

Urine Drug Analysis Test No. 19-5671 Summary Report

A sample set contained one specimen bottle of human urine for each of the three case scenarios. Participants were requested to examine these items and report their findings. Data were returned from 109 participants and are compiled into the following tables:

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Appendix: Data Sheet

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

The sample sets consisted of a specimen bottle containing 50mL of human urine from three cases, each with an individual case scenario. Participants were requested to analyze the urine samples and report the presence of any drugs/metabolites, any quantitative data obtained (including uncertainty), and the methods used.

SAMPLE PREPARATION: The urine used in this test was from the same lot, which tested negative for a variety of common drugs and controlled substances. A stock solution of each chosen drug was used to spike each item. Items were prepared at separate times with different glassware using the following procedure.

ITEMS 1, 2, and 3 (PREPARATION): Sample preparation consisted of adding a predetermined amount of drug stock solution to a beaker containing human urine, where the equivalent of 2% w/v sodium fluoride was added and then stirred. A 50mL aliquot of the mixture was then transferred into each of the pre-labeled specimen bottles. All bottles were stored in a refrigerator immediately after production and remained there until the sample sets were prepared.

SAMPLE SET ASSEMBLY: A sample set was created by packing Items 1, 2, and 3 together. Each sample set was placed into a Department of Transportation regulated shipping container and returned to the refrigerator until shipment.

VERIFICATION: The laboratories that conducted predistribution analysis of the samples indicated the presence of the expected drugs and/or a minimum of one expected metabolite per drug.

	Item 1	Drug	(Concentration)
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Amphetamine (3,000 ng/mL)

Item 2 Drug (Concentration)

Fentanyl (270 ng/mL) Norfentanyl (1,350 ng/mL) Item 3 Drug (Concentration)

Oxycodone (860 ng/mL) Noroxycodone (1,920 ng/mL) Oxymorphone (470 ng/mL)

Please note that the preparation concentration is the value used for calculations during the test preparation phase and may not necessarily represent the final concentration of the samples. It is advised to wait for the Grand Mean statistics available in the Summary and Individual Reports before evaluating performance.

Summary Comments

This test was designed to allow participants to assess their proficiency in the examination for the presence and concentration of drugs and/or metabolites in urine. Each participant was supplied with one specimen bottle containing 50mL of human urine spiked with differing drugs and/or metabolites for each of the three case scenarios. Participants were asked to report the presence of any drugs/metabolites, any quantitative data obtained (including uncertainty), and methods used. (Refer to the Manufacturer's Information for preparation details.)

There were 108 participants who reported screening results for Item 1. The presence of Amphetamine was reported by 90.7% of these participants while the remaining reported no drugs or metabolites detected. There were 98 participants who performed confirmatory analysis for Item 1. Amphetamine was confirmed by 96.9% of the participants with over a quarter of the participants reporting both d- and I- amphetamine. Three participants did not confirm the presence of any drugs or metabolites.

There were 106 participants who reported screening results for Item 2. The presence of Fentanyl and/or Norfentanyl was reported by 59.4% of these participants while the remaining reported no drugs/metabolites detected. All participants who moved forward with further testing confirmed the presence of Fentanyl and 48 of these also confirmed the presence of Norfentanyl. There were 3 participants who reported the presence of an additional drug/metabolite.

For Item 3, there were 105 participants who reported screening results. Of these, 71.4% reported the presence of at least one drug and/or the Opiate drug class while the remaining reported no drugs/metabolites detected. Participants reporting the opiate drug class and a specific drug were only counted once. All drug responses reported by participants consisted of one or a combination of the following: Oxycodone, Noroxycodone, and Oxymorphone. Confirmatory results for Item 3 showed that all participants reported the presence of at least one of the expected drugs or metabolites. Of the 92 participants who reported confirmatory results, 100% reported the presence of Oxycodone. Some of these participants also reported the metabolites of oxycodone: 47.8% reported Oxymorphone and 4.3% reported Noroxycodone. Only 21.7% of participants confirmed the presence of all three analytes.

For all three items, immunoassay was the most common screening method and GC/MS was the most common confirmatory method utilized to analyze the samples.

For participants that did not include raw data but did report a final concentration in ng/ml based on a single determination, this concentration value was added to the Raw Data table. Due to the small number of participants who reported quantitative information, no grand mean statistics were calculated or determinations regarding "extreme" data made for any of the analytes in the three items.

Screening Results - Item 1

TABLE 1A Item 1

Item Scenario:

Case 1: A 21-year-old male college athlete receiving an annual physical complained of being tired. He reported some weight loss and his blood pressure and pulse were slightly elevated. A urine sample was collected for analysis.

Item Contents and Preparation Concentration:

Amphetamine (3,000 ng/mL)

29RPK9 Amphetamine 2JFCYJ Amphetamines 2N7QJK Amphetamine 2Y6N6Y Amphetamine 3EC6QR Amphetamine 3HCFK7 Amphetamine/MDA 3TFLJE No drugs/metabolites detected 43GABB Amphetamine 4RV8LN Amphetamine 4TRKDM I-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamine were indicative by EIA 4XLINC SMA - Amphetamine 63CDWX No drugs/metabolites detected	
2N7QJK Amphetamine 2Y6N6Y Amphetamine 3EC6QR Amphetamine 3HCFK7 Amphetamine/MDA 3TFLJE No drugs/metabolites detected 43FHVF amphetamine 43GABB Amphetamine 4RV8LN Amphetamine 4TRKDM I-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLINC SMA - Amphetamine	
2Y6N6YAmphetamine3EC6QRAmphetamine3HCFK7Amphetamine/MDA3TFLJENo drugs/metabolites detected43FHVFamphetamine43GABBAmphetamine4RV8LNAmphetamines4TRKDMI-amphetamine4UL9RCAmphetamine Class4WQWAMamphetamines vere indicative by EIA4XLINCSMA - Amphetamine	
3EC6QR Amphetamine 3HCFK7 Amphetamine/MDA 3TFLJE No drugs/metabolites detected 43FHVF amphetamine 43GABB Amphetamine 4RV8LN Amphetamines 4TRKDM I-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
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3TFLJE No drugs/metabolites detected 43FHVF amphetamine 43GABB Amphetamine 4RV8LN Amphetamines 4TRKDM I-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
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43GABB Amphetamine 4RV8LN Amphetamines 4TRKDM I-amphetamine d-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
4RV8LN Amphetamines 4TRKDM I-amphetamine d-amphetamine d-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
4TRKDMI-amphetamine d-amphetamine4UL9RCAmphetamine Class4WQWAMamphetamines were indicative by EIA4XLJNCSMA - Amphetamine	
d-amphetamine 4UL9RC Amphetamine Class 4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
4WQWAM amphetamines were indicative by EIA 4XLJNC SMA - Amphetamine	
4XLJNC SMA - Amphetamine	
63CDWX No drugs/metabolites detected	
6NVD8K amphetamine(s)	
6Z7T7C Amphetamine	
76VRZX Amphetamines	
7DQU2A Amphetamine	
82U4WV class of amphetamines amphetamine	
8QRLME Amphetamines (500 ng/mL cutoff)	
9A7D6A Amphetamine	
9BVQNT Amphetamines	
9NJNVH d-amphetamine, I-amphetamine	
9RGEV3 SMA	
A9MX7Y Amphetamine/MDA	

WebCode	Screening Results
AAXVKG	Amphetamines
ABTJY7	Amphetamines (class), Possible SMA (Amphetamine)
ACM7BA	Amphetamine
ANFPRZ	Amphetamine
AWCH98	No drugs/metabolites detected
ВС4КК6	Amphetamines (Class) Possible Amphetamine (Drug)
BE8BT6	No drugs/metabolites detected
BEMRLC	amphetamines
C39YRB	Amphetamines (500ng/mL cutoff)
CVN4M2	Amphetamines
D68WDN	Amphetamine (ELISA)
D9UAK7	amphetamine
DJG9CC	amphetamines
DMFLWF	amphetamines
DWY69Z	Amphetamine
EHEZK4	AMPHETAMINE
EN4M8W	sympathomimetic amines
EN6BU2	Amphetamine
FAYJL3	Amphetamines
FLR3Z8	Amphetamine
FM2CQJ	Amphetamine
FVVGKK	ELISA Amphetamine
G3DA9P	Amphetamines
GHRDW7	Amphetamine
H3QYC3	Amphetamine
H9H2K9	amphetamines
HEHPTZ	Amphetamine class
HEKDF6	d-amphetamine, l-amphetamine
HGQZP4	Amphetamine
HJJNC6	Amphetamines
HVU72M	Amphetamine
JL29WZ	amphetamine

WebCode	Screening Results
JLYK9U	The specimen screened positive for Amphetamines.
JN67ZZ	amphetamines
KMN97F	Amphetamine/MDA
L2LKDY	Amphetamine class
LCQQB8	Amphetamines (d-amphetamine and l-amphetamine)
LXKUR6	Amphetamines
MFGNUU	Amphetamine class
MFZ7E4	No drugs/metabolites detected
MLAJ3U	No drugs/metabolites detected
MVB432	amphetamines
NVQMMY	amphetamines
P8ZR6E	amphetamines (immunoassay) amphetamine (LCMSMS)
P9TFPV	Amphetamines
PHJ2VT	Stimulant-Amphetamine
PKK88D	No drugs/metabolites detected
PW2P9X	Amphetamines
PWZ2LR	Amphetamine
Q3X7R2	Amphetamine
QNJZJN	Amphetamines
R3DPBD	amphetamines
RTD2HG	Amphetamine
T3FU9M	amphetamine
T6YTKW	Amphetamine
TCMDQX	Amphetamines
TGTAAX	Amphetamine
TNUGVR	amphetamine class
TVWQ2K	Amphetamines
U8PAFQ	amphetamines
U9FK8J	Amphetamine
UMCWFM	No drugs/metabolites detected
V3PKCN	amphetamines
V4K7YM	No drugs/metabolites detected

WebCode	Screening Results	
VBG3HJ	Amphetamine	
VL369R	amphetamines	
VRQPAL	Amphetamine	
VVKNKB	Amphetamines	
WJ9VCV	Indicative: amphetamines	
WRH6ZN	Amphetamine	
WTUYJV	amphetamines	
WUA4DM	No drugs/metabolites detected	
WUPMXK	Amphetamine class	
XWAY9A	Amphetamine/ Methamphetamine	
YDEPNJ	Amphetamines	
YDFDBP	amphetamines	
YE6RT8	amphetamines	
YNW37N	Amphetamine	
YXJZWT	AMPHETAMINE	
Z383EJ	Amphetamine	
ZMEF87	Amphetamine	
ZWJKVF	Amphetamine	
Response Su	ummary for Item 1	Participants: 108

Response Summary for Item 1

Amphetamine or SMA:	98
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No drugs/metabolites detected: 10

Totals may add up to more than the total number of participants because participants can report multiple classes/drug names.

Confirmatory Results - Item 1

What drugs/metabolites were detected in Item 1?

TABLE 1B Item 1

Item Scenario:

Case 1: A 21-year-old male college athlete receiving an annual physical complained of being tired. He reported some weight loss and his blood pressure and pulse were slightly elevated. A urine sample was collected for analysis.

Item Contents and Preparation Concentration: Amphetamine (3,000 ng/mL)

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
29RPK9	Amphetamine	1			
2JFCYJ	d-amphetamine	✓			
	l-amphetamine	\checkmark			
2N7QJK	Amphetamine	1			
2Y6N6Y	Amphetamine	\checkmark			
3EC6QR	Amphetamine	\checkmark			
3HCFK7	Amphetamine	\checkmark			
43FHVF	Amphetamine	\checkmark			
43GABB	Amphetamine	1			
4RV8LN	Amphetamine	✓			
4TRKDM	d-amphetamine	1			
	l-amphetamine	\checkmark			
4UL9RC	Amphetamine	\checkmark			
4WQWAM	d-amphetamine	✓			
	l-amphetamine	\checkmark			
4XLJNC	Amphetamine	\checkmark			
6NVD8K	d-amphetamine	✓			
	l-amphetamine	\checkmark			
6Z7T7C	Amphetamine	\checkmark			
76VRZX	Amphetamine	\checkmark			
7DQU2A	Amphetamine	\checkmark			
82U4WV	d-amphetamine	1			
	l-amphetamine	\checkmark			
9A7D6A	Amphetamine	1			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
9BVQNT	Amphetamine	1			
9NJNVH	d-amphetamine	\checkmark			
	l-amphetamine	\checkmark			
9RGEV3	Amphetamine	1			
A9MX7Y	Amphetamine	1			
AAXVKG	D-Amphetamine	1			
	L-Amphetamine	\checkmark			
ABTJY7	Amphetamine	1			
ACM7BA	Amphetamine	1			
ANFPRZ	Amphetamine	\checkmark			
BC4KK6	Amphetamine	1			
BEMRLC	d-amphetamine	1			
	l-amphetamine	\checkmark			
D68WDN	Amphetamine	1			
D9UAK7	d-amphetamine	\checkmark			
	l-amphetamine	\checkmark			
DJG9CC	Amphetamine	\checkmark			
DMFLWF	d-amphetamine	1			
	l-amphetamine	\checkmark			
DWY69Z	Amphetamine	\checkmark			
EHEZK4	Amphetamine	1			
EN4M8W	Amphetamine	\checkmark			
EN6BU2	Amphetamine	\checkmark			
FAYJL3	Amphetamine	\checkmark			
FLR3Z8	Amphetamine	\checkmark			
FM2CQJ	Amphetamine	1			
FVVGKK	Amphetamine	1			
G3DA9P	Amphetamine	1			
GHRDW7	Amphetamine	1			
H3QYC3	Amphetamine	\checkmark			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
H9H2K9	d-amphetamine	1			
	l-amphetamine	1			
HEHPTZ	Amphetamine		>1000		ng/mL
HEKDF6	d-amphetamine	1			
	l-amphetamine	\checkmark			
HGQZP4	Amphetamine	1			
HJJNC6	d-amphetamine				
	l-amphetamine				
HVU72M	Amphetamine	1			
JL29WZ	Amphetamine	1			
JN67ZZ	Amphetamine	1			
KMN97F	Amphetamine	1			
L2LKDY	Amphetamine		>1000		ng/mL
LCQQB8	d-amphetamine	1			
	l-amphetamine	1			
LXKUR6	d-Amphetamine	1			
	I-Amphetamine	\checkmark			
MFGNUU	Amphetamine		>1000		ng/mL
MFZ7E4	No drugs/metabolites detect	ed			
MVB432	d-amphetamine	\checkmark			
	l-amphetamine	\checkmark			
NVQMMY	d-amphetamine	\checkmark			
	l-amphetamine	\checkmark			
P8ZR6E	d-amphetamine	\checkmark			
	l-amphetamine	\checkmark			
P9TFPV	Amphetamine	1			
PHJ2VT	Amphetamine	1			
PW2P9X	d-amphetamine	1			
	l-amphetamine	1			
PWZ2LR	Amphetamine	1			
Q3X7R2	Amphetamine	1			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
QNJZJN	Amphetamine	1			
R3DPBD	Amphetamine	1			
RTD2HG	Amphetamine		2863	573	ng/mL
T3FU9M	Amphetamine	1			
T6YTKW	Amphetamine	1			
TCMDQX	Amphetamine	1			
TGTAAX	Amphetamine	1			
TNUGVR	d-amphetamine	1			
	l-amphetamine	\checkmark			
TVWQ2K	Amphetamine	1			
U8PAFQ	d-amphetamine	✓			
	l-amphetamine	\checkmark			
U9FK8J	Amphetamine	1			
UMCWFM	No drugs/metabolites detec	cted			
V3PKCN	d-amphetamine	1			
	l-amphetamine	\checkmark			
V4K7YM	No drugs/metabolites detec	cted			
VBG3HJ	Amphetamine	1			
VL369R	d-amphetamine	✓			
	I-amphetamine	\checkmark			
VRQPAL	Amphetamine	1			
WKNKB	Amphetamine	1			
WJ9VCV	d-amphetamine	✓			
	l-amphetamine	\checkmark			
WRH6ZN	Amphetamine	1			
WTUYJV	d-amphetamine	✓			
	l-amphetamine	\checkmark			
WUA4DM	Amphetamine	1			
WUPMXK	Amphetamine	1			
XWAY9A	Amphetamine	1			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
YDEPNJ	Amphetamine		3018		ng/ml
YDFDBP	d-amphetamine	1			
	l-amphetamine	\checkmark			
YE6RT8	Amphetamine	1			
YNW37N	Amphetamine	1			
YXJZWT	Amphetamine		3301.776		ng/ml
Z383EJ	Amphetamine	1			
ZMEF87	Amphetamine	1			
ZWJKVF	Amphetamine	1			
Response Su	mmary for Item 1			Partic	ipants: 98
	A	mphetamine:	121		
	No drugs/metabo	lites detected:	3		
			n the total number of part ort multiple drugs/metabo		

Raw Data - Item 1

List of raw data determinations in ng/mL.

TABLE 1C Item 1

Item 1 Raw Data - Amphetamine Preparation concentration: (3,000 ng/mL)

WebCode	Raw Data	(ng/mL)
HEHPTZ	4,139.8	
L2LKDY	3,003.4	
MFGNUU	2,246.4	
RTD2HG	2,863.0	
YDEPNJ	3,168.6	2,867.5
YXJZWT	3,301.8	

Statistical Analysis for Item 1 - Amphetamine

Please note statistical analysis has not been provided due to the low number of raw data responses.

Reporting Procedures - Item 1

If quantitative analysis was performed, the reported concentrations are:

TABLE 1D Item 1

WebCode	Quantitative Reporting Procedures	
HEHPTZ	A single determination.	
L2LKDY	A single determination.	
MFGNUU	A single determination.	
RTD2HG	A single determination.	
YDEPNJ	The mean of duplicate/several determinations.	
YXJZWT	A single determination.	
Response Su	ummary for Item 1	Participants: 6
	A single determination: 5 (83.3%)	

1 (16.7%)

The mean of duplicate/several determinations:

Methods of Analysis - Item 1

GC/MS ✓ 2JFCYJ Immunoassay ✓ LC/MS/MS ✓ 2N7QJK Immunoassay ✓ GC/MS ✓ ✓ 2Y6N6Y Immunoassay ✓ GC/MS ✓ ✓ SEC6QR GC/MS ✓ SEC6QR GC/MS ✓ SEC6QR GC/MS ✓ SHCFK7 Immunoassay ✓ Immunoassay ✓ ✓ 3TFLIE Immunoassay ✓ Immunoassay ✓ ✓ 43GABB Immunoassay ✓ GC/MS ✓ ✓ 44CK8LN Immunoassay ✓ GC/MS ✓ ✓ GC/MS ✓ ✓ GC/MS ✓ ✓ 4RVBLN Immunoassay ✓ GC/MS ✓ GC/MS ✓	WebCode	Method	Screening	Confirmatory	Quantitation
GC/MS LC/MS/MS LC/MS	29RPK9		\checkmark	1	
GC/MS / 2Y6N6Y Immunoassay / 3EC6QR GC/MS / 3EC6QR GC/MS / 3HCFK7 Immunoassay / 3TFUE Immunoassay / 3TFUE Immunoassay / 3TFUE Immunoassay / 43GABB Immunoassay / 43GABB Immunoassay / 43GABB Immunoassay / 47KKDM Immunoassay / GC/MS / / 41000000000000000000000000000000000000	2JFCYJ	GC/MS	1		
Immunoassay / GC/MS / 3BC6QR GC/MS 3HCFK7 Immunoassay GC/MS / 3TFLIE Immunoassay GC/MS / 43FHVF LC/MS/MS GC/MS / 43GABB Immunoassay GC/MS / 48V8LN Immunoassay GC/MS / 41RKDM Immunoassay LC/MS/MS / GC/MS / 4UL9RC Immunoassay GC/MS / 4WQWAM Immunoassay LC/MS/MS / GC/MS / 4XLJNC Immunoassay GC/MS / GC/MS	2N7QJK		1	1	
BLCOAK GC/NS ' ' SHCFK7 Immunoassay ' GC/MS ' 3TFLIE Immunoassay ' 43FHVF LC/MS/MS ' GC/MS ' 43GAB8 Immunoassay ' 43GAB8 Immunoassay ' 42FKDM Immunoassay ' 4TRKDM Immunoassay ' GC/MS ' 4UL9RC Immunoassay ' 4XLINC ILC/MS/MS ' 4XLINC Immunoassay ' 4XLINC Immunoassay ' 4XLINC ILC/MS/MS ' 4XLINC Immunoassay ' 4XLINC ILC/MS/MS ' 4XLINC ILC/MS/MS ' 4XLINC Immunoassay ' 4XLINC Immunoassay ' 4XLINC ILC/MS/MS ' 4XLINC Immunoassay ' 4XLINC ILC/MS/MS ' 4XLINC ILC/MS/MS ' 4XLINC Immunoassay ' 4XLINC ICMS/MS ' 4XLINC ' 4XLINC ICMS/MS '	2Y6N6Y		1	1	
ATCH V Immunoussay / GC/MS / 3TFLJE Immunoassay / 43FHVF LC/MS/MS / GC/MS / 43GA8B Immunoassay / 44W8LN Immunoassay / GC/MS / 4RV8LN GC/MS / 4RV8LN Immunoassay / LC/MS/MS / 4UL9RC Immunoassay / GC/MS / 4UL9RC Immunoassay / GC/MS / 4UL9RC Immunoassay / GC/MS / 4UL9RC Immunoassay / GC/MS / GC/MS / GC/MS / 4UL9RC Immunoassay / LC/MS/MS / GC/MS / GC/	3EC6QR	GC/MS	✓	1	
A3FHVF LC/MS/MS 43FHVF LC/MS/MS GC/MS ✓ 43GABB Immunoassay GC/MS ✓ 4RV8LN Immunoassay GC/MS ✓ 4TRKDM Immunoassay LC/MS/MS ✓ GC/MS ✓ 4UL9RC Immunoassay GC/MS ✓ 4WQWAM Immunoassay LC/MS/MS ✓ GC/MS ✓ 4UL9RC Immunoassay GC/MS ✓ 4WQWAM Immunoassay LC/MS/MS ✓ GC/MS ✓ 4XLINC Immunoassay GC/MS ✓ 63CDWX Immunoassay LC/MS/MS ✓ GC/MS ✓ 627T7C LC/MS/MS GC/MS ✓	3HCFK7		\checkmark	1	
ISTIM IC/MS / / ISTIM IC/MS / / 43GABB Immunoassay / 4RV8LN Immunoassay / GC/MS / / 4TRKDM Immunoassay / LC/MS/MS / / GC/MS / 4UL9RC Immunoassay / GC/MS / 4UL9RC Immunoassay / GC/MS / 4UL9RC Immunoassay / GC/MS / G	3TFLJE	Immunoassay	\checkmark		
GC/MS ✓ 4RV8LN Immunoassay ✓ GC/MS ✓ ✓ 4TRKDM Immunoassay ✓ LC/MS/MS ✓ ✓ GC/MS ✓ ✓ 4UL9RC Immunoassay ✓ GC/MS ✓ ✓ 4WQWAM Immunoassay ✓ LC/MS/MS ✓ ✓ GC/MS ✓ ✓ 4XLINC Immunoassay ✓ GC/MS ✓ ✓ 63CDWX Immunoassay ✓ GC/MS ✓ ✓ 63CDWX Immunoassay ✓ GC/MS ✓ ✓ 62ZTT7C LC/MS/MS ✓ GC/MS ✓ ✓ 62ZTT7C LC/MS/MS ✓ 76VRZX Immunoassay ✓ 7DQU2A LC/MS/MS ✓ 62/U4WV Immunoassay ✓ LC/MS/MS ✓ ✓ 62/MS ✓ ✓	43FHVF		\checkmark	1	
GC/MS / / 4TRKDM Immunoassay / LC/MS/MS / / GC/MS / 4UL9RC Immunoassay / 4UU9RC Immunoassay / 4WQWAM Immunoassay / LC/MS/MS / GC/MS / 4XLINC Immunoassay / 6C/MS / 63CDWX Immunoassay / 63CDWX Immunoassay / 66XDWX Immunoassay / 66XDWX Immunoassay / 66XDWX Immunoassay / 66XDWX Immunoassay / 67/MS / GC/MS / GC/	43GABB		V	1	
LC/MS/MS GC/MS 4UL9RC Immunoassay GC/MS 4UQWAM Immunoassay LC/MS/MS GC/MS 4XLJNC Immunoassay GC/MS 4XLJNC Immunoassay GC/MS	4RV8LN	-		1	
GC/MS ✓ GC/MS ✓ 4WQWAM Immunoassay LC/MS/MS ✓ GC/MS ✓ 4XLINC Immunoassay GC/MS ✓ 4XLINC Immunoassay GC/MS ✓ 63CDWX Immunoassay 6NVD8K Immunoassay LC/MS/MS ✓ GC/MS ✓ 64ZTT7C LC/MS/MS GC/MS ✓ 66ZTT7C LC/MS/MS GC/MS ✓ 76VRZX Immunoassay GC/MS ✓ 7DQU2A LC/MS/MS LC/MS/MS ✓ LC/MS/MS ✓ GC/MS ✓ GC/MS ✓	4TRKDM	LC/MS/MS	√ √	-	
LC/MS/MS GC/MS 4XLINC Immunoassay GC/MS 4XLINC Immunoassay GC/MS 4XLINC Immunoassay GC/MS GC/MS GC/MS GC/MS GC/MS GC/MS C C C C C C C C C C C C C	4UL9RC		√ √	1	
GC/MS ✓ 63CDWX Immunoassay 6NVD8K Immunoassay LC/MS/MS ✓ GC/MS ✓ 6Z7T7C LC/MS/MS 6Z7T7C LC/MS/MS GC/MS ✓ 76VRZX Immunoassay GC/MS ✓ 7DQU2A LC/MS/MS LC/MS/MS ✓ 4204WV Immunoassay LC/MS/MS ✓ GC/MS ✓ GC/MS ✓	4WQWAM	LC/MS/MS	1	-	
6NVD8K Immunoassay / LC/MS/MS / GC/MS / 6Z7T7C LC/MS/MS / 76VRZX Immunoassay / GC/MS / 7DQU2A LC/MS/MS / 82U4WV Immunoassay / LC/MS/MS / GC/MS /	4XLJNC		\ \	1	
LC/MS/MS GC/MS 6Z7T7C LC/MS/MS 76VRZX Immunoassay GC/MS 7DQU2A LC/MS/MS LC/MS/MS GC/MS 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	63CDWX	Immunoassay	\checkmark		
ZEVINC Levino 76VRZX Immunoassay GC/MS ✓ 7DQU2A LC/MS/MS 82U4WV Immunoassay LC/MS/MS ✓ GC/MS ✓	6NVD8K	LC/MS/MS		√	
GC/MS GC/MS 7DQU2A LC/MS/MS LC/MS/MS GC/MS C	6Z7T7C	LC/MS/MS	1	1	
82U4WV Immunoassay LC/MS/MS GC/MS LC/MS/MS Immunoassay LC/MS/MS Immunoassay LC/MS/MS Immunoassay	76VRZX		1	1	
LC/MS/MS GC/MS J	7DQU2A	LC/MS/MS	1	1	
	82U4WV	LC/MS/MS	1	\ \	
	8QRLME	Immunoassay	✓		

WebCode	Method	Screening	Confirmatory	Quantitation
9A7D6A	GC/MS LC/MS/MS LC-TOF-MS	J J	\checkmark	
9BVQNT	Immunoassay GC/MS	\checkmark	1	
9NJNVH	GC/MS LC/MS/MS Immunoassay	1	✓ ✓	
9RGEV3	Immunoassay GC/MS	\checkmark	1	
A9MX7Y	Immunoassay GC/MS	✓	1	
AAXVKG	Immunoassay GC/MS LC/MS	J	✓ ✓	
ABTJY7	Immunoassay GC/MS	√ √	1	
АСМ7ВА	Immunoassay GC/MS	✓	1	
ANFPRZ	Immunoassay GC/MS	✓ ✓	1	
ВС4КК6	Immunoassay GC/MS	√ √	1	
BE8BT6	Immunoassay	1		
BEMRLC	lmmunoassay GC/MS LC/MS/MS	1	\ \	
C39YRB	Immunoassay	1		
D68WDN	Immunoassay GC/MS	\checkmark	1	
D9UAK7	Immunoassay GC/MS LC/MS/MS	J	√ √	
DJG9CC	Immunoassay LC/MS GC/MS	J	۲ ۲	
DMFLWF	Immunoassay GC/MS LC/MS/MS	/ / /	√ √	
DWY69Z	Immunoassay GC/MS	√ ✓	1	
EHEZK4	GC/MS LC/MS-QTOF	√ √	\checkmark	
EN4M8W	GC/MS Immunoassay	1	\checkmark	

WebCode	Method	Screening	Confirmatory	Quantitation
EN6BU2	Immunoassay GC/MS	\checkmark	1	
FAYJL3	Immunoassay GC/MS	\checkmark	1	
FLR3Z8	Immunoassay GC/MS	√ √	1	
FM2CQJ	Immunoassay GC/MS LC/MS/MS	1	√ ✓	
FVVGKK	Immunoassay GC/MS	1	1	
G3DA9P	Immunoassay GC/MS LC-QTOF	1	√ √	
GHRDW7	GC/MS Immunoassay LC/MS/MS	\$ \$ \$	✓	
НЗQYC3	Immunoassay GC/MS	\checkmark	1	
Н9Н2К9	Immunoassay LC/MS/MS GC/MS	\$ \$ \$	\$ \$	
HEHPTZ	Immunoassay LC/MS/MS	\checkmark	1	1
HEKDF6	Immunoassay GC/MS LC/MS/MS	J	√ √	
HGQZP4	Immunoassay LC/MS/MS	✓ ✓	1	
НЛИС6	Immunoassay GC/MS LC/MS/MS	1	\ \	
HVU72M	Immunoassay LC-QTOF GC/MS	\ \ \	\$ \$	
JL29WZ	LC/MS/MS	1	1	
JLYK9U	Immunoassay	1		
JN67ZZ	Immunoassay GC/MS	1	1	
KMN97F	Immunoassay GC/MS	✓	<i>✓</i>	
L2LKDY	Immunoassay LC/MS/MS	✓	1	1
LCQQB8	Immunoassay GC/MS LC/MS/MS	1	\$ \$	

WebCode	Method	Screening	Confirmatory	Quantitation
LXKUR6	Immunoassay GC/MS LC/MS	✓	\ \	
MFGNUU	Immunoassay LC/MS/MS	1	✓	1
MLAJ3U	Immunoassay	1		
MVB432	Immunoassay LC/MS/MS GC/MS	\checkmark	√ √	
NVQMMY	GC/MS LC/MS/MS Immunoassay	√ √	√ √	
P8ZR6E	Immunoassay LC/MS/MS GC/MS	\ \	✓	
P9TFPV	Immunoassay GC/MS LC/MS/MS	\checkmark	√ √	
PHJ2VT	Immunoassay GC/MS	1	1	
PKK88D	Immunoassay	1		
PW2P9X	Immunoassay LC/MS/MS GC/MS	✓	✓ ✓	
PWZ2LR	LC/MS/MS GC/MS Rapid Chromatographic Immunoassay	✓ ✓	1	
Q3X7R2	Immunoassay GC/MS	1	1	
QNJZJN	Immunoassay GC/MS	\ \	1	
R3DPBD	Immunoassay GC/MS HPLC/qTOF	✓ ✓ ✓	√ √	
rtd2hg	Immunoassay GC/MS	1	<i>✓</i>	1
T3FU9M	Immunoassay GC/MS	✓	1	
T6YTKW	Immunoassay GC/MS	1	1	
	GC/MS Immunoassay	1		
TGTAAX	LC/MS/MS Immunoassay	\checkmark		

Test 19-5671

WebCode	Method	Screening	Confirmatory	Quantitation
TNUGVR	Immunoassay			
	GC/MS		<i>J</i>	
	LC/MS/MS		V	
TVWQ2K	Immunoassay GC/MS	\checkmark	1	
U8PAFQ	Immunoassay	1		
	GC/MS			
	LC/MS/MS		1	
U9FK8J	Immunoassay		,	
	GC/MS	1	1	
UMCWFM	GC/MS		1	
V3PKCN	Immunoassay	\checkmark		
	GC/MS			
	LC/MS/MS		1	
V4K7YM	GC/MS		1	
VBG3HJ	GC/MS	1	✓	
VL369R	Immunoassay	\checkmark		
	GC/MS			
	LC/MS/MS		1	
VRQPAL	Immunoassay	\checkmark	,	
	GC/MS		1	
VVKNKB	Immunoassay	\checkmark	,	
	GC/MS			
	LC-QTOF			
WJ9VCV	GC/MS			
	LC/MS/MS	1	<i>v</i>	
	lmmunoassay			
WRH6ZN	Immunoassay	\checkmark	/	
	GC/MS			
	LC QTOF	/	v	
WTUYJV	Immunoassay GC/MS		1	
	LC/MS/MS	v	1	
WUA4DM	GC/MS			
		/	•	
WUPMXK	Immunoassay GC/MS	v	1	
XWAY9A		/	•	
XVVAT9A	Immunoassay GC/MS	v	1	
YDEPNJ	Immunoassay	/	•	
IULFINJ	Immunoassay LC/MS/MS	v	1	
YDFDBP		./	•	
יסטוטו	Immunoassay GC/MS	♥	1	
	LC/MS/MS	1	✓ ✓	
YE6RT8	Immunoassay		-	
LOKIO	LC/QTOF	Ŧ	1	
	GC/MS		1	

WebCode	Method	Screening	Confirmatory	Quantitation
YNW37N	Immunoassay	1		
	GC/MS	1	1	
YXJZWT	Immunoassay	1		
	LC/MS		1	
Z383EJ	Immunoassay	1		
	GC/MS		1	
ZMEF87	Immunoassay	1		
	LC-QTOF		1	
ZWJKVF	GC/MS	1	1	
	LC/MS/MS	1	1	
Response Sum	mary for Item 1			Participants: 105
		Screening	Confirmatory	Quantitation
	Immunoassay:	92	0	0
	GC/MS:	24	85	1
	LC/MS:	0	4	0
	LC/MS/MS:	17	35	3
	Other:	5	7	0

Additional Comments for Item 1

WebCode	Item 1 - Comments
29RPK9	Caffeine was observed, but is not reported by [Laboratory].
2JFCYJ	Internal standard used: Mepivacaine.
2Y6N6Y	Codeine ions observed
3HCFK7	Mepivacaine (IS)
3TFLJE	Sample screened negative using ELISA for Methamphetamine, Benzodiazepines, Cocaine/BE, Opiates, PCP and Cannabinoids
4TRKDM	Internal standards: mepivacaine and nalorphine.
4WQWAM	internal standard: mepivacaine
6Z7T7C	Internal Standard: Estazolam
76VRZX	LOD 100 ng/mL
82U4WV	Internal standard-mepivacaine
9NJNVH	Internal Standard - Mepivacaine
A9MX7Y	Internal Standards: Amphetamine D-11, Methamphetamine D-11, Mepivacaine. Indications of Methamphetamine and Codeine
AAXVKG	Internal Standard: Mepivacaine
BE8BT6	[Laboratory] screens for the following assays: Assay Type: Target Analyte at Cutoff Level - Amphetamines Assay: d-Methamphetamine at 300ng/mL; Cocaine/Metabolite Assay: Benzoylecgonine at 300ng/mL; Opiates Assay: Morphine at 300ng/mL; Benzodiazepines Assay: Oxazepam at 200ng/mL; Phencyclidine Assay: Phencyclidine at 25ng/mL; and Cannabis Assay: (-)-11-nor-Carboxy-[delta]9-THC at 50ng/mL
BEMRLC	mepivacaine ans nalorphine used as internal standards
D68WDN	Alphaprodine, n-Propylamphetamine, and Hexobarbital used as internal standards. GC/MS LOD: 250ng/mL
D9UAK7	Mepivacaine was the internal standard used for both GC/MS and LC/MS/MS confirmation tests.
DJG9CC	internal standard: mepivacaine
DMFLWF	Mepivacaine used as internal standard
DWY69Z	D8-Amphetamine and other deuterated SMA's
EN6BU2	Screening - Amphethamine, Methamphetamine, Carboxy-THC and Morphine: 20.0ng/mL; Benzoylecgonine and Oxazepam: 50ng/mL. Confirmation - Internal Standard: Phentermine; Cutoff: 2.0mcg/mL
FAYJL3	Hexobarbital, Phenyltoloxamine used as internal reference materials

WebCode	Item 1 - Comments
FLR3Z8	IS-Phenyltoloxamine
FVVGKK	N-Propylamphetamine, alphaprodine, and hexobarbital were used as internal standards. GC/MS LOD for Amphetamine: 250 ng/mL
GHRDW7	internal standard - phenyltoloxamine
H9H2K9	Internal standard used fro all tests - mepivacaine
HEHPTZ	Results are above our upper limit of quantitation (1000ng/mL)
HEKDF6	Mepivacaine,
HGQZP4	Amphetamine (LC/MS/MS). Cut-off: 100 ng/mL. Internal standard: trimipramine-D3
HJJNC6	Mepivacaine used as internal standard.
HVU72M	Internal Standards used for LC-QTOF: Fentanyl-D5, Imipramine-D3, MDMA-D5, Methaqualone-D7, Triazolam-D4.
L2LKDY	Results are above our upper limit of quantitation (1000ng/mL)
LCQQB8	internal standard used was mepivacaine
LXKUR6	Mepivacaine used as internal standard for LC/MS analysis. Mepivacaine and nalorphine used as internal standards for GC/MS analysis.
MFGNUU	Results are above our upper limit of quantitation (1000ng/mL)
MVB432	internal standard - mepivacaine
NVQMMY	Internal standard- Mepivacaine
P8ZR6E	internal standards: mepivacaine, nalorphine
P9TFPV	Internal Standard (Methamphetamine D9)
PHJ2VT	Internal Standard-Phenyltoloxamine
PKK88D	Preliminary testing did not indicated the presence of a drug compound(s). Additional confirmatory testing not pursued.
PW2P9X	D and L isomers of amphetamine were determined using GC/MS by (S)-(-)-N-(trifluoroacetyl)-prolyl chloride (with a purity of at least 95% S-isomer). Mepivacaine is the internal standard used to determine the relative retention time for the compounds reported.
PWZ2LR	Alere iCassette (THC) test device was used to screen for THC, referred to in 1-4 as rapid chromatographic immunoassay. The cutoff concentration for the assay is 50 ng/mL.
RTD2HG	Amphetamine: Internal Standard: Amphetamine-d11, LOD/LOQ: 50 ng/mL
T6YTKW	Internal Standard Diphenylamine. Detection limits 50 ng/mL
U9FK8J	D8-Amphetamine - Internal Standard

WebCode	Item 1 - Comments
V3PKCN	mepivacaine as internal standard
WJ9VCV	internal standard: mepivacaine
WUA4DM	Flurazepam as Internal Standard
YDFDBP	Internal Standards: Mepivacaine
YNW37N	Internal Standard: Phenyltoloxamine
YXJZWT	Internal standard used was PAMP at a concentration of 5000ng/ml
Z383EJ	Phenyltoloxamine Internal Standard used for the base fraction and Heptabarbital use for the acid fraction.
ZMEF87	A GC/MS test was also performed per procedures but was not needed for confirmation. The results of the GC/MS test corroborated the LC-QTOF test. Internal standards used for the LC-QTOF method: Fentanyl-D5, Imipramine-D3, MDMA-D5, Methaqualone-D7, Triazolam-D4
ZWJKVF	Internal Standard: Flurazepam, LOD: 10 ng/mL

Screening Results - Item 2

TABLE 2A Item 2

Item Scenario:

Case 2: A 53-year-old male was pulled over for swerving in and out of lanes, driving significantly under the speed limit. The officer noted that the driver seemed relaxed but confused. His pupils were constricted and there was evidence of possible vomit on his shirt. A urine sample was collected for analysis 60 minutes later.

Item Contents and Preparation Concentration:

Fentanyl (270 ng/mL) Norfentanyl (1,350 ng/mL)

Webcode	Screening Results
29RPK9	Fentanyl
2JFCYJ	No drugs/metabolites detected
2N7QJK	Fentanyl
2Y6N6Y	Norfentanyl Fentanyl
3EC6QR	Fentanyl
3TFLJE	No drugs/metabolites detected
43FHVF	fentanyl norfentanyl
43GABB	Fentanyl
4RV8LN	No drugs/metabolites detected
4TRKDM	fentanyl
4UL9RC	Fentanyl, Norfentanyl
4WQWAM	No drugs/metabolites detected
4XLJNC	Fentanyl, Norfentanyl
63CDWX	No drugs/metabolites detected
6NVD8K	fentanyl
6Z7T7C	Fentanyl Norfentanyl
76VRZX	Fentanyl
7DQU2A	Fentanyl Norfentanyl
82U4WV	fentanyl
8QRLME	No drugs/metabolites detected
9A7D6A	Fentanyl Norfentanyl

Webcode	Screening Results
9BVQNT	No drugs/metabolites detected
9NJNVH	Fentanyl
9RGEV3	Fentanyl Norfentanyl
A9MX7Y	No drugs/metabolites detected
AAXVKG	No drugs/metabolites detected
ABTJY7	Fentanyl, Norfentanyl
ANFPRZ	Fentanyl
AWCH98	No drugs/metabolites detected
ВС4КК6	Fentanyl Norfentanyl
BE8BT6	No drugs/metabolites detected
BEMRLC	No drugs/metabolites detected
C39YRB	No drugs/metabolites detected
CVN4M2	No drugs/metabolites detected
D68WDN	Fentanyl (ELISA)
D9UAK7	No drugs/metabolites detected
DJG9CC	No drugs/metabolites detected
DMFLWF	fentanyl
DWY69Z	Fentanyl
EHEZK4	FENTANYL NORFENTANYL
EN4M8W	fentanyl, norfentanyl
EN6BU2	No drugs/metabolites detected
FAYJL3	No drugs/metabolites detected
FLR3Z8	Fentanyl Norfentanyl
FM2CQJ	Fentanyl
FVVGKK	ELISA Fentanyl
G3DA9P	No drugs/metabolites detected

Webcode	Screening Results		
GHRDW7	fentanyl norfentanyl		
H3QYC3	No drugs/metabolites detected		
H9H2K9	fentanyl		
HEHPTZ	Fentanyl class		
HEKDF6	Fentanyl		
HGQZP4	Fentanyl and norfentanyl		
HJJNC6	Fentanyl		
HVU72M	Fentanyl		
JL29WZ	fentanyl		
JLYK9U	No drugs/metabolites detected		
JN67ZZ	No drugs/metabolites detected		
L2LKDY	Fentanyl class		
LCQQB8	Fentanyl		
LXKUR6	No drugs/metabolites detected		
MFGNUU	Fentanyl class		
MFZ7E4	Fentanyl		
MLAJ3U	No drugs/metabolites detected		
MVB432	fentanyl		
NVQMMY	No drugs/metabolites detected		
P8ZR6E	fentanyl (LCMSMS)		
P9TFPV	No drugs/metabolites detected		
PHJ2VT	Narcotic-Fentanyl Narcotic-Norfentanyl		
PKK88D	No drugs/metabolites detected		
PW2P9X	No drugs/metabolites detected		
PWZ2LR	Fentanyl, Norfentanyl		
Q3X7R2	Fentanyl		
QNJZJN	Fentanyl, Norfentanyl		

Webcode	Screening Results
R3DPBD	fentanyl, norfentanyl
RTD2HG	Fentanyl
T3FU9M	No drugs/metabolites detected
T6YTKW	FENTANYL
TCMDQX	No drugs/metabolites detected
TGTAAX	Fentanyl
TNUGVR	No drugs/metabolites detected
TVWQ2K	Fentanyl
U8PAFQ	No drugs/metabolites detected
U9FK8J	Fentanyl
UMCWFM	No drugs/metabolites detected
V3PKCN	No drugs/metabolites detected
V4K7YM	Fentanyl
VBG3HJ	Fentanyl Norfentanyl
VL369R	No drugs/metabolites detected
VRQPAL	Fentanyl
VVKNKB	No drugs/metabolites detected
W94T6D	No drugs/metabolites detected
WJ9VCV	No drugs/metabolites detected
WRH6ZN	LSD Fentanyl
WTUYJV	fentanyl
WUA4DM	No drugs/metabolites detected
WUPMXK	Fentanyl, Norfentanyl
XWAY9A	No drugs/metabolites detected
YDEPNJ	Fentanyl
YDFDBP	No drugs/metabolites detected
YE6RT8	No drugs/metabolites detected

Webcode	Screening Results	
YNW37N	Fentanyl Norfentanyl	
YXJZWT	No drugs/metabolites detected	
Z383EJ	Fentanyl Norfentanyl	
ZMEF87	Fentanyl Norfentanyl	
ZWJKVF	Fentanyl Norfentanyl	
Response Su	ummary for Item 2	Participants: 106

Fentanyl and/or Norfentanyl: 63

No drugs/metabolites detected: 43

Totals may add up to more than the total number of participants because participants can report multiple drugs/analytes.

Confirmatory Results - Item 2

What drugs/metabolites were detected in Item 2?

TABLE 2B Item 2

Item Scenario:

Case 2: A 53-year-old male was pulled over for swerving in and out of lanes, driving significantly under the speed limit. The officer noted that the driver seemed relaxed but confused. His pupils were constricted and there was evidence of possible vomit on his shirt. A urine sample was collected for analysis 60 minutes later.

Item Contents and Preparation Concentration:	Fentanyl (270 ng/mL)
	Norfentanyl (1,350 ng/mL)

WebCode	Analyte Reported	Qualitative Only	e Reported Concentration	Uncertainty	Units
29RPK9	Fentanyl	✓			
2JFCYJ	Fentanyl	1			
2N7QJK	Fentanyl	1			
	Norfentanyl	1			
2Y6N6Y	Fentanyl	1			
	Norfentanyl	1			
3EC6QR	Fentanyl	1			
	Norfentanyl	1			
43FHVF	Fentanyl	1			
	Norfentanyl	1			
43GABB	Fentanyl	1			
	Norfentanyl	1			
4RV8LN	Fentanyl	✓			
4TRKDM	Fentanyl	✓			
4UL9RC	Fentanyl	1			
	Norfentanyl	1			
4WQWAM	Fentanyl	✓			
4XLJNC	Fentanyl	\checkmark			
	Norfentanyl	✓			
6NVD8K	Fentanyl	1			
6Z7T7C	Fentanyl	1			
	Norfentanyl	\checkmark			
76VRZX	Fentanyl	\checkmark			
	Norfentanyl	/			
	4-ANPP	✓ ✓			
7DQU2A	Fentanyl	\checkmark			
	Norfentanyl	1			
82U4WV	Fentanyl	\checkmark			

WebCode	Analyte Reported	Qualitative Reported Only Concentration Uncertainty Units
9A7D6A	Fentanyl Norfentanyl	√ √
9BVQNT	Fentanyl Norfentanyl	/ /
9NJNVH	Fentanyl	
9RGEV3	Fentanyl Norfentanyl	√ √
Α9ΜΧ7Υ	Fentanyl Norfentanyl	√ √
AAXVKG	Fentanyl	1
ABTJY7	Fentanyl Norfentanyl	
ANFPRZ	Fentanyl	1
ВС4КК6	Fentanyl Norfentanyl	J J
BEMRLC	Fentanyl	1
D68WDN	Fentanyl Norfentanyl	J J
D9UAK7	Fentanyl	1
DJG9CC	Fentanyl	1
DMFLWF	Fentanyl	1
DWY69Z	Fentanyl	1
EHEZK4	Fentanyl Norfentanyl	J J
EN4M8W	Fentanyl Norfentanyl	J J
FAYJL3	Fentanyl Norfentanyl	√ √
FLR3Z8	Fentanyl Norfentanyl	/ /
FM2CQJ	Fentanyl	/
FVVGKK	Fentanyl Norfentanyl	/ /
G3DA9P	Fentanyl Norfentanyl	√ √
GHRDW7	Fentanyl Norfentanyl	/ /

WebCode	Analyte Reported	Qualitative Reported Only Concentration Uncertai	inty Units
H3QYC3	Fentanyl	V	
	Norfentanyl		
	methylphenidate	∫ ✓	
H9H2K9	Fentanyl		
HEHPTZ	Fentanyl Norfentanyl	J J	
HEKDF6	Fentanyl	 ✓	
HGQZP4	Fentanyl	✓	
	Norfentanyl	\checkmark	
HJJNC6	Fentanyl		
HVU72M	Fentanyl	1	
	Norfentanyl	✓	
JL29WZ	Fentanyl	✓	
JN67ZZ	Fentanyl	\checkmark	
	Norfentanyl		
	methylphenidate	<u> </u>	
L2LKDY	Fentanyl Norfentanyl	J J	
LCQQB8	Fentanyl	1	
LXKUR6	Fentanyl	✓	
MFGNUU	Fentanyl	\checkmark	
	Norfentanyl	✓	
MFZ7E4	Fentanyl	✓	
MVB432	Fentanyl	✓	
NVQMMY	Fentanyl	\checkmark	
P8ZR6E	Fentanyl	\checkmark	
P9TFPV	Fentanyl	✓	
. <u></u>	Norfentanyl	✓	
PHJ2VT	Fentanyl	✓	
PW2P9X	Fentanyl	1	
PWZ2LR	Fentanyl	\checkmark	
	Norfentanyl	\checkmark	
Q3X7R2	Fentanyl	J	
	Norfentanyl		
QNJZJN	Fentanyl Norfentanyl	\checkmark	
	гаонешануг	•	

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
R3DPBD	Fentanyl Norfentanyl	/ /			
RTD2HG	Fentanyl		263	53	ng/mL
T6YTKW	Fentanyl	\checkmark			
TCMDQX	Fentanyl Norfentanyl	1 1			
TNUGVR	Fentanyl	\checkmark			
TVWQ2K	Fentanyl	\checkmark			
U8PAFQ	Fentanyl	\checkmark			
U9FK8J	Fentanyl	1			
UMCWFM	Fentanyl	1			
V3PKCN	Fentanyl	1			
V4K7YM	Fentanyl	1			
VBG3HJ	Fentanyl Norfentanyl	٦ ٦			
VL369R	Fentanyl	1			
VRQPAL	Fentanyl Norfentanyl	\ \			
VVKNKB	Fentanyl Norfentanyl	\$ \$			
W94T6D	Fentanyl Norfentanyl	\ \			
WJ9VCV	Fentanyl	\checkmark			
WRH6ZN	Fentanyl Norfentanyl	\$ \$			
WTUYJV	Fentanyl	\checkmark			
WUA4DM	Fentanyl	1			
WUPMXK	Fentanyl	1			
XWAY9A	Fentanyl Norfentanyl	/ /			
YDEPNJ	Fentanyl	1			
YDFDBP	Fentanyl	1			
YE6RT8	Fentanyl Norfentanly	/ /			
YNW37N	Fentanyl Norfentanyl	\ \			

WebCode	Analyte Reported	Qualitative Reported Only Concentration	Uncertainty	Units
Z383EJ	Fentanyl Norfentanyl	J J		
ZMEF87	Fentanyl Norfentanyl	J J		
ZWJKVF	Fentanyl Norfentanyl	\$ \$		
Response Sun	nmary for Item 2		Participant	s: 92

Fentanyl: 92 Norfentanyl: 48 Other: 3

Totals may add up to more than the total number of participants because participants can report multiple drugs/metabolites.

Raw Data - Item 2

List of raw data determinations in ng/mL.

TABLE 2C Item 2

Item 2 Raw Data - Fentanyl Preparation concentration: (270 ng/mL)

WebCode	Raw Data (ng/mL)
RTD2HG	263.0
Statistical Analysis for Item 2 - Fentanyl	

Please note statistical analysis has not been provided due to the low number of raw data responses.

Reporting Procedures - Item 2

If quantitative analysis was performed, the reported concentrations are:

TABLE 2D Item 2

WebCode	Quantitative Reporting Procedures		
RTD2HG	A single determination.		
Response	e Summary for Item 2	Participants: 1	
	A single determination:	1 (100.0%)	
Т	he mean of duplicate/several determinations:	0 (0.0%)	

Methods of Analysis - Item 2

WebCode	Method	Screening	Confirmatory	Quantitation
29RPK9	Immunoassay GC/MS	1	1	
2JFCYJ	Immunoassay GC/MS LC/MS/MS	\checkmark	\ \	
2N7QJK	Immunoassay GC/MS	1	1	
2Y6N6Y	Immunoassay GC/MS	\ \	1	
3EC6QR	GC/MS	1	1	
3TFLJE	Immunoassay	1		
43FHVF	LC/MS/MS GC/MS	1	1	
43GABB	Immunoassay GC/MS	1	1	
4RV8LN	Immunoassay GC/MS	\ \	1	
4TRKDM	Immunoassay GC/MS LC/MS/MS	✓ ✓	J J	
4UL9RC	Immunoassay GC/MS	\$ \$	1	
4WQWAM	Immunoassay GC/MS LC/MS/MS	\checkmark	J J	
4XLJNC	Immunoassay GC/MS	5 5	1	
63CDWX	Immunoassay	1		
6NVD8K	Immunoassay LC/MS/MS GC/MS	√ √	\ \	
6Z7T7C	LC/MS/MS	1	1	
76VRZX	Immunoassay LC/MS/MS	1	1	
7DQU2A	LC/MS/MS	✓	✓	
82U4WV	Immunoassay LC/MS/MS GC/MS	√ √	/ /	
8QRLME	Immunoassay	1		

WebCode	Method	Screening	Confirmatory	Quantitation
9A7D6A	GC/MS LC/MS/MS LC-TOF-MS	√ √	1	
9BVQNT	Immunoassay GC/MS	1	1	
9NJNVH	LC/MS/MS GC/MS	1	1	
9RGEV3	Immunoassay GC/MS	\$ \$	1	
A9MX7Y	Immunoassay GC/MS	1	1	
AAXVKG	LC/MS GC/MS	1	1	
ABTJY7	Immunoassay GC/MS	\$ \$	1	
ANFPRZ	Immunoassay GC/MS	<i>J</i> <i>J</i>	1	
ВС4КК6	Immunoassay GC/MS	<i>J</i> <i>J</i>	1	
BE8BT6	Immunoassay	1		
BEMRLC	Immunoassay GC/MS LC/MS/MS	1	\ \	
C39YRB	Immunoassay	1		
D68WDN	Immunoassay GC/MS	\ \	1	
D9UAK7	Immunoassay GC/MS LC/MS/MS	1	J J	
DJG9CC	Immunoassay LC/MS GC/MS	\checkmark	\ \	
DMFLWF	Immunoassay GC/MS LC/MS/MS	√ √ √	J J	
DWY69Z	Immunoassay GC/MS	\ \	1	
EHEZK4	GC/MS LC/MS-QTOF	\ \	1	
EN4M8W	GC/MS	1	1	
EN6BU2	Immunoassay	1		

WebCode	Method	Screening	Confirmatory	Quantitation
FAYJL3	Immunoassay GC/MS	\ \	1	
FLR3Z8	Immunoassay GC/MS	\ \	1	
FM2CQJ	lmmunoassay GC/MS LC/MS/MS	1	/ /	
FVVGKK	Immunoassay GC/MS	1 1	1	
G3DA9P	Immunoassay GC/MS LC-QTOF	✓	/ /	
GHRDW7	lmmunoassay GC/MS LC/MS/MS	√ √ √	1	
НЗQYC3	Immunoassay LC/MS/MS GC/MS	\checkmark	√ √	
Н9Н2К9	Immunoassay GC/MS LC/MS/MS	\ \ \	√ ✓	
HEHPTZ	Immunoassay LC/MS/MS	1	1	
HEKDF6	Immunoassay GC/MS LC/MS/MS	1	√ √	
HGQZP4	Immunoassay LC/MS/MS	\$ \$	1	
НЈЈИС6	Immunoassay GC/MS LC/MS/MS	\ \ \	√ √	
HVU72M	Immunoassay GC/MS LC-QTOF	\ \ \	√ √	
JL29WZ	LC/MS/MS	✓	1	
JLYK9U	Immunoassay	1		
JN67ZZ	GC/MS LC/MS	1	1	
L2LKDY	Immunoassay LC/MS/MS	1	1	
LCQQB8	lmmunoassay GC/MS LC/MS/MS	\ \ \	/ /	

WebCode	Method	Screening	Confirmatory	Quantitation
LXKUR6	Immunoassay GC/MS LC/MS/MS	1	J J	
MFGNUU	Immunoassay LC/MS/MS	1	1	
MFZ7E4	LC/MS/MS	1	1	
MLAJ3U	lmmunoassay	1		
MVB432	LC/MS/MS GC/MS	1	1	
NVQMMY	LC/MS/MS GC/MS	1	1 1	
P8ZR6E	Immunoassay LC/MS/MS GC/MS	√ √	1	
P9TFPV	Immunoassay GC/MS LC/MS/MS	1	/ /	
PHJ2VT	GC/MS. We do not currently have a screening test for Fentanyl. Our screening immunoassay does not include the fentanyl assay. GC/MS	1	1	
PKK88D	lmmunoassay	1		
PW2P9X	Immunoassay GC/MS LC/MS/MS	1	<i>J</i> <i>J</i>	
PWZ2LR	LC/MS/MS GC/MS Rapid Chromatographic Immunoassay	√ √	1	
Q3X7R2	Immunoassay GC/MS	1	1	
QNJZJN	Immunoassay GC/MS	\$ \$	1	
R3DPBD	Immunoassay GC/MS HPLC/qTOF	/ / /	/ /	
RTD2HG	Immunoassay LC/MS/MS	1	1	√
T3FU9M	Immunoassay	✓		
T6YTKW	GC/MS	1	1	
TCMDQX	GC/MS Immunoassay	1	1	
TGTAAX	Immunoassay	1		

WebCode	Method	Screening	Confirmatory	Quantitation
TNUGVR	lmmunoassay	1		
	GC/MS			
	LC/MS/MS	<i></i>	1	
TVWQ2K	GC/MS	✓	1	
U8PAFQ	GC/MS		1	
	LC/MS		1	
U9FK8J	Immunoassay	1		
	GC/MS	1	1	
UMCWFM	GC/MS		1	
V3PKCN	Immunoassay	1		
	LC/MS/MS		1	
	GC/MS		1	
V4K7YM	GC/MS		1	
VBG3HJ	GC/MS	\checkmark	1	
VL369R	lmmunoassay	1		
	LC/MS/MS		1	
	GC/MS		1	
VRQPAL	Immunoassay	1		
	GC/MS		1	
VVKNKB	Immunoassay	1		
	GC/MS		1	
	LC/QTOF		1	
W94T6D	Immunoassay	1		
	GC/MS		1	
WJ9VCV	GC/MS			
	LC/MS/MS	,		
	lmmunoassay	1		
WRH6ZN	Immunoassay	1	,	
	GC/MS LC QTOF		<i>,</i>	
		/	•	
WTUYJV	Immunoassay GC/MS		1	
	LC/MS/MS	1	1	
WUA4DM	GC/MS		1	
		✓	· · · · · · · · · · · · · · · · · · ·	
WUPMXK	GC/MS		v	
XWAY9A	Immunoassay	<i>√</i>	1	
	GC/MS		•	
YDEPNJ	LC-Orbitrap MS LC/MS/MS	\checkmark	1	
			•	
YDFDBP	Immunoassay	<i>J</i>	1	
	GC/MS LC/MS/MS	✓ ✓	✓ ✓	
		•	*	

WebCode	Method	Screening	Confirmatory	Quantitation
YE6RT8	Immunoassay GC/MS LC/QTOF	\checkmark	J J	
YNW37N	Immunoassay GC/MS	\ \	1	
YXJZWT	Immunoassay	✓		
Z383EJ	Immunoassay GC/MS	\ \	1	
ZMEF87	LC-QTOF GC/MS	1	1	
ZWJKVF	GC/MS LC/MS/MS	J J	5 5	

Response Summary for Item 2			Participants: 104
	Screening	Confirmatory	Quantitation
Immunoassay:	77	0	0
GC/MS:	37	79	0
LC/MS:	1	3	0
LC/MS/MS:	23	37	1
Other:	8	6	0

Additional Comments for Item 2

Webcode	Item 2 - Comments
29RPK9	Caffeine was observed, but is not reported by [Laboratory].
2JFCYJ	Internal standard used: Mepivacaine.
3TFLJE	Sample screened negative using ELISA for Methamphetamine, Benzodiazepines, Cocaine/BE, Opiates, PCP and Cannabinoids
4TRKDM	Internal standard: mepivacaine
4WQWAM	internal standard: mepivacaine
4XLJNC	Nalorphine ISTD for Opiate extraction
6Z7T7C	Internal Standard: Estazolam
76VRZX	LOD 500 pg/mL
82U4WV	Internal standard-mepivacaine
9BVQNT	We do not have a screening method for Fentanyl. Two separate extracts run on GCMS are used to screen and confirm.
9NJNVH	Internal Standard - Mepivacaine
A9MX7Y	Mepivacaine was used as the internal standard. Additional fentanyl related peaks indicated. Trace peak of Codeine indicated.
AAXVKG	Internal Standards: Mepivacaine
BE8BT6	[Laboratory] screens for the following assays: Assay Type: Target Analyte at Cutoff Level - Amphetamines Assay: d-Methamphetamine at 300ng/mL; Cocaine/Metabolite Assay: Benzoylecgonine at 300ng/mL; Opiates Assay: Morphine at 300ng/mL; Benzodiazepines Assay: Oxazepam at 200ng/mL; Phencyclidine Assay: Phencyclidine at 25ng/mL; and Cannabis Assay: (-)-11-nor-Carboxy-[delta]9-THC at 50ng/mL
BEMRLC	mepivacaine and nalorphine used as internal standards
D68WDN	Alphaprodine, n-Propylamphetamine, and Hexobarbital used as internal standards. GC/MS LOD: Fentanyl: 25 ng/mL, Norfentanyl: 250 ng/mL. Norfentanyl screening/confirmation performed via GC/MS on 4/24/19 and 4/25/19.
D9UAK7	Mepivacaine was the the internal standard used for both GC/MS and LC/MS/MS tests.
DJG9CC	internal standard: mepivacaine
DMFLWF	Mepivacaine used as internal standard.
DWY69Z	Hexobarbital and SKF-525A internal standards
EN6BU2	Screening - Amphethamine, Methamphetamine, Carboxy-THC and Morphine: 20.0ng/mL; Benzoylecgonine and Oxazepam: 50ng/mL
FAYJL3	Hexobarbital, Phenyltoloxamine used as internal reference materials
FLR3Z8	IS-Phenyltoloxamine

Webcode	Item 2 - Comments
FWGKK	N-Propylamphetamine, alphaprodine, and hexobarbital were used as internal standards. Fentanyl LOD: 25 ng/mL, Norfentanyl LOD: 250 ng/mL. GC/MS was used as a screening tool for Norfentanyl on 04/02/2019, and as confirmation on 04/15/2019.
GHRDW7	internal standard - phenyltoloxamine
H9H2K9	Internal standard used for all tests - mepivacaine
HEHPTZ	cutoff 5 ng/mL
HEKDF6	Mepivacaine
HGQZP4	Fentanyl (LC/MS/MS). Cut-off: 20 ng/mL. Internal Standard: trimipramine-D3. Norfentanyl (LC/MS/MS). Cut-off: 20 ng/mL. Internal Standard: diazepam-D5
HJJNC6	Mepivacaine used as internal standard.
HVU72M	Internal Standards used for LC-QTOF: Fentanyl-D5, Imipramine-D3, MDMA-D5, Methaqualone-D7, Triazolam-D4. Immunoassay does not include fentanyl screen. Fentanyl confirmed by LC-QTOF and GCMS.
L2LKDY	cutoff 5 ng/mL
LCQQB8	internal standard used was mepivacaine
LXKUR6	Mepivacaine used as internal standard for LC/MS analysis. Mepivacaine and nalorphine used as internal standards for GC/MS analysis.
MFGNUU	cutoff 5 ng/mL
MVB432	internal standard - mepivacaine
NVQMMY	Internal standards- mepivacaine and nalorphine
P8ZR6E	internal standards: mepivacaine, nalorphine
P9TFPV	Internal Standard (Codiene-D3)
PHJ2VT	Internal Standard-Phenyltoloxamine. Possible Norfentanyl detected but not confirmed
PKK88D	Preliminary testing did not indicated the presence of a drug compound(s). Additional confirmatory testing not pursued.
PW2P9X	Mepivacaine is the internal standard used to determine the relative retention time for the compound reported.
PWZ2LR	Alere iCassette (THC) test device was used to screen for THC, referred to in 1-4 as rapid chromatographic immunoassay. The cutoff concentration for the assay is 50 ng/mL.
RTD2HG	Fentanyl: Internal Standard: Fentanyl-d5, LOD/LOQ: 0.4ng/mL
T6YTKW	Detection limits 5 ng/mL
TGTAAX	Fentanyl routinely confirmed by reference lab. Screen reported only.
U9FK8J	SKF-525A used as internal standard; norfentanyl indicated but not currently reported by laboratory
V3PKCN	mepivacaine as internal standard
W94T6D	Mepivacaine - internal standard used

Webcode	Item 2 - Comments
WJ9VCV	internal standard: mepivacaine
WUA4DM	Flurazepam as Internal Standard
YDFDBP	Internal standard: mepivacaine
YNW37N	Internal Standard: Phenyltoloxamine
Z383EJ	Phenyltoloxamine Internal Standard used for the base fraction and Heptabarbital use for the acid fraction.
ZMEF87	A series of immunoassay tests were also performed per procedures but a fentanyl assay is not part of the panel of tests available to me and so could not be used as a screening test for these drugs. Internal standards used for the LC-QTOF method: Fentanyl-D5, Imipramine-D3, MDMA-D5, Methaqualone-D7, Triazolam-D4
ZWJKVF	Internal Standard: Flurazepam, LOD: 10 ng/mL

Screening Results - Item 3

TABLE 3A Item 3

Item Scenario:

Case 3: A 45-year-old female was subject to a routine pain management compliance drug test. A urine sample was collected for analysis.

Item Contents and Preparation Concentration:

Oxycodone (860 ng/mL) Noroxycodone (1,920 ng/mL) Oxymorphone (470 ng/mL)

WebCode	Screening Results
29RPK9	Opiates Oxycodone/Oxymorphone
2JFCYJ	No drugs/metabolites detected
2N7QJK	Oxycodone and Opioids
2Y6N6Y	Oxycodone/Oxymorphone
3EC6QR	Oxycodone
3TFLJE	No drugs/metabolites detected
43FHVF	oxycodone
43GABB	Opiates
4RV8LN	Oxycodone
4TRKDM	oxycodone
4UL9RC	Oxycodone, Noroxycodone, Possible Opiate Class
4WQWAM	No drugs/metabolites detected
4XLJNC	Opiate - Oxycodone, Noroxycodone, Oxymorphone
63CDWX	Opiate(s)/opiate metabolite(s)
6NVD8K	oxycodone
6Z7T7C	Oxycodone Noroxycodone Oxymorphone
76VRZX	Oxycodone
7DQU2A	Oxycodone Noroxycodone
82U4WV	oxycodone
8QRLME	No drugs/metabolites detected
9A7D6A	Oxycodone Oxymorphone

WebCode	Screening Results
9BVQNT	Oxycodone/oxymorphone
9NJNVH	Oxycodone
9RGEV3	Opiates
A9MX7Y	Oxycodone/Oxymorphone
AAXVKG	No drugs/metabolites detected
ABTJY7	Opiates (class)
ANFPRZ	Opiates
AWCH98	No drugs/metabolites detected
BC4KK6	Opiates (Class) Oxycodone Noroxycodone
BE8BT6	No drugs/metabolites detected
BEMRLC	No drugs/metabolites detected
C39YRB	No drugs/metabolites detected
CVN4M2	Oxycodone
D68WDN	Oxycodone (ELISA)
D9UAK7	No drugs/metabolites detected
DJG9CC	No drugs/metabolites detected
DMFLWF	oxycodone
DWY69Z	Oxycodone
EHEZK4	OXYCODONE OXYCODONE METABOLITE
EN4M8W	oxycodone oxymorphone
EN6BU2	No drugs/metabolites detected
FAYJL3	Oxycodone
FLR3Z8	Oxycodone
FM2CQJ	Opiates
FVVGKK	ELISA Oxycodone
G3DA9P	oxycodone
GHRDW7	Oxycodone
-	

WebCode	Screening Results
H3QYC3	opiates
H9H2K9	oxycodone
HEHPTZ	Oxycodone class
HEKDF6	Oxycodone, Oxymorphone
HGQZP4	Oxycodone
HJJNC6	Oxycodone
HVU72M	Oxycodone
JL29WZ	oxycodone
JLYK9U	No drugs/metabolites detected
JN67ZZ	opiates group
L2LKDY	Oxycodone class
LCQQB8	Oxycodone and oxymorphone
LXKUR6	No drugs/metabolites detected
MFGNUU	Oxycodone class
MFZ7E4	Oxycodone & oxymorphone
MLAJ3U	No drugs/metabolites detected
MVB432	oxycodone
NVQMMY	No drugs/metabolites detected
P8ZR6E	oxycodone (LCMSMS) oxymorphone (LCMSMS)
P9TFPV	No drugs/metabolites detected
PHJ2VT	Narcotic-Oxycodone Narcotic-Oxymorphone
PKK88D	Opiate class compound.
PW2P9X	No drugs/metabolites detected
PWZ2LR	Oxycodone, Oxymorphone
Q3X7R2	Oxycodone 1 Oxycodone 2 Opioids
QNJZJN	Opiates
R3DPBD	oxycodone, noroxycodone, oxymorphone

WebCode	Screening Results
RTD2HG	Oxycodone
T3FU9M	No drugs/metabolites detected
T6YTKW	OXYCODONE
TCMDQX	No drugs/metabolites detected
TGTAAX	Oxycodone
TNUGVR	No drugs/metabolites detected
TVWQ2K	Oxycodone
U8PAFQ	No drugs/metabolites detected
U9FK8J	Oxycodone
UMCWFM	No drugs/metabolites detected
V3PKCN	No drugs/metabolites detected
V4K7YM	Oxycodone Oxymorphone
VBG3HJ	Oxycodone Oxymorphone
VL369R	No drugs/metabolites detected
VRQPAL	Oxycodone
VVKNKB	Oxycodone
WJ9VCV	No drugs/metabolites detected
WRH6ZN	No drugs/metabolites detected
VLUYJV	oxycodone, oxymorphone
WUA4DM	No drugs/metabolites detected
WUPMXK	Opiate class
XWAY9A	Opiates
YDEPNJ	Oxycodone and Oxymorphone
YDFDBP	No drugs/metabolites detected
YE6RT8	Oxycodone assay
YNW37N	Oxycodone
YXJZWT	No drugs/metabolites detected
Z383EJ	Oxycodone

WebCode	Screening Results		
ZMEF87	Oxycodone Noroxycodone Oxymorphone		
ZWJKVF	Oxycodone Oxymorphone		
Response Su	ummary for Item 3		Participants: 105
	Opiates:	18	
	Oxycodone, Noroxycodone, or Oxymorphone:	63	
	No drugs/metabolites detected:	30	
	Totals may add up to more than the toto because participants can report mu		

Confirmatory Results - Item 3

What drugs/metabolites were detected in Item 3?

TABLE 3B Item 3

Item Scenario:

Case 3: A 45-year-old female was subject to a routine pain management compliance drug test. A urine sample was collected for analysis.

Item Contents and Preparation Concentration:

Oxycodone (860 ng/mL) Noroxycodone (1,920 ng/mL) Oxymorphone (470 ng/mL)

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
29RPK9	Oxycodone	1			
2JFCYJ	Oxycodone Oxymorphone	5 5			
2N7QJK	Oxycodone Oxymorphone	5 5			
2Y6N6Y	Oxycodone Noroxycodone Oxymorphone	5 5 5			
3EC6QR	Oxycodone	1			
43FHVF	Oxycodone	1			
43GABB	Oxycodone Noroxycodone Oxymorphone	5 5 5			
4RV8LN	Oxycodone	1			
4TRKDM	Oxycodone	1			
4UL9RC	Oxycodone Noroxycodone Oxymorphone	5 5 5			
4WQWAM	Oxycodone	1			
4XLJNC	Oxycodone Noroxycodone Oxymorphone	\ \ \			
6NVD8K	Oxycodone Oxymorphone	\ \			
6Z7T7C	Oxycodone Noroxycodone Oxymorphone	5 5 5			
76VRZX	Oxycodone Oxymorphone	\ \			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
7DQU2A	Oxycodone	1			
	Noroxycodone	1			
82U4WV	Oxycodone	1			
	Noroxycodone				
	Oxymorphone				
9A7D6A	Oxycodone	1			
	Oxymorphone	1			
9BVQNT	Oxycodone	1			
9NJNVH	Oxycodone	1			
9RGEV3	Oxycodone	1			
	Öxymorphone	1			
A9MX7Y	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
AAXVKG	Oxycodone	1			
	Oxymorphone	1			
ABTJY7	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
ANFPRZ	Oxycodone	1			
BC4KK6	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
BEMRLC	Oxycodone	1			
	Oxymorphone	1			
D68WDN	Oxycodone	1			
	Oxymorphone	1			
D9UAK7	Oxycodone	1			
	Oxymorphone	1			
DJG9CC	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
DMFLWF	Oxycodone	1			
	Oxymorphone	1			
DWY69Z	Oxycodone	1			
	Öxymorphone	1			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
EHEZK4	Oxycodone OXYCODONE METABOLITE				
EN4M8W	Oxycodone Oxymorphone	\ \			
FAYJL3	Oxycodone Oxymorphone	\ \			
FLR3Z8	Oxycodone	✓			
FM2CQJ	Oxycodone Noroxycodone Oxymorphone	ן ז ז			
FVVGKK	Oxycodone Oxymorphone	\ \			
G3DA9P	Oxycodone Noroxycodone Oxymorphone	1			
GHRDW7	Oxycodone	✓			
H3QYC3	Oxycodone Oxymorphone	J J			
Н9Н2К9	Oxycodone Oxymorphone	5 5			
HEHPTZ	Oxycodone Oxymorphone	1 1			
HEKDF6	Oxycodone Oxymorphone	/ /			
HGQZP4	Oxycodone	✓			
HJJNC6	Oxycodone Oxymorphone				
HVU72M	Oxycodone Noroxycodone Oxymorphone	ן ז ז			
JL29WZ	Oxycodone	1			
JN67ZZ	Oxycodone Oxymorphone	J J			
L2LKDY	Oxycodone Oxymorphone	J J			
LCQQB8	Oxycodone Oxymorphone	J J			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
LXKUR6	Oxycodone	\checkmark			
MFGNUU	Oxycodone Oxymorphone	\ \			
MFZ7E4	Oxycodone & oxymorphone	1			
MVB432	Oxycodone Oxymorphone	\$ \$			
NVQMMY	Oxycodone Oxymorphone	5 5			
P8ZR6E	Oxycodone Noroxycodone Oxymorphone	ן ר ר			
P9TFPV	Oxycodone Oxymorphone	\ \			
PHJ2VT	Oxycodone Oxymorphone	\ \			
PW2P9X	Oxycodone Oxymorphone	5 5			
PWZ2LR	Oxycodone Oxymorphone	\ \			
Q3X7R2	Oxycodone Oxymorphone	\ \			
QNJZJN	Oxycodone Noroxycodone	5 5			
R3DPBD	Oxycodone Noroxycodone Oxymorphone]]]			
RTD2HG	Oxycodone Oxymorphone		860 505	172 101	ng/mL ng/mL
T6YTKW	Oxycodone	\checkmark			
TCMDQX	Oxycodone Oxymorphone	\ \			
TGTAAX	Oxycodone Oxymorphone	\ \			
TNUGVR	Oxycodone Oxymorphone	/ /			
TVWQ2K	Oxycodone	1			

WebCode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
U8PAFQ	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
U9FK8J	Oxycodone	1			
	Oxymorphone	1			
UMCWFM	Oxycodone	1			
V3PKCN	Oxycodone	1			
V4K7YM	Oxycodone	1			
	Oxymorphone	1			
VBG3HJ	Oxycodone	1			
	Oxymorphone	1			
VL369R	Oxycodone	1			
VRQPAL	Oxycodone	1			
VVKNKB	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone	1			
WJ9VCV	Oxycodone	1			
WRH6ZN	Oxycodone	1			_
	Noroxycodone	1			
WTUYJV	Oxycodone	1			
	Oxymorphone	1			
WUA4DM	Oxycodone	1			
	Oxymorphone	1			
WUPMXK	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone				
XWAY9A	Oxycodone	1			
YDEPNJ	Oxycodone	1			
	Oxymorphone	1			
YDFDBP	Oxycodone	1			
	Oxymorphone	1			
YE6RT8	Oxycodone	1			
	Noroxycodone	1			
	Oxymorphone				
YNW37N	Oxycodone	1			

WebCode	Analyte Reported	Qualitative Only	e Reported Concentration	Uncertainty	Units
Z383EJ	Oxycodone	\checkmark			
	Noroxycodone	1			
ZMEF87	Oxycodone	\checkmark			
	Noroxycodone	1			
	Oxymorphone	1			
ZWJKVF	Oxycodone	\checkmark			
	Oxymorphone	1			
Response S	ummary for Item 3			Participan	ts: 92
		Oxycodone:	92		
		Noroxycodone:	24		
		Oxymorphone:	64		
			the total number of partic rt multiple drugs/metaboli		

Raw Data - Item 3

List of raw data determinations in ng/mL.

TABLE 3C Item 3

Item 3 Raw Data - Oxycodone Preparation concentration: (860 ng/mL)

WebCode	Raw Data (ng/mL)	
---------	------------------	--

RTD2HG 860.0

Statistical Analysis for Item 3 - Oxycodone

Please note statistical analysis has not been provided due to the low number of raw data responses.

Item 3 Raw Data - Oxymorphone Preparation concentration: (470 ng/mL)

RTD2HG 505.0					
Statistical Analysis for Item 3 - Oxymorphone					
Please note statistical analysis has not been provided due to the low number of raw data responses.					

Reporting Procedures - Item 3

If quantitative analysis was performed, the reported concentrations are:

WebCod	e Quantitative Repor	Quantitative Reporting Procedures				
RTD2HG	A single determination.					
Respons	e Summary for Item 3		Participants: 1			
	A single determination:	1 (100.0%)				
	The mean of duplicate/several determinations:	0 (0.0%)				

Methods of Analysis - Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
29RPK9	Immunoassay GC/MS	1	1	
2JFCYJ	lmmunoassay GC/MS LC/MS/MS	1	/ /	
2N7QJK	Immunoassay GC/MS	\checkmark	1	
2Y6N6Y	Immunoassay GC/MS	1	1	
3EC6QR	GC/MS	✓	✓	
3TFLJE	Immunoassay	1		
43FHVF	LC/MS/MS GC/MS	1	1	
43GABB	Immunoassay GC/MS	1	1	
4RV8LN	Immunoassay GC/MS	\ \	1	
4TRKDM	GC/MS LC/MS/MS	\ \	√ √	
4UL9RC	Immunoassay GC/MS	/ /	1	
4WQWAM	Immunoassay GC/MS LC/MS/MS	<i>✓</i>	√ √	
4XLJNC	Immunoassay GC/MS	\$ \$	1	
6NVD8K	Immunoassay LC/MS/MS GC/MS	✓ ✓	√ √	
6Z7T7C	LC/MS/MS	1	1	
76VRZX	Immunoassay LC/MS/MS	1	1	
7DQU2A	LC/MS/MS	1	1	
82U4WV	Immunoassay LC/MS/MS GC/MS	✓ ✓	/ /	
8QRLME	Immunoassay	1		
9A7D6A	GC/MS LC/MS/MS LC-TOF-MS	<i>J</i>	1	
9BVQNT	Immunoassay GC/MS	1	1	
9NJNVH	GC/MS LC/MS/MS	1	1	

WebCode	Method	Screening	Confirmatory	Quantitation
9RGEV3	Immunoassay GC/MS	1	1	
A9MX7Y	Immunoassay GC/MS	 Image: A start of the start of	1	
AAXVKG	LC/MS/MS GC/MS	✓ ✓	1	
ABTJY7	Immunoassay GC/MS	✓ ✓	1	
ANFPRZ	Immunoassay GC/MS	✓ ✓	1	
ВС4КК6	Immunoassay GC/MS	✓ ✓	1	
BE8BT6	Immunoassay	1		
BEMRLC	Immunoassay GC/MS LC/MS/MS	1	\$ \$	
C39YRB	Immunoassay	1		
D68WDN	Immunoassay GC/MS	√ √	1	
D9UAK7	Immunoassay GC/MS LC/MS/MS	1	\$ \$	
DJG9CC	Immunoassay LC/MS GC/MS	1	√ √	
DMFLWF	Immunoassay GC/MS LC/MS/MS	\ \ \	\$ \$	
DWY69Z	Immunoassay GC/MS	√ √	1	
EHEZK4	GC/MS LC/MS-QTOF	√ √	1	
EN4M8W	GC/MS	1	1	
EN6BU2	Immunoassay	1		
FAYJL3	Immunoassay GC/MS	\checkmark	1	
FLR3Z8	Immunoassay GC/MS	1	1	
FM2CQJ	Immunoassay GC/MS LC/MS/MS	1	۲ ۲	
FVVGKK	Immunoassay GC/MS	\ \	1	
G3DA9P	Immunoassay GC/MS LC-QTOF	V	\$ \$	

Test 19-5671

WebCode	Method	Screening	Confirmatory	Quantitation
GHRDW7	Immunoassay			
	GC/MS			
	LC/MS/MS	1		
H3QYC3	Immunoassay	\checkmark		
	LC/MS/MS		1	
Н9Н2К9	Immunoassay	\checkmark		
	LC/MS/MS	\checkmark	\checkmark	
	GC/MS	\checkmark	\checkmark	
HEHPTZ	Immunoassay	\checkmark		
	LC/MS/MS		\checkmark	
HEKDF6	Immunoassay	✓		
	GC/MS	\checkmark		
	LC/MS/MS		1	
HGQZP4	Immunoassay	✓		
	LC/MS/MS	\checkmark	1	
HJJNC6	Immunoassay	1		
	GC/MS	1	1	
	LC/MS/MS	\checkmark	1	
HVU72M	Immunoassay	✓		
	GC/MS	1	1	
	LC-QTOF	1	1	
JL29WZ	LC/MS/MS	1	1	
JLYK9U	Immunoassay	1		
JN67ZZ	•			
JINO/ZZ	Immunoassay LC/MS	•	1	
L2LKDY	lmmunoassay LC/MS/MS	1	1	
LCQQB8	Immunoassay	1		
	GC/MS		1	
	LC/MS/MS	1	1	
LXKUR6				
LANUKO	Immunoassay LC/MS	·	1	
	GC/MS		1	
		1	•	
MFGNUU	Immunoassay LC/MS/MS	v	1	
		<u> </u>	•	
MFZ7E4	LC/MS/MS		v	
MLAJ3U	Immunoassay	•		
MVB432	LC/MS/MS	5	,	
	GC/MS	/	/	
NVQMMY	LC/MS/MS	1		
	GC/MS			
P8ZR6E	Immunoassay			
	LC/MS/MS	1	_	
	GC/MS		1	
P9TFPV	Immunoassay			
	GC/MS			
	LC/MS/MS		\checkmark	

WebCode	Method	Screening	Confirmatory	Quantitation
PHJ2VT	Immunoassay GC/MS	1	1	
PKK88D	Immunoassay	1		
PW2P9X	Immunoassay	1		
	GC/MS		1	
	LC/MS/MS		1	
PWZ2LR	LC/MS/MS	1	1	
	GC/MS		1	
	Rapid Chromatographic Immunoassay	1		
Q3X7R2	Immunoassay	1		
	GC/MS		1	
QNJZJN	Immunoassay	1		
	GC/MS	1	1	
R3DPBD	Immunoassay	1		
	GC/MS	1	1	
	HPLC/qTOF	1	1	
RTD2HG	Immunoassay	1		
	LC/MS/MS		1	1
T3FU9M	Immunoassay	1		
T6YTKW	GC/MS	1	1	
TCMDQX	GC/MS	1		
TCMDQA	lc-qtof	·	1	
TGTAAX	GC/MS		/	
IGIAA	Immunoassay	1	·	
TNUGVR	· · · · · · · · · · · · · · · · · · ·			
INUGVK	Immunoassay GC/MS	, ,	1	
	LC/MS/MS	1	1	
TVWQ2K				
IVVVQZK	Immunoassay GC/MS	·	1	
U8PAFQ	GC/MS			
UOFAIQ	LC/MS/MS		1	
U9FK8J		1	•	
UALVOI	Immunoassay GC/MS	1	1	
		•		
	GC/MS	/	v	
V3PKCN	Immunoassay	v	1	
	GC/MS		1	
V4K7YM	GC/MS	/	•	
VBG3HJ	GC/MS		1	
VL369R	Immunoassay	✓	,	
	GC/MS			
	LC/MS/MS	,	<i>✓</i>	
VRQPAL	Immunoassay	1	/	
	GC/MS		1	
VVKNKB	Immunoassay	<i>√</i>		
	GC/MS			
	LC/QTOF		✓	

