

Worklist: 1984

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2017-4124	1	98897	AM 25 Blood Multi-Drug Screer	
M2017-4204	1	98898	AM 25 Blood Multi-Drug Screer	
M2017-4214	1	98899	AM 25 Blood Multi-Drug Screer	
M2017-4215	1	98900	AM 25 Blood Multi-Drug Screer	
M2017-4216	1	98931	AM 25 Blood Multi-Drug Screer	
M2017-4244	1	98901	AM 25 Blood Multi-Drug Screer	
M2017-4273	1	98902	AM 25 Blood Multi-Drug Screer	
P2017-2273	1	98903	AM 25 Blood Multi-Drug Screer	
P2017-2286	1	98904	AM 25 Blood Multi-Drug Screer	
P2017-2287	1	98905	AM 25 Blood Multi-Drug Screer	
P2017-2288	1	98906	AM 25 Blood Multi-Drug Screer	
P2017-2307	1	98907	AM 25 Blood Multi-Drug Screer	
P2017-2318	1	98908	AM 25 Blood Multi-Drug Screer	
P2017-2333	1	98909	AM 25 Blood Multi-Drug Screer	
P2017-2334	1	98910	AM 25 Blood Multi-Drug Screer	
P2017-2356	1	98911	AM 25 Blood Multi-Drug Screer	
P2017-2367	1	98914	AM 25 Blood Multi-Drug Screer	
P2017-2368	1	98915	AM 25 Blood Multi-Drug Screer	
P2017-2384	1	98918	AM 25 Blood Multi-Drug Screer	
P2017-2394	1	98919	AM 25 Blood Multi-Drug Screer	
P2017-2395	1	98922	AM 25 Blood Multi-Drug Screer	
P2017-2396	1	98923	AM 25 Blood Multi-Drug Screer	
P2017-2402	1	98926	AM 25 Blood Multi-Drug Screer	

TS

Worklist: 1984

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2017-2460	1	98927	AM 25 Blood Multi-Drug Screer
P2017-2478	1	98930	AM 25 Blood Multi-Drug Screer



Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date: 11/15/17

Analyst: Tamara Salazar

Plate lot#: 0495940

Plate Expiration: 12/12/17

Mobile phase A: 10mM Ammonium Formate
0.5M Ammonium HydroxideMobile phase B 0.1% Formic acid in MeOH
Ethyl Acetate

Blank Blood Lot: 361331-3

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

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: 112017 TS MD Screen.wkl

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette 250µL blood (calibrated pipette) Pipette ID: ~~067106~~⁴⁴⁻⁷³ in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID067105
- 4. Pipette 250µL 0.5M ammonium hydroxide buffer 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. 4 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
Wait 5 minutes
- 8. Add 900µL ethyl acetate and allow to flow for 5 minutes under gravity.
- 9. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left)
- 10. Add 900µL ethyl acetate and allow to flow for 5 minutes under gravity.
- 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left)
- 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID067103
- 13. Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

POST- ANALYTIC C:\MassHunter\Data\2017\MD Screen\112017 TS MD Screen

- 1. Create batch and process data.
Worklist path: _____ Batch Name: 112017 MD Screen TS P1. batch. bin
112017 MD Screen TS P2. batch. bin
- 2. 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. > 1/5 the response of administrative control.
- 3. Did all QCs pass for each analyte? (Y)N _____
- 4. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

TS

Multidrug Screen External Control Preparation Information

Lot 053117

Drug	Lot	Expiration date
Temazepam	Cerilliant FE08191401	October 2019
Quetiapine	Cerilliant FN02021502	February 2020
Zolpidem	Cerilliant FE12181402	February 2020
Zopiclone	Cerilliant FE12031501	December 2020

Ext. Control

100ul of 1mg/mL stock was added for each drug to 9960ul of LC MeOH (BDH Lot 15H250514). 100ul of the working solution was added to 9900ul of blood (Hemostat Lot 361331-3).

