



Houston Forensic Science Center

INTEROFFICE MEMO

To: Lori Wilson, Quality Director

From: Callan Hundl, Quality Associate
Aimee Grimaldi, Quality Specialist

Date: July 20, 2017

Re: 2017 Semi Annual Blind QC Report

The table below shows the number of blind QC cases that have been created by the Houston Forensic Science Center's Quality Division, dropped into the system like normal casework, and completed by the analysts as blind proficiency tests. During the first half of 2017, all blind QCs were successfully completed blind by the analysts and received satisfactory results.

Section	Dropped	Completed	Satisfactory	No. Completed Blind
Toxicology (Alcohol Analysis)	45	51	Yes	51
Controlled Substances	14	12	Yes	12
Biology	2	1	Yes	1
Firearms Blind QC	3	3	Yes	3
Firearms Blind Verification	9	8	Yes	8
Latent Print Processing	1	1	Yes	1

Note: For firearms blind verifications, the second examiner is aware that they are conducting the verification blind, however the primary examiners conclusions are masked. Therefore, the secondary examiner is making their own conclusions separate and blind from the primary examiner's conclusions. All eight blind verifications were conducted on actual casework.

The tables below depict relevant information such as instruments and reagents used to analyze or process the blind QC cases in each section. The Quality Division tracks this type of information for control purposes. For example, potential trends and variation from headspace 2 or 3 can be charted and investigated for possible causes. This in turn will help HFSC be more proactive about preventing potential drift in instrumentation.

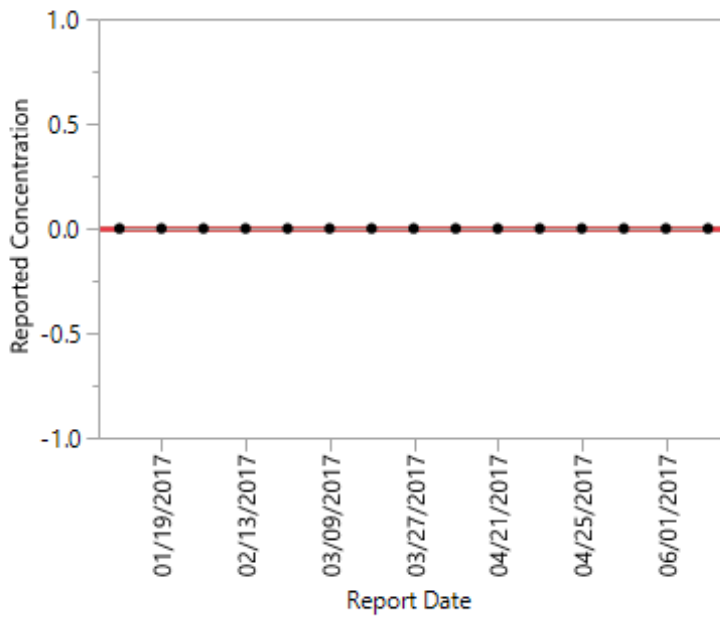
Toxicology

Batches With Blind QCs	Headspace Used	Hamilton Pipette Used
20170109_AAJ	3	7903
20170109_AAJ	3	7903
20170109_AAJ	3	7903
20170112_CLR	2	1742
20170125_CLR	3	7903
20170112_EH	3	7903
ALC_20170206_CLR_HS3	3	7903
ALC_20170213_AAJ_HS2	2	7903
ALC_20170203_AAJ_HS3	3	7903
ALC_20170214_CLR_HS2	2	7903
ALC_20170209_EH_HS3	3	7903
ALC_20170222_EH_HS2	2	7903
ALC_20170222_EH_HS2	2	7903
ALC_20170224_CLR_HS2	2	7903
ALC_20170228_AAJ_HS2	2	7903
ALC_20170228_AAJ_HS2	2	7903
ALC_20170313_CLR_HS2	2	7903
ALC_20170306_AAJ_HS2	2	7903
ALC_20170316_ASG_HS2	2	7903
ALC_20170322_CLR_HS3	3	1742
ALC_20170328_AAJ_HS3	3	1742
ALC_20170328_AAJ_HS3	3	1742
ALC_20170328_AAJ_HS3	3	1742
ALC_20170329_CLR_HS2	2	7903
ALC_20170329_CLR_HS2	2	7903
ALC_20170410_AAJ_HS2	2	7903
ALC_20170404_CLR_HS2	2	7903
ALC_20170412_CLR_HS2	2	7903
ALC_20170417_AAJ_HS2	2	7903
ALC_20170419_CLR_HS2	2	7903
ALC_20170421_AAJ_HS2	2	7903