WebCode	Method	Screening	Confirmatory	Quantitation
WJ9VCV	GC/MS	✓	<i>√</i>	
	LC/MS/MS	1	\checkmark	
WRH6ZN	Immunoassay	\checkmark		
	GC/MS			
	LC QTOF		1	
WTUYJV	Immunoassay			
	GC/MS	V	<i>,</i>	
	LC/MS/MS			
WUA4DM	GC/MS		V	
WUPMXK	Immunoassay	V	1	
	GC/MS		V	
XWAY9A	Immunoassay GC/MS	v	1	
YDEPNJ	GC/MS	/	•	
IDLFINJ	LC-Ion-trap MS	·	1	
YDFDBP	Immunoassay	1	-	
	GC/MS	1	1	
	LC/MS/MS	1	1	
YE6RT8	Immunoassay	1		
	GC/MS		1	
	LC/QTOF		1	
YNW37N	Immunoassay	1		
	GC/MS		✓	
YXJZWT	Immunoassay	1		
Z383EJ	Immunoassay	\checkmark	_	
	GC/MS		1	
ZMEF87	Immunoassay	1		
	LC-QTOF			
ZWJKVF	GC/MS			
	LC/MS/MS	<i>.</i>	<i></i>	
Response Sum	nary for Item 3			Participants: 102
		Screening	Confirmatory	Quantitation
	Immunoassay:	77	0	0
	GC/MS:	35	75	0
	LC/MS:	0	3	0
	LC/MS/MS:	24	37	1
	Other:	5	9	0

Additional Comments for Item 3

WebCode	Item 3 - Comments
2JFCYJ	Internal standard used: Mepivacaine.
3TFLJE	Sample screened negative using ELISA for Methamphetamine, Benzodiazepines, Cocaine/BE, Opiates, PCP and Cannabinoids
4TRKDM	Internal Standard: Mepivacaine
4UL9RC	Nalorphine - Internal Standard for Opiate Confirmation
4WQWAM	internal standard: mepivacaine
4XLJNC	Nalorphine ISTD used for Opiate Extraction
63CDWX	Preliminary testing indicated the possible presence of opiate(s)/opiate metabolite(s). Unable to pursue as analyst is not authorized to perform this type of confirmation testing.
6Z7T7C	Internal Standard: Estazolam
76VRZX	LOD 10 ng/mL
82U4WV	Internal standard-mepivacaine
9NJNVH	Internal Standard - Mepivacaine
A9MX7Y	Internal standards used: Mepivacaine, Nalorphine. Oxycodone related peak indicated - Not reported, no standard available for comparison
AAXVKG	Internal Standards: Mepivacaine, and Nalorphine, butyl
ABTJY7	Opiate Confirmation - Nalorphine ISTD
BC4KK6	Nalorphine was used as an internal standard for the opiate confirmation via GC/MS
BE8BT6	KRCL screens for the following assays: Assay Type: Target Analyte at Cutoff Level - Amphetamines Assay: d-Methamphetamine at 300ng/mL; Cocaine/Metabolite Assay: Benzoylecgonine at 300ng/mL; Opiates Assay: Morphine at 300ng/mL; Benzodiazepines Assay: Oxazepam at 200ng/mL; Phencyclidine Assay: Phencyclidine at 25ng/mL; and Cannabis Assay: (-)-11-nor-Carboxy-[delta]9-THC at 50ng/mL
BEMRLC	mepivacaine and nalorphine used as internal standards
D68WDN	Alphaprodine, n-Propylamphetamine, and Hexobarbital used as internal standards GC/MS LOD: Oxycodone: 25 ng/mL, Oxymorphone: 20 ng/mL. Oxymorphone screening/confirmation performed via GC/MS on 4/24/19 and 4/25/19.
D9UAK7	Mepivacaine was the the internal standard used for both GC/MS and LC/MS/MS tests.
DJG9CC	internal standard: mepivacaine
DMFLWF	Mepivacaine used as internal standard.
DWY69Z	D3-Oxycodone and D3-Oxymorphone used - samples derivatized using BSTFA
EN6BU2	Screening - Amphethamine, Methamphetamine, Carboxy-THC and Morphine: 20.0ng/mL; Benzoylecgonine and Oxazepam: 50ng/mL

WebCode	Item 3 - Comments
FAYJL3	Hexobarbital, Phenyltoloxamine used for internal reference material. There was possible noroxycodone present in the sample but our laboratory did not have the appropriate reference material available to confirm it
FLR3Z8	IS-Phenyltoloxamine
FVVGKK	N-Propylamphetamine, alphaprodine, and hexobarbital were used as internal standards. Oxycodone LOD: 25 ng/mL, Oxymorphone LOD: 20 ng/mL. GC/MS was used as a screening tool for Oxymorphone on 04/02/2019, and as confirmation on 04/25/2019
GHRDW7	internal standard - phenyltoloxamine
H9H2K9	Internal standards used - mepivacaine & nalorphine
HEHPTZ	cutoff 50 ng/mL
HEKDF6	Mepivacaine
HGQZP4	Oxycodone (LC/MS/MS). Cut-off: 50 ng/mL. Internal Standard: codeine-D3
HJJNC6	Mepivacaine and nalorphine used as internal standards.
HVU72M	Internal Standards used for LC-QTOF: Fentanyl-D5, Imipramine-D3, MDMA-D5, Methaqualone-D7, Triazolam-D4.
L2LKDY	cutoff 50 ng/mL
LCQQB8	internal standard used was mepivacaine
LXKUR6	Mepivacaine used as internal standard for LC/MS analysis. Mepivacaine and nalorphine used as internal standards for GC/MS analysis.
MFGNUU	cutoff 50 ng/mL
MVB432	internal standard - mepivacaine & nalorphine
NVQMMY	Internal standards - mepivacaine and nalorphine
P8ZR6E	internal standards: mepivacaine, nalorphine
P9TFPV	Internal standard (Codiene D3)
PHJ2VT	Internal Standard-Phenyltoloxamine. A positive Oxycodone Immunoassay result includes a positive result for other drugs not listed, including Oxymorphone.
PKK88D	Preliminary testing indicated the possible presence of an opiate class compound. Unable to pursue as analyst is not authorized to perform this type of confirmation testing.
PW2P9X	Oxymorphone was confirmed by using derivatization with 1-iodobutane and reporting by GC/MS. Mepivacaine is the internal standard used to determine the relative retention time for the compounds reported.
PWZ2LR	Alere iCassette (THC) test device was used to screen for THC, referred to in 1-4 as rapid chromatographic immunoassay. The cutoff concentration for the assay is 50 ng/mL.
QNJZJN	Nalorphine ISTD for opiate extraction

WebCode	Item 3 - Comments
RTD2HG	Oxycodone: Internal Standard: Oxycodone-d6, LOD/LOQ: 10 ng/mL. Oxymorphone: Internal Standard: Oxycodone-d6, LOD/LOQ: 10 ng/mL
T6YTKW	Detection limits 10 ng/mL
V3PKCN	mepivacaine as internal standard
WJ9VCV	internal standard: mepivacaine
WUA4DM	Flurazepam as Internal Standard
YDFDBP	Internal Standard: Mepivacaine and nalorphine
YNW37N	Internal Standard: Phenyltoloxamine
Z383EJ	Phenyltoloxamine Internal Standard used for the base fraction and Heptabarbital use for the acid fraction.
ZMEF87	A GC/MS test was also performed per procedures but was not needed for confirmation. The results of the GC/MS test corroborated the LC-QTOF test. Internal standards used for the LC-QTOF method: Fentanyl-D5 Imipramine-D3 MDMA-D5 Methaqualone-D7 Triazolam-D4
ZWJKVF	Internal Standard: Flurazepam LOD: 10 ng/mL

Additional Test Comments

TABLE 4

WebCode	Additional Comments
63CDWX	Currently analyst is only signed off on AM 7 ELISA screening for drugs of abuse and AM 13 for confirmation of benzodiazepines and z drugs using the LCMS-QQQ in urine.
AAXVKG	["Qualitative Only" reported in Quantitative Reporting Procedures on Tables 1D, 2D, and 3D]
KMN97F	Only analyzed item 1. Did not analyze items 2 and 3.
ZWJKVF	Norfentanyl (Fentanyl metabolite) was identified by GC-MS and LC-MS-MS library searchs since the

laboratory does not have reference material.

-End of Report-(Appendix may follow) Collaborative Testing Services ~ Forensic Testing Program

Test No. 19-5671: Urine Drug Analysis

DATA MUST BE SUBMITTED BY May 13, 2019, 11:59 p.m. TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: P2Z4WM

Scenario:

Investigators have submitted three urine specimens from three separate cases for your analysis. Using your laboratory's procedures, analyze each sample and report the presence of any drugs and/or metabolites.

Case 1: A 21-year-old male college athlete receiving an annual physical complained of being tired. He reported some weight loss and his blood pressure and pulse were slightly elevated. A urine sample was collected for analysis.

Case 2: A 53-year-old male was pulled over for swerving in and out of lanes, driving significantly under the speed limit. The officer noted that the driver seemed relaxed but confused. His pupils were constricted and there was evidence of possible vomit on his shirt. A urine sample was collected for analysis 60 minutes later.

Case 3: A 45-year-old female was subject to a routine pain management compliance drug test. A urine sample was collected for analysis.

-Samples may contain methanol, acetonitrile, and caffeine as artifacts from production.

Items Submitted (Sample Pack UDRG):

Item 1: Urine sample from Case 1 Item 2: Urine sample from Case 2

Item 3: Urine sample from Case 3

Screening Results for Item 1:

- 1-1). Please indicate the screening results for Item 1.
 - No drugs detected utilizing screening methods.
 - Drug(s) detected (list each class and/or drug name below).

No drugs/metabolites detected utilizing confirmatory methods.

Confirmatory Results for Item 1:

1-2). What drugs/metabolites were detected in Item 1? If quantitative determinations were performed, please record raw data in the provided spaces in ng/mL.

	···· 5··· , ··· ,				
Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units	
				()
Date(s) Analysis Performed on Analyte:					
Raw Data (ng/mL):					

- 1-3). If quantitative analysis was performed, are the reported concentrations above
 - A single determination?
 The mean of duplicate / several determinations?
 - Other? (Specify):
- 1-4). Please select the analysis method(s) performed and check whether it was used for screening, confirmatory testing, and/or quantitation. Please list each method only once

Method Used	Screening	Confirmatory	Quantitation

1-5). Additional Comments for Item 1

Please include any relevant information such as internal standard(s) used, limits of detection, etc.

Screening Results for Item 2:

- 2-1). Please indicate the screening results for Item 2.
 - No drugs detected utilizing screening methods.
 - Drug(s) detected (list each class and/or drug name below).

No drugs/metabolites detected utilizing confirmatory methods.

Confirmatory Results for Item 2:

2-2). What drugs/metabolites were detected in Item 2? If quantitative determinations were performed, please record raw data in the provided spaces in ng/mL.

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units)
Date(s) Analysis Performed on Analyte:					
Raw Data (ng/mL):					

- 2-3). If quantitative analysis was performed, are the reported concentrations above
 - A single determination?
 The mean of duplicate / several determinations?
 - Other? (Specify):
- 2-4). Please select the analysis method(s) performed and check whether it was used for screening, confirmatory testing, and/or quantitation. Please list each method only once

Method Used	Screening	Confirmatory	Quantitation

2-5). Additional Comments for Item 2

Please include any relevant information such as internal standard(s) used, limits of detection, etc.

Screening Results for Item 3:

- 3-1). Please indicate the screening results for Item 3.
 - No drugs detected utilizing screening methods.
 - Drug(s) detected (list each class and/or drug name below).

No drugs/metabolites detected utilizing confirmatory methods.

Confirmatory Results for Item 3:

3-2). What drugs/metabolites were detected in Item 3? If quantitative determinations were performed, please record raw data in the provided spaces in ng/mL.

		3 , 3 ,				
	Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units ()
Date	e(s) Analysis Performed on Analyte:					
Raw	Data (ng/mL):					

- 3-3). If quantitative analysis was performed, are the reported concentrations above
 - A single determination?
 The mean of duplicate / several determinations?
 - Other? (Specify):
- 3-4). Please select the analysis method(s) performed and check whether it was used for screening, confirmatory testing, and/or quantitation. Please list each method only once

Method Used	Screening	Confirmatory	Quantitation

3-5). Additional Comments for Item 3

Please include any relevant information such as internal standard(s) used, limits of detection, etc.

Date Samples Received:

Additional Comments on Test

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)

This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

Have the laboratory's designated individual complete the following steps only if your laboratory is accredited in this testing/calibration discipline by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory							
ANAB Certificate No. (Include ASCLD/LAB Certificate here) A2LA Certificate No.							
Step 2: Complete the Laboratory Identifying Information in its entirety							
Authorized Contact Person and Title							
Laboratory Name							
Location (City/State)							