↳ W5092517 Created: 09/25/17 By: TS
Expires: 03/25/18



Compound Method			p1 cal 1a			p1 cal 1a Results			ISTD Method			
Name	Transition	Pgs.	Acq. Date-Time	RT	Resp.	S/N	Transition	Qualifier	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	P2-B1	11/20/2017 12:02 PM	4.534	1415	639.80	328.2 -> 211...	Infinity	6-MAM-D6	334.2 -> 165...	4.533	38357
7-Aminoclonazepam	286.1 -> 121...	P2-B1	11/20/2017 12:02 PM	5.191	19731	9.60	286.1 -> 222...	5.07	7-Aminoclonazepam-D4	290.1 -> 121...	5.190	31114
Acetyl Fentanyl	323.2 -> 105...	P2-B1	11/20/2017 12:02 PM	5.329	6614	2349.34	323.2 -> 188...	1599.62	Acetyl Fentanyl-D5	328.2 -> 105...	5.327	913636
Acetyl Norfentanyl	219.1 -> 84.2	P2-B1	11/20/2017 12:02 PM	4.528	6784	23.74	219.1 -> 56.3	5.52	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.528	327138
a-hydroxylprazolam	325.1 -> 297...	P2-B1	11/20/2017 12:02 PM	5.957	4090	13.61	325.1 -> 215...	7.07	a-hydroxylprazolam-D5	330.1 -> 302...	5.956	18415
alpha-PVP	232.2 -> 91.0	P2-B1	11/20/2017 12:02 PM	5.117	75470	407.52	232.2 -> 77.1	Infinity	alpha-PVP-d8	240.2 -> 91.1	5.116	532783
Alprazolam	309.1 -> 281...	P2-B1	11/20/2017 12:02 PM	6.063	58124	Infinity	309.1 -> 205...	30.95	Alprazolam-D5	314.1 -> 286...	6.042	215794
Amphetamine	136.1 -> 91.1	P2-B1	11/20/2017 12:02 PM	4.470	94584	Infinity	136.1 -> 119...	Infinity	Amphetamine-D11	147.2 -> 130...	4.409	11933
Bupropion	240.1 -> 184...	P2-B1	11/20/2017 12:02 PM	5.299	58774	13372.90	240.1 -> 131...	Infinity	Ketamine-D4	242.1 -> 129...	4.973	428540
Carisoprodol	261.2 -> 176...	P2-B1	11/20/2017 12:02 PM	5.705	2312	9.05	261.2 -> 55.3	Infinity	Carisoprodol-D7	268.2 -> 183...	5.704	39364
Citalopram	325.2 -> 109...	P2-B1	11/20/2017 12:02 PM	5.572	134961	56965.09	325.2 -> 262...	18.57	Citalopram-D6	331.2 -> 109...	5.570	385244
Clonazepam	316.1 -> 269...	P2-B1	11/20/2017 12:02 PM	5.899	6737	1438.62	316.1 -> 213...	353.43	Clonazepam-D4	320.1 -> 217...	5.899	9554
Codeine	300.2 -> 215...	P2-B1	11/20/2017 12:02 PM	4.417	6454	727.81	300.2 -> 165...	6.46	Codeine-D6	306.2 -> 218...	4.394	34958
Cyclobenzaprine	276.2 -> 214...	P2-B1	11/20/2017 12:02 PM	5.805	46756	727.81	276.2 -> 231...	105.69	Cyclobenzaprine-D3	279.2 -> 215...	5.783	320875
Dextromethorphan	272.2 -> 171...	P2-B1	11/20/2017 12:02 PM	5.582	76484	14336.02	272.2 -> 147...	19738...	Dextromethorphan-D3	275.2 -> 171...	5.581	196654
Dextropropfan	258.2 -> 157...	P2-B1	11/20/2017 12:02 PM	5.012	60764	127.09	258.2 -> 133...	10765...	Dextropropfan-D3	261.2 -> 157...	5.012	226938
Diazepam	285.1 -> 193...	P2-B1	11/20/2017 12:02 PM	6.290	27367	35.81	285.1 -> 153...	Infinity	Diazepam-D5	290.1 -> 198...	6.269	119267
Dihydrocodeine	302.2 -> 198...	P2-B1	11/20/2017 12:02 PM	4.395	17619	11.91	302.2 -> 128...	403.15	Dihydrocodeine-D6	308.2 -> 202...	4.374	118660
Diphenhydramine	256.2 -> 167...	P2-B1	11/20/2017 12:02 PM	5.543	113449	Infinity	256.2 -> 152...	158.03	Diphenhydramine-D3	259.2 -> 167...	5.543	976736
Doxylamine	271.2 -> 182...	P2-B1	11/20/2017 12:02 PM	5.235	94436	1130.99	271.2 -> 167...	33663...	Doxylamine-D5	276.2 -> 187...	5.213	218839
EDDP	279.2 -> 235...	P2-B1	11/20/2017 12:02 PM	5.600	174917	21.62	279.2 -> 250...	18518...	EDDP-D3	282.2 -> 235...	5.580	81017
Fentanyl	337.2 -> 105...	P2-B1	11/20/2017 12:02 PM	5.529	8193	1443.05	337.2 -> 188...	4237.61	Fentanyl-D5	342.3 -> 105...	5.509	676685
