

**Worklist: 1911**

Central file for ELISA is available upon request.

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2017-1827	1	97883	AM 25 Blood Multi-Drug Screer	
M2017-2593	1	97884	AM 25 Blood Multi-Drug Screer	
M2017-2620	1	97885	AM 25 Blood Multi-Drug Screer	
M2017-2634	1	97886	AM 25 Blood Multi-Drug Screer	
M2017-2661	1	97887	AM 25 Blood Multi-Drug Screer	
M2017-2661	2	97888	AM 25 Blood Multi-Drug Screer	
M2017-2677	1	97889	AM 25 Blood Multi-Drug Screer	
M2017-2754	1	97890	AM 25 Blood Multi-Drug Screer	
M2017-2755	1	97891	AM 25 Blood Multi-Drug Screer	
M2017-2805	1	97892	AM 25 Blood Multi-Drug Screer	
M2017-3016	1	97893	AM 25 Blood Multi-Drug Screer	
M2017-3016	2	97894	AM 25 Blood Multi-Drug Screer	
P2017-1413	1	97895	AM 25 Blood Multi-Drug Screer	
P2017-1463	1	97896	AM 25 Blood Multi-Drug Screer	
P2017-1464	1	97897	AM 25 Blood Multi-Drug Screer	
P2017-1503	1	97898	AM 25 Blood Multi-Drug Screer	
P2017-1522	1	97899	AM 25 Blood Multi-Drug Screer	
P2017-1544	1	97900	AM 25 Blood Multi-Drug Screer	
P2017-1555	1	97901	AM 25 Blood Multi-Drug Screer	
P2017-1575	2	97902	AM 25 Blood Multi-Drug Screer	
P2017-1576	1	97903	AM 25 Blood Multi-Drug Screer	
P2017-1626	1	97904	AM 25 Blood Multi-Drug Screer	
P2017-1627	1	97905	AM 25 Blood Multi-Drug Screer	

**Worklist: 1911**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2017-1637	1	97906	AM 25 Blood Multi-Drug Screer
P2017-1664	1	97907	AM 25 Blood Multi-Drug Screer



TS

# Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date: 10/16/17

Analyst: Tamara Salazar

Plate lot#: 0495940

Plate Expiration: 12/12/17

Mobile phase A: 10mM Ammonium Formate  
0.5M Ammonium Hydroxide

Mobile phase B 0.1% Formic acid in MeOH  
Ethyl Acetate

Blank Blood Lot: 361331-3

Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

LCMS-QQQ ID: 59740

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist:

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature. Each removed own samples.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 067106** in wells of analytical (standards) plate. Each pipetted own samples.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105* Performed by SP. TS
- 4. Pipette **250µL 0.5M ammonium hydroxide** buffer in wells of analytical plate. Performed by SP. TS
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Performed by SP. TS
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate. Each transferred own samples.
- 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). Performed by SP. TS  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*  
Wait 5 minutes
- 8. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity. Performed by SP. TS
- 9. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)* Performed by SP. TS
- 10. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity. Performed by TS.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)* Performed by TS.
- 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. Performed by TS.  
*SPE Dry ID 067103*
- 13. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist. Each reconstituted own samples.

## POST-ANALYTIC *C:\Mass Hunter\Data\2017\MD Screen\101617 SP and TS MD Screen*

- 1. Create batch and process data. 101617 MD Screen Panel TS  
Worklist path:  Batch Name: 101617 MD Screen Panel 2 TS
- 2. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/5 the response of administrative control.  
*Did not evaluate Carisoprodol.*
- 3. Did all QCs pass for each analyte? Y (N) *Did not evaluate Norpropoxyphene.* TS
- 4. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Carisoprodol not evaluated in panel a due to low response.*  
*Norpropoxyphene not evaluated in panel b. due to missing secondary transition.*

*\* The analysis was performed in conjunction with Sarah Pickle. Steps of the analysis requiring pipetting or transferring of case samples were performed by the analyst with custody of the sample. (Sarah pipetted and transferred her case samples. I pipetted and transferred my own case samples.) The parts of the method not requiring direct interaction with the case samples were split among us with the other analyst observing.*

TS

Multidrug Screen External Control Preparation Information

Lot 053117

Drug	Lot	Expiration date
Temazepam	Cerilliant FE08191401	October 2019
Quetiapine	Cerilliant FN02021502	February 2020
Zolpidem	Cerilliant FE12181402	February 2020
Zopiclone	Cerilliant FE12031501	December 2020

Ext. Control

100ul of 1mg/mL stock was added for each drug to 9960ul of LC MeOH (BDH Lot 15H250514). 100ul of the working solution was added to 9900ul of blood (Hemostat Lot 361331-3).

