

AM 7 Central File Available Upon Request - TS TS
5/31/2018

Worklist: 2414

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-0060	1	115645	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2145	1	114093	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2145	2	114098	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2177	1	114220	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2208	1	114358	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2370	2	115309	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2440	3	115493	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2499	2	115639	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1155	3	113398	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1317	1	114783	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1318	1	114841	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1325	1	114871	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1326	1	114876	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1329	1	114932	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1376	1	115148	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1394	2	115401	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1395	1	115404	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1399	1	115418	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1400	1	115421	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1407	1	115478	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1408	1	115481	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1409	1	115484	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1410	1	115490	AM 25 Blood Multi-Drug Screen by LC-QQQ	

TS

Worklist: 2414

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-1431	1	115635	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1493	1	116066	AM 25 Blood Multi-Drug Screen by LC-QQQ



AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

15

Extraction Date: 05/25/18
Plate lot#: 0515207

Analyst: Tamara Salazar
Plate Expiration: 10/18/18

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Blank Blood Lot: 361331-2

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

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: Data Path Name: _____

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Open quantitation software and create a new quantitation batch.
Batch Name: 052518 P1a worklist 2414 TS
052518 P2b worklist 2414 TS
Worklist path: C:\MassHunter\Data\2018\MD Screen\052518 MDS TS worklist 2414
- 2. Make necessary changes to integration limits
- 3. 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. > 1/3 the response of administrative control.
- 4. Did all QCs pass for each analyte? Y / N _____
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:



Idaho State Police Forensic Services

TS

AM #25 Blood Multi-Drug Screen by LCMS-QQQ

Analyst: Tamara Salazar
Extraction Date: 05/25/18
Worklist Number: 2414

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-2		12/12/17	05/25/18	TS
Methanol External Control Solution	042618	04/26/19	04/26/18		
Blood External Control Solution	WS042618	04/26/19	04/26/18		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/05/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate(ACS grade or better)	100362		06/26/17		
10mM Ammonium Formate in LCMS Water (Mobile Phase A)	050818		05/08/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	05/07/18		05/07/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	05/07/18		05/07/18		

Methanol External Control Solution (Lot: 042618)

- 100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	177145	
Oxycodone	Cerilliant	FE01181701	March 2022
Diazepam	Cerilliant	FE05201602	June 2021
Metoprolol	Cerilliant	FN06091510	July 2020
Meperidine	Cerilliant	FE01271602	June 2021
Prepared:	04/26/18		
Prepared By:	Tamara Salazar		
Expires:	04/26/19		

B

AM #25: Blood Multi-Drug Screen by LCMS-QQQ

Blood External Control Solution (Lot: WS042618)

100 ul of methanol external control solution was added to 9900 ul of blood.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		042618
Prepared:	04/26/18	
Prepared by:	Tamara Salazar	
Expires:	04/26/19	

0.5M Ammonium Hydroxide (Lot: 032918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 050818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Prepared:	05/08/18	
Prepared By:	Tamara Salazar	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 050718)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 050718)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

