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**Worklist: 2783**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-4768	1	130859	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5158	1	129206	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5185	1	129338	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5224	1	129547	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5239	1	129686	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5424	3	130874	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-5473	3	130862	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3025	1	129568	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3068	1	129950	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3070	1	129964	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3071	1	129971	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3074	1	130032	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3075	1	130035	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3121	1	130865	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3123	1	130871	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3129	1	130930	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3146	1	131008	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3149	1	131020	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3150	1	131023	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3166	1	131047	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3167	1	131050	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3170	1	131083	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-3171	1	131086	AM 25 Blood Multi-Drug Screen by LC-QQQ	

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**Worklist: 2783**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2018-3180	1	131316	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-3181	1	131319	AM 25 Blood Multi-Drug Screen by LC-QQQ



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

8

Extraction Date: 12/05/18

Analyst: Sarah Pickle

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: #16** 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: 120518 MDS SP  
Worklist path: MDS P1 SP, MDS P2 SP
- 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:

Did not evaluate meprobamate.



# Idaho State Police Forensic Services

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

**Analyst:** Sarah Pickle  
**Extraction Date:** 12/05/18  
**Worklist Number:** 2783

<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	0543908	11/28/19			
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	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	182702		<del>06/21/18</del> 9/17/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		1/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		8/3/07		
Ethyl Acetate(ACS grade or better)	100362		6/26/17		
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 Rinse--75% LCMS MeOH in LCMS Water	110818		11/08/18		

**Methanol External Control Solution (Lot: 042618)**

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

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

B

**Blood External Control Solution (Lot: 042618)***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: 111318)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
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)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
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)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	11/08/18	
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	Transition	Area	S/N	MI	Name	Transition	RT	Resp.						
6-MAM	328.2 -> 165...	12/5/2018 1:33 PM	5.259	4149	1103.27	328.2 -> 211...	1341	96.45	6-MAM-D6	334.2 -> 165...	5.218	103091												
7-aminoclonazepam	286.1 -> 121...	12/5/2018 1:33 PM	5.471	63387	178.09	286.1 -> 222...	10729	2482.84	7-Aminoclonazepam-D4	290.1 -> 121...	5.449	210947												
Benzylecgonine	290.1 -> 168...	12/5/2018 1:33 PM	5.243	11304	40.10	290.1 -> 105...	12378	1731.91	Benzylecgonine-D8	298.2 -> 171...	5.243	47450												
a-hydroxyalprazolam	325.1 -> 297...	12/5/2018 1:33 PM	6.320	15401	2032.00	325.1 -> 215...	3351	14.67	a-hydroxyalprazolam-D5	330.1 -> 302...	6.319	72160												
alpha-PVP	232.2 -> 91.0	12/5/2018 1:33 PM	5.601	95286	18088.04	232.2 -> 77.1	71516	189.06	alpha-PVP-d8	240.2 -> 91.1	5.579	848499												
Alprazolam	309.1 -> 281...	12/5/2018 1:33 PM	6.406	165527	77801.60	309.1 -> 205...	63792	10155...	Alprazolam-D5	314.1 -> 286...	6.405	758046												
Amphetamine	136.1 -> 91.1	12/5/2018 1:33 PM	4.851	244996	12.07	136.1 -> 119...	84735	12.75	Amphetamine-D11	147.2 -> 130...	4.790	61676												
Cocaine	304.2 -> 182...	12/5/2018 1:33 PM	5.591	237903	132.87	304.2 -> 105...	27600	11.63	Cocaine-D3	307.2 -> 185...	5.569	373143												
Bupropion	240.1 -> 184...	12/5/2018 1:33 PM	5.784	76836	31.08	240.1 -> 131...	1432	Infinity	Bupropion-D9	249.2 -> 185...	5.742	96491												
Carisoprodol	261.2 -> 176...	12/5/2018 1:33 PM	6.067	17945	37.66	261.2 -> 55.3	47763	12.57	Carisoprodol-D7	268.2 -> 183...	6.045	73428												
Citalopram	325.2 -> 109...	12/5/2018 1:33 PM	5.974	289510	168.20	325.2 -> 262...	41127	5274.06	Citalopram-D6	331.2 -> 109...	5.973	418421												
Clonazepam	316.1 -> 269...	12/5/2018 1:33 PM	6.281	24051	3663.11	316.1 -> 213...	3186	10.37	Clonazepam-D4	320.1 -> 217...	6.260	33559												
Codeine	300.2 -> 215...	12/5/2018 1:33 PM	5.262	21428	17.94	300.2 -> 165...	16693	3062.73	Codeine-D6	306.2 -> 218...	5.199	124573												
Cyclobenzaprine	276.2 -> 214...	12/5/2018 1:33 PM	6.227	85446	234.40	276.2 -> 231...	38247	35.33	Cyclobenzaprine-D3	279.2 -> 215...	6.226	625052												
Dextromethorphan	272.2 -> 171...	12/5/2018 1:33 PM	5.983	128212	986.11	272.2 -> 147...	1110	178.99	Dextromethorphan-D3	275.2 -> 171...	5.983	348660												
Dextrophan	258.2 -> 157...	12/5/2018 1:33 PM	5.414	59735	164.80	258.2 -> 133...	51934	130.45	Dextrophan-D3	261.2 -> 157...	5.393	310831												
Diazepam	285.1 -> 193...	12/5/2018 1:33 PM	6.653	95132	87.84	285.1 -> 153...	1196	56.83	Diazepam-D5	290.1 -> 198...	6.652	400542												
Dihydrocodeine	302.2 -> 198...	12/5/2018 1:33 PM	4.998	53231	13956.73	302.2 -> 128...	35368	32.66	Dihydrocodeine-D6	308.2 -> 202...	4.956	254444												
Diphenhydramine	256.2 -> 167...	12/5/2018 1:33 PM	5.946	115926	6.22	256.2 -> 152...	1106	8.59	Diphenhydramine-D3	259.2 -> 167...	5.925	1144224												
Doxylamine	271.2 -> 182...	12/5/2018 1:33 PM	5.576	90216	147.50	271.2 -> 167...	2459	62.34	Doxylamine-D5	276.2 -> 187...	5.534	358465												
EDDP	279.2 -> 235...	12/5/2018 1:33 PM	5.941	495847	1407.38	279.2 -> 250...	2240	260.42	EDDP-D3	282.2 -> 235...	5.941	3015034												
Fentanyl	337.2 -> 105...	12/5/2018 1:33 PM	6.094	22935	2854.71	337.2 -> 188...	7187	1173.24	Fentanyl-D5	342.3 -> 105...	6.074	1758702												
