


NO: SAMM 723

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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	Eralab (KT) Sdn. Bhd. Lot 34099, Tingkat Bawah, Wisma Tengku Ramli, Tepoh Jalan Kelantan 21060 Kuala Terengganu, Terengganu , 21060, TERENGGANU MALAYSIA
	
<b>ACCREDITED SINCE :</b>	06 APRIL 2025
<b>FIELD(S) OF TESTING:</b>	CHEMICAL MICROBIOLOGY

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

<b>CENTRAL LOCATION:</b>	Eralab (KT) Sdn. Bhd. Lot 34099, Tingkat Bawah, Wisma Tengku Ramli, Tepoh Jalan Kelantan 21060 Kuala Terengganu, Terengganu , 21060, Terengganu
<b>FIELD(S) OF TESTING :</b>	CHEMICAL, MICROBIOLOGICAL

**SCOPE OF TESTING : CHEMICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Biological Sample	None	None
Drinking Water Effluent Water	Free Residual Chlorine	In-house Mtd Ref ERAKT/ (W016) based on Method (Thermoscientific Orion/ Colorimeter)
	Total Chromium	HACH Method 8024
Drinking Water River Water	Chloride	HACH Method 8113
	Anionic Surfactants as MBAS	APHA 5540 C
Environmental Monitoring	None	None
	Aluminium	USEPA 6010 D (ICP OES)
	None	None
	Nitrate (as NO <sub>3</sub> <sup>-</sup> or	APHA E

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	Fluoride	APHA & D
	Colour (True & Apparent)	APHA 2120 C
	Total Coliform Count (TCC)	APHA 9221 B
	Total Nitrogen	In-house test method MKA TMO3 by TOC/TN Analyzer
	None	None
	Total Solid	2540 B
	None	None
	None	None
	None	None
	pH value	APHA 4500-H* B Electrometric
	None	None
	None	None
	Particulate Matter	MS 1596: 2003 Determination of
	Heavy Metals:	None
	None	None
	None	None
	Moisture	(i) Gravimetric Method: BS:EN
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Metals	In-house Method PCL-HMW-01
	None	None
	None	None
	Turbidity	APHA 2130 B, 2005
	Turbidity	APHA 2130 B, 2005
	Biochemical Oxygen Demand	APHA 5210 B & C, 2005
	Biochemical Oxygen Demand	DOE 2019, Reference Method,
	pH	APHA 4500 H*B, 2005
	Metals by ICP	None
	Metals by ICP	None
	Metals by ICP	None
	None	In-house method, WI-TEC-S001,
	None	None
	None	None
	None	None
	Determination of Concentration and Mass Flow of Particulate	MS 1596: 2003
	Determination of Total Suspended Particulate Matter in	ASTM: D4096-91 (2003)
	Sound pressure level	Guidelines for Environmental Noise Limits and Control, Third Edition
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	Boron	APHA 4500-B C, 2005 APHA 4500-B C, 2017
	Sulphide	APHA 4500- D, 2005 APHA 4500- D, 2017
	Metal Analysis by ICP-OES	None
	Hydrocarbon	APHA 5520 F 2005
	None	None
	Hydrogen Bromide (HBr)	OSHA Method ID-165SG
	Temperature	APHA 2550 B, 2005
	None	None
	None	None
	Formaldehyde	In-house Method C/WTR/012
	None	None
	Aluminium	None
	Aluminium	None
	Nickel	APHA 3120 B, 24" Edition
	pH	APHA 4500 H*B
	pH	APHA 4500 H*B
	None	None
	None	None
	None	None
	COD	APHA 5220 D
	Heavy Metals	None
	Moisture	EPA Method 9000 (Karl Fischer Titration)
	None	EPA Method 1010 A
	None	Information Circular 8333,
	Total Bacteria Count	Compendium of Methods for the
	Aerobic Plate Count	In-house swab contact method
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
Environmental Monitoring Sewage Water Industrial Wastewater Others (sea Water)	Temperature	APHA 2550B
	pH	APHA - B
	Dissolved Oxygen	APHA 45000-G
	Conductivity	APHA 2510B
	Turbidity	APHA 2130B