Compound Method			p1 cal 1a			p1 cal 1a Results			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI	Name	Transition	RT	Resp.	MI
6-MAM	328.2 -> 165...	5/25/2018 12:11...	4.939	1475	1292.66	328.2 -> 211...	524	19.44	6-MAM-D6	334.2 -> 165...	4.938	73980								
7-aminoclonazepam	286.1 -> 121...	5/25/2018 12:11...	5.354	25596	3788.55	286.1 -> 222...	6929	45.49	7-Aminoclonazepam-D4	290.1 -> 121...	5.332	57111								
Acetyl Fentanyl	323.2 -> 105...	5/25/2018 12:11...	5.714	15504	28.43	323.2 -> 188...	6090	1722.34	Acetyl Fentanyl-D5	328.2 -> 105...	5.712	15357								
Acetyl Norfentanyl	219.1 -> 84.2	5/25/2018 12:11...	4.812	12319	2787.24	219.1 -> 56.3	3053	6.55	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.819	568185								
a-hydroxyvalprazolam	325.1 -> 297...	5/25/2018 12:11...	6.160	12606	39.27	325.1 -> 215...	2430	671.60	a-hydroxyvalprazolam...	330.1 -> 302...	6.139	50448								
alpha-PVP	232.2 -> 91.0	5/25/2018 12:11...	5.423	106889	15.94	232.2 -> 77.1	60614	197.57	alpha-PVP-d8	240.2 -> 91.1	5.421	77931								
Alprazolam	309.1 -> 281...	5/25/2018 12:11...	6.266	132997	24113.27	309.1 -> 205...	45768	143.74	Alprazolam-D5	314.1 -> 286...	6.244	521023								
Amphetamine	136.1 -> 91.1	5/25/2018 12:11...	4.774	106274	14.51	136.1 -> 119...	26296	16.18	Amphetamine-D11	147.2 -> 130...	4.753	4922								
Bupropion	240.1 -> 184...	5/25/2018 12:11...	5.625	86308	226.13	240.1 -> 131...	1031	Infinity	Bupropion-D9	249.2 -> 185...	5.604	194107								
Carisoprodol	261.2 -> 176...	5/25/2018 12:11...	5.868	6508	1064.16	261.2 -> 55.3	52382	13699...	Carisoprodol-D7	268.2 -> 183...	5.867	79643								
Chllopram	325.2 -> 109...	5/25/2018 12:11...	5.875	218577	76.43	325.2 -> 262...	46039	159.89	Chllopram-D6	331.2 -> 109...	5.854	489553								
Clonazepam	316.1 -> 269...	5/25/2018 12:11...	6.102	24433	6827.53	316.1 -> 213...	2200	8.89	Clonazepam-D4	320.1 -> 217...	6.081	25029								
Codeline	300.2 -> 215...	5/25/2018 12:11...	4.922	16576	64.28	300.2 -> 165...	13294	Infinity	Codeline-D6	306.2 -> 218...	4.901	70423								
Cyclobenzaprine	276.2 -> 214...	5/25/2018 12:11...	6.150	93652	329.45	276.2 -> 231...	39352	86.97	Cyclobenzaprine-D3	279.2 -> 215...	6.149	490068								
Dextromethorphan	272.2 -> 171...	5/25/2018 12:11...	5.907	111501	69.22	272.2 -> 147...	1144	33191...	Dextromethorphan-D3	275.2 -> 171...	5.907	308877								
Dextrophan	258.2 -> 157...	5/25/2018 12:11...	5.276	55749	19419.29	258.2 -> 133...	71986	73.01	Dextrophan-D3	261.2 -> 157...	5.275	313234								
Diazepam	285.1 -> 193...	5/25/2018 12:11...	6.512	52979	Infinity	285.1 -> 153...	82221	33262...	Diazepam-D5	290.1 -> 198...	6.511	220391								
Dihydrocodeline	302.2 -> 198...	5/25/2018 12:11...	4.799	26885	198.53	302.2 -> 128...	23945	49.24	Dihydrocodeline-D6	308.2 -> 202...	4.758	109488								
Diphenhydramine	256.2 -> 167...	5/25/2018 12:11...	5.868	228780	31332.18	256.2 -> 152...	98097	200.92	Diphenhydramine-D3	259.2 -> 167...	5.827	16201...								
Doxylamine	271.2 -> 182...	5/25/2018 12:11...	5.500	166089	384.73	271.2 -> 167...	2525...	Infinity	Doxylamine-D5	276.2 -> 187...	5.499	456537								
EDDP	279.2 -> 235...	5/25/2018 12:11...	5.885	442985	1237.33	279.2 -> 250...	2527...	33142...	EDDP-D3	282.2 -> 235...	5.885	206429								
Fentanyl	337.2 -> 105...	5/25/2018 12:11...	5.914	15478	2041.41	337.2 -> 188...	6181	47.44	Fentanyl-D5	342.3 -> 105...	5.914	11724...								
Fluoxetine	310.1 -> 44.3	5/25/2018 12:11...	6.103	417427	1354.03	310.1 -> 148...	8185	48.47	Fluoxetine-D6	316.2 -> 44.3	6.081	19191...								
Hydrocodone	300.2 -> 198...	5/25/2018 12:11...	5.024	31935	5072.16	300.2 -> 128...	31308	Infinity	Hydrocodone-D6	306.2 -> 202...	5.003	235669								
Hydromorphone	286.2 -> 184...	5/25/2018 12:11...	4.539	32079	43.13	286.2 -> 157...	39768	25.55	Hydromorphone-D6	292.2 -> 185...	4.498	120858								
Ketamine	238.1 -> 125...	5/25/2018 12:11...	5.442	185933	50451.68	238.1 -> 220...	39343	15211...	Ketamine-D4	242.1 -> 129...	5.421	670076								
Meprobamate	219.1 -> 158...	5/25/2018 12:11...	5.403	21667	4127.04	219.1 -> 97.1	6330	504.32	Meprobamate-D7	226.2 -> 165...	5.402	8347								
Methadone	310.2 -> 265...	5/25/2018 12:11...	6.184	319653	187.30	310.2 -> 105...	1820...	77.65	Methadone-D9	319.3 -> 268...	6.182	12355...								
Methamphetamine	150.1 -> 91.1	5/25/2018 12:11...	4.935	133911	9.85	150.1 -> 119...	19165	Infinity	Methamphetamine-D11	161.2 -> 97.1	4.894	126986								
Morphine	286.2 -> 201...	5/25/2018 12:11...	4.278	8028	154.70	286.2 -> 165...	7081	141.09	Morphine-D6	292.2 -> 152...	4.196	16555								
Naloxone	328.2 -> 309...	5/25/2018 12:11...	5.020	67185	28779.87	328.2 -> 211...	6986	21.21	Naloxone-D5	333.2 -> 315...	4.979	126885								
Naltrexol	344.2 -> 326...	5/25/2018 12:11...	4.897	164474	145.43	344.2 -> 308...	36147	7629.01	Naltrexol-D3	347.2 -> 329...	4.876	236315								
Naltrexone	342.2 -> 324...	5/25/2018 12:11...	4.938	75206	110.08	342.2 -> 55.3	43252	8258.66	Naltrexone-D3	345.2 -> 327...	4.937	387838								
Norbuprenorphine	414.3 -> 101...	5/25/2018 12:11...	5.668	2558	21.57	414.3 -> 57.3	4406	174.66	Norbuprenorphine-D3	417.3 -> 101...	5.688	8493								
Nordiazepam	271.1 -> 140...	5/25/2018 12:11...	6.334	29598	92.45	271.1 -> 208...	8021	810.05	Nordiazepam-D5	276.1 -> 140...	6.333	99129								
Norfentanyl	233.2 -> 84.2	5/25/2018 12:11...	5.217	241131	3993.93	233.2 -> 55.3	67272	206.19	Norfentanyl-D5	238.2 -> 84.2	5.197	10244...								
Norhydrocodone	286.2 -> 199...	5/25/2018 12:11...	4.924	6597	620.84	286.2 -> 171...	1278	199.28	Norhydrocodone-D3	289.2 -> 202...	4.904	72661								
Noroxycodone	302.1 -> 284...	5/25/2018 12:11...	4.820	8501	Infinity	302.1 -> 186...	10604	112.91	Noroxycodone-D3	305.2 -> 287...	4.820	115175								
O-desmethyl-tramadol	250.2 -> 58.3	5/25/2018 12:11...	4.850	424732	38.35	250.2 -> 42.3	8720	28.50	O-desmethyl-tramadol...	256.2 -> 64.3	4.849	10456...								
Oxazepam	287.1 -> 240...	5/25/2018 12:11...	6.167	12575	38.35	287.1 -> 268...	10083	Infinity	Oxazepam-D5	322.1 -> 246...	6.147	69901								
Oxycodone	316.2 -> 298...	5/25/2018 12:11...	4.920	132351	Infinity	316.2 -> 241...	26355	5760.92	Oxycodone-D6	322.2 -> 304...	4.920	258070								
Oxymorphone	302.1 -> 284...	5/25/2018 12:11...	4.255	123182	46.00	302.1 -> 227...	17807	45.83	Oxymorphone-D3	305.2 -> 287...	4.233	602823								
Phentermine	150.1 -> 65.2	5/25/2018 12:11...	5.037	27190	Infinity	150.1 -> 133...	1349	249.94	Phentermine-D5	155.2 -> 96.2	5.016	287682								
Promethazine	285.1 -> 86.2	5/25/2018 12:11...	6.148	384374	5209.66	285.1 -> 71.3	79264	206.25	Promethazine-D3	288.2 -> 89.2	6.147	13976...								
Quetiapine	384.2 -> 253...	5/25/2018 12:11...	6.238	337722	1069.47	384.2 -> 221...	1331	38208...	Quetiapine-D8	392.2 -> 226...	6.196	325310								
Setraline	306.1 -> 158...	5/25/2018 12:11...	6.388	177360	Infinity	306.1 -> 275...	84570	43134...	Setraline-D3	309.1 -> 275...	6.387	618905								
Sufentanil	387.2 -> 238...	5/25/2018 12:11...	6.237	11887	3478.54	387.2 -> 111...	11528	2472.02	Sufentanil-D5	392.2 -> 238...	6.237	464320								
Temazepam	301.1 -> 255...	5/25/2018 12:11...	6.308	99590	26015.54	301.1 -> 283...	41154	Infinity	Temazepam-D5	306.1 -> 260...	6.308	591402								

B

Compound Method	p1 cal 1a			p1 cal 1a Results			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI			
Tramadol	264.2 -> 58.3	5/25/2018 12:11...	5.316	515991	Infinity		264.2 -> 43.3	7194	6.47		Tramadol-13C-D3	268.2 -> 58.3	5.295	19586...				
Trazodone	372.2 -> 176...	5/25/2018 12:11...	6.380	359758	93654.63		372.2 -> 148...	3499...	692.56		Trazodone-D6	378.2 -> 182...	6.319	10652...				
Venlafaxine	278.2 -> 58.3	5/25/2018 12:11...	5.621	421953	45.56		278.2 -> 260...	26666	64.55		Venlafaxine-D6	284.2 -> 64.3	5.620	892521				
Zolpidem	308.2 -> 235...	5/25/2018 12:11...	6.043	365991	Infinity		308.2 -> 263...	1246...	342.81		Zolpidem-D6	314.2 -> 235...	6.021	22133...				