Fluoxetine	310.1 -> 44.3	12/5/2018 1:33 PM	6.201	672561	65475.37	310.1 -> 148...	9965	23.57	Fluoxetine-D6	316.2 -> 44.3	6.179	2311879												
Hydrocodone	300.2 -> 198...	12/5/2018 1:33 PM	5.386	67696	7709.78	300.2 -> 128...	50990	30689...	Hydrocodone-D6	306.2 -> 202...	5.342	356747												
Hydromorphone	286.2 -> 184...	12/5/2018 1:33 PM	4.881	46420	2946.52	286.2 -> 157...	49880	4.81	Hydromorphone-D6	292.2 -> 185...	4.839	200818												
Ketamine	238.1 -> 125...	12/5/2018 1:33 PM	5.723	217459	620.56	238.1 -> 220...	40323	14.15	Ketamine-D4	242.1 -> 129...	5.722	934537												
Metoprolol	268.2 -> 116...	12/5/2018 1:33 PM	5.412	44200	99.97	268.2 -> 56.3	50162	10437...	Carisoprodol-D7	268.2 -> 183...	6.045	73428												
Mirtazapine	266.2 -> 195...	12/5/2018 1:33 PM	6.046	328972	546.61	266.2 -> 72.3	1583	18079...	Carisoprodol-D7	268.2 -> 183...	6.045	73428												
* Meproamate	219.1 -> 158...	12/5/2018 1:33 PM	5.540	13065	28.45	219.1 -> 97.1	6387	1464.61	Meproamate-D7	226.2 -> 165...	5.540	1427												
Methadone	310.2 -> 265...	12/5/2018 1:33 PM	6.221	286219	45964.28	310.2 -> 105...	2340	194.78	Methadone-D9	319.3 -> 268...	6.220	949096												
Methamphetamine	150.1 -> 91.1	12/5/2018 1:33 PM	4.992	158983	13.14	150.1 -> 119...	31772	4.70	Methamphetamine-D11	161.2 -> 97.1	4.971	419795												
Morphine	286.2 -> 201...	12/5/2018 1:33 PM	4.699	14349	32.27	286.2 -> 165...	7935	Infinity	Morphine-D6	292.2 -> 152...	4.616	30189												
Norbuprenorphine	414.3 -> 101...	12/5/2018 1:33 PM	5.787	6171	8.78	414.3 -> 57.3	9776	1414.16	Norbuprenorphine-D3	417.3 -> 101...	5.787	13323												
Nordiazepam	271.1 -> 140...	12/5/2018 1:33 PM	6.493	38033	67.23	271.1 -> 208...	9500	Infinity	Nordiazepam-D5	276.1 -> 140...	6.492	105573												
Norfentanyl	233.2 -> 84.2	12/5/2018 1:33 PM	5.314	197334	25263.39	233.2 -> 55.3	71681	94.22	Norfentanyl-D5	238.2 -> 84.2	5.294	937288												
Norhydrocodone	286.2 -> 199...	12/5/2018 1:33 PM	5.043	7514	62.66	286.2 -> 171...	4733	536.71	Norhydrocodone-D3	289.2 -> 202...	5.002	105169												
Noroxycodone	302.1 -> 284...	12/5/2018 1:33 PM	4.918	52837	7259.29	302.1 -> 186...	13226	3578.15	Noroxycodone-D3	305.2 -> 287...	4.916	274998												
O-desmethyl-tramadol	250.2 -> 58.3	12/5/2018 1:33 PM	4.927	373117	109.49	250.2 -> 42.3	8354	44.74	O-desmethyl-tramadol...	256.2 -> 64.3	4.907	1046944												
Oxazepam	287.1 -> 240...	12/5/2018 1:33 PM	6.327	16773	15.91	287.1 -> 268...	11531	Infinity	Oxazepam-D5	292.1 -> 246...	6.306	62078												
Oxycodone	316.2 -> 298...	12/5/2018 1:33 PM	5.198	187889	47.51	316.2 -> 241...	37228	119.45	Oxycodone-D6	322.2 -> 304...	5.158	338383												
Oxymorphone	302.1 -> 284...	12/5/2018 1:33 PM	4.634	149327	25.62	302.1 -> 227...	22599	22.16	Oxymorphone-D3	305.2 -> 287...	4.572	749398												
Phentermine	150.1 -> 65.2	12/5/2018 1:33 PM	5.134	37771	Infinity	150.1 -> 133...	1579	Infinity	Phentermine-D5	155.2 -> 96.2	5.113	538728												
Promethazine	285.1 -> 86.2	12/5/2018 1:33 PM	6.266	359431	8083.18	285.1 -> 71.3	72580	157.88	Promethazine-D3	388.2 -> 89.2	6.245	1260369												
Quetiapine	384.2 -> 253...	12/5/2018 1:33 PM	6.439	395841	758.29	384.2 -> 221...	2108	31274...	Quetiapine-D8	392.2 -> 226...	6.377	504131												
Sertraline	306.1 -> 158...	12/5/2018 1:33 PM	6.427	254314	1099.37	306.1 -> 275...	94896	Infinity	Sertraline-D3	309.1 -> 275...	6.426	691938												
Temazepam	301.1 -> 255...	12/5/2018 1:33 PM	6.468	131822	27181.68	301.1 -> 283...	34227	Infinity	Temazepam-D5	306.1 -> 260...	6.467	811334												
Tramadol	264.2 -> 58.3	12/5/2018 1:33 PM	5.433	403175	137.56	264.2 -> 43.3	4282	5.82	Tramadol-13C-D3	268.2 -> 58.3	5.412	2322423												
Trazodone	372.2 -> 176...	12/5/2018 1:33 PM	6.622	557961	6164.92	372.2 -> 148...	6295...	380.45	Trazodone-D6	378.2 -> 182...	6.602	1573043												