↳ WSG92517 Created: 09/25/17 By: TS  
Expires: 03/25/18



Compound Method	p1 cal 1a-TS	Acq. Date-Time	RT	p1 cal 1a-TS Results				Qualifier 1 M...				Qualifier 1 R...				ISTD Method				ISTD Results	
Name				Resp.	MI	S/N	Transition	S/N	MI	Transition	S/N	MI	Transition	RT	Resp.						
6-MAM	10/17/2017 12:11 AM		4.696	945		10.04	328.2 -> 211...	Infinity		334.2 -> 165...	334.2		165...	4.655	31925						
7-Aminoclozapem	10/17/2017 12:11 AM		5.252	17400		4106.42	286.1 -> 222...	26.26		290.1 -> 121...	290.1		121...	5.251	739						
Acetyl Fentanyl	10/17/2017 12:11 AM		5.472	8781		27.15	323.2 -> 188...	7.63		328.2 -> 105...	328.2		105...	5.470	1042004						
Acetyl Norfentanyl	10/17/2017 12:11 AM		4.630	3791		42.29	219.1 -> 56.3	5.60		224.2 -> 84.2	224.2		84.2	4.609	276251						
a-hydroxylprazolam	10/17/2017 12:11 AM		5.998	2369		7.88	325.1 -> 215...	332.13		330.1 -> 302...	330.1		302...	5.997	18001						
alpha-PVP	10/17/2017 12:11 AM		5.239	18674		193.30	232.2 -> 77.1	57.59		240.2 -> 91.1	240.2		91.1	5.238	343245						
Alprazolam	10/17/2017 12:11 AM		6.083	64501		Infinity	309.1 -> 205...	5709.94		314.1 -> 285...	314.1		285...	6.082	170378						
Amphetamine	10/17/2017 12:11 AM		4.592	106649		82.89	136.1 -> 119...	20444...		147.2 -> 130...	147.2		130...	4.531	7372						
Bupropion	10/17/2017 12:11 AM		5.422	23405		5102.71	240.1 -> 131...	121.18		242.1 -> 129...	242.1		129...	5.156	364396						
Carisoprodol	10/17/2017 12:11 AM		5.725	16		Infinity	261.2 -> 55.3	8.55		268.2 -> 183...	268.2		183...	5.744	5198						
Citalopram	10/17/2017 12:11 AM		5.693	138063		Infinity	325.2 -> 262...	120.98		331.2 -> 109...	331.2		109...	5.692	36848						
Clozapem	10/17/2017 12:11 AM		5.939	7786		2685.68	316.1 -> 213...	5.10		320.1 -> 217...	320.1		217...	5.939	5585						
Codeine	10/17/2017 12:11 AM		4.579	5274		19.46	300.2 -> 165...	82.78		306.2 -> 218...	306.2		218...	4.536	21995						
Cyclobenzaprine	10/17/2017 12:11 AM		5.927	39630		78.00	276.2 -> 231...	40.53		279.2 -> 215...	279.2		215...	5.926	301697						
Dextromethorphan	10/17/2017 12:11 AM		5.703	64435		13053...	272.2 -> 147...	23.70		275.2 -> 171...	275.2		171...	5.703	163528						
Dextrophan	10/17/2017 12:11 AM		5.114	31817		1380.11	258.2 -> 133...	4189.96		261.2 -> 157...	261.2		157...	5.113	190791						
Diazepam	10/17/2017 12:11 AM		6.310	26531		40.75	285.1 -> 153...	47.76		290.1 -> 198...	290.1		198...	6.309	132292						
Dihydrocodeine	10/17/2017 12:11 AM		4.516	15790		37.12	302.2 -> 128...	89.34		308.2 -> 202...	308.2		202...	4.495	104501						
Diphenhydramine	10/17/2017 12:11 AM		5.645	28726		6784.73	256.2 -> 152...	9282.19		259.2 -> 157...	259.2		157...	5.644	277982						
Doxylamine	10/17/2017 12:11 AM		5.357	22236		3489.06	271.2 -> 167...	24073...		276.2 -> 187...	276.2		187...	5.335	13862						
EDDP	10/17/2017 12:11 AM		5.701	215354		878.27	279.2 -> 250...	22762...		282.2 -> 235...	282.2		235...	5.701	95049						
Fentanyl	10/17/2017 12:11 AM		5.671	9511		48.93	337.2 -> 188...	Infinity		342.3 -> 105...	342.3		105...	5.651	694360						
Fluoxetine	10/17/2017 12:11 AM		5.880	263253		890.83	310.1 -> 148...	15.64		316.2 -> 44.3	316.2		44.3	5.879	957476						
Hydrocodone	10/17/2017 12:11 AM		4.761	24550		1946.29	300.2 -> 128...	Infinity		306.2 -> 202...	306.2		202...	4.740	155627						
Hydroxymorphone	10/17/2017 12:11 AM		4.199	15990		19.81	286.2 -> 157...	Infinity		292.2 -> 185...	292.2		185...	4.178	39278						
Ketamine	10/17/2017 12:11 AM		5.157	82370		13821...	238.1 -> 220...	Infinity		242.1 -> 129...	242.1		129...	5.156	364396						
Mepramate	10/17/2017 12:11 AM		5.322	3845		30.28	219.1 -> 97.1	19.71		268.2 -> 183...	268.2		183...	5.744	5198						
Methadone	10/17/2017 12:11 AM		5.961	96358		23211...	310.2 -> 105...	2754.87		319.3 -> 268...	319.3		268...	5.959	220535						
Methamphetamine	10/17/2017 12:11 AM		4.713	84854		Infinity	150.1 -> 119...	Infinity		161.2 -> 97.1	161.2		97.1	4.692	202066						
Morphine	10/17/2017 12:11 AM		3.976	6881		78.81	286.2 -> 165...	49.99		292.2 -> 152...	292.2		152...	3.934	11994						
Naloxone	10/17/2017 12:11 AM		4.635	11409		63.85	328.2 -> 211...	6.46		347.2 -> 329...	347.2		329...	4.654	36998						
Naltrexol	10/17/2017 12:11 AM		4.674	89119		40025...	344.2 -> 308...	28.51		347.2 -> 329...	347.2		329...	4.654	36998						
Naltrexone	10/17/2017 12:11 AM		4.654	19528		48.66	342.2 -> 55.3	84.86		347.2 -> 329...	347.2		329...	4.654	36998						
Norbuprenorphine	10/17/2017 12:11 AM		5.486	1074		Infinity	414.3 -> 57.3	4.81		417.3 -> 101...	417.3		101...	5.466	3220						
Nordiazepam	10/17/2017 12:11 AM		6.152	11384		8135.36	271.1 -> 208...	143.62		276.1 -> 140...	276.1		140...	6.151	18553						
Norfentanyl	10/17/2017 12:11 AM		5.056	75672		22781...	333.2 -> 55.3	66.10		238.2 -> 84.2	238.2		84.2	5.035	252085						
Norhydrocodone	10/17/2017 12:11 AM		4.702	2762		7.41	286.2 -> 171...	Infinity		289.2 -> 202...	289.2		202...	4.681	28743						
Noroxycodone	10/17/2017 12:11 AM		4.638	13412		47.41	302.1 -> 186...	3506.87		305.2 -> 287...	305.2		287...	4.617	51200						
O-desmethyl-tramadol	10/17/2017 12:11 AM		4.668	148594		Infinity	250.2 -> 42.3	89.37		256.2 -> 64.3	256.2		64.3	4.667	247192						
Oxazepam	10/17/2017 12:11 AM		5.985	3252		6.61	287.1 -> 268...	Infinity		292.1 -> 246...	292.1		246...	5.984	18069						
Oxycodone	10/17/2017 12:11 AM		4.677	60392		Infinity	316.2 -> 241...	2454.55		322.2 -> 304...	322.2		304...	4.656	17234						
Oxymorphone	10/17/2017 12:11 AM		4.033	38965		Infinity	302.1 -> 227...	Infinity		305.2 -> 287...	305.2		287...	4.012	178760						
Phentermine	10/17/2017 12:11 AM		4.875	25519		Infinity	150.1 -> 133...	353.53		155.2 -> 96.2	155.2		96.2	4.854	384648						
Promethazine	10/17/2017 12:11 AM		5.905	104570		429.58	285.1 -> 71.3	7749.32		288.2 -> 89.2	288.2		89.2	5.904	290787						
Quetiapine	10/17/2017 12:11 AM		5.934	38897		9408.12	384.2 -> 221...	34415...		392.2 -> 226...	392.2		226...	5.893	176484						
Serrraline	10/17/2017 12:11 AM		6.125	126807		96.37	306.1 -> 275...	85.32		309.1 -> 275...	309.1		275...	6.124	196927						
Sufentanil	10/17/2017 12:11 AM		5.913	835		276.67	387.2 -> 111...	2170.55		392.2 -> 238...	392.2		238...	5.893	21442						

Compound Method	p1 cal 1a-TS	p1 cal 1a-TS Results			Qualifier 1 M...	Qualifier 1 R...	ISTD Method	ISTD Results		
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	Name	Transition	RT	Resp.
Temazepam	10/17/2017 12:11 AM	6.146	32645		Infinity	301.1 -> 283..	Temazepam-D5	306.1 -> 260...	6.125	208309
Tramadol	10/17/2017 12:11 AM	5.154	209954		Infinity	264.2 -> 43.3	Tramadol-13C-D3	268.2 -> 58.3	5.153	1173548
Trazodone	10/17/2017 12:11 AM	5.955	193194		1534.75	372.2 -> 148..	Sufentanil-D5	392.2 -> 238...	5.893	21442
Venlafaxine	10/17/2017 12:11 AM	5.479	224816		31942...	278.2 -> 260..	Venlafaxine-D6	284.2 -> 64.3	5.457	114256
Zolpidem	10/17/2017 12:11 AM	5.738	161076		Infinity	308.2 -> 263..	Zolpidem-D6	314.2 -> 235...	5.716	736234

Carisoprodol not evaluated.



