

## APPENDIX D

### Geochemical Laboratory Test Results & Hazwaste Assessment



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## **Analytical Report Number : 25-039864**

Replaces Analytical Report Number: 25-039864, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to Sample 628001 as per Clients Request.

<b>Project / Site name:</b>	Hurst Farm, Crawley Down	<b>Samples received on:</b>	29/07/2025
<b>Your job number:</b>	GE23261	<b>Samples instructed on/ Analysis started on:</b>	29/07/2025
<b>Your order number:</b>		<b>Analysis completed by:</b>	11/08/2025
<b>Report Issue Number:</b>	2	<b>Report issued on:</b>	11/08/2025
<b>Samples Analysed:</b>	17 soil samples		

**Signed:**



Charlotte Hall  
Customer Service Advisor  
**For & on behalf of i2 Analytical Ltd.**

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.

Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.

Application of uncertainty of measurement would provide a range within which the true result lies.

An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	627999	628000	628001	628002	628003			
Sample Reference	WS01	WS02	WS02	WS03	WS03			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Water Matrix	N/A	N/A	N/A	N/A	N/A			
Depth (m)	0.10	0.10	1.00	0.20	1.50			
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	25	33	14	11
Total mass of sample received	kg	0.1	NONE	1.1	0.8	0.8	0.8	0.5

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	PDO	OGR	OGR	OGR	-
Analysis completed	N/A	N/A	N/A	04/08/2025	31/07/2025	31/07/2025	31/07/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	0.001	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres	-	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.2	8	7.7	7.9	5.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	650	790	1500	68	-
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	-	-	0.034
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	240	500	27	73
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	58.2	120	249	13.4	36.4
Sulphide	mg/kg	1	MCERTS	1.3	3	25	< 1.0	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	28	30	19	5.8	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	1
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	12	76	< 5.0	-
Total Sulphur	mg/kg	50	MCERTS	-	-	-	-	120
Total Sulphur	%	0.005	MCERTS	-	-	-	-	0.012
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.2	3.9	5.5	< 0.1	-
Water Soluble Nitrate (2:1) as NO <sub>3</sub>	mg/kg	2	NONE	-	-	-	-	< 2.0
Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)	mg/l	5	NONE	-	-	-	-	< 5.0

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
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Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	627999	628000	628001	628002	628003
Sample Reference	WS01	WS02	WS02	WS03	WS03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	1.00	0.20	1.50
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Speciated PAHs

Compound	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.05	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.56	0.94	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.15	0.28	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	0.08	1.7	1.3	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	0.09	1.6	1.1	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.1	0.49	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.4	0.54	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.8	0.57	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.74	0.25	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.5	0.48	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.62	0.21	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.18	0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.67	0.23	< 0.05	-

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	12	6.54	< 0.80	-
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#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.4	8.3	10	2.8	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	37	110	290	11	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.23	0.64	0.6	0.16	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1.6	2.8	3.1	0.3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.4	1.9	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.4	24	21	14	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	39	110	7.9	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	26	120	210	5.5	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	4.7	13	12	2.5	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.1	1.6	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	13	29	22	11	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	48	180	350	7.6	-

Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	< 2.5
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	< 5.0

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	627999	628000	628001	628002	628003
Sample Reference	WS01	WS02	WS02	WS03	WS03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	1.00	0.20	1.50
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH,CU,1D,AL</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH,CU,1D,AL</sub>	mg/kg	2	MCERTS	< 2.0 <sup>##</sup>	< 2.0	< 2.0	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0 <sup>##</sup>	< 8.0	< 8.0	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0 <sup>##</sup>	10	38	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH,CU,1D,AL</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	11	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	10	38	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	10	49	< 10	-

TPHCWG - Aromatic >EC5 - EC7 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 <sub>HS,1D,AR</sub>	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 <sub>EH,CU,1D,AR</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 <sub>EH,CU,1D,AR</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	-
TPHCWG - Aromatic >EC21 - EC35 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	16	34	< 10	-
TPHCWG - Aromatic >EC35 - EC44 <sub>EH,CU,1D,AR</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	22	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	16	34	< 10	-
TPHCWG - Aromatic >EC5 - EC44 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	16	56	< 10	-

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-

#### Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				627999	628000	628001	628002	628003
Sample Reference				WS01	WS02	WS02	WS03	WS03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.10	1.00	0.20	1.50
Date Sampled				24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrifos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-

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 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				627999	628000	628001	628002	628003
Sample Reference				WS01	WS02	WS02	WS03	WS03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.10	1.00	0.20	1.50
Date Sampled				24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628004	628005	628006	628007	628008
Sample Reference	WS04	WS05	WS05	WS06	WS06
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.10	1.00	0.10	2.00
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	19	11	16	12
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.5	0.8	0.5

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	OGR	WEM	-	WEM	-
Analysis completed	N/A	N/A	N/A	31/07/2025	31/07/2025	-	31/07/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	4.9	6.7	6.7	7.5	5.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	550	730	-	250	-
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	0.084	-	0.009
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	82	30	100	46	25
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	40.9	15	51.2	22.8	12.7
Sulphide	mg/kg	1	MCERTS	< 1.0	1	-	< 1.0	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.3	5.4	-	1.6	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	4.5	-	1.9
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	11	-
Total Sulphur	mg/kg	50	MCERTS	-	-	290	-	74
Total Sulphur	%	0.005	MCERTS	-	-	0.029	-	0.007
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	< 0.1	3.4	-	1.2	-
Water Soluble Nitrate (2:1) as NO <sub>3</sub>	mg/kg	2	NONE	-	-	7.8	-	< 2.0
Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	-	< 5.0

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
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Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628004	628005	628006	628007	628008
Sample Reference	WS04	WS05	WS05	WS06	WS06
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.10	1.00	0.10	2.00
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Speciated PAHs

Compound	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.12	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.1	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.05	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.07	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.1	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	< 0.80	-
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#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.6	5.6	-	7.8	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	37	44	-	35	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.65	0.36	-	0.55	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	1.3	-	0.5	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	19	-	18	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	22	-	7	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	13	22	-	20	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	7.7	-	8.3	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	1.2	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	27	20	-	24	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	140	-	43	-

Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	< 2.5	-	< 2.5
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	-	< 5.0

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628004	628005	628006	628007	628008
Sample Reference	WS04	WS05	WS05	WS06	WS06
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.10	1.00	0.10	2.00
Date Sampled	24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH,CU,1D,AL</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH,CU,1D,AL</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH,CU,1D,AL</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	< 10	-	< 10	-

TPHCWG - Aromatic >EC5 - EC7 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 <sub>HS,1D,AR</sub>	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 <sub>EH,CU,1D,AR</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	-	1	-
TPHCWG - Aromatic >EC12 - EC16 <sub>EH,CU,1D,AR</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	-	4.1	-
TPHCWG - Aromatic >EC16 - EC21 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	-	18	-
TPHCWG - Aromatic >EC35 - EC44 <sub>EH,CU,1D,AR</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	< 10	-	23	-
TPHCWG - Aromatic >EC5 - EC44 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	< 10	-	23	-

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-

#### Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	< 10	-	< 10	-
Alachlor	µg/kg	10	NONE	-	< 10	-	< 10	-
Bifenthrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	-	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	< 10	-
Omethoate	µg/kg	10	NONE	-	< 10	-	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	< 10	-	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	< 10	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	< 10	-
Endrin Aldehyde	µg/kg	10	NONE	-	< 10	-	< 10	-
Endrin Ketone	µg/kg	10	NONE	-	< 10	-	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				628004	628005	628006	628007	628008
Sample Reference				WS04	WS05	WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.10	1.00	0.10	2.00
Date Sampled				24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
Cis-Permethrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	< 10	-
Etrifos	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	-	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Propetamphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Tecnazene	µg/kg	10	NONE	-	< 10	-	< 10	-
Triadimefon	µg/kg	10	NONE	-	< 10	-	< 10	-
Trans-Permethrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Aldrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Beta-BHC	µg/kg	10	NONE	-	< 10	-	< 10	-
Cis-Chlordane	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	-	< 10	-
Chlorothalonil	µg/kg	10	NONE	-	< 10	-	< 10	-
Carbophenothion	µg/kg	10	NONE	-	< 10	-	< 10	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Delta-BHC	µg/kg	10	NONE	-	< 10	-	< 10	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Deltamethrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	< 10	-	< 10	-
Endrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenthion	µg/kg	10	NONE	-	< 10	-	< 10	-
Isodrin	µg/kg	10	NONE	-	< 10	-	< 10	-
Methacrifos	µg/kg	10	NONE	-	< 10	-	< 10	-
O,p'-DDD	µg/kg	10	NONE	-	< 10	-	< 10	-
O,p'-DDE	µg/kg	10	NONE	-	< 10	-	< 10	-
O,p'-DDT	µg/kg	10	NONE	-	< 10	-	< 10	-
Parathion	µg/kg	10	NONE	-	< 10	-	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Pendimethalin	µg/kg	10	NONE	-	< 10	-	< 10	-
Phorate	µg/kg	10	NONE	-	< 10	-	< 10	-
Phosalone	µg/kg	10	NONE	-	< 10	-	< 10	-
P,p'-DDD	µg/kg	10	NONE	-	< 10	-	< 10	-
P,p'-DDE	µg/kg	10	NONE	-	< 10	-	< 10	-
P,p'-DDT	µg/kg	10	NONE	-	< 10	-	< 10	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	< 10	-	< 10	-
Propyzamide	µg/kg	10	NONE	-	< 10	-	< 10	-
Triazophos	µg/kg	10	NONE	-	< 10	-	< 10	-
Trans-Chlordane	µg/kg	10	NONE	-	< 10	-	< 10	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	-	< 10	-
Dichlorvos	µg/kg	10	NONE	-	< 10	-	< 10	-

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				628004	628005	628006	628007	628008
Sample Reference				WS04	WS05	WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.10	1.00	0.10	2.00
Date Sampled				24/07/2025	24/07/2025	24/07/2025	24/07/2025	24/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	< 10	-	< 10	-
Diazinon	µg/kg	10	NONE	-	< 10	-	< 10	-
Ethion	µg/kg	10	NONE	-	< 10	-	< 10	-
Fenitrothion	µg/kg	10	NONE	-	< 10	-	< 10	-
Malathion	µg/kg	10	NONE	-	< 10	-	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	-	< 10	-
Trifluralin	µg/kg	10	NONE	-	< 10	-	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	-	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628009	628010	628011	628012	628013
Sample Reference	WS07	WS08	WS09	WS10	WS11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.20	0.10	0.50	0.30	0.10
Date Sampled	24/07/2025	25/07/2025	25/07/2025	25/07/2025	25/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	29.2	< 0.1
Moisture Content	%	0.01	NONE	7.1	21	13	12	17
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.8	0.8

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	WEM	WEM	WEM	WEM	WEM
Analysis completed	N/A	N/A	N/A	31/07/2025	31/07/2025	31/07/2025	31/07/2025	31/07/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	3.546	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	Loose Fibres, Asbestos Cement	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	6.5	5.6	7.4	7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	75	540	980	960	440
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	18	39	74	130	23
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	9.16	19.3	36.8	63.2	11.6
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	4.7	1.1
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.2	7.4	31	9.8	4.3
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	-
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	8.2	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	-	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	< 0.1	3.3	< 0.1	2.6	1.9
Water Soluble Nitrate (2:1) as NO <sub>3</sub>	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)	mg/l	5	NONE	-	-	-	-	-