Compound Method		p1 negative			p1 negative Results			Qualifier 1 M...			Qualifier 1 Result...			ISTD Method			ISTD Results		
Name	Transition	Acq. Date/Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI				
6-MAM	328.2 -> 165...	5/25/2018 12:31...	4.959	534	225.53	328.2 -> 211...	258	189.56	334.2 -> 165...	4.959	99914	6-MAM-D6	334.2 -> 165...	4.959	99914				
7-aminoclonazepam	286.1 -> 121...	5/25/2018 12:31...	5.230	254	73.35	286.1 -> 222...			290.1 -> 121...	5.373	85335	7-Aminoclonazepam...	290.1 -> 121...	5.373	85335				
Acetyl Fentanyl	323.2 -> 105...	5/25/2018 12:31...				323.2 -> 188...			328.2 -> 105...	5.732	21067...	Acetyl Fentanyl-D5	328.2 -> 105...	5.732	21067...				
Acetyl Norfentanyl	219.1 -> 84.2	5/25/2018 12:31...				219.1 -> 56.3			224.2 -> 84.2	4.832	752320	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.832	752320				
a-hydroxyvalproazolam	325.1 -> 297...	5/25/2018 12:31...				325.1 -> 215...			330.1 -> 302...	6.159	76128	a-hydroxyvalproazolam...	330.1 -> 302...	6.159	76128				
alpha-PVP	232.2 -> 91.0	5/25/2018 12:31...	5.423	36	0.20	232.2 -> 77.1	563	4.10	240.2 -> 91.1	5.441	10271...	alpha-PVP-D8	240.2 -> 91.1	5.441	10271...				
Alprazolam	309.1 -> 281...	5/25/2018 12:31...	6.083	4594	12.75	309.1 -> 205...	669	1.34	314.1 -> 286...	6.264	705642	Alprazolam-D5	314.1 -> 286...	6.264	705642				
Amphetamine	136.1 -> 91.1	5/25/2018 12:31...	4.835	8049	2.28	136.1 -> 119...	121...	9.40	147.2 -> 130...	4.753	6613	Amphetamine-D11	147.2 -> 130...	4.753	6613				
Bupropion	240.1 -> 184...	5/25/2018 12:31...	5.645	288	3.32	240.1 -> 131...	110...	1.55	249.2 -> 185...	5.625	237423	Bupropion-D9	249.2 -> 185...	5.625	237423				
Carisoprodol	261.2 -> 176...	5/25/2018 12:31...				261.2 -> 55.3			268.2 -> 183...	5.887	107351	Carisoprodol-D7	268.2 -> 183...	5.887	107351				
Citalopram	325.2 -> 109...	5/25/2018 12:31...	5.997	1465	1.02	325.2 -> 262...	422	3.03	331.2 -> 109...	5.895	688821	Citalopram-D6	331.2 -> 109...	5.895	688821				
Clonazepam	316.1 -> 269...	5/25/2018 12:31...	6.122	217	2.18	316.1 -> 213...			320.1 -> 217...	6.101	32179	Clonazepam-D4	320.1 -> 217...	6.101	32179				
Codeine	300.2 -> 215...	5/25/2018 12:31...				300.2 -> 165...			306.2 -> 218...	4.921	91296	Codeine-D6	306.2 -> 218...	4.921	91296				
Cyclobenzaprine	276.2 -> 214...	5/25/2018 12:31...	6.211	40	0.28	276.2 -> 231...	32	0.55	279.2 -> 215...	6.149	733246	Cyclobenzaprine-D3	279.2 -> 215...	6.149	733246				
Dextromethorphan	272.2 -> 171...	5/25/2018 12:31...	6.070	30	30.01	272.2 -> 147...	213	2.45	275.2 -> 171...	5.927	435704	Dextromethorphan-D3	275.2 -> 171...	5.927	435704				
Dextrophan	258.2 -> 157...	5/25/2018 12:31...	5.296	244	1.69	258.2 -> 133...			261.2 -> 157...	5.296	303442	Dextrophan-D3	261.2 -> 157...	5.296	303442				
Diazepam	285.1 -> 193...	5/25/2018 12:31...	6.351	731	2.93	285.1 -> 153...	464	35.82	290.1 -> 198...	6.491	1431594	Diazepam-D5	290.1 -> 198...	6.491	1431594				
Dihydrocodeine	302.2 -> 198...	5/25/2018 12:31...				302.2 -> 128...			308.2 -> 202...	4.799	143432	Dihydrocodeine-D6	308.2 -> 202...	4.799	143432				
Diphenhydramine	256.2 -> 167...	5/25/2018 12:31...				256.2 -> 152...			259.2 -> 167...	5.868	22466...	Diphenhydramine-D3	259.2 -> 167...	5.868	22466...				
Doxylamine	271.2 -> 182...	5/25/2018 12:31...	5.561	376	7.46	271.2 -> 167...	137...	8.82	276.2 -> 187...	5.519	603878	Doxylamine-D5	276.2 -> 187...	5.519	603878				
EDDP	279.2 -> 235...	5/25/2018 12:31...	5.885	919	1.64	279.2 -> 250...	125	1.36	282.2 -> 235...	5.905	253028	EDDP-D3	282.2 -> 235...	5.905	253028				
Fentanyl	337.2 -> 105...	5/25/2018 12:31...	5.894	184	0.90	337.2 -> 188...			342.3 -> 105...	5.935	16109...	Fentanyl-D5	342.3 -> 105...	5.935	16109...				
Fluoxetine	310.1 -> 44.3	5/25/2018 12:31...	6.021	1781	2.12	310.1 -> 148...			316.2 -> 44.3	6.101	26184...	Fluoxetine-D6	316.2 -> 44.3	6.101	26184...				
