


*AM 7 central data available upon request. - TS

10/24/2018

TS

Worklist: 2745

REVIEWED
By Anne Nord at 12:35 pm, Nov 02, 2018

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-4837	1	127488	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4861	1	127615	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4862	1	127619	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4922	1	127933	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4938	1	127987	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4939	1	127991	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-4940	1	127995	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5008	1	128264	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5060	1	128555	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2758	2	127561	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2839	1	128175	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2840	1	128200	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2841	1	128203	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2861	1	128327	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2925	1	128771	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2926	1	128774	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2931	1	128899	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2950	1	128939	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2951	1	128942	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2954	1	128969	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2955	1	128972	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-2957	1	129000	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3004	1	129432	AM 25 Blood Multi-Drug Screen by LC-QQQ	

TS

Worklist: 2745

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2018-3005	1	129435	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-3006	1	129438	AM 25 Blood Multi-Drug Screen by LC-QQQ



TS

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

Extraction Date: 10/22/2018
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: 361331-1
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: _____

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: *MDS P1 102218 TS*
MDS P2 102218 TS
Worklist path: C:\MassHunter\Data\2018\102218 wkst 2744 TS
- Data path correct. Worklist number incorrect. Actual worklist number 2745.
- TS
- 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: Use of expired plate approved in a deviation attached to the central data.
Phentermine not evaluated.

15

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request
10/22/18

Analytical Method
AM 25 multidrug screen

Deviation

The expiration date listed for the current batch of Cayman ToxBox extraction plates (Batch # 0515207) is October 18, 2018. I am issuing a deviation to allow for the use of the remaining plates. The controls will be used to evaluate if the plate is working as intended.

The deviation will remain in effect until December 18, 2018. The allowance of expired plates will be addressed in the next method revision.

Celena Shrum

Date: 10/22/2018
Celena Shrum
Toxicology Program Discipline Leader



Idaho State Police Forensic Services

TS

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

Analyst: Tamara Salazar
 Extraction Date: 10/22/18
 Worklist Number: 2745

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-1		05/25/18		
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	08/28/18 TS	
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)	092618		09/26/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	091918		09/19/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	100918		10/09/18		

Methanol External Control Solution (Lot: 042618)

100 ul of 1mg/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.

<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: 082818)