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Chlorine	In-house Mtd Ref ERAKT/ (W0015) based on Manufacturer-™s Method (Thermoscientific Orion/ Colorimeter)
	Total Solids	APHA 2540B
	Total Dissolved Solids	APHA 2540C
	Total Suspended Solids	APHA 2540D
	Biochemical Oxygen Demand	APHA 5210B
	Chemical Oxygen Demand	APHA 5220C
	Oil and Grease	APHA 5520B
Industrial Wastewater	Ammoniacal Nitrogen	APHA 4500-NH3C
	None	None
Potable And Domestic Water	Oil & Grease	APHA 5520 D
	Conductivity	APHA 2510B
	Turbidity	APHA 2130B
	Total Chlorine	In-house Mtd Ref ERAKT/
	None	None
	None	None
	None	8000
	Total Hardness as CaCO3	APHA 2340 B
Processed Water Recycled Water	Boron, Cadmium, Chromium, Bromate	APHA 3120 B USEPA 300.1
	Dissolved Oxygen	APHA 45000-G
River Water Effluent	Conductivity	APHA 2510 B
River Water	Chromium Hexavalent	HACH Method 8023
Ground Water	Salinity	In-house Mtd Ref ERAKT/ (W008) based on Method (YSI)
Sea Water	Sea Water	
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Ammoniacal Nitrogen as N	APHA 4500NH3-B&F
	None	None
	None	None
	None	None
(by Calculation)	from Unionised Ammonia Calculator	
Sewage Water	None	None
	None	None
	None	None
	Phosphorus (as P) & Chromium (Cr)	APHA 4500-P B & E
	None	None
	None	Method, Edition, 2005
	5-days Biochemical Oxygen	APHA 5210 B 5-Day BOD Test &

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Biochemical Oxygen Demand	APHA 5210 B
	Nickel (Ni)	None
	Biochemical Oxygen Demand (BOD-5 Days)	APHA 5210 B
	Chemical Oxygen Demand (COD)	APHA 5220 B
	Total Suspended Solid (TSS)	APHA 2540 D
	Total Solid (TS)	APHA 2540 B
	Ammonical Nitrogen (AN)	APHA 4500-NH3C
	Barium, Selenium, Aluminium, Silver	APHA' 3120 B
	Dissolved Oxygen	4500-0 G
	Anionic Surfactants as	5540 C
	Spore of sulfite-reducing	BS EN 26461-2: 1993
Surface Water Ground Water	Temperature	APHA 2550B
Mineral Water	pH	APHA 4500H* - B
Urine, Blood	Total Mercury	USEPA 7473 (Thermal Decomposition,
Water	None	None
	None	None
	None	None
	Ammonical Nitrogen	APHA 4500-NH3
	None	None
	Lead	APHA 3120 B
	Tin	None
	Iron	None
	Heterotropic plate count	APHA 9215 D
	Standard total coliform	APHA 9222 B
	None	None
	None	None
	pH	APHA - B
	Escherichia coli and Coliform	ISO 9308-1:2014 (E) / Enumeration by
	Bisphenol A	In-house test method MKA TMO6 based
	Total Hardness	HACH Method 8226, 8" Edition, 2015
	Hardness by Calculation	APHA 2340 B & In-house test method
	Color	HACH Method 8025, Edition, 2014
	None	None
	None	None
	None	None
	None	None
	None	None
None	None	
Determination of pH	APHA 4500-H* B, 2005	
Determination of chloride	APHA 4500-CI B, 2005	