Fluoxetine	310.2 -> 44.3	P2-B1	11/20/2017 12:02 PM	5.778	211000	37.82	310.1 -> 148...	31.84	Fluoxetine-D6	316.2 -> 44.3	5.777	783377
Hydrocodone	300.2 -> 198...	P2-B1	11/20/2017 12:02 PM	4.619	21281	Infinity	300.2 -> 128...	29.45	Hydrocodone-D6	306.2 -> 202...	4.617	134075
Hydromorphone	286.2 -> 184...	P2-B1	11/20/2017 12:02 PM	4.016	18006	16.82	286.2 -> 157...	Infinity	Hydromorphone-D6	292.2 -> 185...	3.995	89427
Ketamine	238.1 -> 125...	P2-B1	11/20/2017 12:02 PM	4.994	103347	35.53	238.1 -> 220...	Infinity	Ketamine-D4	242.1 -> 129...	4.973	428540
Meperbromate	219.1 -> 158...	P2-B1	11/20/2017 12:02 PM	5.260	5618	1177.40	219.1 -> 97.1	6.58	Carisoprodol-D7	268.2 -> 183...	5.704	39364
Methadone	310.2 -> 265...	P2-B1	11/20/2017 12:02 PM	5.839	168417	896.57	310.2 -> 105...	38083...	Methadone-D9	319.3 -> 268...	5.837	569960
Methamphetamine	150.1 -> 91.1	P2-B1	11/20/2017 12:02 PM	4.591	64877	Infinity	150.1 -> 119...	Infinity	Methamphetamine-D11	161.2 -> 97.1	4.590	125347
Morphine	286.2 -> 201...	P2-B1	11/20/2017 12:02 PM	3.736	6087	87.03	286.2 -> 165...	Infinity	Morphine-D6	292.2 -> 152...	3.995	17503
Naloxone	328.2 -> 309...	P2-B1	11/20/2017 12:02 PM	4.392	28623	26.93	328.2 -> 211...	Infinity	Naloxone-D3	347.2 -> 329...	4.573	167007
Naltrexol	344.2 -> 326...	P2-B1	11/20/2017 12:02 PM	4.573	90132	Infinity	344.2 -> 308...	421.81	Naltrexol-D3	347.2 -> 329...	4.573	167007
Naltrexone	442.3 -> 324...	P2-B1	11/20/2017 12:02 PM	4.513	30427	471.80	342.2 -> 55.3	1240.20	Naltrexol-D3	347.2 -> 329...	4.573	167007
Norbuprenorphine	414.3 -> 101...	P2-B1	11/20/2017 12:02 PM	5.384	1124	171.80	414.3 -> 57.3	Infinity	Norbuprenorphine-D3	417.3 -> 101...	5.364	5328
Norfentanyl	271.1 -> 140...	P2-B1	11/20/2017 12:02 PM	6.131	12647	Infinity	271.1 -> 208...	Infinity	Norfentanyl-D5	276.1 -> 140...	6.110	26785
Norhydrocodone	233.2 -> 84.2	P2-B1	11/20/2017 12:02 PM	4.954	131620	32942.33	233.2 -> 55.3	25.84	Norhydrocodone-D3	238.2 -> 84.2	4.953	558520
Noroxycodone	286.2 -> 189...	P2-B1	11/20/2017 12:02 PM	4.601	3638	12.07	286.2 -> 171...	Infinity	Noroxycodone-D3	289.2 -> 202...	4.580	41599
O-desmethyl-tramadol	302.1 -> 284...	P2-B1	11/20/2017 12:02 PM	4.537	14372	Infinity	302.1 -> 186...	Infinity	O-desmethyl-tramadol...	305.2 -> 287...	4.516	86920
Oxazepam	250.2 -> 58.3	P2-B1	11/20/2017 12:02 PM	4.566	202871	Infinity	250.2 -> 42.3	Infinity	Oxazepam-D5	256.2 -> 64.3	4.566	610796
Oxycodone	287.1 -> 240...	P2-B1	11/20/2017 12:02 PM	5.944	4034	628.02	287.1 -> 268...	Infinity	Oxycodone-D6	292.1 -> 246...	5.943	22731
Oxymorphone	302.1 -> 284...	P2-B1	11/20/2017 12:02 PM	3.850	71392	31.61	302.1 -> 227...	Infinity	Oxymorphone-D3	305.2 -> 304...	4.555	104598
Phentermine	150.1 -> 65.2	P2-B1	11/20/2017 12:02 PM	4.753	14700	Infinity	150.1 -> 133...	Infinity	Phentermine-D5	155.2 -> 96.2	4.753	272072
Promethazine	285.1 -> 86.2	P2-B1	11/20/2017 12:02 PM	5.762	204823	33.07	285.1 -> 71.3	24.94	Promethazine-D3	288.2 -> 89.2	5.761	836731
Quetiapine	384.2 -> 253...	P2-B1	11/20/2017 12:02 PM	5.731	143773	32282.10	384.2 -> 221...	24834...	Quetiapine-D8	392.2 -> 226...	5.710	159376
Sertraline	306.1 -> 158...	P2-B1	11/20/2017 12:02 PM	5.983	103560	341.02	306.1 -> 275...	17.95	Sertraline-D3	309.1 -> 275...	5.982	301449
Sufentanil	387.2 -> 238...	P2-B1	11/20/2017 12:02 PM	5.730	4323	2075.08	387.2 -> 111...	3779.16	Sufentanil-D5	392.2 -> 238...	5.730	200422

