




















Worklist: 2527

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-2829	1	117382	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2851	1	117507	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2858	1	117597	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2859	1	117601	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2957	1	117932	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2959	1	117940	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2960	1	117944	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2960	2	117948	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-3066	2	118741	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-3094	2	119682	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1744	1	118483	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1747	1	118527	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1757	1	118735	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1759	1	118747	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1772	1	118960	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1785	1	119072	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1787	1	119079	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1789	1	119098	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1835	1	119647	AM 25 Blood Multi-Drug Screen by LC-QQQ	


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

Extraction Date: 07/02/18
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: ~~36133-1~~ 361331-1 
LCMS-QQQ ID: 59740

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

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: _____

Urine Hydrolysis:

- 1. Pipette 250 µL urine into a blank 96-well plate.
- 2. Pipette 200 µL 0.1 M ammonium acetate buffer (pH5) into wells with urine samples.
- 3. Pipette 50 µL of β-glucuronidase (Kura BG-100) to wells with urine.
- 4. Place on shaking incubator at approximately 60°C, 900 rpm for 180 minutes.

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 0.5M 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: *070218 MDS TS P1_blood*
070218 MDS TS P2_blood
Worklist path: C:\MassHunter\Data\2018\MDS\070218 MDS TS Worklist 2527
- 2. Make necessary changes to integration limits

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- ☒ 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: *Initial samples for urine method validation were run with this set of case samples.*



Idaho State Police Forensic Services

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

Analyst: Tamara Salazar
 Extraction Date: 07/02/18
 Worklist Number: 2527

<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	361331-1	TS	05/25/18		
Negative Urine	POC POC062718	062718 TS	06/27/18		
Methanol External Control Solution	042618	04/26/19	04/26/18		
Blood External Control Solution	WS042618	04/26/19	04/26/18		
Urine External Controls	062818	06/28/19	06/2818		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
0.1 M Ammonium Acetate (pH 5)	062918	12/29/18	06/29/18		
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 Acetate (HPLC)	096256A		06/18/18		
Glacial Acetic Acid (LC/MS)	092788		06/05/10		
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)	061218		06/12/18		
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		

TS

Blood External Control Solution (Lot: WS042618)

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

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

Urine External Control Solution (Lot: WS062818)

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

Three controls were made by adding 50ul, 100ul, and 200ul of methanol external control to 4.5mL of negative urine.

TS

Component	Source	Source Lot Number
Negative Urine		POC062718
Methanol External Control Solution		042618
Prepared:	06/28/18	
Prepared by:	Sarah Pickle	
Expires:	06/28/19	

0.5M Ammonium Hydroxide (Lot: 032918)

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

0.1M Ammonium Acetate (pH 5.0) (Lot: 062918)

Component	Source	Source Lot Number
Ammonium Acetate	Fisher	096256A
Glacial Acetic Acid	Fisher	092788
DI Water	-	-
Prepared:	06/29/18	
Prepared By:	Tamara Salazar	
Expires:	12/29/18	

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 061218)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Prepared:	06/12/18	
Prepared By:	Tamara Salazar	

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

Component	Source	Source Lot Number
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)

Component	Source	Source Lot Number
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		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.			
6-MAM	328.2 -> 165...	7/2/2018 2:38 PM	5.406	3583	20.05	328.2 -> 211...	4135	27.70	6-MAM-D6	334.2 -> 165...	5.385	211100					
7-Aminoclonazepam	286.1 -> 121...	7/2/2018 2:38 PM	5.414	143883	20560...	286.1 -> 222...	55269	249.51	7-Aminoclonazepam-D4	290.1 -> 121...	5.413	511185					
Benzoylecgonine	290.1 -> 168...	7/2/2018 2:38 PM	5.228	73662	12856...	290.1 -> 215...	29136	3210.98	Benzoylecgonine-D8	298.2 -> 171...	5.228	3125					
a-hydroxyalprazolam	325.1 -> 297...	7/2/2018 2:38 PM	6.181	63349	10664...	325.1 -> 215...	19268	163.17	a-hydroxyalprazolam-D5	330.1 -> 302...	6.180	312900					
alpha-PVP	232.2 -> 91.0	7/2/2018 2:38 PM	5.910	535143	2116.40	232.2 -> 77.1	227228	350.49	alpha-PVP-d8	240.2 -> 91.1	5.848	28346...					
Alprazolam	309.1 -> 281...	7/2/2018 2:38 PM	6.287	364786	977.76	309.1 -> 205...	131598	383.30	Alprazolam-D5	314.1 -> 286...	6.265	15697...					
Amphetamine	136.1 -> 91.1	7/2/2018 2:38 PM	4.975	460474	26.39	136.1 -> 119...	128083	47.55	Amphetamine-D11	147.2 -> 130...	4.934	23153					
Cocaine	304.2 -> 182...	7/2/2018 2:38 PM	5.839	663479	10038...	304.2 -> 105...	97018	20129.40	Cocaine-D3	307.2 -> 185...	5.817	13898...					
Bupropion	240.1 -> 184...	7/2/2018 2:38 PM	6.072	342990	19772...	240.1 -> 131...	461288	142.41	Bupropion-D9	249.2 -> 185...	6.051	737384					
Carisoprodol	261.2 -> 176...	7/2/2018 2:38 PM	5.949	54359	1904.07	261.2 -> 55.3	167368	87.79	Carisoprodol-D7	268.2 -> 183...	5.907	215361					
Citalopram	325.2 -> 109...	7/2/2018 2:38 PM	6.140	755717	104.66	325.2 -> 262...	187414	26117.45	Citalopram-D6	331.2 -> 109...	6.119	16532...					
Clonazepam	316.1 -> 269...	7/2/2018 2:38 PM	6.122	86045	405.35	316.1 -> 213...	15485	2813.38	Clonazepam-D4	320.1 -> 217...	6.121	83958					
Codeine	300.2 -> 215...	7/2/2018 2:38 PM	5.412	6970	1029.12	300.2 -> 165...	34736	1955.60	Codeine-D6	306.2 -> 218...	5.368	177068					
Cyclobenzaprine	276.2 -> 214...	7/2/2018 2:38 PM	6.495	400506	72.96	276.2 -> 237...	85946	Infinity	Cyclobenzaprine-D3	279.2 -> 215...	6.494	21208...					
Dextromethorphan	272.2 -> 171...	7/2/2018 2:38 PM	6.272	385530	4048.37	272.2 -> 147...	410325	967.44	Dextromethorphan-D3	275.2 -> 171...	6.252	16605...					
Diazepam	258.2 -> 157...	7/2/2018 2:38 PM	5.552	156106	910.72	258.2 -> 133...	201018	1588.68	Diazepam-D3	261.2 -> 157...	5.561	940646					
Dihydrocodeine	285.1 -> 193...	7/2/2018 2:38 PM	6.513	126671	2649.59	285.1 -> 153...	213939	88.69	Dihydrocodeine-D6	290.1 -> 198...	6.492	593344					
Diphenhydramine	302.2 -> 198...	7/2/2018 2:38 PM	5.164	120093	204.10	302.2 -> 128...	72526	87.67	Diphenhydramine-D3	308.2 -> 202...	5.122	633490					
Doxylamine	256.2 -> 167...	7/2/2018 2:38 PM	6.133	15050...	Infinity	256.2 -> 152...	365352	190.94	Doxylamine-D5	259.2 -> 167...	6.133	60019...					
EDDP	271.2 -> 182...	7/2/2018 2:38 PM	5.783	439588	53695...	271.2 -> 167...	749289	75.04	EDDP-D3	276.2 -> 187...	5.762	976584					
Fentanyl	279.2 -> 235...	7/2/2018 2:38 PM	6.108	14833...	24992...	279.2 -> 250...	715187	125538...	Fentanyl-D5	282.2 -> 235...	6.107	615016					
Fluoxetine	337.2 -> 105...	7/2/2018 2:38 PM	6.422	73593	112.33	337.2 -> 188...	32199	1007.82	Fluoxetine-D6	342.3 -> 105...	6.401	52784...					
Hydrocodone	310.1 -> 44.3	7/2/2018 2:38 PM	6.306	12199...	216.20	310.1 -> 148...	29319	78.59	Hydrocodone-D6	316.2 -> 44.3	6.305	54096...					
