



Blood Drug Analysis Test No. 18-5661 Summary Report

The sample sets contained blood samples from three cases, each with an individual case scenario. Each case sample consisted of two grey-topped vials containing human blood. Participants were requested to examine these items and report their findings. Data were returned from 119 participants and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>3</u>
<u>Table 1: Item 1 Results</u>	<u>4</u>
<u>Table 2: Item 2 Results</u>	<u>23</u>
<u>Table 3: Item 3 Results</u>	<u>57</u>
<u>Table 4: Additional Comments</u>	<u>80</u>
<u>Appendix: Data Sheet</u>	

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 contained blood samples from three cases, each with an individual case scenario. Each case sample consisted of two grey-topped vials containing human blood. Participants were asked to analyze the blood samples and report the presence of any drugs/metabolites and quantitative data obtained (including uncertainty).

SAMPLE PREPARATION-

The human blood used in this test was from the same lot, which tested negative for a variety of common controlled substances prior to being obtained from a commercial supplier.

A stock solution of each drug was used to spike specific items. These solutions were obtained in sealed ampoules and were not opened until needed for production. Items were prepared at separate times using the following procedure, and different glassware was used for each item.

ITEM 1 (PREPARATION): This item was prepared without the addition of any controlled substances. The blood was pipetted into each of the prelabeled vials which contained Potassium Oxalate and Sodium Fluoride. The vials were sealed and inverted multiple times to mix the chemicals in the vials with the blood. All vials were placed in a refrigerator immediately after production and stored there until the sample sets were prepared.

ITEMS 2 and 3 (PREPARATION): Item preparation consisted of adding a predetermined amount of drug stock solution to human whole blood. It was stirred before pipetting the mixture into each of the pre-labeled vials, which contained Potassium Oxalate and Sodium Fluoride. The vials were sealed and inverted multiple times to mix the chemicals in the vials with the blood solution. All vials were placed in a refrigerator immediately after production and stored there until the sample sets were prepared.

SAMPLE SET ASSEMBLY: Each sample set contained two vials of each of the three Items and placed into a Department of Transportation regulated shipping container. The sample packs were then returned to the refrigerator until shipment.

VERIFICATION-

Laboratories that conducted predistribution analysis of samples reported consistent drug/metabolite identifications with one exception, only one participant reported the presence of EDDP. The reported concentration results were proportionally comparable to the preparation drug concentrations. This information is representative of a small number of laboratories, evaluation of results should be deferred until the Summary Report is published.

<u>Item 1 Drug (Concentration)</u>	<u>Item 2 Drug (Concentration)</u>	<u>Item 3 Drug (Concentration)</u>
No drugs or metabolites added	Methadone (260 ng/mL ng/mL) EDDP (70 ng/mL ng/mL) Alprazolam (100 ng/mL ng/mL)	Phencyclidine (65 ng/mL 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 blood. Each participant was supplied with two vials containing human blood spiked with differing drugs and/or metabolites for each of three case scenarios. Participants were asked to report the presence of any drugs/metabolites, quantitative data obtained (including uncertainty), and methods used. (Refer to the Manufacturer's Information for preparation details.)

Of the 117 participants who reported screening results for Item 1, 106 (90.6%) reported "No drugs/metabolites detected." Another 11 participants (9.4%) reported "Drug(s) detected utilizing screening methods", five listing over-the-counter substances, five reporting possible controlled substances and one reporting "no immunoassay was performed". Of the 90 participants that reported results for confirmatory analysis for Item 1, 83 participants (92.2%) confirmed the absence of any drugs/metabolites while seven participants (7.8%) reported detecting substances. These seven participants had also reported the detection of some type of substance during screening, five confirming the presence of over-the-counter substances and two confirming controlled drugs.

Of the 115 participants who responded to the Item 2 screening portion of the test, 114 (99.1%) reported "Drug(s) detected" while one participant reported "No drugs detected utilizing screening methods" however a confirmatory analysis was performed by this participant. There were 112 (98.2%) participants that reported the presence of Alprazolam and/or Benzodiazepines, 87 (76.3%) participants that reported the presence of Methadone and/or Opiates and of these, 19 (16.7%) also reported the presence of EDDP. One participant reported that they did not screen the sample by immunoassay. Of the 111 participants that reported results for confirmatory analysis for Item 2, 109 (98.2%) reported the presence of Methadone, 107 participants (96.4%) reported the presence of Alprazolam and 26 (23.4%) reported the presence of EDDP. Only 25 of the 111 participants reported finding all three substances. There were three participants (2.7%) that reported additional substances in Item 2 that included over-the-counter medications.

Of the 113 participants who reported screening results for Item 3, 82 participants (72.6%) reported "Drug(s) detected" and 79 of these participants reported the presence of Phencyclidine (PCP). There were 31 participants (27.4%) that reported "No drugs detected utilizing screening methods," 25 of which went on to perform a confirmatory analysis. There were three participants that did not report screening results for Item 3, however did perform a confirmatory analysis. Of the 109 participants that reported results for confirmatory analysis for Item 3, 105 participants (96.3%) reported PCP including six participants who also found other substances in addition to PCP. Three participants (2.8%) reported "No drugs/metabolites detected" and one participant reported a combination of over-the-counter and prescription drugs only.

If a participant indicated that the confirmatory quantitative result was a single determination and reported it in ng/mL, the conclusive quantitative result was included in the raw data table. The raw data was used to calculate the grand mean and standard deviation for each item and are supplied to assist the participants and accrediting bodies in determining the acceptability of results. For Item 1, statistical analysis was not performed. For Item 2, there were no participants determined to have "extreme" data (± 3 STD from grand mean) for any of the three drugs present in the sample. For Item 3, two participants were determined to have "extreme" data for PCP.

Screening Results - Item 1

TABLE 1A Item 1

Item Scenario:

A 55 year old male driver was killed in a single-vehicle crash. Witnesses described the car drifting between lanes before crashing into the median. There were no other occupants in the vehicle.

Item Contents and Preparation Concentration: No drugs or metabolites added

Webcode	Screening Results
2ABGZF	No drugs/metabolites detected
2ATE97	No drugs/metabolites detected
2B8WAQ	No drugs/metabolites detected
2BQRRT	No drugs/metabolites detected
2RALHH	No drugs/metabolites detected
2RCBME	No drugs/metabolites detected
2YBZ4J	No drugs/metabolites detected
3L6ZEK	No drugs/metabolites detected
3LJJYH	No drugs/metabolites detected
3QG3ZG	No drugs/metabolites detected
4DDRFF	No drugs/metabolites detected
4DNZXE	No drugs/metabolites detected
4L4FBH	No drugs/metabolites detected
4LXETP	No drugs/metabolites detected
4VKDKU	No drugs/metabolites detected
69BD8G	No drugs/metabolites detected
6GZC6F	No drugs/metabolites detected
6NK9FG	No drugs/metabolites detected
6VFHDT	No drugs/metabolites detected
6VH8HQ	No drugs/metabolites detected
78TYLQ	No drugs/metabolites detected
7GE4VB	No drugs/metabolites detected
82LJZA	No drugs/metabolites detected
84NQUL	No drugs/metabolites detected
84TRBE	No drugs/metabolites detected
87VYAX	No drugs/metabolites detected
89ZEUH	Pregabalin
9CYZ87	No drugs/metabolites detected
9LJJFJ	No drugs/metabolites detected
9RPCAE	No drugs/metabolites detected
9RYXEB	No drugs/metabolites detected

TABLE 1A Item 1

Webcode	Screening Results
A2YURD	No drugs/metabolites detected
ADNQTB	No drugs/metabolites detected
AHZW7W	No drugs/metabolites detected
B3JDYN	No drugs/metabolites detected
B9MCAD	No drugs/metabolites detected
DAEXB9	Caffeine
DAUDAH	No drugs/metabolites detected
DERKZ8	No drugs/metabolites detected
DGY6N8	No drugs/metabolites detected
DLPFY6	No drugs/metabolites detected
DRD8Z7	No drugs/metabolites detected
E2JFA6	No drugs/metabolites detected
EAPBY4	No drugs/metabolites detected
EP9RC2	No drugs/metabolites detected
ERRTBU	No drugs/metabolites detected
ERUNPX	Acetaminophen, Chlorpheniramine, Gabapentin.
EYBZ3Y	No drugs/metabolites detected
FK2ZBE	No drugs/metabolites detected
FVM4KY	No drugs/metabolites detected
FZ76WX	Atenolol, Ibuprofen, Salicylic Acid, Naproxen
G8BQ3Y	No drugs/metabolites detected
GGLV93	No drugs/metabolites detected
GUUGV2	No drugs/metabolites detected
H3EERY	No drugs/metabolites detected
HA4KU2	No drugs/metabolites detected
HGNKCZ	No drugs/metabolites detected
HGZDWF	[No screening results reported.]
HL9YKD	GC/MS Screening: possible gabapentin possible promethazine possible lamotrigine possible cannabinal possible dehydroisoandrosterone possible chlorpheniramine
HZRJ48	No drugs/metabolites detected
J3T68X	No drugs/metabolites detected
JCQLDU	Naproxen, Ibuprofen, Omeprazole, Salicylic Acid
JM2ZA2	No drugs/metabolites detected

TABLE 1A Item 1

Webcode	Screening Results
JPTCUT	No drugs/metabolites detected
K9GZUM	No drugs/metabolites detected
KGBA3W	No drugs/metabolites detected
KKRJ63	No drugs/metabolites detected
KWKWQT	No drugs/metabolites detected
LMXB4V	No drugs/metabolites detected
LQWNPZ	No drugs/metabolites detected
LQWTXG	Acetyl Fentanyl
LRBZLJ	No drugs/metabolites detected
LVBCFX	No drugs/metabolites detected
M2NQCZ	No drugs/metabolites detected
MRPWBW	Caffeine
MWG4TW	No drugs/metabolites detected
NC99QT	No drugs/metabolites detected
NTCXQW	No drugs/metabolites detected
NXQKGU	No drugs/metabolites detected
PJKNXT	No drugs/metabolites detected
PUJKWN	No drugs/metabolites detected
PYA4QQ	No drugs/metabolites detected
QP9NRE	No drugs/metabolites detected
QTMLWF	No drugs/metabolites detected
RB4UWV	No drugs/metabolites detected
RD2H36	[No screening results reported.]
RK7GEF	No drugs/metabolites detected
TVG9HF	No drugs/metabolites detected
TVLCMR	No drugs/metabolites detected
U26DNN	No drugs/metabolites detected
U6RN9N	No drugs/metabolites detected
U8CMFQ	No drugs/metabolites detected
UHBEMW	No drugs/metabolites detected
UPQ9NK	No drugs/metabolites detected
UVYG6N	No drugs/metabolites detected
UX3CQD	No drugs/metabolites detected
VE3L63	No drugs/metabolites detected
VH6KFV	No drugs/metabolites detected
VNU3YD	No drugs/metabolites detected

TABLE 1A Item 1

Webcode	Screening Results
VUY26W	No drugs/metabolites detected
WHQNH	No drugs/metabolites detected
W82PYC	No drugs/metabolites detected
WF4M2M	No drugs/metabolites detected
WFYJXA	Acetaminophen
WL9JLM	No drugs/metabolites detected
WXWVPJ	No drugs/metabolites detected
XANPDY	No drugs/metabolites detected
XLZXGQ	No drugs/metabolites detected
XVM6YF	No drugs/metabolites detected
XVNN2X	No drugs/metabolites detected
XY9RWA	No drugs/metabolites detected
YFPCRK	No drugs/metabolites detected
YLZJDH	No drugs/metabolites detected
YN3D3M	No immunoassay was performed
YUQZXR	No drugs/metabolites detected
YWWCZM	No drugs/metabolites detected
ZEB9V8	No drugs/metabolites detected
ZFMUK9	No drugs/metabolites detected
ZGHQT3	Acetyl Fentanyl

Item 1 - Response Summary	Participants Reporting Screening Results: 117
No drugs/metabolites detected:	106
*Other:	11
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Confirmatory Results - Item 1

What drugs/metabolites were detected in Item 1?

TABLE 1B Item 1

Item Scenario:

A 55 year old male driver was killed in a single-vehicle crash. Witnesses described the car drifting between lanes before crashing into the median. There were no other occupants in the vehicle.

Item Contents and Preparation Concentration: No drugs or metabolites added

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
2ABGZF	No drugs/metabolites detected				
2BQRRT	No drugs/metabolites detected				
2RALHH	No drugs/metabolites detected				
2RCBME	No drugs/metabolites detected				
2YBZ4J	No drugs/metabolites detected				
3LJJYH	No drugs/metabolites detected				
3QG3ZG	No drugs/metabolites detected				
4DDRFF	No drugs/metabolites detected				
4DNZXE	No drugs/metabolites detected				
4LXETP	No drugs/metabolites detected				
6GZC6F	No drugs/metabolites detected				
6NK9FG	No drugs/metabolites detected				
6VFHDT	No drugs/metabolites detected				
6VH8HQ	No drugs/metabolites detected				
78TYLQ	No drugs/metabolites detected				
82LJZA	No drugs/metabolites detected				
84NQUL	No drugs/metabolites detected				
89ZEUH	Meprobamate	✓			
	Methamphetamine	✓			
	Pregabalin	✓			
9LJJFJ	No drugs/metabolites detected				
9RPCAE	No drugs/metabolites detected				
9RYXEB	No drugs/metabolites detected				
A2YURD	No drugs/metabolites detected				
ADNQTB	No drugs/metabolites detected				
AHZW7W	No drugs/metabolites detected				
B3JDYN	No drugs/metabolites detected				

TABLE 1B Item 1

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
B9MCAD	No drugs/metabolites detected				
DAEXB9	Caffeine	✓			
DAUDAH	No drugs/metabolites detected				
DERKZ8	No drugs/metabolites detected				
DGY6N8	No drugs/metabolites detected				
DLPFY6	No drugs/metabolites detected				
E2JFA6	No drugs/metabolites detected				
EAPBY4	No drugs/metabolites detected				
EP9RC2	No drugs/metabolites detected				
ERRTBU	No drugs/metabolites detected				
ERUNPX	No drugs/metabolites detected				
EYBZ3Y	No drugs/metabolites detected				
FK2ZBE	No drugs/metabolites detected				
FVM4KY	No drugs/metabolites detected				
FZ76WX	Atenolol		<50		ng/mL
	Ibuprofen		<5000		ng/mL
	Naproxen		<5000		ng/mL
	Salicylic Acid		<5000		ng/mL
G8BQ3Y	No drugs/metabolites detected				
GGLV93	No drugs/metabolites detected				
GUUGV2	No drugs/metabolites detected				
HA4KU2	No drugs/metabolites detected				
HGNKCZ	No drugs/metabolites detected				
HGZDWF	No drugs/metabolites detected				
HL9YKD	Gabapentin	✓			
J3T68X	No drugs/metabolites detected				
JCQLDU	Ibuprofen		0.7	15%	mg/L
	Naproxen		0.3	15%	mg/L
	Omeprazole	✓			
	Salicylic Acid	✓			
JM2ZA2	No drugs/metabolites detected				
K9GZUM	No drugs/metabolites detected				
KGBA3W	No drugs/metabolites detected				

TABLE 1B Item 1

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
KKRJ63	No drugs/metabolites detected				
LQWTXG	No drugs/metabolites detected				
LVBCFX	No drugs/metabolites detected				
M2NQCZ	No drugs/metabolites detected				
MRPWBN	Caffeine	✓			
NC99QT	No drugs/metabolites detected				
NXQKGU	No drugs/metabolites detected				
PJKNXT	No drugs/metabolites detected				
PYA4QQ	No drugs/metabolites detected				
QP9NRE	No drugs/metabolites detected				
QTMLWF	No drugs/metabolites detected				
RB4UWV	No drugs/metabolites detected				
RD2H36	No drugs/metabolites detected				
TVG9HF	No drugs/metabolites detected				
TVLCMR	No drugs/metabolites detected				
U26DNN	No drugs/metabolites detected				
U6RN9N	No drugs/metabolites detected				
U8CMFQ	No drugs/metabolites detected				
UVYG6N	No drugs/metabolites detected				
VE3L63	No drugs/metabolites detected				
VH6KfV	No drugs/metabolites detected				
VNU3YD	No drugs/metabolites detected				
VUY26W	No drugs/metabolites detected				
WF4M2M	No drugs/metabolites detected				
WfyJXA	Acetaminophen	✓	<250ng/ml		
WXWVPJ	No drugs/metabolites detected				
XANPDY	No drugs/metabolites detected				
XLZXGQ	No drugs/metabolites detected				
XVM6YF	No drugs/metabolites detected				
XVNN2X	No drugs/metabolites detected				
XY9RWA	No drugs/metabolites detected				
YFPCRK	No drugs/metabolites detected				
YLZJDH	No drugs/metabolites detected				

TABLE 1B Item 1

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
YN3D3M	No drugs/metabolites detected				
YUQZXR	No drugs/metabolites detected				
YWWCZM	No drugs/metabolites detected				
ZEB9V8	No drugs/metabolites detected				
ZGHQT3	No drugs/metabolites detected				

Item 1 - Response Summary	Participants Reporting Confirmatory Results: 90
No drugs/metabolites detected:	83
*Other:	7
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Raw Data - Item 1

List of raw data determinations in ng/mL.

