* AM 7 central data available upon request. - TS

12/19/2018

Worklist: 2823	}			REVIEWED	
LAB CASE	ITEM	TASK ID	DESCRIPTION	By Sarah Pickle at 12:14 pm, Dec	19, 2018
M2018-5372	1	133647	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5498	2	133648	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5592	1	133650	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5592	2	133653	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5594	1	133651	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5594	2	133652	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5624	1	133655	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5751	1	133658	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5767	3	133662	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
M2018-5793	1	133663	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3029	1	133646	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3175	3	133654	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3187	1	133649	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3235	1	133656	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3260	1	133657	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3271	1	133659	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3274	1	133660	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3275	1	133661	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3337	1	133664	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3339	1	133665	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3340	1	133666	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3352	1	133667	AM 25 Blood Multi-Drug	Screen by LC-QQQ	
P2018-3353	1	133668	AM 25 Blood Multi-Drug	Screen by LC-QQQ	

Worklist: 2823

LAB CASE	<u>ITEM</u>	TASK_ID	DESCRIPTION	
P2018-3369	1	133669	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3392	2	133645	AM 25 Blood Multi-Drug Screen by LC-QQQ	111 111 1



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



Extraction Date: 12/11/18 Analyst: <u>Tamara Salazar</u>
Plate lot#: 0543908 Plate Expiration: 11/28/19

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: 445283-1 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.

- \boxtimes 8. Wait 5 minutes.
- ∅ 9. Add 900uL ethyl acetate.
- \boxtimes 10. Wait 5 minutes.
- □ 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- □ 12. Add 900uL ethyl acetate.
- \boxtimes 13. Wait 5 minutes.
- △ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- Σ 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: P1 MDS TS wklst2823

P2 MDS TS wklst2823

Worklist path: C:\MassHunter\Data\2018\121118 MDS TS wklst 2823

- ☑ 2. Make necessary changes to integration limits
- □ A. Did all QCs pass for each analyte? Y / N
 □ N
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- ☑ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Meprobamate not evaluated.

P2018-3392 did not inject properly for panel b. The sample was reconstituted and reinjected for panel b on 12/12/18.





Idaho State Police Forensic Services

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

Analyst: Tamara Salazar Extraction Date: 12/11/18 Worklist Number: 2823

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Screening Plate	0543908	11/28/19	12/05/18		
Negative Blood	445283-1		10/25/18		
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	082818	02/28/19	08/28/19		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	182702		09/17/18		
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)	111318		11/13/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	111318		11/13/18		
Needle Rinse75% LCMS MeOH in LCMS Water	110818		11/08/18		

Methanol External Control Solution (Lot: 042618)

100 ul of Img/mL stock was added to each drug to 9600 ul of LC MeOH.

Component	Source	Source Lot Number	Expiration Date
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		





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 Salaza	r
Expires:	04/26/19	

0.5M Ammonium Hydroxide (Lot: 082818)

Component	Source	Source Lot Number
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	(m)	
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	02/28/19	

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 111318)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	182702
Prepared:	11/13/18	
Prepared By:	Tamara Salazar	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 111318)

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	11/13/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot 110818)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	11/08/18	
Prepared By:	Sarah Pickle	

