



CERTIFIED WEIGHT REPORT

Part Number: 70016
Lot Number: 080816
Description: Aroclor 1221

Solvent(s): Methanol
Lot# DP303

Expiration Date: 080826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11

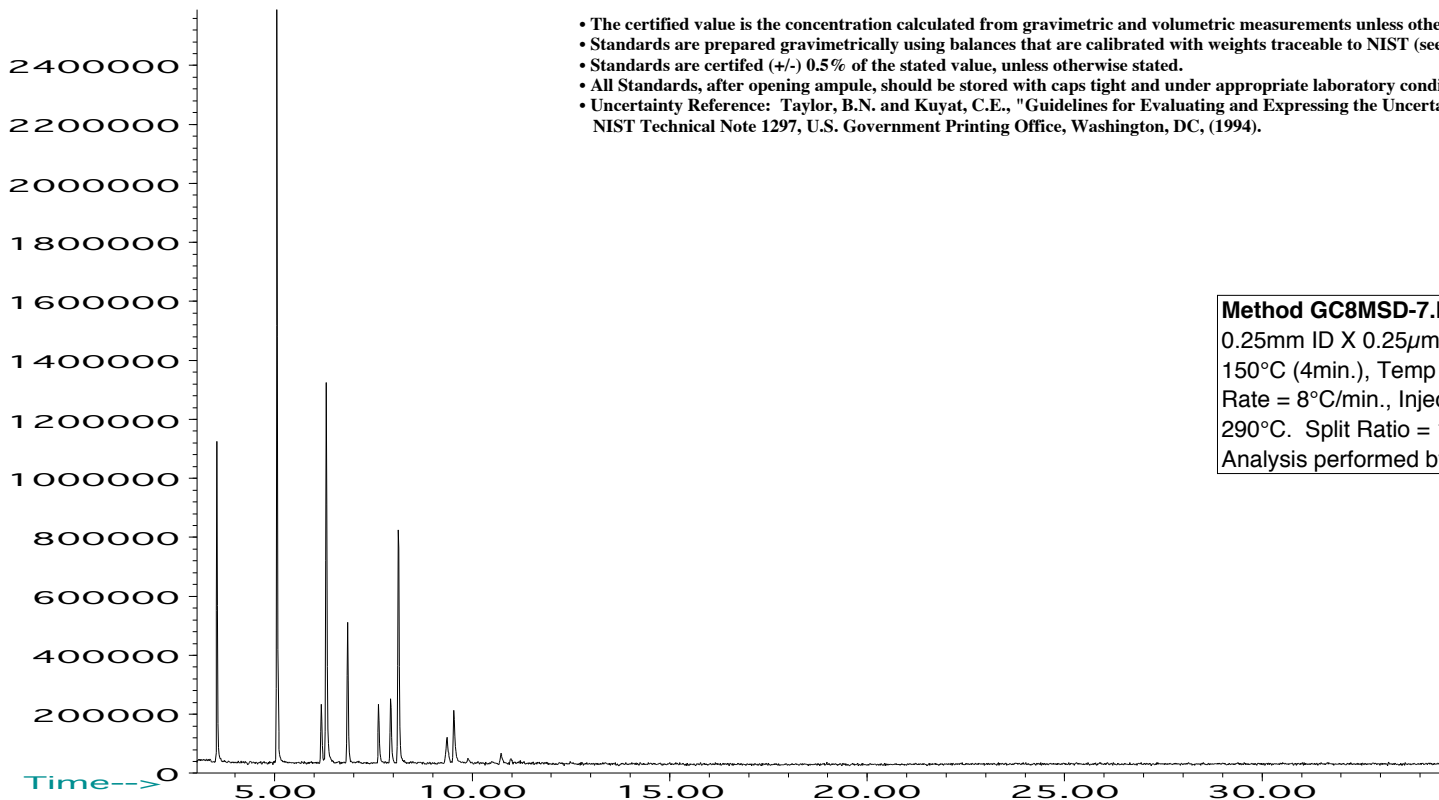
Weight(s) shown below were combined and diluted to (mL): 100.0 0.006
5E-05 Balance Uncertainty
Flask Uncertainty