Hydromorphone	300.2 -> 198...	7/2/2018 2:38 PM	5.636	144659	Infinity	300.2 -> 128...	110963	15578.85	Hydromorphone-D6	306.2 -> 202...	5.594	897096					
Ketamine	286.2 -> 184...	7/2/2018 2:38 PM	5.025	81338	19.89	286.2 -> 157...	118547	6.30	Ketamine-D4	292.2 -> 185...	4.963	376294					
Mefenorex	238.1 -> 125...	7/2/2018 2:38 PM	6.032	806018	14233...	238.1 -> 220...	109888	10.24	Mefenorex-D4	242.1 -> 129...	6.011	30281...					
Mirtazapine	266.2 -> 116...	7/2/2018 2:38 PM	5.539	81519	622.33	266.2 -> 56.3	94017	11751.56	Mirtazapine-D7	268.2 -> 183...	5.907	215361					
Meprobramate	219.1 -> 158...	7/2/2018 2:38 PM	6.375	749991	322.92	219.1 -> 72.3	666096	22121.01	Meprobramate-D7	268.2 -> 183...	5.907	215361					
Methadone	310.2 -> 265...	7/2/2018 2:38 PM	6.448	12303...	18.38	310.2 -> 97.1	24255	3314.96	Methadone-D9	226.2 -> 165...	5.483	18000					
Methamphetamine	150.1 -> 91.1	7/2/2018 2:38 PM	5.137	293119	Infinity	150.1 -> 119...	706371	317.27	Methamphetamine-D11	319.3 -> 268...	6.426	47068...					
Morphine	286.2 -> 201...	7/2/2018 2:38 PM	4.761	27572	61.94	286.2 -> 165...	20244	56.09	Morphine-D6	161.2 -> 97.1	5.116	815436					
Norbuprenorphine	414.3 -> 101...	7/2/2018 2:38 PM	5.973	16550	2576.63	414.3 -> 57.3	21997	12.44	Norbuprenorphine-D3	292.2 -> 152...	4.678	58519					
Nordiazepam	271.1 -> 140...	7/2/2018 2:38 PM	6.355	144236	44222...	271.1 -> 208...	33258	47097.65	Nordiazepam-D5	417.3 -> 101...	5.973	61986					
Norfentanyl	233.2 -> 84.2	7/2/2018 2:38 PM	5.441	654569	1628.11	233.2 -> 55.3	210950	137.57	Norfentanyl-D5	276.1 -> 140...	6.333	380291					
Norhydrocodone	286.2 -> 199...	7/2/2018 2:38 PM	5.107	22457	5.88	286.2 -> 171...	8698	Infinity	Norhydrocodone-D3	238.2 -> 84.2	5.441	25834...					
Noroxycodone	302.1 -> 284...	7/2/2018 2:38 PM	5.043	120657	Infinity	302.1 -> 186...	41308	5466.43	Noroxycodone-D3	289.2 -> 202...	5.127	262129					
O-desmethyl-tramadol	250.2 -> 58.3	7/2/2018 2:38 PM	5.031	982735	234.46	250.2 -> 42.3	19842	4161.29	O-desmethyl-tramadol...	305.2 -> 287...	5.021	649735					
Oxazepam	287.1 -> 240...	7/2/2018 2:38 PM	6.167	59465	53.75	287.1 -> 268...	47951	7.07	Oxazepam-D5	256.2 -> 64.3	5.031	23203...					
Oxycodone	316.2 -> 298...	7/2/2018 2:38 PM	5.346	383471	53.75	316.2 -> 241...	83038	379.64	Oxycodone-D6	292.1 -> 246...	6.187	137091					
Oxymorphone	302.1 -> 284...	7/2/2018 2:38 PM	4.636	384784	27.93	302.1 -> 227...	48685	63.56	Oxymorphone-D3	322.2 -> 304...	5.284	16152...					
Phentermine	150.1 -> 65.2	7/2/2018 2:38 PM	5.259	45827	8.42	150.1 -> 133...	5778	Infinity	Phentermine-D5	305.2 -> 287...	4.594	20170...					
Promethazine	285.1 -> 86.2	7/2/2018 2:38 PM	6.616	17624...	Infinity	285.1 -> 71.3	381125	276.15	Promethazine-D3	155.2 -> 96.2	5.238	11277...					
Quetiapine	384.2 -> 253...	7/2/2018 2:38 PM	6.522	11371...	43280...	384.2 -> 221...	496784	123.14	Quetiapine-D8	288.2 -> 89.2	6.595	71351...					
Setraline	306.1 -> 158...	7/2/2018 2:38 PM	6.693	444596	134.80	306.1 -> 275...	250986	32041.11	Setraline-D3	392.2 -> 226...	6.500	11436...					
Temazepam	301.1 -> 255...	7/2/2018 2:38 PM	6.329	454158	1946.63	301.1 -> 283...	187269	35.08	Temazepam-D5	309.1 -> 275...	6.692	17685...					
Tramadol	264.2 -> 58.3	7/2/2018 2:38 PM	5.581	12441...	100.90	264.2 -> 43.3	20299	Infinity	Tramadol-13C-D3	306.1 -> 260...	6.308	26936...					
Trazodone	372.2 -> 176...	7/2/2018 2:38 PM	6.705	13140...	783.25	372.2 -> 148...	14637...	1043.52	Trazodone-D6	268.2 -> 58.3	5.580	57230...					