Hydrocodone	300.2 -> 198...	5/25/2018 12:31...				300.2 -> 128...			306.2 -> 202...	5.023	336625	Hydrocodone-D6	306.2 -> 202...	5.023	336625				
Hydromorphone	286.2 -> 184...	5/25/2018 12:31...				286.2 -> 157...			292.2 -> 185...	4.539	134905	Hydromorphone-D6	292.2 -> 185...	4.539	134905				
Ketamine	238.1 -> 125...	5/25/2018 12:31...	5.504	491	0.82	238.1 -> 220...			242.1 -> 129...	5.462	917319	Ketamine-D4	242.1 -> 129...	5.462	917319				
Meperidate	219.1 -> 158...	5/25/2018 12:31...				219.1 -> 97.1			226.2 -> 165...	5.443	7661	Meperidate-D7	226.2 -> 165...	5.443	7661				
Methadone	310.2 -> 265...	5/25/2018 12:31...	6.143	96	2.04	310.2 -> 105...	108	0.28	319.3 -> 268...	6.182	16797...	Methadone-D9	319.3 -> 268...	6.182	16797...				
Methamphetamine	150.1 -> 91.1	5/25/2018 12:31...	4.976	56240	10.62	150.1 -> 119...			161.2 -> 97.1	4.914	188307	Methamphetamine-D...	161.2 -> 97.1	4.914	188307				
Morphine	286.2 -> 201...	5/25/2018 12:31...	4.258	126	1.52	286.2 -> 165...			292.2 -> 152...	4.237	21721	Morphine-D6	292.2 -> 152...	4.237	21721				
Naloxone	328.2 -> 309...	5/25/2018 12:31...	4.979	174	4.28	328.2 -> 211...			333.2 -> 315...	4.999	174168	Naloxone-D5	333.2 -> 315...	4.999	174168				
Naltrexol	344.2 -> 326...	5/25/2018 12:31...	4.978	11166	26.20	344.2 -> 308...			347.2 -> 329...	4.917	321586	Naltrexol-D3	347.2 -> 329...	4.917	321586				
Naltrexone	342.2 -> 324...	5/25/2018 12:31...	4.999	55	60.48	342.2 -> 55.3	118	0.48	345.2 -> 327...	4.978	479207	Naltrexone-D3	345.2 -> 327...	4.978	479207				
Norbuprenorphine	414.3 -> 101...	5/25/2018 12:31...				414.3 -> 57.3			417.3 -> 101...	5.688	11293	Norbuprenorphine-D3	417.3 -> 101...	5.688	11293				
Nordiazepam	271.1 -> 140...	5/25/2018 12:31...	6.435	392	1.20	271.1 -> 208...	565	96.38	276.1 -> 140...	6.333	203163	Nordiazepam-D5	276.1 -> 140...	6.333	203163				
Nortentanyl	233.2 -> 84.2	5/25/2018 12:31...	5.279	138	20.30	233.2 -> 55.3	612...	9.77	238.2 -> 84.2	5.217	13907...	Nortentanyl-D5	238.2 -> 84.2	5.217	13907...				
Norhydrocodone	286.2 -> 199...	5/25/2018 12:31...				286.2 -> 171...			289.2 -> 202...	4.924	97872	Norhydrocodone-D3	289.2 -> 202...	4.924	97872				
Noroxycodone	302.1 -> 284...	5/25/2018 12:31...	4.902	318	121.21	302.1 -> 186...			305.2 -> 287...	4.861	150366	Noroxycodone-D3	305.2 -> 287...	4.861	150366				
O-desmethyl-tramadol	250.2 -> 58.3	5/25/2018 12:31...	4.931	22829	3.78	250.2 -> 42.3	386	0.85	256.2 -> 64.3	4.870	131144...	O-desmethyl-tramadol...	256.2 -> 64.3	4.870	131144...				
Oxazepam	287.1 -> 240...	5/25/2018 12:31...	6.086	237	1.61	287.1 -> 268...			292.1 -> 204...	4.940	353158	Oxazepam-D5	292.1 -> 204...	4.940	353158				
Oxycodone	316.2 -> 298...	5/25/2018 12:31...	5.001	4435	0.65	316.2 -> 241...			322.2 -> 304...	4.253	768131	Oxycodone-D6	322.2 -> 304...	4.253	768131				
Oxymorphone	302.1 -> 284...	5/25/2018 12:31...				302.1 -> 227...			305.2 -> 287...	4.505	363880	Oxymorphone-D3	305.2 -> 287...	4.505	363880				
Phentermine	150.1 -> 65.2	5/25/2018 12:31...				150.1 -> 133...			155.2 -> 96.2	5.057	363880	Phentermine-D5	155.2 -> 96.2	5.057	363880				
Promethazine	285.1 -> 86.2	5/25/2018 12:31...	6.045	1439	396.45	285.1 -> 71.3	808	0.60	288.2 -> 89.2	6.147	20363...	Promethazine-D3	288.2 -> 89.2	6.147	20363...				
Quetiapine	384.2 -> 253...	5/25/2018 12:31...	6.217	828	1.20	384.2 -> 221...			392.2 -> 226...	6.216	439075	Quetiapine-D8	392.2 -> 226...	6.216	439075				
Serrraline	306.1 -> 158...	5/25/2018 12:31...	6.368	77	14.13	306.1 -> 275...	268...	6.70	309.1 -> 275...	6.387	809573	Serrraline-D3	309.1 -> 275...	6.387	809573				
Sufentanil	387.2 -> 238...	5/25/2018 12:31...	6.237	1438	531.11	387.2 -> 111...	565	233.35	392.2 -> 238...	6.237	664776	Sufentanil-D5	392.2 -> 238...	6.237	664776				
Temazepam	301.1 -> 255...	5/25/2018 12:31...				301.1 -> 283...			306.1 -> 260...	6.308	13322...	Temazepam-D5	306.1 -> 260...	6.308	13322...				