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Compound Method		p1 cal 1a			p1 cal 1a Results			ISTD Method			ISTD Results		
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.
Temazepam	301.1 -> 255...	P2-B1	11/20/2017 12:02 PM	6.105	30435	Infinity	301.1 -> 283...	212.34	Infinity	Temazepam-D5	306.1 -> 260...	6.084	195638
Tramadol	264.2 -> 58.3	P2-B1	11/20/2017 12:02 PM	5.052	257841	Infinity	264.2 -> 43.3	Infinity	Infinity	Tramadol-13C-D3	268.2 -> 58.3	5.031	981331
Trazodone	372.2 -> 176...	P2-B1	11/20/2017 12:02 PM	5.630	159976	81615.03	372.2 -> 148...	52476...	Infinity	Sufentanil-D5	392.2 -> 238...	5.730	200422
Venlafaxine	278.2 -> 58.3	P2-B1	11/20/2017 12:02 PM	5.356	218160	Infinity	278.2 -> 260...	1729.37	Infinity	Venlafaxine-D6	284.2 -> 64.3	5.355	510191
Zolpidem	308.2 -> 235...	P2-B1	11/20/2017 12:02 PM	5.414	129910	1065.46	308.2 -> 263...	375.71	Infinity	Zolpidem-D6	314.2 -> 235...	5.413	10271...

Compound Method				p1 negative				p1 negative Results				ISTD Method			
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Transition	S/N	Qualif.	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	P2-F4	11/20/2017 12:21 PM					328.2 -> 211...			6-MAM-D6	334.2 -> 165...	4.533	43292	
7-Aminoclonazepam	286.1 -> 121...	P2-F4	11/20/2017 12:21 PM	5.191	330	42.11	286.1 -> 222...	2.48			7-Aminoclonazepam-D4	290.1 -> 121...	5.170	47708	
Acetyl Fentanyl	323.2 -> 105...	P2-F4	11/20/2017 12:21 PM	5.349	103	1.50	323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	5.307	10418...	
Acetyl Norfentanyl	219.1 -> 84.2	P2-F4	11/20/2017 12:21 PM				219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.508	353415	
a-hydroxylprazolam	325.1 -> 297...	P2-F4	11/20/2017 12:21 PM				325.1 -> 215...				a-hydroxylprazolam-D5	330.1 -> 302...	5.956	23124	
alpha-PVP	232.2 -> 91.0	P2-F4	11/20/2017 12:21 PM	5.137	132	102.81	232.2 -> 77.1	1.08			alpha-PVP-d8	240.2 -> 91.1	5.095	576794	
Alprazolam	309.1 -> 281...	P2-F4	11/20/2017 12:21 PM	5.880	1486	32.83	309.1 -> 205...	1.62			Alprazolam-D5	314.1 -> 286...	6.042	284652	
Amphetamine	136.1 -> 91.1	P2-F4	11/20/2017 12:21 PM				136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	4.409	15784	
Bupropion	240.1 -> 184...	P2-F4	11/20/2017 12:21 PM				240.1 -> 131...				Ketamine-D4	242.1 -> 129...	4.973	459614	
Carisoprodol	261.2 -> 176...	P2-F4	11/20/2017 12:21 PM				261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	5.684	40454	
Citalopram	325.2 -> 109...	P2-F4	11/20/2017 12:21 PM	5.612	404	1.11	325.2 -> 262...				Citalopram-D6	331.2 -> 109...	5.550	558134	
Clonazepam	316.1 -> 269...	P2-F4	11/20/2017 12:21 PM				316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	5.899	9322	
Codeine	300.2 -> 215...	P2-F4	11/20/2017 12:21 PM				300.2 -> 165...				Codeine-D6	306.2 -> 218...	4.394	46057	
Cyclobenzaprine	276.2 -> 214...	P2-F4	11/20/2017 12:21 PM	5.784	152	0.91	276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	5.783	369660	
Dextromethorphan	272.2 -> 171...	P2-F4	11/20/2017 12:21 PM	5.602	249	1.81	272.2 -> 147...	0.51			Dextromethorphan-D3	275.2 -> 171...	5.561	239773	
Dextropropphan	258.2 -> 157...	P2-F4	11/20/2017 12:21 PM				258.2 -> 133...				Dextropropphan-D3	261.2 -> 157...	4.991	257004	
Diazepam	285.1 -> 193...	P2-F4	11/20/2017 12:21 PM				285.1 -> 153...				Diazepam-D5	290.1 -> 198...	6.269	163617	
Dihydrocodeine	302.2 -> 198...	P2-F4	11/20/2017 12:21 PM				302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	4.354	130361	
Diphenhydramine	256.2 -> 167...	P2-F4	11/20/2017 12:21 PM				256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	5.522	11318...	
Doxylamine	271.2 -> 182...	P2-F4	11/20/2017 12:21 PM	5.194	170	1.80	271.2 -> 167...	212.67			Doxylamine-D5	276.2 -> 187...	5.213	255014	
EDDP	279.2 -> 235...	P2-F4	11/20/2017 12:21 PM				279.2 -> 250...				EDDP-D3	282.2 -> 235...	5.580	70679	
Fentanyl	337.2 -> 105...	P2-F4	11/20/2017 12:21 PM				337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	5.509	727038	
Fluoxetine	310.1 -> 44.3	P2-F4	11/20/2017 12:21 PM	5.798	1027	126.21	310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	5.577	10582...	
Hydrocodone	300.2 -> 198...	P2-F4	11/20/2017 12:21 PM				300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	4.597	157294	
Hydromorphone	286.2 -> 184...	P2-F4	11/20/2017 12:21 PM				286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	3.995	107721	
Ketamine	238.1 -> 125...	P2-F4	11/20/2017 12:21 PM	4.933	2323	14.84	238.1 -> 220...	0.78			Ketamine-D4	242.1 -> 129...	4.973	459614	
Meperbromate	219.1 -> 158...	P2-F4	11/20/2017 12:21 PM				219.1 -> 97.1				Carisoprodol-D7	268.2 -> 183...	5.684	40454	
Methadone	310.2 -> 265...	P2-F4	11/20/2017 12:21 PM	5.880	826	1.45	310.2 -> 105...	0.82			Methadone-D9	319.3 -> 268...	5.817	644604	
Methamphetamine	150.1 -> 91.1	P2-F4	11/20/2017 12:21 PM	4.631	18476	Infinity	150.1 -> 119...				Methamphetamine-D11	161.2 -> 97.1	4.570	168954	
Morphine	286.2 -> 201...	P2-F4	11/20/2017 12:21 PM				286.2 -> 165...				Morphine-D6	292.2 -> 152...	3.995	19603	
Naloxone	328.2 -> 309...	P2-F4	11/20/2017 12:21 PM				328.2 -> 211...				Naltrexol-D3	347.2 -> 329...	4.552	189014	
Naltrexol	344.2 -> 326...	P2-F4	11/20/2017 12:21 PM	4.492	4901	2271.86	344.2 -> 308...				Naltrexol-D3	347.2 -> 329...	4.552	189014	
Naltrexone	342.2 -> 324...	P2-F4	11/20/2017 12:21 PM				342.2 -> 55.3				Naltrexol-D3	347.2 -> 329...	4.552	189014	
Norbuprenorphine	414.3 -> 101...	P2-F4	11/20/2017 12:21 PM				414.3 -> 57.3				Naltrexol-D3	347.2 -> 329...	4.552	189014	
Nordiazepam	271.1 -> 140...	P2-F4	11/20/2017 12:21 PM	6.152	55	0.55	271.1 -> 208...				Norbuprenorphine-D3	417.3 -> 101...	5.364	5926	
Norfentanyl	233.2 -> 84.2	P2-F4	11/20/2017 12:21 PM				233.2 -> 55.3				Nordiazepam-D5	276.1 -> 140...	6.110	30203	
Norhydrocodone	286.2 -> 199...	P2-F4	11/20/2017 12:21 PM				286.2 -> 171...				Norfentanyl-D5	278.2 -> 84.2	4.933	684683	
Noroxycodone	302.1 -> 284...	P2-F4	11/20/2017 12:21 PM				302.1 -> 186...				Norhydrocodone-D3	289.2 -> 202...	4.580	40184	
O-desmethyl-tramadol	250.2 -> 58.3	P2-F4	11/20/2017 12:21 PM	4.566	1682	2.63	250.2 -> 42.3				Noroxycodone-D3	305.2 -> 287...	4.516	107421	
Oxazepam	287.1 -> 240...	P2-F4	11/20/2017 12:21 PM				287.1 -> 268...				O-desmethyl-tramadol-...	256.2 -> 64.3	4.545	705253	
Oxycodone	316.2 -> 298...	P2-F4	11/20/2017 12:21 PM	4.595	151	Infinity	316.2 -> 241...				Oxazepam-D5	292.1 -> 246...	5.943	29239	
Oxymorphone	302.1 -> 284...	P2-F4	11/20/2017 12:21 PM	3.830	183	1.61	302.1 -> 227...	0.48			Oxycodone-D6	322.2 -> 304...	4.535	144588	
Phentemine	150.1 -> 65.2	P2-F4	11/20/2017 12:21 PM	4.753	2238	Infinity	150.1 -> 133...				Oxymorphone-D3	305.2 -> 287...	3.827	352081	
Promethazine	285.1 -> 86.2	P2-F4	11/20/2017 12:21 PM	5.741	781	276.92	285.1 -> 71.3				Phentemine-D5	155.2 -> 96.2	4.733	346738	
Quetiapine	384.2 -> 253...	P2-F4	11/20/2017 12:21 PM	5.853	730	Infinity	384.2 -> 221...	2.91			Promethazine-D3	288.2 -> 89.2	5.761	874475	
Sepraline	306.1 -> 158...	P2-F4	11/20/2017 12:21 PM				306.1 -> 275...				Quetiapine-D8	392.2 -> 226...	5.710	198696	
Sufentanil	387.2 -> 238...	P2-F4	11/20/2017 12:21 PM	5.710	852	178.98	387.2 -> 111...				Sepraline-D3	309.1 -> 275...	5.982	369705	
											Sufentanil-D5	392.2 -> 238...	5.710	234398	

Compound Method		p1 negative			p1 negative Results			ISTD Method			ISTD Results	
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Qualif...	Name	Transition	RT	Resp.
Temazepam	301.1 -> 255...	P2-F4	11/20/2017 12:21 PM	5.031	6410	Infinity	301.1 -> 283...		Temazepam-D5	306.1 -> 260...	6.084	249438
Tramadol	264.2 -> 58.3	P2-F4	11/20/2017 12:21 PM	5.630	999	1.64	264.2 -> 43.3		Tramadol-13C-D3	268.2 -> 58.3	5.031	12969...
Trazodone	372.2 -> 176...	P2-F4	11/20/2017 12:21 PM	5.630	999	1.64	372.2 -> 148...	1.09	Sufentanil-D5	392.2 -> 238...	5.710	234398
Venlafaxine	278.2 -> 58.3	P2-F4	11/20/2017 12:21 PM	5.315	128	2.86	278.2 -> 260...	1.36	Venlafaxine-D6	284.2 -> 64.3	5.334	517494
Zolpidem	308.2 -> 235...	P2-F4	11/20/2017 12:21 PM	5.475	233	6.83	308.2 -> 263...		Zolpidem-D6	314.2 -> 235...	5.392	967409

Compound Method				p1 external control				p1 external control Results				ISTD Method			
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.		
6-MAM	328.2 -> 165...	P2-G4	11/20/2017 12:41 PM	4.493	301	2.24	328.2 -> 211...	3.71		6-MAM-D6	334.2 -> 165...	4.513	40977		
7-Aminoclozapepam	286.1 -> 121...	P2-G4	11/20/2017 12:41 PM	5.232	53	34.21	286.1 -> 222...			7-Aminoclozapepam-D4	290.1 -> 121...	5.170	45743		
Acetyl Fentanyl	323.2 -> 105...	P2-G4	11/20/2017 12:41 PM				323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	5.327	10107...		
Acetyl Norfentanyl	219.1 -> 84.2	P2-G4	11/20/2017 12:41 PM				219.1 -> 56.3			Acetyl Norfentanyl-D5	224.2 -> 84.2	4.508	340040		
a-hydroxyalprazolam	325.1 -> 297...	P2-G4	11/20/2017 12:41 PM				325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	5.956	32431		
alpha-PVP	232.2 -> 91.0	P2-G4	11/20/2017 12:41 PM				232.2 -> 77.1			alpha-PVP-D8	240.2 -> 91.1	5.116	493799		
Alprazolam	309.1 -> 281...	P2-G4	11/20/2017 12:41 PM	5.880	1437	4.94	309.1 -> 205...	0.79		Alprazolam-D5	314.1 -> 286...	6.042	264697		
Amphetamine	136.1 -> 91.1	P2-G4	11/20/2017 12:41 PM				136.1 -> 119...			Amphetamine-D11	147.2 -> 130...	4.409	17862		
Bupropion	240.1 -> 184...	P2-G4	11/20/2017 12:41 PM	5.116	79	0.58	240.1 -> 131...	5.00		Ketamine-D4	242.1 -> 129...	4.973	376232		
Carisoprodol	261.2 -> 176...	P2-G4	11/20/2017 12:41 PM				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	5.684	51470		
Citalopram	325.2 -> 109...	P2-G4	11/20/2017 12:41 PM				325.2 -> 262...			Citalopram-D6	331.2 -> 109...	5.550	449054		
Clozapepam	316.1 -> 269...	P2-G4	11/20/2017 12:41 PM				316.1 -> 213...			Clozapepam-D4	320.1 -> 217...	5.899	11768		
Codeine	300.2 -> 215...	P2-G4	11/20/2017 12:41 PM				300.2 -> 165...			Codeine-D6	306.2 -> 218...	4.394	39295		
Cyclobenzaprine	276.2 -> 214...	P2-G4	11/20/2017 12:41 PM	5.805	259	129.92	276.2 -> 231...	0.11		Cyclobenzaprine-D3	279.2 -> 215...	5.783	314345		
Dextromethorphan	272.2 -> 171...	P2-G4	11/20/2017 12:41 PM	5.561	64	25.40	272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	5.581	220269		
Dextrophan	258.2 -> 157...	P2-G4	11/20/2017 12:41 PM				258.2 -> 133...			Dextrophan-D3	261.2 -> 157...	4.991	214714		
Diazepam	285.1 -> 193...	P2-G4	11/20/2017 12:41 PM	6.330	166	83.75	285.1 -> 153...			Diazepam-D5	290.1 -> 198...	6.269	160689		
Dihydrocodeine	302.2 -> 198...	P2-G4	11/20/2017 12:41 PM				302.2 -> 128...			Dihydrocodeine-D6	308.2 -> 202...	4.354	118740		
Diphenhydramine	256.2 -> 167...	P2-G4	11/20/2017 12:41 PM				256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	5.522	10780...		
Doxylamine	271.2 -> 182...	P2-G4	11/20/2017 12:41 PM				271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.213	239310		
EDDP	279.2 -> 235...	P2-G4	11/20/2017 12:41 PM	5.600	90	0.65	279.2 -> 250...			EDDP-D3	282.2 -> 235...	5.580	65103		
Fentanyl	337.2 -> 105...	P2-G4	11/20/2017 12:41 PM				337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	5.509	741816		
Fluoxetine	310.1 -> 44.3	P2-G4	11/20/2017 12:41 PM	5.819	968	Infinity	310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	5.777	10416...		
Hydrocodone	300.2 -> 198...	P2-G4	11/20/2017 12:41 PM				300.2 -> 128...			Hydrocodone-D6	306.2 -> 202...	4.597	152193		
Hydromorphone	286.2 -> 184...	P2-G4	11/20/2017 12:41 PM				286.2 -> 157...			Hydromorphone-D6	292.2 -> 185...	3.995	104800		
Ketamine	238.1 -> 125...	P2-G4	11/20/2017 12:41 PM	5.035	368	Infinity	238.1 -> 220...	2.09		Ketamine-D4	242.1 -> 129...	4.973	376232		
Meproramate	219.1 -> 158...	P2-G4	11/20/2017 12:41 PM				219.1 -> 97.1			Carisoprodol-D7	268.2 -> 183...	5.684	51470		
Methadone	310.2 -> 265...	P2-G4	11/20/2017 12:41 PM	5.818	365	1.23	310.2 -> 105...	2.65		Methadone-D9	319.3 -> 268...	5.837	573408		
Methamphetamine	150.1 -> 91.1	P2-G4	11/20/2017 12:41 PM	4.672	10285	Infinity	150.1 -> 119...			Methamphetamine-D11	161.2 -> 97.1	4.570	154208		
Morphine	286.2 -> 201...	P2-G4	11/20/2017 12:41 PM				286.2 -> 165...			Morphine-D6	292.2 -> 152...	3.995	19404		
Naloxone	328.2 -> 309...	P2-G4	11/20/2017 12:41 PM	4.352	44	25.28	328.2 -> 211...			Naltrexol-D3	347.2 -> 329...	4.552	170231		
Naltrexol	344.2 -> 326...	P2-G4	11/20/2017 12:41 PM	4.492	3832	6.38	344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	4.552	170231		
Naltrexone	342.2 -> 324...	P2-G4	11/20/2017 12:41 PM				342.2 -> 55.3			Naltrexol-D3	347.2 -> 329...	4.552	170231		
Norbuprenorphine	414.3 -> 101...	P2-G4	11/20/2017 12:41 PM	5.466	113	2.23	414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101...	5.364	10730		
Nordiazepam	271.1 -> 140...	P2-G4	11/20/2017 12:41 PM				271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.110	33663		
Norfentanyl	233.2 -> 84.2	P2-G4	11/20/2017 12:41 PM				233.2 -> 55.3			Norfentanyl-D5	288.2 -> 84.2	4.933	616383		
Nortriptyline	286.2 -> 199...	P2-G4	11/20/2017 12:41 PM	4.580	222	3.05	286.2 -> 171...	189.13		Nortriptyline-D3	298.2 -> 202...	4.560	393065		
Noroxycodone	302.1 -> 284...	P2-G4	11/20/2017 12:41 PM	4.436	90	1.14	302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	4.516	93067		
O-desmethyl-tramadol	250.2 -> 58.3	P2-G4	11/20/2017 12:41 PM	4.566	806	1.38	250.2 -> 42.3			O-desmethyl-tramadol-...	256.2 -> 64.3	4.545	586115		
Oxazepam	287.1 -> 240...	P2-G4	11/20/2017 12:41 PM				287.1 -> 268...			Oxazepam-D5	292.1 -> 246...	5.943	37504		
Oxycodone	316.2 -> 298...	P2-G4	11/20/2017 12:41 PM	4.454	975	12.95	316.2 -> 241...			Oxycodone-D6	322.2 -> 304...	4.535	125152		
Oxymorphone	302.1 -> 284...	P2-G4	11/20/2017 12:41 PM	3.911	605	8.20	302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	3.827	340565		
Phentermine	150.1 -> 65.2	P2-G4	11/20/2017 12:41 PM	4.814	104	Infinity	150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	4.733	327969		
Promethazine	285.1 -> 86.2	P2-G4	11/20/2017 12:41 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	5.761	882691		
Quetiapine	384.2 -> 253...	P2-G4	11/20/2017 12:41 PM	5.731	15213...	Infinity	384.2 -> 221...	3719.51		Quetiapine-D8	392.2 -> 226...	5.710	158413		
Seftalene	306.1 -> 158...	P2-G4	11/20/2017 12:41 PM	6.105	41	0.47	306.1 -> 275...			Seftalene-D3	309.1 -> 275...	5.982	341765		
Sufentanil	387.2 -> 238...	P2-G4	11/20/2017 12:41 PM	5.730	542	149.96	387.2 -> 111...	88.08		Sufentanil-D5	392.2 -> 238...	5.710	193391		

