

## 10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 10-09-2018  
 Accreditation Manager: Atta Subhan



### Testing Laboratory Accreditation No. ATL 0011

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognized International Standard ISO/IEC 17025:2005, "General requirements for the competence of testing and calibration laboratories"

GEO-CHEM MIDDLE EAST- Fujairah Laboratory	
Issue No: 04	Issue Date: 10 September 2018
Address. Ware House No.107-C, Fujairah Free Zone 1, Fujairah, U.A.E Main mailing address: P.O BOX.3026, FUJAIRAH, UAE	Contact: Mr. Joy Sambasivan Tel: 00971 9 2228360 Fax: 00971 9 2228370 Email: <a href="mailto:joy.s@geochemglobal.com">joy.s@geochemglobal.com</a> Web Address: <a href="http://www.geochem.ae">www.geochem.ae</a>

**Locations where testing activities covered by the above Accreditation Standard are undertaken**

1- address: Ware House No.107-C, Fujairah Free Zone 1, Fujairah, UAE
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**For the following scope:**

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ACCREDITED  
**TESTING**  
ISO/IEC 17025:2005  
No. ATL 0011

### Scope:

#### 07. Chemical Testing

7.16 Fuels

7.65 Air

Scope details are as follows:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED
Chemical testing- Fuels	Distillate Marine Fuels (Diesel)	Appearance	Visual, ISO 8217, Section 7.6
		Density @ 15° C	ISO 3675/ ASTM D 1298/ IP160
		Density @ 15° C	ISO 12185/ ASTM D 4052/ IP 365
		Kinematic viscosity @ 40° C	ISO 3104/ ASTM D 445/ IP71
		Pour Point	ISO 3016/ ASTM D 97/ IP15
		Flash Point	ISO 2719 A/ ASTM D93 Methods A and B/ IP34
		Water	ISO 3733/ ASTM D 95/ IP74
		Ash	ISO 6245/ ASTM D482/ IP4

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		Cetane Index	ISO 4264/ ASTM D 4737/ IP 380
		Sulfur	ISO 8754/ ASTM D 4294/ IP336
		Hydrogen Sulphide	IP 570/ ASTM D 7621 Method B
		Acid Number	ASTM D 664/ IP 177
		Total Sediment by Hot filtration	ISO 10307-1/ ASTM D 4870/ IP375
		Carbon Residue micro method on the 10% volume distillate residue	ISO 10370/ ASTM D 4530/ IP398
		Carbon Residue micro method	ISO 10370/ ASTM D 4530/ IP398
		Distillation	ISO 3405/ ASTM D86/ IP123
	Residual Marine Fuels (Fuel Oil)	Density @ 15° C	ISO 3675/ ASTM D 1298/ IP160
		Density @ 15° C	ISO 12185/ ASTM D 4052/ IP 365
		Kinematic viscosity @ 50° C	ISO 3104/ ASTM D 445/ IP71
		Kinematic viscosity @ 100° C	ISO 3104/ ASTM D 445/ IP71
		Pour Point	ISO 3016/ ASTM D 97/ IP15
		Flash Point	ISO 2719 B/ ASTM D93 B/ IP34
		Water	ISO 3733/ ASTM D 95/ IP74
Ash	ISO 6245/ ASTM D482/ IP4		
CCAI	ISO 8217, Annex F method		

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		Sulfur	ISO 8754/ ASTM D 4294/ IP336
		Hydrogen Sulphide	IP 570/ ASTM D 7621 Method B
		Acid Number	ASTM D 664/ IP 177
		Total Sediment Aged	ISO 10307-2 B/ ASTM D 4870 B / IP 390 B
		Total Sediment Potential	ISO 10307-2 A/ ASTM D 4870A
		Carbon residue: Micro method	ISO 10370/ ASTM D 4530/ IP398
		Aluminium	IP 470/ IP501
		Calcium	IP 470/ IP501
		Silicon	IP 470/ IP501
		Sodium	IP 470/ IP501
		Vanadium	IP 470/ IP501
		Zinc	IP 470/ IP501
		Iron	IP501
		Nickel	IP501
Phosphorous	IP501		
Chemical Testing- Air	Ambient and Indoor Air quality	Total Suspended Particulates, TSP	USEPA 40 CFR part 50 Appendix: B
		PM <sub>10</sub>	USEPA 40 CFR part 50 Appendix: J
		Sulphur dioxide	US EPA equivalent method No. EQS 0775-002:

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			1975
		Nitrogen dioxide	US EPA equivalent method No. EQN 1277-026:1977
		Ammonia	BS EN 60079-29-2: 2015 Electrochemical Sensor
		Hydrogen sulphide	BS EN 60079-29-2: 2015 Electrochemical Sensor
		VOC	BS EN 60079-29-2: 2015 Photo ionization
		Lead	SOP QA/06 in combination with USEPA 40 CFR part 50 Appendix: B/ICP
	Indoor Air Quality	Carbon monoxide	BS EN 60079-29-2: 2015 Electrochemical Sensor
		Carbon dioxide	BS EN 60079-29-2: 2015 NDIR Sensor
	Stack Emission (Fuel Gas)	Total Suspended Particulates	US EPA EMC Method 5
		Carbon dioxide (CO <sub>2</sub> )	ASTM D6522-11
		Carbon monoxide (CO)	ASTM D6522-11
		Oxides of Nitrogen (Nox)	ASTM D6522-11
		Oxygen (O <sub>2</sub> )	ASTM D6522-11
		Sulphur dioxide (SO <sub>2</sub> )	ASTM D6522-11
	Continuous Air Quality Monitoring	Carbon monoxide	USEPA- RFCA-0992-088
		Oxides of Nitrogen	USEPA- RFCA-1292-090

**GAC**

مركز الإعتداف الخليجي  
GCC ACCREDITATION CENTER



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		Sulphur dioxide	USEPA- EQSA-0193-092
		Ozone	USEPA- EQQA-0193-091
		PM10	USEPA- EQPM-0798-122
Miscellaneous materials and products	Noise (Sound)	Noise (Sound Level)	ISO 1996-2016/ <b>ISO 9612:2009</b>

**Note:** the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

**END**

This laboratory is recorded as issuing GAC accredited reports to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen