



**Houston Forensic Science Center**  
Comparative and Analytical Division - Toxicology

**Immunoassay Batch Review Checklist**

<b>Batch Name:</b> <i>EIA_20180627B-AAS</i>		<b>Analyst Review</b>	<b>Technical Review</b>
<b>Worklist</b>	Batch name written and item(s) tested for each case listed	✓	✓
	Pipette(s) used listed	✓	✓
	Lot numbers for calibrators, controls, and reagents are listed	✓	✓
	Inventory number(s) listed	✓	✓
<b>Sequence</b>	Verify batch file name is consistent	✓	✓
	Reviewer verified, initialed, and dated sequence	✓	✓
	Verify appropriate calibrator and controls were analyzed, and appropriate controls were run at least after every 10 case samples	✓	✓
	Verify all cases were processed and have data	✓	✓
<b>Magellan Data</b>	Verify average absorbance of blank replicates is above 1.000	✓	✓
	Verify calibrators and controls are acceptable	✓	✓
	Verify case samples are bracketed by acceptable positive controls	✓	✓
	Verify correct method was run	✓	✓
<b>Immunoassay Case Summary Report</b>	Verify absorbance readings on Immunoassay Case Summary Report against Magellan data	✓	✓
	Verify results on Immunoassay Case Summary Report against Magellan data	✓	✓
	Verify analyst, matrix, instrument, and batch name(s)	✓	✓
	Verify forensic case number and item tested	✓	✓
<b>Immunoassay Batch QC Data Worksheet</b>	Verify batch and analyst names	✓	✓
	Verify preparation of calibrators, controls, and reagents	✓	✓
	Verify pipette(s) against those listed on the worklist	✓	✓
	Verify lot numbers and expiration dates of calibrators, controls, and reagents	✓	✓
	Verify kit lot numbers and expirations dates against Drug Standard Database	✓	✓
Verify all quality controls were added to QC Logs		✓	✓
All comments and/or strikethroughs, if any, initialed		✓	✓
All pages contain batch name and are initialed		✓	✓

Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Notes from Technical Review

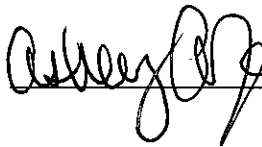
EIA-20180627B-AAJ  
06/28/18

N/A - Enclosed

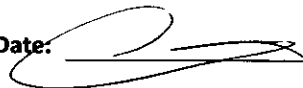
**Analyst Review**

**Technical Review**

Signature/Date:

 6/27/2018

Signature/Date:

 06/28/18



**Houston Forensic Science Center**  
Comparative and Analytical Division - Toxicology

**Immunoassay Batch QC Data**

Batch: EIA-20180627B-AAJ Analyst: Ashley Ann Johnson  
 Matrix:  Blood  Urine  
 Instrument:  Tecan  Tecan-2  
 Pipette(s): 0395 235D  
 Phosphate Buffer Saline Lot Number: 040918-PBS7 Expiration Date: 10/9/18

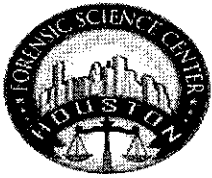
Controls:	Lot Number	Expiration
Blank	<u>E32118</u>	<u>11/18</u>
Negative	<u>041618B-MXN</u>	<u>10/9/18</u>
Calibrator	<u>041618B-MXC</u>	<u>10/9/18</u>
Positive	<u>041618B-MXP</u>	<u>10/9/18</u>

Oxycodone:	Lot Number	Expiration
Negative	<u>n/a</u>	<u>n/a</u>
Calibrator	<u>↓</u>	<u>↓</u>
Positive	<u>↓</u>	<u>↓</u>

	Kit Lot Number	Expiration
Amphetamine	<u>n/a</u>	<u>n/a</u>
Barbiturates	<u>↓</u>	<u>↓</u>
Benzodiazepines	<u>E216701</u>	<u>3/19</u>
Benzoylcegonine	<u>n/a</u>	<u>n/a</u>
Cannabinoids	<u>↓</u>	<u>↓</u>
Carisoprodol	<u>↓</u>	<u>↓</u>

	Kit Lot Number	Expiration
Methadone	<u>n/a</u>	<u>n/a</u>
Methamphetamine	<u>↓</u>	<u>↓</u>
Opiates	<u>↓</u>	<u>↓</u>
Phencyclidine	<u>↓</u>	<u>↓</u>
Zolpidem	<u>↓</u>	<u>↓</u>
Oxycodone	<u>↓</u>	<u>↓</u>

Comments: These samples were originally analyzed in batch EIA-20180620B-AAJ.  
AOJ 6/27/18