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	Transition	Area	S/N	MI	Name	Transition	RT	Resp.
Venlafaxine	278.2 -> 58.3	12/5/2018 1:33 PM	5.717	485994	75800.59	1	278.2 -> 260...	8921	971.14	1	284.2 -> 64.3	8921	971.14	1	Venlafaxine-D6	284.2 -> 64.3	5.716	729821
Zolpidem	308.2 -> 235...	12/5/2018 1:33 PM	6.243	540340	90411.83	1	308.2 -> 263...	1134..	302.68	1	314.2 -> 235..	1134..	302.68	1	Zolpidem-D6	314.2 -> 235..	6.241	2890360
Mitragynine	399.2 -> 174...	12/5/2018 1:33 PM	6.133	136994	14082.71	1	399.2 -> 238...	13806	23.43	1	392.2 -> 226...	13806	23.43	1	Quetiapine-D8	392.2 -> 226...	6.377	504131

\*Did not evaluate meprobamate.

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...	12/5/2018 2:12 PM	6.653	530536	155076...	268.2 -> 116...	5.391	530536	155076...	268.2 -> 116...	6-MAM-D6	334.2 -> 165...	5.197	107689					
7-aminoclonazepam	286.1 -> 121...	12/5/2018 2:12 PM				286.1 -> 222...					7-Aminoclonazepam-D4	290.1 -> 121...	5.428	237489					
Benzoylcegonine	290.1 -> 168...	12/5/2018 2:12 PM				290.1 -> 105...					Benzoylcegonine-D8	298.2 -> 171...	5.222	51765					
a-hydroxyalprazolam	325.1 -> 297...	12/5/2018 2:12 PM				325.1 -> 215...					a-hydroxyalprazolam-D5	330.1 -> 302...	6.299	75630					
alpha-PVP	232.2 -> 91.0	12/5/2018 2:12 PM				232.2 -> 77.1					alpha-PVP-d8	240.2 -> 91.1	5.559	904848					
Alprazolam	309.1 -> 281...	12/5/2018 2:12 PM				309.1 -> 205...					Alprazolam-D5	314.1 -> 286...	6.384	666427					
Amphetamine	136.1 -> 91.1	12/5/2018 2:12 PM				136.1 -> 119...					Amphetamine-D11	147.2 -> 130...	4.790	84653					
Cocaine	304.2 -> 182...	12/5/2018 2:12 PM				304.2 -> 105...					Cocaine-D3	307.2 -> 185...	5.569	417199					
Bupropion	240.1 -> 184...	12/5/2018 2:12 PM				240.1 -> 131...					Bupropion-D9	249.2 -> 185...	5.762	112591					
Carisoprodol	261.2 -> 176...	12/5/2018 2:12 PM				261.2 -> 55.3					Carisoprodol-D7	268.2 -> 183...	6.045	67246					
Citalopram	325.2 -> 109...	12/5/2018 2:12 PM				325.2 -> 262...					Citalopram-D6	331.2 -> 109...	5.953	437888					
Clonazepam	316.1 -> 269...	12/5/2018 2:12 PM				316.1 -> 213...					Clonazepam-D4	320.1 -> 217...	6.260	28509					
Codeine	300.2 -> 215...	12/5/2018 2:12 PM				300.2 -> 165...					Codeine-D6	306.2 -> 218...	5.179	128919					
Cyclobenzaprine	276.2 -> 214...	12/5/2018 2:12 PM				276.2 -> 231...					Cyclobenzaprine-D3	279.2 -> 215...	6.226	623663					
Dextromethorphan	272.2 -> 171...	12/5/2018 2:12 PM				272.2 -> 147...					Dextromethorphan-D3	275.2 -> 171...	5.963	352224					
Dextropropriphan	258.2 -> 157...	12/5/2018 2:12 PM				258.2 -> 133...					Dextropropriphan-D3	261.2 -> 157...	5.393	320091					
Diazepam	285.1 -> 193...	12/5/2018 2:12 PM	6.653	10175...	333.11	285.1 -> 153...	14636...	408.04			Diazepam-D5	290.1 -> 198...	6.632	422726					
Dihydrocodeine	302.2 -> 198...	12/5/2018 2:12 PM				302.2 -> 128...					Dihydrocodeine-D6	308.2 -> 202...	4.936	271013					
Diphenhydramine	256.2 -> 167...	12/5/2018 2:12 PM				256.2 -> 152...					Diphenhydramine-D3	259.2 -> 167...	5.925	12398...					
Doxylamine	271.2 -> 182...	12/5/2018 2:12 PM				271.2 -> 167...					Doxylamine-D5	276.2 -> 187...	5.554	911042					
EDDP	279.2 -> 235...	12/5/2018 2:12 PM				279.2 -> 250...					EDDP-D3	282.2 -> 235...	5.921	32314...					
Fentanyl	337.2 -> 105...	12/5/2018 2:12 PM				337.2 -> 188...					Fentanyl-D5	342.3 -> 105...	6.074	18062...					
Fluoxetine	310.1 -> 44.3	12/5/2018 2:12 PM				310.1 -> 148...					Fluoxetine-D6	316.2 -> 44.3	6.179	26487...					
Hydrocodone	300.2 -> 198...	12/5/2018 2:12 PM				300.2 -> 128...					Hydrocodone-D6	306.2 -> 202...	5.342	383345					
Hydromorphone	286.2 -> 184...	12/5/2018 2:12 PM				286.2 -> 157...					Hydromorphone-D6	292.2 -> 185...	4.819	231925					
Ketamine	238.1 -> 125...	12/5/2018 2:12 PM				238.1 -> 220...					Ketamine-D4	242.1 -> 129...	5.701	10112...					
Metoprolol	268.2 -> 116...	12/5/2018 2:12 PM	5.391	530536	155076...	268.2 -> 56.3	560863	1306...			Carisoprodol-D7	268.2 -> 183...	6.045	67246					
Mirtazapine	266.2 -> 195...	12/5/2018 2:12 PM				266.2 -> 72.3					Carisoprodol-D7	268.2 -> 183...	6.045	67246					
Meprobamate	219.1 -> 158...	12/5/2018 2:12 PM				219.1 -> 97.1					Meprobamate-D7	226.2 -> 165...	5.540	908					
Methadone	310.2 -> 265...	12/5/2018 2:12 PM				310.2 -> 105...					Methadone-D9	319.3 -> 268...	6.199	977353					
Methamphetamine	150.1 -> 91.1	12/5/2018 2:12 PM				150.1 -> 119...					Methamphetamine-D11	161.2 -> 97.1	4.951	729063					
Morphine	286.2 -> 201...	12/5/2018 2:12 PM				286.2 -> 165...					Morphine-D6	292.2 -> 152...	4.637	34080					
Norbuprenorphine	414.3 -> 101...	12/5/2018 2:12 PM				414.3 -> 57.3					Norbuprenorphine-D3	417.3 -> 101...	5.787	15361					
Nordiazepam	271.1 -> 140...	12/5/2018 2:12 PM				271.1 -> 208...					Nordiazepam-D5	276.1 -> 140...	6.492	79995					
Norfentanyl	233.2 -> 84.2	12/5/2018 2:12 PM				233.2 -> 55.3					Norfentanyl-D5	238.2 -> 84.2	5.273	10381...					
Norhydrocodone	286.2 -> 199...	12/5/2018 2:12 PM				286.2 -> 171...					Norhydrocodone-D3	289.2 -> 202...	5.002	118732					
Noroxycodone	302.1 -> 284...	12/5/2018 2:12 PM				302.1 -> 186...					Noroxycodone-D3	305.2 -> 287...	4.916	309887					
O-desmethyl-tramadol	250.2 -> 58.3	12/5/2018 2:12 PM				250.2 -> 42.3					O-desmethyl-tramadol...	256.2 -> 64.3	4.907	10958...					
Oxazepam	287.1 -> 240...	12/5/2018 2:12 PM				287.1 -> 268...					Oxazepam-D5	292.1 -> 246...	6.326	67816					
Oxycodone	316.2 -> 298...	12/5/2018 2:12 PM	5.178	10448...	439.93	316.2 -> 241...	227414	364.02			Oxycodone-D6	322.2 -> 304...	5.137	374174					
Oxymorphone	302.1 -> 284...	12/5/2018 2:12 PM				302.1 -> 227...					Oxymorphone-D3	305.2 -> 287...	4.552	670079					
Phentermine	150.1 -> 65.2	12/5/2018 2:12 PM				150.1 -> 133...					Phentermine-D5	155.2 -> 96.2	5.093	694676					
Promethazine	285.1 -> 86.2	12/5/2018 2:12 PM				285.1 -> 71.3					Promethazine-D3	288.2 -> 89.2	6.245	12923...					
Quetiapine	384.2 -> 253...	12/5/2018 2:12 PM				384.2 -> 221...					Quetiapine-D8	392.2 -> 226...	6.377	499611					
Seftalene	306.1 -> 158...	12/5/2018 2:12 PM				306.1 -> 275...					Seftalene-D3	309.1 -> 275...	6.426	695931					
Temazepam	301.1 -> 255...	12/5/2018 2:12 PM				301.1 -> 283...					Temazepam-D5	306.1 -> 260...	6.447	732584					
Tramadol	284.2 -> 58.3	12/5/2018 2:12 PM				284.2 -> 43.3					Tramadol-13C-D3	268.2 -> 58.3	5.412	23962...					
Trazodone	372.2 -> 176...	12/5/2018 2:12 PM				372.2 -> 148...					Trazodone-D6	378.2 -> 182...	6.602	15343...					



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Compound Name	p1 external control		p1 external control Results		Qualifier 1 Results		ISTD Method		ISTD Results					
	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.
Venlafaxine	278.2 -> 58.3	12/5/2018 2:12 PM					278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	5.696	691334
Zolpidem	308.2 -> 235...	12/5/2018 2:12 PM					308.2 -> 263...				Zolpidem-D6	314.2 -> 235...	6.221	30303...
Mitragynine	399.2 -> 174...	12/5/2018 2:12 PM	6.397	180	77.83		399.2 -> 238...				Quetiapine-D8	392.2 -> 226...	6.377	499611