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.
Venlafaxine	278.2 -> 58.3	7/2/2018 2:38 PM	5.885	12277...	4996.45	<input type="checkbox"/>	278.2 -> 260...	70132	9310.48	<input type="checkbox"/>	Venlafaxine-D6	284.2 -> 64.3	5.884	25030...
Zolpidem	308.2 -> 235...	7/2/2018 2:38 PM	6.226	11562...	701.09	<input type="checkbox"/>	308.2 -> 263...	376747	352.36	<input type="checkbox"/>	Zolpidem-D6	314.2 -> 235...	6.224	69680...
Mirtazapine	399.2 -> 174...	7/2/2018 2:38 PM	6.419	390050	60813...	<input type="checkbox"/>	399.2 -> 238...	59986	583.76	<input type="checkbox"/>	Quetiapine-D8	392.2 -> 226...	6.500	11436...

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...	7/2/2018 3:17 PM					328.2 -> 211...				6-MAM-D6	334.2 -> 165...	5.364	197613				
7-aminoclonazepam	286.1 -> 121...	7/2/2018 3:17 PM					286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 171...	5.392	566601				
Benzoylcegonine	290.1 -> 168...	7/2/2018 3:17 PM					290.1 -> 105...				Benzoylcegonine-D8	298.2 -> 171...	5.207	2866				
a-hydroxyalprazolam	325.1 -> 297...	7/2/2018 3:17 PM					325.1 -> 215...				a-hydroxyalprazolam-D5	330.1 -> 302...	6.159	292327				
alpha-PVP	232.2 -> 91.0	7/2/2018 3:17 PM					232.2 -> 77.1				alpha-PVP-D8	240.2 -> 91.1	5.828	23235...				
Alprazolam	309.1 -> 281...	7/2/2018 3:17 PM					309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	6.265	13900...				
Amphetamine	136.1 -> 91.1	7/2/2018 3:17 PM					136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	4.894	31346				
Cocaine	304.2 -> 182...	7/2/2018 3:17 PM					304.2 -> 105...				Cocaine-D3	307.2 -> 185...	5.797	11839...				
Bupropion	240.1 -> 184...	7/2/2018 3:17 PM					240.1 -> 131...				Bupropion-D9	249.2 -> 185...	6.031	654166				
Carisoprodol	261.2 -> 176...	7/2/2018 3:17 PM					261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	5.907	158969				
Citalopram	325.2 -> 109...	7/2/2018 3:17 PM					325.2 -> 262...				Citalopram-D6	331.2 -> 109...	6.119	13698...				
Clonazepam	316.1 -> 269...	7/2/2018 3:17 PM					316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	6.101	77920				
Codeine	300.2 -> 215...	7/2/2018 3:17 PM					300.2 -> 165...				Codeine-D6	306.2 -> 218...	5.368	160562				
Cyclobenzaprine	276.2 -> 214...	7/2/2018 3:17 PM					276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	6.474	17086...				
Dextromethorphan	272.2 -> 171...	7/2/2018 3:17 PM					272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	6.252	15118...				
Dextropropriphan	258.2 -> 157...	7/2/2018 3:17 PM					258.2 -> 133...				Dextropropriphan-D3	261.2 -> 157...	5.541	758371				
Diazepam	285.1 -> 193...	7/2/2018 3:17 PM	6.493	11322...	3481...		285.1 -> 153...	16525...	383.42		Diazepam-D5	290.1 -> 198...	6.472	406172				
Dihydrocodeine	302.2 -> 198...	7/2/2018 3:17 PM					302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	5.102	544858				
Diphenhydramine	256.2 -> 167...	7/2/2018 3:17 PM					256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	6.112	52208...				
Doxylamine	271.2 -> 182...	7/2/2018 3:17 PM					271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	5.762	836810				
EDDP	279.2 -> 235...	7/2/2018 3:17 PM					279.2 -> 250...				EDDP-D3	282.2 -> 235...	6.107	588864				
Fentanyl	337.2 -> 105...	7/2/2018 3:17 PM					337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	6.401	43600...				
Fluoxetine	310.1 -> 44.3	7/2/2018 3:17 PM					310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	6.284	48154...				
Hydrocodone	300.2 -> 198...	7/2/2018 3:17 PM					300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	5.594	843963				
Hydromorphone	286.2 -> 184...	7/2/2018 3:17 PM					286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	4.943	326079				
Ketamine	238.1 -> 125...	7/2/2018 3:17 PM					238.1 -> 220...				Ketamine-D4	242.1 -> 129...	5.990	26276...				
Meperidine	268.2 -> 116...	7/2/2018 3:17 PM	5.539	10479...	1283...		268.2 -> 56.3	11818...	2542...		Carisoprodol-D7	268.2 -> 183...	5.907	158969				
Mirtazapine	266.2 -> 195...	7/2/2018 3:17 PM					266.2 -> 72.3				Carisoprodol-D7	268.2 -> 183...	5.907	158969				
Mepropramate	219.1 -> 158...	7/2/2018 3:17 PM					219.1 -> 97.1				Mepropramate-D7	226.2 -> 165...	5.463	15637				
Methadone	310.2 -> 265...	7/2/2018 3:17 PM					310.2 -> 105...				Methadone-D9	319.3 -> 268...	6.406	36985...				
Methamphetamine	150.1 -> 91.1	7/2/2018 3:17 PM	5.116	24321	1.18		150.1 -> 119...				Methamphetamine-D11	161.2 -> 97.1	5.096	897137				
Morphine	286.2 -> 201...	7/2/2018 3:17 PM					286.2 -> 165...				Morphine-D6	292.2 -> 152...	4.658	47640				
Norbuprenorphine	414.3 -> 101...	7/2/2018 3:17 PM					414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101...	5.953	51286				
Nordiazepam	271.1 -> 140...	7/2/2018 3:17 PM					271.1 -> 208...				Nordiazepam-D5	276.1 -> 140...	6.333	378454				
Norfentanyl	233.2 -> 84.2	7/2/2018 3:17 PM					233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.420	24831...				
Norhydrocodone	286.2 -> 199...	7/2/2018 3:17 PM					286.2 -> 171...				Norhydrocodone-D3	289.2 -> 202...	5.106	223310				
Noroxycodone	302.1 -> 284...	7/2/2018 3:17 PM					302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	5.021	625568				
O-desmethyl-tramadol	250.2 -> 58.3	7/2/2018 3:17 PM					250.2 -> 42.3				O-desmethyl-tramadol...	256.2 -> 64.3	5.011	21468...				
Oxazepam	287.1 -> 240...	7/2/2018 3:17 PM					287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	6.167	113686				
Oxycodone	316.2 -> 298...	7/2/2018 3:17 PM	5.325	34705...	350.59		316.2 -> 241...	693218	395.28		Oxycodone-D6	322.2 -> 304...	5.284	14630...				
Oxymorphone	302.1 -> 284...	7/2/2018 3:17 PM					302.1 -> 227...				Oxymorphone-D3	305.2 -> 287...	4.573	16363...				
Phentermine	150.1 -> 65.2	7/2/2018 3:17 PM					150.1 -> 133...				Phentermine-D5	155.2 -> 96.2	5.218	10390...				
Promethazine	285.1 -> 86.2	7/2/2018 3:17 PM					285.1 -> 71.3				Promethazine-D3	288.2 -> 89.2	6.574	56269...				
Quetiapine	384.2 -> 253...	7/2/2018 3:17 PM					384.2 -> 221...				Quetiapine-D8	392.2 -> 226...	6.480	906861				
Serrraline	306.1 -> 158...	7/2/2018 3:17 PM					306.1 -> 275...				Serrraline-D3	309.1 -> 275...	6.692	14128...				
Temazepam	301.1 -> 255...	7/2/2018 3:17 PM					301.1 -> 283...				Temazepam-D5	306.1 -> 260...	6.308	25764...				
Tramadol	264.2 -> 58.3	7/2/2018 3:17 PM					264.2 -> 43.3				Tramadol-13C-D3	268.2 -> 58.3	5.560	50615...				
Trazodone	372.2 -> 176...	7/2/2018 3:17 PM					372.2 -> 148...				Trazodone-D6	378.2 -> 182...	6.644	34450...				

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.						
Venlafaxine	278.2 -> 58.3	7/2/2018 3:17 PM					278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	5.864	21105...						
Zolpidem	308.2 -> 235...	7/2/2018 3:17 PM					308.2 -> 263...				Zolpidem-D6	314.2 -> 235...	6.203	60650...						
Mirtagynine	399.2 -> 174...	7/2/2018 3:17 PM					399.2 -> 238...				Quetiapine-D8	392.2 -> 226...	6.480	906861						