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of sulphate	APHA B, 2005
	Determination of alkalinity	APHA 2320 B, 2005
	Determination of total solids	APHA 2540 B, 2005
	pH	APHA 4500 H*B
	Color	APHA 2120 C (2017)
	Heterotrophic Plate Count	APHA 9215 B (2017)
	Standard Total Coliform	APHA 9221 B (2017)
	Escherichia coli	APHA 9221 F (2017)
	Examination for Legionella spp.	AS/NZS 3896:2008
	pneumophila	None
	Staphylococcus aureus count	APHA 9213 B (2017)
	Fecal Streptococcus	APHA 9230 C (2017)
	Pseudomonas aeruginosa	APHA 9213 F (2017)
	Identification of Escherichia coli	In-house Method GPS/QA/TM/001
	Identification of Shiga-toxigenic	In-house Method GPS/QA/TM/004
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Ammonia	ASTM D1293
	None	None
	None	None
	None	None
	and Escherichia coli	None
	None	filtration)
	Clostridium perfringens	ISO 14189: 2013 (E)
	None	None
	None	None
	None	None
	None	(2005)
	None	21% Edition (2005)
	Colour	APHA 2120 C 2005
	Determination of Volatile	Method EPA 524.2 By Purge & Trap
	Oxygen Demand (COD) for High	APHA Method 5220D
	None	In-house Method JKM W 0502,
	None	on APHA 4110 B-"lon
	Colony Count at 36°C	JKM M 2038, ISO 6222:1999 (E)
	Intestinal Enterococci	i) WI 16 -" Sample Preparation for
	Enumeration of Clostridium	JKM M 2035

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Detection of pathogenic	JKM B 0201 Detection of pathogenic
	Identification and Quantification	JKM B 0406
	pH	APHA - 4500-H B
	None	None
	None	None
	None	None
	None	None
	Boron	HACH METHOD 8015
	None	None
	E. coli	APHA 9221 F (MPN Method)
	None	None
	Total Organic Carbon	APHA 5310 C
	Heterotropic plate count	APHA 9215 B, 22"4 Edition (2012)
	None	(Membrane Filtration Technique)
	None	None
	Metals by ICP	None
	None	None
	None	None
	None	None
	None	None
	None	None
	pH	ASTM D 1293-2005 (Method B) APHA 4500 H* B 2005/2017
	pH	ASTM D1293-2005 (Method B) APHA 4500 H* B 2005/2017
	None	None
	Turbidity	APHA 2130B
	On-site Sampling & Testing (pH Temperature, Turbidity)	In-house Method SOP-0222-2001 & SOP-0222-2003
	Coliform	APHA 9221 B, Edition, 2005
	Heterotropic plate count in	APHA Method 9215 D, Edition,
	None	None
	None	None
	pH Value	BS 1377-3 : 2018 Clause 12
	pH Value	BS 1377-3 : 2018 Clause 12
	None	None
	Calcium Hardness as CaCO <sub>3</sub> , Magnesium (by Calculation Method)	APHA 3500-Ca B, 2017 APHA 3500-Mg B, 2017
	Nitrate	APHA E, 2017
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	None	None
	Aluminium	None
	None	None
	Organochlorine Pesticide	APHA 6630 B, Edition
	Ammoniacal Nitrogen	APHA F, 24" Edition
	Arsenic	APHA 3125 B, Edition
	Mercury	In-house method, SGS-TM-ENVI-003, based on APHA 3125 B
	2,4-dichlorophenoxyacetic acid (2,4-D)	In-house method, SGS-TM-02-045, based on Agilent Application Note 5991-5731 EN (LCMSMS)
	Heavy Metals by ICP-MS	None
	Endotoxin	Test for Bacterial Endotoxin, BP 2022
	pH	APHA 4500 H*B
	Oil & Grease	APHA 5520 B
	Color	APHA 2120 B
	Color	APHA 2120 F
	pH	APHA 4500 H* B
	Turbidity	APHA 2130 B
	Conductivity	APHA 2510 B
	None	None
	None	None
	None	None
	Escherichia coli and coliform	ISO 9308-1: 2014 (E) / Enumeration
	Pseudomonas aeruginosa	ISO 16266:2006 (E) / Detection and
	Ammonium nitrogen	BS 6068: Section 2.7:1984 ISO 5664:1984
	Chemical Oxygen Demand	BS 6068: Section 2.34:1988
	Suspended solids	BS 2690-Part 120:1981
	Dissolved solids	BS 2690-Part 121:1981
	None	ASTM D 523-82
	COD	APHA 5220 D
	None	None
	Free Chlorine	APHA' 4500 -" CI G
	Count	(Pour Plate, Spread Plate and
	Anaerobes (Clostridia)	BS 6068-4:9: 1993
	Gross Alpha & Gross Beta	None
	Arsenic as As	None
	Antimony as Sb	None
	Aluminium as Al	None
	Beryllium as Be	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Cadmium as Cd	None
	Chromium as Cr	None
	Lead as Pb	None
	Silver as Ag	None
	Selenium as Se	None
	Thallium as Tl	None
	Mercury as Hg	In-house Method LWI-MWE 037 based on APHA 3112 B by
	Mercury as Hg	Mercury Analyser
	Nitrate	In-house Method LWI-MWE 032 based on HACH Nitrate
	Nitrate	Test Comparator
	Sulfide	HACH Method 8131
	Chlorine, Free Residual	In-house Method LWI-MWE
	Chlorine, Free Residual	034 based on DPD-Palintest
	Chlorine, Free Residual	Test Comparator
	Total Chlorine	In-house Method LWI-MWE
	Total Chlorine	035 based on DPD-Palintest
	Total Chlorine	Test Comparator
	Colour (ADMI)	APHA 2120 F
	Heterotrophic Plate Count	None
	Pseudomonas aeruginosa	In-house Method LWI-MME (APHA) 007
	Pseudomonas aeruginosa	based on APHA 9213 E, 2020
	Escherichia coli and Coliform	Escherichia coli and Coliform Bacteria. Part 1: Membrane filtration
	Escherichia coli and Coliform	method
	Escherichia coli and Coliform	Method No: MOH (1)
	Escherichia coli and Coliform	ISO 29981 : 2010 (E), IDF 220 :
	Escherichia coli and Coliform	2010 (E) Milk Products -
	None	None
	None	None
	None	None
	None	None