TABLE 1C Item 1
Item 1 Raw Data - Other

Webcode	Analyte	Raw Data (ng/mL)
FZ76WX	Atenolol	11.00
	Ibuprofen	1,230.00
	Naproxen	349.00
	Salicylic Acid	587.00
JCQLDU	Ibuprofen	700.00
	Naproxen	300.00

Statistical Analysis for Item 1 - Other

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
6GZC6F	The mean of duplicate/several determinations.
FZ76WX	A single determination.
JCQLDU	A single determination.
M2NQCZ	A single determination.
U8CMFQ	A single determination.
WFYJXA	A single determination.
XY9RWA	No drugs were detected.

Response Summary for Item 1	Participants: 7
A single determination:	5 (71.4%)
The mean of duplicate/several determinations:	1 (14.3%)
Other:	1 (14.3%)

Methods of Analysis - Item 1

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
2ABGZF	Immunoassay	✓		
	GC/MS	✓	✓	
2ATE97	Immunoassay	✓		
	GC/MS	✓		
2B8WAQ	LC/MS/MS	✓		
2BQRRT	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
2RALHH	Immunoassay	✓		
	GC/MS	✓	✓	
2RCBME	Immunoassay	✓		
	LC/MS/MS		✓	
2YBZ4J	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
3L6ZEK	Immunoassay	✓		
3LJJYH	Immunoassay	✓		
	GC/MS		✓	
3QG3ZG	Immunoassay	✓		
	GC/MS/FID		✓	✓
4DDRFF	Immunoassay	✓		
	LC/MS/MS	✓		
	GC/MS	✓		
4DNZXE	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
4L4FBH	Immunoassay	✓		
4LXETP	Immunoassay	✓		
	GC/MS	✓	✓	
4VKDKU	GC/MS	✓		
69BD8G	Immunoassay	✓		
6GZC6F	LC/MS/MS	✓	✓	✓
6NK9FG	Immunoassay	✓		
	GC/MS		✓	
6VFHDT	GC/MS	✓	✓	
	LC/MS/MS	✓	✓	
6VH8HQ	Immunoassay	✓		
	GC/MS		✓	
78TYLQ	LC/MS	✓		
	LC/MS/MS		✓	
7GE4VB	GC/MS	✓	✓	
	LC/MS/MS	✓	✓	

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
82LJZA	Immunoassay	✓		
	GC/MS	✓		
84NQUL	Immunoassay	✓		
	GC/MS	✓		
84TRBE	Immunoassay	✓		
87VYAX	Immunoassay	✓		
	GC/MS	✓		
89ZEUH	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	
9LJFJ	Immunoassay	✓		
	GC/MS		✓	
9RPCAE	LC/MS/MS	✓		
9RYXEB	Immunoassay	✓		
	LC/MS/MS	✓		
A2YURD	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
ADNQTB	Immunoassay	✓		
	GC/MS		✓	
AHZW7W	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
B3JDYN	Immunoassay	✓		
	GC/MS		✓	
B9MCAD	Immunoassay	✓		
	GC/NPD	✓		
	GC/MS	✓		
DAEXB9	Immunoassay	✓		
	GC/MS		✓	
	LC-QTOF	✓		
DAUDAH	Immunoassay	✓		
	GC/MS		✓	
DERKZ8	Immunoassay	✓		
	GC/MS		✓	
	GC/FID			✓
DGY6N8	Immunoassay	✓		
	GC/MS	✓		
DLPFY6	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
DRD8Z7	LC/MS/MS	✓		
	Immunoassay	✓		
E2JFA6	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS	✓	✓	

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
EAPBY4	Immunoassay	✓		
	GC/MS	✓		
EP9RC2	Immunoassay	✓		
	GC/MS	✓		
ERRTBU	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
ERUNPX	LC-QTOF MS	✓		
	LC/MS/MS		✓	
EYBZ3Y	LC/MS/MS	✓	✓	✓
FK2ZBE	Immunoassay	✓		
	GC/MS	✓		
FVM4KY	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	
FZ76WX	UPLC-QTOF-MS	✓	✓	✓
G8BQ3Y	GC/MS	✓	✓	
GGLV93	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
GUUGV2	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
H3EERY	LC/MS/MS	✓		
HA4KU2	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓		
HGNKCZ	LC/MS/MS	✓		
	GC/MS	✓		
	Immunoassay	✓		
HGZDWF	GC/MS		✓	
HL9YKD	Immunoassay	✓		
	GC/MS	✓	✓	
HZRJ48	LC/MS/MS	✓		
J3T68X	Immunoassay	✓		
	GC/MS		✓	
JCQLDU	Immunoassay	✓		
	HPLC-DAD	✓		✓
	LC/MS	✓	✓	
JM2ZA2	Immunoassay	✓		
	GC/MS	✓		
JPTCUT	Immunoassay	✓		
	LC/MS/MS	✓		

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
K9GZUM	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
KGBA3W	Immunoassay	✓		
	GC/MS		✓	
KKRJ63	Immunoassay	✓		
	GC/MS	✓		
KWKWQT	Immunoassay	✓		
LMXB4V	Immunoassay	✓		
LQWNPZ	Immunoassay	✓		
LQWTXG	LC/MS/MS	✓	✓	
LRBZLJ	Immunoassay	✓		
	GC/MS	✓		
LVBCFX	Immunoassay	✓		
	GC/MS/FID		✓	
MRPWBN	Immunoassay	✓		
	LC-QTOF	✓		
	GC/MS		✓	
MWG4TW	Immunoassay	✓		
NC99QT	Immunoassay	✓		
	GC/MS		✓	
NTCXQW	Immunoassay	✓		
NXQKGU	Immunoassay	✓		
	GC/MS		✓	
	GC-FID		✓	
PJKNXT	Immunoassay	✓		
	GC/MS	✓	✓	
PUJKWN	Immunoassay	✓		
PYA4QQ	Immunoassay	✓		
	GC/MS		✓	
QP9NRE	Immunoassay	✓		
	GC/MS		✓	
QTMLWF	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	
RB4UVV	Immunoassay	✓		
	GC/MS		✓	
	GC/FID			✓
RD2H36	GC/MS		✓	
RK7GEF	Immunoassay	✓		
	GC/MS	✓		
TVG9HF	GC/MS	✓		
	LC/MS/MS		✓	
	HPLC/UV-DAD	✓		

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
TVLCMR	Immunoassay GC/MS	✓	✓	
U26DNN	Immunoassay GC/MS	✓ ✓	✓	
U6RN9N	LC/MS/MS	✓	✓	
U8CMFQ	Immunoassay LC/MS/MS	✓ ✓	✓	✓
UHBEMW	LC/MS/MS	✓		
UPQ9NK	Immunoassay	✓		
UVYG6N	Immunoassay GC/MS	✓	✓	
UX3CQD	Immunoassay	✓		
VE3L63	GC/MS LC/MS	✓ ✓	✓ ✓	
VH6KfV	LC/MS/MS GC/MS	✓	✓	
VNU3YD	LC/MS/MS	✓	✓	
VUY26W	Immunoassay GC/MS	✓ ✓	✓	
VHQNH	Immunoassay GC/MS	✓ ✓		
W82PYC	Immunoassay GC/MS	✓ ✓		
WF4M2M	Immunoassay GC/MS LC/MS/MS	✓ ✓	✓ ✓	
WFYJXA	LCMSQTOF GC/MS	✓	✓	✓
WL9JLM	Immunoassay LC/MS/MS GC/MS	✓ ✓ ✓		
WXWVPJ	Immunoassay GC/MS	✓	✓	
XANPDY	Immunoassay GC/MS	✓	✓	
XLZXGQ	Immunoassay GC/MS	✓ ✓		
XVM6YF	Immunoassay LC/QTOF	✓	✓	
XVNN2X	Immunoassay GC/MS	✓ ✓	✓	
XY9RWA	Immunoassay GC/MS GC/FID	✓	✓ ✓	

TABLE 1E Item 1

Webcode	Method	Screening	Confirmatory	Quantitation
YFPCRK	Immunoassay GC/MS/FID	✓	✓	
YLZJDH	Immunoassay GC/MS LC/MS/MS	✓	✓	
YN3D3M	GC/MS	✓	✓	
YWWCZM	Immunoassay GC/MS GC/FID	✓	✓ ✓	✓
ZEB9V8	Immunoassay GC/MS GC/FID	✓	✓ ✓	
ZFMUK9	Immunoassay GC/MS	✓ ✓		
ZGHQT3	LC/MS/MS	✓	✓	

Response Summary for Item 1			Participants: 116
	Screening	Confirmatory	Quantitation
Immunoassay:	91	0	0
GC/MS:	42	51	0
LC/MS:	3	2	0
LC/MS/MS:	30	17	3
Other:	7	16	7

Additional Comments for Item 1

TABLE 1F Item 1

Webcode	Item 1 - Comments
2RALHH	Butyl Acetate- Promazine ISTD
3L6ZEK	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine and zolpidem. Laboratory does not routinely analyze postmortem samples (outside scope of testing).
3LJJYH	Negative Basic-GC/FID is used for quantitation, but not needed. No drugs present.
4DNZXE	No Basic Drugs Detected.
69BD8G	ELISA was used to screen the sample. The sample was screened using Immunalysis kits for Opiates, Benzodiazepines, PCP, Cocaine/BE, Cannabinoids and Methamphetamine.
6VFHDT	Internal Standard flurazepam / Nalorphine
6VH8HQ	Internal Standards used: phenyltoloxamine and heptabarbital
78TYLQ	Gabapentin was detected in all items, which is considered a component of the biological matrix and does not correlate with the context of case.
82LJZA	Indications of promethazine.
84TRBE	The sample was screened for the following type / class of drugs: Amphetamines, Benzodiazepines, Cannabinoids, Cocaine, Opiates, PCP
89ZEUH	Two internal standards were used: Methamphetamine-D9 and Codeine-D3
DAUDAH	Hexobarbital and Phenyltoloxamine were the internal standards used. For the base extract fraction: possible chlorpheniramine noted
E2JFA6	Internal standard: mepivacaine
EAPBY4	Phenyltoloxamine - Internal Standard
EP9RC2	Chlorpheniramine and Promethazine were indicated
ERUNPX	Confirmation of acetaminophen done by UPLC.
FK2ZBE	Butyl acetate screen used promazine as the internal standard.
FVM4KY	A peak with a mass spectrum similar to caffeine was detected by GC-MS. Further confirmation or quantitation is not routinely performed for this analyte at our lab. A peak with a mass spectrum similar to the synthetic cannabinoid JWH 018 2'-naphthyl-N-(3-methylbutyl) isomer was detected by GC-MS. Further confirmation for this analyte is not performed at our lab, due to the lack of certified standard for this cannabinoid.
FZ76WX	Screening & Quantitative analysis for Atenolol, Ibuprofen, Salicylic Acid, Naproxen. Instrument: UPLC-QTOF MS (Waters) (which is LC/MS/MS). Salting-out assisted extraction. Internal Standards: Cyclobarbitone, Prazepam & D3-Methadone. Limits of detection: 5ng/mL
G8BQ3Y	Methaqualone was used as internal standard (ISTD).
GGLV93	mepivacaine was used as internal standard
GUUGV2	Mepivacaine=internal standard
HA4KU2	I.S. mepivacaine
HGNKCZ	internal standards used - mepivacaine, nalorphine, amphetamine-d11, methamphetamine-d11

TABLE 1F Item 1

Webcode	Item 1 - Comments
HGZDWF	Screening was not performed. STI used was tetracosane, limit of detection is 300 ng/ mL
HL9YKD	Other possible drugs in sample include: possible promethazine, possible lamotrigine, possible cannabinal, possible dehydroisoandrosterone, possible chlorpheniramine. Internal Reference Materials Used : Phenyltoloxamine, Hexobarbital, and 11-Hydroxy-Delta 9-THC
J3T68X	Internal standard: Mepivacaine Indications of chlorpheniramine and promethazine.
JCQLDU	LC/MS/MS entry is actually a LC-QTOF-MS, online software would not allow addition of two "Other" methods. ISTD used for quantitation of Ibuprofen and Naproxen was Meclofenamic Acid. LOD Ibuprofen 0.5 mg/L, LOD Naproxen 0.1 mg/L. Omeprazole and Salicylic acid not routinely quantitated.
K9GZUM	No Basic Drugs Detected
KKRJ63	IS - Mepivacaine
KWKWQT	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. No further testing is performed following a none detected screen. Laboratory does not routinely analyze postmortem samples.
LQWNPZ	This specimen screened negative for the following assays: benzodiazepines, cannabinoids, cocaine/metabolites, amphetamines, opiates, and phencyclidine.
MWG4TW	Screening Cut-Offs: Amphetamine: 20 ng/mL. Benzoylcegonine: 50 ng/mL. Carboxy-THC: 20 ng/mL. Methamphetamine: 20 ng/mL. Morphine: 20 ng/mL. Oxazepam: 50 ng/mL
NC99QT	Mepivacaine used as internal standard. Indications of promethazine were observed, but did not meet criteria to report.
NTCXQW	Amphetamine/Methamphetamine/Morphine/C-THC: 20ng/mL, BE/Oxazepam: 50ng/mL
PUJKWN	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. The laboratory does not routinely analyze postmortem samples (outside scope of testing).
PYA4QQ	Internal standard: Mepivacaine Indications of Chlorpheniramine and Lamotrigine
RD2H36	Not detected Flurazepam as Internal Standard
TVG9HF	INTERNAL STANDARD USED FOR GC/MS ANALYSIS : phenobarbital D5. INTERNAL STANDARD USED FOR LC/MS/MS ANALYSIS : CODEINE D3. INTERNAL STANDARDS USED FOR HPLC/UV-DAD: DEXTROPROPOXYPHENE.
U26DNN	Butyl Acetate - Promazine (ISTD)
UX3CQD	Screening test only performed.
VE3L63	Estazolam was used as internal standard.
WF4M2M	LCMSMS internal standard - mepivacaine. GCMS internal standard - mepivacaine
WFYJXA	The Laboratory Lowest Calibration point for Acetaminophen is 0.25ug/ml. Acetaminophen Concentration was considered as <0.25ug/ml
WL9JLM	internal standard - mepivacaine
XANPDY	Phenyltoloxamine IRM. Heptabarbital IRM
XLZXGQ	Chlorpheniramine seen not reported. IS - Mepivacaine

TABLE 1F Item 1

Webcode	Item 1 - Comments
XVNN2X	Promazine used as Internal Standard for GC/MS Screening/Confirmatory testing
ZEB9V8	No Basic Drugs Detected

Screening Results - Item 2

TABLE 2A Item 2

Item Scenario:

A 17 year old male was pulled over by police for an expired registration. The officer noticed that the individual exhibited slow movements and loss of memory. The result of a breath alcohol test was 0.00%. A Drug Recognition Expert arrived and noted that the individual had flaccid muscles and constricted pupils with no reaction to light. A blood sample was collected 90 minutes after the arrest.