Compound Method			p1 negative			p1 negative Results			ISTD Method					
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Qualifier 1 M...	Area	S/N	MI	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	7/2/2018 2:58 PM					328.2 -> 211...				6-MAM-D6	334.2 -> 165...	5.385	217892
7-aminoclonazepam	286.1 -> 121...	7/2/2018 2:58 PM					286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	5.413	627123
Benzoylcegonine	290.1 -> 168...	7/2/2018 2:58 PM					290.1 -> 105...				Benzoylcegonine-D8	298.2 -> 171...	5.248	1897
a-hydroxyalprazolam	325.1 -> 297...	7/2/2018 2:58 PM					325.1 -> 215...				a-hydroxyalprazolam-D5	330.1 -> 302...	6.180	317716
alpha-PVP	232.2 -> 91.0	7/2/2018 2:58 PM					232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	5.848	28579...
Alprazolam	309.1 -> 281...	7/2/2018 2:58 PM					309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	6.285	15850...
Amphetamine	136.1 -> 91.1	7/2/2018 2:58 PM					136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	4.934	29931
Cocaine	304.2 -> 182...	7/2/2018 2:58 PM					304.2 -> 105...				Cocaine-D3	307.2 -> 185...	5.817	13350...
Bupropion	240.1 -> 184...	7/2/2018 2:58 PM					240.1 -> 131...				Bupropion-D9	249.2 -> 185...	6.051	805932
Carisoprodol	261.2 -> 176...	7/2/2018 2:58 PM					261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	5.927	233494
Citalopram	325.2 -> 109...	7/2/2018 2:58 PM					325.2 -> 262...				Citalopram-D6	331.2 -> 109...	6.139	17240...
Clonazepam	316.1 -> 269...	7/2/2018 2:58 PM					316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	6.121	88038
Codeine	300.2 -> 215...	7/2/2018 2:58 PM					300.2 -> 165...				Codeine-D6	306.2 -> 218...	5.390	187703
Cyclobenzaprine	276.2 -> 214...	7/2/2018 2:58 PM					276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	6.494	21983...
Dextromethorphan	272.2 -> 171...	7/2/2018 2:58 PM					272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	6.272	17706...
Dextrophan	258.2 -> 157...	7/2/2018 2:58 PM					258.2 -> 133...				Dextrophan-D3	261.2 -> 157...	5.561	864514
Diazepam	285.1 -> 193...	7/2/2018 2:58 PM					285.1 -> 153...				Diazepam-D5	290.1 -> 198...	6.492	511650
Dihydrocodeine	302.2 -> 198...	7/2/2018 2:58 PM					302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	5.142	675457
Diphenhydramine	256.2 -> 167...	7/2/2018 2:58 PM					256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	6.133	62200...
Doxylamine	271.2 -> 182...	7/2/2018 2:58 PM					271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	5.782	982718
EDDP	279.2 -> 235...	7/2/2018 2:58 PM					279.2 -> 250...				EDDP-D3	282.2 -> 235...	6.128	606936
Fentanyl	337.2 -> 105...	7/2/2018 2:58 PM					337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	6.422	52351...
Fluoxetine	310.1 -> 44.3	7/2/2018 2:58 PM					310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	6.305	57036...
Hydrocodone	300.2 -> 198...	7/2/2018 2:58 PM					300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	5.614	952143
Hydromorphone	286.2 -> 184...	7/2/2018 2:58 PM					286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	4.963	373216
Ketamine	238.1 -> 125...	7/2/2018 2:58 PM					238.1 -> 220...				Ketamine-D4	242.1 -> 129...	6.011	30549...
Metoprolol	268.2 -> 116...	7/2/2018 2:58 PM					268.2 -> 56.3				Carisoprodol-D7	268.2 -> 183...	5.927	233494
Mirtazapine	266.2 -> 195...	7/2/2018 2:58 PM					266.2 -> 72.3				Carisoprodol-D7	268.2 -> 183...	5.927	233494
Meprobamate	219.1 -> 158...	7/2/2018 2:58 PM					219.1 -> 97.1				Meprobamate-D7	226.2 -> 165...	5.463	21891
Methadone	310.2 -> 265...	7/2/2018 2:58 PM					310.2 -> 105...				Methadone-D9	319.3 -> 268...	6.446	45803...
Methamphetamine	150.1 -> 91.1	7/2/2018 2:58 PM					150.1 -> 119...				Methamphetamine-D11	161.2 -> 97.1	5.116	10361...
Morphine	286.2 -> 201...	7/2/2018 2:58 PM					286.2 -> 165...				Morphine-D6	292.2 -> 152...	4.699	48944
Nortuprenorphine	414.3 -> 101...	7/2/2018 2:58 PM					414.3 -> 57.3				Nortuprenorphine-D3	417.3 -> 101...	5.993	57745
Nordiazepam	271.1 -> 140...	7/2/2018 2:58 PM					271.1 -> 208...				Nordiazepam-D5	276.1 -> 140...	6.354	446976
Norfentanyl	233.2 -> 84.2	7/2/2018 2:58 PM					233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.441	29568...
Norhydrocodone	286.2 -> 199...	7/2/2018 2:58 PM					286.2 -> 171...				Norhydrocodone-D3	289.2 -> 202...	5.147	275238
Noroxycodone	302.1 -> 284...	7/2/2018 2:58 PM					302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	5.042	733755
O-desmethyl-tramadol	250.2 -> 58.3	7/2/2018 2:58 PM					250.2 -> 42.3				O-desmethyl-tramadol...	256.2 -> 64.3	5.031	21764...
Oxazepam	287.1 -> 240...	7/2/2018 2:58 PM					287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	6.187	149105
Oxycodone	316.2 -> 298...	7/2/2018 2:58 PM					316.2 -> 241...				Oxycodone-D6	322.2 -> 304...	5.305	16411...
Oxymorphone	302.1 -> 284...	7/2/2018 2:58 PM					302.1 -> 227...				Oxymorphone-D3	305.2 -> 287...	4.594	18961...
Phentermine	150.1 -> 65.2	7/2/2018 2:58 PM					150.1 -> 133...				Phentermine-D5	155.2 -> 96.2	5.259	11877...
Promethazine	285.1 -> 86.2	7/2/2018 2:58 PM					285.1 -> 71.3				Promethazine-D3	288.2 -> 89.2	6.595	66209...
Quetiapine	384.2 -> 253...	7/2/2018 2:58 PM					384.2 -> 221...				Quetiapine-D8	392.2 -> 226...	6.500	11068...
Serrraline	306.1 -> 158...	7/2/2018 2:58 PM					306.1 -> 275...				Serrraline-D3	309.1 -> 275...	6.712	17129...
Temazepam	301.1 -> 255...	7/2/2018 2:58 PM					301.1 -> 283...				Temazepam-D5	306.1 -> 260...	6.328	29903...
Tramadol	264.2 -> 58.3	7/2/2018 2:58 PM					264.2 -> 43.3				Tramadol-13C-D3	268.2 -> 58.3	5.580	58393...
Trazodone	372.2 -> 176...	7/2/2018 2:58 PM					372.2 -> 148...				Trazodone-D6	378.2 -> 182...	6.685	42789...