Compound Method		p1 negative-TS	p1 negative-TS Results				Qualifier 1 M...		Qualifier...		ISTD Method		ISTD Results	
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	S/N	MI	Name	Transition	RT	Resp.		
6-MAM	10/17/2017 12:30 AM					328.2 -> 211...			6-MAM-D6	334.2 -> 165...	4.655	38691		
7-Aminoclonazepam	10/17/2017 12:30 AM					286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.251	2388		
Acetyl Fentanyl	10/17/2017 12:30 AM					323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	5.490	10799...		
Acetyl Norfentanyl	10/17/2017 12:30 AM					219.1 -> 56.3			Acetyl Norfentanyl-D5	224.2 -> 84.2	4.630	293599		
a-hydroxyalprazolam	10/17/2017 12:30 AM					325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	5.997	22666		
alpha-PVP	10/17/2017 12:30 AM					232.2 -> 77.1			alpha-PVP-D8	240.2 -> 91.1	5.238	394181		
Alprazolam	10/17/2017 12:30 AM	6.144	201		0.27	309.1 -> 205...	6.34		Alprazolam-D5	314.1 -> 286...	6.082	193418		
Amphetamine	10/17/2017 12:30 AM	4.714	22368		Infinity	136.1 -> 119...	1.97		Amphetamine-D11	147.2 -> 130...	4.531	7491		
Bupropion	10/17/2017 12:30 AM					240.1 -> 131...			Ketamine-D4	242.1 -> 129...	5.156	411302		
Carisoprodol	10/17/2017 12:30 AM					261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	5.765	4866		
Citalopram	10/17/2017 12:30 AM	5.693	179		2.53	325.2 -> 262...			Citalopram-D6	331.2 -> 109...	5.692	33797		
Clonazepam	10/17/2017 12:30 AM	6.081	482		2.46	316.1 -> 213...	20.09		Clonazepam-D4	320.1 -> 217...	5.939	9105		
Codaine	10/17/2017 12:30 AM					300.2 -> 165...			Codaine-D6	306.2 -> 218...	4.556	25434		
Cyclobenzaprine	10/17/2017 12:30 AM	5.968	204		0.63	276.2 -> 231...	0.52		Cyclobenzaprine-D3	279.2 -> 215...	5.926	318641		
Dextromethorphan	10/17/2017 12:30 AM					272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	5.723	185523		
Dextroproprian	10/17/2017 12:30 AM					258.2 -> 133...			Dextroproprian-D3	261.2 -> 157...	5.113	195229		
Diazepam	10/17/2017 12:30 AM					285.1 -> 153...			Diazepam-D5	290.1 -> 198...	6.309	124868		
Dihydrocodone	10/17/2017 12:30 AM					302.2 -> 128...			Dihydrocodone-D6	308.2 -> 202...	4.495	107485		
Diphenhydramine	10/17/2017 12:30 AM					256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	5.665	328191		
Doxylamine	10/17/2017 12:30 AM					271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.356	12405		
EDDP	10/17/2017 12:30 AM	5.742	176		1.66	279.2 -> 250...	74.40		EDDP-D3	282.2 -> 235...	5.721	118136		
Fentanyl	10/17/2017 12:30 AM	5.671	21		0.16	337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	5.671	779465		
Fluoxetine	10/17/2017 12:30 AM	5.900	884		4.56	310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	5.899	10653...		
Hydrocodone	10/17/2017 12:30 AM					300.2 -> 128...			Hydrocodone-D6	306.2 -> 202...	4.740	177864		
Hydromorphone	10/17/2017 12:30 AM					286.2 -> 157...			Hydromorphone-D6	292.2 -> 185...	4.178	39521		
Ketamine	10/17/2017 12:30 AM	5.055	890		4.65	238.1 -> 220...			Ketamine-D4	242.1 -> 129...	5.156	411302		
Meprobamate	10/17/2017 12:30 AM	5.322	166		1.64	219.1 -> 97.1	1.08		Carisoprodol-D7	268.2 -> 183...	5.765	4866		
Methadone	10/17/2017 12:30 AM					310.2 -> 105...			Methadone-D9	319.3 -> 268...	5.959	237357		
Methamphetamine	10/17/2017 12:30 AM					150.1 -> 119...			Methamphetamine-D11	161.2 -> 97.1	4.692	203224		
Morphine	10/17/2017 12:30 AM					286.2 -> 165...			Morphine-D6	292.2 -> 152...	3.934	11291		
Naloxone	10/17/2017 12:30 AM					328.2 -> 211...			Naltrexol-D3	347.2 -> 329...	4.674	43783		
Naltrexol	10/17/2017 12:30 AM	4.634	4323		7.03	344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	4.674	43783		
Naltrexone	10/17/2017 12:30 AM					342.2 -> 55.3			Naltrexol-D3	347.2 -> 329...	4.674	43783		
Norbuprenorphine	10/17/2017 12:30 AM	5.506	241		96.89	414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101...	5.486	4102		
Nordiazepam	10/17/2017 12:30 AM	6.233	85		0.26	271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.151	20803		
Norfentanyl	10/17/2017 12:30 AM					233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5.055	257877		
Norhydrocodone	10/17/2017 12:30 AM	4.702	91		0.82	286.2 -> 171...	0.82		Norhydrocodone-D3	289.2 -> 202...	4.681	34680		
Noroxycodone	10/17/2017 12:30 AM					302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	4.617	53061		
O-desmethyl-tramadol	10/17/2017 12:30 AM	4.668	1810		3.44	250.2 -> 42.3			O-desmethyl-tramadol...	256.2 -> 64.3	4.667	267019		
Oxazepam	10/17/2017 12:30 AM	5.985	164		0.52	287.1 -> 268...			Oxazepam-D5	292.1 -> 246...	6.004	21784		
Oxycodone	10/17/2017 12:30 AM	4.636	1092		2.98	316.2 -> 241...			Oxycodone-D6	322.2 -> 304...	4.676	18106		
Oxymorphone	10/17/2017 12:30 AM	4.155	156		99.06	302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	4.012	184253		
Phentermine	10/17/2017 12:30 AM	4.875	1491		Infinity	150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	4.854	384197		
Promethazine	10/17/2017 12:30 AM	5.925	97		0.19	285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	5.904	307148		
Quetiapine	10/17/2017 12:30 AM					384.2 -> 221...			Quetiapine-D8	392.2 -> 226...	5.913	189763		
Sertraline	10/17/2017 12:30 AM					306.1 -> 275...			Sertraline-D3	309.1 -> 275...	6.124	212270		
Sufentanil	10/17/2017 12:30 AM					387.2 -> 111...			Sufentanil-D5	392.2 -> 238...	5.913	22988		