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Compound Method		p1 negative			p1 negative Results			Qualifier 1 M...			Qualifier 1 Resul...			ISTD Method		ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI			
Tramadol	264.2 -> 58.3	5/25/2018 12:31...	5.357	10997	3.49		264.2 -> 43.3	955	8.80		Tramadol-13C-D3	268.2 -> 58.3	5.336	24370...				
Trazodone	372.2 -> 176...	5/25/2018 12:31...	6.360	3217	4.49		372.2 -> 148...	105...	1.94		Trazodone-D6	378.2 -> 182...	6.339	13656...				
Venlafaxine	278.2 -> 58.3	5/25/2018 12:31...	5.396	3324	2.01		278.2 -> 260...	101	0.75		Venlafaxine-D6	284.2 -> 64.3	5.660	11846...				
Zolpidem	308.2 -> 235...	5/25/2018 12:31...	6.185	818	3.37		308.2 -> 263...	170	1.04		Zolpidem-D6	314.2 -> 235...	6.041	29318...				

Compound Method			p1 external control	p1 external control Results			Qualifier 1 M...			Qualifier 1 Results			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.		
6-MAM	328.2 -> 165...	5/25/2018 12:50 P...	4.979	136	0.82	328.2 -> 211...	330	161.68	334.2 -> 165...	4.959	82439					
7-amnioclonazepam	286.1 -> 121...	5/25/2018 12:50 P...	5.558	200	0.49	286.1 -> 222...			290.1 -> 121...	5.353	69305					
Acetyl Fentanyl	323.2 -> 105...	5/25/2018 12:50 P...	4.832	243	1.26	323.2 -> 188...			328.2 -> 105...	5.712	19143...					
Acetyl Norfentanyl	219.1 -> 84.2	5/25/2018 12:50 P...	6.382	240	145.81	219.1 -> 56.3	101	3.23	224.2 -> 84.2	4.832	799971					
a-hydroxyalprazolam	325.1 -> 297...	5/25/2018 12:50 P...				325.1 -> 215...	1	0.46	330.1 -> 302...	6.139	72394					
alpha-PVP	232.2 -> 91.0	5/25/2018 12:50 P...				232.2 -> 77.1			240.2 -> 91.1	5.421	921524					
Alprazolam	309.1 -> 281...	5/25/2018 12:50 P...	6.448	557	6.81	309.1 -> 205...			314.1 -> 286...	6.244	599118					
Amphetamine	136.1 -> 91.1	5/25/2018 12:50 P...	4.814	11542	Infinity	136.1 -> 119...			147.2 -> 130...	4.753	8230					
Bupropion	240.1 -> 184...	5/25/2018 12:50 P...	5.645	347	77.01	240.1 -> 131...	3612	11.93	249.2 -> 185...	5.604	209622					
Carisoprodol	261.2 -> 176...	5/25/2018 12:50 P...				261.2 -> 55.3			268.2 -> 183...	5.867	99815					
Citalopram	325.2 -> 109...	5/25/2018 12:50 P...	5.916	928	0.71	325.2 -> 262...	145	0.26	331.2 -> 109...	5.874	590438					
Clonazepam	316.1 -> 269...	5/25/2018 12:50 P...	6.264	182	1.89	316.1 -> 213...	233	1.21	320.1 -> 217...	6.081	30040					
Codeine	300.2 -> 215...	5/25/2018 12:50 P...	4.922	644	6.82	300.2 -> 165...	28	0.22	306.2 -> 218...	4.921	96061					
Cyclobenzaprine	272.2 -> 214...	5/25/2018 12:50 P...	6.231	58	1.13	272.2 -> 147...	641	284.31	279.2 -> 215...	6.149	555927					
Dextromethorphan	258.2 -> 157...	5/25/2018 12:50 P...	5.296	412	2.97	258.2 -> 133...	40	15.06	261.2 -> 157...	5.275	347452					
Diazepam	285.1 -> 193...	5/25/2018 12:50 P...	6.512	782706	3100.58	285.1 -> 153...	12073...	Infinity	290.1 -> 198...	6.491	233760					
Dihydrocodeine	302.2 -> 198...	5/25/2018 12:50 P...				302.2 -> 128...			308.2 -> 202...	4.799	129915					
Diphenhydramine	256.2 -> 167...	5/25/2018 12:50 P...	5.848	145	0.97	256.2 -> 152...			259.2 -> 167...	5.848	19085...					
Doxylamine	271.2 -> 182...	5/25/2018 12:50 P...	5.520	730	3.82	271.2 -> 167...	505	13.18	276.2 -> 187...	5.499	563869					
EDDP	279.2 -> 235...	5/25/2018 12:50 P...				279.2 -> 250...			282.2 -> 235...	5.885	205623					
Fentanyl	337.2 -> 105...	5/25/2018 12:50 P...	5.975	272	4.45	337.2 -> 188...			342.3 -> 105...	5.914	13386...					
Fluoxetine	310.1 -> 44.3	5/25/2018 12:50 P...	6.021	1798	2.67	310.1 -> 148...			316.2 -> 44.3	6.081	21220...					
Hydrocodone	300.2 -> 198...	5/25/2018 12:50 P...	5.024	56	0.47	300.2 -> 128...	111	66.17	306.2 -> 202...	5.003	319813					
Hydromorphone	286.2 -> 184...	5/25/2018 12:50 P...	5.544	939	3.42	286.2 -> 157...			292.2 -> 185...	4.518	113752					
Ketamine	238.1 -> 125...	5/25/2018 12:50 P...				238.1 -> 220...			242.1 -> 129...	5.441	827860					
Meperamine	219.1 -> 158...	5/25/2018 12:50 P...				219.1 -> 97.1			226.2 -> 165...	5.402	7302					
Methadone	310.2 -> 265...	5/25/2018 12:50 P...	6.102	276	0.87	310.2 -> 105...	251	1.32	319.3 -> 268...	6.182	13062...					
Methamphetamine	150.1 -> 91.1	5/25/2018 12:50 P...	4.976	46386	Infinity	150.1 -> 119...			161.2 -> 97.1	4.914	195331					
Morphine	286.2 -> 201...	5/25/2018 12:50 P...	3.814	22	0.31	286.2 -> 165...			292.2 -> 152...	4.237	24077					
Naloxone	328.2 -> 309...	5/25/2018 12:50 P...	4.878	426	1.35	328.2 -> 211...			333.2 -> 315...	4.999	139825					
Naltrexol	344.2 -> 326...	5/25/2018 12:50 P...	4.978	9928	43.67	344.2 -> 308...			347.2 -> 329...	4.897	296666					
Naltrexone	342.2 -> 324...	5/25/2018 12:50 P...				342.2 -> 55.3			345.2 -> 327...	4.958	398522					
Nortuprenorphine	414.3 -> 101...	5/25/2018 12:50 P...				414.3 -> 57.3			417.3 -> 101...	5.668	10886					
Nordiazepam	271.1 -> 140...	5/25/2018 12:50 P...	6.415	220	1.29	271.1 -> 208...			276.1 -> 140...	6.333	131425					
Norfentanyl	233.2 -> 84.2	5/25/2018 12:50 P...				233.2 -> 55.3			238.2 -> 84.2	5.217	14114...					
Norhydrocodone	286.2 -> 199...	5/25/2018 12:50 P...	5.005	189	2.44	286.2 -> 171...			289.2 -> 202...	4.904	82406					
Noroxycodone	302.1 -> 284...	5/25/2018 12:50 P...	4.861	127	1.07	302.1 -> 186...			305.2 -> 287...	4.840	130978					
O-desmethyl-tramad...	250.2 -> 58.3	5/25/2018 12:50 P...	4.951	24234	4.50	250.2 -> 42.3			256.2 -> 64.3	4.870	12521...					
Oxazepam	287.1 -> 240...	5/25/2018 12:50 P...				287.1 -> 268...			292.2 -> 246...	6.147	82276					
Oxycodone	316.2 -> 298...	5/25/2018 12:50 P...	4.940	16787...	949.30	316.2 -> 241...	376019	534.38	322.2 -> 304...	4.940	279637					
Oxymorphone	302.1 -> 284...	5/25/2018 12:50 P...	4.255	99	0.40	302.1 -> 227...			305.2 -> 287...	4.253	669960					
Phentermine	150.1 -> 65.2	5/25/2018 12:50 P...	5.260	831	0.75	150.1 -> 133...	434	0.76	155.2 -> 96.2	5.036	392870					
Promethazine	285.1 -> 86.2	5/25/2018 12:50 P...	6.025	318	0.82	285.1 -> 71.3	252	0.69	288.2 -> 89.2	6.147	15760...					
Quetiapine	384.2 -> 253...	5/25/2018 12:50 P...				384.2 -> 221...			392.2 -> 226...	6.196	373697					
Serrraline	306.1 -> 158...	5/25/2018 12:50 P...	6.388	171	1.83	306.1 -> 275...	1280	406.65	309.1 -> 275...	6.367	615637					
Sufentanil	387.2 -> 238...	5/25/2018 12:50 P...	6.237	358	1.42	387.2 -> 111...	413	1.22	392.2 -> 238...	6.237	484680					
Temazepam	301.1 -> 255...	5/25/2018 12:50 P...				301.1 -> 283...			306.1 -> 260...	6.287	825361					