Item Contents and Preparation Concentration: Methadone (260 ng/mL)
 EDDP (70 ng/mL)
 Alprazolam (100 ng/mL)

Webcode	Screening Results
2ABGZF	Benzodiazepines, Methadone
2ATE97	methadone alprazolam
2B8WAQ	Alprazolam Methadone
2BQRRT	Benzodiazepines Methadone
2RALHH	Benzodiazepines Methadone Possible Methadone metabolite
2RCBME	Methadone and Alprazolam
2YBZ4J	Methadone Benzodiazepines
3L6ZEK	Benzodiazepines and methadone.
3LJJYH	Benzodiazepines
3QG3ZG	Benzodiazepines
4DDRFF	benzodiazepines alprazolam methadone EDDP
4DNZXE	Benzodiazepines
4L4FBH	Benzodiazepines
4LXETP	Benzodiazepines Methadone
4VKDKU	Alprazolam, methadone.
69BD8G	Benzodiazepines
6GZC6F	Alprazolam, EDDP, Methadone
6NK9FG	Benzodiazepines
6VFHDT	Methadone Alprazolam
6VH8HQ	Benzodiazepines and Methadone
78TYLQ	Alprazolam, methadone.
7GE4VB	Methadone, EDDP, Alprazolam

TABLE 2A Item 2

Webcode	Screening Results
82LJZA	Alprazolam and Methadone
84NQUL	Benzodiazepines Methadone
84TRBE	Benzodiazepines
87VYAX	Methadone Benzodiazepines
89ZEUH	No drugs/metabolites detected
9CYZ87	Methadone Benzodiazepines
9LJFJ	Benzodiazepines, methadone
9RPCAE	Methadone Alprazolam
9RYEB	Immunoassay: Benzodiazepines class indicative. alprazolam, methadone, and eddp found in LCMSMS screen.
A2YURD	Benzodiazepines
ADNQTB	Benzodiazepines
AHZW7W	Benzodiazepines
B3JDYN	Benzodiazepines; methadone
B9MCAD	Benzodiazepines, Methadone
DAEXB9	Alprazolam, caffeine, EDDP, Methadone
DAUDAH	Benzodiazepines Methadone
DERKZ8	Benzodiazepines
DGY6N8	Methadone and Alprazolam
DLPFY6	Benzodiazepines
DRD8Z7	Methadone Alprazolam
E2JFA6	EDDP, methadone, and alprazolam
EAPBY4	Benzodiazepines
EP9RC2	Benzodiazepines Methadone
ERRTBU	methadone alprazolam
ERUNPX	Acetaminophen, Alprazolam, Chlorpheniramine, Gabapentin, Methadone.
EYBZ3Y	Methadone, EDDP, Alprazolam
FK2ZBE	Benzodiazepine/Alprazolam Methadone
FVM4KY	Methadone ,Benzodiazepines
FZ76WX	Alprazolam, Methadone, Atenolol, Ibuprofen, Salicylic Acid, Naproxen, Paracetamol
G8BQ3Y	METHADONE

TABLE 2A Item 2

Webcode	Screening Results
GGLV93	Benzodiazepines (alprazolam) Methadone EDDP (methadone metabolite) (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine)
GUUGV2	benzodiazepines (alprazolam); methadone; EDDP (methadone metabolite)
H3EERY	alprazolam, EDDP and methadone
HA4KU2	alprazolam, methadone, EDDP
HGNKCZ	benzodiazepines: alprazolam methadone 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)
HGZDWF	[No screening results reported.]
HL9YKD	EMIT Screening: Benzodiazepines GC/MS Screening: possible methadone possible alprazolam possible gabapentin possible promethazine possible lamotrigine possible cannabinal possible THC possible dehydroisoandrosterone possible chlorpheniramine
HZRJ48	Alprazolam, EDDP, Methadone
J3T68X	Benzodiazepines and Methadone
JCQLDU	ELISA Benzodiazepines positive, Methadone, Alprazolam, Omeprazole, Paracetamol
JM2ZA2	Methadone, benzodiazepines
JPTCUT	Benzodiazepines, Methadone
K9GZUM	Benzodiazepines
KGBA3W	Methadone Benzodiazepines
KKRJ63	Benzodiazepines, Methadone
KWKWQT	Benzodiazepines and methadone
LMXB4V	Benzodiazepines and Methadone
LQWNPZ	Benzodiazepines
LQWTXG	Acetyl Fentanyl, Alprazolam, EDDP, Methadone
LRBZLJ	Benzodiazepines Methadone
LVBCFX	Benzodiazepines
M2NQCZ	[No screening results reported.]
MRPWBN	Alprazolam, caffeine, EDDP, Methadone
MWG4TW	Benzodiazepines
NC99QT	Benzodiazepines and Methadone indicated positive by ELISA Immunoassay Screening.
NTCXQW	Benzodiazepines

TABLE 2A Item 2

Webcode	Screening Results
NXQKGU	Benzodiazepines
PJKNXT	Benzodiazepines, Methadone
PUJKWN	benzodiazepines methadone
PYA4QQ	[No screening results reported.]
QP9NRE	Specimen screened positive for Benzodiazepines drug class.
QTMLWF	Benzodiazepine Positive ELISA
RB4UVV	Benzodiazepines
RD2H36	[No screening results reported.]
RK7GEF	methadone alprazolam
TVG9HF	METHADONE : OPIODS ALPRAZOLAM: BENZODIAZEPINES
TVLCMR	Benzodiazepines Methadone
U26DNN	Benzodiazepines Possible Opiates
U6RN9N	EDDP, Methadone, Alprazolam
U8CMFQ	Methadone Alprazolam
UHBEMW	Methadone Alprazolam
UPQ9NK	Benzodiazepines and Methadone
UVYG6N	Methadone, Benzodiazepines
UX3CQD	Benzodiazepines Methadone/Metabolite
VE3L63	Alprazolam Methadone
VH6KFV	alprazolam methadone
VNU3YD	Methadone and metabolites and alprazolam
VUY26W	Benzodiazepines, methadone
WHQNH	methadone, benzodiazepines
W82PYC	methadone alprazolam
WF4M2M	Benzodiazepines - indicative
WFYJXA	Alprazolam Methadone
WL9JLM	benzodiazepines, alprazolam, methadone, EDDP (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine)
WXWVPJ	Benzodiazepines, Methadone

TABLE 2A Item 2

Webcode	Screening Results
XANPDY	Benzodiazepines, Methadone
XLZXGQ	Benzodiazepines, Methadone
XVM6YF	Benzodiazepines, Methadone
XVNN2X	Benzodiazepines, Possible Opiates
XY9RWA	Benzodiazepine (drug class)
YFPCRK	Benzodiazepines
YLZJDH	benzodiazepines, alprazolam, methadone, and 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)
YN3D3M	We did not screen sample by immunoassay
YUQZXR	METHADONE BENZODIACEPINES
YWWCZM	Methadone Alprazolam
ZEB9V8	Benzodiazepines
ZFMUK9	methadone alprazolam
ZGHQT3	Acetyl Fentanyl, Alprazolam, EDDP, Methadone

Item 2 - Response Summary	Participants Reporting Screening Results: 115
Methadone/ Opiates:	87
EDDP:	19
Alprazolam/ Benzodiazepines:	112
No drugs/metabolites detected:	1
*Other:	4
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Confirmatory Results - Item 2

What drugs/metabolites were detected in Item 2?

TABLE 2B Item 2

Item Scenario:

A 17 year old male was pulled over by police for an expired registration. The officer noticed that the individual exhibited slow movements and loss of memory. The result of a breath alcohol test was 0.00%. A Drug Recognition Expert arrived and noted that the individual had flaccid muscles and constricted pupils with no reaction to light. A blood sample was collected 90 minutes after the arrest.

Item Contents and Preparation Concentration: Methadone (260 ng/mL)
EDDP (70 ng/mL)
Alprazolam (100 ng/mL)

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
2ABGZF	Methadone	✓			
	Alprazolam	✓			
2ATE97	Methadone		0.19	0.036	mg/L
	Alprazolam		0.097	0.015	mg/L
2BQRRT	Methadone	✓			
	Alprazolam		92	24	ng/mL
2RALHH	Methadone	✓			
	Alprazolam	✓			
2RCBME	Methadone	✓			
	Alprazolam	✓			
2YBZ4J	Methadone		220		ng/mL
	Alprazolam		98		ng/mL
3L6ZEK	Methadone		0.21	±0.04	µg/ml
	Alprazolam		0.11	±0.03	µg/ml
3LJJYH	Methadone		0.09	0.08-0.10	ug/mL
	Alprazolam		83	70-96	ng/mL
3QG3ZG	Methadone		0.14	+/- 0.02	ug/ml
	Alprazolam		106	+/- 17	ng/ml
4DDRFF	Methadone		0.20	0.06	mg/L
	EDDP		lower than the lowest calibrator of 50	N/A	µg/L
	Alprazolam		0.10	0.03	mg/L
4DNZXE	Methadone		0.13	+/- 0.02	ug/mL
	Alprazolam		82	+/- 13.0	ng/mL
4LXETP	Methadone	✓			
	Alprazolam		92	23	ng/mL

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
4VKDKU	Methadone	✓			
	Alprazolam	✓			
69BD8G	Alprazolam		97	+/- 14	ng/mL
6GZC6F	Methadone		409.5	163.8	ng/ml
	EDDP		31.0	12.4	ng/ml
	Alprazolam		164.2	65.7	ng/ml
6NK9FG	Methadone		0.08	+/-13.20%	ug/ml
	Alprazolam		119	=/-15.89%	ng/ml
6VFHDT	Methadone		196	1	ng/mL
	Alprazolam		104	1	ng/ mL
6VH8HQ	Methadone	✓			
	Alprazolam	✓			
78TYLQ	Methadone		108	16,2	ng /mL
	Alprazolam		67	6,4	ng/mL
7GE4VB	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
82LJZA	Methadone	✓			
	Alprazolam	✓			
84NQUL	Methadone	✓			
	Alprazolam		104	28	ng/mL
87VYAX	Methadone	✓			
	Alprazolam		92	15	ng/mL
89ZEUH	Methadone	✓			
	EDDP (methadone Metabolite)				
	Alprazolam	✓			
9CZ87	Methadone		229	39	ng/mL
	Alprazolam		118	17	ng/mL
9LJFJ	Methadone	✓			
	Alprazolam	✓			
9RPCAE	Methadone		197.1	27.5	ng/ml
	Alprazolam		98.6	20.7	ng/ml
9RYXEB	Methadone		0.18	0.05	mg/L
	EDDP	✓			
	Alprazolam		0.11	0.03	mg/L

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
A2YURD	Methadone		0.190 ug/mL	0.17-0.21	ug/mL
	Alprazolam		77 ng/mL	65-89	ng/mL
ADNQTB	Methadone		0.11	+/- 0.01	ug/mL
	Alprazolam		98	+/- 16	ng/mL
AHZW7W	Methadone		0.19	0.03	ug/mL
	Alprazolam		78	12	ng/mL
B3JDYN	Methadone	✓			
	Alprazolam	✓			
B9MCAD	Methadone		0.17	22%	ug/mL
DAEXB9	Methadone		184	16	ng/mL
	EDDP		6.4	08	ng/mL
	Alprazolam		95	15	ng/mL
DAUDAH	Methadone	✓			
	Alprazolam	✓			
DERKZ8	Methadone		0.07 ug/mL	13.20	%
	Alprazolam		83 ng/mL	15.89	%
DGY6N8	Methadone		0.11	13.2%	ug/ml
	Alprazolam		134	15.89%	ng/ml
DLPFY6	Methadone		0.19	+/- 0.03	ug/mL
	Alprazolam		96	+/- 15	ng/mL
DRD8Z7	Methadone		215	29	ng/mL
	Alprazolam		105	18	ng/mL
E2JFA6	Methadone		190	60	ng/mL
	EDDP (2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine)		<50		ng/mL
	Alprazolam		85	26	ng/mL
EAPBY4	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
EP9RC2	Methadone	✓			
	Alprazolam	✓			
ERRTBU	Methadone		0.19	0.035	mg/L
	Alprazolam		0.090	0.014	mg/L
ERUNPX	Methadone		0.21	0.02	mg/L
	Alprazolam		97	6	ng/mL

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
EYBZ3Y	Methadone		230		
	EDDP		9		
	Alprazolam		120		
FK2ZBE	Methadone	✓			
	Alprazolam	✓			
FVM4KY	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
FZ76WX	Methadone		190	60	ng/mL
	Alprazolam		90	6	ng/mL
	Atenolol		<50		ng/mL
	Ibuprofen		<5000		ng/mL
	Naproxen		<5000		ng/mL
	Paracetamol		<5000		ng/mL
	Salicylic Acid		<5000		ng/mL
G8BQ3Y	Methadone	✓			
GGLV93	Methadone		210	60	ng/mL
	EDDP (2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine)		<50	N/A	ng/mL
	Alprazolam		110	30	ng/mL
GUUGV2	Methadone		190	60	ng/mL
	EDDP (methadone metabolite)		<50		ng/mL
	Alprazolam		100	30	ng/mL
H3EERY	Methadone	✓			
	EDDP	✓			
	Alprazolam		129.51	34.96	ng/mL
HA4KU2	Methadone		0.20	0.06	mg/L
	EDDP (2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine)	✓			
	Alprazolam		0.10	0.03	mg/L
HGNKCZ	Methadone		0.20	0.06	mg/L
	2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine (EDDP)		lower than the lowest calibrator of 0.05 mg/L		
	Alprazolam		95	29	mcg/L
HGZDWF	Methadone	✓			
HL9YKD	Methadone	✓			
	Alprazolam	✓			