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Compound Method	ethod	p1 negative	ď	p1 negative Results	Kesulis	3	Qualifier 1 M	Qualmer 1 Ke	- 76	DOLIN Method	20	5	Silbean Gio
Name	Transition	Acq. Date-Time	RT	Resp.	N/S	MI	Transition	Area S	S/N M	Name	Transition	R	Resp.
6-MAM	328.2 -> 165	12/11/2018 12:35 PM				328	328.2 -> 211		L	6-MAM-D6	334.2 -> 165	5.381	153924
7-aminoclonazepam	286.1 -> 121	12/11/2018 12:35 PM				7 286	286.1 -> 222		L	7-Aminoclonazepam-D4	290.1 -> 121		
Benzoylecgonine	290.1 -> 168	12/11/2018 12:35 PM				290	290.1 -> 105		L	Benzoylecgonine-D8	298.2 -> 171	-	
a-hydroxyalprazolam	325.1 -> 297	12/11/2018 12:35 PM				325	325.1 -> 215		L	a-hydroxyalprazolam-D5	-	-	L
alpha-PVP	232.2 -> 91.0	12/11/2018 12:35 PM				7 232	232.2 -> 77.1		L	alpha-PVP-d8		-	_
Alprazolam	309.1 -> 281	12/11/2018 12:35 PM				309	309.1 -> 205		L	Alprazolam-D5	314.1 -> 286	6.405	
Amphetamine	136.1 -> 91.1	12/11/2018 12:35 PM				136	136.1 -> 119		L	Amphetamine-D11	147.2 -> 130	4.871	75895
Cocaine	304.2 -> 182	-				304	304.2 -> 105		L	Cocaine-D3	307.2 -> 185	5.753	543124
Bupropion	240.1 -> 184	-				7 240	240.1 -> 131			Bupropion-D9	249.2 -> 185	5.966	192121
Carisoprodol	261.2 -> 176		6.087	395	187.30	7 261.	261.2 -> 55.3	280	2.48	Carisoprodol-D7	268.2 -> 183	6.045	89829
Citalopram	325.2 -> 109	12/11/2018 12:35 PM				325	325.2 -> 262		F	Citalopram-D6	331.2 -> 109	6.054	529299
Clonazepam	316.1 -> 269	12/11/2018 12:35 PM				316.	316.1 -> 213		L	Clonazepam-D4	320.1 -> 217	6.281	35215
Codeine	300.2 -> 215	_				300	300.2 -> 165		L	Codeine-D6	306.2 -> 218	5.384	Γ
Cyclobenzaprine	276.2 -> 214	-				7 276.	276.2 -> 231		L	Cyclobenzaprine-D3	279.2 -> 215	6.308	854980
Dextromethorphan	272.2 -> 171	12/11/2018 12:35 PM			_	7 272.	272.2 -> 147		L	Dextromethorphan-D3	275.2 -> 171	6.085	681499
Dextrorphan	258.2 -> 157	12/11/2018 12:35 PM				7 258.	258.2 -> 133		L.	Dextrorphan-D3	261.2 -> 157	5.475	332640
Diazepam	285.1 -> 193	12/11/2018 12:35 PM				7 285.	285.1 -> 153		L	Diazepam-D5	290.1 -> 198	6.652	555458
Dihydrocodeine	302.2 -> 198	12/11/2018 12:35 PM				302.	302.2 -> 128			Dihydrocodeine-D6	308.2 -> 202	5.097	368809
Diphenhydramine	256.2 -> 167	12/11/2018 12:35 PM				7 256.	256.2 -> 152		L	Diphenhydramine-D3	259.2 -> 167	6.027	14565
Doxylamine	271.2 -> 182	12/11/2018 12:35 PM				271.	271.2 -> 167		L	Doxylamine-D5	276.2 -> 187	5.677	299902
EDDP	279.2 -> 235	12/11/2018 12:35 PM				7 279.	279.2 -> 250		L	EDDP-D3	282.2 -> 235	6.002	39419
Fentanyl	337.2 -> 105	12/11/2018 12:35 PM				337.	337.2 -> 188		L	Fentanyl-D5	342.3 -> 105	6.277	28582
Fluoxetine	310.1 -> 44.3	12/11/2018 12:35 PM				7 310.	310.1 -> 148			Fluoxetine-D6	316.2 -> 44.3	6.240	29266
Hydrocodone	300.2 -> 198	12/11/2018 12:35 PM				300	300.2 -> 128			Hydrocodone-D6	306.2 -> 202	5.529	583819
Hydromorphone	286.2 -> 184	12/11/2018 12:35 PM				7 286.	286.2 -> 157		L	Hydromorphone-D6	292.2 -> 185	5.021	255948
Ketamine	238.1 -> 125	12/11/2018 12:35 PM				238.	238.1 -> 220			Ketamine-D4	242.1 -> 129	6.007	
Metoprolol	268.2 -> 116	12/11/2018 12:35 PM				268.	268.2 -> 56.3		느	Carisoprodol-D7	268.2 -> 183	6.045	89829
Mirtazapine	266.2 -> 195	12/11/2018 12:35 PM				266.	266.2 -> 72.3			Carisoprodol-D7	268.2 -> 183	6.045	89829
Meprobamate	219.1 -> 158	12/11/2018 12:35 PM				7 219.	219.1 -> 97.1		L	Meprobamate-D7	226.2 -> 165	5.520	4145
Methadone	310.2 -> 265	12/11/2018 12:35 PM				310.	310.2 -> 105			Methadone-D9	319.3 -> 268	6.281	
Methamphetamine	150.1 -> 91.1	12/11/2018 12:35 PM				150.	150.1 -> 119			Methamphetamine-D11	161.2 -> 97.1	5.032	752118
Morphine	286.2 -> 201	12/11/2018 12:35 PM				286.	286.2 -> 165		L	Morphine-D6	292.2 -> 152	4.839	
Norbuprenorphine	414.3 -> 101	12/11/2018 12:35 PM				414.	414.3 -> 57.3		L	Norbuprenorphine-D3	417.3 -> 101	5.909	36253
Nordiazepam	271.1 -> 140	12/11/2018 12:35 PM				271.	271.1 -> 208		L	Nordiazepam-D5	276.1 -> 140	6.492	144814
Norfentanyl	233.2 -> 84.2	12/11/2018 12:35 PM				233.	233.2 -> 55.3		<u>L</u>	Norfentanyl-D5	238.2 -> 84.2	5.334	
Norhydrocodone	286.2 -> 199	12/11/2018 12:35 PM				286.	286.2 -> 171			Norhydrocodone-D3	289.2 -> 202	5.082	
Noroxycodone	302.1 -> 284	12/11/2018 12:35 PM				302.	302.1 -> 186		L	Noroxycodone-D3	305.2 -> 287	4.997	300622
O-desmethyl-tramadol	250.2 -> 58.3	12/11/2018 12:35 PM			_	_ 250.	250.2 -> 42.3		L	O-desmethyl-tramadol	256.2 -> 64.3	4.988	11621
Oxazepam	287.1 -> 240	12/11/2018 12:35 PM			-	_ 287.	287.1 -> 268		L	Oxazepam-D5	292.1 -> 246	6.326	93929
Oxycodone	316.2 -> 298	12/11/2018 12:35 PM			_	316.	316.2 -> 241		L	Oxycodone-D6	322.2 -> 304	5.300	448332
Oxymorphone	302.1 -> 284	12/11/2018 12:35 PM				302.	302.1 -> 227		L	Oxymorphone-D3	305.2 -> 287	4.774	11138
Phentermine	150.1 -> 65.2	12/11/2018 12:35 PM				150.	150.1 -> 133		L	Phentermine-D5	155.2 -> 96.2	5.174	852528
Promethazine	285.1 -> 86.2	12/11/2018 12:35 PM				285.	285.1 -> 71.3		느	Promethazine-D3	288.2 -> 89.2	6.368	
Quetiapine	384.2 -> 253	12/11/2018 12:35 PM			-	384.2	2 -> 221		L	Quetiapine-D8	392.2 -> 226	6.519	299969
Sertraline	306.1 -> 158	12/11/2018 12:35 PM				306.	306.1 -> 275			Sertraline-D3	309.1 -> 275	6.507	900523
Temazepam	301.1 -> 255	12/11/2018 12:35 PM				301.1	.1 -> 283			Temazepam-D5	306.1 -> 260	6.467	12340
Tramadol	264 2 -> 58 3	12/11/2018 12:35 PM				1264	264.2 -> 43.3		L	Tramadol-13C-D3	2007 4 600	717	20000

ISTD Results	Resp.	1 25304			
ISTI	RT	6.744	5,799	6.322	6.519
thod	Transition	378.2 -> 182 6.744	284.2 -> 64.3	314.2 -> 235 6.322	392.2 -> 226 6.519
ISTD Method	Name	Trazodone-D6	Venlafaxine-D6	☐ Zolpidem-D6	C Quetiapine-D8
1 Re	₹ z	L	L	L	L
Qualifier 1 M Qualifier 1 Re	Area S/N				
Qualifier 1 M G	Transition A	372.2 -> 148	278.2 -> 260	308.2 -> 263	399.2 -> 238
p1 negative Results Qualifie	Σ	L_	L	L	
	N/S				0.57
	Resp.				344
p1	R				6.296
p1 negative	Acq. Date-Time	372.2 -> 176 12/11/2018 12:35 PM	278.2 -> 58.3 12/11/2018 12:35 PM	308.2 -> 235 12/11/2018 12:35 PM	399.2 -> 174 12/11/2018 12:35 PM
SE TRETTE SE MASS	Transition	372.2 -> 176	278.2 -> 58.3	308.2 -> 235	399.2 -> 174
Compound Method	Name	Trazodone	Venlafaxine	Zolpidem	Mitragynine