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Compound Method	p1 external control		p1 external control Results				Qualifier 1 M...		Qualifier 1 Results		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	5/25/2018 12:50 P...	5.336	11453	Infinity	<input type="checkbox"/>	264.2 -> 43.3	742	3.75	<input type="checkbox"/>	Tramadol-13C-D3	268.2 -> 58.3	5.316	24152..
Trazodone	372.2 -> 176...	5/25/2018 12:50 P...	6.360	2010	12.68	<input type="checkbox"/>	372.2 -> 148...	1836	7.98	<input type="checkbox"/>	Trazodone-D6	378.2 -> 182...	6.319	11712...
Venlafaxine	278.2 -> 58.3	5/25/2018 12:50 P...	5.641	776	1.40	<input type="checkbox"/>	278.2 -> 260...	451	2.28	<input type="checkbox"/>	Venlafaxine-D6	284.2 -> 64.3	5.640	11282...
Zolpidem	308.2 -> 235...	5/25/2018 12:50 P...				<input type="checkbox"/>	308.2 -> 263...			<input type="checkbox"/>	Zolpidem-D6	314.2 -> 235...	6.021	27739...

Compound Method	p2 cal 1b	p2 cal 1b Results	Qualifier 1 M...	Qualifier 1 Results	ISTD Method	ISTD Results					
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	RT	Resp.		
7-aminoflunitrazepam	284.1 -> 135...	5/25/2018 12:21 P...	5.547	75161	561.14	284.1 -> 93.2	3482	584.06	291.2 -> 138...	5.545	501511
alpha-hydroxymidaz...	342.1 -> 324...	5/25/2018 12:21 P...	6.250	102624	139.65	342.1 -> 203...	38024	99.73	346.1 -> 328...	6.230	485977
Amtripyline	278.2 -> 91.2	5/25/2018 12:21 P...	6.262	194242	28.42	278.2 -> 105...	82923	Infinity	281.2 -> 91.2	6.240	521858
Amoxapine	314.1 -> 271...	5/25/2018 12:21 P...	6.214	64418	165.52	314.1 -> 193...	13786	134.96	281.2 -> 91.2	6.240	521858
Benzylecgonine	290.1 -> 168...	5/25/2018 12:21 P...	5.199	32347	66.08	290.1 -> 105...	30854	3282.41	298.2 -> 171...	5.178	9574
Carbamazepine	237.1 -> 193...	5/25/2018 12:21 P...	5.920	43427	83.28	237.1 -> 194...	2858...	152.00	243.1 -> 200...	5.920	16567...
Chlordiazepoxide	300.1 -> 227...	5/25/2018 12:21 P...	6.379	40142	Infinity	300.1 -> 282...	42485	80.08	305.1 -> 286...	6.378	703069
Clomipramine	315.2 -> 86.2	5/25/2018 12:21 P...	6.477	367171	183.05	315.2 -> 58.3	2157...	135.08	318.2 -> 89.2	6.477	12141...
Cocaine	304.2 -> 182...	5/25/2018 12:21 P...	5.482	193969	423.36	304.2 -> 105...	34886	50.23	307.2 -> 185...	5.461	738330
Desipramine	267.2 -> 72.3	5/25/2018 12:21 P...	6.182	295958	149.35	267.2 -> 44.3	1105...	51.82	270.2 -> 75.3	6.182	746098
Doxepin	280.2 -> 107...	5/25/2018 12:21 P...	5.976	75102	15852.25	280.2 -> 77.2	45036	1059.08	283.2 -> 107...	5.975	217484
Estazolam	295.1 -> 267...	5/25/2018 12:21 P...	6.178	122398	24865.65	295.1 -> 205...	75005	236.89	300.1 -> 272...	6.176	847701
Flunitrazepam	314.1 -> 268...	5/25/2018 12:21 P...	6.214	114831	83.91	314.1 -> 239...	32218	16372....	321.1 -> 245...	6.213	42415
Flurazepam	388.2 -> 315...	5/25/2018 12:21 P...	6.005	347834	668.79	388.2 -> 317...	33736	151.63	393.1 -> 244...	5.964	208030
Imipramine	281.2 -> 86.2	5/25/2018 12:21 P...	6.200	347304	1282.75	281.2 -> 58.3	1953...	44903....	284.2 -> 61.3	6.199	12972...
Levamisole	205.1 -> 91.2	5/25/2018 12:21 P...	4.987	73080	31.62	205.1 -> 178...	84326	128.77	307.2 -> 185...	5.461	738330
Maprotiline	278.2 -> 91.2	5/25/2018 12:21 P...	5.915	259899	Infinity	278.2 -> 117...	2158	32.68	252.2 -> 224...	5.491	175051
MDA	180.1 -> 163...	5/25/2018 12:21 P...	4.948	43776	87.07	180.1 -> 105...	19898	Infinity	185.1 -> 168...	4.928	91663
MDEA	208.1 -> 163...	5/25/2018 12:21 P...	5.169	217216	262.28	208.1 -> 105...	82332	316.57	214.2 -> 166...	5.148	719184
MDMA	194.1 -> 163...	5/25/2018 12:21 P...	5.028	105643	250.25	194.1 -> 105...	52951	99.65	200.2 -> 166...	5.028	29864
Meperidine	248.2 -> 220...	5/25/2018 12:21 P...	5.491	78723	189.66	248.2 -> 174...	59857	216.97	252.2 -> 224...	5.491	175051
Methylphenidate	234.2 -> 84.2	5/25/2018 12:21 P...	5.412	452205	166.66	234.2 -> 56.3	86082	Infinity	252.2 -> 224...	5.491	175051
Metoprolol	268.2 -> 116...	5/25/2018 12:21 P...	5.324	39735	177.73	268.2 -> 56.3	40447	117.45	252.2 -> 224...	5.491	175051
Midazolam	326.1 -> 223...	5/25/2018 12:21 P...	6.414	35116	254.50	326.1 -> 249...	32865	70.28	330.1 -> 295...	6.413	534224
Mirtazapine	266.2 -> 195...	5/25/2018 12:21 P...	5.815	225295	20408.42	266.2 -> 72.3	1618...	102.33	330.1 -> 295...	6.413	534224
Mitragynine	399.2 -> 174...	5/25/2018 12:21 P...	6.004	86972	339.97	399.2 -> 238...	21260	74.80	243.1 -> 200...	5.920	16567...
Normeperidine	234.1 -> 44.3	5/25/2018 12:21 P...	5.493	68319	1220.50	234.1 -> 160...	42063	134.29	238.2 -> 164...	5.472	573010
Norpropoxyphene	326.2 -> 42.3	5/25/2018 12:21 P...	6.069	30775	Infinity	326.2 -> 252...	8989	36.91	331.2 -> 44.3	6.048	130541
Nortriptyline	264.2 -> 91.2	5/25/2018 12:21 P...	6.223	65092	Infinity	264.2 -> 233...	51685	Infinity	267.2 -> 233...	6.223	379801
Ondansetron	294.2 -> 184...	5/25/2018 12:21 P...	5.668	136972	724.68	294.2 -> 212...	19532	5033.87	289.2 -> 72.3	5.546	946534
Pentazocine	286.2 -> 218...	5/25/2018 12:21 P...	5.546	134920	446.11	286.2 -> 41.3	80807	27706....	289.2 -> 72.3	5.546	946534
Phenazepam	349.0 -> 206...	5/25/2018 12:21 P...	6.290	28264	96.71	349.0 -> 183...	38047	418.32	353.0 -> 183...	6.289	18356
Phencyclidine	244.2 -> 86.2	5/25/2018 12:21 P...	5.777	113572	290.49	244.2 -> 91.1	1281...	181.06	249.2 -> 86.2	5.756	813327
Phenytoln	253.1 -> 104...	5/25/2018 12:21 P...	5.836	6493	35.50	253.1 -> 182...	3109	169.59	263.2 -> 192...	5.816	34725
Prazepam	325.1 -> 271...	5/25/2018 12:21 P...	6.821	446390	410.38	325.1 -> 140...	1371...	441.62	330.1 -> 276...	6.819	21858...
Primidone	219.1 -> 91.2	5/25/2018 12:21 P...	5.270	11802	Infinity	219.1 -> 162...	9913	37.41	330.1 -> 276...	6.819	21858...
Propoxyphene	340.2 -> 58.3	5/25/2018 12:21 P...	6.088	255566	Infinity	340.2 -> 266...	35933	8007.97	351.3 -> 277...	6.067	120471
Pseudoephedrine	166.1 -> 148...	5/25/2018 12:21 P...	4.566	11676...	157.68	166.1 -> 133...	2752...	104.35	169.1 -> 151...	4.585	327639
Tapentadol	222.2 -> 107...	5/25/2018 12:21 P...	5.331	176191	91792.95	222.2 -> 121...	1002...	307.91	225.2 -> 107...	5.330	815889
Trinipramine	295.2 -> 100...	5/25/2018 12:21 P...	6.299	334427	290.56	295.2 -> 58.3	2103...	176.92	298.2 -> 103...	6.299	17690...
Verapamil	455.3 -> 165...	5/25/2018 12:21 P...	6.044	288940	50774.47	455.3 -> 150...	90719	4804.58	298.2 -> 103...	6.299	17690...
Zaleplon	306.1 -> 236...	5/25/2018 12:21 P...	6.012	107634	421.93	306.1 -> 264...	1436...	296.71	310.2 -> 240...	6.011	283288
Zopiclone	389.1 -> 244...	5/25/2018 12:21 P...	5.984	27821	4901.70	389.1 -> 216...	6592	37.30	393.1 -> 244...	5.964	208030