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Compound Method			p1 negative				p1 negative Results				Qualifier 1 R...			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Area	S/N	MI	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	12/5/2018 1:52 PM					328.2 -> 211...							6-MAM-D6	334.2 -> 165...	5.218	124455	
7-aminoclonazepam	286.1 -> 121...	12/5/2018 1:52 PM					286.1 -> 222...							7-Aminoclonazepam-D4	290.1 -> 121...	5.428	277089	
Benzylecgonine	290.1 -> 168...	12/5/2018 1:52 PM					290.1 -> 105...							Benzylecgonine-D8	298.2 -> 171...	5.222	47035	
a-hydroxyalprazolam	325.1 -> 297...	12/5/2018 1:52 PM					325.1 -> 215...							a-hydroxyalprazolam-D5	330.1 -> 302...	6.299	93913	
alpha-PVP	232.2 -> 91.0	12/5/2018 1:52 PM					232.2 -> 77.1							alpha-PVP-d8	240.2 -> 91.1	5.559	10361...	
Alprazolam	309.1 -> 281...	12/5/2018 1:52 PM					309.1 -> 205...							Alprazolam-D5	314.1 -> 286...	6.384	899679	
Amphetamine	136.1 -> 91.1	12/5/2018 1:52 PM					136.1 -> 119...							Amphetamine-D11	147.2 -> 130...	4.790	80861	
Cocaine	304.2 -> 182...	12/5/2018 1:52 PM					304.2 -> 105...							Cocaine-D3	307.2 -> 185...	5.549	449798	
Bupropion	240.1 -> 184...	12/5/2018 1:52 PM					240.1 -> 131...							Bupropion-D9	249.2 -> 185...	5.742	135871	
Carisoprodol	261.2 -> 176...	12/5/2018 1:52 PM					261.2 -> 55.3							Carisoprodol-D7	268.2 -> 183...	6.045	69627	
Citalopram	325.2 -> 109...	12/5/2018 1:52 PM					325.2 -> 262...							Citalopram-D6	331.2 -> 109...	5.953	453374	
Clonazepam	316.1 -> 269...	12/5/2018 1:52 PM					316.1 -> 213...							Clonazepam-D4	320.1 -> 217...	6.240	36607	
Codeine	300.2 -> 215...	12/5/2018 1:52 PM					300.2 -> 165...							Codeine-D6	306.2 -> 218...	5.179	137038	
Cyclobenzaprine	276.2 -> 214...	12/5/2018 1:52 PM					276.2 -> 231...							Cyclobenzaprine-D3	279.2 -> 215...	6.226	742366	
Dextromethorphan	272.2 -> 171...	12/5/2018 1:52 PM					272.2 -> 147...							Dextromethorphan-D3	275.2 -> 171...	5.963	395597	
Dextropran	258.2 -> 157...	12/5/2018 1:52 PM					258.2 -> 133...							Dextropran-D3	261.2 -> 157...	5.393	359104	
Diazepam	285.1 -> 193...	12/5/2018 1:52 PM					285.1 -> 153...							Diazepam-D5	290.1 -> 198...	6.652	469745	
Dihydrocodeine	302.2 -> 198...	12/5/2018 1:52 PM					302.2 -> 128...							Dihydrocodeine-D6	308.2 -> 202...	4.936	299860	
Diphenhydramine	256.2 -> 167...	12/5/2018 1:52 PM					256.2 -> 152...							Diphenhydramine-D3	259.2 -> 167...	5.905	13414...	
Doxylamine	271.2 -> 182...	12/5/2018 1:52 PM					271.2 -> 167...							Doxylamine-D5	276.2 -> 187...	5.554	10667...	
EDDP	279.2 -> 235...	12/5/2018 1:52 PM					279.2 -> 250...							EDDP-D3	282.2 -> 235...	5.921	36064...	
Fentanyl	337.2 -> 105...	12/5/2018 1:52 PM					337.2 -> 188...							Fentanyl-D5	342.3 -> 105...	6.054	19708...	
Fluoxetine	310.1 -> 44.3	12/5/2018 1:52 PM					310.1 -> 148...							Fluoxetine-D6	316.2 -> 44.3	6.179	28367...	
Hydrocodone	300.2 -> 198...	12/5/2018 1:52 PM					300.2 -> 128...							Hydrocodone-D6	306.2 -> 202...	5.342	497493	
Hydromorphone	286.2 -> 184...	12/5/2018 1:52 PM					286.2 -> 157...							Hydromorphone-D6	292.2 -> 185...	4.798	221790	
Ketamine	238.1 -> 125...	12/5/2018 1:52 PM					238.1 -> 220...							Ketamine-D4	242.1 -> 129...	5.701	11168...	
Metoprolol	268.2 -> 116...	12/5/2018 1:52 PM					268.2 -> 56.3							Carisoprodol-D7	268.2 -> 183...	6.045	69627	
Mirtazapine	266.2 -> 195...	12/5/2018 1:52 PM					266.2 -> 72.3							Carisoprodol-D7	268.2 -> 183...	6.045	69627	
Meprobamate	219.1 -> 158...	12/5/2018 1:52 PM					219.1 -> 97.1							Meprobamate-D7	226.2 -> 165...	5.499	2274	
Methadone	310.2 -> 265...	12/5/2018 1:52 PM					310.2 -> 105...							Methadone-D9	319.3 -> 268...	6.199	11280...	
Methamphetamine	150.1 -> 91.1	12/5/2018 1:52 PM					150.1 -> 119...							Methamphetamine-D11	161.2 -> 97.1	4.951	753721	
Morphine	286.2 -> 201...	12/5/2018 1:52 PM					286.2 -> 165...							Morphine-D6	292.2 -> 152...	4.616	33547	
Norbuprenorphine	414.3 -> 101...	12/5/2018 1:52 PM					414.3 -> 57.3							Norbuprenorphine-D3	417.3 -> 101...	5.766	19804	
Nordiazepam	271.1 -> 140...	12/5/2018 1:52 PM					271.1 -> 208...							Nordiazepam-D5	276.1 -> 140...	6.492	127458	
Norfentanyl	233.2 -> 84.2	12/5/2018 1:52 PM					233.2 -> 55.3							Norfentanyl-D5	238.2 -> 84.2	5.273	11580...	
Norhydrocodone	286.2 -> 199...	12/5/2018 1:52 PM					286.2 -> 171...							Norhydrocodone-D3	289.2 -> 202...	4.982	114043	
Noroxycodone	302.1 -> 284...	12/5/2018 1:52 PM					302.1 -> 186...							Noroxycodone-D3	305.2 -> 287...	4.916	383974	
O-desmethyl-tramadol	250.2 -> 58.3	12/5/2018 1:52 PM					250.2 -> 42.3							O-desmethyl-tramadol-...	256.2 -> 64.3	4.907	11896...	
Oxazepam	287.1 -> 240...	12/5/2018 1:52 PM					287.1 -> 268...							Oxazepam-D5	292.1 -> 246...	6.326	80534	
Oxycodone	316.2 -> 298...	12/5/2018 1:52 PM					316.2 -> 241...							Oxycodone-D6	322.2 -> 304...	5.137	439294	
Oxymorphone	302.1 -> 284...	12/5/2018 1:52 PM					302.1 -> 227...							Oxymorphone-D3	305.2 -> 287...	4.552	840870	
Phentermine	150.1 -> 65.2	12/5/2018 1:52 PM					150.1 -> 133...							Phentermine-D5	155.2 -> 96.2	5.093	716698	
Promethazine	285.1 -> 86.2	12/5/2018 1:52 PM					285.1 -> 71.3							Promethazine-D3	288.2 -> 89.2	6.245	14018...	
Quetiapine	384.2 -> 253...	12/5/2018 1:52 PM					384.2 -> 221...							Quetiapine-D8	392.2 -> 226...	6.357	553170	
Sertraline	306.1 -> 158...	12/5/2018 1:52 PM					306.1 -> 275...							Sertraline-D3	309.1 -> 275...	6.426	844056	
Temazepam	301.1 -> 255...	12/5/2018 1:52 PM					301.1 -> 283...							Temazepam-D5	306.1 -> 260...	6.447	951206	
Tramadol	264.2 -> 58.3	12/5/2018 1:52 PM					264.2 -> 43.3							Tramadol-13C-D3	268.2 -> 58.3	5.412	26824...	
Trazodone	372.2 -> 176...	12/5/2018 1:52 PM					372.2 -> 148...							Trazodone-D6	378.2 -> 182...	6.581	17995...	

