



CERTIFIED WEIGHT REPORT

Part Number: 70274
Lot Number: 100521
Description: 1,2,4,5-Tetrachlorobenzene

Solvent(s): Methanol
Lot#: EA899-US

Expiration Date: 100531
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

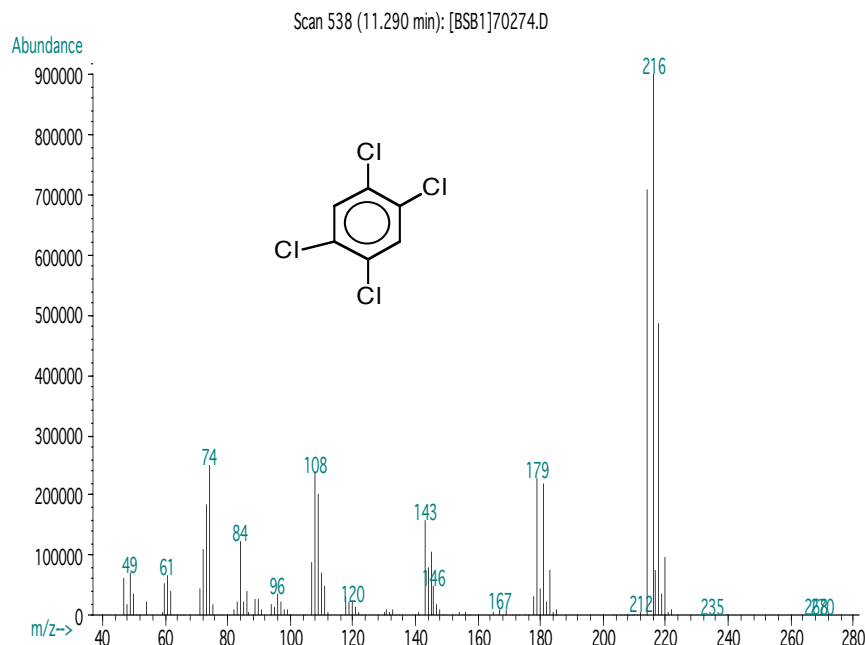
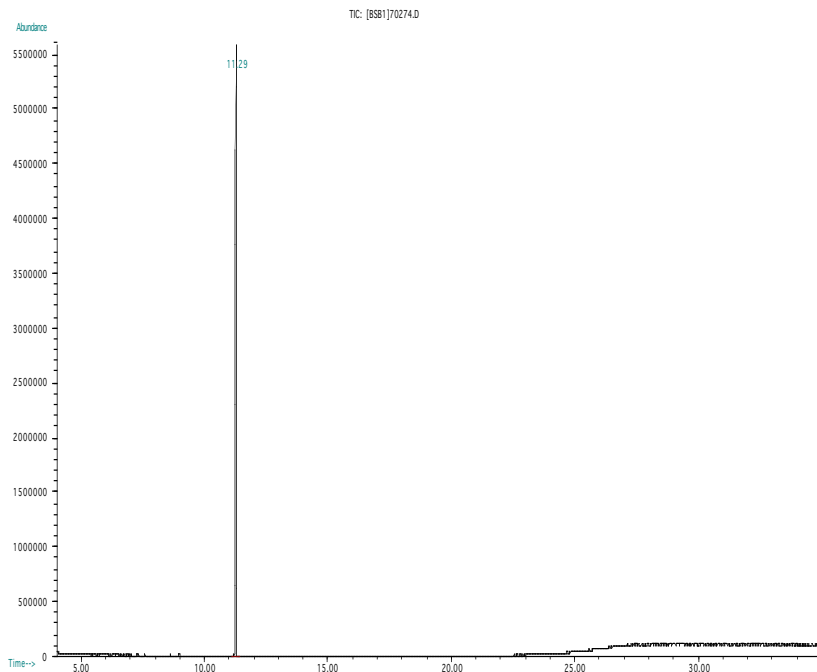
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Balance Uncertainty
Flask Uncertainty

| | | |
|----------------|-----------------|--------|
| | | 100521 |
| Formulated By: | Mario Luis | DATE |
| | | 100521 |
| Reviewed By: | Pedro L. Rentas | DATE |

Expanded **SDS Information**
(Solvent Safety Info. On Attached pg.)

| 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) | CAS# | OSHA PEL (TWA) | LD50 |
|-------------------------------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------------|---------|----------------|-------------------|
| 1. 1,2,4,5-Tetrachlorobenzene | 274 | 10408AS | 1000 | 98.0 | 0.20 | 0.20407 | 0.20431 | 1001.2 | 4.2 | 95-94-3 | N/A | ori-rat 1500mg/kg |

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- 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).

**Run 17, "P70274 L100521 [1000µg/mL in MeOH]"**

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Mon, Oct 11, 2021 at 9:36:03 PM.
Sampled: Sequence "100821-GC4M2", Method "GC4-M2".
Analyzed using Method "GC4-M2".

Comments

GC4-M2 Analysis by Candice Warren

Column ID SPB-5 L#60062-01A 30 meter x 0.53mm x 1.5µm Film Thickness.

Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.

Hydrogen (detector) = 30 mL, Air (detector) = 360 mL Oven Temp 1 = 50°C (1 min).

Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.

FID Temp = 300°C, FID Signal = eDaq Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3