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628009	628010	628011	628012	628013
Sample Reference	WS07	WS08	WS09	WS10	WS11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.20	0.10	0.50	0.30	0.10
Date Sampled	24/07/2025	25/07/2025	25/07/2025	25/07/2025	25/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Speciated PAHs

Compound	Unit	Limit	Method	628009	628010	628011	628012	628013
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.05	< 0.05	0.73	0.1
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.2	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.13	< 0.05	2.2	0.31
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.09	< 0.05	2.1	0.27
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	1.1	0.16
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.08	< 0.05	1.1	0.19
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.11	< 0.05	1.4	0.26
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.58	0.13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.07	< 0.05	1.3	0.19
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.64	0.1
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.14	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.74	0.11

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	12.3	1.82
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#### Heavy Metals / Metalloids

Compound	Unit	Limit	Method	628009	628010	628011	628012	628013
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.5	6.1	7.7	9.9	7.3
Barium (aqua regia extractable)	mg/kg	1	MCERTS	16	47	120	100	53
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.22	0.36	1.6	0.48	0.45
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.8	0.2	0.7	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.6	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	16	21	16	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.8	15	15	15	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	7.7	51	15	57	51
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.7	6.4	18	8.8	6.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	3.8	1.2	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	16	21	34	25	23
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	16	93	37	100	64

Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628009	628010	628011	628012	628013
Sample Reference	WS07	WS08	WS09	WS10	WS11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.20	0.10	0.50	0.30	0.10
Date Sampled	24/07/2025	25/07/2025	25/07/2025	25/07/2025	25/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH,CU,1D,AL</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH,CU,1D,AL</sub>	mg/kg	2	MCERTS	3.3	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	22	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH,CU,1D,AL</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	12	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	< 10	< 10	22	< 10
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	< 10	< 10	35	< 10

TPHCWG - Aromatic >EC5 - EC7 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 <sub>HS,1D,AR</sub>	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 <sub>EH,CU,1D,AR</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 <sub>EH,CU,1D,AR</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 <sub>EH,CU,1D,AR</sub>	mg/kg	10	MCERTS	< 10	16	< 10	27	15
TPHCWG - Aromatic >EC35 - EC44 <sub>EH,CU,1D,AR</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	11	< 8.4
TPHCWG - Aromatic >EC5 - EC35 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	16	< 10	27	15
TPHCWG - Aromatic >EC5 - EC44 <sub>EH,CU+HS,1D,AR</sub>	mg/kg	10	NONE	< 10	16	< 10	38	15

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

#### Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628009			628010			628011			628012			628013		
Sample Reference	WS07			WS08			WS09			WS10			WS11		
Sample Number	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Water Matrix	N/A			N/A			N/A			N/A			N/A		
Depth (m)	0.20			0.10			0.50			0.30			0.10		
Date Sampled	24/07/2025			25/07/2025			25/07/2025			25/07/2025			25/07/2025		
Time Taken	None Supplied			None Supplied			None Supplied			None Supplied			None Supplied		
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status												
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Etrifos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Propetamphos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Tecnazene	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Triadimefon	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Aldrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Dieldrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Endrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Fenthion	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Isodrin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Methacrifos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Parathion	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Phorate	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Phosalone	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Propyzamide	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Triazophos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-	-	-	-	-	-	-	

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				628009	628010	628011	628012	628013
Sample Reference				WS07	WS08	WS09	WS10	WS11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.10	0.50	0.30	0.10
Date Sampled				24/07/2025	25/07/2025	25/07/2025	25/07/2025	25/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628014	628015			
Sample Reference	WS09	WS12			
Sample Number	None Supplied	None Supplied			
Water Matrix	N/A	N/A			
Depth (m)	1.00	0.50			
Date Sampled	25/07/2025	25/07/2025			
Time Taken	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	16
Total mass of sample received	kg	0.1	NONE	0.8	0.8

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	WEM
Analysis completed	N/A	N/A	N/A	-	31/07/2025
Actinolite detected	Type	N/A	ISO 17025	-	-
Amosite detected	Type	N/A	ISO 17025	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	5.5	7.2
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	-	100
Total Sulphate as SO <sub>4</sub>	%	0.005	MCERTS	0.019	-
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	38	49
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	18.7	24.4
Sulphide	mg/kg	1	MCERTS	-	2.5
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	-	1.8
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	4.2	-
Elemental Sulphur	mg/kg	5	MCERTS	-	< 5.0
Total Sulphur	mg/kg	50	MCERTS	110	-
Total Sulphur	%	0.005	MCERTS	0.011	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	0.1
Water Soluble Nitrate (2:1) as NO <sub>3</sub>	mg/kg	2	NONE	16	-
Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)	mg/l	5	NONE	7.8	-

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0
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Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

<b>Lab Sample Number</b>	628014	628015
<b>Sample Reference</b>	WS09	WS12
<b>Sample Number</b>	None Supplied	None Supplied
<b>Water Matrix</b>	N/A	N/A
<b>Depth (m)</b>	1.00	0.50
<b>Date Sampled</b>	25/07/2025	25/07/2025
<b>Time Taken</b>	None Supplied	None Supplied
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>
		<b>Test Accreditation Status</b>

#### Speciated PAHs

Compound	Units	Test Limit of detection	Test Accreditation Status	628014	628015
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	< 0.80
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#### Heavy Metals / Metalloids

Compound	Units	Test Limit of detection	Test Accreditation Status	628014	628015
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	4.5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	26
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.32
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	9.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	7.9
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	5.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	19
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	19

Magnesium (leachate equivalent)	mg/l	2.5	NONE	< 2.5	-
Magnesium (water soluble)	mg/kg	5	NONE	< 5.0	-

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	628014	628015			
Sample Reference	WS09	WS12			
Sample Number	None Supplied	None Supplied			
Water Matrix	N/A	N/A			
Depth (m)	1.00	0.50			
Date Sampled	25/07/2025	25/07/2025			
Time Taken	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_ID_AL</sub>	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_ID_AL</sub>	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_ID_AL</sub>	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_ID_AL</sub>	mg/kg	1	MCERTS	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_ID_AL</sub>	mg/kg	2	MCERTS	-	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_ID_AL</sub>	mg/kg	8	MCERTS	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_ID_AL</sub>	mg/kg	8	MCERTS	-	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH_CU_ID_AL</sub>	mg/kg	8.4	NONE	-	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_ID_AL</sub>	mg/kg	10	NONE	-	< 10
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH_CU+HS_ID_AL</sub>	mg/kg	10	NONE	-	< 10

TPHCWG - Aromatic >EC5 - EC7 <sub>HS_ID_AR</sub>	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 <sub>HS_ID_AR</sub>	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 <sub>HS_ID_AR</sub>	mg/kg	0.02	MCERTS	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_ID_AR</sub>	mg/kg	1	MCERTS	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_ID_AR</sub>	mg/kg	2	MCERTS	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_ID_AR</sub>	mg/kg	10	MCERTS	-	< 10
TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_ID_AR</sub>	mg/kg	10	MCERTS	-	< 10
TPHCWG - Aromatic >EC35 - EC44 <sub>EH_CU_ID_AR</sub>	mg/kg	8.4	NONE	-	< 8.4
TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_ID_AR</sub>	mg/kg	10	NONE	-	< 10
TPHCWG - Aromatic >EC5 - EC44 <sub>EH_CU+HS_ID_AR</sub>	mg/kg	10	NONE	-	< 10

#### VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0
Benzene	µg/kg	5	MCERTS	-	< 5.0
Toluene	µg/kg	5	MCERTS	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0
o-Xylene	µg/kg	5	MCERTS	-	< 5.0

#### Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-
Alachlor	µg/kg	10	NONE	-	-
Bifenthrin	µg/kg	10	NONE	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-
Omethoate	µg/kg	10	NONE	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-
Demeton-O	µg/kg	10	NONE	-	-
Demeton-S	µg/kg	10	NONE	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-
Endrin Ketone	µg/kg	10	NONE	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-

Analytical Report Number: 25-039864  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				628014	628015
Sample Reference				WS09	WS12
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1.00	0.50
Date Sampled				25/07/2025	25/07/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-
Etrifos	µg/kg	10	NONE	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-
Propetamphos	µg/kg	10	NONE	-	-
Tecnazene	µg/kg	10	NONE	-	-
Triadimefon	µg/kg	10	NONE	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-
Aldrin	µg/kg	10	NONE	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-
Beta-BHC	µg/kg	10	NONE	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-
Chlorothalonil	µg/kg	10	NONE	-	-
Carbophenothion	µg/kg	10	NONE	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-
Delta-BHC	µg/kg	10	NONE	-	-
Dieldrin	µg/kg	10	NONE	-	-
Deltamethrin	µg/kg	10	NONE	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-
Endrin	µg/kg	10	NONE	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-
Fenthion	µg/kg	10	NONE	-	-
Isodrin	µg/kg	10	NONE	-	-
Methacrifos	µg/kg	10	NONE	-	-
O,p'-DDD	µg/kg	10	NONE	-	-
O,p'-DDE	µg/kg	10	NONE	-	-
O,p'-DDT	µg/kg	10	NONE	-	-
Parathion	µg/kg	10	NONE	-	-
Parathion-methyl	µg/kg	10	NONE	-	-
Pendimethalin	µg/kg	10	NONE	-	-
Phorate	µg/kg	10	NONE	-	-
Phosalone	µg/kg	10	NONE	-	-
P,p'-DDD	µg/kg	10	NONE	-	-
P,p'-DDE	µg/kg	10	NONE	-	-
P,p'-DDT	µg/kg	10	NONE	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-
Propyzamide	µg/kg	10	NONE	-	-
Triazophos	µg/kg	10	NONE	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-
Dichlorvos	µg/kg	10	NONE	-	-

Analytical Report Number: 25-039864  
 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				628014	628015
Sample Reference				WS09	WS12
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1.00	0.50
Date Sampled				25/07/2025	25/07/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Dimethoate	µg/kg	10	NONE	-	-
Diazinon	µg/kg	10	NONE	-	-
Ethion	µg/kg	10	NONE	-	-
Fenitrothion	µg/kg	10	NONE	-	-
Malathion	µg/kg	10	NONE	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-
Trifluralin	µg/kg	10	NONE	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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**Analytical Report Number:** 25-039864  
**Project / Site name:** Hurst Farm, Crawley Down  
**Your Order No:**

## Certificate of Analysis - Asbestos Quantification

**Methods:**

**Qualitative Analysis**

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

**Quantitative Analysis**

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
628001	WS02	1.00-	157	Loose Fibres	<b>Chrysotile</b>	0.001	<b>0.001</b>	11/08/2025	PDO
628012	WS10	0.30-	129	Loose Fibres, Asbestos Cement	<b>Chrysotile</b>	3.546	<b>3.546</b>	31/07/2025	WEM

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

**Analytical Report Number : 25-039864**

**Project / Site name: Hurst Farm, Crawley Down**

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
627999	WS01	None Supplied	0.1	Brown loam and sand with gravel and vegetation
628000	WS02	None Supplied	0.1	Brown clay and loam with gravel and vegetation
628001	WS02	None Supplied	1	Brown clay and loam with gravel and vegetation
628002	WS03	None Supplied	0.2	Brown sandy loam
628003	WS03	None Supplied	1.5	Brown sandy loam
628004	WS04	None Supplied	0.5	Brown sandy loam
628005	WS05	None Supplied	0.1	Brown loam with vegetation
628006	WS05	None Supplied	1	Brown loam and clay with gravel
628007	WS06	None Supplied	0.1	Brown loam and clay with gravel and vegetation
628008	WS06	None Supplied	2	Brown loam
628009	WS07	None Supplied	0.2	Brown loam
628010	WS08	None Supplied	0.1	Brown loam with gravel and vegetation
628011	WS09	None Supplied	0.5	Brown loam with gravel
628012	WS10	None Supplied	0.3	Brown loam with vegetation and stones
628013	WS11	None Supplied	0.1	Brown loam with vegetation
628014	WS09	None Supplied	1	Brown loam and clay
628015	WS12	None Supplied	0.5	Brown sandy clay