## SCOPE OF TESTING : MICROBIOLOGY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Distilled Water Mineral Water Potable And Domestic	Escherichia coli	APHA 9221 F (MPN Method)
	Fecal Coliform	APHA 9221 E (MPN Method)
Drinking Water	Fluoride	HACH Method 10225
	Nitrate	HACH Method 8171

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Nitrite	HACH Method 8507
	Phenols	HACH Method 8047
	Phosphorus	HACH Method 8048
	Phosphate	HACH Method 8048
	None	None
	Sulphide,	APHA 4500-S? C & F
	None	None
	None	None
	Chloride	HACH 8113
	Total Plate Count	APHA 9215 B
	None	None
	None	None
	None	None
	Calcium	3120 B
	Cyanide	APHA? 4500 & F
	Formaldehyde	APHA? 6252 B
	Phenol	APHA? 5530 B & C
	Hardness	2340B
	Aluminium (Al)	None
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G,
	Zinc as Zn	APHA 3120 B, (2017)
	None	Multiple-Tube Fermentation
	None	Multiple-Tube Fermentation
	None	None
	None	None
	Temperature	APHA 2550 B
	None	None
	None	None
	Epichlorohydrin	In-house JKM W 0413 by Purge and
	Determination of PAHs in	In-house Method JKM W 0414,
	Organochlorine Pesticides	In-house Method JKM W 0502,
	Determination of Anions by Ion	In-house Method JKM W 0303,
	Coliform and Escherichia coli	JKM M 2032
	Turbidity	APHA - 2130B
	Total Nitrogen as N	APHA - 4500Norg B & APHA -
	Oil & Grease	APHA - 5520B or APHA - 5520D
	Antimony as Sb	Plasma Optical Emission
	Antimony as Sb	None
	Selenium as Se	None
	Fluoride as F	Chromatography with Chemical
	Dichlorobromomethane	None
	None	None
	Organophosphorus Pesticides	In-House No. G11 based on EPA
	Organochlorine Pesticides	EPA 525.3 (GCMS)
	Total Hardness as CaCO3	APHA-2340B
	Poly Aromatic Hydrocarbons	In-House No. G5 (based on World