P

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	Transition	Name	Transition	RT	Resp.			
Venlafaxine	278.2 -> 58.3	12/5/2018 1:52 PM					278.2 -> 260...					Venlafaxine-D6	284.2 -> 64.3	5.696	765740			
Zolpidem	308.2 -> 235...	12/5/2018 1:52 PM					308.2 -> 263...					Zolpidem-D6	314.2 -> 235...	6.221	33667...			
Mitragynine	399.2 -> 174...	12/5/2018 1:52 PM					399.2 -> 238...					Quetiapine-D8	392.2 -> 226...	6.357	553170			

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...	12/5/2018 1:43 PM	5.643	129642	1693.64	1	284.1 -> 93.2	15295	30.64	1	7-aminoflunitrazepam-D7	291.2 -> 138...	5.643	679228					
alpha-hydroxymidazolam	342.1 -> 324...	12/5/2018 1:43 PM	6.387	56509	89.71	1	342.1 -> 203...	40621	376.06	1	alpha-hydroxymidazolam...	346.1 -> 328...	6.366	597916					
Amiripityline	278.2 -> 91.2	12/5/2018 1:43 PM	6.295	369941	Infinity	1	278.2 -> 105...	1322...	31561...	1	Amiripityline-D3	281.2 -> 91.2	6.293	876762					
Acetyl Fentanyl	323.2 -> 105...	12/5/2018 1:43 PM	5.923	24168	4262.76	1	323.2 -> 188...	10095	33.16	1	Acetyl Fentanyl-D5	328.2 -> 105...	5.902	1694737					
Acetyl Norfentanyl	219.1 -> 84.2	12/5/2018 1:43 PM	4.857	9941	55.13	1	219.1 -> 56.3	4638	15.53	1	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.856	619182					
Carbamazepine	237.1 -> 193...	12/5/2018 1:43 PM	6.059	49015	79.10	1	237.1 -> 194...	3046...	232.22	1	Carbamazepine-13C6	243.1 -> 200...	6.057	2040564					
Chlordiazepoxide	300.1 -> 227...	12/5/2018 1:43 PM	6.534	54531	56.82	1	300.1 -> 282...	81290	16.87	1	Chlordiazepoxide-D5	305.1 -> 286...	6.534	1135437					
Sufentanil	387.2 -> 238...	12/5/2018 1:43 PM	6.405	29824	96.73	1	387.2 -> 111...	18805	37.12	1	Sufentanil-D5	392.2 -> 238...	6.404	1912672					
Desipramine	267.2 -> 72.3	12/5/2018 1:43 PM	6.236	435102	164.26	1	267.2 -> 44.3	2195...	540.29	1	Desipramine-D3	270.2 -> 75.3	6.236	2675169					
Doxepin	280.2 -> 107...	12/5/2018 1:43 PM	6.071	109619	1005.09	1	280.2 -> 77.2	67350	13.21	1	Doxepin-D3	283.2 -> 107...	6.050	388069					
Estazolam	295.1 -> 267...	12/5/2018 1:43 PM	6.313	146270	Infinity	1	295.1 -> 205...	74527	145.65	1	Estazolam-D5	300.1 -> 272...	6.311	977730					
Flunitrazepam	314.1 -> 268...	12/5/2018 1:43 PM	6.370	143317	74.94	1	314.1 -> 239...	46260	73.81	1	Flunitrazepam-D7	321.1 -> 245...	6.370	61668					
Flurazepam	388.2 -> 315...	12/5/2018 1:43 PM	6.121	295053	65796.97	1	388.2 -> 317...	48574	890.93	1	Zopiclone-D4	393.1 -> 244...	6.181	124456					
Imipramine	281.2 -> 86.2	12/5/2018 1:43 PM	6.273	504925	27224.04	1	281.2 -> 58.3	3190...	44.80	1	Imipramine-D3	284.2 -> 61.3	6.252	1877676					
Levamisole	205.1 -> 91.2	12/5/2018 1:43 PM	5.349	91867	10.68	1	205.1 -> 178...	74526	13334...	1	MDMA-D6	200.2 -> 166...	5.126	49136					
Maprotiline	278.2 -> 91.2	12/5/2018 1:43 PM	5.929	276417	Infinity	1	278.2 -> 117...	1614	+ 13	1	Meperidine-D4	252.2 -> 224...	5.608	467776					
MDA	180.1 -> 163...	12/5/2018 1:43 PM	5.026	104395	18.13	1	180.1 -> 105...	43358	12.01	1	MDA-D5	185.1 -> 168...	5.026	325813					
MDEA	208.1 -> 163...	12/5/2018 1:43 PM	5.267	168267	Infinity	1	208.1 -> 105...	87762	Infinity	1	MDEA-D6	214.2 -> 166...	5.267	616190					
MDMA	194.1 -> 163...	12/5/2018 1:43 PM	5.126	184668	201.86	1	194.1 -> 105...	80382	71.14	1	MDMA-D6	200.2 -> 166...	5.126	49136					
Meperidine	248.2 -> 220...	12/5/2018 1:43 PM	5.628	99005	44835.11	1	248.2 -> 174...	67157	304.29	1	Meperidine-D4	252.2 -> 224...	5.608	467776					
Methylphenidate	234.2 -> 84.2	12/5/2018 1:43 PM	5.528	397938	Infinity	1	234.2 -> 56.3	87639	Infinity	1	Meperidine-D4	252.2 -> 224...	5.608	467776					
Midazolam	326.1 -> 223...	12/5/2018 1:43 PM	6.551	57662	97.49	1	326.1 -> 249...	75983	9115.87	1	Midazolam-D4	330.1 -> 295...	6.530	856254					
Normeperidine	234.1 -> 42.3	12/5/2018 1:43 PM	5.549	99786	64.21	1	234.1 -> 160...	42432	96.06	1	Normeperidine-D4	238.2 -> 164...	5.547	467195					
Nortriptyline	264.2 -> 91.2	12/5/2018 1:43 PM	6.277	128428	31.41	1	264.2 -> 233...	65344	Infinity	1	Nortriptyline-D3	267.2 -> 233...	6.276	547186					
Phenazepam	349.0 -> 206...	12/5/2018 1:43 PM	6.446	38983	95.96	1	349.0 -> 183...	32538	62.98	1	Phenazepam-D4	353.0 -> 183...	6.426	219096					
Phencyclidine	244.2 -> 86.2	12/5/2018 1:43 PM	5.811	93569	Infinity	1	244.2 -> 91.1	1355...	37.84	1	Phencyclidine-D5	249.2 -> 86.2	5.810	827278					
Phenytol	253.1 -> 104...	12/5/2018 1:43 PM	5.953	2529	5.22	1	253.1 -> 182...	851	255.26	1	Phenytol-D10	263.2 -> 192...	5.973	12067					