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

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 092618)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	182702
Prepared:	09/26/18	
Prepared By:	Sarah Pickle	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 091918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	09/19/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot100918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	10/09/18	
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.		
6-MAM	328.2 -> 165...	10/22/2018 4:05 PM	5.361	1409	342.48	328.2 -> 211...	585	556.14	6-MAM-D6	334.2 -> 165...	5.279	120279				
7-Aminoclonazepam	286.1 -> 121...	10/22/2018 4:05 PM	5.409	81753	176.55	286.1 -> 222...	12623	25.37	7-Aminoclonazepam-D4	290.1 -> 121...	5.387	294001				
Benzoylcegonine	290.1 -> 168...	10/22/2018 4:05 PM	5.203	15621	1782.37	290.1 -> 105...	12669	72.27	Benzoylcegonine-D8	298.2 -> 171...	5.202	3733				
a-hydroxyalprazolam	325.1 -> 297...	10/22/2018 4:05 PM	6.300	18476	2847.43	325.1 -> 215...	4728	971.69	a-hydroxyalprazolam-D5	330.1 -> 302...	6.278	97432				
alpha-PVP	232.2 -> 91.0	10/22/2018 4:05 PM	5.805	119468	314.73	232.2 -> 77.1	61459	36890.00	alpha-PVP-d8	240.2 -> 91.1	5.722	861023				
Alprazolam	309.1 -> 281...	10/22/2018 4:05 PM	6.406	197908	22499.74	309.1 -> 205...	60998	144.09	Alprazolam-D5	314.1 -> 286...	6.384	760634				
Amphetamine	136.1 -> 91.1	10/22/2018 4:05 PM	4.831	403743	23.27	136.1 -> 119...	1022...	15.48	Amphetamine-D11	147.2 -> 130...	4.750	74733				
Cocaine	304.2 -> 182...	10/22/2018 4:05 PM	5.713	277179	141.90	304.2 -> 105...	29914	118.92	Cocaine-D3	307.2 -> 185...	5.692	498716				
Bupropion	240.1 -> 184...	10/22/2018 4:05 PM	6.008	105002	144.76	240.1 -> 131...	1594...	34.53	Bupropion-D9	249.2 -> 185...	5.966	153682				
Carisoprodol	261.2 -> 176...	10/22/2018 4:05 PM	6.087	4301	9.97	261.2 -> 55.3	59738	20.64	Carisoprodol-D7	268.2 -> 183...	6.025	73172				
Citalopram	325.2 -> 109...	10/22/2018 4:05 PM	6.035	254490	189.47	325.2 -> 262...	47062	168.01	Citalopram-D6	331.2 -> 109...	6.014	368121				
Clonazepam	316.1 -> 269...	10/22/2018 4:05 PM	6.261	33938	77.20	316.1 -> 213...	4040	39.16	Clonazepam-D4	320.1 -> 217...	6.240	22519				
Codeine	300.2 -> 215...	10/22/2018 4:05 PM	5.303	24143	66.51	300.2 -> 165...	19433	34.78	Codeine-D6	306.2 -> 218...	5.240	100856				
Cyclobenzaprine	276.2 -> 214...	10/22/2018 4:05 PM	6.329	90810	34.45	276.2 -> 231...	9606	15.10	Cyclobenzaprine-D3	279.2 -> 215...	6.308	584820				
Dextromethorphan	272.2 -> 171...	10/22/2018 4:05 PM	6.044	132057	Infinity	272.2 -> 147...	1037...	9675.03	Dextromethorphan-D3	275.2 -> 171...	6.044	436556				
Dextrophan	258.2 -> 157...	10/22/2018 4:05 PM	5.373	53931	102.38	258.2 -> 133...	62515	230.84	Dextrophan-D3	261.2 -> 157...	5.393	329371				
Diazepam	285.1 -> 193...	10/22/2018 4:05 PM	6.633	68275	84.09	285.1 -> 153...	1033...	70.99	Diazepam-D5	290.1 -> 198...	6.632	311940				
Dihydrocodeine	302.2 -> 198...	10/22/2018 4:05 PM	5.018	54032	18.40	302.2 -> 128...	30636	21.75	Dihydrocodeine-D6	308.2 -> 202...	4.976	290927				
Diphenhydramine	256.2 -> 167...	10/22/2018 4:05 PM	5.986	123354	174.66	256.2 -> 152...	1037...	353.62	Diphenhydramine-D3	259.2 -> 167...	5.986	12401...				
Doxylamine	271.2 -> 182...	10/22/2018 4:05 PM	5.637	104683	7537.20	271.2 -> 167...	2544...	1744.33	Doxylamine-D5	276.2 -> 187...	5.616	230985				
EDDP	279.2 -> 235...	10/22/2018 4:05 PM	5.941	464297	5090.93	279.2 -> 250...	1990...	27440.00	EDDP-D3	282.2 -> 235...	5.961	203384				
Fentanyl	337.2 -> 105...	10/22/2018 4:05 PM	6.318	22463	2191.39	337.2 -> 188...	11139	1379.59	Fentanyl-D5	342.3 -> 105...	6.318	16617...				
Fluoxetine	310.1 -> 44.3	10/22/2018 4:05 PM	6.221	514797	148.21	310.1 -> 148...	6932	1496.33	Fluoxetine-D6	316.2 -> 44.3	6.220	19726...				
Hydrocodone	300.2 -> 198...	10/22/2018 4:05 PM	5.488	67261	14.90	300.2 -> 128...	36216	Infinity	Hydrocodone-D6	306.2 -> 202...	5.425	393739				
Hydromorphone	286.2 -> 184...	10/22/2018 4:05 PM	4.921	49094	57.14	286.2 -> 157...	55886	6.26	Hydromorphone-D6	292.2 -> 185...	4.859	191515				
Ketamine	238.1 -> 125...	10/22/2018 4:05 PM	6.008	299692	1119.51	238.1 -> 220...	30563	4.42	Ketamine-D4	242.1 -> 129...	5.987	12331...				
Metoprolol	268.2 -> 116...	10/22/2018 4:05 PM	5.412	41379	117.57	268.2 -> 56.3	52929	137.89	Carisoprodol-D7	268.2 -> 183...	6.025	73172				
Mirtazapine	266.2 -> 195...	10/22/2018 4:05 PM	6.311	322526	682.83	266.2 -> 72.3	2270...	288.75	Carisoprodol-D7	268.2 -> 183...	6.025	73172				
Mepramate	219.1 -> 158...	10/22/2018 4:05 PM	5.500	19844	56.68	219.1 -> 97.1	8993	2073.52	Mepramate-D7	226.2 -> 165...	5.499	3197				
Methamphetamine	310.2 -> 265...	10/22/2018 4:05 PM	6.262	285617	174.52	310.2 -> 105...	1816...	Infinity	Methadone-D9	319.3 -> 268...	6.261	980292				
Morphine	150.1 -> 91.1	10/22/2018 4:05 PM	4.951	130305	Infinity	150.1 -> 119...	35601	293.71	Methamphetamine-D11	161.2 -> 97.1	4.931	471681				
Norbuprenorphine	286.2 -> 201...	10/22/2018 4:05 PM	4.740	12293	Infinity	286.2 -> 165...	9690	13.15	Morphine-D6	292.2 -> 152...	4.677	23137				
Nordiazepam	414.3 -> 101...	10/22/2018 4:05 PM	5.868	7341	66.80	414.3 -> 57.3	9439	17.48	Norbuprenorphine-D3	417.3 -> 101...	5.868	17538				
Norfentanyl	271.1 -> 140...	10/22/2018 4:05 PM	6.493	33970	86.76	271.1 -> 208...	10236	19.27	Nordiazepam-D5	276.1 -> 140...	6.492	88988				
Norhydrocodone	233.2 -> 84.2	10/22/2018 4:05 PM	5.274	238701	220.33	233.2 -> 55.3	86480	72.51	Norfentanyl-D5	238.2 -> 84.2	5.253	10125...				
Noroxycodone	286.2 -> 199...	10/22/2018 4:05 PM	5.002	11801	27.62	286.2 -> 171...	7330	1174.49	Norhydrocodone-D3	289.2 -> 202...	4.961	120204				
O-desmethyltramadol	250.2 -> 58.3	10/22/2018 4:05 PM	4.907	378024	316.20	250.2 -> 42.3	10456	53.85	O-desmethyltramadol...	256.2 -> 64.3	4.866	10555...				
Oxazepam	287.1 -> 240...	10/22/2018 4:05 PM	6.307	9424	Infinity	287.1 -> 268...	11229	Infinity	Oxazepam-D5	292.1 -> 246...	6.306	74891				
Oxycodone	316.2 -> 298...	10/22/2018 4:05 PM	5.260	195086	18.24	316.2 -> 241...	40687	2889.39	Oxycodone-D6	322.2 -> 304...	5.198	392066				
Oxycodone	302.1 -> 284...	10/22/2018 4:05 PM	4.674	195535	738.20	302.1 -> 227...	25119	74.94	Oxycodone-D6	305.2 -> 287...	4.612	947908				
Pheniramine	150.1 -> 65.2	10/22/2018 4:05 PM	5.093	21558	13.31	150.1 -> 133...	7729	8.87	Oxycodone-D6	155.2 -> 96.2	5.073	609267				
Promethazine	285.1 -> 86.2	10/22/2018 4:05 PM	6.409	343895	44662.02	285.1 -> 71.3	78135	32.27	Promethazine-D5	288.2 -> 89.2	6.408	11626...				
Quetiapine	384.2 -> 253...	10/22/2018 4:05 PM	6.581	450446	66338.61	384.2 -> 221...	2273...	47568.00	Quetiapine-D3	392.2 -> 226...	6.539	544421				
Sertraline	306.1 -> 158...	10/22/2018 4:05 PM	6.487	183445	Infinity	306.1 -> 275...	74337	20.78	Sertraline-D8	309.1 -> 275...	6.507	604928				
Temazepam	301.1 -> 255...	10/22/2018 4:05 PM	6.468	125282	Infinity	301.1 -> 283...	40594	16.39	Temazepam-D5	306.1 -> 260...	6.447	814281				
Tramadol	264.2 -> 58.3	10/22/2018 4:05 PM	5.433	475692	80.20	264.2 -> 43.3	7725	15.20	Tramadol-13C-D3	268.2 -> 58.3	5.432	24493...				
Trazodone	372.2 -> 176...	10/22/2018 4:05 PM	6.784	537229	1106.67	372.2 -> 148...	6298...	Infinity	Trazodone-D6	378.2 -> 182...	6.763	16689...				

* Pheniramine not evaluated - IS

B

15

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	10/22/2018 4:05 PM	5.758	515893	1663.06		278.2 -> 260..	11387	34.29		Venlafaxine-D6	284.2 -> 64.3	5.737	677255			
Zolpidem	308.2 -> 235...	10/22/2018 4:05 PM	6.324	541892	88441.87		308.2 -> 263...	1544...	208.38		Zolpidem-D6	314.2 -> 235...	6.302	30223...			
Mitragynine	399.2 -> 174...	10/22/2018 4:05 PM	6.336	126896	15688.90		399.2 -> 238...	19458	24.13		Quetiapine-D8	392.2 -> 226...	6.539	544421			

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...	10/22/2018 4:44 PM					328.2 -> 211...				6-MAM-D6	334.2 -> 165...	5.259	123118
7-Aminoclonazepam	286.1 -> 121...	10/22/2018 4:44 PM					286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	5.387	188640
a-hydroxyalprazolam	325.1 -> 297...	10/22/2018 4:44 PM					325.1 -> 215...				a-hydroxyalprazolam-D5	330.1 -> 302...	6.299	119173
alpha-PVP	232.2 -> 91.0	10/22/2018 4:44 PM					232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	5.702	867887
Alprazolam	309.1 -> 281...	10/22/2018 4:44 PM					309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	6.384	813682
Amphetamine	136.1 -> 91.1	10/22/2018 4:44 PM					136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	4.750	72887
Benzylecgonine	290.1 -> 168...	10/22/2018 4:44 PM					290.1 -> 105...				Benzylecgonine-D8	298.2 -> 171...	5.202	4662
Bupropion	240.1 -> 184...	10/22/2018 4:44 PM					240.1 -> 131...				Bupropion-D9	249.2 -> 185...	5.946	157558
Carisoprodol	261.2 -> 176...	10/22/2018 4:44 PM	6.169	149	56.04		261.2 -> 55.3	2417	0.82		Carisoprodol-D7	268.2 -> 183...	6.004	65328
Citalopram	325.2 -> 109...	10/22/2018 4:44 PM					325.2 -> 262...				Citalopram-D6	331.2 -> 109...	6.014	390597
Clonazepam	316.1 -> 269...	10/22/2018 4:44 PM					316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	6.260	31316
Cocaine	304.2 -> 182...	10/22/2018 4:44 PM					304.2 -> 105...				Cocaine-D3	307.2 -> 185...	5.671	473806
Codeine	300.2 -> 215...	10/22/2018 4:44 PM					300.2 -> 165...				Codeine-D6	306.2 -> 218...	5.240	101367
Cyclobenzaprine	276.2 -> 214...	10/22/2018 4:44 PM					276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	6.308	696474
Dextromethorphan	272.2 -> 171...	10/22/2018 4:44 PM					272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	6.044	509894
Dextrophan	258.2 -> 157...	10/22/2018 4:44 PM					258.2 -> 133...				Dextrophan-D3	261.2 -> 157...	5.393	379786
Diazepam	285.1 -> 193...	10/22/2018 4:44 PM	6.633	842394	498.61		285.1 -> 153...	12169...	555.36		Diazepam-D5	290.1 -> 198...	6.632	286860
Dihydrocodeine	302.2 -> 198...	10/22/2018 4:44 PM					302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	4.956	270320
Diphenhydramine	256.2 -> 167...	10/22/2018 4:44 PM					256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	5.986	13536
Doxylamine	271.2 -> 182...	10/22/2018 4:44 PM					271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	5.616	253983
EDDP	279.2 -> 235...	10/22/2018 4:44 PM					279.2 -> 250...				EDDP-D3	282.2 -> 235...	5.941	277377
Fentanyl	337.2 -> 105...	10/22/2018 4:44 PM					337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	6.298	20458...
Fluoxetine	310.1 -> 44.3	10/22/2018 4:44 PM					310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	6.220	24441...
Hydrocodone	300.2 -> 198...	10/22/2018 4:44 PM					300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	5.425	397189
Hydromorphone	286.2 -> 184...	10/22/2018 4:44 PM					286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	4.839	207988
Ketamine	238.1 -> 125...	10/22/2018 4:44 PM					238.1 -> 220...				Ketamine-D4	242.1 -> 129...	5.987	11635...
Meperbamate	219.1 -> 158...	10/22/2018 4:44 PM					219.1 -> 97.1				Meperbamate-D7	226.2 -> 165...	5.479	3058
Methadone	310.2 -> 265...	10/22/2018 4:44 PM					310.2 -> 105...				Methadone-D9	319.3 -> 268...	6.240	10389...
Methamphetamine	150.1 -> 91.1	10/22/2018 4:44 PM					150.1 -> 119...				Methamphetamine-D11	161.2 -> 97.1	4.910	395956
Miltazapine	268.2 -> 116...	10/22/2018 4:44 PM	5.371	613711	94.31		268.2 -> 56.3	694586	2487...		Carisoprodol-D7	268.2 -> 183...	6.004	65328
Miltazapine	266.2 -> 195...	10/22/2018 4:44 PM					266.2 -> 72.3				Carisoprodol-D7	268.2 -> 183...	6.004	65328
Mitragynine	399.2 -> 174...	10/22/2018 4:44 PM					399.2 -> 238...				Quetiapine-D8	392.2 -> 226...	6.539	553151
Morphine	286.2 -> 201...	10/22/2018 4:44 PM					286.2 -> 165...				Morphine-D6	292.2 -> 152...	4.637	26180
Norbuprenorphine	414.3 -> 101...	10/22/2018 4:44 PM					414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101...	5.848	26322
Nordiazepam	271.1 -> 140...	10/22/2018 4:44 PM					271.1 -> 208...				Nordiazepam-D5	276.1 -> 140...	6.472	101802
Norfentanyl	233.2 -> 84.2	10/22/2018 4:44 PM					233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.232	10833...
Norhydrocodone	286.2 -> 199...	10/22/2018 4:44 PM					286.2 -> 171...				Norhydrocodone-D3	289.2 -> 202...	4.961	118816
Noroxycodone	302.1 -> 284...	10/22/2018 4:44 PM					302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	4.855	454215
O-desmethyl-tramadol	250.2 -> 58.3	10/22/2018 4:44 PM					250.2 -> 42.3				O-desmethyl-tramadol-...	256.2 -> 64.3	4.866	10801...
Oxazepam	287.1 -> 240...	10/22/2018 4:44 PM					287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	6.306	77329
Oxycodone	316.2 -> 298...	10/22/2018 4:44 PM	5.239	11956...	74.96		316.2 -> 241...	246658	Infinity		Oxycodone-D6	322.2 -> 304...	5.178	389425
Oxycodone	302.1 -> 284...	10/22/2018 4:44 PM					302.1 -> 227...				Oxycodone-D6	322.2 -> 304...	5.178	389425
Phentermine	150.1 -> 65.2	10/22/2018 4:44 PM					150.1 -> 133...				Oxymorphone-D3	305.2 -> 287...	4.592	946854
Promethazine	285.1 -> 86.2	10/22/2018 4:44 PM					285.1 -> 71.3				Phentermine-D5	155.2 -> 96.2	5.052	571938
Quetiapine	384.2 -> 253...	10/22/2018 4:44 PM					384.2 -> 221...				Promethazine-D3	288.2 -> 89.2	6.388	15181...
Serrraline	306.1 -> 158...	10/22/2018 4:44 PM					306.1 -> 275...				Quetiapine-D8	392.2 -> 226...	6.539	553151
Temazepam	301.1 -> 255...	10/22/2018 4:44 PM					301.1 -> 283...				Serrraline-D3	309.1 -> 275...	6.486	675363
Tramadol	264.2 -> 58.3	10/22/2018 4:44 PM					264.2 -> 43.3				Temazepam-D5	306.1 -> 260...	6.447	911262
											Tramadol-13C-D3	268.2 -> 58.3	5.412	27995...



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.				
Trazodone	372.2 -> 176...	10/22/2018 4:44 PM					372.2 -> 148...				Trazodone-D6	378.2 -> 182...	6.763	16772...				
Venlafaxine	278.2 -> 58.3	10/22/2018 4:44 PM					278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	5.737	712585				
Zolpidem	308.2 -> 235...	10/22/2018 4:44 PM					308.2 -> 263...				Zolpidem-D6	314.2 -> 235...	6.302	31555...				