Analytical Report Number : 25-039864

Project / Site name: Hurst Farm, Crawley Down

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO <sub>4</sub> in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

Analytical Report Number : 25-039864

Project / Site name: Hurst Farm, Crawley Down

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

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

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

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

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

##- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

**Analytical Report Number : 25-039864**  
**Project / Site name: Hurst Farm, Crawley Down**

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS01	N/A	S	627999	b	Asbestos identification in Soil	A001B	b
WS02	N/A	S	628000	b	Asbestos identification in Soil	A001B	b
WS02	N/A	S	628001	b	Asbestos Quantification - Gravimetric	A006B	b
WS02	N/A	S	628001	b	Asbestos identification in Soil	A001B	b
WS03	N/A	S	628002	b	Asbestos identification in Soil	A001B	b
WS04	N/A	S	628004	b	Asbestos identification in Soil	A001B	b
WS05	N/A	S	628005	b	Asbestos identification in Soil	A001B	b
WS06	N/A	S	628007	b	Asbestos identification in Soil	A001B	b
WS07	N/A	S	628009	b	Asbestos identification in Soil	A001B	b
WS08	N/A	S	628010	b	Asbestos identification in Soil	A001B	b
WS09	N/A	S	628011	b	Asbestos identification in Soil	A001B	b
WS10	N/A	S	628012	b	Asbestos Quantification - Gravimetric	A006B	b
WS10	N/A	S	628012	b	Asbestos identification in Soil	A001B	b
WS11	N/A	S	628013	b	Asbestos identification in Soil	A001B	b
WS12	N/A	S	628015	b	Asbestos identification in Soil	A001B	b



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## **Analytical Report Number : 25-040394**

Replaces Analytical Report Number: 25-040394, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to Samples 631092 & 631093 as per Clients Request.

<b>Project / Site name:</b>	Hurst Farm, Crawley Down	<b>Samples received on:</b>	31/07/2025
<b>Your job number:</b>	GE23261	<b>Samples instructed on/ Analysis started on:</b>	31/07/2025
<b>Your order number:</b>		<b>Analysis completed by:</b>	11/08/2025
<b>Report Issue Number:</b>	2	<b>Report issued on:</b>	11/08/2025
<b>Samples Analysed:</b>	10 soil samples		

**Signed:**

Charlotte Hall  
Customer Service Advisor  
**For & on behalf of i2 Analytical Ltd.**

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.

Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.

Application of uncertainty of measurement would provide a range within which the true result lies.

An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-040394  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	631086	631087	631088	631089	631090
Sample Reference	TP01	TP02	TP02	TP02	TP03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.50	1.00	1.70	0.10
Date Sampled	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	30.2	< 0.1	< 0.1	35.2
Moisture Content	%	0.01	NONE	15	11	21	21	6.6
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.8	0.8

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KMC	KMC	KMC	KMC	KMC
Analysis completed	N/A	N/A	N/A	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.6	7.6	7.6	7.7	7.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	360	260	680	580	720
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	30	25	670	370	21
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	14.8	12.6	337	184	10.3
Sulphide	mg/kg	1	MCERTS	< 1.0	2.7	17	12	9.4
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.3	< 1.0	31	26	7
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	830	340	15
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.1	0.9	3.3	2.6	5.5

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Analytical Report Number: 25-040394  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	631086	631087	631088	631089	631090
Sample Reference	TP01	TP02	TP02	TP02	TP03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.50	1.00	1.70	0.10
Date Sampled	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Speciated PAHs

Compound	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.06
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.5	0.09	< 0.05	0.29
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.08	< 0.05	< 0.05	0.16
Fluoranthene	mg/kg	0.05	MCERTS	0.07	0.92	0.2	< 0.05	0.83
Pyrene	mg/kg	0.05	MCERTS	0.06	0.8	0.17	< 0.05	0.81
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.38	0.07	< 0.05	0.4
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.48	0.14	< 0.05	0.52
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.49	0.2	< 0.05	0.74
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.21	0.06	< 0.05	0.36
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.48	0.09	< 0.05	0.62
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.26	0.07	< 0.05	0.37
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.13
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.29	0.07	< 0.05	0.52

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	4.88	1.17	< 0.80	5.83

#### Heavy Metals / Metalloids

Element	mg/kg	1	MCERTS	5.8	9.9	6.8	6.3	12
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.8	9.9	6.8	6.3	12
Barium (aqua regia extractable)	mg/kg	1	MCERTS	38	99	26	39	98
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.4	1.3	0.29	0.36	0.55
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	1.2	2.6	1.3	1.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	36	17	18	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.3	30	8.3	13	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	33	47	24	44
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	6.2	31	5.6	6	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.8	< 1.0	2.3	2	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	22	45	23	23	31
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37	110	30	57	100

#### Petroleum Hydrocarbons

Compound	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC5 - EC6 <sub>HS, ID, AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS, ID, AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS, ID, AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH, CU, ID, AL</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH, CU, ID, AL</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH, CU, ID, AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	12
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH, CU, ID, AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	8.2	140
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH, CU, ID, AL</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	170
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH, CU+HS, ID, AL</sub>	mg/kg	10	NONE	< 10	< 10	< 10	< 10	150
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH, CU+HS, ID, AL</sub>	mg/kg	10	NONE	< 10	< 10	< 10	< 10	320

TPHCWG - Aromatic >EC5 - EC7 <sub>HS, ID, AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Analytical Report Number: 25-040394  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	631086	631087	631088	631089	631090			
Sample Reference	TP01	TP02	TP02	TP02	TP03			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Water Matrix	N/A	N/A	N/A	N/A	N/A			
Depth (m)	0.50	0.50	1.00	1.70	0.10			
Date Sampled	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC7 - EC8 <sub>HS,ID,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 <sub>HS,ID,AR</sub>	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 <sub>EH,CU,ID,AR</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 <sub>EH,CU,ID,AR</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	5.9
TPHCWG - Aromatic >EC16 - EC21 <sub>EH,CU,ID,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	17
TPHCWG - Aromatic >EC21 - EC35 <sub>EH,CU,ID,AR</sub>	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	260
TPHCWG - Aromatic >EC35 - EC44 <sub>EH,CU,ID,AR</sub>	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	570
TPHCWG - Aromatic >EC5 - EC35 <sub>EH,CU+HS,ID,AR</sub>	mg/kg	10	NONE	< 10	< 10	< 10	< 10	280
TPHCWG - Aromatic >EC5 - EC44 <sub>EH,CU+HS,ID,AR</sub>	mg/kg	10	NONE	< 10	< 10	< 10	< 10	850

#### VOCs

Compound	Units	Test Limit of detection	Test Accreditation Status	631086	631087	631088	631089	631090
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

#### Pesticides (GC-MS)

Compound	Units	Test Limit of detection	Test Accreditation Status	631086	631087	631088	631089	631090
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-

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 Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number				631086	631087	631088	631089	631090
Sample Reference				TP01	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.50	1.00	1.70	0.10
Date Sampled				28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-040394  
Project / Site name: Hurst Farm, Crawley Down

<b>Lab Sample Number</b>	631091	631092	631093	631094	631095
<b>Sample Reference</b>	TP04	TP101	TP102	TP103	TP104
<b>Sample Number</b>	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
<b>Water Matrix</b>	N/A	N/A	N/A	N/A	N/A
<b>Depth (m)</b>	0.10	0.20	0.20	0.20	0.20
<b>Date Sampled</b>	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
<b>Time Taken</b>	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
<b>Analytical Parameter (Soil Analysis)</b>	<b>Units</b>	<b>Test Limit of detection</b>	<b>Test Accreditation Status</b>		

Stone Content	%	0.1	NONE	< 0.1	25.2	13.6	6.4	< 0.1
Moisture Content	%	0.01	NONE	16	4.8	8	11	4.9
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.8	0.8

#### Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Detected	Detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KJK	KJK	KJK	KJK	KJK
Analysis completed	N/A	N/A	N/A	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
Actinolite detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	Detected	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	< 0.001	< 0.001	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Loose Fibres	Loose Fibres	-	-
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#### General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	10.6	8.1	7.7	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO <sub>4</sub>	mg/kg	50	MCERTS	540	1200	1300	690	610
Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)	mg/kg	2.5	MCERTS	15	190	60	68	20
Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	7.53	92.6	30.1	33.8	10.2
Sulphide	mg/kg	1	MCERTS	< 1.0	11	28	3.1	17
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	6.6	20	6.5	9.4	2.6
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	16	9.2	< 5.0	< 5.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3	3.5	3.7	3.7	4.2

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Analytical Report Number: 25-040394  
Project / Site name: Hurst Farm, Crawley Down

Lab Sample Number	631091	631092	631093	631094	631095
Sample Reference	TP04	TP101	TP102	TP103	TP104
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.20	0.20	0.20	0.20
Date Sampled	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

#### Speciated PAHs

Compound	mg/kg	0.05	MCERTS	< 0.05	1.1	0.15	< 0.05	0.06
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	1.1	0.15	< 0.05	0.06
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.48	0.06	0.18	0.21
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	1.3	< 0.05	0.29	0.07
Fluorene	mg/kg	0.05	MCERTS	< 0.05	2.3	< 0.05	0.25	0.08
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	14	0.28	2.2	1.3
Anthracene	mg/kg	0.05	MCERTS	< 0.05	4.3	0.13	0.72	0.47
Fluoranthene	mg/kg	0.05	MCERTS	0.09	16	0.67	7.4	4.7
Pyrene	mg/kg	0.05	MCERTS	0.08	13	1.1	7	4.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	8.3	0.35	4.5	2.4
Chrysene	mg/kg	0.05	MCERTS	< 0.05	7.5	0.5	4.3	2.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.07	10	1.1	5.9	3.9
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	3.6	0.33	2.7	1.7
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	8.6	1.1	5.6	3.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	3.6	0.55	2.6	2
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	1	0.14	0.55	0.5
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	4.1	0.66	3	2.4

#### Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	98.9	7.03	47.1	30.5

#### Heavy Metals / Metalloids

Element	mg/kg	1	MCERTS	5.4	11	41	9.7	8.1
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.4	11	41	9.7	8.1
Barium (aqua regia extractable)	mg/kg	1	MCERTS	26	120	210	100	130
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.25	0.76	0.62	0.54	0.52
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	1.2	7.6	2.7	2.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	0.8	0.4	0.9
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	23	47	21	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	60	140	34	66
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	76	170	93	88
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	6.4	20	14	15	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	2	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	20	37	27	40	21
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	60	170	610	140	250

#### Petroleum Hydrocarbons

Compound	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC5 - EC6 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 <sub>HS,1D,AL</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 <sub>EH,CU,1D,AL</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 <sub>EH,CU,1D,AL</sub>	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 <sub>EH,CU,1D,AL</sub>	mg/kg	8	MCERTS	< 8.0	32	< 8.0	< 8.0	47
TPHCWG - Aliphatic >EC35 - EC44 <sub>EH,CU,1D,AL</sub>	mg/kg	8.4	NONE	< 8.4	66	< 8.4	< 8.4	34
TPHCWG - Aliphatic >EC5 - EC35 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	32	< 10	< 10	47
TPHCWG - Aliphatic >EC5 - EC44 <sub>EH,CU+HS,1D,AL</sub>	mg/kg	10	NONE	< 10	98	< 10	< 10	81