40

Compound Method	Carro	p i external control	ā	external cor	p i external control Results		Gualiller I M	Guaime	Qualifier 1 Results		ISTD Method	D	2	IS I D RESUITS
Name	Transition	Acq. Date-Time	Æ	Resp.	N/S	Ξ	Transition	Area	S/N M	=	Name	Transition	Æ	Resp.
6-MAM	328.2 -> 165	12/11/2018 12:54 PM				L	328.2 -> 211			N-9	6-MAM-D6	334.2 -> 165	5.381	143942
7-aminoclonazepam	286.1 -> 121	12/11/2018 12:54 PM				L	^			7-A	7-Aminoclonazepam-D4	290.1 -> 121	5.469	303650
Benzoylecgonine	290.1 -> 168	12/11/2018 12:54 PM				L	290.1 -> 105			Ber	Benzovlecaonine-D8	298.2 -> 171	5 243	45676
a-hydroxyalprazolam	325.1 -> 297	12/11/2018 12:54 PM					325.1 -> 215			- 4-6	a-hvdroxvalprazolam-D5	330.1 -> 302	6.319	94666
alpha-PVP	232.2 -> 91.0	12/11/2018 12:54 PM				L	232.2 -> 77.1		<u> </u>	alph	alpha-PVP-d8	240.2 -> 91.1	5.783	10555
Alprazolam	309.1 -> 281	12/11/2018 12:54 PM				Ĺ	309.1 -> 205		hoo	Ap	Alprazolam-D5	314.1 -> 286	6.405	786903
Amphetamine	136.1 -> 91.1	12/11/2018 12:54 PM				Ĺ	136.1 -> 119		-	Am	Amphetamine-D11	147.2 -> 130	4.851	88019
Cocaine	304.2 -> 182	12/11/2018 12:54 PM				L	304.2 -> 105			ပိ	Cocaine-D3	307.2 -> 185	5.753	499974
Bupropion	240.1 -> 184	12/11/2018 12:54 PM				L	240.1 -> 131		-	- Bur	Bupropion-D9	249.2 -> 185	5.987	167761
Carisoprodol	261.2 -> 176	12/11/2018 12:54 PM	6.067	7 126	58.04	L	261.2 -> 55.3	2226	1.66	Car	Carisoprodol-D7	268.2 -> 183	6.045	76053
Citalopram	325.2 -> 109	12/11/2018 12:54 PM				L	325.2 -> 262			- Sign	Citalopram-D6	331.2 -> 109	6.054	485961
Clonazepam	316.1 -> 269	12/11/2018 12:54 PM				L	316.1 -> 213		_) 	Clonazepam-D4	320.1 -> 217	6.281	30419
Codeine	300.2 -> 215	12/11/2018 12:54 PM				Ľ	300.2 -> 165		_	ပြ	Codeine-D6	306.2 -> 218	5.384	133619
Cyclobenzaprine	276.2 -> 214	12/11/2018 12:54 PM					276.2 -> 231		_	Š	Cyclobenzaprine-D3	279.2 -> 215	6.328	732144
Dextromethorphan	272.2 -> 171	12/11/2018 12:54 PM	wi			Ë	272.2 -> 147		_	De	Dextromethorphan-D3	275.2 -> 171	6.085	677636
Dextrorphan	258.2 -> 157	-				Ē	258.2 -> 133		_	De	Dextrorphan-D3	261.2 -> 157	5.496	308386
Diazepam	285.1 -> 193	_	6.674	11102	719.32	L	285.1 -> 153	15329	9143	- Dia	Diazepam-D5	290.1 -> 198	6.652	477160
Dihydrocodeine	302.2 -> 198	-				L	302.2 -> 128		_	- Dih	Dihydrocodeine-D6	308.2 -> 202	5.097	345150
Diphenhydramine	256.2 -> 167	-				L	256.2 -> 152		_	Dip	Diphenhydramine-D3	259.2 -> 167	6.027	14102
Doxylamine	271.2 -> 182	12/11/2018 12:54 PM				Ĺ	271.2 -> 167		L	Dox	Doxylamine-D5	276.2 -> 187	5.677	297790
EDDP	279.2 -> 235	12/11/2018 12:54 PM				L	279.2 -> 250		_	Ē	EDDP-D3	282.2 -> 235	6.002	36601
Fentanyl	337.2 -> 105	-				Ĺ	337.2 -> 188		_	Fen	Fentanyl-D5	342.3 -> 105	6.277	26063
Fluoxetine	310.1 -> 44.3	12/11/2018 12:54 PM					310.1 -> 148		-	Flu	Fluoxetine-D6	316.2 -> 44.3	6.240	25231
Hydrocodone	300.2 -> 198	12/11/2018 12:54 PM				Ĺ	300.2 -> 128		_	Hyc	Hydrocodone-D6	306.2 -> 202	5.549	439412
Hydromorphone	286.2 -> 184					L	286.2 -> 157		<u> </u>	- H	Hydromorphone-D6	292.2 -> 185	5.021	242308
Ketamine	238.1 -> 125				_	L	238.1 -> 220			Ket	Ketamine-D4	242.1 -> 129	6.028	12533
Metoprolol	268.2 -> 116	_	5.473	566451	112.29	L	268.2 -> 56.3	558282	1132	Car	Carisoprodol-D7	268.2 -> 183	6.045	76053
Mirtazapine	266.2 -> 195						266.2 -> 72.3		_	Car	Carisoprodol-D7	268.2 -> 183	6.045	76053
Meprobamate	219.1 -> 158						219.1 -> 97.1			Me	Meprobamate-D7	226.2 -> 165	5.561	2975
Methadone	310.2 -> 265	12/11/2018 12:54 PM				L	310.2 -> 105			Met	Methadone-D9	319.3 -> 268	6.281	11928
Methamphetamine	150.1 -> 91.1	-					150.1 -> 119			Met	Methamphetamine-D11	161.2 -> 97.1	5.032	973961
Morphine	286.2 -> 201	-				``\ L I	286.2 -> 165			Mo	Morphine-D6	292.2 -> 152	4.839	38218
Norbuprenorphine	414.3 -> 101	-				1	414.3 -> 57.3			Š	Norbuprenorphine-D3	417.3 -> 101	5.929	37966
Nordiazepam	271.1 -> 140	12/11/2018 12:54 PM					271.1 -> 208			Š	Nordiazepam-D5	276.1 -> 140	6.492	109231
Nortentanyl	233.2 -> 84.2	12/11/2018 12:54 PM					233.2 -> 55.3			Š	Norfentanyl-D5	238.2 -> 84.2	5.355	10693
Nornydrocodone	286.2 -> 199	_					286.2 -> 171			Š	Norhydrocodone-D3	289.2 -> 202	5.103	162908
Noroxycodone	-						302.1 -> 186			Š	Noroxycodone-D3	305.2 -> 287	4.997	411840
O-desmethyl-tramad	-	12/11/2018 12:54 PM					250.2 -> 42.3			0	O-desmethyl-tramadol	256.2 -> 64.3	4.988	10825
Oxazepam	287.1 -> 240	12/11/2018 12:54 PM			_	L	287.1 -> 268		_	ŏ	Oxazepam-D5	292.1 -> 246	6.326	89385
Oxycodone	316.2 -> 298	-	5.362	11023	2869		316.2 -> 241	224303	1469	ő	Oxycodone-D6	322.2 -> 304	5.361	415867
Oxymorphone	302.1 -> 284	\rightarrow				Ľ	302.1 -> 227		_	ő	Oxymorphone-D3	305.2 -> 287	4.774	935088
Phentermine	150.1 -> 65.2	12/11/2018 12:54 PM		0			150.1 -> 133		_	R	Phentermine-D5	155.2 -> 96.2	5.174	922752
Promethazine	285.1 -> 86.2	12/11/2018 12:54 PM					285.1 -> 71.3			Pro	Promethazine-D3	288.2 -> 89.2	6.368	16412
Quetiapine	384.2 -> 253	12/11/2018 12:54 PM					384.2 -> 221			Ö	Quetiapine-D8	392.2 -> 226	6.519	722358
Sertraline	306.1 -> 158	\rightarrow					306.1 -> 275			Ser	Sertraline-D3	309.1 -> 275	6.507	747512
Temazepam	301.1 -> 255	-					301.1 -> 283			Ten	Temazepam-D5	306.1 -> 260	6.467	10671
Tramadol	264.2 -> 58.3	12/11/2018 12:54 PM				_	264.2 -> 43.3			Tra	Tramadol-13C-D3	268 2 -> 58 3	R 515	28662