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	Qualifier 1 R...	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	10/22/2018 4:24 PM					328.2 -> 211...				6-MAM-D6	334.2 -> 165...	5.259	142925	
7-aminoclonazepam	286.1 -> 121...	10/22/2018 4:24 PM					286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	5.387	218338	
a-hydroxylprazolam	325.1 -> 297...	10/22/2018 4:24 PM					325.1 -> 215...				a-hydroxylprazolam-D5	330.1 -> 302...	6.299	125707	
alpha-PVP	232.2 -> 91.0	10/22/2018 4:24 PM					232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	5.702	10161...	
Alprazolam	309.1 -> 281...	10/22/2018 4:24 PM					309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	6.384	842490	
Amphetamine	136.1 -> 91.1	10/22/2018 4:24 PM	4.831	150267	25.92		136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	4.750	71785	
Benzylegonine	290.1 -> 168...	10/22/2018 4:24 PM					290.1 -> 105...				Benzylegonine-D8	298.2 -> 171...	5.162	5074	
Bupropion	240.1 -> 184...	10/22/2018 4:24 PM					240.1 -> 131...				Bupropion-D9	249.2 -> 185...	5.966	181739	
Carisoprodol	261.2 -> 176...	10/22/2018 4:24 PM					261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	6.004	85955	
Citalopram	325.2 -> 109...	10/22/2018 4:24 PM					325.2 -> 262...				Citalopram-D6	331.2 -> 109...	6.014	467467	
Clonazepam	316.1 -> 269...	10/22/2018 4:24 PM					316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	6.240	33399	
Cocaine	304.2 -> 182...	10/22/2018 4:24 PM					304.2 -> 105...				Cocaine-D3	307.2 -> 185...	5.671	529603	
Codeine	300.2 -> 215...	10/22/2018 4:24 PM					300.2 -> 165...				Codeine-D6	306.2 -> 218...	5.260	118846	
Cyclobenzaprine	276.2 -> 214...	10/22/2018 4:24 PM					276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	6.308	756126	
Dextromethorphan	272.2 -> 171...	10/22/2018 4:24 PM					272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	6.044	566330	
Diazepam	258.2 -> 157...	10/22/2018 4:24 PM					258.2 -> 133...				Dextrophan-D3	261.2 -> 157...	5.393	419949	
Dihydrocodeine	302.1 -> 198...	10/22/2018 4:24 PM					302.1 -> 153...				Diazepam-D5	290.1 -> 198...	6.632	315719	
Diphenhydramine	256.2 -> 167...	10/22/2018 4:24 PM					256.2 -> 152...				Dihydrocodeine-D6	308.2 -> 202...	4.956	343936	
Doxylamine	271.2 -> 182...	10/22/2018 4:24 PM					271.2 -> 167...				Diphenhydramine-D3	259.2 -> 167...	5.986	15131...	
EDDP	279.2 -> 235...	10/22/2018 4:24 PM					279.2 -> 250...				Doxylamine-D5	276.2 -> 187...	5.596	274367	
Fentanyl	337.2 -> 105...	10/22/2018 4:24 PM					337.2 -> 188...				EDDP-D3	282.2 -> 235...	5.941	294616	
Fluoxetine	310.1 -> 44.3	10/22/2018 4:24 PM					310.1 -> 148...				Fentanyl-D5	342.3 -> 105...	6.298	22121...	
Hydrocodone	300.2 -> 198...	10/22/2018 4:24 PM					300.2 -> 128...				Fluoxetine-D6	316.2 -> 44.3	6.220	27855...	
Hydromorphone	286.2 -> 184...	10/22/2018 4:24 PM					286.2 -> 157...				Hydrocodone-D6	306.2 -> 202...	5.404	462655	
Ketamine	238.1 -> 125...	10/22/2018 4:24 PM					238.1 -> 220...				Hydromorphone-D6	292.2 -> 185...	4.839	234617	
Meperidine	219.1 -> 158...	10/22/2018 4:24 PM					219.1 -> 97.1				Ketamine-D4	242.1 -> 129...	5.987	11862...	
Methadone	310.2 -> 265...	10/22/2018 4:24 PM					310.2 -> 105...				Meperidine-D7	226.2 -> 165...	5.540	1811	
Methamphetamine	150.1 -> 91.1	10/22/2018 4:24 PM					150.1 -> 119...				Methadone-D9	319.3 -> 268...	6.240	12003...	
Metoprolol	268.2 -> 116...	10/22/2018 4:24 PM					268.2 -> 56.3				Methamphetamine-D11	161.2 -> 97.1	4.910	470746	
Mirtazapine	266.2 -> 195...	10/22/2018 4:24 PM					266.2 -> 72.3				Metoprolol-D7	268.2 -> 183...	6.004	85955	
Mitragynine	399.2 -> 174...	10/22/2018 4:24 PM					399.2 -> 238...				Carisoprodol-D7	268.2 -> 183...	6.004	85955	
Morphine	286.2 -> 201...	10/22/2018 4:24 PM					286.2 -> 165...				Quetiapine-D8	392.2 -> 226...	6.539	567973	
Norbuprenorphine	414.3 -> 101...	10/22/2018 4:24 PM					414.3 -> 57.3				Morphine-D6	292.2 -> 152...	4.637	29416	
Nordiazepam	271.1 -> 140...	10/22/2018 4:24 PM					271.1 -> 208...				Norbuprenorphine-D3	417.3 -> 101...	5.848	32361	
Norfentanyl	233.2 -> 84.2	10/22/2018 4:24 PM					233.2 -> 55.3				Nordiazepam-D5	276.1 -> 140...	6.472	114030	
Norhydrocodone	286.2 -> 199...	10/22/2018 4:24 PM					286.2 -> 171...				Norfentanyl-D5	238.2 -> 84.2	5.253	11844...	
Noroxycodone	302.1 -> 284...	10/22/2018 4:24 PM					302.1 -> 186...				Norhydrocodone-D3	289.2 -> 202...	4.961	140367	
O-desmethyl-tramadol	250.2 -> 58.3	10/22/2018 4:24 PM					250.2 -> 42.3				Noroxycodone-D3	305.2 -> 287...	4.855	466357	
Oxazepam	287.1 -> 240...	10/22/2018 4:24 PM					287.1 -> 268...				O-desmethyl-tramadol...	256.2 -> 64.3	4.866	11664...	
Oxycodone	316.2 -> 298...	10/22/2018 4:24 PM					316.2 -> 241...				Oxazepam-D5	292.1 -> 246...	6.306	94287	
Phentermine	150.1 -> 65.2	10/22/2018 4:24 PM					150.1 -> 133...				Oxycodone-D6	322.2 -> 304...	5.178	421082	
Promethazine	285.1 -> 86.2	10/22/2018 4:24 PM					285.1 -> 71.3				Phentermine-D3	305.2 -> 287...	4.592	10636...	
Quetiapine	384.2 -> 253...	10/22/2018 4:24 PM					384.2 -> 221...				Promethazine-D5	155.2 -> 96.2	5.073	616427	
Serrraline	306.1 -> 158...	10/22/2018 4:24 PM					306.1 -> 275...				Quetiapine-D3	288.2 -> 89.2	6.388	16180...	
Temazepam	301.1 -> 255...	10/22/2018 4:24 PM					301.1 -> 283...				Serrraline-D8	392.2 -> 226...	6.539	567973	
Tramadol	264.2 -> 58.3	10/22/2018 4:24 PM					264.2 -> 43.3				Serrraline-D3	309.1 -> 275...	6.486	809207	
											Temazepam-D5	306.1 -> 260...	6.447	10549...	
											Tramadol-13C-D3	268.2 -> 58.3	5.412	28607...	