Compound Method		p1 negative			p1 negative Results			Qualifier 1 M...			Qualifier 1 R...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.			
Venlafaxine	278.2 -> 58.3	7/2/2018 2:58 PM	6.231	11416	5.12		278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	5.884	25041...			
Zolpidem	308.2 -> 235...	7/2/2018 2:58 PM					308.2 -> 263...				Zolpidem-D6	314.2 -> 235...	6.224	70980...			
Mirtazapine	399.2 -> 174...	7/2/2018 2:58 PM					399.2 -> 238...				Quetiapine-D8	392.2 -> 226...	6.500	11068...			

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	Area	S/N	MI	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	7/2/2018 2:48 PM	5.583	277607	335...	284.1 -> 93.2	30806	253.26	291.2 -> 138...	5.582	7-aminoflunitrazepam...	291.2 -> 138...	5.582	15343...
Acetyl Fentanyl	323.2 -> 105...	7/2/2018 2:48 PM	6.269	87149	Infini...	323.2 -> 188...	33206	48.99	328.2 -> 105...	6.248	Acetyl Fentanyl-D5	328.2 -> 105...	6.248	56430...
Acetyl Norfentanyl	219.1 -> 84.2	7/2/2018 2:48 PM	5.002	40003	62.78	219.1 -> 56.3	12665	74.13	224.2 -> 84.2	5.001	Acetyl Norfentanyl-D5	224.2 -> 84.2	5.001	19629...
alpha-hydroxymidazolam	342.1 -> 324...	7/2/2018 2:48 PM	6.266	378736	241...	342.1 -> 203...	1684	480.65	346.1 -> 328...	6.245	alpha-hydroxymidazol...	346.1 -> 328...	6.245	18600...
Amtripylyne	278.2 -> 91.2	7/2/2018 2:48 PM	6.620	833894	23.38	278.2 -> 105...	3842	Infinity	281.2 -> 91.2	6.619	Amtripylyne-D3	281.2 -> 91.2	6.619	21159...
Carbamazepine	237.1 -> 193...	7/2/2018 2:48 PM	5.957	145365	421...	237.1 -> 194...	9183	281.44	243.1 -> 200...	5.956	Carbamazepine-13C6	243.1 -> 200...	5.956	54362...
Chlordiazepoxide	300.1 -> 227...	7/2/2018 2:48 PM	6.393	117815	393...	300.1 -> 282...	2142	32.28	305.1 -> 286...	6.372	Chlordiazepoxide-D5	305.1 -> 286...	6.372	24615...
Desipramine	267.2 -> 72.3	7/2/2018 2:48 PM	6.440	12197...	233...	267.2 -> 44.3	5313	223.49	270.2 -> 75.3	6.439	Desipramine-D3	270.2 -> 75.3	6.439	63244...
Doxepin	280.2 -> 107...	7/2/2018 2:48 PM	6.336	373238	193...	280.2 -> 77.2	1466	Infinity	283.2 -> 107...	6.315	Doxepin-D3	283.2 -> 107...	6.315	21435...
Estazolam	295.1 -> 267...	7/2/2018 2:48 PM	6.212	455744	108...	295.1 -> 205...	2205	323.58	300.1 -> 272...	6.191	Estazolam-D5	300.1 -> 272...	6.191	28122...
Flunitrazepam	314.1 -> 268...	7/2/2018 2:48 PM	6.229	361640	481...	314.1 -> 239...	1042	62053...	321.1 -> 245...	6.229	Flunitrazepam-D7	321.1 -> 245...	6.229	172668
Flurazepam	388.2 -> 315...	7/2/2018 2:48 PM	6.446	824834	325...	388.2 -> 317...	1450	214.61	393.1 -> 244...	6.242	Flurazepam-D7	393.1 -> 244...	6.242	594616
Imipramine	281.2 -> 86.2	7/2/2018 2:48 PM	6.578	15686...	Infini...	281.2 -> 58.3	9563	66.18	284.2 -> 61.3	6.557	Imipramine-D3	284.2 -> 61.3	6.557	60531...
Levamisole	205.1 -> 91.2	7/2/2018 2:48 PM	5.513	252093	33.20	205.1 -> 178...	2753	36.63	200.2 -> 166...	5.228	MDMA-D6	200.2 -> 166...	5.228	77771
Maprotiline	278.2 -> 91.2	7/2/2018 2:48 PM	6.113	907112	Infini...	278.2 -> 117...	9167	25.08	252.2 -> 224...	5.873	Meperidine-D4	252.2 -> 224...	5.873	16942...
MDA	180.1 -> 163...	7/2/2018 2:48 PM	5.108	171761	Infini...	180.1 -> 105...	79779	32.20	185.1 -> 168...	5.107	MDA-D5	185.1 -> 168...	5.107	409522
MDEA	208.1 -> 163...	7/2/2018 2:48 PM	5.390	561968	94.00	208.1 -> 105...	2676	139.41	214.2 -> 166...	5.370	MDEA-D6	214.2 -> 166...	5.370	20752...
MDMA	194.1 -> 163...	7/2/2018 2:48 PM	5.248	285934	42.41	194.1 -> 105...	1619	33.12	200.2 -> 166...	5.228	MDMA-D6	200.2 -> 166...	5.228	77771
Meperidine	248.2 -> 220...	7/2/2018 2:48 PM	5.894	274456	Infini...	248.2 -> 174...	2066	43.85	252.2 -> 224...	5.873	Meperidine-D4	252.2 -> 224...	5.873	16942...
Methylphenidate	234.2 -> 84.2	7/2/2018 2:48 PM	5.714	13651...	Infini...	234.2 -> 56.3	2597	Infinity	252.2 -> 224...	5.873	Meperidine-D4	252.2 -> 224...	5.873	16942...
Midazolam	326.1 -> 223...	7/2/2018 2:48 PM	6.429	101909	98.87	326.1 -> 249...	1303	34566...	330.1 -> 295...	6.429	Midazolam-D4	330.1 -> 295...	6.429	16830...
Normeperidine	234.1 -> 42.3	7/2/2018 2:48 PM	5.715	268352	39.65	234.1 -> 160...	1591	32.81	238.2 -> 164...	5.693	Normeperidine-D4	238.2 -> 164...	5.693	17153...
Nortriptyline	264.2 -> 91.2	7/2/2018 2:48 PM	6.481	243664	Infini...	264.2 -> 233...	2266	Infinity	267.2 -> 233...	6.480	Nortriptyline-D3	267.2 -> 233...	6.480	741559
Phenazepam	349.0 -> 206...	7/2/2018 2:48 PM	6.306	163835	239...	349.0 -> 183...	1215	334.00	353.0 -> 183...	6.285	Phenazepam-D4	353.0 -> 183...	6.285	59685
Phencyclidine	244.2 -> 86.2	7/2/2018 2:48 PM	6.037	426454	479...	244.2 -> 91.1	4819	46.70	249.2 -> 86.2	6.015	Phencyclidine-D5	249.2 -> 86.2	6.015	30521...
Phenylethylamine	253.1 -> 104...	7/2/2018 2:48 PM	5.872	264326	480...	253.1 -> 182...	6144	3078.74	263.2 -> 192...	5.831	Phenylethylamine-D10	263.2 -> 192...	5.831	73690
Pseudoephedrine	166.1 -> 148...	7/2/2018 2:48 PM	4.766	43522	868...	166.1 -> 133...	9901	61.80	169.1 -> 151...	4.745	Pseudoephedrine-D3	169.1 -> 151...	4.745	13728...
Sulfentanil	387.2 -> 238...	7/2/2018 2:48 PM	6.748	119157	258...	387.2 -> 111...	78753	29639...	392.2 -> 238...	5.532	Sulfentanil-D5	392.2 -> 238...	5.532	24604...
Tapentadol	222.2 -> 107...	7/2/2018 2:48 PM	5.552	535659	116...	222.2 -> 121...	2857	195.23	225.2 -> 107...	5.532	Tapentadol-D3	225.2 -> 107...	5.532	24604...
Zaleplon	306.1 -> 236...	7/2/2018 2:48 PM	6.047	374416	575...	306.1 -> 264...	4171	1175.94	310.2 -> 240...	6.047	Zaleplon-D4	310.2 -> 240...	6.047	12028...
Zopiclone	389.1 -> 244...	7/2/2018 2:48 PM	6.243	44010	Infini...	389.1 -> 216...	15515	22.36	393.1 -> 244...	6.242	Zopiclone-D4	393.1 -> 244...	6.242	594616

