

## CERTIFICATE OF ANALYSIS

<b>Work Order</b> : <b>KL2002518</b> <b>Client</b> : <b>SMHB SDN BHD</b> <b>Contact</b> : TANG YY-SAN <b>Address</b> : 38, JALAN 1/76D DESA PANDAN KUALA LUMPUR 55100 <b>E-mail</b> : tangys@smhb.com <b>Telephone</b> : ---- <b>Facsimile</b> : ---- <b>Project</b> : ENVIRONMENTAL MONITORING AT PULAU INDAH, KLANG <b>Order number</b> : ---- <b>C-O-C number</b> : ---- <b>Sampler</b> : CHOO/FADZIL/HUSNI <b>Site</b> : WESTPORT PHASE II DEVELOPMENT  <b>Quote number</b> : KL2019SMHB0002	<b>Page</b> : 1 of 2 <b>Laboratory</b> : ALS Technichem (M) Sdn. Bhd. <b>Contact</b> : AbdulQaiyum Musa <b>Address</b> : WISMA ALS, 21, Jalan Astaka U8/84, Bukit Jelutong Shah Alam Selangor Malaysia 40150 <b>E-mail</b> : AbdulQaiyum.Musa@alsglobal.com <b>Telephone</b> : +60175552985 <b>Facsimile</b> : +603 7845 8258 <b>QC Level</b> : ALS Malaysia Standard Quality Schedule <b>Date Samples Received</b> : 27-Feb-2020 19:00 <b>Date Analysis Commenced</b> : 03-Mar-2020 <b>Issue Date</b> : 09-Mar-2020 14:18  <b>No. of samples received</b> : 3 <b>No. of samples analysed</b> : 3
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This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



### *Signatories*

This laboratory is accredited under STANDARDS MALAYSIA. The tests reported herein have been performed in accordance with laboratory's Terms of Accreditation. This document has been electronically signed by authorized signatories indicated below. Electronic signing has been carried out in compliance with procedure specified in 21 CFR Part 11.

#### *Signatories*

Nuramira Abdmalek  
 Nurhidayah Rosli

#### *Position*

Chemist (IKM No: M/4867/8027/18)  
 Chemist (IKM No : L/2742/8123/18)



## General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, ASTM, NIOSH and BS EN. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

∅ = ALS is not accredited for these tests.

~ = Indicates an estimated value.

- ALS TECHNICHEM prepares this Test Report based on the tests requested and on the specific sample(s) submitted for analysis. The significance of this Report is subject to the adequacy and representative character of the sample(s) and to the comprehensiveness of the tests requested or made. ALS TECHNICHEM assumes no responsibility for variations in quality or other characteristic of the product produced or supplied under conditions over which ALS TECHNICHEM has no control.  
ALS TECHNICHEM acts for the customer from whom the instructions to act have originated. No other party is entitled to give instructions, particularly on the scope of analysis or delivery of report or certificate, unless so authorized by the customer.
- ALS TECHNICHEM undertakes to exercise due care and skill in the performance of its analytical and consultancy services but no warranties are given and none may be implied directly or indirectly relating to ALS TECHNICHEM's test results, services or facilities. In no event shall ALS TECHNICHEM be liable to collateral, special or consequential damage.
- Result < LOR = Not Detected (ND)
- Where moisture determination has been performed, results are reported on a dry weight basis.

## Analytical Results

Sub-Matrix: SOIL

Compound	Method	Client sample ID		W1	W2	W3	----	----
		LOR	Unit	27-Feb-2020 10:30	27-Feb-2020 09:30	27-Feb-2020 11:05	----	----
				KL2002518-001	KL2002518-002	KL2002518-003	-----	-----
<b>Physical and Aggregate Properties</b>								
Moisture Content	APHA2540B	0.01	%	22.9	45.4	31.4	----	----
<b>Aggregate Organics</b>								
Total Hydrocarbon	APHA5520F	100	mg/kg	<100	<100	<100	----	----
<b>Metals and Major Cations - Total</b>								
Arsenic	USEPA6010B	1	mg/kg	3	9	6	----	----
Cadmium	USEPA6010B	1	mg/kg	<1	<1	<1	----	----
Chromium	USEPA6010B	1	mg/kg	1	27	15	----	----
Copper	USEPA6010B	1	mg/kg	2	9	6	----	----
Lead	USEPA6010B	1	mg/kg	4	25	11	----	----
Mercury	USEPA7471A	0.10	mg/kg	<0.10	<0.10	<0.10	----	----
Nickel	USEPA6010B	1	mg/kg	2	14	24	----	----
Zinc	USEPA6010B	1	mg/kg	11	57	30	----	----