<i>Bryson</i>		080816
Formulated By:	Bryan Njeba	DATE
<i>Pedro L. Rentas</i>		080816
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	MSDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1221	16	27-20E	1000	100	0.5	0.10001	0.10010	1000.9	10.1	11104-28-2	N/A	ori-rat 3980 mg/kg

Abundance

TIC: 70016.D



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC8MSD-7.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13111009.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2.
Analysis performed by Gina McLane

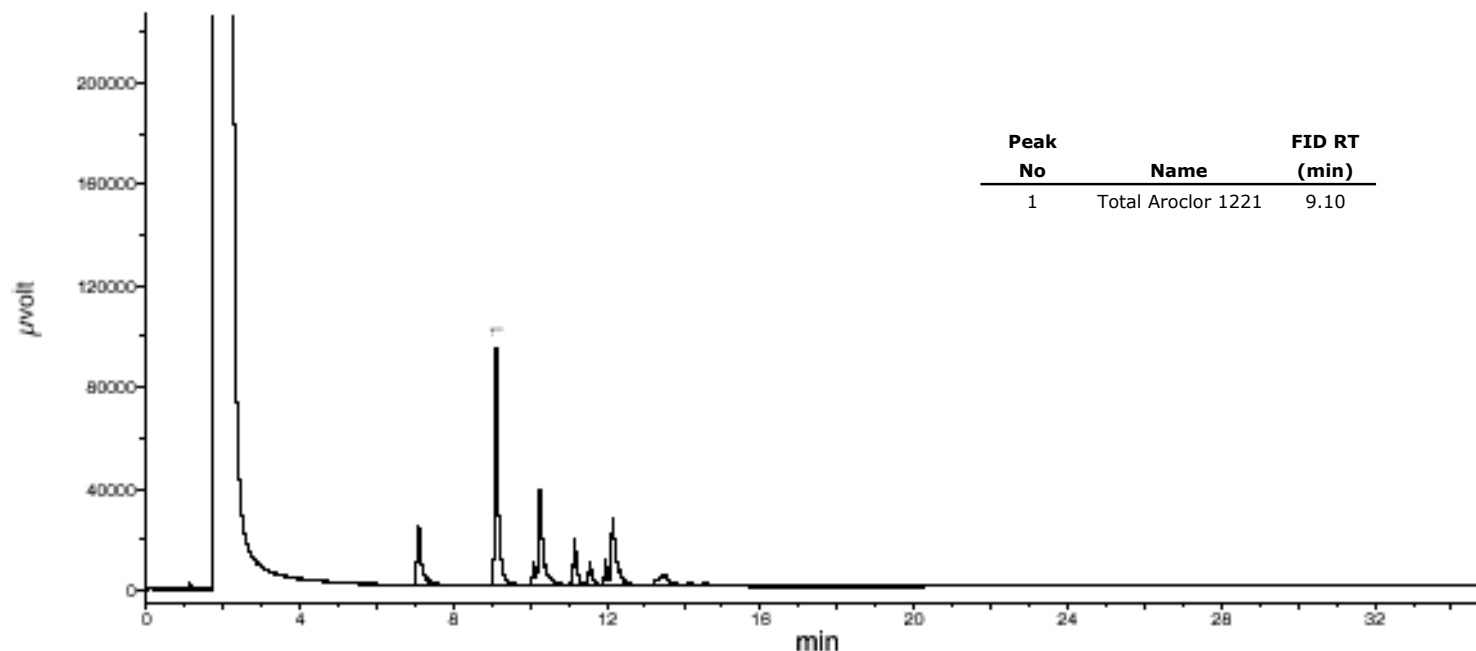


Run 22, "P70016 L080816 [1000µg/mL in methanol]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Aug 11, 2016 at 12:54:13 AM.
Sampled: Sequence "081016-GC14M1", Method "GC14-M1".
Analyzed using Method "GC14-M1".

Comments

GC14-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3



Peak No	Name	FID RT (min)
1	Total Aroclor 1221	9.10