Compound Method				p2 external control				p2 external control Results				ISTD Method				ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Qualifier 1 M...	Area	S/N	MI	Name	Transition	RT	Resp.				
7-aminoflunitrazepam	284.1 -> 135...	7/2/2018 3:27 PM					284.1 -> 93.2				7-aminoflunitrazepam-...	291.2 -> 138...	5.582	15129...				
Acetyl Fentanyl	323.2 -> 105...	7/2/2018 3:27 PM					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	6.268	48299...				
Acetyl Norfentanyl	219.1 -> 84.2	7/2/2018 3:27 PM					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	5.001	16618...				
alpha-hydroxymidazolam	342.1 -> 324...	7/2/2018 3:27 PM					342.1 -> 203...				alpha-hydroxymidazola...	346.1 -> 328...	6.266	18769...				
Amtripyline	278.2 -> 91.2	7/2/2018 3:27 PM					278.2 -> 105...				Amtripyline-D3	281.2 -> 91.2	6.619	17275...				
Carbamazepine	237.1 -> 193...	7/2/2018 3:27 PM					237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	5.956	45031...				
Chlordiazepoxide	300.1 -> 227...	7/2/2018 3:27 PM					300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.393	20593...				
Desipramine	267.2 -> 72.3	7/2/2018 3:27 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.459	48698...				
Doxepin	280.2 -> 107...	7/2/2018 3:27 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.335	17757...				
Estazolam	295.1 -> 267...	7/2/2018 3:27 PM					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.211	25864...				
Flunitrazepam	314.1 -> 268...	7/2/2018 3:27 PM					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.229	135301				
Flurazepam	388.2 -> 315...	7/2/2018 3:27 PM					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.263	468704				
Imipramine	281.2 -> 86.2	7/2/2018 3:27 PM					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.578	53465...				
Levamisole	205.1 -> 91.2	7/2/2018 3:27 PM					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.248	73565				
Maprotiline	278.2 -> 91.2	7/2/2018 3:27 PM					278.2 -> 117...				Mepertidine-D4	252.2 -> 224...	5.893	13976...				
MDA	180.1 -> 163...	7/2/2018 3:27 PM					180.1 -> 105...				MDA-D5	185.1 -> 168...	5.107	392760				
MDEA	208.1 -> 163...	7/2/2018 3:27 PM					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.390	17512...				
MDMA	194.1 -> 163...	7/2/2018 3:27 PM					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.248	73565				
Mepertidine	248.2 -> 220...	7/2/2018 3:27 PM	5.894	27320...	75.98		248.2 -> 174...	21672...	Infri...		Mepertidine-D4	252.2 -> 224...	5.893	13976...				
Methyphenidate	234.2 -> 84.2	7/2/2018 3:27 PM					234.2 -> 56.3				Mepertidine-D4	252.2 -> 224...	5.893	13976...				
Midazolam	326.1 -> 223...	7/2/2018 3:27 PM					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.429	13968...				
Normeperidine	234.1 -> 42.3	7/2/2018 3:27 PM	5.674	23076	14.97		234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.713	14899...				
Nortriptyline	264.2 -> 91.2	7/2/2018 3:27 PM					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.480	740729				
Phenazepam	349.0 -> 206...	7/2/2018 3:27 PM					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.285	63396				
Phencyclidine	244.2 -> 86.2	7/2/2018 3:27 PM					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	6.036	24536...				
Phenyletoin	253.1 -> 104...	7/2/2018 3:27 PM	5.893	7563	1871...		253.1 -> 182...				Phenyletoin-D10	263.2 -> 192...	5.851	56671				
Pseudoephedrine	166.1 -> 148...	7/2/2018 3:27 PM					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.745	15447...				
Sufentanil	387.2 -> 238...	7/2/2018 3:27 PM					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.747	40214...				
Tapentadol	222.2 -> 107...	7/2/2018 3:27 PM					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.552	19987...				
Zaleplon	306.1 -> 236...	7/2/2018 3:27 PM					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.047	10470...				
Zopiclone	389.1 -> 244...	7/2/2018 3:27 PM					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.263	468704				