Compound Method			p2 negative			p2 negative Results			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.					
7-aminoflunitrazepam	284.1 -> 135...	5/25/2018 12:41 PM	5.670	1715	3.74	284.1 -> 93.2					7-aminoflunitrazepam-D7	291.2 -> 138...	5.525	678360					
alpha-hydroxymidazolam...	342.1 -> 324...	5/25/2018 12:41 PM	6.573	998	0.51	342.1 -> 203...	169	1.05			alpha-hydroxymidazolam-...	346.1 -> 328...	6.230	627133					
Amtripyline	278.2 -> 91.2	5/25/2018 12:41 PM	6.383	4940	0.89	278.2 -> 105...	802	0.52			Amtripyline-D3	281.2 -> 91.2	6.240	881790					
Amoxycipine	314.1 -> 271...	5/25/2018 12:41 PM	6.285	2173	4.26	314.1 -> 193...	9269	23.57			Amtripyline-D3	281.2 -> 91.2	6.240	881790					
Benzoxazepine	290.1 -> 168...	5/25/2018 12:41 PM	5.199	1570	34.95	290.1 -> 105...	44	0.92			Benzoxazepine-D8	298.2 -> 171...	5.178	9436					
Carbamazepine	237.1 -> 193...	5/25/2018 12:41 PM	5.982	480	2.64	237.1 -> 194...	644	0.41			Carbamazepine-13C6	243.1 -> 200...	5.920	21100...					
Chlordiazepoxide	300.1 -> 227...	5/25/2018 12:41 PM	6.298	4839	10.50	300.1 -> 282...	269	1.60			Chlordiazepoxide-D5	305.1 -> 286...	6.378	10510...					
Clomipramine	315.2 -> 86.2	5/25/2018 12:41 PM	6.517	233	0.65	315.2 -> 58.3	815	1.46			Clomipramine-D3	318.2 -> 89.2	6.477	17036...					
Cocaine	304.2 -> 182...	5/25/2018 12:41 PM	5.482	4299	5.77	304.2 -> 105...	214	0.99			Cocaine-D3	307.2 -> 185...	5.461	946409					
Desipramine	267.2 -> 72.3	5/25/2018 12:41 PM	6.202	2648	3.51	267.2 -> 44.3	9548	53.25			Desipramine-D3	270.2 -> 75.3	6.182	12620...					
Doxepin	280.2 -> 107...	5/25/2018 12:41 PM	6.342	545	2.63	280.2 -> 77.2	14409	58.79			Doxepin-D3	283.2 -> 107...	5.975	317666					
Estazolam	295.1 -> 267...	5/25/2018 12:41 PM	6.300	146	1.48	295.1 -> 205...					Estazolam-D5	300.1 -> 272...	6.176	11865...					
Flunitrazepam	314.1 -> 268...	5/25/2018 12:41 PM	6.275	3512	1.69	314.1 -> 239...	244	1.84			Flunitrazepam-D7	321.1 -> 245...	6.193	74260					
Flurazepam	388.2 -> 315...	5/25/2018 12:41 PM	5.944	101	0.61	388.2 -> 317...					Zopiclone-D4	393.1 -> 244...	5.964	241852					
Imipramine	281.2 -> 86.2	5/25/2018 12:41 PM	6.260	4823	802.75	281.2 -> 58.3	1365	1.29			Imipramine-D3	284.2 -> 61.3	6.199	20262...					
Levamisole	205.1 -> 91.2	5/25/2018 12:41 PM	5.028	311	0.88	205.1 -> 178...	221	1.56			Cocaine-D3	307.2 -> 185...	5.461	946409					
Maprotiline	278.2 -> 91.2	5/25/2018 12:41 PM	5.956	457	Infinity	278.2 -> 117...					Meperidine-D4	252.2 -> 224...	5.491	216533					
MDA	180.1 -> 163...	5/25/2018 12:41 PM	4.847	134	0.83	180.1 -> 105...	106	1.73			MDA-D5	185.1 -> 168...	4.948	125348					
MDEA	208.1 -> 163...	5/25/2018 12:41 PM	5.210	25	0.12	208.1 -> 105...	428	1.55			MDEA-D6	214.2 -> 166...	5.148	887564					
MDMA	194.1 -> 163...	5/25/2018 12:41 PM	5.049	25	0.29	194.1 -> 105...	106	0.63			MDMA-D6	200.2 -> 166...	5.008	33627					
Meperidine	248.2 -> 220...	5/25/2018 12:41 PM	5.837	319	2.30	248.2 -> 174...	177	5.31			Meperidine-D4	252.2 -> 224...	5.491	216533					
Methylphenidate	234.2 -> 84.2	5/25/2018 12:41 PM	5.432	573	0.46	234.2 -> 56.3	109	0.63			Meperidine-D4	252.2 -> 224...	5.491	216533					
Metoprolol	268.2 -> 116...	5/25/2018 12:41 PM				268.2 -> 56.3					Meperidine-D4	252.2 -> 224...	5.491	216533					
Midazolam	326.1 -> 223...	5/25/2018 12:41 PM				326.1 -> 249...					Midazolam-D4	330.1 -> 295...	6.413	749158					
Mirtazapine	266.2 -> 195...	5/25/2018 12:41 PM	6.039	409	5.50	266.2 -> 72.3	322	12.05			Midazolam-D4	330.1 -> 295...	6.413	749158					
Mirtazapine	399.2 -> 174...	5/25/2018 12:41 PM				399.2 -> 238...					Carbamazepine-13C6	243.1 -> 200...	5.920	21100...					
Norperidine	234.1 -> 44.3	5/25/2018 12:41 PM	5.596	372	2.36	234.1 -> 160...					Norperidine-D4	238.2 -> 164...	5.472	742636					
Norpropoxyphene	326.2 -> 42.3	5/25/2018 12:41 PM	6.049	240	21.14	326.2 -> 252...	199	0.74			Norpropoxyphene-D5	331.2 -> 243...	6.048	194727					
Nortriptyline	264.2 -> 91.2	5/25/2018 12:41 PM	6.324	737	1.73	264.2 -> 233...	578	1.66			Nortriptyline-D3	267.2 -> 233...	6.223	679333					
Ondansetron	294.2 -> 184...	5/25/2018 12:41 PM	5.953	77	0.74	294.2 -> 212...					Pentazocine-13C3	289.2 -> 72.3	5.546	11987...					
Pentazocine	286.2 -> 218...	5/25/2018 12:41 PM	5.058	151	1.45	286.2 -> 41.3	1353	0.87			Pentazocine-13C3	289.2 -> 72.3	5.546	11987...					
Phenazepam	349.0 -> 206...	5/25/2018 12:41 PM	6.270	527	14.74	349.0 -> 183...					Phenazepam-D4	353.0 -> 183...	6.269	17402					
Phencyclidine	244.2 -> 86.2	5/25/2018 12:41 PM	5.777	237	1.75	244.2 -> 91.1	4844	4.08			Phencyclidine-D5	249.2 -> 86.2	5.756	10726...					
Phenylethylamine	253.1 -> 104...	5/25/2018 12:41 PM	5.918	58	0.40	253.1 -> 182...	115	0.44			Phenylethylamine-D10	263.2 -> 192...	5.816	30274					
Prazepam	325.1 -> 271...	5/25/2018 12:41 PM	6.882	205	0.57	325.1 -> 140...					Prazepam-D5	330.1 -> 276...	6.819	27243...					
Primidone	219.1 -> 91.2	5/25/2018 12:41 PM	5.372	1180	23.95	219.1 -> 162...					Prazepam-D5	330.1 -> 276...	6.819	27243...					
Propoxyphene	340.2 -> 58.3	5/25/2018 12:41 PM	6.027	160	0.29	340.2 -> 266...					Propoxyphene-D11	351.3 -> 277...	6.067	169357					
Pseudoephedrine	166.1 -> 148...	5/25/2018 12:41 PM	4.565	328	0.44	166.1 -> 133...					Pseudoephedrine-D3	169.1 -> 151...	4.585	465602					
Tapentadol	222.2 -> 107...	5/25/2018 12:41 PM	5.229	179	1.13	222.2 -> 121...	169	0.74			Tapentadol-D3	225.2 -> 107...	5.330	10543...					
Trimipramine	295.2 -> 100...	5/25/2018 12:41 PM	6.340	153	0.57	295.2 -> 58.3					Trimipramine-D3	298.2 -> 103...	6.299	29579...					
Verapamil	455.3 -> 165...	5/25/2018 12:41 PM	6.125	103	0.74	455.3 -> 150...					Trimipramine-D3	298.2 -> 103...	6.299	29579...					
Zaleplon	306.1 -> 236...	5/25/2018 12:41 PM	5.787	177	0.68	306.1 -> 264...					Zaleplon-D4	310.2 -> 240...	6.011	355720					
Zopiclone	389.1 -> 244...	5/25/2018 12:41 PM	5.802	277	2.69	389.1 -> 216...					Zopiclone-D4	393.1 -> 244...	5.964	241852					