TPHCWG - Aromatic >EC5 - EC7 <sub>HS,1D,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

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Lab Sample Number	631091	631092	631093	631094	631095			
Sample Reference	TP04	TP101	TP102	TP103	TP104			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Water Matrix	N/A	N/A	N/A	N/A	N/A			
Depth (m)	0.10	0.20	0.20	0.20	0.20			
Date Sampled	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC7 - EC8 <sub>HS,ID,AR</sub>	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 <sub>HS,ID,AR</sub>	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 <sub>EH,CU,ID,AR</sub>	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 <sub>EH,CU,ID,AR</sub>	mg/kg	2	MCERTS	< 2.0	3.9	< 2.0	2.9	4.7
TPHCWG - Aromatic >EC16 - EC21 <sub>EH,CU,ID,AR</sub>	mg/kg	10	MCERTS	< 10	32	< 10	18	17
TPHCWG - Aromatic >EC21 - EC35 <sub>EH,CU,ID,AR</sub>	mg/kg	10	MCERTS	< 10	150	16	54	91
TPHCWG - Aromatic >EC35 - EC44 <sub>EH,CU,ID,AR</sub>	mg/kg	8.4	NONE	< 8.4	250	24	51	130
TPHCWG - Aromatic >EC5 - EC35 <sub>EH,CU+HS,ID,AR</sub>	mg/kg	10	NONE	< 10	180	16	75	110
TPHCWG - Aromatic >EC5 - EC44 <sub>EH,CU+HS,ID,AR</sub>	mg/kg	10	NONE	< 10	430	40	130	250

#### VOCs

Compound	Units	Test Limit of detection	Test Accreditation Status	631091	631092	631093	631094	631095
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

#### Pesticides (GC-MS)

Compound	Units	Test Limit of detection	Test Accreditation Status	631091	631092	631093	631094	631095
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	-	-	-	-
Alachlor	µg/kg	10	NONE	< 10	-	-	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	-
Omethoate	µg/kg	10	NONE	< 10	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	-
Etrimfos	µg/kg	10	NONE	< 10	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	-
Triadimefon	µg/kg	10	NONE	< 10	-	-	-	-

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Lab Sample Number	631091				631092				631093				631094				631095			
Sample Reference	TP04				TP101				TP102				TP103				TP104			
Sample Number	None Supplied				None Supplied				None Supplied				None Supplied				None Supplied			
Water Matrix	N/A				N/A				N/A				N/A				N/A			
Depth (m)	0.10				0.20				0.20				0.20				0.20			
Date Sampled	28/07/2025				28/07/2025				28/07/2025				28/07/2025				28/07/2025			
Time Taken	None Supplied				None Supplied				None Supplied				None Supplied				None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status																	
Trans-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Aldrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Beta-BHC	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cis-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chlorothalonil	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Delta-BHC	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Endrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fenthion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Isodrin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
O,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
O,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
O,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Parathion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phorate	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phosalone	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P,p'-DDE	µg/kg	10	NONE	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Triazophos	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Trans-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Diazinon	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ethion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malathion	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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**Project / Site name:** Hurst Farm, Crawley Down  
**Your Order No:**

## Certificate of Analysis - Asbestos Quantification

**Methods:**

**Qualitative Analysis**

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

**Quantitative Analysis**

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
631092	TP101	0.20-	160	Loose Fibres	<b>Chrysotile</b>	< 0.001	< <b>0.001</b>	11/08/2025	KJK
631093	TP102	0.20-	155	Loose Fibres	<b>Chrysotile</b>	< 0.001	< <b>0.001</b>	11/08/2025	KJK

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

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
631086	TP01	None Supplied	0.5	Brown loam and clay with gravel and vegetation
631087	TP02	None Supplied	0.5	Brown clay and loam with vegetation and stones
631088	TP02	None Supplied	1	Brown loam and clay with gravel and vegetation
631089	TP02	None Supplied	1.7	Brown loam and clay with gravel and vegetation
631090	TP03	None Supplied	0.1	Brown loam and sand with vegetation and stones
631091	TP04	None Supplied	0.1	Brown loam and sand with gravel and vegetation
631092	TP101	None Supplied	0.2	Brown sandy loam with vegetation and stones
631093	TP102	None Supplied	0.2	Brown sandy loam with vegetation and stones
631094	TP103	None Supplied	0.2	Brown sandy loam with vegetation and stones
631095	TP104	None Supplied	0.2	Brown sandy loam with gravel and vegetation

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO <sub>4</sub> in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

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

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

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

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

**Analytical Report Number : 25-040394**  
**Project / Site name: Hurst Farm, Crawley Down**

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP01	N/A	S	631086	b	Asbestos identification in Soil	A001B	b
TP02	N/A	S	631087	b	Asbestos identification in Soil	A001B	b
TP02	N/A	S	631088	b	Asbestos identification in Soil	A001B	b
TP02	N/A	S	631089	b	Asbestos identification in Soil	A001B	b
TP03	N/A	S	631090	b	Asbestos identification in Soil	A001B	b
TP04	N/A	S	631091	b	Asbestos identification in Soil	A001B	b
TP101	N/A	S	631092	b	Asbestos Quantification - Gravimetric	A006B	b
TP101	N/A	S	631092	b	Asbestos identification in Soil	A001B	b
TP102	N/A	S	631093	b	Asbestos Quantification - Gravimetric	A006B	b
TP102	N/A	S	631093	b	Asbestos identification in Soil	A001B	b
TP103	N/A	S	631094	b	Asbestos identification in Soil	A001B	b
TP104	N/A	S	631095	b	Asbestos identification in Soil	A001B	b

Analyte	Units	EQL	TP01	TP02	TP02	TP02	TP03	TP04	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS05	WS06	WS06
Depth			0.5m	0.5m	1m	1.7m	0.1m	0.1m	0.1m	0.1m	1m	0.2m	1.5m	0.5m	0.1m	1m	0.1m	2m
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025
Arsenic	mg/kg	1	5.8	9.9	6.8	6.3	12	5.4	3.4	8.3	10	2.8	-	5.6	5.6	-	7.8	-
Benzo(a) pyrene	mg/kg	0.05	< 0.05	0.48	0.09	< 0.05	0.62	< 0.05	< 0.05	1.5	0.48	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Naphthalene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Asbestos by hand picking/weighing <sup>2</sup>	%	0.001	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	-
Benzene	µg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5	< 5	-	< 5	-
Ethylbenzene	µg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5	< 5	-	< 5	-
MTBE	µg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5	< 5	-	< 5	-
Xylene (o)	µg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5	< 5	-	< 5	-
Toluene	µg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5	< 5	-	< 5	-
TPH - Aliphatic >C5 - C6	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	-	< 0.01	-
TPH - Aliphatic >C6 - C8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	-	< 0.01	-
TPH - Aliphatic >C8 - C10	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	-	< 0.01	-
TPH - Aromatic >EC5 - EC7	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	-	< 0.01	-
TPH - Aromatic >EC7 - EC8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	-	< 0.01	-
TPH - Aromatic >EC8 - EC10	mg/kg	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	< 0.02	-	< 0.02	-
Chromium (hexavalent)	mg/kg	1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	-	< 1.8	< 1.8	-	< 1.8	-
Copper	mg/kg	1	9.3	30	8.3	13	42	12	12	39	110	7.9	-	16	22	-	7	-
Mercury	mg/kg	0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	< 0.3	< 0.3	-	< 0.3	-
Nickel	mg/kg	1	6.2	31	5.6	6	16	6.4	4.7	13	12	2.5	-	11	7.7	-	8.3	-
Lead	mg/kg	1	32	33	47	24	44	31	26	120	210	5.5	-	13	22	-	20	-
Selenium	mg/kg	1	1.8	< 1	2.3	2	< 1	2	< 1	1.1	1.6	< 1	-	< 1	< 1	-	1.2	-
Vanadium	mg/kg	1	22	45	23	23	31	20	13	29	22	11	-	27	20	-	24	-
Zinc	mg/kg	1	37	110	30	57	100	60	48	180	350	7.6	-	33	140	-	43	-
Barium	mg/kg	1	38	99	26	39	98	26	37	110	290	11	-	37	44	-	35	-
Beryllium	mg/kg	0.06	0.4	1.3	0.29	0.36	0.55	0.25	0.23	0.64	0.6	0.16	-	0.65	0.36	-	0.55	-
Cadmium	mg/kg	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4	1.9	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-
TPH - Aliphatic >C10 - C12	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
TPH - Aliphatic >C12 - C16	mg/kg	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	-	< 2	< 2	-	< 2	-
TPH - Aromatic >EC10 - EC12	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	< 1	< 1	-	1	-
TPH - Aromatic >EC12 - EC16	mg/kg	2	< 2	< 2	< 2	< 2	5.9	< 2	< 2	< 2	< 2	< 2	-	< 2	< 2	-	4.1	-
TPH - Aromatic >EC16 - EC21	mg/kg	10	< 10	< 10	< 10	< 10	17	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	-	< 10	-
TPH - Aromatic >EC21 - EC35	mg/kg	10	< 10	< 10	< 10	< 10	260	< 10	< 10	16	34	< 10	-	< 10	< 10	-	18	-
Acenaphthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Anthracene	mg/kg	0.05	< 0.05	0.08	< 0.05	< 0.05	0.16	< 0.05	< 0.05	0.15	0.28	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	0.07	0.92	0.2	< 0.05	0.83	0.09	0.08	1.7	1.3	< 0.05	-	< 0.05	0.12	-	< 0.05	-