Compound Method	lethod	p1 external control	p1 e	ternal con	trol Resul	ts	p1 external control Results	Qualifier	1 Results	1	ISTD Method	thod	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	R	Resp.	N/S	Ē	S/N MI Transition	Area	S/N Wi	Ī	Name	Transition	FA	Resp.
Frazodone	372.2 -> 176	372.2 -> 176 12/11/2018 12:54 PM				L	372.2 -> 148			E	Trazodone-D6	378.2 -> 182	6.744	
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 12/11/2018 12:54 PM				L	278.2 -> 260				/enlafaxine-D6	284.2 -> 64.3	5 799	800062
Zolpidem	308.2 -> 235	308.2 -> 235 12/11/2018 12:54 PM				L	308.2 -> 263			L	Zolpidem-D6	314.2 -> 235	6.322	
Mitragynine	399.2 -> 174	399.2 -> 174 12/11/2018 12:54 PM					399.2 -> 238				Quetiapine-D8	392.2 -> 226.	6.519	722358

Compound Method	ethod	p1 cal 1a		p1 cal 1a F	1a Results	Qua	Qualifier 1 M	Qualifie	Qualifier 1 Results	ISTD Method	poq	ISTE	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	M	Transition	Area	S/N MI	Name	Transition	R	Resp.
6-MAM	328.2 -> 165	12/11/2018 12:15 PM	5.401	3711	787.56	328.2	.2 -> 211	638	40.78	6-MAM-D6	334.2 -> 165	5,401	139060
7-aminoclonazepam	286.1 -> 121	12/11/2018 12:15 PM	5.471	96010	195.90	7 286.1	^	13710	41.74	7-Aminoclonazepam-D4	290.1 ->	-	
Benzoylecgonine	290.1 -> 168	12/11/2018 12:15 PM	5.284	10049	1419.21	7 290.1	.1 -> 105	12729	8.48	Benzoylecgonine-D8	298.2	_	
a-hydroxyalprazolam	325.1 -> 297	12/11/2018 12:15 PM	6.340	19580	75.13	7 325.1	.1 -> 215	4191	46.18	a-hydroxyalprazolam	330.1 -> 302	6.319	104901
alpha-PVP	232.2 -> 91.0	12/11/2018 12:15 PM	5.846	232148	Infinity □	- 232.	232.2 -> 77.1	80240	159.11	alpha-PVP-d8	240.2 -> 91.1	5.783	
Alprazolam	309.1 -> 281	12/11/2018 12:15 PM	6.406	205755	2766.08	309.1	.1 -> 205	71908	11224.99	Alprazolam-D5	314.1 -> 286	6.405	932471
Amphetamine	136.1 -> 91.1	12/11/2018 12:15 PM	4.912	371039	Infinity	136.	136.1 -> 119	1293	Infinity	Amphetamine-D11	147.2 -> 130	-	75089
Cocaine	304.2 -> 182	12/11/2018 12:15 PM	5.774	312665	78.41	304.	304.2 -> 105	47477	4872.08	Cocaine-D3	307.2 -> 185	-	534533
Bupropion	240.1 -> 184	12/11/2018 12:15 PM	6.028	111873	11045.0	_ 240.	240.1 -> 131	2110	39.57	Bupropion-D9	249.2 -> 185	5.987	198680
Carisoprodol	261.2 -> 176	12/11/2018 12:15 PM	6.067	25620	73.22	7 261.	261.2 -> 55.3	60564	17.96	Carisoprodol-D7	268.2 -> 183	6.045	88201
Citalopram	325.2 -> 109	12/11/2018 12:15 PM	6.075	370101	10245.6 F	7 325.	325.2 -> 262	41854	13.01	Citalopram-D6	331.2 -> 109	-	509940
Clonazepam	316.1 -> 269	-	6.281	34269	4995.99	316.	316.1 -> 213	2562	7 289.90	Clonazepam-D4	320.1 -> 217	-	34044
Codeine	300.2 -> 215	-	5.447	21613	180.30	_ 300.	300.2 -> 165	19161	140.39	Codeine-D6		-	ľ
Cyclobenzaprine	276.2 -> 214		6.329	124808	46.56	7 276.2	^	24841	16346.53	Cyclobenzaprine-D3	279.2 -> 215	-	
Dextromethorphan	272.2 -> 171	12/11/2018 12:15 PM	6.085	170840	19339.5	7272.2	1	1378	261.46	Dextromethorphan-D3	275.2 -> 171	-	L
Dextrorphan	258.2 -> 157	12/11/2018 12:15 PM	5.496	54931	323.29	7 258.2	.2 -> 133	73516	95.65	Dextrorphan-D3	261.2 -> 157	5.496	
Diazepam	285.1 -> 193	12/11/2018 12:15 PM	6.674	104730	31957.6	7 285.	285.1 -> 153	1597	1980.96	Diazepam-D5	290.1 -> 198	6.652	
Dihydrocodeine	302.2 -> 198	12/11/2018 12:15 PM	5.140	65834	36.16	302.	302.2 -> 128	46046	43.97	Dihydrocodeine-D6	308.2 -> 202	5.097	L
Diphenhydramine	256.2 -> 167	12/11/2018 12:15 PM	6.047	166491	384.94	7 256.	256.2 -> 152	1457	544.66	Diphenhydramine-D3	259.2 -> 167	6.027	14624
Doxylamine	271.2 -> 182		5.678	114043	330.19	7 271.	271.2 -> 167	2945	31886.99 □	Doxylamine-D5	276.2 -> 187	5.677	297588
EDDP	279.2 -> 235		5.982	299506	1193,91 [_ 279.	279.2 -> 250	2491	138.47	EDDP-D3	282.2 -> 235	6.002	35881
Fentanyl	337.2 -> 105	-	6.298	33011	6018.50	337.	337.2 -> 188	13057	1527.67	Fentanyl-D5	342.3 -> 105	6.277	26287
Fluoxetine	310.1 -> 44.3	_	6.242	849212	218.64	_ 310.	310.1 -> 148	11519	29.40 □	Fluoxetine-D6	316.2 -> 44.3	6.240	29379
