



# DETS

## Certificate of Analysis

*Certificate Number* 24-10279

*Issued:* 29-May-24

*Client* SOLMEK  
12 Yarm Road  
Stockton On Tees  
Cleveland  
TS18 3NA

*Our Reference* 24-10279

*Client Reference* ~ S240420

*Order No* ~ SOL8396

*Contract Title* ~ MILNSBRIDGE, HUDDERSFIELD

*Description* 11 Soil samples.

*Date Received* 20-May-24

*Date Started* 20-May-24

*Date Completed* 29-May-24

*Test Procedures* Identified by prefix DETSn (details on request).

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

*Approved By*



✓

Kirk Bridgewood  
General Manager



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## Summary of Chemical Analysis

### Matrix Descriptions

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

Sample ID	Depth	Lab No	Completed	Matrix Description
TP01	0.40-0.50	2339953	29/05/2024	Dark brown slightly gravelly, sandy CLAY
TP02	0.10-0.20	2339954	29/05/2024	Dark grey very gravelly SAND
TP03	1.00-1.10	2339955	29/05/2024	Dark brown gravelly, sandy CLAY (Possible made ground - slag)
TP04	0.90-1.00	2339956	29/05/2024	Dark brown gravelly, sandy CLAY (Possible made ground - slag)
TP06	0.10-0.20	2339957	29/05/2024	Dark brown gravelly, sandy CLAY
TP07	0.40-0.50	2339958	29/05/2024	Dark brown gravelly, sandy CLAY
BH04	1.00-1.80	2339959	29/05/2024	Brown very gravelly SAND including odd rootlets
BH05	2	2339960	29/05/2024	Brown very gravelly SAND
TP01	0.80-0.60	2339961	29/05/2024	Brown sandy, very gravelly CLAY
TP02	0.40-0.30	2339962	29/05/2024	Brown gravelly, sandy CLAY
TP05	0.40-0.60	2339963	29/05/2024	Brown gravelly, sandy CLAY

# Summary of Chemical Analysis

## Soil Samples

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

<b>Lab No</b>	2339953	2339954	2339955	2339956	2339957	2339958	2339959
<b>Sample ID ~</b>	TP01	TP02	TP03	TP04	TP06	TP07	BH04
<b>Depth ~</b>	0.40-0.50	0.10-0.20	1.00-1.10	0.90-1.00	0.10-0.20	0.40-0.50	1.00-1.80
<b>Other ID ~</b>							
<b>Sample Type ~</b>	ES	ES	ES	ES	ES	ES	D
<b>Sampling Date ~</b>	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024
<b>Sampling Time ~</b>	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units							
<b>Metals</b>										
Arsenic	DETSC 2301#	0.2	mg/kg	5.9	6.2	28	26	15	29	
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	0.6	0.8	2.2	1.4	0.4	0.5	
Cadmium	DETSC 2301#	0.1	mg/kg	< 0.1	0.3	0.1	0.2	0.2	0.3	
Chromium	DETSC 2301#	0.15	mg/kg	20	74	410	99	37	27	
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Copper	DETSC 2301#	0.2	mg/kg	57	39	820	270	82	130	
Lead	DETSC 2301#	0.3	mg/kg	24	52	130	110	73	150	
Mercury	DETSC 2325#	0.05	mg/kg	< 0.05	< 0.05	0.06	0.10	0.10	0.23	
Nickel	DETSC 2301#	1	mg/kg	13	11	2000	85	110	36	
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 0.5	
Zinc	DETSC 2301#	1	mg/kg	50	87	270	200	91	130	
<b>Inorganics</b>										
pH	DETSC 2008#		pH	7.8	10.8	8.3	8.1	7.8	8.2	8.0
Cyanide, Free	DETSC 2130#	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Organic matter	DETSC 2002#	0.1	%	2.0	5.5	2.0	6.2	4.2	4.7	
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	75	110	61	410	66	87	52
<b>Petroleum Hydrocarbons</b>										
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg	< 1.2	6.6	< 1.2	< 1.2	< 1.2	< 1.2	
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	17	< 1.5	< 1.5	< 1.5	< 1.5	
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg	< 3.4	150	< 3.4	< 3.4	< 3.4	< 3.4	
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	170	< 10	< 10	< 10	< 10	
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg	< 0.5	4.1	< 0.5	< 0.5	< 0.5	< 0.5	
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg	9.7	65	< 0.6	< 0.6	< 0.6	< 0.6	
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg	39	470	< 1.4	< 1.4	< 1.4	< 1.4	
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	48	540	< 10	< 10	< 10	< 10	
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	48	710	< 10	< 10	< 10	< 10	
<b>PAHs</b>										
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.1	< 2.0	< 0.1	1.2	0.2	0.2	
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.1	< 2.0	< 0.1	< 0.1	< 0.1	0.1	
Acenaphthene	DETSC 3301	0.1	mg/kg	0.1	29	0.3	1.7	0.2	0.4	
Fluorene	DETSC 3301	0.1	mg/kg	0.1	26	0.3	1.3	0.2	0.4	