Analyte	Units	EQL	TP01	TP02	TP02	TP02	TP03	TP04	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS05	WS06	WS06
Depth			0.5m	0.5m	1m	1.7m	0.1m	0.1m	0.1m	0.1m	1m	0.2m	1.5m	0.5m	0.1m	1m	0.1m	2m
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025
Fluorene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Pyrene	mg/kg	0.05	0.06	0.8	0.17	< 0.05	0.81	0.08	0.09	1.6	1.1	< 0.05	-	< 0.05	0.1	-	< 0.05	-
Permethrin (trans)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Trifluralin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Total mass of sample received	kg	0.1	0.8	0.8	0.8	0.8	0.8	0.8	1.1	0.8	0.8	0.8	0.5	0.8	0.8	0.5	0.8	0.5
% Moisture	%	0.01	15	11	21	21	6.6	16	20	25	33	14	11	11	19	11	16	12
Stone	%	0.1	< 0.1	30.2	< 0.1	< 0.1	35.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	µg/kg	8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	-	< 8	< 8	-	< 8	-
Total Phenols (monohydric)	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
Total Cyanide	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
pH (Lab)	-		7.6	7.6	7.6	7.7	7.2	7.4	7.2	8	7.7	7.9	5.4	4.9	6.7	6.7	7.5	5.3
Boron	mg/kg	0.2	0.3	1.2	2.6	1.3	1.8	0.7	1.6	2.8	3.1	0.3	-	0.3	1.3	-	0.5	-
Total Sulphate as SO4	mg/kg	50	360	260	680	580	720	540	650	790	1,500	68	-	550	730	-	250	-
Total Organic Carbon	%	0.1	2.1	0.9	3.3	2.6	5.5	3	3.2	3.9	5.5	< 0.1	-	< 0.1	3.4	-	1.2	-
Chromium (III+VI)	mg/kg	1	16	36	17	18	18	17	9.4	24	21	14	-	31	19	-	18	-
Chloride (Water Soluble) (2:1)	mg/kg	1	1.3	< 1	31	26	7	6.6	28	30	19	5.8	-	1.3	5.4	-	1.6	-
Sulphide	mg/kg	1	< 1	2.7	17	12	9.4	< 1	1.3	3	25	< 1	-	< 1	1	-	< 1	-
TPH - Aliphatic >C16 - C21	mg/kg	8	< 8	< 8	< 8	< 8	12	< 8	< 8	< 8	< 8	< 8	-	< 8	< 8	-	< 8	-
TPH - Aliphatic >C21 - C35	mg/kg	8	< 8	< 8	< 8	8.2	140	< 8	< 8	10	38	< 8	-	< 8	< 8	-	< 8	-
TPH - Aliphatic >C35 - C44	mg/kg	8.4	< 8.4	< 8.4	< 8.4	< 8.4	170	< 8.4	< 8.4	< 8.4	11	< 8.4	-	< 8.4	< 8.4	-	< 8.4	-
TPH - Aromatic >EC35 - EC44	mg/kg	8.4	< 8.4	< 8.4	< 8.4	< 8.4	570	< 8.4	< 8.4	< 8.4	22	< 8.4	-	< 8.4	< 8.4	-	< 8.4	-
TPH - Aliphatic >C5 - C44	mg/kg	10	< 10	< 10	< 10	< 10	320	< 10	< 10	10	49	< 10	-	< 10	< 10	-	< 10	-
TPH - Aromatic >EC5 - EC44	mg/kg	10	< 10	< 10	< 10	< 10	850	< 10	< 10	16	56	< 10	-	< 10	< 10	-	23	-
TPH - Aromatic >EC5 - EC35	mg/kg	10	< 10	< 10	< 10	< 10	280	< 10	< 10	16	34	< 10	-	< 10	< 10	-	23	-
TPH - Aliphatic >C5 - C35	mg/kg	10	< 10	< 10	< 10	< 10	150	< 10	< 10	10	38	< 10	-	< 10	< 10	-	< 10	-
Sulphate (water soluble)	mg/kg	2.5	30	25	670	370	21	15	120	240	500	27	73	82	30	100	46	25
Water Soluble Sulphate as SO4 (2:1) leachate equivalent	mg/L	1.25	14.8	12.6	337	184	10.3	7.53	58.2	120	249	13.4	36.4	40.9	15	51.2	22.8	12.7
Sulphur	mg/kg	5	< 5	< 5	830	340	15	< 5	< 5	12	76	< 5	-	< 5	< 5	-	11	-
Acenaphthylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	< 0.05	0.38	0.07	< 0.05	0.4	< 0.05	< 0.05	1.1	0.49	< 0.05	-	< 0.05	0.05	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	< 0.05	0.49	0.2	< 0.05	0.74	0.07	< 0.05	1.8	0.57	< 0.05	-	< 0.05	0.1	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	< 0.05	0.21	0.06	< 0.05	0.36	< 0.05	< 0.05	0.74	0.25	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Benzo(g,h,i)perylene	mg/kg	0.05	< 0.05	0.29	0.07	< 0.05	0.52	< 0.05	< 0.05	0.67	0.23	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Chrysene	mg/kg	0.05	< 0.05	0.48	0.14	< 0.05	0.52	< 0.05	< 0.05	1.4	0.54	< 0.05	-	< 0.05	0.07	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.13	< 0.05	< 0.05	0.18	0.05	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-

Analyte	Units	EQL	TP01	TP02	TP02	TP02	TP03	TP04	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS05	WS06	WS06
Depth			0.5m	0.5m	1m	1.7m	0.1m	0.1m	0.1m	0.1m	1m	0.2m	1.5m	0.5m	0.1m	1m	0.1m	2m
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025
Indeno(1,2,3-c,d)pyrene	mg/kg	0.05	< 0.05	0.26	0.07	< 0.05	0.37	< 0.05	< 0.05	0.62	0.21	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	< 0.05	0.5	0.09	< 0.05	0.29	< 0.05	< 0.05	0.56	0.94	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-
Speciated Total EPA-16 PAHs	mg/kg	0.8	< 0.8	4.88	1.17	< 0.8	5.83	< 0.8	< 0.8	12	6.54	< 0.8	-	< 0.8	< 0.8	-	< 0.8	-
Nitrate (as NO3-)	mg/kg	2	-	-	-	-	-	-	-	-	-	-	< 2	-	-	7.8	-	< 2
Water Soluble Nitrate (2:1) as NO3 (leachate equivalent)	mg/L	5	-	-	-	-	-	-	-	-	-	-	< 5	-	-	< 5	-	< 5
Water Soluble Chloride (2:1) (leachate equivalent)	mg/L	0.5	-	-	-	-	-	-	-	-	-	-	1	-	-	4.5	-	1.9
Total Sulphate as SO4	%	0.005	-	-	-	-	-	-	-	-	-	-	0.034	-	-	0.084	-	0.009
Sulphur as S	mg/kg	50	-	-	-	-	-	-	-	-	-	-	120	-	-	290	-	74
Sulphur as S	%	0.005	-	-	-	-	-	-	-	-	-	-	0.012	-	-	0.029	-	0.007
Magnesium	mg/L	2.5	-	-	-	-	-	-	-	-	-	-	< 2.5	-	-	< 2.5	-	< 2.5
Magnesium (water soluble)	mg/kg	5	-	-	-	-	-	-	-	-	-	-	< 5	-	-	< 5	-	< 5
a-BHC	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Alachlor	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Aldrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Azinphos-ethyl	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Azinphos-methyl	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
b-BHC	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Bifenthrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
1,2,3-trichlorobenzene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Chlordane (cis)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Chlorfenvinphos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Chlorpyrifos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Chlorothalonil	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
cis-Permethrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Carbophenothion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Baythroid	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Cypermethrin (Sum)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
d-BHC	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Dichlorvos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Dieldrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Dimethoate	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Dimethylvinphos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-

Analyte	Units	EQL	TP01	TP02	TP02	TP02	TP03	TP04	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS05	WS06	WS06
Depth			0.5m	0.5m	1m	1.7m	0.1m	0.1m	0.1m	0.1m	1m	0.2m	1.5m	0.5m	0.1m	1m	0.1m	2m
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025
Deltamethrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Demeton-O	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Demeton-S	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Diazinon	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endrin Aldehyde	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endrin Ketone	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Endosulfan sulphate	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Ethion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Etrimphos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Fenvalerate	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Fenthion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Fenitrothion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
γ-BHC (Lindane)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Hexachlorobutadiene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Hexachlorobenzene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Isodrin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Malathion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Methacriphos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Mevinphos (Phosdrin)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Omethoate	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
O,p'-DDD	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
O,p'-DDE	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
O,p'-DDT	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Parathion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Methyl parathion	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Pentachlorobenzene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Pendimethalin	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Phorate	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Phosalone	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Pirimiphos-methyl	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-

Analyte	Units	EQL	TP01	TP02	TP02	TP02	TP03	TP04	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS05	WS06	WS06
Depth			0.5m	0.5m	1m	1.7m	0.1m	0.1m	0.1m	0.1m	1m	0.2m	1.5m	0.5m	0.1m	1m	0.1m	2m
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	28-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025	24-07-2025
p,p'-DDD	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
p,p'-DDE	µg/kg	10	-	-	-	-	-	22	-	-	-	-	-	-	< 10	-	< 10	-
p,p'-DDT	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
p,p'-Methoxychlor	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Propylamide	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Propetamphos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Triazophos	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Chlordane (trans)	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Tecnazene	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-
Triadimefon	µg/kg	10	-	-	-	-	-	< 10	-	-	-	-	-	-	< 10	-	< 10	-

Scenarios:

Shaded Indicates result exceeds ATRISK Soil Screening Values (SSVs) for Residential without consumption of home-grown vegetables - 1% SOM Sand

Shaded Indicates a non-detect exceedance

Shaded Indicates a above non-detect

Criteria adopted from the following guidelines:

<sup>1</sup>ATRISK Soil Screening Values (SSVs) Criteria for Residential without consumption of home-grown vegetables - 1% SOM Sand

Notes:

This table does not represent the full analytical results, please refer to the laboratory results for full details.

Guideline Changes:

<sup>2</sup>Needed adding

Guideline Notes:

<sup>3</sup>Saturation Limit (mg/kg) 49.9 (sol)

<sup>4</sup>Saturation Limit (mg/kg) 20.9 (vap)

<sup>5</sup>Saturation Limit (mg/kg) 155 (vap)

<sup>6</sup>Saturation Limit (mg/kg) 156 (sol)

<sup>7</sup>Saturation Limit (mg/kg) 3.48 (vap)

<sup>8</sup>Saturation Limit (mg/kg) 124 (vap)

Analyte	Units	EQL	WS07	WS08	WS09	WS09	WS10	WS11	WS12	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.1m	0.5m	1m	0.3m	0.1m	0.5m	
Sampled Date			24-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	
Arsenic	mg/kg	1	4.5	6.1	7.7	-	9.9	7.3	4.5	39.9 <sup>1</sup>
Benzo(a) pyrene	mg/kg	0.05	< 0.05	0.07	< 0.05	-	1.3	0.19	< 0.05	5.33 <sup>1</sup>
Naphthalene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	0.851 <sup>1</sup>
Asbestos by hand picking/weighing <sup>2</sup>	%	0.001	-	-	-	-	3.546	-	-	1e-7 <sup>1</sup>
Benzene	µg/kg	5	< 5	< 5	< 5	-	< 5	< 5	< 5	310 <sup>1</sup>
Ethylbenzene	µg/kg	5	< 5	< 5	< 5	-	< 5	< 5	< 5	85,000 <sup>1</sup>
MTBE	µg/kg	5	< 5	< 5	< 5	-	< 5	< 5	< 5	33,300 <sup>1</sup>
Xylene (o)	µg/kg	5	< 5	< 5	< 5	-	< 5	< 5	< 5	30,000 <sup>1</sup>
Toluene	µg/kg	5	< 5	< 5	< 5	-	< 5	< 5	< 5	312,000 <sup>1</sup>
TPH - Aliphatic >C5 - C6	mg/kg	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	42.9 <sup>1</sup>
TPH - Aliphatic >C6 - C8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	99.6 <sup>1</sup>
TPH - Aliphatic >C8 - C10	mg/kg	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	13.9 <sup>1</sup>
TPH - Aromatic >EC5 - EC7	mg/kg	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	0.31 <sup>1</sup>
TPH - Aromatic >EC7 - EC8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	312 <sup>1</sup>
TPH - Aromatic >EC8 - EC10	mg/kg	0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	< 0.02	< 0.02	22.7 <sup>1</sup>
Chromium (hexavalent)	mg/kg	1.8	< 1.8	< 1.8	< 1.8	-	< 1.8	< 1.8	< 1.8	20.5 <sup>1</sup>
Copper	mg/kg	1	9.8	15	15	-	15	12	9.7	9,060 <sup>1</sup>
Mercury	mg/kg	0.3	< 0.3	< 0.3	< 0.3	-	< 0.3	< 0.3	< 0.3	10 <sup>1</sup>
Nickel	mg/kg	1	3.7	6.4	18	-	8.8	6.8	5.8	188 <sup>1</sup>
Lead	mg/kg	1	7.7	51	15	-	57	51	7.9	313 <sup>1</sup>
Selenium	mg/kg	1	< 1	< 1	3.8	-	1.2	< 1	< 1	595 <sup>1</sup>
Vanadium	mg/kg	1	16	21	34	-	25	23	19	357 <sup>1</sup>
Zinc	mg/kg	1	16	93	37	-	100	64	19	47,000 <sup>1</sup>
Barium	mg/kg	1	16	47	120	-	100	53	26	1,340 <sup>1</sup>
Beryllium	mg/kg	0.06	0.22	0.36	1.6	-	0.48	0.45	0.32	1.72 <sup>1</sup>
Cadmium	mg/kg	0.2	< 0.2	< 0.2	0.6	-	< 0.2	< 0.2	< 0.2	149 <sup>1</sup>
TPH - Aliphatic >C10 - C12	mg/kg	1	< 1	< 1	< 1	-	< 1	< 1	< 1	81.8 <sup>1,3</sup>
TPH - Aliphatic >C12 - C16	mg/kg	2	3.3	< 2	< 2	-	< 2	< 2	< 2	385 <sup>1,4</sup>
TPH - Aromatic >EC10 - EC12	mg/kg	1	< 1	< 1	< 1	-	< 1	< 1	< 1	139 <sup>1</sup>
TPH - Aromatic >EC12 - EC16	mg/kg	2	< 2	< 2	< 2	-	< 2	< 2	< 2	703 <sup>1,5</sup>
TPH - Aromatic >EC16 - EC21	mg/kg	10	< 10	< 10	< 10	-	< 10	< 10	< 10	1,930 <sup>1</sup>
TPH - Aromatic >EC21 - EC35	mg/kg	10	< 10	16	< 10	-	27	15	< 10	1,930 <sup>1</sup>
Acenaphthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	0.05	< 0.05	< 0.05	2,680 <sup>1,6</sup>
Anthracene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	0.2	< 0.05	< 0.05	34,300 <sup>1,7</sup>
Fluoranthene	mg/kg	0.05	< 0.05	0.13	< 0.05	-	2.2	0.31	< 0.05	4,880 <sup>1</sup>