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Compound Method	p1 negative-TS	p1 negative-TS Results				Qualifier 1 M...	Qualifier...	ISTD Method	ISTD Results			
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	S/N	MI	Name	Transition	RT	Resp.
Temazepam	10/17/2017 12:30 AM	6.167	200		0.90	301.1 -> 283...			Temazepam-D5	306.1 -> 260...	6.125	257448
Tramadol	10/17/2017 12:30 AM	5.154	5088		63.73	264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3	5.153	12918...
Trazodone	10/17/2017 12:30 AM	5.955	642		6.59	372.2 -> 148...	1.51		Sufentanil-D5	392.2 -> 238...	5.913	22988
Venlafaxine	10/17/2017 12:30 AM					278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.478	126470
Zolpidem	10/17/2017 12:30 AM	5.718	314		0.64	308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	5.716	800257



R

Compound Method	p1 external control-TS	p1 external control-TS Results	Qualifier 1 M...	Qualifier 1 R...	ISTD Method	ISTD Results						
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	S/N	MI	Name	Transition	RT	Resp.
6-MAM	10/17/2017 12:49 AM	4.635	163		43.09	328.2 -> 211...			6-MAM-D6	334.2 -> 165...	4.635	32319
7-Aminoclonazepam	10/17/2017 12:49 AM					286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.210	2018
Acetyl Fentanyl	10/17/2017 12:49 AM	5.552	79		1.05	323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	5.449	10816...
Acetyl Norfentanyl	10/17/2017 12:49 AM	4.650	24		0.49	219.1 -> 56.3	1.65		Acetyl Norfentanyl-D5	224.2 -> 84.2	4.609	284983
a-hydroxyalprazolam	10/17/2017 12:49 AM					325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	5.976	27031
alpha-PVP	10/17/2017 12:49 AM					232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1	5.217	392507
Alprazolam	10/17/2017 12:49 AM	5.921	578		21.13	309.1 -> 205...			Alprazolam-D5	314.1 -> 286...	6.062	172181
Amphetamine	10/17/2017 12:49 AM	4.693	23091		7.41	136.1 -> 119...	0.87		Amphetamine-D11	147.2 -> 130...	4.510	9411
Bupropion	10/17/2017 12:49 AM					240.1 -> 131...			Ketamine-D4	242.1 -> 129...	5.136	395623
Carisoprodol	10/17/2017 12:49 AM					261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	5.744	4702
Citalopram	10/17/2017 12:49 AM	5.754	332		1.65	325.2 -> 262...			Citalopram-D6	331.2 -> 109...	5.672	38104
Clonazepam	10/17/2017 12:49 AM	6.081	496		0.52	316.1 -> 213...	0.27		Clonazepam-D4	320.1 -> 217...	5.919	7619
Codeine	10/17/2017 12:49 AM	4.437	45		0.91	300.2 -> 165...			Codeine-D6	306.2 -> 218...	4.536	22036
Cyclobenzaprine	10/17/2017 12:49 AM	5.948	29		0.34	276.2 -> 231...			Cyclobenzaprine-D3	279.2 -> 215...	5.906	313638
Dextromethorphan	10/17/2017 12:49 AM					272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	5.703	177267
Dextrophan	10/17/2017 12:49 AM					258.2 -> 133...			Dextrophan-D3	261.2 -> 157...	5.093	202040
Diazepam	10/17/2017 12:49 AM	6.351	356		1.86	285.1 -> 153...	1.84		Diazepam-D5	290.1 -> 198...	6.289	124403
Dihydrocodeine	10/17/2017 12:49 AM					302.2 -> 128...			Dihydrocodeine-D6	308.2 -> 202...	4.475	112482
Diphenhydramine	10/17/2017 12:49 AM					256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	5.644	322217
Doxylamine	10/17/2017 12:49 AM					271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.335	12148
EDDP	10/17/2017 12:49 AM	5.681	42		0.71	279.2 -> 250...	1.72		EDDP-D3	282.2 -> 235...	5.701	101813
Fentanyl	10/17/2017 12:49 AM	5.651	153		2.62	337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	5.651	790404
Fluoxetine	10/17/2017 12:49 AM					310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	5.879	989865
Hydrocodone	10/17/2017 12:49 AM					300.2 -> 128...			Hydrocodone-D6	306.2 -> 202...	4.719	165339
Hydromorphone	10/17/2017 12:49 AM					286.2 -> 157...			Hydromorphone-D6	292.2 -> 185...	4.157	39773
Ketamine	10/17/2017 12:49 AM	5.014	1382		2.07	238.1 -> 220...			Ketamine-D4	242.1 -> 129...	5.136	395623
Meperbamate	10/17/2017 12:49 AM	5.526	74		33.77	219.1 -> 97.1	1.79		Carisoprodol-D7	268.2 -> 183...	5.744	4702
Methadone	10/17/2017 12:49 AM	6.022	199		63.05	310.2 -> 105...			Methadone-D9	319.3 -> 268...	5.959	234389
Methamphetamine	10/17/2017 12:49 AM					150.1 -> 119...			Methamphetamine-D11	161.2 -> 97.1	4.672	214675
Morphine	10/17/2017 12:49 AM					286.2 -> 165...			Morphine-D6	292.2 -> 152...	3.914	9999
Naloxone	10/17/2017 12:49 AM					328.2 -> 211...			Naltrexol-D3	347.2 -> 329...	4.633	46768
Naltrexol	10/17/2017 12:49 AM	4.613	3488		9.64	344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	4.633	46768
Naltrexone	10/17/2017 12:49 AM	4.573	129		0.78	342.2 -> 55.3	0.37		Naltrexol-D3	347.2 -> 329...	4.633	46768
Norbuprenorphine	10/17/2017 12:49 AM					414.3 -> 57.3			Naltrexol-D3	347.2 -> 329...	4.633	46768
Nordiazepam	10/17/2017 12:49 AM					271.1 -> 208...			Norbuprenorphine-D3	417.3 -> 101...	5.466	3800
Norfentanyl	10/17/2017 12:49 AM					233.2 -> 55.3			Nordiazepam-D5	276.1 -> 140...	6.130	23380
Norhydrocodone	10/17/2017 12:49 AM					286.2 -> 171...			Norfentanyl-D5	238.2 -> 84.2	5.035	278156
Noroxycodone	10/17/2017 12:49 AM	4.618	645		2.11	302.1 -> 186...			Norhydrocodone-D3	289.2 -> 202...	4.661	31444
O-desmethyl-tramadol	10/17/2017 12:49 AM	4.728	424		0.78	250.2 -> 42.3	35.32		Noroxycodone-D3	305.2 -> 287...	4.617	60941
Oxazepam	10/17/2017 12:49 AM	5.802	384		1.12	287.1 -> 266...	Infinity		O-desmethyl-tramadol...	256.2 -> 64.3	4.647	266769
Oxycodone	10/17/2017 12:49 AM	4.636	1301		1.96	316.2 -> 241...			Oxazepam-D5	292.1 -> 245...	5.984	22500
Oxymorphone	10/17/2017 12:49 AM	4.033	32		0.61	302.1 -> 227...	0.69		Oxycodone-D6	322.2 -> 304...	4.636	22178
Phentermine	10/17/2017 12:49 AM					150.1 -> 133...			Oxymorphone-D3	305.2 -> 287...	3.991	189000
Promethazine	10/17/2017 12:49 AM	5.986	110		1.53	285.1 -> 71.3	1.14		Phentermine-D5	155.2 -> 96.2	4.834	471338
Quetiapine	10/17/2017 12:49 AM	5.934	384952		89825....	384.2 -> 221...	2239.54		Promethazine-D3	288.2 -> 89.2	5.904	300302
Sertraline	10/17/2017 12:49 AM					306.1 -> 275...			Quetiapine-D8	392.2 -> 226...	5.893	175165
Sufentanil	10/17/2017 12:49 AM					387.2 -> 111...			Sertraline-D3	309.1 -> 275...	6.103	187778
									Sufentanil-D5	392.2 -> 238...	5.893	16821