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.			
Trazodone	372.2 -> 176...	10/22/2018 4:24 PM				<input type="checkbox"/>	372.2 -> 148...			<input type="checkbox"/>	Trazodone-D6	378.2 -> 182...	6.763	20046...			
Venlafaxine	278.2 -> 58.3	10/22/2018 4:24 PM				<input type="checkbox"/>	278.2 -> 260...			<input type="checkbox"/>	Venlafaxine-D6	284.2 -> 64.3	5.737	799820			
Zolpidem	308.2 -> 235...	10/22/2018 4:24 PM				<input type="checkbox"/>	308.2 -> 263...			<input type="checkbox"/>	Zolpidem-D6	314.2 -> 235...	6.302	33919...			

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...	10/22/2018 4:15 PM	5.582	131245	142.77		284.1 -> 93.2	13477	48.48		7-aminoflunitrazepam-...	291.2 -> 138...	5.582	748857				
alpha-hydroxymidazol...	342.1 -> 324...	10/22/2018 4:15 PM	6.387	125160	458.72		342.1 -> 203...	76290	149.84		alpha-hydroxymidazol...	346.1 -> 328...	6.386	816791				
Amiripityline	278.2 -> 91.2	10/22/2018 4:15 PM	6.366	235687	Infinity		278.2 -> 105...	94882	43326.08		Amiripityline-D3	281.2 -> 91.2	6.395	772828				
Acetyl Fentanyl	323.2 -> 105...	10/22/2018 4:15 PM	6.166	28990	21.75		323.2 -> 188...	9062	1086.94		Acetyl Fentanyl-D5	328.2 -> 105...	6.145	20092...				
Acetyl Norfentanyl	219.1 -> 84.2	10/22/2018 4:15 PM	4.817	9644	31.93		219.1 -> 56.3	6424	83.60		Acetyl Norfentanyl-D5	224.2 -> 84.2	4.775	710102				
Carbamazepine	237.1 -> 193...	10/22/2018 4:15 PM	6.038	50613	80.73		237.1 -> 194...	3339...	315.44		Carbamazepine-13C6	243.1 -> 200...	6.037	21480...				
Chlordiazepoxide	300.1 -> 227...	10/22/2018 4:15 PM	6.514	35946	45.23		300.1 -> 282...	59540	8.84		Chlordiazepoxide-D5	305.1 -> 286...	6.514	893251				
Sufentanil	387.2 -> 238...	10/22/2018 4:15 PM	6.668	34633	38.24		387.2 -> 111...	18585	43.20		Sufentanil-D5	392.2 -> 238...	6.646	16506...				
Desipramine	267.2 -> 72.3	10/22/2018 4:15 PM	6.297	458660	629.22		267.2 -> 44.3	2116...	746.49		Desipramine-D3	270.2 -> 75.3	6.296	23877...				
Doxepin	280.2 -> 107...	10/22/2018 4:15 PM	6.172	91878	162.15		280.2 -> 77.2	52731	Infinity		Doxepin-D3	283.2 -> 107...	6.171	340222				
Estazolam	295.1 -> 267...	10/22/2018 4:15 PM	6.313	190361	544.10		295.1 -> 205...	78827	312.19		Estazolam-D5	300.1 -> 272...	6.291	11321...				
Flunitrazepam	314.1 -> 268...	10/22/2018 4:15 PM	6.349	155885	1570.50		314.1 -> 239...	45032	139.50		Flunitrazepam-D7	321.1 -> 245...	6.349	49852				
Flurazepam	388.2 -> 315...	10/22/2018 4:15 PM	6.344	337561	833.20		388.2 -> 317...	44619	138.94		Flurazepam-D4	393.1 -> 244...	6.302	258296				
Imipramine	281.2 -> 86.2	10/22/2018 4:15 PM	6.354	409442	741.99		281.2 -> 58.3	2896...	511.36		Imipramine-D3	284.2 -> 61.3	6.353	17896...				
Levamisole	205.1 -> 91.2	10/22/2018 4:15 PM	5.450	92105	40.72		205.1 -> 178...	79051	15287.86		MDMA-D6	200.2 -> 166...	5.065	59668				
Maprotiline	278.2 -> 91.2	10/22/2018 4:15 PM	5.929	242786	Infinity		278.2 -> 117...	3626	870.20		Meperidine-D4	252.2 -> 224...	5.709	547502				
MDA	180.1 -> 163...	10/22/2018 4:15 PM	4.986	119993	29.16		180.1 -> 105...	37768	11.07		MDA-D5	185.1 -> 168...	4.964	365189				
MDEA	208.1 -> 163...	10/22/2018 4:15 PM	5.226	180375	Infinity		208.1 -> 105...	82754	231592...		MDEA-D6	214.2 -> 166...	5.225	674291				
MDMA	194.1 -> 163...	10/22/2018 4:15 PM	5.086	200923	219.19		194.1 -> 105...	80497	20.02		MDMA-D6	200.2 -> 166...	5.085	59668				
Meperidine	248.2 -> 220...	10/22/2018 4:15 PM	5.729	92134	526.84		248.2 -> 174...	68089	60.49		Meperidine-D4	252.2 -> 224...	5.709	547502				
Methylphenidate	234.2 -> 84.2	10/22/2018 4:15 PM	5.570	407478	83.74		234.2 -> 56.3	92304	Infinity		Meperidine-D4	252.2 -> 224...	5.709	547502				
Midazolam	326.1 -> 223...	10/22/2018 4:15 PM	6.551	48061	1802.91		326.1 -> 249...	66925	11018.21		Midazolam-D4	330.1 -> 295...	6.550	831169				
Normeperidine	234.1 -> 42.3	10/22/2018 4:15 PM	5.549	116246	112.62		234.1 -> 160...	48898	137.28		Normeperidine-D4	238.2 -> 164...	5.547	641445				
Nortriptyline	264.2 -> 91.2	10/22/2018 4:15 PM	6.237	574553	Infinity		264.2 -> 233...	4358...	Infinity		Nortriptyline-D3	267.2 -> 233...	6.317	256104				
Phenazepam	349.0 -> 206...	10/22/2018 4:15 PM	6.426	43501	131.49		349.0 -> 183...	37109	245.65		Phenazepam-D4	353.0 -> 183...	6.446	14209				
Phencyclidine	244.2 -> 86.2	10/22/2018 4:15 PM	5.852	85413	299.99		244.2 -> 91.1	1430...	54.12		Phencyclidine-D5	249.2 -> 86.2	5.831	767046				
Phenylethylamine	253.1 -> 104...	10/22/2018 4:15 PM	5.953	4671	26050.75		253.1 -> 182...	1448	10.07		Phenylethylamine-D5	263.2 -> 192...	5.932	23901				
