



Certificate of Analysis

EN12916:2006, IP391/07 Cal. Solns A-D

Aromatic Hydrocarbon Test Method for Diesel and Petro/Biodiesel Analysis

**Agilent Part
Number:** 5190-0484

**Kit Lot
Number:** N80893

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

Vial	Lot #	Analyte	CAS#	Purity	Certified Value
5190-0484-A	N80893-A	o-xylene	000095-47-6	98+%	40.0 ± 0.2 mg/mL
		fluorene	000086-73-7	98+%	20.0 ± 0.1 mg/mL
		phenanthrene	000085-01-8	98+%	4.00 ± 0.02 mg/mL
5190-0484-B	N80893-B	o-xylene	000095-47-6	98+%	10.0 ± 0.1 mg/mL
		fluorene	000086-73-7	98+%	10.0 ± 0.1 mg/mL
		phenanthrene	000085-01-8	98+%	2.00 ± 0.01 mg/mL
5190-0484-C	N80893-C	o-xylene	000095-47-6	98+%	2.50 ± 0.01 mg/mL
		fluorene	000086-73-7	98+%	2.50 ± 0.01 mg/mL
		phenanthrene	000085-01-8	98+%	0.501 ± 0.003 mg/mL
5190-0484-D	N80893-D	o-xylene	000095-47-6	98+%	0.500 ± 0.003 mg/mL
		fluorene	000086-73-7	98+%	0.200 ± 0.001 mg/mL
		phenanthrene	000085-01-8	98+%	0.100 ± 0.001 mg/mL

Solvent: n-heptane

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Date of release: 04 March 2014

Date of expiration: 31 March 2016


William J. Lea
Quality Assurance Manager



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Instrument Method Conditions:

Instrument and method conditions used must be fully compliant with the IP391:2006 requirement.

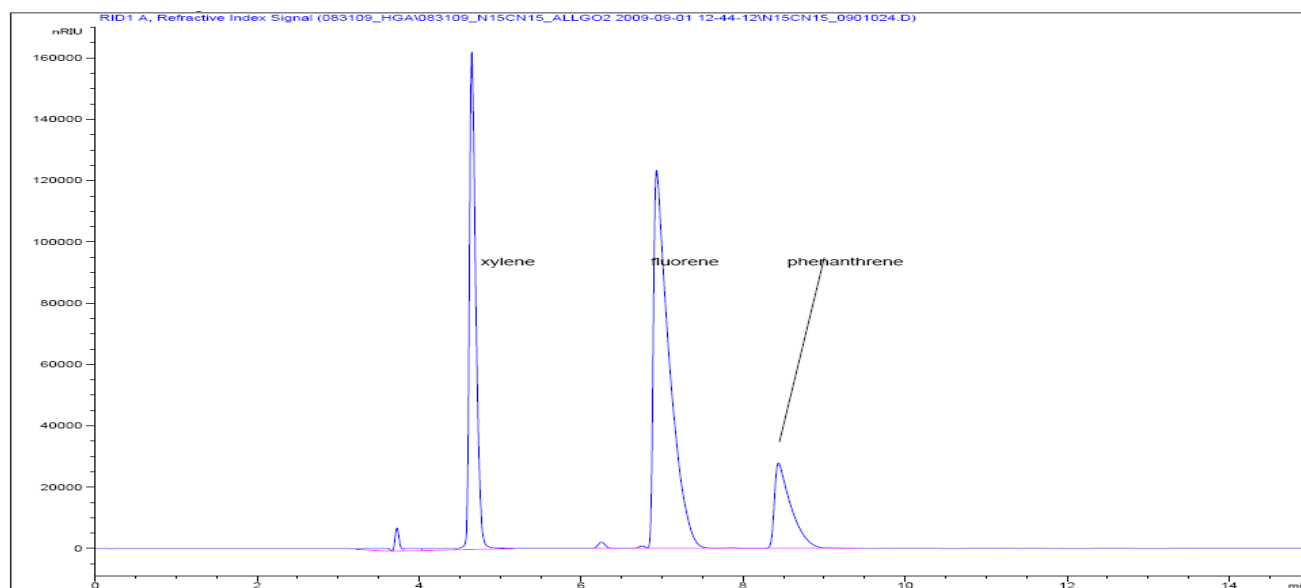
Mobile phase: n-heptane at 1ml/min flow rate

Column: ZORBAX NH2 4.6x150mm, 5um, and ZORBAX (RP) SB-CN 4.6x150mm, 5um, in series

Column Temperature: 25°C

Detector: Refractive Index, 35°C

Example Signal Trace




William J. Lea
Quality Assurance Manager