Hydrocodone	300.2 -> 198	-	5.592	72663	Infinity	300	300.2 -> 128	51179	293.65	Hydrocodone-D6	306.2 -> 202	5.549	515185
Hydromorphone	286.2 -> 184	-1	5.083	47949	Infinity	7 286.2	.2 -> 157	73547	Infinity	Hydromorphone-D6	292.2 -> 185	5.021	228176
Ketamine	238.1 -> 125	 i∙	6.028	319734	63.31	238.	238.1 -> 220	29917	3.60	Ketamine-D4	242.1 -> 129	6.007	12782
Metoprolol	268.2 -> 116	_	5.494	48563	290.76	268.		49506	108.28	Carisoprodol-D7	268.2 -> 183	6.045	88201
Mirtazapine			6.291	334784	64.87	_ 266.	266.2 -> 72.3	2507	☐ Infinity ☐	Carisoprodol-D7	268.2 -> 183	6.045	88201
Meprobamate	219.1 -> 158.	-	5.561	22502	32.61	219	1 -> 97.1	9537	93.75	Weprobamate-D7	226.2 -> 165	5.540	1265
Methadone	310.2 -> 265		6.282	339792	70.56	310.2	^	3082	☐ Infinity ☐	Methadone-D9	319.3 -> 268	6.281	12311
Methamphetamine	150.1 -> 91.1	-1	5.073	205839	Infinity F	120.1	.1 -> 119	60724	135.73	Methamphetamine-D11	161.2 -> 97.1	5.032	839627
Morphine	286.2 -> 201	-	4.921	14017	Infinity	286.	286.2 -> 165	10524	4649.33	Morphine-D6	292.2 -> 152	4.839	34763
Norbuprenorphine	414.3 -> 101	-	5.929	13950	19.71	414,	414.3 -> 57.3	18342	29.25	Norbuprenorphine-D3	417.3 -> 101	5.909	39611
Nordiazepam	271.1 -> 140		6.513	50474	126.91	271.	271.1 -> 208	12854	26.69	Nordiazepam-D5	276.1 -> 140	6.492	129102
Norfentanyl	233.2 -> 84.2	_	5.355	262383	57071.1	233.	233.2 -> 55.3	1086	358.75	Norfentanyl-D5	238.2 -> 84.2	5.355	11582
Norhydrocodone	286.2 -> 199	-	5.103	20952	1980.40	286.	286.2 -> 171	9889	817.54	Norhydrocodone-D3	289.2 -> 202	5.103	154722
Noroxycodone	302.1 -> 284	12/11/2018 12:15 PM	4.999	76029	91.14	302.1	.1 -> 186	19494	13.12	Noroxycodone-D3		4.997	407296
O-desmethyl-trama	250.2 -> 58.3	_	2.008	439320	156.31	250.	250.2 -> 42.3	12969	26.32	O-desmethyl-tramadol	. 256.2 -> 64.3	4.988	11326
Oxazepam	287.1 -> 240		6.347	15019	98.09	287.	287.1 -> 268	9722	☐ Infinity ☐	Oxazepam-D5	292.1 -> 246	6.326	84968
Oxycodone	316.2 -> 298	-	5.382	219257	28.64	316.	316.2 -> 241	48521	3817.32	Oxycodone-D6	322.2 -> 304	5.321	442182
Oxymorphone	302.1 -> 284	\rightarrow	4.816	205699	51640.6	302.	302.1 -> 227	29323	88.37	Oxymorphone-D3	305.2 -> 287	4.754	10201
Phentermine	150.1 -> 65.2	12/11/2018 12:15 PM	5,195	55942	12.15	150.1	.1 -> 133	6421	19.10	Phentermine-D5	155.2 -> 96.2	5.174	870945
Promethazine	285.1 -> 86.2	12/11/2018 12:15 PM	6.389	471123	Infinity	285.	285.1 -> 71.3	1232	12297.82	Promethazine-D3	288.2 -> 89.2	6.368	16454
Quetiapine	384.2 -> 253		6.561	583075	Infinity	384.2	.2 -> 221	3073	1042.76	Quetiapine-D8	392.2 -> 226	6.519	741145
Sertraline	306.1 -> 158	-	6.508		Infinity	306.1	.1 -> 275	1029	414846	Sertraline-D3	309.1 -> 275	6.507	781555
Temazepam	301.1 -> 255	-	6.468	196236	20.25	301.1	.1 -> 283	53919	☐ Infinity	Temazepam-D5	306.1 -> 260	6.467	11712
Tramadol	264.2 -> 58.3	12/11/2018 12:15 PM	5.516	492672	227.87	_ 26 4 .	264.2 -> 43.3	9939	30.73	Tramadol-13C-D3	268.2 -> 58.3	5.515	27271



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Compound Method	lethod	p1 cal 1a		p1 cal 1a Results	Results	J	Qualifier 1 M		Qualifier 1 Results		ISTD Method	pot	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	F.	Resp.	S/N	Ξ	S/N MI Transition	Area	S/N M	₹	Name	Transition	R	RT Resp.
Trazodone	372.2 -> 176	372.2 -> 176 12/11/2018 12:15 PM 6.784 799061	6.784	799061	159.54	3	172.2 -> 148	9312	Infinity	L	Trazodone-D6	378.2 -> 182	6.744	
Venlafaxine	278.2 -> 58.3	12/11/2018 12:15 PM	5.820	610391	171.64	7	:78.2 -> 260	11811	858.49	L	Venlafaxine-D6	284.2 -> 64.3	5.799	
Zolpidem	308.2 -> 235	12/11/2018 12:15 PM	6.324	630842	353.79	3	353.79 7 308.2 -> 263	1570	611.83	L	611.83	314.2 -> 235	6.322	37594
Mitragynine	399.2 -> 174	399.2 -> 174 12/11/2018 12:15 PM 6.296 170914	6.296	170914	888.98	(C)	199.2 -> 238	21929	13.35	1	Quetiapine-D8	392.2 -> 226	6.519	

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Meprobamate not evaluated due to low internal standard responses.