# Summary of Chemical Analysis

## Soil Samples

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

<b>Lab No</b>	2339953	2339954	2339955	2339956	2339957	2339958	2339959
<b>Sample ID ~</b>	TP01	TP02	TP03	TP04	TP06	TP07	BH04
<b>Depth ~</b>	0.40-0.50	0.10-0.20	1.00-1.10	0.90-1.00	0.10-0.20	0.40-0.50	1.00-1.80
<b>Other ID ~</b>							
<b>Sample Type ~</b>	ES	ES	ES	ES	ES	ES	D
<b>Sampling Date ~</b>	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024	09/05/2024
<b>Sampling Time ~</b>	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Phenanthrene	DETSC 3301	0.1	mg/kg	0.5	160	2.0	11	1.0	1.9
Anthracene	DETSC 3301	0.1	mg/kg	0.7	62	0.5	3.0	0.2	0.5
Fluoranthene	DETSC 3301	0.1	mg/kg	2.4	330	3.0	14	1.4	3.5
Pyrene	DETSC 3301	0.1	mg/kg	2.7	290	2.7	12	1.2	3.5
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	1.5	150	1.5	6.0	0.6	1.9
Chrysene	DETSC 3301	0.1	mg/kg	1.6	140	1.5	6.2	0.7	2.0
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	1.4	100	1.0	4.4	0.5	1.4
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	0.9	67	0.6	2.8	0.3	0.8
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	2.3	160	1.6	6.2	0.7	1.9
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	1.3	90	0.8	3.6	0.4	1.2
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	16	0.1	0.5	< 0.1	0.2
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	1.4	84	0.8	3.6	0.4	1.2
PAH 16 Total	DETSC 3301	1.6	mg/kg	17	1700	17	77	7.9	21
<b>Phenols</b>									
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	0.4	< 0.3	< 0.3	< 0.3	< 0.3

## Summary of Chemical Analysis

### Soil Samples

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

Lab No	2339960	2339961	2339962	2339963
Sample ID ~	BH05	TP01	TP02	TP05
Depth ~	2.00	0.80-0.60	0.40-0.30	0.40-0.60
Other ID ~				
Sample Type ~	D	D	D	D
Sampling Date ~	09/05/2024	09/05/2024	09/05/2024	09/05/2024
Sampling Time ~	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
<b>Metals</b>							
Arsenic	DETSC 2301#	0.2	mg/kg				
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg				
Cadmium	DETSC 2301#	0.1	mg/kg				
Chromium	DETSC 2301#	0.15	mg/kg				
Chromium, Hexavalent	DETSC 2204*	1	mg/kg				
Copper	DETSC 2301#	0.2	mg/kg				
Lead	DETSC 2301#	0.3	mg/kg				
Mercury	DETSC 2325#	0.05	mg/kg				
Nickel	DETSC 2301#	1	mg/kg				
Selenium	DETSC 2301#	0.5	mg/kg				
Zinc	DETSC 2301#	1	mg/kg				
<b>Inorganics</b>							
pH	DETSC 2008#		pH	8.0	7.8	5.2	7.9
Cyanide, Free	DETSC 2130#	0.1	mg/kg				
Organic matter	DETSC 2002#	0.1	%				
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	27	34	74	74
<b>Petroleum Hydrocarbons</b>							
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg				
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg				
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg				
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg				
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg				
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg				
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg				
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	3.4	mg/kg				
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg				
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg				
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg				
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg				
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg				
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg				
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg				
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg				
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1.4	mg/kg				
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg				
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg				
<b>PAHs</b>							
Naphthalene	DETSC 3301	0.1	mg/kg				
Acenaphthylene	DETSC 3301	0.1	mg/kg				
Acenaphthene	DETSC 3301	0.1	mg/kg				
Fluorene	DETSC 3301	0.1	mg/kg				