Compound Method	p1 external control-TS	RT	Resp.	MI	S/N	Transition	Qualifier 1 M...	S/N	MI	ISTD Method	Transition	RT	Resp.
Temazepam	10/17/2017 12:49 AM	6.125	409204		Infinity	301.1 -> 283...	Infinity			Temazepam-D5	306.1 -> 260...	6.125	235336
Tramadol	10/17/2017 12:49 AM	5.133	4953		9.32	264.2 -> 43.3	0.74			Tramadol-13C-D3	268.2 -> 58.3	5.133	11443...
Trazodone	10/17/2017 12:49 AM	5.975	556		1.06	372.2 -> 148...	4.29			Sufentanil-D5	392.2 -> 238...	5.893	16821
Venlafaxine	10/17/2017 12:49 AM	5.294	427		0.42	278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	5.457	112840
Zolpidem	10/17/2017 12:49 AM	5.718	17277...		Infinity	308.2 -> 263...	43690...			Zolpidem-D6	314.2 -> 235...	5.716	735873



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Compound Method	p2 cal 1b-TS	Acq. Date-Time	RT	p2 cal 1b-TS Results	Qualifier 1 M...	Transition	S/N	Qualifier 1...	ISTD Method	Transition	RT	ISTD Results
Name				Resp.	MI	S/N		MI	Name			Resp.
7-aminoflunitrazepam	10/17/2017 12:20 AM	5.404	30040	173.90	284.1 -> 93.2	25.57	5.403	474576	7-aminoflunitrazepam-D7	291.2 -> 138...	5.403	474576
alpha-hydroxymidazolam	10/17/2017 12:20 AM	6.048	47340	Infinity	342.1 -> 203...	53.28	6.048	112201	alpha-hydroxymidazolam-...	346.1 -> 328...	6.048	112201
Amitriptyline	10/17/2017 12:20 AM	5.997	156621	22.73	278.2 -> 105...	43.68	5.996	427006	Amitriptyline-D3	281.2 -> 91.2	5.996	427006
Amoxapine	10/17/2017 12:20 AM	5.949	10890	35.57	314.1 -> 193...	174.41	5.996	427006	Amitriptyline-D3	281.2 -> 91.2	5.996	427006
Benzoylcegonine	10/17/2017 12:20 AM	5.058	7115	698.79	290.1 -> 105...	77.36	5.057	3162	Benzoylcegonine-D8	298.2 -> 171...	5.057	3162
Carbamazepine	10/17/2017 12:20 AM	5.759	21980	26.78	237.1 -> 194...	125.87	5.779	806281	Carbamazepine-13C6	243.1 -> 200...	5.779	806281
Chlordiazepoxide	10/17/2017 12:20 AM	6.177	8010	17.58	300.1 -> 282...	19.28	6.176	210933	Chlordiazepoxide-D5	305.1 -> 286...	6.176	210933
Clomipramine	10/17/2017 12:20 AM	6.174	267713	541.47	315.2 -> 58.3	237.07	6.173	334238	Clomipramine-D3	318.2 -> 89.2	6.173	334238
Cocaine	10/17/2017 12:20 AM	5.279	85475	373.02	304.2 -> 105...	104.47	5.299	211146	Cocaine-D3	307.2 -> 185...	5.299	211146
Desipramine	10/17/2017 12:20 AM	5.937	154950	335.75	267.2 -> 44.3	Infinity	5.937	70646	Desipramine-D3	270.2 -> 75.3	5.937	70646
Doxepin	10/17/2017 12:20 AM	5.753	12535	48.27	280.2 -> 77.2	Infinity	5.752	2968	Doxepin-D3	283.2 -> 107...	5.752	2968
Estazolam	10/17/2017 12:20 AM	6.014	17366	125.31	295.1 -> 205...	122.05	6.013	353711	Estazolam-D5	300.1 -> 272...	6.013	353711
Flunitrazepam	10/17/2017 12:20 AM	6.051	73782	8941...	314.1 -> 239...	62.17	6.030	23456	Flunitrazepam-D7	321.1 -> 245...	6.030	23456
Flurazepam	10/17/2017 12:20 AM	5.742	150199	Infinity	388.2 -> 317...	17.96	5.620	10140	Zopiclone-D4	393.1 -> 244...	5.620	10140
Imipramine	10/17/2017 12:20 AM	5.956	173136	273.79	281.2 -> 58.3	346.22	5.955	440825	Imipramine-D3	284.2 -> 61.3	5.955	440825
Levamisole	10/17/2017 12:20 AM	4.704	38888	99.56	205.1 -> 178...	97.35	5.299	211146	Cocaine-D3	307.2 -> 185...	5.299	211146
Maprotiline	10/17/2017 12:20 AM	5.692	106965	206.08	278.2 -> 117...	Infinity	5.287	36586	Meperidine-D4	252.2 -> 224...	5.287	36586
MDA	10/17/2017 12:20 AM	4.727	52229	36.69	180.1 -> 105...	25.05	4.706	88263	MDA-D5	185.1 -> 168...	4.706	88263