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Polychlorobiphenyls(PCB)	In-House No. G2 based on EPA
	nC29 to nC35	None
	n-Tetracontane	None
	None	Method)
	Sulphite-reducing Anaerobes	ISO 6461/2: 1986
	Aluminium as Al	None
	None	None
	pH	APHA 4500-H + B, 21% Edition
	Trivalent Chromium	In-House Method SOP-0217-2029
	None	None
	Chloride as Cl	Suppression of Eluent Conductivity
	Conductivity	APHA 2510 B, 21% Edition
	Combined Chlorine as Cl <sub>2</sub>	APHA 4500-Cl G, 21st Edition 2005
	None	None
	Staphylococcus aureus	AOAC OMA 2003.08
	Chlorite (ClO <sub>2</sub> )	In House Method 6023, based on
	None	None
	None	None
	Mineral Oil	APHA 5520 F
	Fluoride	APHA C
	None	None
	Heterotrophic Plate Count	APHA 9215 D
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	126, based on Thermo Fisher Application Noted 154
	Phenol	APHA 6420C, 24" Edition
	None	In-house method SGS-TM-ENVI-W-
	Organochlorine Pesticide	APHA 6630B, 24" Edition
	Conductivity	APHA 2510 B
	None	Boiling Cell Method
	None	QIAGEN Mericon? Bacteria Kit
	None	spp. by Gel Electrophoresis
	None	monocytogenes by Gel
	None	Real Time Polymerase Chain
	and Escherichia coli count	9222 H
	Coliform and Escherichia coli	Presence/absence Technique
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008
	Manganese as Mn	HACH Method No . 8149
	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008
	Manganese as Mn	HACH Method No . 8149
	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	Total Dissolved Solids	APHA 2540. C
	Total Dissolved Solids	APHA 2540. C
Effluent	None	None
	None	None
	None	None
	Aluminium (Al)	None
	None	None
	None	None
	Total Dissolved Solids	APHA - 2540C
	None	APHA - 4500F-B&C
	Metals:	USEPA Method 6010D; Inductive
	Calcium as Ca	HCl Digestion)
	Sulphate as SO4	None
	Nitrite Nitrogen as N	APHA 4110B
	@ 30 °C for 3 Days	None
	None	None
	None	(by calculation)
	None	based on APHA -" 4500 Norg B, 21%
	pH	APHA 4500-H*B
	Temperature	APHA 2550 A, B
	Oxygen (Dissolved)	APHA 4500-0 G
	Free Chlorine	HACH Method 8021
Temperature	APHA 2550 B	
pH	APHA 4500 H*B	
pH	APHA 4500 - H*B	
Ground Water	None	None
	None	None
	Total Suspended Solids (TSS)	APHA 2540 D
	Free Chlorine	HACH 8021, 9 Edition (2014)
	Mercury (Hg)	In-House Method TM/WEP/012 based on Agilent Application Note
	Polynuclear Aromatic	USEPA 3510C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Pseudomonas aeruginosa	APHA 9213 F
	None	None
	None	None
	None	None
	Tin	3120 B
	Magnesium	3120 B
	None	None
	Bacterial Endotoxins	BP 2018, Vol. XIV C, Method C:
	None	None
	pH	APHA 4500-H+ B
	None	None
	None	None
	Temperature	APHA - 2550B
	Fluoride as F	APHA - 4500F-B&D
	Cadmium as Cd	APHA - 3030 E & F (HNO <sub>3</sub> or HNO <sub>2</sub> -)
	Barium as Ba	None
	Sodium as Na	None
	Nitrite as NO <sub>2</sub>	None
	Bromoform	None
	Dimethoate	None
	Gamma-lindane	None
	Acenaphthylene	None
	n-Dotriacontane	None
	(Refer Appendix II)	None
	Total Coliform	APHA - 9221B; 2017 (MPN Method)
	None	and APHA 3500 Cr B, Edition
	Acidity	APHA 2310 B, 2017
	None	None
	None	None
	None	None
	Bromate	S-170 & APHA 4110 B
	None	None
	Color (color units)	APHA 2120 C 2017
	Oil and Grease (Mineral)	APHA 5520 F, 2017
	Metals by Inductively Coupled Plasma	APHA 3120 B
	None	None
	Faecal Coliform	APHA 9222 D
	Lead	None
	None	None
	Endosulfan Hexachlorobenzene	None
	Cobalt	APHA 3120 B, Edition
	(Refer to Appendix 8 for the list of compounds)	Method 8260C: 2006
	BODs at 20°C	APHA 5210 B & G
	None	(Membrane Filtration Method)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
Processed Water	Total Coliform	APHA 9221 B (MPN Method)
Surface Water	Color (ADMI)	APHA 2120 F
River Water	None	None
	None	HACH Method 8039
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Colour ADMI	APHA 2120 F
	Fecal Coliform	APHA 9221 E
	Escherichia coli (Membrane Filter Technique)	APHA 9222 G, Edition, 2005
	Nickel (Ni)	None
	5 Days @ 20°C	23°4 Edition (2017)
	Iron (Fe)	None
	Conductivity	APHA 2510 B
	Temperature (in situ)	In House OEL ? SP/23-01 Based On
	Fecal Coliform	APHA 9222 D
	Colour	APHA - 2120B
	Sulphide	APHA - 4500S-F
	Metals:	APHA - 3120B; Inductive Coupled
	Metals:	USEPA 200.8(ICPMS)
	Nickel as Ni	USEPA 200.8(ICPMS)
	Anions:	APHA - 4110 B; Ion
	Trihalomethanes:	APHA - 6200 B (GCMS)
	Phorate	None
	Beta-lindane	None
	Free Carbon Dioxide	APHA-4500CO2-C
	Acenaphthene	None
	Trichlorophenoxypropionic Acid)	University of Technology (HPLC)
	n-Hentriacontane	None
Heterotrophic Plate Count (35°C)	APHA - 9215B; 2017 (Pour Plate	
None	None	
Uranium (U)	In House Method 0582 based on	
Oil and Grease (Emulsified	APHA 5520 B & F, 2017	
None	None	
Total Phosphorus	USEPA Method 200.7	
Total Phosphate	USEPA Method 200.7	
None	None	
Enumeration of Escherichia coli	APHA 9221 G	
Standard Total Coliform	APHA 9222 B	
Colour (ADMI)	APHA 2120 F, 24" Edition	