Compound Method		p1 external control				p1 external control Results				ISTD Method		ISTD Results	
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M..	Qualifier S/N	Name	Transition	RT	Resp.	
Temazepam	301.1 -> 255...	P2-G4	11/20/2017 12:41 PM	6.105	440970	Infinity	301.1 -> 283..	714.97	Temazepam-D5	306.1 -> 260...	6.084	236946	
Tramadol	264.2 -> 58.3	P2-G4	11/20/2017 12:41 PM	5.031	5876	2507.50	264.2 -> 43.3		Tramadol-13C-D3	268.2 -> 58.3	5.031	12292...	
Trazodone	372.2 -> 176...	P2-G4	11/20/2017 12:41 PM	5.650	756	50.70	372.2 -> 148..	1.76	Sufentanil-D5	392.2 -> 238..	5.710	193391	
Venlafaxine	278.2 -> 58.3	P2-G4	11/20/2017 12:41 PM				278.2 -> 260..		Venlafaxine-D6	284.2 -> 64.3	5.355	548983	
Zolpidem	308.2 -> 235...	P2-G4	11/20/2017 12:41 PM	5.414	14503..	361506....	308.2 -> 263..	88131....	Zolpidem-D6	314.2 -> 235...	5.392	987558	

Compound Method			p2 cal 1b			p2 cal 1b Results			ISTD Method				
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.
7-amino-flunitrazepam	284.1 -> 135...	P2-B1	11/20/2017 12:12 PM	5.363	49529	126.39	284.1 -> 93.2	6.86	7-amino-flunitrazepam-D7	291.2 -> 138...	5.341	322052	
alpha-hydroxymidazolam	342.1 -> 324...	P2-B1	11/20/2017 12:12 PM	6.007	43374	51.25	342.1 -> 203...	53.50	alpha-hydroxymidazolam...	346.1 -> 328...	6.007	205252	
Amiripryline	278.2 -> 91.2	P2-B1	11/20/2017 12:12 PM	5.854	159762	Infinity	278.2 -> 105...	586.21	Amiripryline-D3	281.2 -> 91.2	5.874	384402	
Amoxapine	314.1 -> 271...	P2-B1	11/20/2017 12:12 PM	5.827	42659	166.43	314.1 -> 193...	9114.56	Amiripryline-D3	281.2 -> 91.2	5.874	384402	
Benzylecgonine	290.1 -> 168...	P2-B1	11/20/2017 12:12 PM	5.018	20246	5834.36	290.1 -> 105...	35.86	Benzylecgonine-D8	298.2 -> 171...	4.996	6047	
Carbamazepine	237.1 -> 193...	P2-B1	11/20/2017 12:12 PM	5.738	29952	134.95	237.1 -> 194...	330.92	Carbamazepine-13C6	243.1 -> 200...	5.738	904113	
Chlordiazepoxide	300.1 -> 227...	P2-B1	11/20/2017 12:12 PM	6.115	12368	Infinity	300.1 -> 282...	9.74	Chlordiazepoxide-D5	305.1 -> 286...	6.114	279204	
Chloripramine	315.2 -> 86.2	P2-B1	11/20/2017 12:12 PM	6.031	213771	Infinity	315.2 -> 58.3	655.98	Chloripramine-D3	318.2 -> 89.2	6.031	610125	
Cocaine	304.2 -> 182...	P2-B1	11/20/2017 12:12 PM	5.158	125986	351.77	304.2 -> 105...	138.72	Cocaine-D3	307.2 -> 185...	5.158	315097	
Desipramine	267.2 -> 72.3	P2-B1	11/20/2017 12:12 PM	5.835	222919	132.18	267.2 -> 44.3	156.36	Desipramine-D3	270.2 -> 75.3	5.835	366793	
Doxepin	280.2 -> 107...	P2-B1	11/20/2017 12:12 PM	5.630	44414	33.28	280.2 -> 77.2	21.74	Doxepin-D3	283.2 -> 107...	5.630	106344	
Estazolam	295.1 -> 267...	P2-B1	11/20/2017 12:12 PM	5.974	40701	1047.30	295.1 -> 205...	76.20	Estazolam-D5	300.1 -> 272...	5.972	334316	
Flunitrazepam	314.1 -> 268...	P2-B1	11/20/2017 12:12 PM	6.011	49042	112.87	314.1 -> 239...	268.62	Flunitrazepam-D7	321.1 -> 245...	6.010	23309	
Flurazepam	388.2 -> 315...	P2-B1	11/20/2017 12:12 PM	5.620	114206	Infinity	388.2 -> 317...	85.31	Zopiclone-D4	393.1 -> 244...	5.336	42436	
Imipramine	281.2 -> 86.2	P2-B1	11/20/2017 12:12 PM	5.833	243312	102816...	281.2 -> 58.3	1677.06	Imipramine-D3	284.2 -> 61.3	5.832	844360	
Levamisole	205.1 -> 91.2	P2-B1	11/20/2017 12:12 PM	4.542	39271	18.12	205.1 -> 178...	578.32	Cocaine-D3	307.2 -> 185...	5.158	315097	
Maprotiline	278.2 -> 91.2	P2-B1	11/20/2017 12:12 PM	5.590	95792	Infinity	278.2 -> 117...	23.15	Mepredine-D4	252.2 -> 224...	5.166	147990	
MDEA	180.1 -> 163...	P2-B1	11/20/2017 12:12 PM	4.605	42095	35.16	180.1 -> 105...	103.88	MDEA-D5	185.1 -> 168...	4.605	116838	
MDEA	208.1 -> 163...	P2-B1	11/20/2017 12:12 PM	4.866	122716	254.56	208.1 -> 105...	66.32	MDEA-D6	214.2 -> 166...	4.866	447579	
