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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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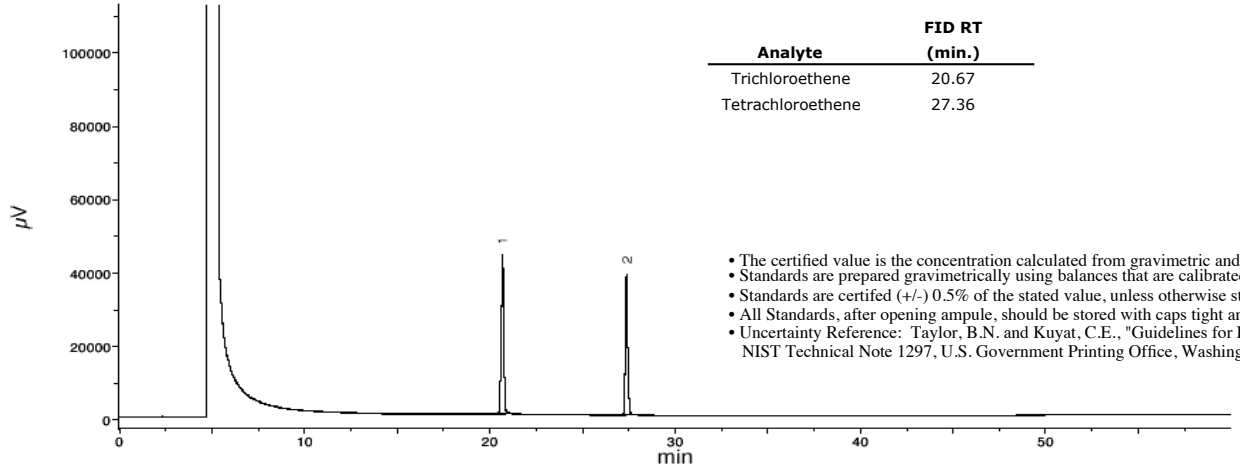
CERTIFIED WEIGHT REPORT

Part Number:	**95124**	**Solvent:**	**Lot#**	
Lot Number:	083120	Methanol	DX932-US	
Description:	2 VOC Mix			
	2 components			
Expiration Date:	083125			
Recommended Storage:	Refrigerate (4 ºC)			
Nominal Concentration (µg/mL):	1000			
NIST Test ID#:	23060	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		50.0	0.007	Flask Uncertainty

		083120
Formulated By:	Mario Luis	DATE
		083120
Reviewed By:	Pedro L. Rentas	DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Tetrachloroethene	32411	012720	0.05	2.50	0.025	20002.1	1000.2	21.1	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
2.	Trichloroethene	32471	013019	0.05	2.50	0.025	20003.3	1000.2	21.1	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg

Comments
GC13-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35˚C (Time 1=10 min.), Temp 2=200˚C (Time 2=8.75 min.),
Rate = 4˚C/min., Total run time=60 min. Injector temp.=200˚C, FID Temp.=200˚C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Analyte	FID RT (min.)
Trichloroethene	20.67
Tetrachloroethene	27.36

- 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 certifed (+/-) 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).