Compound Method	thod	p2 negative	p2 negativ	p2 negative Results	Qualifier 1 M	. Qualifier 1 R	ISTD Method	D	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT Resp.	N/S	MI Transition	Area S/N MI	Name	Transition	R	Resp.
7-aminoflunitrazepam	284.1 -> 135	284.1 -> 135 12/11/2018 12:44 P			□ 284.1 -> 93.2		7-aminoflunitrazepam-D7	291.2 -> 138	5.643	847809
alpha-hydroxymidazol	-	342.1 -> 324 12/11/2018 12:44 P				_	alpha-hydroxymidazolam	346.1 -> 328	6.386	667172
Amitriptyline	278.2 -> 91.2	12/11/2018 12:44 P			T 278.2 -> 105		Amitriptyline-D3	281.2 -> 91.2	6.395	1187903
Acetyl Fentanyl	323.2 -> 105	12/11/2018 12:44 P					Acetyl Fentanyl-D5	328.2 -> 105	-	2660744
Acetyl Norfentanyl	219.1 -> 84.2	12/11/2018 12:44 P			T 219.1 -> 56.3		Acetyl Norfentanyl-D5	224.2 -> 84.2	4.897	810422
Carbamazepine	237.1 -> 193	237.1 -> 193 12/11/2018 12:44 P			[237.1 -> 194	L	Carbamazepine-13C6	243.1 -> 200	6.057	1935366
Chlordiazepoxide	300.1 -> 227	300.1 -> 227 12/11/2018 12:44 P			300.1 -> 282	L	Chlordiazepoxide-D5	305.1 -> 286	6.534	1186618
Sufentanil	387.2 -> 238	387.2 -> 238 12/11/2018 12:44 P			□ 387.2 -> 111	_	Sufentanil-D5	392.2 -> 238	-	3188291
Desipramine	267.2 -> 72.3	267.2 -> 72.3 12/11/2018 12:44 P					Desipramine-D3	270.2 -> 75.3	6.317	3403038
Doxepin	280.2 -> 107	12/11/2018 12:44 P					Doxepin-D3	283.2 -> 107	6.192	547573
Estazolam	295.1 -> 267		0 8				Estazolam-D5	300.1 -> 272	6.331	1108090
Flunitrazepam	314.1 -> 268	12/11/2018 12:44 P			T 314.1 -> 239	L	Flunitrazepam-D7	321.1 -> 245	_	72760
Flurazepam	388.2 -> 315	12/11/2018 12:44 P					Zopiclone-D4	393.1 -> 244	6.302	301403
Imipramine	281.2 -> 86.2	12/11/2018 12:44 P					Imipramine-D3	284.2 -> 61.3	6.353	2376147
Levamisole	205.1 -> 91.2	12/11/2018 12:44 P				_	MDMA-D6	200.2 -> 166	5.186	69011
Maprotiline	278.2 -> 91.2	12/11/2018 12:44 P			[278.2 -> 117	L	Meperidine-D4	252.2 -> 224	5.790	591350
MDA	180.1 -> 163	12/11/2018 12:44 P			180.1 -> 105		MDA-D5	185.1 -> 168	5.066	498571
MDEA	208.1 -> 163	12/11/2018 12:44 P					MDEA-D6	214.2 -> 166	5.328	707213
MDMA	194.1 -> 163	194.1 -> 163 12/11/2018 12:44 P			□ 194.1 -> 105		MDMA-D6	200.2 -> 166	5.186	69011
Meperidine	248.2 -> 220	248.2 -> 220 12/11/2018 12:44 P			T 248.2 -> 174	L	Meperidine-D4	252.2 -> 224	5.790	591350
Methylphenidate	234.2 -> 84.2	234.2 -> 84.2 12/11/2018 12:44 P			□ 234.2 -> 56.3	L	Meperidine-D4	252,2 -> 224	5.790	591350
Midazolam	326.1 -> 223	326.1 -> 223 12/11/2018 12:44 P					Midazolam-D4	330.1 -> 295	6.550	1133853
Normeperidine	234.1 -> 42.3	234.1 -> 42.3 12/11/2018 12:44 P			[234.1 -> 160		Normeperidine-D4	238.2 -> 164	5.630	712311
Nortriptyline	264.2 -> 91.2	12/11/2018 12:44 P			□ 264.2 -> 233		Nortriptyline-D3	267.2 -> 233	6.337	691386
Phenazepam	349.0 -> 206	12/11/2018 12:44 P			☐ 349.0 -> 183		Phenazepam-D4	353.0 -> 183	_	283480
Phencyclidine	244.2 -> 86.2	12/11/2018 12:44 P			7 244.2 -> 91.1		Phencydlidine-D5	249.2 -> 86.2	5.892	1013822
Phenytoin	253.1 -> 104	253.1 -> 104 12/11/2018 12:44 P	5.790 6953	3 13	[253.1 -> 182		Phenytoin-D10	263.2 -> 192	5.952	24423
Pseudoephedrine	166.1 -> 148	166.1 -> 148 12/11/2018 12:44 P			[166.1 -> 133 <u></u>		Pseudoephedrine-D3	169.1 -> 151	4.664	180997
Tapentadol	222.2 -> 107	222.2 -> 107 12/11/2018 12:44 P			7 222.2 -> 121	L	Tapentadol-D3	225.2 -> 107	5.489	841763
Zaleplon	306.1 -> 236	12/11/2018 12:44 P			7 306.1 -> 264		Zaleplon-D4	310.2 -> 240	6.168	533064
Zopiclone	389.1 -> 244	389.1 -> 244 12/11/2018 12:44 P			7 389.1 -> 216		Zopiclone-D4	393.1 -> 244	6.302	301403