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
HZRJ48	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
J3T68X	Methadone	✓			
	Alprazolam	✓			
JCQLDU	Methadone		0.15	15%	mg/L
	Alprazolam		Approx. 0.08	15%	mg/L
	Omeprazole	✓			
	Paracetamol	✓			
JM2ZA2	Methadone		0.14	13.2%	ug/ml
	Alprazolam		83	15.89%	ng/ml
K9GZUM	Methadone		0.20	± 0.03	ug/mL
	Alprazolam		84	± 13.3	ng/mL
KGBA3W	Methadone	✓			
KKRJ63	Methadone	✓			
	Alprazolam	✓			
KWKWQT	Methadone		0.21	±0.04	µg/mL
	Alprazolam		0.11	±0.03	µg/mL
LMB4V	Methadone		223 ng/mL		(ng/mL)
	Alprazolam		89 ng/mL		(ng/mL)
LQWNPZ	Alprazolam		96	+/-14	ng/mL
LQWTXG	Methadone		208.27	6.24	ng/ml
	EDDP		39.45	1.57	ng/mL
	Alprazolam		114.64	4.58	ng/mL
LRBZLJ	Methadone	✓			
	Alprazolam		95	15	ng/mL
LVBCFX	Methadone		0.15	+/- 0.02	ug/ml
	Alprazolam		125	+/- 20	ng/ml
M2NQCZ	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
MRPWBN	Methadone		191	17	ng/mL
	EDDP		5.9	0.8	ng/mL
	Alprazolam		99	15	ng/mL
NC99QT	Methadone	✓			
	Alprazolam	✓			

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
NXQKGU	Methadone		0.15	+/-0.02	ug/ml
	Alprazolam		81	+/-13	ng/ml
PJKNXT	Methadone	✓			
	Alprazolam	✓			
PUJKWN	Methadone		0.21	0.04	ug/mL
	Alprazolam		0.10	0.02	ug/mL
QP9NRE	Methadone	✓			
	Alprazolam	✓			
QTMLWF	Methadone		0.18	+/-0.02	ug/ml
	Alprazolam		91	+/-15	ng/ml
RB4UVV	Methadone		0.10	13.2%	ug/mL
	Alprazolam		102	15.89%	ng/mL
RD2H36	Methadone	✓			
	Alprazolam	✓			
RK7GEF	Methadone	✓			
	Alprazolam		0.087	0.013	mg/L
TVG9HF	Methadone	✓			
	Alprazolam	✓			
TVLCMR	Methadone	✓			
	Alprazolam	✓			
U26DNN	Methadone	✓			
	Alprazolam	✓			
U6RN9N	Methadone	✓			
	EDDP	✓			
U8CMFQ	Alprazolam		92.33	+/- 24.92	ng/mL
	Methadone		209	28	ng/mL
UHBEMW	Alprazolam		114	20	ng/mL
	Methadone		218.97	21.89	ng/mL
UPQ9NK	Alprazolam		108.98	8.71	ng/mL
	Methadone		210	42	ng/mL
UVYG6N	Alprazolam		97	19	ng/mL
	Methadone	✓			
VE3L63	Alprazolam	✓			
	Methadone	✓			

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
VH6KFV	Methadone		269		ng/mL
	Alprazolam		87		ng/mL
VNU3YD	Methadone	✓			
	EDDP	✓			
	Alprazolam	✓			
	EMDP	✓			
VUY26W	Methadone		167	7.3	%
	Alprazolam		90	15.0	%
VHQNH	Methadone		220		ng/mL
	Alprazolam		90		ng/mL
W82PYC	Methadone		0.18	0.032	mg/L
	Alprazolam		0.098	0.015	mg/L
WF4M2M	Methadone		0.20	0.06	mg/L
	2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine (EDDP)		<0.05		mg/L
	Alprazolam		82	25	mcg/L
WFYJXA	Methadone		175	13.2%	ng/ml
	Alprazolam		91.041	13.9%	ng/ml
WL9JLM	Methadone		220	70	ng/mL
	EDDP (2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine)		see note below [Table 2F]		ng/mL
	Alprazolam		100	30	ng/mL
WXWVPJ	Methadone	✓			
	Alprazolam	✓			
XANPDY	Methadone	✓			
	Alprazolam	✓			
XLZXGQ	Methadone	✓			
	Alprazolam	✓			
XVM6YF	Methadone		0.30	0.04	mg/L
	EDDP	✓			
	Alprazolam		0.10	0.01	mg/L
XVNN2X	Methadone	✓			
	Alprazolam	✓			
XY9RWA	Methadone		0.19	+/- 0.03	µg/mL
	Alprazolam		71	+/- 11	ng/mL
YFPCRK	Methadone		0.10	+/-0.01	ug/ml
	Alprazolam		100	+/-16	ng/ml

TABLE 2B Item 2

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
YLZJDH	Methadone		0.21	0.06	mg/L
	2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine (EDDP)		lower than the lowest calibrator of 0.05		mg/L
	Alprazolam		82	25	mcg/L
YN3D3M	Methadone	✓			
	Alprazolam	✓			
YUQZXR	Methadone		0.2		mg/L
	Alprazolam		0.09		mg/L
YWWCZM	Methadone		0.21	+/-0.03	ug/mL
	Alprazolam		82	+/-13	ng/mL
ZEB9V8	Methadone		0.21	±0.03	ug/mL
	Alprazolam		80	±12.7	ng/mL
ZFMUK9	Methadone		0.19	0.035	mg/L
	Alprazolam		0.090	0.014	mg/L
ZGHQT3	Methadone		212.66	6.37	ng/ml
	EDDP		22.79	0.91	ng/ml
	Alprazolam		117.69	4.70	ng/ml

Item 2 - Response Summary	Participants Reporting Confirmatory Results: 111
	Methadone: 109
	EDDP: 26
	Alprazolam: 107
	*Other: 3
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Raw Data - Item 2

List of raw data determinations in ng/mL.

TABLE 2C Item 2
Item 2 Raw Data - Methadone
Preparation concentration: (260 ng/mL)

Webcode	Raw Data (ng/mL)					Participant Mean
2ATE97	199.1					199.1
2YBZ4J	221.1					221.1
3L6ZEK	213.5					213.5
3LJJYH	97.00					97.00
3QG3ZG	140.0					140.0
4DDRFF	202.0					202.0
4DNZXE	134.0					134.0
6NK9FG	86.00					86.00
6VFHDT	196.0	198.0	211.0	212.0		204.3
78TYLQ	133.0	94.00	98.00	102.0	108.0 128.0	110.5
9CYZ87	229.0					229.0
9RPCAE	197.1					197.1
9RYXEB	167.0	197.0				182.0
A2YURD	190.0					190.0
ADNQTB	111.0					111.0
AHZW7W	196.0					196.0
B9MCAD	173.2					173.2
DAEXB9	173.3	189.9	188.0			183.7
DERKZ8	74.00					74.00
DGY6N8	118.0					118.0
DLPFY6	193.0					193.0
DRD8Z7	215.0					215.0
E2JFA6	193.2	189.0				191.1
ERRTBU	194.6					194.6
ERUNPX	220.0	192.0				206.0
EYBZ3Y	233.0					233.0
FZ76WX	190.0					190.0
GGLV93	209.0					209.0

TABLE 2C Item 2
Item 2 Raw Data - Methadone
Preparation concentration: (260 ng/mL)

Webcode	Raw Data (ng/mL)			Participant Mean
GUUGV2	187.0			187.0
HA4KU2	200.0			200.0
HGNKCZ	208.2	197.0		202.6
JCQLDU	150.0	150.0		150.0
JM2ZA2	145.0			145.0
K9GZUM	209.0			209.0
KWKWQT	217.6			217.6
LMXB4V	223.0			223.0
LQWTXG	207.3			207.3
LVBCFX	156.0			156.0
MRPWBN	182.9	197.9	193.4	191.4
NXQKGU	157.0			157.0
PUJKWN	214.9			214.9
QTMLWF	189.0			189.0
RB4UWV	102.0			102.0
U8CMFQ	209.0			209.0
UHBEMW	219.0			219.0
UPQ9NK	210.0			210.0
VH6KFV	269.0			269.0
VUY26W	167.0	200.0		183.5
VHQNH	217.5			217.5
W82PYC	180.2			180.2
WF4M2M	197.6	206.0		201.8
WFYJXA	175.0			175.0
WL9JLM	217.0			217.0
XVM6YF	298.0	305.0		301.5
XY9RWA	191.0			191.0
YFPCRK	100.0			100.0
YLZJDH	218.4	223.6	181.0	207.6
YUQZXR	200.0			200.0

TABLE 2C Item 2
Item 2 Raw Data - Methadone
Preparation concentration: (260 ng/mL)

Webcode	Raw Data (ng/mL)	Participant Mean
YWWCZM	212.0	212.0
ZEB9V8	217.0	217.0
ZFMUK9	195.1	195.1
ZGHQT3	212.7	212.7

Statistical Analysis for Item 2 - Methadone

Grand Mean	186.5	Number of Participants Included	62	Number of Participants without Raw Data or Data that was not reported in ng/mL	0
Standard Deviation	42.88	Number of Participants Excluded	0		

TABLE 2C Item 2
Item 2 Raw Data - EDDP
Preparation concentration: (70 ng/mL)

Webcode	Raw Data (ng/mL)		Participant Mean
4DDRFF	18.00		18.00
DAEXB9	5.910	6.930	6.420
E2JFA6	40.00		40.00
EYBZ3Y	9.000		9.000
GGLV93	18.00		18.00
GUUGV2	10.00		10.00
HA4KU2	18.00		18.00
HGNKCZ	11.00		11.00
LQWTXG	39.45		39.45
MRPWBN	5.590	6.250	5.920
WF4M2M	21.00		21.00
WL9JLM	20.00		20.00
YLZJDH	11.00		11.00
ZGHQT3	22.79		22.79

Statistical Analysis for Item 2 - EDDP

Grand Mean	17.90	Number of Participants Included	14	Number of Participants without Raw Data or Data that was not reported in ng/mL	0
Standard Deviation	10.75	Number of Participants Excluded	0		

TABLE 2C Item 2
Item 2 Raw Data - Alprazolam
Preparation concentration: (100 ng/mL)

Webcode	Raw Data (ng/mL)						Participant Mean
2ATE97	97.25						97.25
2BQRRT	93.14	92.45					92.80
2YBZ4J	97.90						97.90
3L6ZEK	117.2						117.2
3LJJYH	83.70						83.70
3QG3ZG	106.0						106.0
4DDRFF	100.2						100.2
4DNZXE	82.70						82.70
4LXETP	92.00						92.00
69BD8G	96.90						96.90
6NK9FG	119.0						119.0
6VFHDT	105.0	106.0	104.0	105.0			105.0
78TYLQ	67.00	67.00	66.00	60.00	63.00	64.00	64.50
84NQUL	105.1	103.8					104.5
87VYAX	92.78						92.78
9CZ87	118.0						118.0
9RPCAE	98.69						98.69
9RYXEB	108.2						108.2
A2YURD	77.09						77.09
ADNQT8	98.80						98.80
AHZW7W	78.10						78.10
DAEXB9	95.26	95.43					95.35
DERKZ8	83.48						83.48
DGY6N8	134.0						134.0
DLPFY6	96.00						96.00
DRD8Z7	105.0						105.0
E2JFA6	80.83	89.06					84.95
ERRTBU	90.11						90.11
ERUNPX	101.0	92.20					96.60
EYBZ3Y	120.0						120.0

TABLE 2C Item 2
Item 2 Raw Data - Alprazolam
Preparation concentration: (100 ng/mL)

Webcode	Raw Data (ng/mL)		Participant Mean
FZ76WX	86.70		86.70
GGLV93	105.0		105.0
GUUGV2	99.90		99.90
H3EERY	129.5		129.5
HA4KU2	100.6		100.6
HGNKCZ	95.25		95.25
JCQLDU	80.00	80.00	80.00
JM2ZA2	83.12		83.12
K9GZUM	84.70		84.70
KWKWQT	114.3		114.3
LMXB4V	89.00		89.00
LQWNPZ	95.60		95.60
LQWTXG	114.6		114.6
LRBZLJ	95.42		95.42
LVBCFX	125.0		125.0
MRPWBN	101.8	95.56	98.67
NXQKGU	81.70		81.70
PUJKWN	105.1		105.1
QTMLWF	91.60		91.60
RB4UWV	102.0		102.0
RK7GEF	87.40		87.40
U6RN9N	92.33		92.33
U8CMFQ	114.0		114.0
UHBEMW	109.0		109.0
UPQ9NK	97.00		97.00
VH6KFV	87.00		87.00
VUY26W	90.00	112.0	101.0
VHQNH	90.32		90.32
W82PYC	98.49		98.49
WF4M2M	82.20		82.20

TABLE 2C Item 2
Item 2 Raw Data - Alprazolam
Preparation concentration: (100 ng/mL)

Webcode	Raw Data (ng/mL)		Participant Mean
WFYJXA	91.04		91.04
WL9JLM	104.5		104.5
XVM6YF	102.7	99.75	101.2
XY9RWA	71.20		71.20
YFPCRK	100.0		100.0
YLZJDH	80.42	83.92	82.17
YUQZXR	90.00		90.00
YWWCZM	82.32		82.32
ZEB9V8	80.40		80.40
ZFMUK9	90.04		90.04
ZGHQT3	117.7		117.7

Statistical Analysis for Item 2 - Alprazolam

Grand Mean	96.96	Number of Participants Included	71	Number of Participants without Raw Data or Data that was not reported in ng/mL	0
Standard Deviation	13.59	Number of Participants Excluded	0		

TABLE 2C Item 2
Item 2 Raw Data - Other

Webcode	Analyte	Raw Data (ng/mL)
FZ76WX	Atenolol	12.00
	Ibuprofen	1,097.00
	Naproxen	340.00
	Paracetamol	80.00
	Salicylic Acid	545.00

Statistical Analysis for Item 2 - Other

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
2ATE97	A single determination.
2BQRRT	The mean of duplicate/several determinations.
2YBZ4J	A single determination.
3L6ZEK	A single determination.
3LJJYH	A single determination.
3QG3ZG	A single determination.
4DDRFF	A single determination.
4DNZXE	A single determination.
4LXETP	A single determination.
69BD8G	A single determination.
6GZC6F	The mean of duplicate/several determinations.
6NK9FG	A single determination.
6VFHDT	The mean of duplicate/several determinations.
78TYLQ	The mean of duplicate/several determinations.
84NQUL	The mean of duplicate/several determinations.
87VYAX	A single determination.
9CYZ87	A single determination.
9RPCAE	A single determination.
9RYXEB	both
A2YURD	A single determination.
ADNQTB	A single determination.
AHZW7W	A single determination.
B9MCAD	A single determination.
DAEXB9	The mean of duplicate/several determinations.
DERKZ8	A single determination.
DGY6N8	A single determination.
DLPFY6	A single determination.
DRD8Z7	A single determination.
E2JFA6	The mean of duplicate/several determinations.