ALC_20170504_AAJ_HS2	2	1742
ALC_20170503_CLR_HS2	2	7903
ALC_20170509_CLR_HS2	2	1742
ALC_20170511_AAJ_HS2	2	1742
ALC_20170516_CLR_HS2	2	1742
ALC_20170523_CLR_HS3	3	1742
ALC_20170530_EH_HS2	2	1742
ALC_20170530_CLR_HS3	3	7903
ALC_20170531_AAJ_HS3	3	1742
ALC_20170602_CLR_HS3	3	1742
ALC_20170606_EH_HS2	2	1742
ALC_20170616_EH_HS3	3	1742

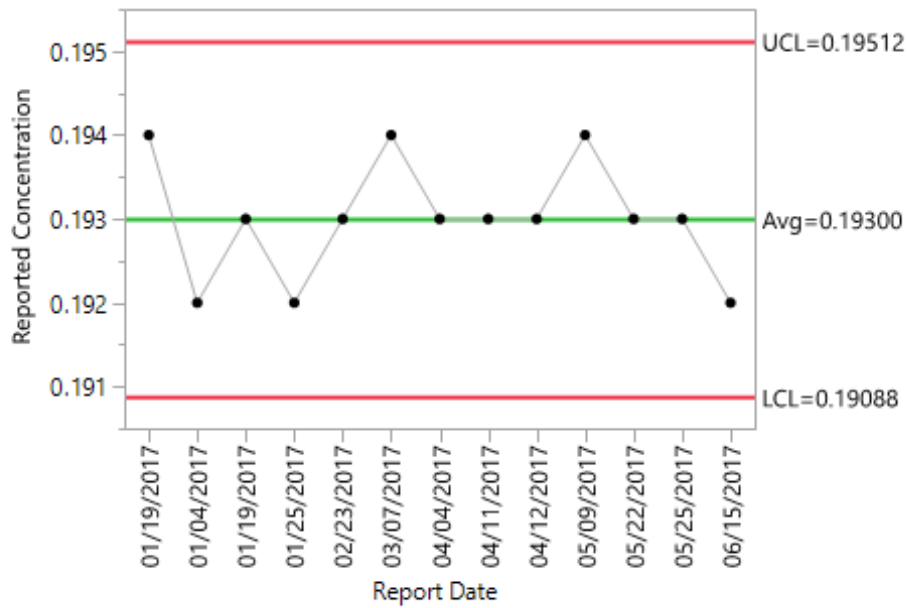
Control Chart Expected Concentration Code=0

Levey Jennings of Reported Concentration



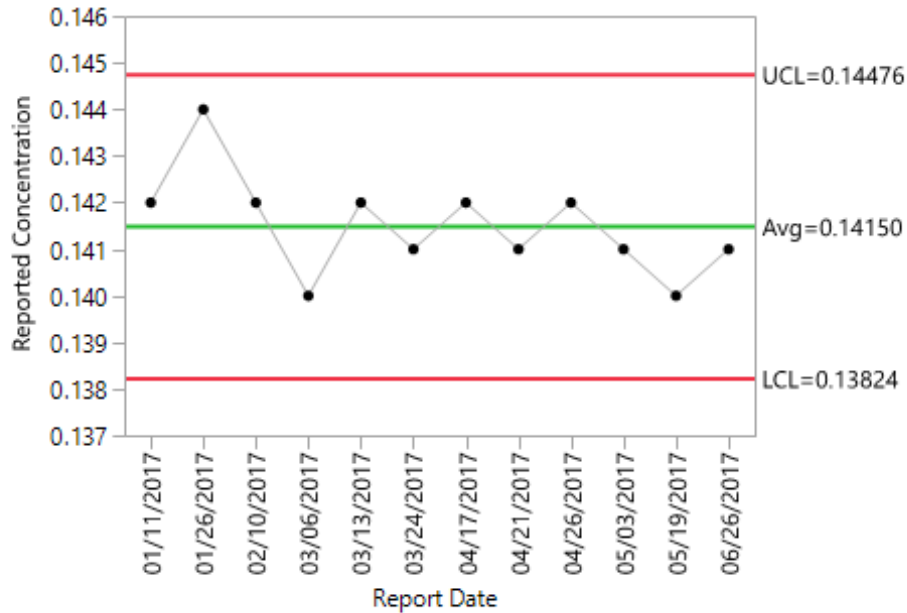
Control Chart Expected Concentration Code=0.2