Compound Method	p2 external control	p2 external control Results				Qualifier 1 M...	Qualifier 1 Results			ISTD Method	ISTD Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.
7-aminoimipramine	284.1 -> 135...	5/25/2018 1:00 PM	5.629	1897	257.86	284.1 -> 93.2					7-aminoimipramine	291.2 -> 138...	5.525	560231
alpha-hydroxymidaz...	342.1 -> 324...	5/25/2018 1:00 PM	6.331	86	0.67	342.1 -> 203...					alpha-hydroxymidaz...	346.1 -> 328...	6.230	534730
Amitriptyline	278.2 -> 91.2	5/25/2018 1:00 PM	6.383	4090	1.29	278.2 -> 105...					Amitriptyline-D3	281.2 -> 91.2	6.240	731243
Amoxapine	314.1 -> 271...	5/25/2018 1:00 PM	6.275	847	2.74	314.1 -> 193...	11001	125.43			Amitriptyline-D3	281.2 -> 91.2	6.240	731243
Benzoyllecgonine	290.1 -> 168...	5/25/2018 1:00 PM	5.159	456	3.08	290.1 -> 105...	407	0.89			Benzoyllecgonine-D8	288.2 -> 171...	5.178	11022
Carbamazepine	237.1 -> 193...	5/25/2018 1:00 PM	5.961	781	4.09	237.1 -> 194...	805	0.80			Carbamazepine-13C6	243.1 -> 200...	5.899	17100...
Chlordiazepoxide	300.1 -> 227...	5/25/2018 1:00 PM	6.278	5483	1053.02	300.1 -> 282...	620	347.53			Chlordiazepoxide-D5	305.1 -> 286...	6.358	873871...
Clomipramine	315.2 -> 86.2	5/25/2018 1:00 PM	6.477	413	2.11	315.2 -> 58.3	143	0.47			Clomipramine-D3	318.2 -> 89.2	6.456	13023...
Cocaine	304.2 -> 182...	5/25/2018 1:00 PM	5.461	1781	1.35	304.2 -> 105...	836	2.06			Cocaine-D3	307.2 -> 185...	5.461	850320
Desipramine	267.2 -> 72.3	5/25/2018 1:00 PM	6.162	3689	6.15	267.2 -> 44.3	5243	15.34			Desipramine-D3	270.2 -> 75.3	6.161	10962...
Doxepin	280.2 -> 107...	5/25/2018 1:00 PM	5.956	70	0.44	280.2 -> 77.2	1355	1.77			Doxepin-D3	283.2 -> 107...	5.955	235989
Estazolam	295.1 -> 267...	5/25/2018 1:00 PM	6.604	674	2.03	295.1 -> 205...	944	5.01			Estazolam-D5	300.1 -> 272...	6.156	909823
Flunitrazepam	314.1 -> 268...	5/25/2018 1:00 PM	6.235	3668	3.16	314.1 -> 239...	458	1.57			Flunitrazepam-D7	321.1 -> 245...	6.193	57971
Flurazepam	388.2 -> 315...	5/25/2018 1:00 PM	6.005	48	0.25	388.2 -> 317...					Zopiclone-D4	393.1 -> 244...	5.964	175071
Imipramine	281.2 -> 86.2	5/25/2018 1:00 PM	6.220	3982	587.69	281.2 -> 58.3	2810	0.62			Imipramine-D3	284.2 -> 61.3	6.199	16646...
Levamisole	205.1 -> 91.2	5/25/2018 1:00 PM	5.068	753	0.46	205.1 -> 178...	122	0.75			Cocaine-D3	307.2 -> 185...	5.461	850320
Maprotiline	278.2 -> 91.2	5/25/2018 1:00 PM	5.854	1929	1.78	278.2 -> 117...					Meperidine-D4	252.2 -> 224...	5.491	185702
MDA	180.1 -> 163...	5/25/2018 1:00 PM	5.232	606	2.13	180.1 -> 105...	363	1.68			MDA-D5	185.1 -> 168...	4.948	107023
MDEA	208.1 -> 163...	5/25/2018 1:00 PM	5.516	147	1.24	208.1 -> 105...	1341	4.62			MDEA-D6	214.2 -> 166...	5.148	832272
MDMA	194.1 -> 163...	5/25/2018 1:00 PM	5.028	189	0.90	194.1 -> 105...	389	11.59			MDMA-D6	200.2 -> 166...	5.008	32133
Meperidine	248.2 -> 220...	5/25/2018 1:00 PM	5.491	11601...	864.35	248.2 -> 174...	973420	340.49			Meperidine-D4	252.2 -> 224...	5.491	185702
Methylphenidate	234.2 -> 84.2	5/25/2018 1:00 PM	5.452	300	1.35	234.2 -> 56.3					Meperidine-D4	252.2 -> 224...	5.491	185702
Metoprolol	268.2 -> 116...	5/25/2018 1:00 PM	5.345	596021	1597.22	268.2 -> 56.3	602749	39.76...			Meperidine-D4	252.2 -> 224...	5.491	185702
Midazolam	326.1 -> 223...	5/25/2018 1:00 PM	6.820	142	1.15	326.1 -> 249...	36	25.99			Midazolam-D4	330.1 -> 295...	6.393	638239
Mirtazapine	266.2 -> 195...	5/25/2018 1:00 PM	5.999	9	0.04	266.2 -> 72.3					Midazolam-D4	330.1 -> 295...	6.393	638239
Mirtazapine	399.2 -> 174...	5/25/2018 1:00 PM				399.2 -> 238...					Carbamazepine-13C6	243.1 -> 200...	5.899	17100...
Normeperidine	234.1 -> 42.3	5/25/2018 1:00 PM	5.514	1482	2.18	234.1 -> 160...	26	0.15			Normeperidine-D4	238.2 -> 164...	5.472	704590
Norpropoxyphene	326.2 -> 44.3	5/25/2018 1:00 PM	5.988	209	1.98	326.2 -> 252...	732	2.18			Norpropoxyphene-D5	331.2 -> 44.3	6.048	155893
Nortriptyline	264.2 -> 91.2	5/25/2018 1:00 PM	6.143	394	0.82	264.2 -> 233...	181	0.49			Nortriptyline-D3	267.2 -> 233...	6.202	534992
Ondansetron	294.2 -> 184...	5/25/2018 1:00 PM				294.2 -> 212...					Pentazocine-13C3	289.2 -> 72.3	5.546	10632...
Pentazocine	286.2 -> 218...	5/25/2018 1:00 PM	5.240	264	1.30	286.2 -> 41.3	367	2.21			Pentazocine-13C3	289.2 -> 72.3	5.546	10632...
Phenazepam	349.0 -> 206...	5/25/2018 1:00 PM	6.229	692	143.71	349.0 -> 183...					Phenazepam-D4	353.0 -> 183...	6.249	17047
Phencyclidine	244.2 -> 86.2	5/25/2018 1:00 PM	5.878	291	2.46	244.2 -> 91.1	1053	0.75			Phencyclidine-D5	249.2 -> 86.2	5.756	917799
Phenytoln	253.1 -> 104...	5/25/2018 1:00 PM				253.1 -> 182...					Phenytoln-D10	263.2 -> 192...	5.796	24145
Prazepam	325.1 -> 271...	5/25/2018 1:00 PM	6.984	84	0.55	325.1 -> 140...	45	0.29			Prazepam-D5	330.1 -> 276...	6.778	22966...
Prinidone	219.1 -> 91.2	5/25/2018 1:00 PM				219.1 -> 162...					Prazepam-D5	330.1 -> 276...	6.778	22966...
Propoxyphene	340.2 -> 58.3	5/25/2018 1:00 PM	5.946	59	0.31	340.2 -> 266...					Propoxyphene-D11	351.3 -> 277...	6.067	142676
Pseudoephedrine	166.1 -> 148...	5/25/2018 1:00 PM	4.666	985	1.43	166.1 -> 133...	236	0.87			Pseudoephedrine-D3	169.1 -> 151...	4.605	494608
Tapentadol	222.2 -> 107...	5/25/2018 1:00 PM	5.290	67	2.77	222.2 -> 121...					Tapentadol-D3	225.2 -> 107...	5.330	962035
Trimipramine	295.2 -> 100...	5/25/2018 1:00 PM	6.461	22	0.48	295.2 -> 58.3	268	1.61			Trimipramine-D3	298.2 -> 103...	6.279	25004...
Verapamil	455.3 -> 165...	5/25/2018 1:00 PM	6.247	19	0.16	455.3 -> 150...	66	0.38			Trimipramine-D3	298.2 -> 103...	6.279	25004...
Zaleplon	306.1 -> 236...	5/25/2018 1:00 PM	6.337	597	1.38	306.1 -> 264...	1797	4.69			Zaleplon-D4	310.2 -> 240...	6.011	281887
Zopiclone	389.1 -> 244...	5/25/2018 1:00 PM				389.1 -> 216...					Zopiclone-D4	393.1 -> 244...	5.964	175071