TABLE 2D Item 2

Webcode	Quantitative Reporting Procedures
ERRTBU	A single determination.
ERUNPX	The mean of duplicate/several determinations.
EYBZ3Y	A single determination.
FZ76WX	A single determination.
GGLV93	A single determination.
GUUGV2	A single determination.
H3EERY	A single determination.
HA4KU2	A single determination.
HGNKCZ	alprazolam- single determination; methadone - mean of duplicate/several determinations
J3T68X	A single determination.
JCQLDU	The mean of duplicate/several determinations.
JM2ZA2	A single determination.
K9GZUM	A single determination.
KWKWQT	A single determination.
LMXB4V	A single determination.
LQWNPZ	A single determination.
LQWTXG	A single determination.
LVBCFX	A single determination.
M2NQCZ	A single determination.
MRPWBN	The mean of duplicate/several determinations.
NXQKGU	A single determination.
PUJKWN	A single determination.
QTMLWF	A single determination.
RB4UWV	A single determination.
RD2H36	A single determination.
RK7GEF	A single determination.
U6RN9N	A single determination.
U8CMFQ	A single determination.
UHBEMW	A single determination.
UPQ9NK	A single determination.
VH6KFV	A single determination.
VUY26W	A single determination.

TABLE 2D Item 2

Webcode	Quantitative Reporting Procedures
VHQNH	A single determination.
W82PYC	A single determination.
WF4M2M	A single determination.
WFYJXA	A single determination.
WL9JLM	A single determination.
XVM6YF	The mean of duplicate/several determinations.
XY9RWA	A single determination.
YFPCRK	A single determination.
YLZJDH	The mean of duplicate/several determinations.
YUQZXR	The mean of duplicate/several determinations.
YWWCZM	A single determination.
ZEB9V8	A single determination.
ZFMUK9	A single determination.
ZGHQT3	A single determination.

Response Summary for Item 2	Participants: 75
A single determination:	60 (80.0%)
The mean of duplicate/several determinations:	13 (17.3%)
Other:	2 (2.7%)

Methods of Analysis - Item 2

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
2ABGZF	Immunoassay GC/MS	✓ ✓	✓	
2ATE97	Immunoassay GC/MS LC/MS LC/MS/MS	✓ ✓	✓ ✓	✓ ✓
2B8WAQ	LC/MS/MS	✓		
2BQRRT	Immunoassay GC/MS LC/MS/MS	✓	✓ ✓	✓
2RALHH	Immunoassay GC/MS	✓ ✓	✓	
2RCBME	Immunoassay LC/MS/MS	✓	✓	
2YBZ4J	Immunoassay LC/MS/MS GC/MS	✓	✓ ✓	✓ ✓
3L6ZEK	Immunoassay LC/MS/MS	✓	✓	✓
3LJJYH	Immunoassay GC/MS LC/MS/MS GC/FID	✓	✓ ✓	✓ ✓
3QG3ZG	Immunoassay GC/MS LC/MS/MS GC/FID	✓	✓ ✓	✓ ✓
4DDRFF	Immunoassay LC/MS/MS GC/MS	✓ ✓	✓ ✓	✓
4DNZXE	Immunoassay GC/MS LC/MS/MS GC/FID	✓	✓ ✓	✓ ✓
4L4FBH	Immunoassay	✓		
4LXETP	Immunoassay GC/MS LC/MS/MS	✓ ✓	✓ ✓	
4VKDKU	GC/MS		✓	
69BD8G	Immunoassay LC/MS/MS	✓	✓	✓
6GZC6F	LC/MS/MS	✓	✓	✓

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
6NK9FG	Immunoassay	✓		
	LC/MS/MS		✓	✓
	GC/MS		✓	
6VFHDT	GC/MS	✓	✓	
	LC/MS/MS	✓	✓	
6VH8HQ	Immunoassay	✓		
	GC/MS		✓	
78TYLQ	LC/MS	✓		✓
	LC/MS/MS		✓	
7GE4VB	GC/MS	✓	✓	
	LC/MS/MS	✓	✓	
82LJZA	Immunoassay	✓		
	GC/MS		✓	
84NQUL	Immunoassay	✓		
	GC/MS		✓	✓
	LC/MS/MS		✓	
84TRBE	Immunoassay	✓		
87VYAX	Immunoassay	✓		
	GC/MS	✓	✓	✓
89ZEUH	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	
9CZ87	Immunoassay	✓		
	LC/MS/MS		✓	✓
9LJFJ	Immunoassay	✓		
	GC/MS	✓	✓	
9RPCAE	LC/MS/MS	✓	✓	
9RYXEB	Immunoassay	✓		
	LC/MS/MS	✓	✓	✓
	GC/MS		✓	
A2YURD	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	✓
	GC/FID		✓	✓
ADNQTB	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	✓
	GC/FID			✓
AHZW7W	Immunoassay	✓		
	GC/MS		✓	
	LC/MS		✓	✓
	GC/FID			✓
B3JDYN	Immunoassay	✓		
	GC/MS		✓	
B9MCAD	Immunoassay	✓		
	GC/NPD &/MS	✓	✓	

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
DAEXB9	Immunoassay	✓		
	LC/MS/MS		✓	✓
	LC-QTOF	✓		
DAUDAH	Immunoassay	✓		
	GC/MS		✓	
DERKZ8	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	✓
	GC/FID			✓
DGY6N8	Immunoassay	✓		
	GC/MS		✓	✓
	LC/MS/MS		✓	✓
DLPFY6	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS			✓
	GC/FID			✓
DRD8Z7	LC/MS/MS	✓	✓	✓
	Immunoassay	✓		
E2JFA6	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS	✓	✓	
EAPBY4	Immunoassay	✓		
	GC/MS	✓	✓	
	LC/MS/MS		✓	
EP9RC2	Immunoassay	✓		
	GC/MS		✓	
ERRTBU	Immunoassay	✓		
	GC/MS	✓		
	LC/MS		✓	✓
	LC/MS/MS		✓	✓
ERUNPX	GC/MS	✓		
	LC/MS/MS			✓
	LC-QTOF MS	✓		
EYBZ3Y	LC/MS/MS	✓	✓	✓
FK2ZBE	Immunoassay	✓		
	GC/MS	✓	✓	
FVM4KY	Immunoassay	✓		
	LC/MS/MS		✓	
FZ76WX	Immunoassay	✓		
	UPLC-QTOF-MS	✓	✓	✓
	LC/MS/MS		✓	✓
G8BQ3Y	GC/MS	✓	✓	
GGLV93	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS	✓	✓	✓

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
GUUGV2	Immunoassay	✓		
	LC/MS/MS	✓	✓	✓
H3EERY	LC/MS/MS	✓		
	LC/MS/MS		✓	✓
HA4KU2	Immunoassay	✓		
	GC/MS	✓		
	LC/MS/MS	✓	✓	✓
HGNKCZ	Immunoassay	✓		
	LC/MS	✓	✓	✓
	GC/MS	✓	✓	
HGZDWF	GC/MS		✓	
HL9YKD	Immunoassay	✓		
	GC/MS	✓	✓	
HZRJ48	LC/MS/MS	✓	✓	
J3T68X	Immunoassay	✓		
	GC/MS		✓	
JCQLDU	Immunoassay	✓		
	LC-QTOF-MS	✓	✓	
	LC/MS/MS		✓	✓
JM2ZA2	Immunoassay	✓		
	GC/MS		✓	✓
	LC/MS/MS		✓	✓
JPTCUT	Immunoassay	✓		
	LC/MS/MS	✓		
K9GZUM	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	✓
	LC/MS/MS			✓
KGBA3W	Immunoassay	✓		
	GC/MS		✓	
KKRJ63	Immunoassay	✓		
	GC/MS		✓	
KWKWQT	Immunoassay	✓		
	LC/MS/MS		✓	✓
LMXB4V	Immunoassay	✓		
	LC/MS/MS		✓	✓
LQWNPZ	Immunoassay	✓		
	LC/MS/MS		✓	✓
LQWTXG	LC/MS/MS	✓	✓	✓
LRBZLJ	Immunoassay	✓		
	GC/MS	✓	✓	✓
LVBCFX	Immunoassay	✓		
	LC/MS/MS		✓	✓
	GC/MS		✓	
	GC/FID			✓
M2NQCZ	LC/MS/MS		✓	

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
MRPWBN	Immunoassay LC/MS/MS LC-QTOF	✓	✓	✓
MWG4TW	Immunoassay	✓		
NC99QT	Immunoassay GC/MS	✓	✓	
NTCXQW	Immunoassay	✓		
NXQKGU	Immunoassay GC/MS LC/MS/MS GC FID	✓	✓	✓ ✓
PJKNXT	Immunoassay GC/MS	✓ ✓	✓	
PUJKWN	LC/MS/MS Immunoassay	✓	✓	✓
QP9NRE	Immunoassay GC/MS	✓	✓	
QTMLWF	Immunoassay GC/MS GC/FID LC/MS/MS	✓	✓	✓ ✓
RB4UVV	Immunoassay LC/MS/MS GC/MS GC/FID	✓	✓ ✓	✓ ✓
RD2H36	GC/MS		✓	
RK7GEF	Immunoassay GC/MS LC/MS LC/MS/MS	✓ ✓ ✓	✓ ✓	✓
TVG9HF	HPLC/UV-DAD GC/MS LC/MS/MS	✓ ✓	✓	
TVLCMR	Immunoassay GC/MS	✓	✓	
U26DNN	Immunoassay GC/MS	✓ ✓	✓	
U6RN9N	LC/MS/MS	✓	✓	✓
U8CMFQ	Immunoassay LC/MS/MS	✓ ✓	✓	✓
UHBEMW	LC/MS/MS	✓	✓	✓
UPQ9NK	Immunoassay LC/MS/MS	✓	✓	✓
UVYG6N	Immunoassay GC/MS	✓	✓	
UX3CQD	Immunoassay	✓		

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
VE3L63	LC/MS	✓		
	LC/MS/MS		✓	
VH6KFV	LC/MS/MS	✓		
	GC/MS		✓	
VNU3YD	LC/MS/MS	✓	✓	
VUY26W	Immunoassay	✓		
	GC/MS	✓	✓	
	GC/NPD			✓
VHQNH	Immunoassay	✓		
	GC/MS	✓	✓	✓
W82PYC	Immunoassay	✓		
	GC/MS	✓		
	LC/MS		✓	✓
	LC/MS/MS		✓	✓
WF4M2M	Immunoassay	✓		
	LC/MS/MS	✓	✓	✓
	GC/MS		✓	
WYJXA	LCMSQTOF		✓	✓
	GC/MS	✓		
WL9JLM	Immunoassay	✓		
	LC/MS/MS	✓	✓	✓
	GC/MS	✓	✓	
WXWVPJ	Immunoassay	✓		
	GC/MS		✓	
XANPDY	Immunoassay	✓		
	GC/MS		✓	
XLZXGQ	Immunoassay	✓		
	GC/MS		✓	
XVM6YF	Immunoassay	✓		
	LC/MS/MS			✓
	LC/QTOF		✓	
XVNN2X	Immunoassay	✓		
	GC/MS	✓	✓	
XY9RWA	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	✓
	LC/MS/MS		✓	✓
YFPCRK	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS		✓	✓
	GC/FID			✓
YLZJDH	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS	✓		✓
YN3D3M	GC/MS	✓	✓	

TABLE 2E Item 2

Webcode	Method	Screening	Confirmatory	Quantitation
YUQZXR	Immunoassay GC/MS	✓	✓	✓
YWWCZM	Immunoassay GC/MS LC/MS/MS GC/FID	✓	✓ ✓ ✓	✓ ✓
ZEB9V8	Immunoassay GC/MS GC/FID LC/MS/MS	✓	✓ ✓	✓ ✓
ZFMUK9	Immunoassay GC/MS LC/MS LC/MS/MS	✓ ✓	✓ ✓	✓ ✓
ZGHQT3	LC/MS/MS	✓	✓	✓

Response Summary for Item 2		Participants: 118		
	Screening	Confirmatory	Quantitation	
Immunoassay:	93	0	0	
GC/MS:	29	70	9	
LC/MS:	4	7	7	
LC/MS/MS:	26	64	56	
Other:	6	11	20	

Additional Comments for Item 2

TABLE 2F Item 2

Webcode	Item 2 - Comments
2RALHH	Butyl Acetate- Promazine ISTD, Benzo Confirmation- Prazepam ISTD (20ug/mL), Opiate Confirmation- Nalorphine ISTD
3L6ZEK	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine and zolpidem. Benzodiazepine confirmation panel includes alprazolam, diazepam, 7-aminodiazepam, clonazepam, lorazepam, nordiazepam, oxazepam and temazepam. Alprazolam-D5 and methadone-D3 used as internal standards. LOQ/LOD for alprazolam is 5ng/ml. LOD/LOQ for methadone is 10ng/ml.
4DDRFF	EDDP's chemical name is 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine, and is a metabolite of methadone.
4L4FBH	I am currently not competent in confirming Benzodiazepines.
69BD8G	Alprazolam-D5 was used as an internal standard with a limit of detection of 10 ng/mL.
6NK9FG	Quantitation by GC/FID
6VFHDT	Internal Standard: flurazepam / nalorphine
6VH8HQ	Internal Standards used: phenyltoloxamine and heptabarbital
78TYLQ	Gabapentin was detected in all items, which is considered a component of the biological matrix and does not correlate with the context of the case.
82LJZA	EDDP indications not reported.
84TRBE	The sample was screened for the following type / class of drugs: Amphetamines, Benzodiazepines, Cannabinoids, Cocaine, Opiates, PCP. No confirmatory method was used on this sample since that is beyond my current qualifications.
89ZEUH	Diazepam-D5 was used as internal standard
9RYXEB	Alprazolam quantification was a single determination. Methadone was a mean of two values. EDDP concentration is lower than a lowest calibrator of 0.050 mg/L. (eddp = 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine)
B9MCAD	Benzodiazepines are only screened in-house. Confirmations are currently outsourced to [laboratory]. Therefore, no benzodiazepine confirmations were able to be performed. Note: Methadone was screened using GC/NPD and GC/MS and confirmed using GC/NPD.
DAUDAH	Hexobarbital and Phenyltoloxamine were the internal standards used.
E2JFA6	Internal standards used: mepivacaine, diazepam-d5; clonazepam-d4; gabapentin-d4. Quantitation for EDDP was less than the lowest calibrator of 50 ng/mL
EAPBY4	Phenyltoloxamine - Internal Standard
EP9RC2	Gabapentin related compound indicated. Chlorpheniramine indicated. EDDP indicated
ERUNPX	Confirmation of acetaminophen done by UPLC.
FK2ZBE	Butyl acetate screen used promazine as the internal standard. Opiate confirmation used nalorphine as the internal standard. Benzodiazepine confirmation used prazepam as the internal standard.
FVM4KY	Alprazolam: we used clonazepam -D4 as internal standard. LOD: 10 ng/mL; Methadone, EDDP : we used trimipramine D3 as internal standard LOD : 50 ng/mL