MDMA	194.1 -> 163...	P2-B1	11/20/2017 12:12 PM	4.705	109975	Infinity	194.1 -> 105...	49.08	MDMA-D6	200.2 -> 166...	4.705	25455	
Mepredine	248.2 -> 220...	P2-B1	11/20/2017 12:12 PM	5.167	52530	256.25	248.2 -> 174...	332.47	Mepredine-D4	252.2 -> 224...	5.166	147990	
Methylphenidate	234.2 -> 84.2	P2-B1	11/20/2017 12:12 PM	5.107	241047	379.51	234.2 -> 56.3	Infinity	Mepredine-D4	252.2 -> 224...	5.166	147990	
Metoprolol	268.2 -> 126...	P2-B1	11/20/2017 12:12 PM	5.061	27707	49.24	268.2 -> 56.3	46.04	Mepredine-D4	252.2 -> 224...	5.166	147990	
Midazolam	326.1 -> 293...	P2-B1	11/20/2017 12:12 PM	6.030	21647	69.38	326.1 -> 249...	89.72	Midazolam-D4	330.1 -> 295...	6.008	282729	
Mirtazapine	266.2 -> 195...	P2-B1	11/20/2017 12:12 PM	5.285	111719	634.60	266.2 -> 72.3	105123...	Midazolam-D4	243.1 -> 200...	5.738	904113	
Mirtazapine	399.2 -> 174...	P2-B1	11/20/2017 12:12 PM	5.619	59963	168.91	399.2 -> 238...	2081.66	Carbamazepine-13C6	238.2 -> 164...	5.187	343890	
Normeperidine	234.1 -> 42.3	P2-B1	11/20/2017 12:12 PM	5.189	46018	Infinity	234.1 -> 160...	248.63	Normeperidine-D4	238.2 -> 164...	5.187	343890	
Norpropoxyphene	326.2 -> 44.3	P2-B1	11/20/2017 12:12 PM	5.744	16522	338.96	326.2 -> 252...	26.25	Norpropoxyphene-D5	331.2 -> 44.3	5.724	67173	
Nortriptyline	264.2 -> 91.2	P2-B1	11/20/2017 12:12 PM	5.796	334338	73420.59	264.2 -> 233...	1643.93	Nortriptyline-D3	267.2 -> 233...	5.876	367864	
Ondansetron	294.2 -> 184...	P2-B1	11/20/2017 12:12 PM	5.300	72897	130.89	294.2 -> 212...	104.18	Pentazocine-13C3	289.2 -> 72.3	5.241	529417	
Pentazocine	286.2 -> 218...	P2-B1	11/20/2017 12:12 PM	5.241	90591	994.98	286.2 -> 41.3	62.40	Pentazocine-13C3	289.2 -> 72.3	5.241	529417	
Phenazepam	349.0 -> 206...	P2-B1	11/20/2017 12:12 PM	6.088	6871	27.99	349.0 -> 183...	62.10	Phenazepam-D4	353.0 -> 183...	6.067	3846	
Phencyclidine	244.2 -> 86.2	P2-B1	11/20/2017 12:12 PM	5.452	68621	167.32	244.2 -> 91.1	118.60	Phencyclidine-D5	249.2 -> 86.2	5.451	510387	
Phenylethanolamine	253.1 -> 104...	P2-B1	11/20/2017 12:12 PM	5.675	1621	1222.42	253.1 -> 182...	Infinity	Phenylethanolamine-D10	263.2 -> 192...	5.634	7742	
Praxapam	325.1 -> 271...	P2-B1	11/20/2017 12:12 PM	6.557	126902	507.12	325.1 -> 140...	276.03	Praxapam-D5	330.1 -> 276...	6.536	774099	
Primidone	219.1 -> 91.2	P2-B1	11/20/2017 12:12 PM	5.068	3575	Infinity	219.1 -> 162...	19.02	Praxapam-D5	330.1 -> 276...	6.536	774099	
Propoxyphene	340.2 -> 58.3	P2-B1	11/20/2017 12:12 PM	5.744	162731	170.39	340.2 -> 266...	958.06	Propoxyphene-D11	351.3 -> 277...	5.722	52713	
Protriptyline	264.2 -> 155...	P2-B1	11/20/2017 12:12 PM	5.796	727251	Infinity	264.2 -> 161...	Infinity	Nortriptyline-D3	267.2 -> 233...	5.876	367864	
Pseudoephedrine	166.1 -> 148...	P2-B1	11/20/2017 12:12 PM	4.243	18686...	1168.25	166.1 -> 133...	782.77	Pseudoephedrine-D3	169.1 -> 151...	4.242	758913	
Tapentadol	222.2 -> 107...	P2-B1	11/20/2017 12:12 PM	5.047	122637	178633...	222.2 -> 121...	316.04	Tapentadol-D3	225.2 -> 107...	5.047	592801	
Trimipramine	295.2 -> 100...	P2-B1	11/20/2017 12:12 PM	5.912	234921	337.05	295.2 -> 58.3	263.45	Trimipramine-D3	298.2 -> 103...	5.912	13519...	
Verapamil	455.3 -> 165...	P2-B1	11/20/2017 12:12 PM	5.680	225213	1276.40	455.3 -> 150...	4097.36	Trimipramine-D3	298.2 -> 103...	5.912	13519...	
Zaleplon	306.1 -> 236...	P2-B1	11/20/2017 12:12 PM	5.829	43435	222.44	306.1 -> 264...	162.36	Zaleplon-D4	310.2 -> 240...	5.828	97885	
Zopiclone	389.1 -> 244...	P2-B1	11/20/2017 12:12 PM	5.336	6934	20.72	389.1 -> 216...	6.05	Zopiclone-D4	393.1 -> 244...	5.336	42436	