Compound Method		p2 negative		p2 negative Results			Qualifier 1 M...		Qualifier 1 R...		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...	7/2/2018 3:07 PM					284.1 -> 93.2				7-aminoflunitrazepam-...	291.2 -> 138...	5.582	16609...
Acetyl Fentanyl	323.2 -> 105...	7/2/2018 3:07 PM					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	6.268	55537...
Acetyl Norfentanyl	219.1 -> 84.2	7/2/2018 3:07 PM					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	5.001	19903...
alpha-hydroxymidazolam	342.1 -> 324...	7/2/2018 3:07 PM	6.407	1338	Infinity		342.1 -> 203...				alpha-hydroxymidazol...	346.1 -> 328...	6.266	20939...
Amitriptyline	278.2 -> 91.2	7/2/2018 3:07 PM					278.2 -> 105...				Amitriptyline-D3	281.2 -> 91.2	6.619	21387...
Carbamazepine	237.1 -> 193...	7/2/2018 3:07 PM					237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	5.956	54279...
Chlordiazepoxide	300.1 -> 227...	7/2/2018 3:07 PM					300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.393	25758...
Desipramine	267.2 -> 72.3	7/2/2018 3:07 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.439	60520...
Doxepin	280.2 -> 107...	7/2/2018 3:07 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.335	21390...
Estazolam	295.1 -> 267...	7/2/2018 3:07 PM					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.211	30363...
Flunitrazepam	314.1 -> 268...	7/2/2018 3:07 PM					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.229	162147
Flurazepam	388.2 -> 315...	7/2/2018 3:07 PM					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.242	582947
Imipramine	281.2 -> 86.2	7/2/2018 3:07 PM					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.578	62968...
Levamisole	205.1 -> 91.2	7/2/2018 3:07 PM					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.248	78225
Maprotiline	278.2 -> 91.2	7/2/2018 3:07 PM					278.2 -> 117...				Meperidine-D4	252.2 -> 224...	5.893	16309...
MDA	180.1 -> 163...	7/2/2018 3:07 PM					180.1 -> 105...				MDA-D5	185.1 -> 168...	5.107	433238
MDEA	208.1 -> 163...	7/2/2018 3:07 PM					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.390	20911...
MDMA	194.1 -> 163...	7/2/2018 3:07 PM					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.248	78225
Meperidine	248.2 -> 220...	7/2/2018 3:07 PM					248.2 -> 174...				Meperidine-D4	252.2 -> 224...	5.893	16309...
Methylphenidate	234.2 -> 84.2	7/2/2018 3:07 PM					234.2 -> 56.3				Meperidine-D4	252.2 -> 224...	5.893	16309...
Midazolam	326.1 -> 223...	7/2/2018 3:07 PM					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.429	16866...
Normeperidine	234.1 -> 42.3	7/2/2018 3:07 PM					234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.713	17998...
Nortriptyline	264.2 -> 91.2	7/2/2018 3:07 PM					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.480	850216
Phenazepam	349.0 -> 206...	7/2/2018 3:07 PM					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.305	69402
Phencyclidine	244.2 -> 86.2	7/2/2018 3:07 PM					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	6.036	29140...
Phenylethylamine	253.1 -> 104...	7/2/2018 3:07 PM	5.872	13078	22.33		253.1 -> 182...				Phenylethylamine-D10	263.2 -> 192...	5.851	76852
Pseudoephedrine	166.1 -> 148...	7/2/2018 3:07 PM					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.766	16032...
Sufentanil	387.2 -> 238...	7/2/2018 3:07 PM					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.747	48930...
Tapentadol	222.2 -> 107...	7/2/2018 3:07 PM					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.552	23606...
Zaleplon	306.1 -> 236...	7/2/2018 3:07 PM					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.047	12336...
Zopiclone	389.1 -> 244...	7/2/2018 3:07 PM					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.242	582947