Pseudoephedrine	166.1 -> 148...	12/5/2018 1:43 PM	4.624	2673863	184.36	1	166.1 -> 133...	5536...	659.00	1	Pseudoephedrine-D3	169.1 -> 151...	4.624	10596488					
Tapentadol	222.2 -> 107...	12/5/2018 1:43 PM	5.428	192260	127.86	1	222.2 -> 121...	77571	39.51	1	Tapentadol-D3	225.2 -> 107...	5.428	762080					
Zaleplon	306.1 -> 236...	12/5/2018 1:43 PM	6.168	120365	398.15	1	306.1 -> 264...	1280...	384.68	1	Zaleplon-D4	310.2 -> 240...	6.148	433460					
Zopiclone	389.1 -> 244...	12/5/2018 1:43 PM	6.202	40650	7193.47	1	389.1 -> 216...	12831	105.41	1	Zopiclone-D4	393.1 -> 244...	6.181	124456					

Compound Method			p2 external control			p2 external control Results			Qualifier 1 M...			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...	12/5/2018 2:22 P...					284.1 -> 93.2				7-aminoflunitrazepam-D7	291.2 -> 138...	5.602	713645		
alpha-hydroxymidazolam	342.1 -> 324...	12/5/2018 2:22 P...					342.1 -> 203...				alpha-hydroxymidazolam-	346.1 -> 328...	6.366	629987		
Amitriptyline	278.2 -> 91.2	12/5/2018 2:22 P...					278.2 -> 105...				Amitriptyline-D3	281.2 -> 91.2	6.293	841721		
Acetyl Fentanyl	323.2 -> 105...	12/5/2018 2:22 P...					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	5.881	1739817		
Acetyl Norfentanyl	219.1 -> 84.2	12/5/2018 2:22 P...					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.816	695620		
Carbamazepine	237.1 -> 193...	12/5/2018 2:22 P...					237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	6.057	2026844		
Chlordiazepoxide	300.1 -> 227...	12/5/2018 2:22 P...					300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.534	1102723		
Sufentanil	387.2 -> 238...	12/5/2018 2:22 P...					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.404	1960882		
Desipramine	267.2 -> 72.3	12/5/2018 2:22 P...					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.236	2995445		
Doxepin	280.2 -> 107...	12/5/2018 2:22 P...					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.050	351645		
Estazolam	295.1 -> 267...	12/5/2018 2:22 P...					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.311	990794		
Flunitrazepam	314.1 -> 268...	12/5/2018 2:22 P...					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.349	64990		
Flurazepam	388.2 -> 315...	12/5/2018 2:22 P...					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.201	100235		
Imipramine	281.2 -> 86.2	12/5/2018 2:22 P...					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.252	1937968		
Levamisole	205.1 -> 91.2	12/5/2018 2:22 P...					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.085	58384		
Maprotiline	278.2 -> 91.2	12/5/2018 2:22 P...					278.2 -> 117...				Meperidine-D4	252.2 -> 224...	5.587	492763		
MDA	180.1 -> 163...	12/5/2018 2:22 P...					180.1 -> 105...				MDA-D5	185.1 -> 168...	4.985	377301		
MDEA	208.1 -> 163...	12/5/2018 2:22 P...					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.225	646285		
MDMA	194.1 -> 163...	12/5/2018 2:22 P...					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.085	58384		
Meperidine	248.2 -> 220...	12/5/2018 2:22 P...	5.588	1048292	466.98		248.2 -> 174...	7289...	136.11		Meperidine-D4	252.2 -> 224...	5.587	492763		
Methylphenidate	234.2 -> 84.2	12/5/2018 2:22 P...					234.2 -> 56.3				Meperidine-D4	252.2 -> 224...	5.587	492763		
Midazolam	326.1 -> 223...	12/5/2018 2:22 P...					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.550	852114		
Normeperidine	234.1 -> 42.3	12/5/2018 2:22 P...		32461	86.42		234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.527	576329		
Nortriptyline	264.2 -> 91.2	12/5/2018 2:22 P...					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.276	599680		
Phenazepam	349.0 -> 206...	12/5/2018 2:22 P...					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.426	203791		
Phencyclidine	244.2 -> 86.2	12/5/2018 2:22 P...					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	5.790	872267		
Phenytol	253.1 -> 104...	12/5/2018 2:22 P...					253.1 -> 182...				Phenytol-D10	263.2 -> 192...	5.932	15377		
Pseudoephedrine	166.1 -> 148...	12/5/2018 2:22 P...					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.563	143523		
Tapentadol	222.2 -> 107...	12/5/2018 2:22 P...					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.387	764080		
Zaleplon	306.1 -> 236...	12/5/2018 2:22 P...					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.148	462536		
Zopiclone	389.1 -> 244...	12/5/2018 2:22 P...					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.201	100235		