MDEA	10/17/2017 12:20 AM	4.968	92567	209.84	208.1 -> 105...	121.46	4.967	210837	MDEA-D6	214.2 -> 166...	4.967	210837
MDMA	10/17/2017 12:20 AM	4.827	101626	126.59	194.1 -> 105...	139.66	4.806	10548	MDMA-D6	200.2 -> 166...	4.806	10548
Meperidine	10/17/2017 12:20 AM	5.288	39383	106.74	248.2 -> 174...	46.94	5.287	36586	Meperidine-D4	252.2 -> 224...	5.287	36586
Methylphenidate	10/17/2017 12:20 AM	5.229	150247	58.67	234.2 -> 56.3	252.60	5.287	36586	Meperidine-D4	252.2 -> 224...	5.287	36586
Metoprolol	10/17/2017 12:20 AM	5.162	22622	102.45	268.2 -> 56.3	78.75	5.191	343675	Meperidine-D4	252.2 -> 224...	5.191	343675
Midazolam	10/17/2017 12:20 AM	6.192	24214	46.51	326.1 -> 249...	178.62	6.191	343675	Midazolam-D4	330.1 -> 295...	6.191	343675
Mirtazapine	10/17/2017 12:20 AM	5.490	46291	118.69	266.2 -> 72.3	62.85	5.779	806281	Carbamazepine-13C6	243.1 -> 200...	5.779	806281
Mirtagryline	10/17/2017 12:20 AM	5.761	59091	516.24	399.2 -> 238...	62.34	5.289	241168	Normeperidine-D4	238.2 -> 164...	5.289	241168
Normeperidine	10/17/2017 12:20 AM	5.290	45356	143.25	234.1 -> 160...	52.68	5.825	53687	Norpropoxyphene-D5	331.2 -> 44.3	5.825	53687
Norpropoxyphene	10/17/2017 12:20 AM	5.846	13507	Infinity	326.2 -> 252...	1116...	5.978	154746	Nortriptyline-D3	267.2 -> 233...	5.978	154746
Nortriptyline	10/17/2017 12:20 AM	5.897	331629	348.32	264.2 -> 233...	33.17	5.362	506170	Pentazocine-13C3	289.2 -> 72.3	5.362	506170
Ondansetron	10/17/2017 12:20 AM	5.443	71794	579.61	294.2 -> 212...	115.17	5.362	506170	Pentazocine-13C3	289.2 -> 72.3	5.362	506170
Pentazocine	10/17/2017 12:20 AM	5.362	43291	117.08	286.2 -> 41.3	31.82	6.087	5658	Phenazepam-D4	353.0 -> 183...	6.087	5658
Phenazepam	10/17/2017 12:20 AM	6.108	7815	103.63	349.0 -> 183...	210.06	5.554	216754	Phencyclidine-D5	249.2 -> 86.2	5.554	216754
Phencyclidine	10/17/2017 12:20 AM	5.575	13711	28.51	244.2 -> 91.1	64.36	5.655	2900	Phenyltol-D10	263.2 -> 192...	5.655	2900
Phenytol	10/17/2017 12:20 AM	5.675	836	224.14	253.1 -> 182...	510.02	6.576	1266488	Prazepam-D5	330.1 -> 276...	6.576	1266488
Prazepam	10/17/2017 12:20 AM	6.577	151997	539.73	325.1 -> 140...	11.72	6.576	1266488	Prazepam-D5	330.1 -> 276...	6.576	1266488
Primidone	10/17/2017 12:20 AM	5.129	3603	6.68	219.1 -> 162...	235.01	5.824	3742	Propoxyphene-D11	351.3 -> 277...	5.824	3742
Propoxyphene	10/17/2017 12:20 AM	5.845	202384	417.90	340.2 -> 266...	Infinity	5.978	154746	Nortriptyline-D3	267.2 -> 233...	5.978	154746
Protriptyline	10/17/2017 12:20 AM	5.897	639323	Infinity	264.2 -> 161...	Infinity	5.978	154746	Nortriptyline-D3	267.2 -> 233...	5.978	154746
Pseudoephedrine	10/17/2017 12:20 AM	4.425	17922...	59.92	166.1 -> 133...	68.47	5.149	253158	Tapentadol-D3	225.2 -> 107...	5.149	253158
Tapentadol	10/17/2017 12:20 AM	5.149	96664	120.51	222.2 -> 121...	124.91	6.034	1252686	Trimipramine-D3	298.2 -> 103...	6.034	1252686
Trimipramine	10/17/2017 12:20 AM	6.034	190641	833.66	295.2 -> 58.3	461.60	6.034	1252686	Trimipramine-D3	298.2 -> 103...	6.034	1252686
Verapamil	10/17/2017 12:20 AM	5.801	204171	Infinity	455.3 -> 150...	246.38	5.848	340710	Zaleplon-D4	310.2 -> 240...	5.848	340710
Zaleplon	10/17/2017 12:20 AM	5.849	44544	313.98	306.1 -> 264...	701.48	5.620	10140	Zopiclone-D4	393.1 -> 244...	5.620	10140
Zopiclone	10/17/2017 12:20 AM	5.620	7802	25.53	389.1 -> 216...							

Norpropoxyphene not evaluated.