Analyte	Units	EQL	WS07	WS08	WS09	WS09	WS10	WS11	WS12	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.1m	0.5m	1m	0.3m	0.1m	0.5m	
Sampled Date			24-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	
Fluorene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	3,260 <sup>1,8</sup>
Pyrene	mg/kg	0.05	< 0.05	0.09	< 0.05	-	2.1	0.27	< 0.05	3,650 <sup>1</sup>
Permethrin (trans)	µg/kg	10	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	10	-	-	-	-	-	-	-	-
Total mass of sample received	kg	0.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-
% Moisture	%	0.01	7.1	21	13	12	12	17	16	-
Stone	%	0.1	< 0.1	< 0.1	< 0.1	< 0.1	29.2	< 0.1	< 0.1	-
m,p-Xylene	µg/kg	8	< 8	< 8	< 8	-	< 8	< 8	< 8	-
Total Phenols (monohydric)	mg/kg	1	< 1	< 1	< 1	-	< 1	< 1	< 1	-
Total Cyanide	mg/kg	1	< 1	< 1	< 1	-	< 1	< 1	< 1	-
pH (Lab)	-		6.9	6.5	5.6	5.5	7.4	7	7.2	-
Boron	mg/kg	0.2	0.4	0.8	0.2	-	0.7	0.5	0.5	-
Total Sulphate as SO4	mg/kg	50	75	540	980	-	960	440	100	-
Total Organic Carbon	%	0.1	< 0.1	3.3	< 0.1	-	2.6	1.9	0.1	-
Chromium (III+VI)	mg/kg	1	16	16	21	-	16	18	18	-
Chloride (Water Soluble) (2:1)	mg/kg	1	1.2	7.4	31	-	9.8	4.3	1.8	-
Sulphide	mg/kg	1	< 1	< 1	< 1	-	4.7	1.1	2.5	-
TPH - Aliphatic >C16 - C21	mg/kg	8	< 8	< 8	< 8	-	< 8	< 8	< 8	-
TPH - Aliphatic >C21 - C35	mg/kg	8	< 8	< 8	< 8	-	22	< 8	< 8	-
TPH - Aliphatic >C35 - C44	mg/kg	8.4	< 8.4	< 8.4	< 8.4	-	12	< 8.4	< 8.4	-
TPH - Aromatic >EC35 - EC44	mg/kg	8.4	< 8.4	< 8.4	< 8.4	-	11	< 8.4	< 8.4	-
TPH - Aliphatic >C5 - C44	mg/kg	10	< 10	< 10	< 10	-	35	< 10	< 10	-
TPH - Aromatic >EC5 - EC44	mg/kg	10	< 10	16	< 10	-	38	15	< 10	-
TPH - Aromatic >EC5 - EC35	mg/kg	10	< 10	16	< 10	-	27	15	< 10	-
TPH - Aliphatic >C5 - C35	mg/kg	10	< 10	< 10	< 10	-	22	< 10	< 10	-
Sulphate (water soluble)	mg/kg	2.5	18	39	74	38	130	23	49	-
Water Soluble Sulphate as SO4 (2:1) leachate equivalent	mg/L	1.25	9.16	19.3	36.8	18.7	63.2	11.6	24.4	-
Sulphur	mg/kg	5	< 5	< 5	< 5	-	8.2	< 5	< 5	-
Acenaphthylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	< 0.05	0.06	< 0.05	-	1.1	0.16	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	< 0.05	0.11	< 0.05	-	1.4	0.26	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	0.58	0.13	< 0.05	-
Benzo(g,h,i)perylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	0.74	0.11	< 0.05	-
Chrysene	mg/kg	0.05	< 0.05	0.08	< 0.05	-	1.1	0.19	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	-	0.14	< 0.05	< 0.05	-





Analyte	Units	EQL	WS07	WS08	WS09	WS09	WS10	WS11	WS12	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.1m	0.5m	1m	0.3m	0.1m	0.5m	
Sampled Date			24-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	25-07-2025	
p,p'-DDD	µg/kg	10	-	-	-	-	-	-	-	-
p,p'-DDE	µg/kg	10	-	-	-	-	-	-	-	-
p,p'-DDT	µg/kg	10	-	-	-	-	-	-	-	-
p,p'-Methoxychlor	µg/kg	10	-	-	-	-	-	-	-	-
Propyzamide	µg/kg	10	-	-	-	-	-	-	-	-
Propetamphos	µg/kg	10	-	-	-	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	-	-	-	-	-	-	-	-
Triazophos	µg/kg	10	-	-	-	-	-	-	-	-
Chlordane (trans)	µg/kg	10	-	-	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	-	-	-	-	-	-	-	-
Tecnazene	µg/kg	10	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	10	-	-	-	-	-	-	-	-

Scenarios:

Shaded	Indicates result exceeds ATRISK Soil Scr
Shaded	Indicates a non-detect exceedance
Shaded	Indicates a above non-detect

Criteria adopted from the following guidelines:

<sup>1</sup>ATRISK Soil Screening Values (SSVs) Criteria for Residential without consumption of home-grown vegetables - 1% SOM

Notes:

This table does not represent the full analytical results, please refer to the laboratory results for full details.

Guideline Changes:

<sup>2</sup>Needed adding

Guideline Notes:

<sup>3</sup>Saturation Limit (mg/kg) 49.9 (sol)

<sup>4</sup>Saturation Limit (mg/kg) 20.9 (vap)

<sup>5</sup>Saturation Limit (mg/kg) 155 (vap)

<sup>6</sup>Saturation Limit (mg/kg) 156 (sol)

<sup>7</sup>Saturation Limit (mg/kg) 3.48 (vap)

<sup>8</sup>Saturation Limit (mg/kg) 124 (vap)

Analyte	Units	EQL	TP101	TP102	TP103	TP104	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.2m	0.2m	0.2m	
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	
Arsenic	mg/kg	1	11	41	9.7	8.1	39.9 <sup>1</sup>
Benzo(a) pyrene	mg/kg	0.05	8.6	1.1	5.6	3.7	5.33 <sup>1</sup>
Benzo(b)fluoranthene	mg/kg	0.05	10	1.1	5.9	3.9	-
Dibenz(a,h)anthracene	mg/kg	0.05	1	0.14	0.55	0.5	-
Naphthalene	mg/kg	0.05	1.1	0.15	< 0.05	0.06	0.851 <sup>1</sup>
Asbestos by hand picking/weighing <sup>2</sup>	%	0.001	< 0.001	< 0.001	-	-	1e-7 <sup>1</sup>
Benzene	µg/kg	5	< 5	< 5	< 5	< 5	310 <sup>1</sup>
Ethylbenzene	µg/kg	5	< 5	< 5	< 5	< 5	85,000 <sup>1</sup>
MTBE	µg/kg	5	< 5	< 5	< 5	< 5	33,300 <sup>1</sup>
Xylene (o)	µg/kg	5	< 5	< 5	< 5	< 5	30,000 <sup>1</sup>
Toluene	µg/kg	5	< 5	< 5	< 5	< 5	312,000 <sup>1</sup>
TPH - Aliphatic >C5 - C6	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	42.9 <sup>1</sup>
TPH - Aliphatic >C6 - C8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	99.6 <sup>1</sup>
TPH - Aliphatic >C8 - C10	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	13.9 <sup>1</sup>
TPH - Aromatic >EC5 - EC7	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.31 <sup>1</sup>
TPH - Aromatic >EC7 - EC8	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	312 <sup>1</sup>
TPH - Aromatic >EC8 - EC10	mg/kg	0.02	< 0.02	< 0.02	< 0.02	< 0.02	22.7 <sup>1</sup>
Chromium (hexavalent)	mg/kg	1.8	< 1.8	< 1.8	< 1.8	< 1.8	20.5 <sup>1</sup>
Boron	mg/kg	0.2	1.2	7.6	2.7	2.1	-
Copper	mg/kg	1	60	140	34	66	9,060 <sup>1</sup>
Mercury	mg/kg	0.3	< 0.3	< 0.3	< 0.3	< 0.3	10 <sup>1</sup>
Nickel	mg/kg	1	20	14	15	22	188 <sup>1</sup>
Lead	mg/kg	1	76	170	93	88	313 <sup>1</sup>
Selenium	mg/kg	1	< 1	< 1	< 1	< 1	595 <sup>1</sup>
Vanadium	mg/kg	1	37	27	40	21	357 <sup>1</sup>
Zinc	mg/kg	1	170	610	140	250	47,000 <sup>1</sup>
Barium	mg/kg	1	120	210	100	130	1,340 <sup>1</sup>
Beryllium	mg/kg	0.06	0.76	0.62	0.54	0.52	1.72 <sup>1</sup>
Cadmium	mg/kg	0.2	0.3	0.8	0.4	0.9	149 <sup>1</sup>
TPH - Aliphatic >C10 - C12	mg/kg	1	< 1	< 1	< 1	< 1	81.8 <sup>1,3</sup>
TPH - Aliphatic >C12 - C16	mg/kg	2	< 2	< 2	< 2	< 2	385 <sup>1,4</sup>
TPH - Aliphatic >C35 - C44	mg/kg	8.4	66	< 8.4	< 8.4	34	-
TPH - Aromatic >EC10 - EC12	mg/kg	1	< 1	< 1	< 1	< 1	139 <sup>1</sup>
TPH - Aromatic >EC12 - EC16	mg/kg	2	3.9	< 2	2.9	4.7	703 <sup>1,5</sup>
TPH - Aromatic >EC16 - EC21	mg/kg	10	32	< 10	18	17	1,930 <sup>1</sup>

