

CERTIFICATE OF ANALYSIS

Work Order : KL2002628 Client : SMHB SDN BHD Contact : TANG YY-SAN Address : 38, JALAN 1/76D DESA PANDAN KUALA LUMPUR 55100 E-mail : tangys@smhb.com Telephone : ---- Facsimile : ---- Project : ENVIRONMENTAL MONITORING AT PULAU INDAH, KLANG Order number : ---- C-O-C number : ---- Sampler : CHOO, HUSNI Site : WESTPORT PHASE II DEVELOPMENT Quote number : KL2019SMHB0002	Page : 1 of 2 Laboratory : ALS Technichem (M) Sdn. Bhd. Contact : AbdulQaiyum Musa Address : WISMA ALS, 21, Jalan Astaka U8/84, Bukit Jelutong Shah Alam Selangor Malaysia 40150 E-mail : AbdulQaiyum.Musa@alsglobal.com Telephone : +60175552985 Facsimile : +603 7845 8258 QC Level : ALS Malaysia Standard Quality Schedule Date Samples Received : 02-Mar-2020 17:00 Date Analysis Commenced : 05-Mar-2020 Issue Date : 11-Mar-2020 15:28 No. of samples received : 5 No. of samples analysed : 5
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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

Nazirah Ariffin
 Nuramira Abdmalek
 Nurhidayah Rosli

Position

Lab Supervisor - Environmental (IKM No: M/3878/6603/13)
 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.
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- 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		W4	W5	W6	W7	W8
		LOR	Unit	02-Mar-2020 12:20	02-Mar-2020 11:50	02-Mar-2020 14:40	02-Mar-2020 14:13	02-Mar-2020 15:10
				KL2002628-001	KL2002628-002	KL2002628-003	KL2002628-004	KL2002628-005
Physical and Aggregate Properties								
Moisture Content	APHA2540B	0.01	%	43.5	22.6	41.6	28.3	32.2
Aggregate Organics								
Total Hydrocarbon	APHA5520F	100	mg/kg	<100	<100	<100	<100	<100
Metals and Major Cations - Total								
Arsenic	USEPA6010B	1	mg/kg	5	<1	11	6	9
Cadmium	USEPA6010B	1	mg/kg	<1	<1	<1	<1	<1
Chromium	USEPA6010B	1	mg/kg	11	<1	8	3	6
Copper	USEPA6010B	1	mg/kg	7	2	8	4	6
Lead	USEPA6010B	1	mg/kg	14	3	14	6	9
Mercury	USEPA7471A	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	USEPA6010B	1	mg/kg	8	1	7	3	5
Zinc	USEPA6010B	1	mg/kg	39	7	49	24	32