

Certificate of Analysis

Certificate Number : 25-00766-Issue 1-Page: 1

Report Fao:

Site Address^: Gosport - Fareham Rd
Client Order No: 25-53069
Date of Sampling^: 09/04/2025
Date Received: 10/04/2025
Date of Analysis: 10/04/2025 - 02/05/2025
Report Date: 02/05/2025

Please find your certificates of test attached for your samples received in the laboratory on 10/04/2025 under our laboratory reference 25-00766.

Remarks:

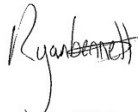
None

Results reviewed by:



Craig Williams Senior Analyst

Test Certificates approved by:



Ryan Bennett - DII Laboratory Coordinator

*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.*

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ACSE Sample Number 93850
 Sample ID 849218 - 25-53069
 Clients Sample Ref.^ Effluent Output Tank
 Location / Sample Depth (m)^
 Date Sampled^ 09/04/2025
 Time Sampled^ 920
 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 | 708 | * |
| Fluoride | | mg/l | MT/ACSE/204 | AR | 0.107 | * |
| Cyanide | | | | | | |
| Total Cyanide | | ug/l | IHP | AR | 1.29 | * |
| 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 | 0.00158 | * |
| Copper | | mg/l | MT_ACSE_208 | AR | 0.00027 | * |
| Iron | | mg/l | MT_ACSE_208 | AR | < 0.010 | * |
| Manganese | | mg/l | MT_ACSE_208 | AR | 0.11359 | |
| Nickel | | mg/l | MT_ACSE_208 | AR | 0.00398 | * |
| Lead | | mg/l | MT_ACSE_208 | AR | < 0.00025 | * |
| Zinc | | mg/l | MT_ACSE_208 | AR | 0.00085 | * |
| Chromium III | | mg/l | NAM/ACSE/X11 | AR | < 0.0010 | |
| Petroleum Hydrocarbons | | | | | | |
| C10-C25 | | mg/l | NAM/ACSE/X02 | AR | < 20.0 | |
| C25-C40 | | mg/l | NAM/ACSE/X02 | AR | < 20.0 | |
| C6-C10 | | mg/l | NAM/ACSE/X02 | AR | < 20.0 | |
| Total TPH Banded | | mg/l | NAM/ACSE/X02 | AR | 30 | |
| pH and Conductivity | | | | | | |
| pH (@ 20 °C) | | units | MT/ACSE/301 | AR | 7.2 | * |
| Phenols | | | | | | |
| Phenol Index | | ug/l | IHP | AR | 10.5 | |
| Subcontracted Analysis | | | | | | |
| Chromium VI | | ug/l | SC | SC | < 2.00 | |
| Waters and Leachates | | | | | | |
| BOD (Biochemical Oxygen Demand) | | mg/l | MT/ACSE/306 | AR | < 4.00 | |
| COD (Chemical Oxygen Demand) | | mg/l | MT/ACSE/307 | AR | 30.8 | * |
| Suspended Solids | | mg/l | MT/ACSE/305 | AR | 11 | * |
| 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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