B

Compound Method	p2 negative-TS	p2 negative-TS Results			Qualifier 1 M...	Qualifier 1 ...	ISTD Method	ISTD Results				
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	S/N	MI	Name	Transition	RT	Resp.
7-aminoflunitrazepam	10/17/2017 12:40 AM	5.486	234	128	2.90	284.1 -> 93.2	0.29	128	7-aminoflunitrazepam-D7	291.2 -> 138...	5.423	535058
alpha-hydroxymidazolam	10/17/2017 12:40 AM	6.068	128	2376	12.49	342.1 -> 203...	0.63	2376	alpha-hydroxymidazolam-...	346.1 -> 328...	6.068	115957
Amtripyline	10/17/2017 12:40 AM	5.936	99	19	2.91	278.2 -> 105...	0.38	19	Amtripyline-D3	281.2 -> 91.2	6.017	434566
Amoxapine	10/17/2017 12:40 AM	6.092	224	61	1.79	314.1 -> 193...	0.38	61	Amtripyline-D3	281.2 -> 91.2	6.017	434566
Benzoylcegonine	10/17/2017 12:40 AM	5.099	291	56	6.14	290.1 -> 105...	0.38	56	Benzoylcegonine-D8	298.2 -> 171...	5.057	3544
Carbamazepine	10/17/2017 12:40 AM	5.799	978	56	0.48	237.1 -> 194...	134.35	978	Carbamazepine-13C6	243.1 -> 200...	5.799	838242
Chlordiazepoxide	10/17/2017 12:40 AM	6.013	56	572	3.14	300.1 -> 282...	0.78	56	Chlordiazepoxide-D5	305.1 -> 286...	6.196	228929
Clonipramine	10/17/2017 12:40 AM	6.214	572	572	0.39	315.2 -> 58.3	0.78	572	Clonipramine-D3	318.2 -> 89.2	6.194	358517
Cocaine	10/17/2017 12:40 AM	5.320	854	179	0.49	304.2 -> 105...	5.80	179	Cocaine-D3	307.2 -> 185...	5.299	340980
Desipramine	10/17/2017 12:40 AM	6.019	854	179	4.68	267.2 -> 44.3	2.62	179	Desipramine-D3	270.2 -> 75.3	5.957	77053
Doxepin	10/17/2017 12:40 AM	6.120	179	179	1.54	280.2 -> 77.2	2.62	179	Doxepin-D3	283.2 -> 107...	5.772	3323
Estazolam	10/17/2017 12:40 AM	5.888	99	99	0.57	295.1 -> 205...	0.53	99	Estazolam-D5	300.1 -> 272...	6.034	362875
Flunitrazepam	10/17/2017 12:40 AM	5.478	216	753	0.91	388.2 -> 317...	0.86	216	Flunitrazepam-D7	321.1 -> 245...	6.051	22019
Flurazepam	10/17/2017 12:40 AM	5.996	206	206	2.65	281.2 -> 58.3	1.08	206	Flurazepam-D4	393.1 -> 244...	5.640	16036
Imipramine	10/17/2017 12:40 AM	4.927	421	421	0.61	205.1 -> 178...	0.49	421	Imipramine-D3	284.2 -> 61.3	5.975	452080
Levamisole	10/17/2017 12:40 AM	4.787	421	421	0.67	278.2 -> 117...	0.49	421	Cocaine-D3	307.2 -> 185...	5.299	340980
MDA	10/17/2017 12:40 AM	4.807	203	203	0.53	194.1 -> 105...	0.52	203	Meperidine-D4	252.2 -> 224...	5.308	30176
MDEA	10/17/2017 12:40 AM	5.268	72	72	2.08	248.2 -> 174...	1.28	72	MDEA-D6	214.2 -> 166...	4.988	224771
Meperidine	10/17/2017 12:40 AM	5.331	47	47	0.54	234.2 -> 56.3	0.56	47	Meperidine-D4	252.2 -> 224...	5.308	30176
Methylphenidate	10/17/2017 12:40 AM	4.899	46	46	1.11	268.2 -> 56.3	1.82	46	Meperidine-D4	252.2 -> 224...	5.308	30176
Milazepam	10/17/2017 12:40 AM	5.745	55	55	0.90	326.2 -> 249...	1.44	55	Milazepam-D4	330.1 -> 295...	6.191	390853
Milzazapine	10/17/2017 12:40 AM	5.285	225	225	0.88	266.2 -> 72.3	0.34	225	Milzazapine-D4	330.1 -> 295...	6.191	390853
Mitragynine	10/17/2017 12:40 AM	5.597	61	61	1.15	234.1 -> 160...	0.30	61	Carbamazepine-13C6	243.1 -> 200...	5.799	838242
Normeperidine	10/17/2017 12:40 AM	5.521	190	190	0.32	326.2 -> 252...	0.30	190	Normeperidine-D4	238.2 -> 164...	5.330	245420
Norpropoxyphene	10/17/2017 12:40 AM	6.000	61	61	0.76	264.2 -> 233...	0.30	61	Normeperidine-D4	238.2 -> 164...	5.330	245420
Nortriptyline	10/17/2017 12:40 AM	5.505	14	14	1.02	294.2 -> 212...	2.58	14	Nortriptyline-D3	267.2 -> 233...	5.998	166645
Ondansetron	10/17/2017 12:40 AM	5.140	396	396	0.31	286.2 -> 41.3	1.01	396	Pentazocine-13C3	289.2 -> 72.3	5.382	521200
Pentazocine	10/17/2017 12:40 AM	6.088	222.51	222.51	349.0 -> 183...	1.01	222.51	Pentazocine-13C3	289.2 -> 72.3	5.382	521200	
Phenazepam	10/17/2017 12:40 AM	244.2 -> 91.1	244.2 -> 91.1	244.2 -> 91.1	244.2 -> 91.1	1.01	244.2	Phenazepam-D4	353.0 -> 183...	6.108	5442	
Phencyclidine	10/17/2017 12:40 AM	253.1 -> 182...	253.1 -> 182...	253.1 -> 182...	253.1 -> 182...	1.01	253.1	Phencyclidine-D5	249.2 -> 86.2	5.595	195839	
Phenylethanolamine	10/17/2017 12:40 AM	6.335	96	96	1.36	325.1 -> 140...	0.24	96	Phenylethanolamine-D5	263.2 -> 192...	5.696	4220
Praxapram	10/17/2017 12:40 AM	5.129	104	104	0.40	219.1 -> 162...	0.24	104	Praxapram-D5	330.1 -> 276...	6.555	14553...
Propoxyphene	10/17/2017 12:40 AM	5.744	238	238	1.07	340.2 -> 266...	0.24	238	Praxapram-D5	330.1 -> 276...	6.555	14553...
Proprylone	10/17/2017 12:40 AM	5.877	19	19	0.64	264.2 -> 161...	0.65	19	Propoxyphene-D11	351.3 -> 277...	5.864	3307
Pseudoephedrine	10/17/2017 12:40 AM	4.566	267	267	0.24	166.1 -> 133...	0.65	267	Propoxyphene-D11	351.3 -> 277...	5.864	3307
Tapentadol	10/17/2017 12:40 AM	5.149	354	354	0.60	222.2 -> 121...	0.71	354	Pseudoephedrine-D3	169.1 -> 151...	4.424	683324
Trimipramine	10/17/2017 12:40 AM	5.953	64	64	0.51	295.2 -> 58.3	0.79	64	Tapentadol-D3	225.2 -> 107...	5.169	256390
Verapamil	10/17/2017 12:40 AM	5.842	92	92	0.68	455.3 -> 150...	0.79	92	Trimipramine-D3	298.2 -> 103...	6.054	12937...
Zaleplon	10/17/2017 12:40 AM	5.727	203	203	2.00	306.1 -> 264...	1.68	203	Trimipramine-D3	298.2 -> 103...	6.054	12937...
Zopiclone	10/17/2017 12:40 AM	389.1 -> 216...	389.1 -> 216...	389.1 -> 216...	389.1 -> 216...	1.68	389.1	Zaleplon-D4	310.2 -> 240...	5.889	34671	
Zopiclone-D4	10/17/2017 12:40 AM	389.1 -> 216...	389.1 -> 216...	389.1 -> 216...	389.1 -> 216...	1.68	389.1	Zopiclone-D4	393.1 -> 244...	5.640	16036	



