


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING</p> <p>1459</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>ITS Testing Services (UK) Limited (Sullom Voe Laboratory)</p> <p>Issue No: 029 Issue date: 09 October 2020</p>	
	<p>EnQuest Sullom Voe Terminal Mossbank Shetland ZE2 9TU</p>	<p>Contact: Mr M Moore Tel: +44 (0)1806 243215 Fax: +44 (0)1806 243440 E-Mail: michael.moore@enquest.com Website: www.intertek.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PETROLEUM PRODUCTS and CRUDE OIL	<u>Chemical and Physical Tests</u>	Documented In-House Methods in the Series SVTA-000 LAPM - Laboratory Analytical Procedures Manual MOD - Modified
	Density	SVTA-101 based on IP 365 by Digital Density Meter
	Flash point	IP 34/16 ASTM D93-20 by Pensky-Martens Closed Tester
	Light Hydrocarbon composition	IP 344/88(10) obsolete SVTA-111, Mini Welker method SVTA-112 by Flash method
	Hydrogen Sulfide - in Crude Oil	SVTA 114 Length of stain tube
	Neutralisation number	ASTM D974-14e2
	Total salts content of crude oil	IP 265/13
	Sediment in Crude Oil	ASTM D4807-05(15)
	Sulphur content	IP 336/04(14)
	Vapour pressure	IP 69/01(R14) SVT-ME-01
Water	IP 386/99 ASTM D4928-11	



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<p>WATERS</p> <p>Potable, Leachate (from landfill), Surface water/Fresh water and Groundwater</p>	<p><u>Chemical Tests</u></p> <p>Alkalinity - Total - Caustic</p> <p>Chloride, ion</p> <p>Chlorine - levels 0.02 - 0.5 ppm</p> <p>Glycol</p> <p>Hardness</p> <p>Metals: - Iron</p> <p>Nitrite - Range 0 - 400 mg/L</p> <p>pH</p> <p>Silica - Range 0 - 10 mg/L</p> <p>Total dissolved solids</p>	<p>Documented In-House Methods in the Series SVTA-000</p> <p>SVTA-201 Titration SVTA-202 Titration</p> <p>SVTA-204 Titration</p> <p>SVTA-205 Colourimetric</p> <p>SVTA-206 by Digital Density Meter</p> <p>SVTA-207 titration</p> <p>SVTA-208 UV/Vis</p> <p>SVTA-213 UV/Vis</p> <p>SVTA-209 based on ASTM D1293:Method B - 1999 (2005)</p> <p>SVTA-210 UV/Vis</p> <p>SVTA-216 by Conductivity meter SVTA-217 by Flame Photometry SVTA-218 by Evaporation</p>



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods in the Series SVTA-000
Process waters, Saline/seawater and Trade effluent (to controlled water)	Alkalinity - Total - Caustic of boiler waters	SVTA-201 Titration SVTA-202 Titration
	Chemical Oxygen Demand (COD)	SVTA-226
	Biochemical Oxygen Demand (BOD) - 5 days	SVTA-219
	Chloride, ion	SVTA-204 Titration
	Glycol	SVTA-206 by Digital Density Meter
	Hardness	SVTA-207 Titration
	Metals: - Iron	SVTA-208 UV/Vis
	Nitrite - Range 0 - 400 mg/L	SVTA-213 UV/Vis
	Oil	SVTA-220 Infra red
	pH	SVTA-209 based on ASTM D1293-1999(2005), Test Method B
	Silica - Range 0 - 10 mg/L	SVTA-210 UV/Vis
	Suspended solids	SVTA-214
	Total dissolved solids	SVTA-216 by Conductivity meter SVTA-217 by Flame photometry SVTA-218 by Evaporation



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NATURAL GAS	<u>Chemical Tests</u> Nitrogen, Oxygen, Carbon Dioxide, Methane, Ethane, Propane, iso-Butane, Normal Butane, iso-Pentane, Normal-Pentane, Hexanes+	ASTM D1945-14 (19) by Gas Chromatography
END		