TABLE 2F Item 2

Webcode	Item 2 - Comments
FZ76WX	Methadone, Atenolol, Ibuprofen, Salicylic Acid, Naproxen, Paracetamol. Screening & Quantitative analysis. Instrument: UPLC-QTOF MS (Waters) (which is LC/MS/MS). Salting-out assisted extraction. Internal Standards: Cyclobarbitone, Prazepam & D3-Methadone. Limits of detection: 5 ng/mL. Alprazolam Quantitative Analysis. Instrument: UPLC-TQD (Waters). Internal Standard: D5-Diazepam. LOD: 1 ng/mL
G8BQ3Y	Methaqualone was used as internal standard (ISTD).
GGLV93	mepivacaine and/or diazepam-d5 was used as internal standard. Lowest calibrator for EDDP is 50 ng/mL
GUUGV2	Mepivacaine and/or diazepam-d5 used as internal standard; lowest calibrator for EDDP (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine)= 50 ng/mL
HA4KU2	I.S. mepivacaine, diazepam d5 EDDP (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine) quantitative result of 18 µg/L is lower than the lowest calibrator of 50 µg/L and above the limit of report of 3.0 µg/L
HGNKCZ	internal standards used: mepivacaine, nalorphine, diazepam-d5, clonazepam-d4; amphetamine-d11, methamphetamine-d11. Limit of Report (LoR) for 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP): 3 mcg/L
HGZDWF	Screening was not performed. STI used was tetracosane, limit of detection is 300 ng/ mL, positive methadone detected.
HL9YKD	Other possible drugs in sample include: possible gabapentin, possible promethazine, possible lamotrigine, possible cannabinal, possible THC, possible dehydroisoandrosterone, possible chlorpheniramine. Internal Reference Materials Used : Phenyltoloxamine, Hexobarbital, and 11-Hydroxy-Delta 9-THC
J3T68X	Gabapentin related compound and EDDP seen. Trace peaks of Xylazine, Chlorpheniramine, Promethazine, and Lamotrigine seen.
JCQLDU	D3 methadone ISTD used to quantitate methadone, prazepam ISTD used to quantitate alprazolam.
KGBA3W	This sample would be forwarded for further benzodiazepine testing.
KKRJ63	IS - Mepivacaine
KWKWQT	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. Benzodiazepine confirmation/quantitation panel includes 7-aminoclonazepam, alprazolam, diazepam, clonazepam, lorazepam, nordiazepam, oxazepam, and temazepam using 7-aminoclonazepam-D4, alprazolam-D5, diazepam-D5, oxazepam-D5, and temazepam-D5 as internal standards. LOQ/LOD for all aforementioned benzodiazepines is 5 ng/mL. Perform confirmation/quantitation of methadone using methadone-D3 as internal standard following positive methadone screen. LOQ/LOD for methadone is 10 ng/mL.
LMB4V	limit of detection for both drugs is 10 ng/mL. IS-Alprazolam-D5 and Methadone-D9
LQWNPZ	1) This specimen screened negative for the following assays: cannabinoids, cocaine/metabolites, amphetamines, opiates, and phencyclidine. 2) The specimen was 'none detected' for the following compounds: oxazepam, alpha-hydroxyalprazolam, nordiazepam, lorazepam, clonazepam, and diazepam. 3) The cutoff for alprazolam is 10ng/mL.
LQWTXG	Alprazolam: Internal standard - Alprazolam-D5; LOQ - 5ng/mL. EDDP: Internal standard - EDDP-D3; LOQ - 5ng/mL. Methadone: Internal standard - Methadone-D9; LOQ - 5ng/mL
MWG4TW	Screening Cut-Offs: Amphetamine: 20 ng/mL. Benzoylcegonine: 50 ng/mL. Carboxy-THC: 20 ng/mL. Methamphetamine: 20 ng/mL. Morphine: 20 ng/mL. Oxazepam: 50 ng/mL

TABLE 2F Item 2

Webcode	Item 2 - Comments
NC99QT	Internal Standard: Mepivacaine. Indicated but not reported: Chlorpheniramine and EDDP.
NTCXQW	Amphetamine/Methamphetamine/Morphine/C-THC: 20ng/mL, BE/Oxazepam: 50ng/mL
PUJKWN	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. alprazolam-D5 used as internal standard. LOD/LOQ for alprazolam is 5 ng/mL. methadone-D3 used as internal standard. LOD/LOQ for methadone is 10 ng/mL.
RD2H36	Flurazepam as Internal Standard
TVG9HF	INTERNAL STANDARD USED FOR GC/MS ANALYSIS: PHENOBARBITAL D5. INTERNAL SATDARD USED FOR HPLC/UV-DAD ANALYSIS : DEXTROPROPOXYPHENE . INETRNL SATANDARD USED FOR LC/MS/MS ANALYSIS : CODEINE D3
U26DNN	Butyl Acetate - Promazine (ISTD); extra methadone positive control run with second butyl acetate test to verify retention time. Benzodiazepine - Prazepam (ISTD), Opiate - Nalorphine (ISTD)
UPQ9NK	Alprazolam: Internal Standard: Alprazolam-d5, LOD/LLOQ: 5 ng/mL. Methadone: Internal Standard: Methadone-d9, LOD/LLOQ: 10 ng/mL
UVYG6N	Prazepam Internal Standard, Major ions of EDDP detected
UX3CQD	Screening test only performed.
VE3L63	Internal standard: estazolam.
WF4M2M	LCMSMS Internal Standard - mepivacaine. GCMS Internal Standard - mepivacaine. LCMSMS Quantitative internal standard (alprazolam) - diazepam-D5. LCMSMS Quantitative internal standard (methadone & 2-ethylidene-1,5-dimethyl-3,3- diphenylpyrrolidine (EDDP)) - mepivacaine. 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP) lowest calibrator is 0.05 mg/L.
WL9JLM	EDDP reported lower than the lowest calibrator of 50 ng/mL. Internal standards - mepivacaine and diazepam-d5. Limit of report: Alprazolam = 3.125 ng/mL. methadone = 25 ng/mL. EDDP (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine) = 3 ng/mL
XANPDY	Phenyltoloxamine IRM Heptabarbital IRM
XLZXGQ	EDDP seen not reported.
XVNN2X	Promazine Internal Standard used for GC/MS screening. Prazepam Internal Standard used for Benzo extraction. Nalorphine Internal Standard used for Opiate extraction
XY9RWA	Internal standard used for the GC was Mepivacaine. Internal standards used for the LC were Alpha-Hydroxyalprazolam-D5 and Diazepam-D5.
YLZJDH	lowest calibrator for 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP) quantitation is 0.05 mg/L (limit of report is 0.003 mg/L)
ZGHQT3	Internal Standards Alprazolam-D5, EDDP-D3, Methadone-D9 LOQ 5ng/ml Alprazolam, EDDP, Methadone

Screening Results - Item 3

TABLE 3A Item 3

Item Scenario:

A 32 year old female was arrested for assaulting a bystander and the arresting officer. The officer reported that she exhibited rigid muscles, slurred speech, and had a blank stare. A blood sample was collected 50 minutes after the arrest.

Item Contents and Preparation Concentration: Phencyclidine (65 ng/mL)

Webcode	Screening Results
2ABGZF	Phencyclidine
2ATE97	phencyclidine
2B8WAQ	No drugs/metabolites detected
2BQRRT	Phencyclidine
2RALHH	Phencyclidine
2RCBME	Phencyclidine
2YBZ4J	Phencyclidine
3L6ZEK	Phencyclidine
3LJJYH	No drugs/metabolites detected
3QG3ZG	No drugs/metabolites detected
4DDRFF	phencyclidine
4DNZXE	No drugs/metabolites detected
4L4FBH	Phencyclidine
4LXETP	Phencyclidine (PCP)
4VKDKU	[Participant reported that drugs were detected, but did not report the drug class or name]
69BD8G	Phencyclidine
6GZC6F	Phencyclidine
6NK9FG	No drugs/metabolites detected
6VFHDT	Phencyclidine (PCP)
6VH8HQ	Phencyclidine and benzodiazepines
78TYLQ	PCP (phencyclidine)
7GE4VB	Phencyclidine
82LJZA	Phencyclidine
84NQUL	Phencyclidine
84TRBE	PCP
87VYAX	Phencyclidine
89ZEUH	No drugs/metabolites detected
9CYZ87	Phencyclidine
9LJJFJ	[No screening results reported.]
9RPAE	Phencyclidine (PCP)
9RYXEB	phencyclidine was found in an LCMSMS screen.
A2YURD	No drugs/metabolites detected

TABLE 3A Item 3

Webcode	Screening Results
ADNQTB	No drugs/metabolites detected
AHZW7W	No drugs/metabolites detected
B3JDYN	Phencyclidine
B9MCAD	Phencyclidine
DAEXB9	Phencyclidine, caffeine
DAUDAH	PCP (Phencyclidine)
DERKZ8	No drugs/metabolites detected
DGY6N8	phencyclidine
DLPFY6	No drugs/metabolites detected
DRD8Z7	Phencyclidine
E2JFA6	phencyclidine
EAPBY4	Phencyclidine
EP9RC2	No drugs/metabolites detected
ERRTBU	phencyclidine
ERUNPX	Acetaminophen, Chlorpheniramine, Gabapentin, Phencyclidine (tentative).
EYBZ3Y	Phencyclidine
FK2ZBE	Phencyclidine
FVM4KY	Phencyclidine
FZ76WX	Atenolol, Ibuprofen, Salicylic Acid, Naproxen, Paracetamol
G8BQ3Y	PHENCYCLIDINE (PCP)
GGLV93	phencyclidine
GUUGV2	phencyclidine
H3EERY	phencyclidine
HA4KU2	phencyclidine
HGNKCZ	phencyclidine
HGZDWF	[No screening results reported.]
HL9YKD	EMIT Screening: PCP GC/MS Screening: possible gabapentin possible chlorpheniramine possible promethazine possible lamotrigine possible dehydroisoandrosterone
HZRJ48	Phencyclidine (PCP)
J3T68X	The immunoassay drug screen resulted in no drugs detected. The first GCMS test resulted in the indication/detection of Phencyclidine (PCP).
JCQLDU	Paracetamol, Phencyclidine (PCP), Omeprazole
JM2ZA2	phencyclidine
JPTCUT	Phencyclidine
K9GZUM	No drugs/metabolites detected

TABLE 3A Item 3

Webcode	Screening Results
KGBA3W	No drugs/metabolites detected
KKRJ63	No drugs/metabolites detected
KWKWQT	Phencyclidine
LMXB4V	Phencyclidine
LQWNPZ	Phencyclidine
LQWTXG	Acetyl Fentanyl, Phencyclidine
LRBZLJ	Phencyclidine
LVBCFX	No drugs/metabolites detected
M2NQCZ	[No screening results reported.]
MRPWBN	Phencyclidine, caffeine.
MWG4TW	No drugs/metabolites detected
NC99QT	No drugs/metabolites detected
NTCXQW	No drugs/metabolites detected
NXQKGU	No drugs/metabolites detected
PJKNXT	Phencyclidine
PUJKWN	phencyclidine
PYA4QQ	[No screening results reported.]
QP9NRE	No drugs/metabolites detected
QTMLWF	No drugs/metabolites detected
RB4UW	No drugs/metabolites detected
RD2H36	[No screening results reported.]
RK7GEF	phencyclidine
TVG9HF	PHENCYCLIDINE: ILLICITS STIMULANTS
TVLCMR	No drugs/metabolites detected
U26DNN	Phencyclidine
U6RN9N	Phencyclidine
U8CMFQ	Phencyclidine (PCP)
UHBEMW	PCP
UPQ9NK	No drugs/metabolites detected
UVYG6N	[No screening results reported.]
UX3CQD	Phencyclidine
VE3L63	phencyclidine
VH6KFV	PCP
VNU3YD	phencyclidine
VUY26W	Phencyclidine
VHQNH	PCP
W82PYC	phencyclidine
WF4M2M	PCP - LCMSMS Screening method

TABLE 3A Item 3

Webcode	Screening Results
WFYJXA	No drugs/metabolites detected
WL9JLM	phencyclidine (PCP)
WXWVPJ	Phencyclidine
XANPDY	PCP
XLZXGQ	No drugs/metabolites detected
XVM6YF	No drugs/metabolites detected
XVNN2X	PCP
XY9RWA	No drugs/metabolites detected
YFPCRK	No drugs/metabolites detected
YLZJDH	phencyclidine
YN3D3M	No Immunoassay performed
YUQZXR	PHENCYCLIDINE (PCP)
YWWCZM	PCP
ZEB9V8	No drugs/metabolites detected
ZFMUK9	phencyclidine
ZGHQT3	Acetyl Fentanyl, Phencyclidine

Item 3 - Response Summary	Participants Reporting Screening Results: 113
Phencyclidine:	79
No drugs/metabolites detected:	31
*Other:	6
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Confirmatory Results - Item 3

What drugs/metabolites were detected in Item 3?

TABLE 3B Item 3

Item Scenario:

A 32 year old female was arrested for assaulting a bystander and the arresting officer. The officer reported that she exhibited rigid muscles, slurred speech, and had a blank stare. A blood sample was collected 50 minutes after the arrest.