Compound Method	p2 external control-TS	p2 external control-TS Results	Qualifier 1 M...	Qualifier 1...	ISTD Method	ISTD Results		
Name	Acq. Date-Time	RT	Resp.	MI	S/N	Transition	RT	Resp.
7-aminoflunitrazepam	10/17/2017 12:59 AM	5.486	402		8.06	284.1 -> 93.2	0.65	
alpha-hydroxymidazolam	10/17/2017 12:59 AM	5.926	132		0.60	342.1 -> 203...		
Amiripylone	10/17/2017 12:59 AM	6.161	1758		1.39	278.2 -> 105...	0.53	
Amoxapine	10/17/2017 12:59 AM	6.113	155		1.17	314.1 -> 193...	3.92	
Benzylecgonine	10/17/2017 12:59 AM	5.099	209		1.93	290.1 -> 105...	0.47	
Carbamazepine	10/17/2017 12:59 AM	5.983	1043		2.18	237.1 -> 194...	0.71	
Chlordiazepoxide	10/17/2017 12:59 AM	6.258	637		0.92	300.1 -> 282...		
Clomipramine	10/17/2017 12:59 AM	5.970	76		0.55	315.2 -> 58.3	0.59	
Cocaine	10/17/2017 12:59 AM	5.340	794		1.00	304.2 -> 105...	0.16	
Desipramine	10/17/2017 12:59 AM	5.998	869		6.32	267.2 -> 44.3	7.01	
Doxepin	10/17/2017 12:59 AM	6.038	22		0.41	280.2 -> 77.2	2.12	
Estazolam	10/17/2017 12:59 AM	6.116	106		0.33	295.1 -> 205...	0.84	
Flunitrazepam	10/17/2017 12:59 AM	6.092	1983		5.25	314.1 -> 239...	0.56	
Flurazepam	10/17/2017 12:59 AM	5.580	296		1.20	388.2 -> 317...		
Imipramine	10/17/2017 12:59 AM	6.017	844		1.59	281.2 -> 58.3	5.66	
Levamisole	10/17/2017 12:59 AM	4.644	102		0.26	205.1 -> 178...	0.29	
Maprotiline	10/17/2017 12:59 AM	5.753	684		1.15	278.2 -> 117...		
MDA	10/17/2017 12:59 AM	4.808	1672		3.54	180.1 -> 105...	0.53	
MDEA	10/17/2017 12:59 AM	4.968	266		0.41	208.1 -> 105...	0.54	
MDMA	10/17/2017 12:59 AM	4.543	24		0.12	194.1 -> 105...	0.79	
Meperidine	10/17/2017 12:59 AM	5.656	1957		11.96	248.2 -> 174...	0.96	
Methylphenidate	10/17/2017 12:59 AM	5.270	227		0.66	234.2 -> 56.3		
Metoprolol	10/17/2017 12:59 AM	4.818	32		6.79	268.2 -> 56.3	11.19	
Midazolam	10/17/2017 12:59 AM	5.469	44		0.53	266.2 -> 72.3	0.37	
Mirtazapine	10/17/2017 12:59 AM	6.288	59		4.54	399.2 -> 238...		
Mitragynine	10/17/2017 12:59 AM	5.372	17		0.37	234.1 -> 160...		
Normeperidine	10/17/2017 12:59 AM	6.090	67		0.70	326.2 -> 252...		
Norpropoxyphene	10/17/2017 12:59 AM	5.816	37		0.56	264.2 -> 233...		
Nortriptyline	10/17/2017 12:59 AM					294.2 -> 212...		
Ondansetron	10/17/2017 12:59 AM					286.2 -> 41.3		
Pentazocine	10/17/2017 12:59 AM	6.088	196		2.55	349.0 -> 183...		
Phenazepam	10/17/2017 12:59 AM					244.2 -> 91.1		
Phencyclidine	10/17/2017 12:59 AM					253.1 -> 182...		
Phenylethanolamine	10/17/2017 12:59 AM	6.699	191		0.45	325.1 -> 140...		
Primaprine	10/17/2017 12:59 AM	5.089	349		0.68	219.1 -> 162...		
Propoxyphene	10/17/2017 12:59 AM	5.866	143		0.48	340.2 -> 266...		
Protriptyline	10/17/2017 12:59 AM	5.939	101		0.74	264.2 -> 161...	0.48	
Pseudoephedrine	10/17/2017 12:59 AM	4.728	1170		1.14	166.1 -> 133...	0.89	
Tapentadol	10/17/2017 12:59 AM	5.007	124		0.81	222.2 -> 121...	0.26	
Trimipramine	10/17/2017 12:59 AM	6.137	83		0.39	295.2 -> 58.3	0.20	
Verapamil	10/17/2017 12:59 AM	6.227	77		1.61	455.3 -> 150...		
Zaleplon	10/17/2017 12:59 AM	6.032	67		0.76	306.1 -> 264...	0.27	
Zopiclone	10/17/2017 12:59 AM	5.660	42464		411.50	389.1 -> 216...	5531...	
7-aminoflunitrazepam-D7						291.2 -> 138...	5.423	511338
alpha-hydroxymidazolam-...						346.1 -> 328...	6.088	103612
Amiripylone-D3						281.2 -> 91.2	6.017	415714
Amiripylone-D3						281.2 -> 91.2	6.017	415714
Benzylecgonine-D8						298.2 -> 171...	5.057	2776
Carbamazepine-13C6						243.1 -> 200...	5.799	791289
Chlordiazepoxide-D5						305.1 -> 286...	6.196	196360
Clomipramine-D3						318.2 -> 89.2	6.194	331753
Cocaine-D3						307.2 -> 185...	5.299	341153
Desipramine-D3						270.2 -> 75.3	5.978	66167
Doxepin-D3						283.2 -> 107...	5.772	2725
Estazolam-D5						300.1 -> 272...	6.034	324362
Flunitrazepam-D7						321.1 -> 245...	6.051	21466
Zopiclone-D4						393.1 -> 244...	5.640	8894
Imipramine-D3						284.2 -> 61.3	5.996	395690
Cocaine-D3						307.2 -> 185...	5.299	341153
Meperidine-D4						252.2 -> 224...	5.308	27565
MDA-D5						185.1 -> 168...	4.726	90352
MDEA-D6						214.2 -> 166...	4.988	207333
MDMA-D6						200.2 -> 166...	4.827	10526
Meperidine-D4						252.2 -> 224...	5.308	27565
Meperidine-D4						252.2 -> 224...	5.308	27565
Midazolam-D4						330.1 -> 295...	6.212	342716
Midazolam-D4						330.1 -> 295...	6.212	342716
Carbamazepine-13C6						243.1 -> 200...	5.799	791289
Normeperidine-D4						238.2 -> 164...	5.330	229397
Norpropoxyphene-D5						331.2 -> 44.3	5.866	46209
Nortriptyline-D3						267.2 -> 233...	6.019	175771
Pentazocine-13C3						289.2 -> 72.3	5.382	512304
Pentazocine-13C3						289.2 -> 72.3	5.382	512304
Phenazepam-D4						353.0 -> 183...	6.128	5449
Phencyclidine-D5						249.2 -> 86.2	5.595	201070
Phenylethanolamine-D10						263.2 -> 192...	5.696	4564
Primaprine-D5						330.1 -> 276...	6.555	12400...
Propoxyphene-D11						330.1 -> 276...	6.555	12400...
Nortriptyline-D3						267.2 -> 233...	6.019	175771
Pseudoephedrine-D3						169.1 -> 151...	4.384	703264
Tapentadol-D3						225.2 -> 107...	5.169	238096
Trimipramine-D3						298.2 -> 103...	6.054	12748...
Trimipramine-D3						298.2 -> 103...	6.054	12748...
Zaleplon-D4						310.2 -> 240...	5.889	28706
Zopiclone-D4						393.1 -> 244...	5.640	8894