Analyte	Units	EQL	TP101	TP102	TP103	TP104	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.2m	0.2m	0.2m	
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	
TPH - Aromatic >EC21 - EC35	mg/kg	10	150	16	54	91	1,930 <sup>1</sup>
Acenaphthylene	mg/kg	0.05	0.48	0.06	0.18	0.21	-
Acenaphthene	mg/kg	0.05	1.3	< 0.05	0.29	0.07	2,680 <sup>1,6</sup>
Anthracene	mg/kg	0.05	4.3	0.13	0.72	0.47	34,300 <sup>1,7</sup>
Benzo(a)anthracene	mg/kg	0.05	8.3	0.35	4.5	2.4	-
Benzo(k)fluoranthene	mg/kg	0.05	3.6	0.33	2.7	1.7	-
Benzo(g,h,i)perylene	mg/kg	0.05	4.1	0.66	3	2.4	-
Chrysene	mg/kg	0.05	7.5	0.5	4.3	2.6	-
Fluoranthene	mg/kg	0.05	16	0.67	7.4	4.7	4,880 <sup>1</sup>
Fluorene	mg/kg	0.05	2.3	< 0.05	0.25	0.08	3,260 <sup>1,8</sup>
Indeno(1,2,3-c,d)pyrene	mg/kg	0.05	3.6	0.55	2.6	2	-
Phenanthrene	mg/kg	0.05	14	0.28	2.2	1.3	-
Pyrene	mg/kg	0.05	13	1.1	7	4.5	3,650 <sup>1</sup>
Total mass of sample received	kg	0.1	0.8	0.8	0.8	0.8	-
% Moisture	%	0.01	4.8	8	11	4.9	-
Stone	%	0.1	25.2	13.6	6.4	< 0.1	-
m,p-Xylene	µg/kg	8	< 8	< 8	< 8	< 8	-
Total Phenols (monohydric)	mg/kg	1	< 1	< 1	< 1	< 1	-
Total Cyanide	mg/kg	1	< 1	< 1	< 1	< 1	-
pH (Lab)	-		10.6	8.1	7.7	7.3	-
Total Sulphate as SO4	mg/kg	50	1,200	1,300	690	610	-
Total Organic Carbon	%	0.1	3.5	3.7	3.7	4.2	-
Chromium (III+VI)	mg/kg	1	23	47	21	32	-
Chloride (Water Soluble) (2:1)	mg/kg	1	20	6.5	9.4	2.6	-
Sulphide	mg/kg	1	11	28	3.1	17	-
TPH - Aliphatic >C16 - C21	mg/kg	8	< 8	< 8	< 8	< 8	-
TPH - Aliphatic >C21 - C35	mg/kg	8	32	< 8	< 8	47	-
TPH - Aromatic >EC35 - EC44	mg/kg	8.4	250	24	51	130	-
TPH - Aliphatic >C5 - C44	mg/kg	10	98	< 10	< 10	81	-
TPH - Aromatic >EC5 - EC44	mg/kg	10	430	40	130	250	-
TPH - Aromatic >EC5 - EC35	mg/kg	10	180	16	75	110	-
TPH - Aliphatic >C5 - C35	mg/kg	10	32	< 10	< 10	47	-
Sulphate (water soluble)	mg/kg	2.5	190	60	68	20	-
Water Soluble Sulphate as SO4 (2:1) leachate equivalent	mg/L	1.25	92.6	30.1	33.8	10.2	-
Sulphur	mg/kg	5	16	9.2	< 5	< 5	-

Analyte	Units	EQL	TP101	TP102	TP103	TP104	Residential without consumption of home-grown vegetables - 1% SOM Sand
Depth			0.2m	0.2m	0.2m	0.2m	
Sampled Date			28-07-2025	28-07-2025	28-07-2025	28-07-2025	
Speciated Total EPA-16 PAHs	mg/kg	0.8	98.9	7.03	47.1	30.5	-

Scenarios:

Shaded	Indicates result exceeds ATRISK Soil Screening Values (SSVs) for Residential without consumption of home-grown vegetables - 1% SOM Sand
Shaded	Indicates a non-detect exceedance
Shaded	Indicates a above non-detect

Criteria adopted from the following guidelines:

<sup>1</sup>ATRISK Soil Screening Values (SSVs) Criteria for Residential without consumption of home-grown vegetables - 1% SOM Sand

Notes:

This table does not represent the full analytical results, please refer to the laboratory results for full details.

Guideline Changes:

<sup>2</sup>Needed adding

Guideline Notes:

<sup>3</sup>Saturation Limit (mg/kg) 49.9 (sol)

<sup>4</sup>Saturation Limit (mg/kg) 20.9 (vap)

<sup>5</sup>Saturation Limit (mg/kg) 155 (vap)

<sup>6</sup>Saturation Limit (mg/kg) 156 (sol)

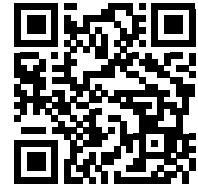
<sup>7</sup>Saturation Limit (mg/kg) 3.48 (vap)

<sup>8</sup>Saturation Limit (mg/kg) 124 (vap)

# Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



IYIQD-NFIND-MW09D

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Report is invalid if pages are removed.

## Job name

GE23261 - Hurst Farm, Crawley Down

## Description/Comments

25-039864.batch

## Project

GE23261

## Site

Hurst Farm, Crawley Down

## Classified by

<b>Name:</b> <b>Anthony Potter</b>	<b>Company:</b> <b>Geo-Environmental Services</b>
<b>Date:</b> <b>09 Sep 2025 10:11 GMT</b>	<b>Unit 7, Danworth Farm, Cuckfield Road</b>
<b>Telephone:</b> <b>01273832972</b>	<b>Hurstpierpoint</b>
	<b>BN6 9GL</b>

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

<b>HazWasteOnline™ Certification:</b>	<b>CERTIFIED</b>
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	06 Oct 2022
Most recent 3 year Refresher	07 Oct 2025 *

Next 3 year Refresher due by Oct 2025  
\* training course booked

## Purpose of classification

2 - Material Characterisation

## Address of the waste

Hurst Farm, Turners Hill Road, Crawley Down, West Sussex

Post Code RH10 4HN

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Redvelopment of farmyard with a care home

## Description of the specific process, sub-process and/or activity that created the waste

Waste created during the construction of new care home

## Description of the waste

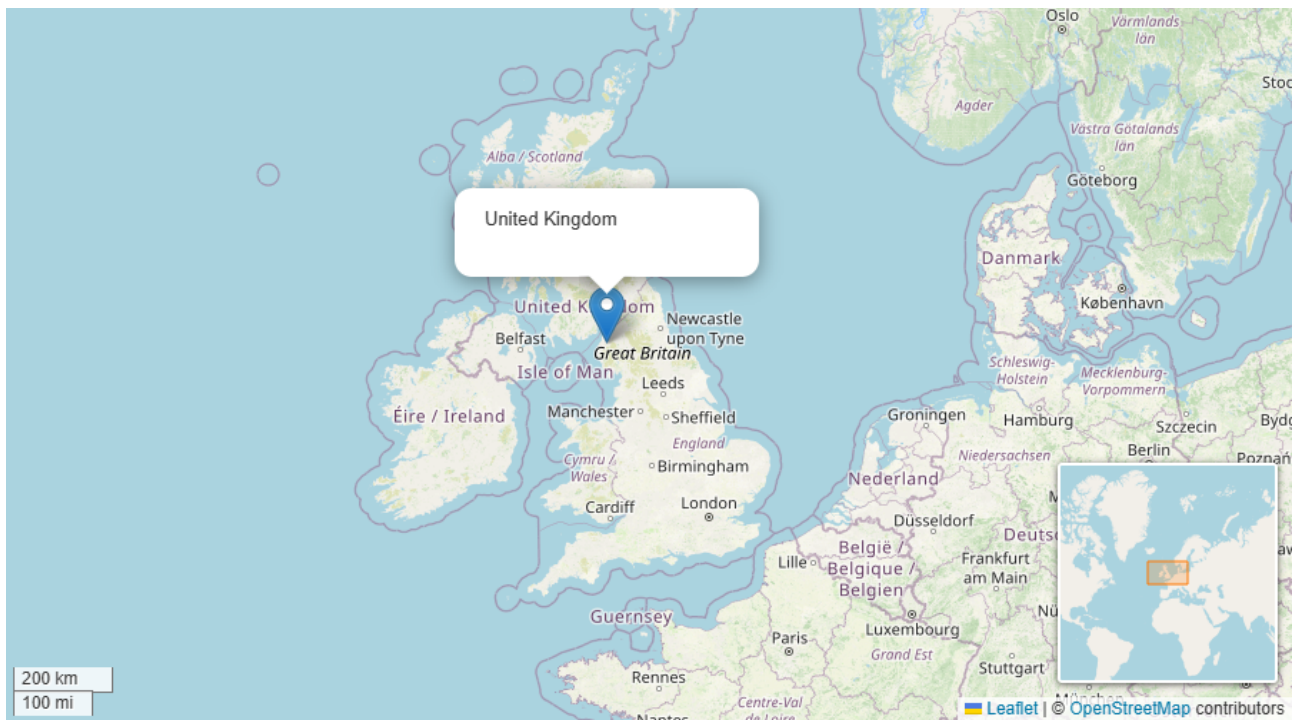
Topsoil comprised brown sandy silt, silty clay, sandy clay and clayey silt.

Made Ground comprised a mixed composition of brown, dark brown and dark grey very clayey silt, organic very silty clay, grey and black stained silty clay with a hydrocarbon malodour (TP02 only), silty gravelly sand, silty sand, slightly sandy silty clay, very sandy silty friable clay, tarmacadam gravel (WS03 only), concrete underlain by a plastic membrane (WS09 only). Gravels comprised flint, brick and concrete, rare cobbles. A rare piece of possible asbestos containing material was found within WS10 at a depth of between 0.20m and 0.40m bgl. Some rotting wood and a mild organic odour was noted within WS02 at a depth of between 0.55m and 1.30m bgl.

Upper Tunbridge Wells Sand Formation comprised firm to very stiff brown, light brown and yellowish brown clayey silt, slightly clayey silt,

silty clay, gravelly silty clay, very silty clay/clayey silt, slightly clayey gravelly silt and sandy silt. Gravels comprised fine to coarse angular to sub-angular siltstone and sandstone.