Item Contents and Preparation Concentration: Phencyclidine (65 ng/mL)

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
2ABGZF	Phencyclidine	✓			
2ATE97	Phencyclidine		0.054	0.0085	mg/L
2BQRRT	Phencyclidine	✓			
2RALHH	Phencyclidine	✓			
2YBZ4J	Phencyclidine		30		ng/mL
3L6ZEK	Phencyclidine		48	±11	ng/ml
3LJJYH	Phencyclidine	✓			
3QG3ZG	Phencyclidine	✓			
4DDRFF	Phencyclidine	✓			
4DNZXE	Phencyclidine	✓			
4L4FBH	Phencyclidine		42	+/- 5	ng/mL
4LXETP	Phencyclidine		47	11	ng/mL
4VKDKU	Phencyclidine	✓			
69BD8G	Phencyclidine		38	+/- 5	ng/mL
6GZC6F	Phencyclidine		110.3	44.12	ng/ml
6NK9FG	Phencyclidine	✓			
6VFHDT	Phencyclidine		menor que 100	1	ng/mL
6VH8HQ	Phencyclidine	✓			
78TYLQ	Phencyclidine	✓			
7GE4VB	Phencyclidine	✓			
82LJZA	Phencyclidine	✓			
84NQUL	Phencyclidine	✓			
87VYAX	Phencyclidine		39	7	ng/mL
89ZEUH	Phencyclidine	✓			
	Pregabalin	✓			

TABLE 3B Item 3

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
9CYZ87	Phencyclidine	✓			
9RPCAE	Phencyclidine		35.9	5.7	ng/ml
9RYXEB	Phencyclidine	✓			
A2YURD	Phencyclidine	✓			
ADNQTB	Phencyclidine (PCP)	✓			
AHZW7W	Phencyclidine	✓			
B3JDYN	Phencyclidine	✓			
B9MCAD	Phencyclidine		41	11%	ng/mL
DAEXB9	Phencyclidine Caffeine	✓	<0.05		
DAUDAH	PCP (Phencyclidine)	✓			
DERKZ8	Phencyclidine	✓			
DGY6N8	Phencyclidine	✓			
DLPFY6	Phencyclidine	✓			
DRD8Z7	Phencyclidine		46	7	ng/mL
E2JFA6	Phencyclidine	✓			
EAPBY4	Phencyclidine	✓			
EP9RC2	Phencyclidine	✓			
ERRTBU	Phencyclidine		0.042	0.0066	mg/L
ERUNPX	No drugs/metabolites detected				
EYBZ3Y	Phencyclidine		37		
FK2ZBE	Phencyclidine	✓			
FVM4KY	Phencyclidine	✓			
FZ76WX	Atenolol		<50		ng/mL
	Ibuprofen		<5000		ng/mL
	Naproxen		<5000		ng/mL
	Paracetamol		<5000		ng/mL
	Salicylic Acid		<5000		ng/mL
G8BQ3Y	PHENCYCLIDINE (PCP)	✓			
GGLV93	Phencyclidine	✓			
GUUGV2	Phencyclidine	✓			

TABLE 3B Item 3

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
H3EERY	Phencyclidine	✓			
HA4KU2	Phencyclidine	✓			
HGNKCZ	Phencyclidine	✓			
HGZDWF	Phencyclidine	✓			
HL9YKD	Phencyclidine	✓			
	Gabapentin	✓			
HZRJ48	Phencyclidine	✓			
J3T68X	Phencyclidine	✓			
JCQLDU	Phencyclidine	✓			
	Omeprazole	✓			
	Paracetamol	✓			
JM2ZA2	Phencyclidine	✓			
JPTCUT	Phencyclidine	✓			
K9GZUM	Phencyclidine	✓			
KGBA3W	No drugs/metabolites detected				
KKRJ63	Phencyclidine	✓			
KWKWQT	Phencyclidine		50	± 12	ng/mL
LMXB4V	Phencyclidine (PCP)		46		(ng/mL)
LQWNPZ	Phencyclidine		36	+/-5	ng/mL
LQWTXG	Phencyclidine		52.10	1.56	ng/mL
LRBZLJ	Phencyclidine		38	7	ng/mL
LVBCFX	Phencyclidine	✓			
M2NQCZ	PCP	✓			
	Phencyclidine	✓			
MRPWBN	Phencyclidine		<0.05		ng/mL
	Caffeine	✓			
NC99QT	Phencyclidine				
NXQKGU	Phencyclidine	✓			
PJKNXT	Phencyclidine	✓			
PUJKWN	Phencyclidine		40	10	ng/mL
QP9NRE	Phencyclidine	✓			

TABLE 3B Item 3

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
QTMLWF	Phencyclidine	✓			
RB4UV	Phencyclidine	✓			
RD2H36	Phencyclidine	✓			
RK7GEF	Phencyclidine		0.057	0.0089	mg/L
TVG9HF	Phencyclidine	✓			
TVLCMR	Phencyclidine	✓			
U26DNN	Phencyclidine	✓			
U6RN9N	Phencyclidine	✓			
U8CMFQ	Phencyclidine		51	8	ng/mL
UHBEMW	Phencyclidine		51.78	5.17	ng/mL
VE3L63	Phencyclidine	✓			
VH6KFV	Phencyclidine	✓			
VNU3YD	Phencyclidine	✓			
VUY26W	Phencyclidine		43	2.7	%
VHQNH	Phencyclidine	✓			
W82PYC	Phencyclidine		0.054	0.0085	mg/L
WF4M2M	Phencyclidine	✓			
WFYJXA	No drugs/metabolites detected				
WL9JLM	Phencyclidine	✓			
WXWVPJ	Phencyclidine	✓			
XANPDY	Phencyclidine	✓			
XLZXGQ	Phencyclidine	✓			
XVM6YF	Phencyclidine	✓			
XVNN2X	Phencyclidine	✓			
XY9RWA	Phencyclidine	✓	Positive		ug/mL
YFPCRK	Phencyclidine	✓			
YLZJDH	Phencyclidine	✓			
YN3D3M	Phencyclidine	✓			
YUQZXR	Phencyclidine		0.04		mg/L
YWWCZM	Phencyclidine	✓			

TABLE 3B Item 3

Webcode	Analyte Reported	Qualitative Only	Reported Concentration	Uncertainty	Units
ZEB9V8	Phencyclidine	✓			
ZFMUK9	Phencyclidine		0.042	0.0066	mg/L
ZGHQT3	Phencyclidine		49.05	1.47	ng/ml

Item 3 - Response Summary	Participants Reporting Confirmatory Results: 109
Phencyclidine:	105
No drugs/metabolites detected:	3
*Other:	1
<p>Participants can report multiple drugs/metabolites therefore the sum of the values here may be greater than the total number of participants responding for this item.</p>	

*This category represents the total number of participants that reported a response other than that which is listed above.

Raw Data - Item 3

List of raw data determinations in ng/mL.

TABLE 3C Item 3
Item 3 Raw Data - Phencyclidine
Preparation concentration: (65 ng/mL)

Webcode	Raw Data (ng/mL)				Participant Mean
2ATE97	54.40				54.40
2YBZ4J	30.35				30.35
3L6ZEK	48.24				48.24
4L4FBH	42.20				42.20
4LXETP	47.00				47.00
69BD8G	38.10				38.10
6VFHDT	48.00	46.00	48.00	48.00	47.50
87VYAX	39.60				39.60
9RPCAE	35.94				35.94
B9MCAD	40.95				40.95
DAEXB9	0.0500	0.0500			0.0500
DRD8Z7	46.00				46.00
ERRTBU	42.09				42.09
EYBZ3Y	37.00				37.00
KWKWQT	50.11				50.11
LMXB4V	46.00				46.00
LQWNPZ	35.70				35.70
LQWTXG	52.10				52.10
LRBZLJ	38.81				38.81
MRPWBN	0.0500	0.0500			0.0500
PUJKWN	40.91				40.91
RK7GEF	57.32				57.32
U8CMFQ	51.00				51.00
UHBEMW	51.78				51.78
VUY26W	43.18	45.16			44.17
W82PYC	54.22				54.22
YUQZXR	40.00				40.00
ZFMUK9	42.16				42.16

TABLE 3C Item 3
Item 3 Raw Data - Phencyclidine
Preparation concentration: (65 ng/mL)

Webcode	Raw Data (ng/mL)	Participant Mean	
ZGHQT3	49.05	49.05	
Statistical Analysis for Item 3 - Phencyclidine			
Grand Mean	44.54	Number of Participants Included	27
Standard Deviation	6.687	Number of Participants Excluded	0
		Number of Participants without Raw Data or Data that was not reported in ng/mL	

TABLE 3C Item 3
Item 3 Raw Data - Other

Webcode	Analyte	Raw Data (ng/mL)
FZ76WX	Atenolol	12.00
	Ibuprofen	1,152.0
	Naproxen	347.0
	Paracetamol	92.00
	Salicylic Acid	449.0

Statistical Analysis for Item 3 - Other

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:

TABLE 3D Item 3

WebCode	Quantitative Reporting Procedures
2ATE97	A single determination.
2YBZ4J	A single determination.
3L6ZEK	A single determination.
4L4FBH	A single determination.
4LXETP	A single determination.
69BD8G	A single determination.
6GZC6F	The mean of duplicate/several determinations.
6VFHDT	The mean of duplicate/several determinations.
84NQUL	A single determination.
87VYAX	A single determination.
9RPCAE	A single determination.
B9MCAD	A single determination.
DAEXB9	The mean of duplicate/several determinations.
DGY6N8	A single determination.
DRD8Z7	A single determination.
ERRTBU	A single determination.
EYBZ3Y	A single determination.
FZ76WX	A single determination.
K9GZUM	A single determination.
KWKWQT	A single determination.
LMXB4V	A single determination.
LQWNPZ	A single determination.
LQWTXG	A single determination.
LVBCFX	A single determination.
M2NQCZ	A single determination.
MRPWBN	The mean of duplicate/several determinations.
PUJKWN	A single determination.

TABLE 3D Item 3

WebCode	Quantitative Reporting Procedures
QTMLWF	None
RB4UVV	A single determination.
RD2H36	A single determination.
RK7GEF	A single determination.
UHBEMW	A single determination.
VUY26W	A single determination.
W82PYC	A single determination.
WFYJXA	A single determination.
XY9RWA	No quantitative analysis was performed for Phencyclidine.
YUQZXR	A single determination.
ZEB9V8	A single determination.
ZFMUK9	A single determination.
ZGHQT3	A single determination.

Response Summary for Item 3	Participants: 40
A single determination:	34 (85.0%)
The mean of duplicate/several determinations:	4 (10.0%)
Other:	2 (5.0%)

Methods of Analysis - Item 3

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
2ABGZF	Immunoassay GC/MS	✓ ✓	✓	
2ATE97	Immunoassay GC/MS	✓ ✓	✓	✓
2B8WAQ	LC/MS/MS	✓		
2BQRRT	Immunoassay GC/MS	✓	✓	
2RALHH	Immunoassay GC/MS	✓ ✓	✓	
2RCBME	Immunoassay	✓		
2YBZ4J	GC/MS	✓	✓	✓
3L6ZEK	Immunoassay LC/MS/MS	✓	✓	✓
3LJJYH	Immunoassay GC/MS	✓	✓	
3QG3ZG	Immunoassay GC/MS/FID	✓	✓	
4DDRFF	Immunoassay LC/MS/MS GC/MS	✓ ✓	✓ ✓	
4DNZXE	Immunoassay GC/MS GC/FID	✓	✓ ✓	
4L4FBH	Immunoassay GC/MS	✓	✓	✓
4LXETP	Immunoassay GC/MS	✓ ✓	✓	
4VKDKU	GC/MS		✓	
69BD8G	Immunoassay GC/MS	✓	✓	✓
6GZC6F	LC/MS/MS	✓	✓	✓
6NK9FG	Immunoassay GC/MS	✓	✓	
6VFHDT	GC/MS LC/MS/MS	✓ ✓	✓	
6VH8HQ	Immunoassay GC/MS	✓	✓	
78TYLQ	LC/MS LC/MS/MS	✓	✓	
7GE4VB	GC/MS LC/MS/MS	✓ ✓	✓ ✓	

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
82LJZA	Immunoassay GC/MS	✓	✓	
84NQUL	Immunoassay GC/MS	✓	✓	
84TRBE	Immunoassay	✓		
87VYAX	Immunoassay GC/MS	✓	✓	✓
89ZEUH	Immunoassay GC/MS LC/MS/MS	✓	✓ ✓	
9CZY87	GC/MS	✓	✓	
9RPCAE	LC/MS/MS	✓	✓	
9RYXEB	Immunoassay LC/MS/MS GC/MS	✓ ✓	✓ ✓	
A2YURD	Immunoassay GC/MS GC-FID	✓	✓ ✓	
ADNQTB	Immunoassay GC/MS	✓	✓	
AHZW7W	Immunoassay GC/MS GC/FID	✓	✓ ✓	
B3JDYN	Immunoassay GC/MS	✓	✓	
B9MCAD	Immunoassay GC/MS GC/NPD	✓ ✓	✓	
DAEXB9	Immunoassay GC/MS LC-QTOF	✓ ✓	✓	✓
DAUDAH	Immunoassay GC/MS	✓	✓	
DERKZ8	Immunoassay GC/MS GC/FID	✓	✓ ✓	
DGY6N8	Immunoassay GC/MS	✓	✓	
DLPFY6	Immunoassay GC/MS GC/FID	✓	✓ ✓	
DRD8Z7	Immunoassay LC/MS/MS	✓ ✓	✓	✓

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
E2JFA6	Immunoassay	✓		
	LC/MS/MS	✓	✓	
	GC/MS		✓	
EAPBY4	Immunoassay	✓		
	GC/MS		✓	
EP9RC2	Immunoassay	✓		
	GC/MS	✓	✓	
ERRTBU	Immunoassay	✓		
	GC/MS		✓	✓
ERUNPX	LC/MS/MS		✓	
	LC-QTOF MS	✓		
EYBZ3Y	LC/MS/MS	✓	✓	✓
FK2ZBE	Immunoassay	✓		
	GC/MS	✓	✓	
FVM4KY	Immunoassay	✓		
	LC/MS/MS	✓	✓	
	GC/MS		✓	
FZ76WX	UPLC-QTOF-MS	✓	✓	✓
G8BQ3Y	GC/MS	✓	✓	
GGLV93	Immunoassay	✓		
	GC/MS		✓	
	LC/MS/MS	✓	✓	
GUUGV2	Immunoassay	✓		
	LC/MS/MS	✓	✓	
H3EERY	LC/MS/MS	✓		
	LC/MS/MS		✓	✓
HA4KU2	Immunoassay	✓		
	GC/MS	✓	✓	
	LC/MS/MS	✓		
HGNKCZ	Immunoassay	✓		
	LC/MS	✓	✓	
	GC/MS	✓	✓	
HGZDWF	GC/MS		✓	
HL9YKD	Immunoassay	✓		
	GC/MS	✓	✓	
HZRJ48	LC/MS/MS	✓	✓	
J3T68X	Immunoassay	✓		
	GC/MS	✓	✓	
JCQLDU	Immunoassay	✓		
	LC-QTOF-MS	✓	✓	
	GC/MS	✓		
JM2ZA2	Immunoassay	✓		
	GC/MS		✓	
JPTCUT	Immunoassay	✓		
	LC/MS/MS		✓	

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
K9GZUM	Immunoassay GC/MS GC/FID	✓	✓ ✓	
KGBA3W	Immunoassay GC/MS	✓	✓	
KKRJ63	Immunoassay GC/MS	✓ ✓	✓	
KWKWQT	Immunoassay LC/MS/MS	✓	✓	✓
LMXB4V	Immunoassay LC/MS/MS	✓	✓	✓
LQWNPZ	Immunoassay GC/MS	✓	✓	✓
LQWTXG	LC/MS/MS	✓	✓	✓
LRBZLJ	Immunoassay GC/MS	✓	✓	✓
LVBCFX	Immunoassay GC/MS/FID	✓	✓	
M2NQCZ	LC/MS/MS		✓	
MRPWBN	Immunoassay GC/MS LC-QTOF	✓ ✓	✓	✓
MWG4TW	Immunoassay	✓		
NC99QT	Immunoassay GC/MS	✓ ✓	✓	
NTCXQW	Immunoassay	✓		
NXQKGU	Immunoassay GC/MS GC-FID	✓	✓ ✓	
PJKNXT	Immunoassay GC/MS	✓ ✓	✓	
PUJKWN	LC/MS/MS Immunoassay	✓	✓	✓
QP9NRE	Immunoassay GC/MS	✓	✓	
QTMLWF	Immunoassay GC/MS GC/FID	✓	✓ ✓	
RB4UVV	Immunoassay GC/MS GC/FID	✓	✓	✓
RD2H36	GC/MS		✓	
RK7GEF	Immunoassay GC/MS	✓ ✓	✓	✓