Compound Method	thod	p2 external control	p2 exterr		al control Results	Qualifier 1 M		Qualifier 1 Results	ISTD Method	pou	IST	ISTD Results
Name	Transition	Acq. Date-Time	R	Resp.	N/S	MI Transition	Area	S/N MI	1 Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	12/11/2018 1:04 PM				284.1 -> 93.2			7-aminoflunitrazepam-D7	7 291.2 -> 138	5.643	809237
alpha-hydroxymidazol	342.1 -> 324	12/11/2018 1:04 PM				342.1 -> 203		_	alpha-hydroxymidazola		-	642305
Amitriptyline	278.2 -> 91.2	12/11/2018 1:04 PM				278.2 -> 105			Amitriptyline-D3	\vdash	-	1105459
Acetyl Fentanyl	323.2 -> 105	12/11/2018 1:04 PM				323.2 -> 188			Acetyl Fentanyl-D5	328.2 -> 105	-	2496409
Acetyl Norfentanyl	219.1 -> 84.2	12/11/2018 1:04 PM			=	7 219.1 -> 56.3		_	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.897	753345
Carbamazepine	237.1 -> 193	237.1 -> 193 12/11/2018 1:04 PM			_	_ 237.1 -> 194		_	Carbamazepine-13C6	243.1 -> 200	6.078	2149219
Chlordiazepoxide	300.1 -> 227	300.1 -> 227 12/11/2018 1:04 PM			_	300.1 -> 282		<u> </u>	Chlordiazepoxide-D5	305.1 -> 286	-	1077210
Sufentanil	387.2 -> 238	12/11/2018 1:04 PM			_	_ 387.2 -> 111		<u></u>	Sufentanil-D5	392.2 -> 238	-	2907053
Desipramine	267.2 -> 72.3	12/11/2018 1:04 PM				_ 267.2 -> 44.3		_	Desipramine-D3	270.2 -> 75.3	-	3298303
Doxepin	280.2 -> 107	12/11/2018 1:04 PM				280.2 -> 77.2			Doxepin-D3	283.2 -> 107	6.192	552910
Estazolam	295.1 -> 267	12/11/2018 1:04 PM				_ 295.1 -> 205			Estazolam-D5	300.1 -> 272	6.331	1035360
Flunitrazepam	314.1 -> 268	314.1 -> 268 12/11/2018 1:04 PM				7 314.1 -> 239		1_	Flunitrazepam-D7	321.1 -> 245	6.390	74366
Flurazepam	388.2 -> 315	12/11/2018 1:04 PM				712 -> 317			Zopiclone-D4	393.1 -> 244	6.323	217939
Imipramine	281.2 -> 86.2	12/11/2018 1:04 PM				7 281.2 -> 58.3			Impramine-D3	284.2 -> 61.3	6.353	2202963
Levamisole	205.1 -> 91.2	12/11/2018 1:04 PM			=	_ 205.1 -> 178		L	MDMA-D6	200.2 -> 166	5.186	68899
Maprotiline	278.2 -> 91.2	12/11/2018 1:04 PM			_	_ 278.2 -> 117		_	Meperidine-D4	252.2 -> 224	5.790	530187
MDA	180.1 -> 163	12/11/2018 1:04 PM			_	180.1 -> 105		_	MDA-D5	185.1 -> 168	5.086	487354
MDEA	208.1 -> 163	208.1 -> 163 12/11/2018 1:04 PM			_	_ 208.1 -> 105		_	MDEA-D6	214.2 -> 166	5.328	682851
MDMA	194.1 -> 163	194.1 -> 163 12/11/2018 1:04 PM				_ 194.1 -> 105		_	MDMA-D6	200.2 -> 166	5.186	68899
Meperidine	248.2 -> 220	12/11/2018 1:04 PM	5.811	1133330	281	_ 248.2 -> 174	7800	1830	Meperidine-D4	252.2 -> 224	5.790	530187
Methylphenidate	234.2 -> 84.2	12/11/2018 1:04 PM				_ 234.2 -> 56.3			Meperidine-D4	252.2 -> 224	5.790	530187
Midazolam	326.1 -> 223	12/11/2018 1:04 PM			_	7 326.1 -> 249		_	Midazolam-D4	330.1 -> 295	6.570	994846
Normeperidine	234.1 -> 42.3	12/11/2018 1:04 PM	5.611	38585	22.57	_ 234.1 -> 160			Normeperidine-D4	238.2 -> 164	5.630	669510
Nortriptyline	264.2 -> 91.2	12/11/2018 1:04 PM			_	_ 264.2 -> 233			Nortriptyline-D3	267,2 -> 233	6.357	652328
Phenazepam	349.0 -> 206	349.0 -> 206 12/11/2018 1:04 PM				349.0 -> 183			Phenazepam-D4	353.0 -> 183	6.446	273062
Phencyclidine	244.2 -> 86.2	244.2 -> 86.2 12/11/2018 1:04 PM				7 244.2 -> 91.1			Phencydlidine-D5	249.2 -> 86.2	5.892	1017499
Phenytoin	253.1 -> 104	12/11/2018 1:04 PM	5.810	3288	100	_ 253.1 -> 182			Phenytoin-D10	263.2 -> 192	5.952	24154
Pseudoephedrine	166.1 -> 148	12/11/2018 1:04 PM				_ 166.1 -> 133			Pseudoephedrine-D3	169.1 -> 151	4.664	195946
Tapentadol	222.2 -> 107	222.2 -> 107 12/11/2018 1:04 PM			_	_ 222.2 -> 121			Tapentadol-D3	225.2 -> 107	5.489	751512
Zaleplon	306.1 -> 236	306.1 -> 236 12/11/2018 1:04 PM			_	_ 306.1 -> 264		1_	Zaleplon-D4	310.2 -> 240	6.168	529431
Zopiclone	389.1 -> 244	389.1 -> 244 12/11/2018 1:04 PM			_	_ 389.1 -> 216			Zopiclone-D4	393.1 -> 244	6.323	217939