Pseudoephedrine	166.1 -> 148...	10/22/2018 4:15 PM	4.564	31095...	242.69		166.1 -> 133...	6149...	95.55		Pseudoephedrine-D3	169.1 -> 151...	4.563	11301...				
Tapentadol	222.2 -> 107...	10/22/2018 4:15 PM	5.408	170381	67.30		222.2 -> 121...	74549	76.86		Tapentadol-D3	225.2 -> 107...	5.407	709162				
Zaleplon	306.1 -> 236...	10/22/2018 4:15 PM	6.128	157619	177.45		306.1 -> 264...	1704...	891.04		Zaleplon-D4	310.2 -> 240...	6.127	541487				
Zopiclone	389.1 -> 244...	10/22/2018 4:15 PM	6.303	22154	60.52		389.1 -> 216...	9455	28.93		Zopiclone-D4	393.1 -> 244...	6.302	258296				

Compound Method				p2 external control				p2 external control Results				ISTD Method			
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...	10/22/2018 4:54 PM					284.1 -> 93.2				7-aminoflunitrazepam-D7	291.2 -> 138...	5.582	411232	
Acetyl Fentanyl	323.2 -> 105...	10/22/2018 4:54 PM					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	6.145	22329...	
Acetyl Norfentanyl	219.1 -> 84.2	10/22/2018 4:54 PM					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.775	711445	
alpha-hydroxymidazolam	342.1 -> 324...	10/22/2018 4:54 PM					342.1 -> 203...				alpha-hydroxymidazolam...	346.1 -> 328...	6.366	908470	
Amtripyline	278.2 -> 91.2	10/22/2018 4:54 PM					278.2 -> 105...				Amtripyline-D3	281.2 -> 91.2	6.395	922492	
Carbamazepine	237.1 -> 193...	10/22/2018 4:54 PM					300.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	6.016	22087...	
Chlordiazepoxide	300.1 -> 227...	10/22/2018 4:54 PM					267.2 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.514	11465...	
Desipramine	267.2 -> 72.3	10/22/2018 4:54 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.276	29403...	
Doxepin	280.2 -> 107...	10/22/2018 4:54 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.151	366102	
Estazolam	295.1 -> 267...	10/22/2018 4:54 PM					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.291	12648...	
Flunitrazepam	314.1 -> 268...	10/22/2018 4:54 PM					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.349	58709	
Flurazepam	388.2 -> 315...	10/22/2018 4:54 PM					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.302	251273	
Imipramine	281.2 -> 86.2	10/22/2018 4:54 PM					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.333	21239...	
Levamisole	205.1 -> 91.2	10/22/2018 4:54 PM					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.065	55834	
Maprotiline	278.2 -> 91.2	10/22/2018 4:54 PM					278.2 -> 117...				Meperidine-D4	252.2 -> 224...	5.709	579760	
MDA	180.1 -> 163...	10/22/2018 4:54 PM					180.1 -> 105...				MDA-D5	185.1 -> 168...	4.944	392610	
MDA	208.1 -> 163...	10/22/2018 4:54 PM					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.205	696320	
MDMA	194.1 -> 163...	10/22/2018 4:54 PM					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.065	55834	
Meperidine	248.2 -> 220...	10/22/2018 4:54 PM	5.709	12923...	160.78		248.2 -> 174...	9208...	211.55		Meperidine-D4	252.2 -> 224...	5.709	579760	
Methylphenidate	234.2 -> 84.2	10/22/2018 4:54 PM					234.2 -> 56.3				Meperidine-D4	252.2 -> 224...	5.709	579760	
Midazolam	326.1 -> 223...	10/22/2018 4:54 PM					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.530	885730	
Normeperidine	234.1 -> 42.3	10/22/2018 4:54 PM	5.488	37223	33.15		234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.527	711909	
Nortriptyline	264.2 -> 91.2	10/22/2018 4:54 PM					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.317	672410	
Phenazepam	349.0 -> 206...	10/22/2018 4:54 PM					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.426	22470	
Phencyclidine	244.2 -> 86.2	10/22/2018 4:54 PM					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	5.810	783504	
Phenyltoin	253.1 -> 104...	10/22/2018 4:54 PM	5.688	3512	72.03		253.1 -> 182...				Phenyltoin-D10	263.2 -> 192...	5.911	31869	
Pseudoephedrine	166.1 -> 148...	10/22/2018 4:54 PM					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.543	11700...	
Sufentanil	387.2 -> 238...	10/22/2018 4:54 PM					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.646	19499...	
Tapentadol	222.2 -> 107...	10/22/2018 4:54 PM					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.387	778964	
Zaleplon	306.1 -> 236...	10/22/2018 4:54 PM					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.127	574605	
Zopiclone	389.1 -> 244...	10/22/2018 4:54 PM					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.302	251273	