## Summary of Chemical Analysis Soil Samples

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

<b>Lab No</b>	2339960	2339961	2339962	2339963
<b>Sample ID ~</b>	BH05	TP01	TP02	TP05
<b>Depth ~</b>	2.00	0.80-0.60	0.40-0.30	0.40-0.60
<b>Other ID ~</b>				
<b>Sample Type ~</b>	D	D	D	D
<b>Sampling Date ~</b>	09/05/2024	09/05/2024	09/05/2024	09/05/2024
<b>Sampling Time ~</b>	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Phenanthrene	DETSC 3301	0.1	mg/kg				
Anthracene	DETSC 3301	0.1	mg/kg				
Fluoranthene	DETSC 3301	0.1	mg/kg				
Pyrene	DETSC 3301	0.1	mg/kg				
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg				
Chrysene	DETSC 3301	0.1	mg/kg				
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg				
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg				
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg				
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg				
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg				
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg				
PAH 16 Total	DETSC 3301	1.6	mg/kg				
<b>Phenols</b>							
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg				

## Summary of Asbestos Analysis

### Soil Samples

Our Ref 24-10279

Client Ref ~ S240420

Contract Title ~ MILNSBRIDGE, HUDDERSFIELD

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2339953	TP01 0.40-0.50	SOIL	NAD	none	Ben Barsby
2339954	TP02 0.10-0.20	SOIL	NAD	none	Ben Barsby
2339955	TP03 1.00-1.10	SOIL	Chrysotile	Chrysotile present as fibre bundles	Ben Barsby
2339956	TP04 0.90-1.00	SOIL	NAD	none	Ben Barsby
2339957	TP06 0.10-0.20	SOIL	NAD	none	Ben Barsby
2339958	TP07 0.40-0.50	SOIL	NAD	none	Ben Barsby

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

## Information in Support of the Analytical Results

Our Ref 24-10279  
 Client Ref ~ S240420  
 Contract ~ MILNSBRIDGE, HUDDERSFIELD

### Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
2339953	TP01 0.40-0.50 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339954	TP02 0.10-0.20 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339955	TP03 1.00-1.10 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339956	TP04 0.90-1.00 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339957	TP06 0.10-0.20 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339958	TP07 0.40-0.50 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2339959	BH04 1.00-1.80 SOIL	09/05/24	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
2339960	BH05 2.00 SOIL	09/05/24	GJ 250ml, PT 1L	pH + Conductivity (7 days)	
2339961	TP01 0.80-0.60 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	
2339962	TP02 0.40-0.30 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	
2339963	TP05 0.40-0.60 SOIL	09/05/24	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det

Aliphatic C5-C6

Acronym

HS\_1D\_AL

## Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 2002	Organic matter	%	0.1	Air Dried	No	Yes	Yes
DETSC 2003	Loss on ignition	%	0.01	Air Dried	No	Yes	Yes
DETSC 2008	pH	pH Units	1	Air Dried	No	Yes	Yes
DETSC 2076	Sulphate Aqueous Extract as SO <sub>4</sub>	mg/l	10	Air Dried	No	Yes	Yes
DETSC 2084	Total Organic Carbon	%	0.5	Air Dried	No	Yes	Yes
DETSC 2119	Ammoniacal Nitrogen as N	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide free	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide total	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes
DETSC 2301	Arsenic	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Barium	mg/kg	1.5	Air Dried	No	Yes	Yes
DETSC 2301	Beryllium	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium Available	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cobalt	mg/kg	0.7	Air Dried	No	Yes	Yes
DETSC 2301	Chromium	mg/kg	0.15	Air Dried	No	Yes	Yes
DETSC 2301	Copper	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Manganese	mg/kg	20	Air Dried	No	Yes	Yes
DETSC 2301	Molybdenum	mg/kg	0.4	Air Dried	No	Yes	Yes
DETSC 2301	Nickel	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2301	Lead	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2301	Selenium	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2301	Zinc	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2311	Boron (water soluble)	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2321	Total Sulphate as SO <sub>4</sub>	%	0.01	Air Dried	No	Yes	Yes
DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes
DETSC 3049	Sulphur (free)	mg/kg	0.75	As Received	No	Yes	Yes
DETSC 3072	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3072	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3072	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes

## Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3311	C10-C24 Diesel Range Organics (DRO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	C24-C40 Lube Oil Range Organics (LORO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	EPH (C10-C40)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3321	Benzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Ethylbenzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Toluene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	m+p Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	o Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 28 + PCB 31	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 52	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 101	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 118	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 153	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 138	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 180	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB Total	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3521	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3521	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3521	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS. No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

## Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

**n/s** -not supplied.

**I/S** -insufficient sample.

**U/S** -unsuitable sample.

**t/f** -to follow.

**nd** -not detected.

**End of Report**