CERTIFICATE OF ANALYSIS

Work Order	: **KL2002506**	Page	: 1 of 2
Client	: **SMHB SDN BHD**	Laboratory	: ALS Technichem (M) Sdn. Bhd.
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Telephone	: ----	Telephone	: +60175552985
Facsimile	: ----	Facsimile	: +603 7845 8258
Project	: ENVIRONMENTAL MONITORING AT PULAU INDAH, KLANG	QC Level	: ALS Malaysia Standard Quality Schedule
Order number	: ----	Date Samples Received	: 26-Feb-2020 18:00
C-O-C number	: ----	Date Analysis Commenced	: 03-Mar-2020
Sampler	: CHOO, HUSNI	Issue Date	: 17-Mar-2020 18:05
Site	: PULAU INDAH, SELANGOR		
		No. of samples received	: 3
Quote number	: KL2019SMHB0002	No. of samples analysed	: 3

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

MS ISO/IEC 17025
TESTING
SAMM NO. 147

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	*Position*
YiuLay Lee	Lab Manager - Environmental (IKM No: M/2712/4566/04/08)

*Please direct all technical queries to the laboratory (Reports.KL@alsglobal.com)

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
ø = 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.
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- J.P. Lodge 407_Reagent Matrix: 3%H2O2 + 0.3%H2SO4
- J.P. Lodge 704C_Reagent Matrix: 3% H2O2 + 0.6% HCL
- Result < LOR = Not Detected (ND)
- Where moisture determination has been performed, results are reported on a dry weight basis.

Analytical Results

Sub-Matrix: **AIR**

		Client sample ID		**A1**	**A2**	**A3**	**----**	**----**
		Sampling date/time		**F1812, F1811** 24-Feb-2020 00:00	**F1813, F1814** 24-Feb-2020 00:00	**F1815, F1816** 24-Feb-2020 00:00	----	----
Compound	*Method*	*LOR*	*Unit*	**KL2002506-001**	**KL2002506-002**	**KL2002506-003**	**--------**	**--------**
Particulate Matters								
Particulate Matter PM10	USEPA M IO 1	1.39	µg/m³	6.94	22.2	26.4	----	----
Particulate Matter PM2.5	USEPA M IO 1.1	1.39	µg/m³	5.56	19.4	23.6	----	----
Inorganic gases and Inorganic acid mists								
Carbon Monoxide as CO	In situ Measure	0.1	µg/m³	<0.1	<0.1	<0.1	----	----
Nitrogen Dioxide as NO2	J.P.Lodge407	0.1	mg/L	<0.1	<0.1	<0.1	----	----
ø Ozone	J.P.Lodge819	163	µg/m³	<163	<163	<163	----	----
Sulfur Dioxide as SO2	J.P.Lodge704C	0.1	mg/L	502	58.3	1.1	----	----