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Petroleum Hydrocarbon (C6-C10)	In-house method SGS-TM-ENVI-S- 001 (Solvent Extraction / Purge-and- Trap GC-MS)
	None	018 based on APHA 9222 B (Membrane Filtration)
	Sulphite -" Reducing Anaerobes	ISO 6461/2:1986 (Membrane
	Total Coliform Count	APHA 9222 B
	Total Dissolved Solid	APHA 2540 C
	Barium as Ba	None
	None	None
Seawater	None	None
	Trace Metals (Cr, Mn, Fe, Ni,	JKM E 0413 based on JAAS (J. Anal
	Dissolved/ Dispersed Petroleum	Intergovernmental Oceanographic
Waste Water	None	None
	None	None
	None	APHA 9222 (2017)
	Beta-BHC	None
	Total Suspended Solids	APHA - 2540D
	Mercury as Hg	APHA - 3112B
	Antimony as Sb	Coupled Plasma Optical Emission
	Chromium as Cr	None
	Bromide as Br	None
	Fecal Coliform	APHA - 9221E.1; 2017 (MPN
	Nitrate	APHA 4500 NOs 21° Edition
	None	(by Calculation)
	Formaldehyde	UHPLC based on EPA 1667 Rev. A
	None	APHA 3030 E & APHA 3030 F, 21%
	None	None
	None	None
	None	None
liquor (MLSS)	None	
liquor (MLSS)	None	

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