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Certified Reference Material CRM

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number: **54160**
Lot Number: **032522**
Description: **MBAS - Alkylbenzene** (LAS)
Expiration Date: 032525
Recommended Storage: Refrigerate (4 ºC)
Nominal Concentration (µg/mL): **1000**
NIST Test Number: 6UTB

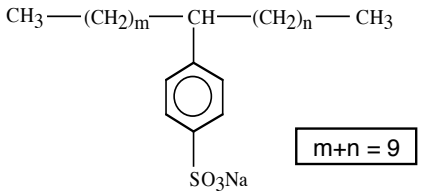
Lot #
Solvent: 032522 ASTM Type 1 Water

5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 4000.3
0.06 Flask Uncertainty

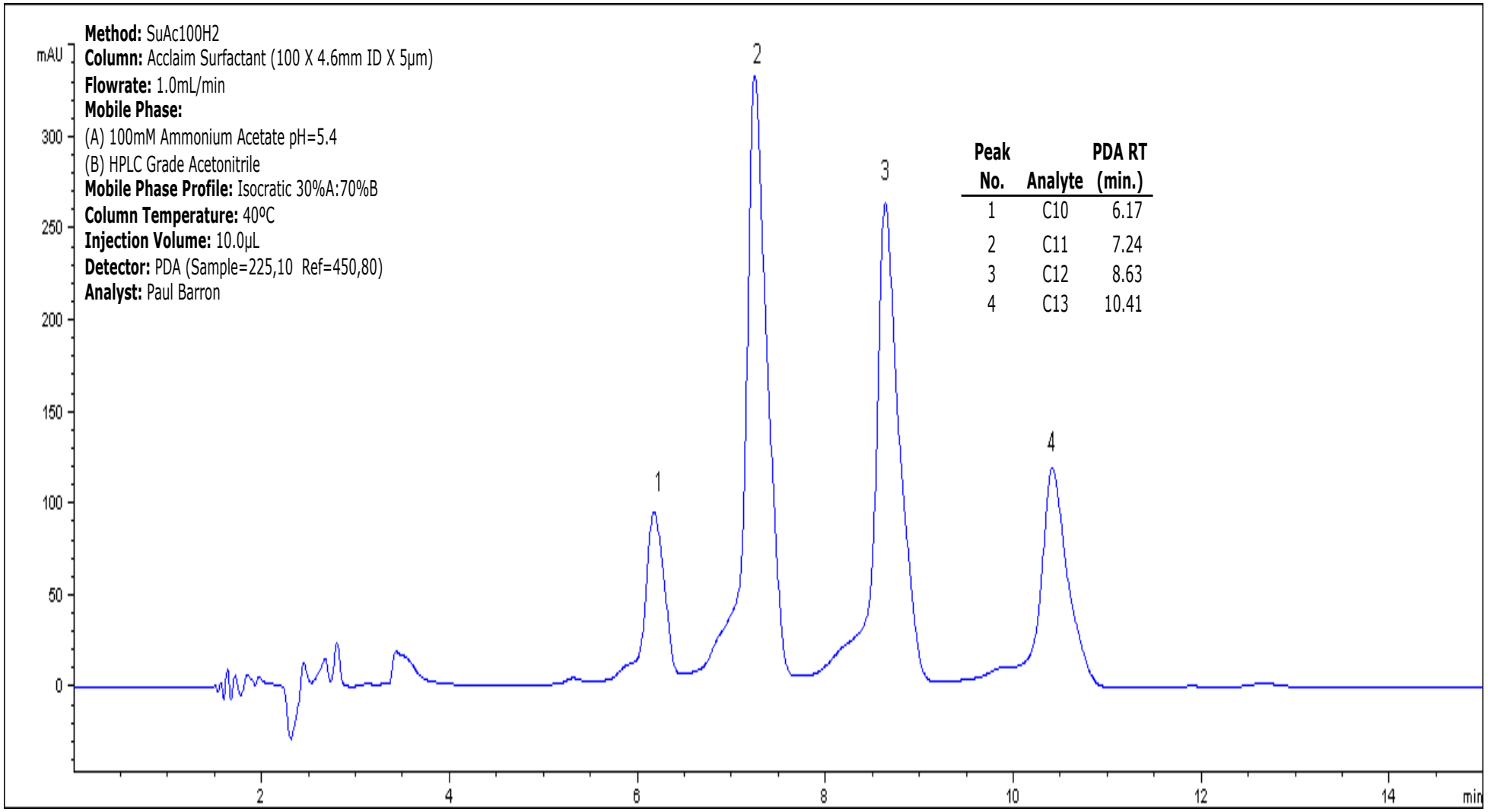
Formulated By:	Giovanni Esposito 032522
Reviewed By:	Pedro L. Rentas 032522

	Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Sodium dodecylbenzenesulfonate (LAS)	IN379	STBJ5732	1000	99.0	0.10	100.0	4.04071	4.04106	**1000.1**	**2.0**	25155-30-0	NA	orl-rat 500 mg/kg	NA

Molecular Weight (average $C_{11.6}$ linear Alkyl chain): 342.4 g/mole. Reference: HERA 2002.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* 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 should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressin the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Peak No.	Analyte	PDA RT (min.)
1	C10	6.17
2	C11	7.24
3	C12	8.63
4	C13	10.41