Compound Method			p2 negative			p2 negative Results			Qualifier 1 M...			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...	12/5/2018 2:02 PM					284.1 -> 93.2				7-aminoflunitrazepam-D7	291.2 -> 138...	5.622	782082		
alpha-hydroxymidazolam	342.1 -> 324...	12/5/2018 2:02 PM					342.1 -> 203...				alpha-hydroxymidazolam...	346.1 -> 328...	6.386	679139		
Amitriptyline	278.2 -> 91.2	12/5/2018 2:02 PM					278.2 -> 105...				Amitriptyline-D3	281.2 -> 91.2	6.293	984709		
Acetyl Fentanyl	323.2 -> 105...	12/5/2018 2:02 PM					323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	5.881	1999332		
Acetyl Norfentanyl	219.1 -> 84.2	12/5/2018 2:02 PM					219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.836	751016		
Carbamazepine	237.1 -> 193...	12/5/2018 2:02 PM					237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	6.057	2292230		
Chlordiazepoxide	300.1 -> 227...	12/5/2018 2:02 PM					300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	6.534	1258792		
Sufentanil	387.2 -> 238...	12/5/2018 2:02 PM					387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	6.404	2160291		
Desipramine	267.2 -> 72.3	12/5/2018 2:02 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.236	3330524		
Doxepin	280.2 -> 107...	12/5/2018 2:02 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	6.070	4206600		
Estazolam	295.1 -> 267...	12/5/2018 2:02 PM					295.1 -> 205...				Estazolam-D5	300.1 -> 272...	6.311	1119068		
Flunitrazepam	314.1 -> 268...	12/5/2018 2:02 PM					314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	6.349	66841		
Flurazepam	388.2 -> 315...	12/5/2018 2:02 PM					388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	6.181	141940		
Imipramine	281.2 -> 86.2	12/5/2018 2:02 PM					281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	6.273	2198480		
Levamisole	205.1 -> 91.2	12/5/2018 2:02 PM					205.1 -> 178...				MDMA-D6	200.2 -> 166...	5.105	61704		
Maprotiline	278.2 -> 91.2	12/5/2018 2:02 PM					278.2 -> 117...				Meperidine-D4	252.2 -> 224...	5.587	543013		
MDA	180.1 -> 163...	12/5/2018 2:02 PM					180.1 -> 105...				MDA-D5	185.1 -> 168...	4.985	392848		
MDEA	208.1 -> 163...	12/5/2018 2:02 PM					208.1 -> 105...				MDEA-D6	214.2 -> 166...	5.245	729834		
MDMA	194.1 -> 163...	12/5/2018 2:02 PM					194.1 -> 105...				MDMA-D6	200.2 -> 166...	5.105	61704		
Meperidine	248.2 -> 220...	12/5/2018 2:02 PM					248.2 -> 174...				Meperidine-D4	252.2 -> 224...	5.587	543013		
Methylphenidate	234.2 -> 84.2	12/5/2018 2:02 PM					234.2 -> 56.3				Meperidine-D4	252.2 -> 224...	5.587	543013		
Midazolam	326.1 -> 223...	12/5/2018 2:02 PM					326.1 -> 249...				Midazolam-D4	330.1 -> 295...	6.550	951741		
Normeperidine	234.1 -> 42.3	12/5/2018 2:02 PM					234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	5.547	603083		
Nortriptyline	264.2 -> 91.2	12/5/2018 2:02 PM					264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	6.276	626946		
Phenazepam	349.0 -> 206...	12/5/2018 2:02 PM					349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	6.426	225118		
Phencyclidine	244.2 -> 86.2	12/5/2018 2:02 PM					244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	5.790	959437		
Phenytol	253.1 -> 104...	12/5/2018 2:02 PM					253.1 -> 182...				Phenytol-D10	263.2 -> 192...	5.952	13383		
Pseudoephedrine	166.1 -> 148...	12/5/2018 2:02 PM					166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	4.584	135252...		
Tapentadol	222.2 -> 107...	12/5/2018 2:02 PM					222.2 -> 121...				Tapentadol-D3	225.2 -> 107...	5.407	848353		
Zaleplon	306.1 -> 236...	12/5/2018 2:02 PM					306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	6.148	500624		
Zopiclone	389.1 -> 244...	12/5/2018 2:02 PM					389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	6.181	141940		