Alcohol/Toxicology  
Work List for Ashley Ann Johnson, MS / EIA Blood

6/27/2018 EIA\_20180627B\_AAJ

Priority	Lab Case#/ Item#	Description
1	2018-07961 067217718 Inv. Priority 2.1 one grey top tube	Intoxication Manslaughter (Traffic) ~15mL. DM 6/15/18
2	2018-07721 063079118 Normal 1.1 one grey top tube	Driving While Intoxicated (Liquor)(DWI) ~7mL. DM 6/15/18 HOLD AND. MH 6/22/18 Run BNZ,THC,OPI in order. MH 6/22/18
3	2018-07714 063593718 Normal 1.1 one grey top tube	Driving While Intoxicated - Felony (DWI) ~14mL. DM 6/15/18
4	2018-07928 066429218 Normal 7.1 one grey top tube	Unlawful Carrying Handgun ~15 mL -CLR 6/26/18
5	2018-07981 067744418 Normal 1.1 one grey top tube	Safe Keeping ~14 mL -CLR 6/15/18
6	2018-08454 071626518 Normal 1.1 one grey top tube	Driving While Intoxicated (Liquor)(DWI) ~12mL. DM 6/15/18
Total Tasks		6

11/11/18  
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\*i101 002tV\*

11.872

1

Reanalysis for benzodiazepines 06/27/18

Pipettes 0395, 235D

Buffer 040918-PBS7 1019118

Controls

Blank	032118	11/18
Neg	041618B-MXN	10/9/18
Ctrl	041618B-MXC	↓
Pos	041618B-MXP	

Inw.#

BZ7 3/19

Wednesday, June 27, 2018 2:35:13 PM

Houston

Forensic Science Center Page 1 of 1

EIA\_20180627B\_AAJ PBS: 040918-PBS7 Pipettes: 235D, 0395

	ID	214
1	Blank-1	X
2	Blank-2	X
3	Negative-1	X
4	Negative-2	X
5	Calibrator-1	X
6	Calibrator-2	X
7	Positive-1	X
8	Positive-2	X
9	01_2018-07961_2/1	X
10	02_2018-07721_1/1	X
11	03_2018-07714_1/1	X
12	04_2018-07928_7/1	X
13	05_2018-07981_1/1	X
14	06_2018-08454_1/1	X
15	07_Water_1	X
16	08_Water_2	X
17	09_Water_3	X
18	10_Water_4	X
19	Positive-3	X

*Sequence verified  
emc 06/27/18*

*AAJ*

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: Ashley Ann Johnson  
Batch Name: EIA\_20180627B\_AAJ  
Batch Name:

Instrument: TECAN-2

Forensic Case Number: 01\_2018-07961\_2/1

Matrix: Blood

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: 0.111

RESULT: POS

*This sample was originally analyzed in batch EIA\_20180620B\_AAJ.  
cag 6/27/18*



Reviewed by:



06/28/18

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: Ashley Ann Johnson  
Batch Name: EIA\_20180627B\_AAJ  
Batch Name:

Instrument: TECAN-2

Forensic Case Number: 02\_2018-07721\_1/1

Matrix: Blood

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: 0.1  
RESULT: POS

*This sample was originally analyzed in batch QTA-20180620B-AAJ.  
06/27/18*



Reviewed by



06/28/18

# Houston Forensic Science Center - Toxicology

## Immunoassay Case Summary Report

Analyst Name: **Ashley Ann Johnson**  
 Batch Name: **EIA\_20180627B\_AAJ**  
 Batch Name:

Instrument: **TECAN-2**

Forensic Case Number: **03\_2018-07714\_1/1**

Matrix: **Blood**


CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

**CASE DATA:**

Raw Data: **0.098**  
 RESULT: **POS**

*This sample was originally analyzed in batch EIA\_20180620B\_AAJ. 06/27/18*

*AAJ*

Reviewed by:  06/28/18



Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: Ashley Ann Johnson  
Batch Name: EIA\_20180627B\_AAJ  
Batch Name:

Instrument: TECAN-2

Forensic Case Number: 04\_2018-07928\_7/1

Matrix: Blood

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: 0.126  
RESULT: POS

This sample was originally analyzed in batch EIA\_20180620B\_AAJ  
aug 6/27/18

Reviewed by

  
cclb/s/18

Report Date: 6/27/2018 4:35:38 PM

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: Ashley Ann Johnson  
Batch Name: EIA\_20180627B\_AAJ  
Batch Name:

Instrument: TECAN-2

Forensic Case Number: 05\_2018-07981\_1/1

Matrix: Blood

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: 0.099  
RESULT: POS

*This sample was originally analyzed in batch EIA\_20180620B\_AAJ.  
ay 6/27/18*

*ay*

Reviewed by  6/27/18

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: **Ashley Ann Johnson**  
Batch Name: **EIA\_20180627B\_AAJ**  
Batch Name:

Instrument: **TECAN-2**

Forensic Case Number: **06\_2018-08454\_1/1**

Matrix: **Blood**

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: **1.955**

RESULT: **neg**

*This sample was originally analyzed in batch EIA\_20180627B\_AAJ. 06/27/18*



Reviewed by  06/28/18

Report Date: 6/27/2018 4:35:38 PM

# Houston Forensic Science Center - Toxicology

## Immunoassay Case Summary Report

Analyst Name: **Ashley Ann Johnson**

Instrument: **TECAN-2**

Forensic Case Number: **07\_Water\_1**

Batch Name: **EIA\_20180627B\_AAJ**

Batch Name:

Matrix: **Blood**

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

### CASE DATA:

Raw Data: **2.911**

RESULT: **neg**

  
Reviewed by  06/28/18

# Houston Forensic Science Center - Toxicology

## Immunoassay Case Summary Report

Analyst Name: **Ashley Ann Johnson**

Instrument: **TECAN-2**

Forensic Case Number: **08\_Water\_2**

Batch Name: **EIA\_20180627B\_AAJ**

Batch Name:

Matrix: **Blood**

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

### CASE DATA:

Raw Data: **2.638**

RESULT: **neg**



Reviewed by  06/28/18

Report Date: 6/27/2018 4:35:38 PM

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: Ashley Ann Johnson  
Batch Name: EIA\_20180627B\_AAJ  
Batch Name:

Instrument: TECAN-2


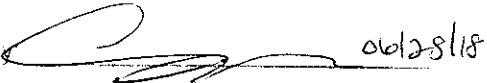
Forensic Case Number: 09\_Water\_3

Matrix: Blood

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: 3.14  
RESULT: neg

  
Reviewed by  06/28/18

Houston Forensic Science Center - Toxicology  
Immunoassay Case Summary Report

Analyst Name: **Ashley Ann Johnson**  
Batch Name: **EIA\_20180627B\_AAJ**  
Batch Name:

Instrument: **TECAN-2**

Forensic Case Number: **10\_Water\_4**

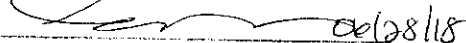
Matrix: **Blood**

CONTROL ID:	Benzodiazepines		
	conc	raw data	raw data mean
Blank-1	0 ng/mL	2.963	3.041
Blank-2		3.12	
Negative-1	10 ng/mL	2.309	2.312
Negative-2		2.316	
Calibrator-1	20 ng/mL	1.427	1.419
Calibrator-2		1.412	
Positive-1	40 ng/mL	1.371	1.308
Positive-2		1.246	
Positive-3		1.344	1.344

CASE DATA:

Raw Data: **3.005**  
RESULT: **neg**



Reviewed by:  06/28/18

**QC Validation criteria**

Exp. Group Num 1  
 QC Validation criteria : Difference data  
 NC1>LPC1 --> TRUE  
 LPC1>PC1 --> TRUE  
 PC1>HPC1 --> TRUE

- 1 Strip method names
- 2 Sample ID 1
- 3 Difference data
- 4 Difference data - Mean
- 5 Difference data - Variation coefficient
- 6 b/b0
- 7 b/b0 - Mean
- 8 Cutoff results

	1	2	3	4	5	6	7	8
02 A1	214	Blank-1	2.963	3.0415 ✓	3.65 ✓	97.419	100	
B1	214	Blank-2	3.12			102.58		
C1	214	Negative-1	2.309	2.3125	0.21404	75.916	76.032	
D1	214	Negative-2	2.316			76.147		
E1	214	Calibrator-1	1.427	1.4195	0.74721	46.918	46.671	
F1	214	Calibrator-2	1.412			46.424		
G1	214	Positive-1	1.371	1.3085	6.7549	45.076	43.022	
H1	214	Positive-2	1.246			40.967		
A2	214	01_2018-07961_2/1	0.111	0.111		3.6495	3.6495	POS
B2	214	02_2018-07721_1/1	0.1	0.1		3.2879	3.2879	POS
C2	214	03_2018-07714_1/1	0.098	0.098		3.2221	3.2221	POS
D2	214	04_2018-07928_7/1	0.126	0.126		4.1427	4.1427	POS
E2	214	05_2018-07981_1/1	0.099	0.099		3.255	3.255	POS
F2	214	06_2018-08454_1/1	1.955	1.955		64.277	64.277	neg
G2	214	07_Water_1	2.911	2.911		95.709	95.709	neg
H2	214	08_Water_2	2.638	2.638		86.734	86.734	neg
A3	214	09_Water_3	3.14	3.14		103.24	103.24	neg
B3	214	10_Water_4	3.005	3.005		98.8	98.8	neg
C3	214	Positive-3	1.344	1.344		44.189	44.189	POS ✓

EIA-20180627B-AAJ