Compound Method	pou	p2 cal 1b	Δ.	p2 cal 1b Results	esults	Qualifier 1 M		Qualifier 1 Results	ISTD Method	pot	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	I Transition	Area	S/N MI	Name	Transition	R	Resp.
7-aminoflunitrazepam	284.1 -> 135	284.1 -> 135 12/11/2018 12:25 P	5.663	142287	492.13	284.1 -> 93.2	18174	4014.75	7-aminoflunitrazepa	291.2 -> 138	5.643	861416
alpha-hydroxymidazola	. 342.1 -> 324	12/11/2018 12:25 P	6.407	58582	2759	342.1 -> 203	48158	218.73	alpha-hydroxymidaz	346.1 -> 328	6.386	648097
Amitriptyline	278.2 -> 91.2	12/11/2018 12:25 P	968.9	439905	26.06	278.2 -> 105	1497	Infinity	Amitriptyline-D3	281.2 -> 91.2	6.395	1118601
Acetyl Fentanyl	323.2 -> 105	12/11/2018 12:25 P	6.166	40935	88.92	323.2 -> 188	18261	131.86 □	Acetyl Fentanyl-D5	328.2 -> 105	6.145	2537152
Acetyl Norfentanyl	219.1 -> 84.2	12/11/2018 12:25 P	4.919	12538	20.58	219.1 -> 56.3	6674	28.14 □	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.897	798749
Carbamazepine	237.1 -> 193	237.1 -> 193 12/11/2018 12:25 P	6.079	56737	170.85	237.1 -> 194	3385	167.80	Carbamazepine-13C6	243.1 -> 200	6.078	2202973
Chlordiazepoxide	300.1 -> 227	300.1 -> 227 12/11/2018 12:25 P	6.555	47198	Infinity	300.1 -> 282	81339	16.61 ☐	Chlordiazepoxide-D5	305.1 -> 286	6.534	1127425
Sufentanil	387.2 -> 238	387.2 -> 238 12/11/2018 12:25 P	6.587	41158	180.19	387.2 -> 111	35862	65.35	Sufentanil-D5	392.2 -> 238	6.585	3000201
Desipramine	267.2 -> 72.3	12/11/2018 12:25 P	6.317	573274	1098	267.2 -> 44.3	2588	109.17 □	Desipramine-D3	270.2 -> 75.3	6.317	3195465
Doxepin	280.2 -> 107	12/11/2018 12:25 P	6.193	137510	1676	280.2 -> 77.2	87437	31.86	Doxepin-D3	283.2 -> 107	6.171	587544
Estazolam	295.1 -> 267	295.1 -> 267 12/11/2018 12:25 P	6.333	150074	5383	295.1 -> 205	81075	421.23	Estazolam-D5	300.1 -> 272	6.331	1039472
Flunitrazepam	314.1 -> 268	314.1 -> 268 12/11/2018 12:25 P	6.390	159249	277.83	314.1 -> 239	51291	12943	Flunitrazepam-D7	321.1 -> 245	6.370	69114
Flurazepam	388.2 -> 315	388.2 -> 315 12/11/2018 12:25 P	6.303	434787	9792	388.2 -> 317	57018	11928	Zopiclone-D4	393.1 -> 244	6.322	230785
Imipramine	281.2 -> 86.2	12/11/2018 12:25 P	6.354	599859	Infinity	281.2 -> 58.3	4196	92.19	Imipramine-D3	284.2 -> 61.3	6.353	2277172
Levamisole	205.1 -> 91.2	12/11/2018 12:25 P	5.531	102228	24.45	205.1 -> 178	96606	_] 60.69	MDMA-D6	200,2 -> 166	5.186	73003
Maprotiline	278.2 -> 91.2	12/11/2018 12:25 P	5.990	335054	Infinity	278.2 -> 117	4237	7.71	Meperidine-D4	252.2 -> 224	5.790	573369
MDA	180.1 -> 163	12/11/2018 12:25 P	2.087	150122	193.36	180.1 -> 105	63227	23.88	MDA-D5	185.1 -> 168	5.086	486951
MDEA	208.1 -> 163	208.1 -> 163 12/11/2018 12:25 P	5.348	201683	4159	208.1 -> 105	1142	48.03	MDEA-D6	214.2 -> 166	5.328	718435
MDMA	194.1 -> 163	194.1 -> 163 12/11/2018 12:25 P	5.207	278002	274.22	194.1 -> 105	1255	39.64	MDMA-D6	200.2 -> 166	5.186	73003
Meperidine	248.2 -> 220	248.2 -> 220 12/11/2018 12:25 P	5.811	132203	3762	248.2 -> 174	86874	221.63	Meperidine-D4	252.2 -> 224	5.790	573369
Methylphenidate	234.2 -> 84.2	12/11/2018 12:25 P	5.671	482363	Infinity	234.2 -> 56.3	93383	Infinity	Meperidine-D4	252.2 -> 224	5.790	573369
Midazolam	326.1 -> 223	12/11/2018 12:25 P	6.571	72471	1841	326.1 -> 249	89652	211.06	Midazolam-D4	330.1 -> 295	6.570	1094877
Normeperidine	234.1 -> 42.3	12/11/2018 12:25 P	5.631	123511	158.50	234.1 -> 160	47578	58.73	Normeperidine-D4	238.2 -> 164	5.630	713022
Nortriptyline	264.2 -> 91.2	12/11/2018 12:25 P	6.338	160868	28.72	264.2 -> 233	82233	Infinity	Nortriptyline-D3	267.2 -> 233	6.337	646904
Phenazepam	349.0 -> 206	349.0 -> 206 12/11/2018 12:25 P	6.446	49457	246.06	349.0 -> 183	40279	254.15	Phenazepam-D4	353.0 -> 183	6.446	248269
Phencyclidine	244.2 -> 86.2	244.2 -> 86.2 12/11/2018 12:25 P	5.914	138830	47.88	244.2 -> 91.1	1905	76.87	Phencydlidine-D5	249.2 -> 86.2	5.892	1073272
Phenytoin	253.1 -> 104	253.1 -> 104 12/11/2018 12:25 P	5.973	6216	35.08 □	253.1 -> 182	839	419.52	Phenytoin-D10	263.2 -> 192	5.973	22545
Pseudoephedrine	166.1 -> 148	12/11/2018 12:25 P	4.685	44094	192.28	166.1 -> 133	9263	85.95	Pseudoephedrine-D3	169.1 -> 151	4.664	178773
Tapentadol	222.2 -> 107	12/11/2018 12:25 P	5.509	229724	342.29	222.2 -> 121	88849	139.93	Tapentadol-D3	225.2 -> 107	5.489	819887
Zaleplon	306.1 -> 236	306.1 -> 236 12/11/2018 12:25 P	6.168	147014	595.78	306.1 -> 264	1434	302.90	Zaleplon-D4	310.2 -> 240	6.168	542122
Zonictone	389 1 -> 244	389 1 -> 244 12/11/2018 12:25 D	6 323	58054	526 45 T	380 1 -> 216	21707	767 30	Zoniclone DA	7702 4 5 044	0000	22079E