Levey Jennings of Reported Concentration



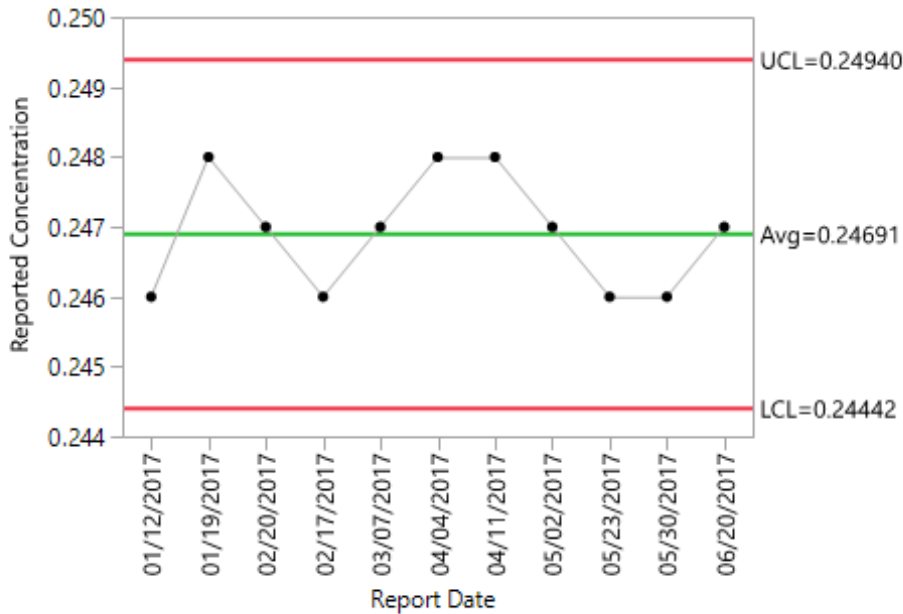
Control Chart Expected Concentration Code=0.15

Levey Jennings of Reported Concentration



Control Chart Expected Concentration Code=0.25

Levey Jennings of Reported Concentration



Biology

Screening	Extraction	Quantification	Amplification	Load	Analysis & Reporting
Chris Addvensky	Ben Cambridge	India Henry	India Henry	Adam Vinson	Mary Symonds
Phenolphthalein B Lot # 15-0079	EZ 1 D	7500A	Thermocycler 3	3500 A	
Phenolphthalein C Lot # 15-0087	EZ 1 C	Tecan B	Pipettes 22, 26	Pipettes 29, 41, 120	
Sterile water Lot # 010617RS	Pipettes 25, 33, 49	Pipette 34			

Controlled Substances

FTIR/TLC	GCMS	Balance	Spot Tests Conducted	Date of Analysis	Analyst
n/a	Agilent 5	MT 11	Ferricyanide Marquis Cobalt Thiocyanate	3/14/17	Michael Salazar
FTIR Nicolet 4700	Agilent 5	MT 17	Ferricyanide Marquis Van Urk's Cobalt Thiocyanate	3/15/17	Stephanie Galioto
n/a	Agilent 2	AB 4	Cobalt Thiocyanate	4/18/17	Alaina Anderson
n/a	Agilent 4	AB 4	Cobalt Thiocyanate	4/17/17	Stephanie Galioto
n/a	Agilent 4	MT 6	Marquis	4/18/17	Brook R Knapp

n/a	Agilent 2	MT 14	Marquis	5/4/17	Alaina Anderson
n/a	Agilent 5	MT 3	Cobalt Thiocyanate	4/24/17	Patrick Tynan
n/a	Agilent 4	MT 10	Cobalt Thiocyanate	6/5/17	Mariam Kane
n/a	Agilent 2	AB 5	Cobalt Thiocyanate	6/5/17	Angelica Noyola
n/a	Agilent 5	AB 4	Cobalt Thiocyanate	6/12/17	Alaina Anderson
TLC	Agilent 2, 5	AB 5	Cobalt Thiocyanate	6/13/17	Angelica Noyola
n/a	Agilent 5	n/a	Ferricyanide Marquis Van Urk's Colbalt Thiocyanate	6/14/17	Brook R Knapp

Firearms Blind QC

Comparison	Microscope	Primary Examiner Result	Second Analyst Result	Caliper	Primary Examiner	Second Examiner
1	4	Identification	Identification	n/a	Lucy Tea	Chandler Bassett
2	4	Identification	Identification	7		
1	7	Identification	Identification	n/a	Melissa Nally	Kim Downs
1	3	Identification	Identification	2	Kim Zeller	Michelle Ayala
2	3	Identification	Identification	n/a		

Firearms Blind Verification

Forensic Case Number	Agency Case Number	Primary Examiner	Secondary Examiner
191678006	191678006	Kasi Kirksey	Kim Downs
2016-22709	150944416	Chandler Bassett	Kim Zeller
2016-21356	142219816	Lucy Tea	Kaitlyn Bongiorno
2017-02225	013827617	Kaitlyn Bongiorno	Donna Eudaley
2017-04312	026453817	Ryan Hookano	Kasi Kirksey
2016-20112	134531816	Kim Downs	Chandler Bassett
2017-07808	049563017	Michelle Ayala	Lucy Tea
2017-07357	046394517	Kaitlyn Bongiorno	Michelle Ayala
2017-09998	064191317	Melissa Nally	Ryan Hookano

Latent Print Processing

Visual	Process	Process	Date Processed	Analyst
White	CA/R6G	NFP	3/14/17	Kelley Huff