## Waste Location



## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01--24072025-0.10		Non Hazardous		4
2	WS02--24072025-0.10		Non Hazardous		7
3	WS02--24072025-1.00		Non Hazardous		10
4	WS03--24072025-0.20		Non Hazardous		13
5	WS04--24072025-0.50		Non Hazardous		16
6	WS05--24072025-0.10		Non Hazardous		19
7	WS06--24072025-0.10		Non Hazardous		25
8	WS07--24072025-0.20		Non Hazardous		31
9	WS08--25072025-0.10		Non Hazardous		34
10	WS09--25072025-0.50		Non Hazardous		37
11	WS10--25072025-0.30		Hazardous	HP 5, HP 7	40
12	WS11--25072025-0.10		Non Hazardous		43
13	WS12--25072025-0.50		Non Hazardous		46
14	TP01--28072025-0.50		Non Hazardous		49
15	TP02--28072025-0.50		Non Hazardous		52
16	TP02--28072025-1.00		Non Hazardous		55
17	TP02--28072025-1.70		Non Hazardous		58
18	TP03--28072025-0.10		Hazardous	HP 3(i), HP 7, HP 11	61
19	TP04--28072025-0.10		Non Hazardous		64
20	TP101--28072025-0.20		Non Hazardous		70
21	TP102--28072025-0.20		Non Hazardous		73
22	TP103--28072025-0.20		Non Hazardous		76
23	TP104--28072025-0.20		Non Hazardous		79

## Related documents

#	Name	Description
1	25-039864.batch.batch	i2 Analytical .batch file used to populate the Job
2	25-039864_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
3	25-040394_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
4	GESL Soils Waste Stream Template	waste stream template used to create this Job

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**Report**

Created by: Anthony Potter

Created date: 09 Sep 2025 10:11 GMT

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Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	82
Appendix B: Rationale for selection of metal species	84
Appendix C: Version	85

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**Classification of sample: WS01--24072025-0.10**

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

**Sample details**

Sample name:	LoW Code:
<b>WS01--24072025-0.10</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>20%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**

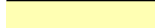



Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.4 mg/kg	1.32	3.591 mg/kg	0.000359 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				37 mg/kg	1.845	54.602 mg/kg	0.00546 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.23 mg/kg	2.775	0.511 mg/kg	0.0000511 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.6 mg/kg	3.22	4.121 mg/kg	0.000412 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				9.4 mg/kg	1.462	10.991 mg/kg	0.0011 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	10.809 mg/kg	0.00108 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	26 mg/kg	1.56	32.444 mg/kg	0.00208 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				4.7 mg/kg	2.976	11.191 mg/kg	0.00112 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				13 mg/kg	1.785	18.566 mg/kg	0.00186 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				48 mg/kg	4.398	168.88 mg/kg	0.0169 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				7.2 pH		7.2 pH	7.2 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.08 mg/kg		0.064 mg/kg	0.0000064 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.09 mg/kg		0.072 mg/kg	0.0000072 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0304 %		

## Key

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	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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
**Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)**  
**because:** There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00546%)

**Classification of sample: WS02--24072025-0.10**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS02--24072025-0.10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>25%</b> (wet weight correction)		

**Hazard properties**

None identified

**Determinands**


Moisture content: 25% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.3	mg/kg	1.32	8.219	mg/kg	0.000822 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				110	mg/kg	1.845	152.184	mg/kg	0.0152 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.64	mg/kg	2.775	1.332	mg/kg	0.000133 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				2.8	mg/kg	3.22	6.762	mg/kg	0.000676 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.343	mg/kg	0.0000343 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				24	mg/kg	1.462	26.308	mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9									
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				39	mg/kg	1.126	32.932	mg/kg	0.00329 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	120	mg/kg	1.56	140.383	mg/kg	0.009 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				13	mg/kg	2.976	29.019	mg/kg	0.0029 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				1.1	mg/kg	2.554	2.107	mg/kg	0.000211 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				29	mg/kg	1.785	38.828	mg/kg	0.00388 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				180	mg/kg	4.398	593.72	mg/kg	0.0594 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
15	TPH (C6 to C40) petroleum group				26	mg/kg		19.5	mg/kg	0.00195 %	✓	
			TPH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X   216-653-1   1634-04-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8   200-753-7   71-43-2				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3   203-625-9   108-88-3				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4   202-849-4   100-41-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9   202-422-2 [1]   95-47-6 [1] 203-396-5 [2]   106-42-3 [2] 203-576-3 [3]   108-38-3 [3] 215-535-7 [4]   1330-20-7 [4]				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	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				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
22	pH PH				8 pH		8 pH	8pH		
23	naphthalene 601-052-00-2   202-049-5   91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthylene 205-917-1   208-96-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	acenaphthene 201-469-6   83-32-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	fluorene 201-695-5   86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	phenanthrene 201-581-5   85-01-8				0.56 mg/kg		0.42 mg/kg	0.000042 %	✓	
28	anthracene 204-371-1   120-12-7				0.15 mg/kg		0.113 mg/kg	0.0000113 %	✓	
29	fluoranthene 205-912-4   206-44-0				1.7 mg/kg		1.275 mg/kg	0.000127 %	✓	
30	pyrene 204-927-3   129-00-0				1.6 mg/kg		1.2 mg/kg	0.00012 %	✓	
31	benzo[a]anthracene 601-033-00-9   200-280-6   56-55-3				1.1 mg/kg		0.825 mg/kg	0.0000825 %	✓	
32	chrysene 601-048-00-0   205-923-4   218-01-9				1.4 mg/kg		1.05 mg/kg	0.000105 %	✓	
33	benzo[b]fluoranthene 601-034-00-4   205-911-9   205-99-2				1.8 mg/kg		1.35 mg/kg	0.000135 %	✓	
34	benzo[k]fluoranthene 601-036-00-5   205-916-6   207-08-9				0.74 mg/kg		0.555 mg/kg	0.0000555 %	✓	
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3   200-028-5   50-32-8				1.5 mg/kg		1.125 mg/kg	0.000112 %	✓	
36	indeno[123-cd]pyrene 205-893-2   193-39-5				0.62 mg/kg		0.465 mg/kg	0.0000465 %	✓	
37	dibenz[a,h]anthracene 601-041-00-2   200-181-8   53-70-3				0.18 mg/kg		0.135 mg/kg	0.0000135 %	✓	
38	benzo[ghi]perylene 205-883-8   191-24-2				0.67 mg/kg		0.502 mg/kg	0.0000502 %	✓	
39	sulfur { sulphur dichloride } 016-013-00-X   234-129-0   10545-99-0				12 mg/kg	3.211	28.902 mg/kg	0.00289 %	✓	
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.104 %		

## Key

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	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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)

because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0152%)

**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 for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)


because: no liquid phase, to lower concentration to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00195%)

**Classification of sample: WS02--24072025-1.00**

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

**Sample details**

Sample name:	LoW Code:
<b>WS02--24072025-1.00</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>33%</b> (wet weight correction)	

**Hazard properties**

None identified

**Determinands**


Moisture content: 33% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				10 mg/kg	1.32	8.846 mg/kg	0.000885 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				290 mg/kg	1.845	358.416 mg/kg	0.0358 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.6 mg/kg	2.775	1.116 mg/kg	0.000112 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				3.1 mg/kg	3.22	6.688 mg/kg	0.000669 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				1.9 mg/kg	1.142	1.454 mg/kg	0.000145 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	20.564 mg/kg	0.00206 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				110 mg/kg	1.126	82.978 mg/kg	0.0083 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	210 mg/kg	1.56	219.466 mg/kg	0.0141 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				12 mg/kg	2.976	23.929 mg/kg	0.00239 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.6 mg/kg	2.554	2.738 mg/kg	0.000274 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				22 mg/kg	1.785	26.314 mg/kg	0.00263 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				350 mg/kg	4.398	1031.314 mg/kg	0.103 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
15	TPH (C6 to C40) petroleum group				105 mg/kg		70.35 mg/kg	0.00703 %	✓	
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				7.7 pH		7.7 pH	7.7 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				0.05 mg/kg		0.0335 mg/kg	0.00000335 %	✓	
		201-469-6	83-32-9							
26	fluorene				0.07 mg/kg		0.0469 mg/kg	0.00000469 %	✓	
		201-695-5	86-73-7							
27	phenanthrene				0.94 mg/kg		0.63 mg/kg	0.000063 %	✓	
		201-581-5	85-01-8							
28	anthracene				0.28 mg/kg		0.188 mg/kg	0.0000188 %	✓	
		204-371-1	120-12-7							
29	fluoranthene				1.3 mg/kg		0.871 mg/kg	0.0000871 %	✓	
		205-912-4	206-44-0							
30	pyrene				1.1 mg/kg		0.737 mg/kg	0.0000737 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				0.49 mg/kg		0.328 mg/kg	0.0000328 %	✓	
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				0.54 mg/kg		0.362 mg/kg	0.0000362 %	✓	
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				0.57 mg/kg		0.382 mg/kg	0.0000382 %	✓	
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				0.25 mg/kg		0.168 mg/kg	0.0000168 %	✓	
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				0.48 mg/kg		0.322 mg/kg	0.0000322 %	✓	
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				0.21 mg/kg		0.141 mg/kg	0.0000141 %	✓	
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				0.05 mg/kg		0.0335 mg/kg	0.00000335 %	✓	
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				0.23 mg/kg		0.154 mg/kg	0.0000154 %	✓	
		205-883-8	191-24-2							
39	asbestos				10 mg/kg		6.7 mg/kg	0.00067 %	✓	
	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							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
40	sulfur { sulphur dichloride }				76 mg/kg	3.211	163.52 mg/kg	0.0164 %	✓	
	016-013-00-X	234-129-0	10545-99-0							
41	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.195 %		

**Key**

<span style="background-color: yellow;"> </span>	User supplied data
<span style="background-color: #cccccc;"> </span>	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

**Supplementary Hazardous Property Information**

**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)

because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0358%)

**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 for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)


because: no liquid phase, to lower concentration to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00703%)

**Classification of sample: WS03--24072025-0.20**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS03--24072025-0.20</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>14%</b> (wet weight correction)		

**Hazard properties**

None identified

**Determinands**


Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				2.8 mg/kg	1.32	3.179 mg/kg	0.000318 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium chromate }				11 mg/kg	1.845	17.45 mg/kg	0.00175 %	✓	
		233-660-5	10294-40-3							
3	beryllium { beryllium oxide }				0.16 mg/kg	2.775	0.382 mg/kg	0.0000382 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				0.3 mg/kg	3.22	0.831 mg/kg	0.0000831 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	17.597 mg/kg	0.00176 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				7.9 mg/kg	1.126	7.649 mg/kg	0.000765 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	5.5 mg/kg	1.56	7.378 mg/kg	0.000473 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				2.5 mg/kg	2.976	6.399 mg/kg	0.00064 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				11 mg/kg	1.785	16.888 mg/kg	0.00169 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				7.6 mg/kg	4.398	28.745 mg/kg	0.00287 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X   216-653-1   1634-04-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8   200-753-7   71-43-2				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3   203-625-9   108-88-3				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4   202-849-4   100-41-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9   202-422-2 [1]   95-47-6 [1] 203-396-5 [2]   106-42-3 [2] 203-576-3 [3]   108-38-3 [3] 215-535-7 [4]   1330-20-7 [4]				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	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				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
22	pH PH				7.9 pH		7.9 pH	7.9 pH		
23	naphthalene 601-052-00-2   202-049-5   91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthylene 205-917-1   208-96-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	acenaphthene 201-469-6   83-32-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	fluorene 201-695-5   86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	phenanthrene 201-581-5   85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	anthracene 204-371-1   120-12-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	fluoranthene 205-912-4   206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	pyrene 204-927-3   129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
31	benzo[a]anthracene 601-033-00-9   200-280-6   56-55-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
32	chrysene 601-048-00-0   205-923-4   218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
33	benzo[b]fluoranthene 601-034-00-4   205-911-9   205-99-2				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
34	benzo[k]fluoranthene 601-036-00-5   205-916-6   207-08-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3   200-028-5   50-32-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
36	indeno[123-cd]pyrene 205-893-2   193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
37	dibenz[a,h]anthracene 601-041-00-2   200-181-8   53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
38	benzo[ghi]perylene 205-883-8   191-24-2				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
39	sulfur { sulphur dichloride } 016-013-00-X   234-129-0   10545-99-0				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0104 %		

## Key

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	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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**HP 2: Oxidizing** "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"  
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)  
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

**Ox. Sol. 2; H272** "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00175%)