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...	10/22/2018 4:34 PM					284.1 -> 93.2				7-aminoflunitrazepam-D7	291.2 -> 138...	5.582	510077
Acetyl Fentanyl	323.2 -> 105...	10/22/2018 4:34 PM					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	6.145	24200...
Acetyl Norfentanyl	219.1 -> 84.2	10/22/2018 4:34 PM					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.795	771777
alpha-hydroxymidazolam...	342.1 -> 324...	10/22/2018 4:34 PM					342.1 -> 203...				alpha-hydroxymidazolam-...	346.1 -> 328...	6.386	977463
Amtripyline	278.2 -> 91.2	10/22/2018 4:34 PM					278.2 -> 105...				Amtripyline-D3	281.2 -> 91.2	6.395	10133...
Carbamazepine	237.1 -> 193...	10/22/2018 4:34 PM					237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	6.037	24199...
Chlordiazepoxide	300.1 -> 227...	10/22/2018 4:34 PM					300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.514	11420...
Desipramine	267.2 -> 72.3	10/22/2018 4:34 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.296	32108...
Doxepin	280.2 -> 107...	10/22/2018 4:34 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.171	429621
Estazolam	295.1 -> 267...	10/22/2018 4:34 PM					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.291	14060...
Flunitrazepam	314.1 -> 268...	10/22/2018 4:34 PM					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.349	63583
Flurazepam	388.2 -> 315...	10/22/2018 4:34 PM					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.302	341817
Imipramine	281.2 -> 86.2	10/22/2018 4:34 PM					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.353	23127...
Levamisole	205.1 -> 91.2	10/22/2018 4:34 PM					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.065	65998
Maprotiline	278.2 -> 91.2	10/22/2018 4:34 PM					278.2 -> 117...				Meperidine-D4	252.2 -> 224...	5.729	623254
MDA	180.1 -> 163...	10/22/2018 4:34 PM					180.1 -> 105...				MDA-D5	185.1 -> 168...	4.964	397815
MDEA	208.1 -> 163...	10/22/2018 4:34 PM					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.205	744728
MDMA	194.1 -> 163...	10/22/2018 4:34 PM					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.065	65998
Meperidine	248.2 -> 220...	10/22/2018 4:34 PM					248.2 -> 174...				Meperidine-D4	252.2 -> 224...	5.729	623254
Methylphenidate	234.2 -> 84.2	10/22/2018 4:34 PM					234.2 -> 56.3				Meperidine-D4	252.2 -> 224...	5.729	623254
Midazolam	326.1 -> 223...	10/22/2018 4:34 PM					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.550	964588
Normeperidine	234.1 -> 42.3	10/22/2018 4:34 PM					234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.547	769993
Nortriptyline	264.2 -> 91.2	10/22/2018 4:34 PM					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.337	747516
Phenazepam	349.0 -> 206...	10/22/2018 4:34 PM					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.426	25335
Phencyclidine	244.2 -> 86.2	10/22/2018 4:34 PM					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	5.831	912303
Phenyltoin	253.1 -> 104...	10/22/2018 4:34 PM	5.729	5047	9.91		253.1 -> 182...				Phenyltoin-D10	263.2 -> 192...	5.932	25782
Pseudoephedrine	166.1 -> 148...	10/22/2018 4:34 PM					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.563	10449...
Sufentanil	387.2 -> 238...	10/22/2018 4:34 PM					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.646	21789...
Tapentadol	222.2 -> 107...	10/22/2018 4:34 PM					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.407	864568
Zaleplon	306.1 -> 236...	10/22/2018 4:34 PM					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.127	621436
Zopiclone	389.1 -> 244...	10/22/2018 4:34 PM					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.302	341817