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
TVG9HF	HPLC/UV-DAD	✓		
	GC/MS	✓		
	LC/MS/MS		✓	
TVLCMR	Immunoassay	✓		
	GC/MS		✓	
U26DNN	Immunoassay	✓		
	GC/MS	✓	✓	
U6RN9N	LC/MS/MS	✓	✓	
U8CMFQ	Immunoassay	✓		
	LC/MS/MS	✓	✓	✓
UHBEMW	LC/MS/MS	✓	✓	✓
UPQ9NK	Immunoassay	✓		
UX3CQD	Immunoassay	✓		
VE3L63	LC/MS	✓		
	LC/MS/MS		✓	
VH6KfV	LC/MS/MS	✓		
	GC/MS		✓	
VNU3YD	LC/MS/MS	✓	✓	
VUY26W	Immunoassay	✓		
	GC/MS	✓	✓	
	GC/NPD			✓
VHQNH	Immunoassay	✓		
	GC/MS	✓	✓	
W82PYC	Immunoassay	✓		
	GC/MS	✓	✓	✓
WF4M2M	Immunoassay	✓		
	LC/MS/MS	✓	✓	
	GC/MS		✓	
WFYJXA	GC/MS	✓		
WL9JLM	Immunoassay	✓		
	LC/MS/MS	✓	✓	
	GC/MS	✓	✓	
WXWVPJ	Immunoassay	✓		
	GC/MS		✓	
XANPDY	Immunoassay	✓		
	GC/MS		✓	
XLZXGQ	Immunoassay	✓		
	GC/MS	✓	✓	
XVM6YF	Immunoassay	✓		
	LC/QTOF		✓	
XVNN2X	Immunoassay	✓		
	GC/MS	✓	✓	
XY9RWA	Immunoassay	✓		
	GC/MS		✓	
	GC/FID		✓	

TABLE 3E Item 3

WebCode	Method	Screening	Confirmatory	Quantitation
YFPCRK	Immunoassay GC/MS/FID	✓	✓	
YLZJDH	Immunoassay GC/MS LC/MS/MS	✓	✓	
YN3D3M	GC/MS	✓	✓	
YUQZXR	Immunoassay LC/MS/MS GC/MS	✓	✓	✓
YWWCZM	Immunoassay GC/MS GC/FID	✓	✓	✓
ZEB9V8	Immunoassay GC/MS GC/FID	✓	✓	
ZFMUK9	Immunoassay GC/MS	✓	✓	✓
ZGHQT3	LC/MS/MS	✓	✓	✓

Response Summary for Item 3		Participants: 116		
		Screening	Confirmatory	Quantitation
Immunoassay:		88	0	0
GC/MS:		31	77	14
LC/MS:		3	1	0
LC/MS/MS:		26	34	12
Other:		7	17	4

Additional Comments for Item 3

TABLE 3F Item 3

WebCode	Item 3 - Comments
2RALHH	Butyl Acetate- Promazine ISTD
3L6ZEK	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine and zolpidem. Phencyclidine-D5 used as internal standard. LOQ/LOD for phencyclidine is 2.5ng/ml.
3LJJYH	GC/FID is used for quantitation, but was not needed in this case. (Qualitative only)-per lab policy
4DNZXE	The laboratory does not quantitate Phencyclidine.
4L4FBH	We use Phencyclidine D5 for our internal standard. Our cut-off is 10ng/mL
69BD8G	Phencyclidine-D5 was used as an internal standard with a limit of detection of 5 ng/mL.
6VFHDT	Internal Standard: fluorazepam, nalorphine.
6VH8HQ	Internal Standards used: phenyltoloxamine and heptabarbital
78TYLQ	Gabapentin was detected in all items, which is considered a component of the biological matrix and does not correlate with the context of the case.
84TRBE	The sample was screened for the following type / class of drugs: Amphetamines, Benzodiazepines, Cannabinoids, Cocaine, Opiates, PCP. No confirmatory method was used on this sample since that is beyond my current qualifications.
89ZEUH	Two internal standards were used: Methamphetamine-D9 and Codeine-D3
A2YURD	Phencyclidine only reported as positive.
DAEXB9	LOQ for PCP.
DAUDAH	Hexobarbital and Phenyltoloxamine were the internal standards used. For the base extract fraction: possible chlorpheniramine noted
E2JFA6	Internal standard: mepivacaine
EAPBY4	Phenyltoloxamine - Internal Standard
EP9RC2	Chlorpheniramine and Promethazine indicated
ERUNPX	The detection of phencyclidine was determined by a single QTOF Screen analysis. Confirmation/quantitation has not yet been completed. Confirmation of acetaminophen done by UPLC.
FK2ZBE	Butyl acetate screen used promazine as the internal standard.
FVM4KY	We used prazepam as internal standard. PCP (LOD) 50 ng/mL by LC-MS/MS
FZ76WX	Atenolol, Ibuprofen, Salicylic Acid, Naproxen, Paracetamol. Screening & Quantitative analysis. Instrument: UPLC-QTOF MS (Waters) (which is LC/MS/MS). Salting-out assisted extraction. Internal Standards: Cyclobarbitone, Prazepam & D3-Methadone. Limits of detection: 5ng/mL
G8BQ3Y	Methaqualone was used as internal standard (ISTD).
GGLV93	mepivacaine was used as the internal standard

TABLE 3F Item 3

WebCode	Item 3 - Comments
GUUGV2	mepivacaine =internal standard
HA4KU2	I.S. mepivacaine
HGNKCZ	Internal standards used: mepivacaine, nalorphine, amphetamine-d11, methamphetamine-d11
HGZDWF	Screening was not performed. STI used was tetracosane, limit of detection is 300 ng/ mL, Phencyclidine detected.
HL9YKD	Other possible drugs in sample include: possible chlorpheniramine, possible promethazine, possible lamotrigine, possible dehydroisoandrosterone. Internal Reference Materials Used : Phenyltoloxamine, Hexobarbital, and 11-Hydroxy-Delta 9-THC
J3T68X	Internal standards used: Mepivacaine, Nalorphine. Chlorpheniramine indicated - Not reported, weak mass spectrum. Promethazine indicated - Not reported, weak mass spectrum
JPTCUT	Internal standard used for phencyclidine is D3-cocaine. The reported cutoff for phencyclidine is 10 ng/mL.
K9GZUM	The lab does not quantitate Phencyclidine.
KKRJ63	IS - Mepivacaine
KWKWQT	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. Perform confirmation/quantitation of phencyclidine using phencyclidine-D5 as internal standard following positive phencyclidine screen. LOQ-LOD for phencyclidine is 2.5 ng/mL.
LMXB4V	Limit of detection is 10ng/mL, IS-PCP-D5
LQWNPZ	1) This specimen screened negative for the following assays: benzodiazepines, cannabinoids, cocaine/metabolites, amphetamines, and opiates. 2) The cutoff for phencyclidine is 10 ng/mL.
LQWTXG	Phencyclidine: Internal standard - Phencyclidine-D5; LOQ - 5ng/mL
MRPWBN	LOQ for PCP is 0.10 mg/L, LOD is 0.025 mg/L
MWG4TW	Screening Cut-Offs: Amphetamine: 20 ng/mL, Benzoyllecgonine: 50 ng/mL, Carboxy-THC: 20 ng/mL, Methamphetamine: 20 ng/mL, Morphine: 20 ng/mL, Oxazepam: 50 ng/mL
NC99QT	Internal standard: Mepivacaine. Limit of Detection for PCP: 10 ng/mL. Indications of Chlorpheniramine, however not reportable.
NTCXQW	Amphetamine/Methamphetamine/Morphine/C-THC: 20ng/mL, BE/Oxazepam: 50ng/mL
PUJKWN	ELISA screening panel includes: amphetamine, benzodiazepines, cannabinoids, carisoprodol, cocaine and metabolites, methadone, opiates, oxycodone/oxymorphone, phencyclidine, and zolpidem. phencyclidine-D5 used as internal standard. LOQ/LOD for phencyclidine is 2.5 ng/mL
RD2H36	Flurazepam as Internal Standard
TVG9HF	INTERNAL STANDARD USED FOR HPLC/UV-DAD ANALYSIS : DEXTROPROPOXYPHENE. INTERNAL STANDARD USED FOR GC/MS ANALYSIS: PHENOBARBITAL D5. INTERNAL STANDARD USED FOR LC/MS/MS ANALYSIS : CODEINE D3
U26DNN	Butyl Acetate - Promazine (ISTD)

TABLE 3F Item 3

WebCode	Item 3 - Comments
UVYG6N	Item not assigned
UX3CQD	Screening test only performed.
VE3L63	The internal standard was estazolam.
WF4M2M	LCMSMS Internal standard - mepivacaine. GCMS Internal standard - mepivacaine
WL9JLM	Internal Standard - mepivacaine
XANPDY	Phenyltoloxamine IRM. Heptabarbital IRM
XLZXGQ	IS - Mepivacaine
XVNN2X	Promazine Internal Standard used for GC/MS screening/confirmation
XY9RWA	Internal standard used for the GC was Mepivacaine.
ZEB9V8	The laboratory does not quantitate Phencyclidine.
ZGHQT3	Internal Standard Phencyclidine-D5. LOQ 5ng/ml

Additional Test Comments

TABLE 4

WebCode	Additional Comments
6VFHDT	In the samples analyzed, caffeine and cotinine were detected, they were not reported due to because they were not analyzed against reference material.
9RYXEB	Several drugs were found in all samples and were not reported. Acetaminophen and caffeine are forgivable, but gabapentin and chlorpheniramine should not be in a prepared proficiency test unless intended to be there. In these cases either make clear which specific drugs can be ignored.
GUUGV2	Received and tested predistribution sample, resubmitted for accreditation purposes
HL9YKD	Screening tests indicate other drugs not confirmed in all three of these items.
HZRJ48	A low concentration of Gemfibrozil was detected but not confirmed in each of the case items.
MRPWBN	We found a contamination of Chlorpheniramine, naproxen, and gabapentin in every sample.
UVYG6N	Item 3 not assigned to examiner
UX3CQD	Screening test only performed.
VE3L63	The laboratory does not have the reference standard for phencyclidine.
XVM6YF	There were indications of the following drugs by LC/QTOF. These drugs were NOT confirmed and are believed to be contaminants of the blood matrix (they were detected at a very low abundance and were present in all three samples). 7-aminoclonazepam, acetaminophen, atenolol, benzoylecgonine, caffeine, chlorpheniramine, dextromethorphan, ecgonine ethyl ester, lamotrigine, naproxen, nicotine, promethazine, ziprasidone

-End of Report-
(Appendix may follow)

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 18-5661: Blood Drug Analysis

DATA MUST BE RECEIVED BY November 26, 2018 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and 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 on the last page must be completed and submitted.)
- This participant's data is NOT intended for submission to ASCLD/LAB, ANAB or A2LA.

Scenario:

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

Case 1: A 55 year old male driver was killed in a single-vehicle crash. Witnesses described the car drifting between lanes before crashing into the median. There were no other occupants in the vehicle.

Case 2: A 17 year old male was pulled over by police for an expired registration. The officer noticed that the individual exhibited slow movements and loss of memory. The result of a breath alcohol test was 0.00%. A Drug Recognition Expert arrived and noted that the individual had flaccid muscles and constricted pupils with no reaction to light. A blood sample was collected 90 minutes after the arrest.

Case 3: A 32 year old female was arrested for assaulting a bystander and the arresting officer. The officer reported that she exhibited rigid muscles, slurred speech, and had a blank stare. A blood sample was collected 50 minutes after the arrest.

Instructions:

****PLEASE NOTE**** The purpose of this test is the examination of drugs listed in section 1308 of Title 21 Code of Federal Regulations under the United States Controlled Substances Act that fall into the following classes: benzodiazepines, nonbenzodiazepine hypnotics (z-drugs), barbiturates, opioids, illicit hallucinogens, illicit stimulants, illicit depressants, and cannabinoids. Please test accordingly.

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

Items Submitted (Sample Pack BDRG):

Item 1: Two vials of blood from Case 1

Item 2: Two vials of blood from Case 2

Item 3: Two vials of blood from Case 3

Please return all pages of this data sheet.

Page 1 of 9

Participant Code:

WebCode:

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 or drug name separately in a space below).

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.

The number of boxes shown does not indicate the number of analytes present. If additional space is needed, copy this page or attach your own form following this layout.

- No drugs/metabolites detected utilizing confirmatory methods.

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Please return all pages of this data sheet.

Participant Code:

WebCode:

Results for Item 1 (continued):

1-3.) If quantitative analysis was performed, are the reported concentrations for Item 1:

- A single determination? The mean of duplicate / several determinations?
- Other? (Specify): _____

1-4.) Please check the methods used to analyze Item 1 by selecting whether each method used was for screening, confirmatory testing and/or quantitation.

<u>Method Used</u>	<u>Screening</u>	<u>Confirmatory</u>	<u>Quantitation</u>
Immunoassay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-5.) Additional Comments for Item 1

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

Participant Code:

WebCode:

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 or drug name separately in a space below).

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.

The number of boxes shown does not indicate the number of analytes present. If additional space is needed, copy this page or attach your own form following this layout.

- No drugs/metabolites detected utilizing confirmatory methods.

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Please return all pages of this data sheet.

Participant Code:

WebCode:

Results for Item 2 (continued):

2-3.) If quantitative analysis was performed, are the reported concentrations for Item 2:

- A single determination? The mean of duplicate / several determinations?
- Other? (Specify): _____

2-4.) Please check the methods used to analyze Item 2 by selecting whether each method used was for screening, confirmatory testing and/or quantitation.

<u>Method Used</u>	<u>Screening</u>	<u>Confirmatory</u>	<u>Quantitation</u>
Immunoassay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2-5.) Additional Comments for Item 2

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

Participant Code:

WebCode:

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 or drug name separately in a space below).

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.

The number of boxes shown does not indicate the number of analytes present. If additional space is needed, copy this page or attach your own form following this layout.

- No drugs/metabolites detected utilizing confirmatory methods.

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Analyte	Qualitative Only?	Reported Concentration	Uncertainty	Units
_____	<input type="checkbox"/>	_____	_____	(_____)
Date(s) Analysis Performed on Analyte: _____				
Raw Data (ng/mL):				
_____	_____	_____	_____	_____

Please return all pages of this data sheet.

Participant Code:

WebCode:

Results for Item 3 (continued):

3-3.) If quantitative analysis was performed, are the reported concentrations for Item 3:

- A single determination? The mean of duplicate / several determinations?
- Other? (Specify): _____

3-4.) Please check the methods used to analyze Item 3 by selecting whether each method used was for screening, confirmatory testing and/or quantitation.

<u>Method Used</u>	<u>Screening</u>	<u>Confirmatory</u>	<u>Quantitation</u>
Immunoassay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LC/MS/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3-5.) Additional Comments for Item 3

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

Participant Code:

WebCode:

Date Samples Received: _____

Additional Comments on Test

<p><u>Return Instructions:</u> Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>November 26, 2018</i> to be included in the report. Emailed data sheets are not accepted.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p>	<p>Participant Code: ONLINE DATA ENTRY: www.cts-portal.com</p> <p>FAX: +1-571-434-1937</p> <p>MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p>
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Please return all pages of this data sheet.

Collaborative Testing Services ~ Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **18-5661: Blood Drug Analysis**

This release page must be completed and received by **November 26, 2018** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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 Certificates here)

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release	
Return Instructions	
<i>Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.</i>	<i>Questions? Contact us 8 am-4:30 pm EST Telephone: +1-571-434-1925 email: forensics@cts-interlab.com</i>

Please return all pages of this data sheet.