

Certificate of Analysis

Certificate Number : 25-00796-Issue 1-Page: 1

Report Fao:

Site Address^: Gosport - Fareham Rd
Client Order No: 25-53121
Date of Sampling^: 14/04/2025
Date Received: 14/04/2025
Date of Analysis: 14/04/2025 - 02/05/2025
Report Date: 06/05/2025

Please find your certificates of test attached for your samples received in the laboratory on 14/04/2025 under our laboratory reference 25-00796.

Remarks:

None

Results reviewed by:



Eoin Byrne Laboratory Manager

Test Certificates approved by:



Dan Connorton - Analytical Chemist

*Any opinions or interpretations indicated are outside the scope of our UKAS accreditation.
This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.
Excel copies of reports are valid only when accompanied by this PDF certificate.
Client's Sample Description / ACS Material Description are noted for reference only.*

Head Office

Unit 14B
Blackhill Road West
Holton Heath Trading Park
Poole
Dorset BH16 6LE

Tel 01202 628680
Fax 01202 628642

Registered Office

Unit 14B
Blackhill Road West
Holton Heath Trading Park
Poole
Dorset BH16 6LE
ACS Environmental Testing Limited
Registered in England and
Wales No. 6000065

ACSE Sample Number 93942
 Sample ID 849466 - 25-53121
 Clients Sample Ref.^ Effluent Output Tank
 Location / Sample Depth (m)^
 Date Sampled^ 14/04/2025
 Time Sampled^ 915
 Sample deviating codes
 Client's Sample Description^ Effluent Output Water
 ACS Testing Material Description^ WATER

ACSE Material Description (Principal Matrix - As Received)

Determination	HWOL Acroynm	Units	Method	Prepared As	Result	AS
Anions						
Chloride		mg/l	MT/ACSE/204	AR	208	*
Fluoride		mg/l	MT/ACSE/204	AR	0.068	*
Cyanide						
Total Cyanide		ug/l	IHP	AR	< 1.00	*
Metals (Water)						
Silver		mg/l	MT/ACSE/205	AR	< 0.0006	
Metals and Metalloids (Water)						
Cadmium		mg/l	MT_ACSE_208	AR	< 0.00025	*
Cobalt		mg/l	MT_ACSE_208	AR	0.00109	*
Copper		mg/l	MT_ACSE_208	AR	0.00064	*
Iron		mg/l	MT_ACSE_208	AR	< 0.010	*
Manganese		mg/l	MT_ACSE_208	AR	0.06168	
Nickel		mg/l	MT_ACSE_208	AR	0.00357	*
Lead		mg/l	MT_ACSE_208	AR	< 0.00025	*
Zinc		mg/l	MT_ACSE_208	AR	0.00101	*
Chromium III		mg/l	NAM/ACSE/X11	AR	< 0.0010	
Petroleum Hydrocarbons						
C25-C40		mg/l	NAM/ACSE/X02	AR	< 20.0	
C6-C10		mg/l	NAM/ACSE/X02	AR	< 20.0	
C10-C25		mg/l	NAM/ACSE/X02	AR	< 20.0	
Total TPH Banded		mg/l	NAM/ACSE/X02	AR	33	
pH and Conductivity						
pH (@ 20 °C)		units	MT/ACSE/301	AR	7.3	*
Phenols						
Phenol Index		ug/l	IHP	AR	< 0.05	
Subcontracted Analysis						
Chromium VI		ug/l	SC	SC	< 2.00	
Waters and Leachates						
BOD (Biochemical Oxygen Demand)		mg/l	MT/ACSE/306	AR	12.0	
COD (Chemical Oxygen Demand)		mg/l	MT/ACSE/307	AR	< 1.50	*
Suspended Solids		mg/l	MT/ACSE/305	AR	20	*
Wet Chemistry (Water)						
Chromium Hexavalent		mg/l	NAM/ACSE/X11	AR	< 0.05	

Technical Information for Analytical Results

Analysis

* - denotes analysis covered by our UKAS accreditation.

- denoted analysis covered by our MCERTS certification & UKAS accreditation.

Loss on Ignition (MT/ACSE/302) is carried out at our laboratory at Unit D11 Admiralty Park, Station Road, Holton Heath, Poole, Dorset BH16 6HX.

AD = Sample tested in air dried condition.

AR = Sample tested in as-received condition.

AS = Accreditation status.

D = Sample tested in dry condition.

L = Laboratory prepared leachate.

SC = Sub contracted.

[^] = Clients supplied information. This may affect the validity of test results.

All MCERTS certified test values reported on a dry weight basis.

The preparation of 10:1 Leachates (to BS EN 12457-2:2002) and 2:1 leachates (to BS EN 12457-1:2002) fall outside the scope of our UKAS accreditation.

Soils and leachates are prepared at our laboratory at Unit D11 Admiralty Park, Station Road, Holton Heath, Poole, Dorset BH16 6HX.

Method uncertainty available on request.

Where results are less than the limit of detection, the value of 0 is used in calculations.

Key to HWOL Acronyms

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
Total	- Aliphatics & Aromatics
AL	- Aliphatics only
AR	- Aromatics only
2D	- GC-GC - Double coil gas chromatography
#1	- e.g. EH_2D_Total_#1 means humics mathematically subtracted
#2	- e.g. EH_2D_Total_#2 means fatty acids mathematically subtracted
-	- Operator - underscore to separate acronyms (exception for +)
+	- Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Deviating Codes

Deviating Samples

The use of any of the following symbols indicates that the sample was deviating and it is possible therefore that the results provided may not be representative of the sample taken.

- a - The date and /or time of sampling has not been provided, therefore it is not known if the time lapse between sampling and analysis has exceeded the acceptable holding time(s)*.
- b - The test item was received in a container which has not been recommended*.
- c - On receipt, the temperature of the sample received was found to fall outside the recommendations of BS ISO 18512:2007, Soil Quality. Guidance on long and short term storage of soil samples*.
- d - The sample was received in a container that had not been filled as recommended*.
- e - The delay between sampling and sample receipt is greater than the recommended holding time for the analyte of interest in this matrix*.
- f - The delay between sampling and analysis is greater than the recommended holding time for the analyte of interest in this matrix*.

In accordance with the requirements of Technical Policy Statement TPS 63; UKAS Policy on Deviating Samples, all UKAS accredited testing laboratories are required to notify their clients that calibration or test results may be invalid where samples are found to be deviating. It is the opinion of ACSE that the term invalid should be interpreted as 'not fully representative of the sample taken at source'.

The following Additional Deviating Sample Codes may also be used.

I/S - Insufficient sample mass/volume received for accurate quantification of this analyte.

U/S - The sample received was deemed unsuitable for accurate determination of this analyte using the Test Methods available.

S/C - The sample received was subcontracted for analysis.

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