Compound Method		p2 negative			p2 negative Results			ISTD Method			ISTD Results	
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Qualif. S/N	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	P2-F4	11/20/2017 12:31 PM	5.343	1414	6.20	284.1 -> 93.2	1.27	7-aminoflunitrazepam-D7	291.2 -> 138...	5.341	487487
alpha-hydroxymidazolam	342.1 -> 324...	P2-F4	11/20/2017 12:31 PM	6.312	424	2.01	342.1 -> 203...	0.39	alpha-hydroxymidazolam...	346.1 -> 328...	6.007	251314
Amiripryline	278.2 -> 91.2	P2-F4	11/20/2017 12:31 PM	5.733	1535	3.67	278.2 -> 105...	16.20	Amiripryline-D3	281.2 -> 91.2	5.874	420517
Amoxapine	314.1 -> 271...	P2-F4	11/20/2017 12:31 PM	6.051	1095	3.06	314.1 -> 193...	12.25	Benzocyclogonine-D8	298.2 -> 171...	4.996	6871
Benzocyclogonine	290.1 -> 168...	P2-F4	11/20/2017 12:31 PM	5.078	284	1.27	290.1 -> 105...	3.13	Carbamazepine-13C6	243.1 -> 200...	5.738	10525...
Carbamazepine	237.1 -> 193...	P2-F4	11/20/2017 12:31 PM	5.820	937	2.43	237.1 -> 194...	49.26	Chlordiazepoxide-D5	305.1 -> 286...	6.114	371801
Chlordiazepoxide	300.1 -> 227...	P2-F4	11/20/2017 12:31 PM	5.993	1576	6.99	300.1 -> 282...	0.58	Clomipramine-D3	318.2 -> 89.2	6.051	681809
Clomipramine	315.2 -> 86.2	P2-F4	11/20/2017 12:31 PM	6.010	253	1.10	315.2 -> 58.3	1.09	Cocaine-D3	307.2 -> 185...	5.158	342091
Cocaine	304.2 -> 182...	P2-F4	11/20/2017 12:31 PM	5.158	1804	32.55	304.2 -> 105...	5.27	Desipramine-D3	270.2 -> 75.3	5.835	410496
Desipramine	267.2 -> 72.3	P2-F4	11/20/2017 12:31 PM	5.856	704	1915.86	267.2 -> 44.3	0.64	Doxepin-D3	283.2 -> 107...	5.630	116008
Doxepin	280.2 -> 107...	P2-F4	11/20/2017 12:31 PM	5.630	89	0.64	280.2 -> 77.2	0.58	Estazolam-D5	300.1 -> 272...	5.972	392229
Estazolam	295.1 -> 267...	P2-F4	11/20/2017 12:31 PM	6.239	45	0.42	295.1 -> 205...	0.58	Flunitrazepam-D7	321.1 -> 245...	6.010	392208
Flunitrazepam	314.1 -> 268...	P2-F4	11/20/2017 12:31 PM	6.051	1663	4.31	314.1 -> 239...	2.81	Imipramine-D3	284.2 -> 61.3	5.832	928123
Flurazepam	388.2 -> 315...	P2-F4	11/20/2017 12:31 PM	5.661	71	0.28	388.2 -> 317...	0.19	Meprobamate-D4	252.2 -> 224...	5.166	173027
Imipramine	281.2 -> 86.2	P2-F4	11/20/2017 12:31 PM	5.874	3471	13.74	281.2 -> 58.3	0.32	MDEA-D6	214.2 -> 166...	4.845	522376
Levamisole	205.1 -> 91.2	P2-F4	11/20/2017 12:31 PM	5.590	244	0.74	278.2 -> 117...	0.80	MDMA-D6	200.2 -> 166...	4.705	30802
Maprotiline	278.2 -> 91.2	P2-F4	11/20/2017 12:31 PM	4.908	420	1.25	180.1 -> 105...	1.70	Meprobamate-D4	252.2 -> 224...	5.166	173027
MDA	180.1 -> 163...	P2-F4	11/20/2017 12:31 PM	5.251	165	0.89	208.1 -> 105...	0.35	Meprobamate-D4	252.2 -> 224...	5.166	173027
MDEA	208.1 -> 163...	P2-F4	11/20/2017 12:31 PM	4.766	96	0.53	194.1 -> 105...	0.18	Midazolam-D4	330.1 -> 295...	6.029	330104
MDMA	194.1 -> 163...	P2-F4	11/20/2017 12:31 PM	5.329	1888	6.11	248.2 -> 174...	3.11	Normeperidine-D4	238.2 -> 164...	5.187	384749
Meperidine	248.2 -> 220...	P2-F4	11/20/2017 12:31 PM	4.965	654	0.45	234.2 -> 56.3	0.53	Nortriptyline-D3	267.2 -> 233...	5.876	412354
Methylphenidate	234.2 -> 84.2	P2-F4	11/20/2017 12:31 PM	6.070	122	0.33	326.2 -> 72.3	0.18	Midazolam-D4	330.1 -> 295...	6.029	330104
Metoprolol	268.2 -> 116...	P2-F4	11/20/2017 12:31 PM	5.264	213	0.55	266.2 -> 72.3	0.53	Nortriptyline-D3	267.2 -> 233...	5.876	412354
Midazolam	326.1 -> 223...	P2-F4	11/20/2017 12:31 PM	6.070	122	0.33	326.2 -> 72.3	0.18	Midazolam-D4	330.1 -> 295...	6.029	330104
Mirtazapine	266.2 -> 195...	P2-F4	11/20/2017 12:31 PM	5.264	213	0.55	266.2 -> 72.3	0.18	Midazolam-D4	330.1 -> 295...	6.029	330104
Mitragynine	399.2 -> 174...	P2-F4	11/20/2017 12:31 PM	5.372	50	0.51	234.1 -> 160...	3.11	Normeperidine-D4	238.2 -> 164...	5.187	384749
Normeperidine	234.1 -> 42.3	P2-F4	11/20/2017 12:31 PM	5.846	108	0.61	326.2 -> 252...	0.53	Nortriptyline-D3	267.2 -> 233...	5.876	412354
Norpropoxyphene	326.2 -> 44.3	P2-F4	11/20/2017 12:31 PM	5.857	634	0.58	264.2 -> 233...	0.53	Nortriptyline-D3	267.2 -> 233...	5.876	412354
Nortriptyline	264.2 -> 91.2	P2-F4	11/20/2017 12:31 PM	5.341	143	3.04	294.2 -> 212...	0.58	Nortriptyline-D3	267.2 -> 233...	5.876	412354
Ondansetron	294.2 -> 184...	P2-F4	11/20/2017 12:31 PM	6.047	133	52.53	349.0 -> 183...	0.51	Pentazocine-13C3	289.2 -> 72.3	5.241	621745
Pentazocine	286.2 -> 218...	P2-F4	11/20/2017 12:31 PM	6.047	133	52.53	349.0 -> 183...	0.51	Pentazocine-13C3	289.2 -> 72.3	5.241	621745
Phenazepam	349.0 -> 206...	P2-F4	11/20/2017 12:31 PM	5.452	119	1.03	244.2 -> 91.1	0.51	Pseudoephedrine-D3	169.1 -> 151...	4.262	817053
Phencyclidine	244.2 -> 86.2	P2-F4	11/20/2017 12:31 PM	6.719	25	0.43	325.1 -> 140...	1.03	Prazepam-D5	330.1 -> 276...	6.616	13347...
Phenylethanolamine	253.1 -> 104...	P2-F4	11/20/2017 12:31 PM	5.089	99	0.59	219.1 -> 162...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Prazepam	325.1 -> 271...	P2-F4	11/20/2017 12:31 PM	5.723	307	0.50	340.2 -> 266...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Primidone	219.1 -> 91.2	P2-F4	11/20/2017 12:31 PM	5.796	284	Infinitly	264.2 -> 161...	0.51	Pseudoephedrine-D3	169.1 -> 151...	4.262	817053
Propoxyphene	340.2 -> 58.3	P2-F4	11/20/2017 12:31 PM	5.047	248	0.98	222.2 -> 121...	0.51	Pseudoephedrine-D3	169.1 -> 151...	4.262	817053
Proprylpyline	264.2 -> 155...	P2-F4	11/20/2017 12:31 PM	5.627	158	0.46	295.2 -> 58.3	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Pseudoephedrine	166.1 -> 148...	P2-F4	11/20/2017 12:31 PM	6.187	77	0.61	455.3 -> 150...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Tapentadol	222.2 -> 107...	P2-F4	11/20/2017 12:31 PM	5.336	40	0.45	389.1 -> 216...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Trimipramine	295.2 -> 100...	P2-F4	11/20/2017 12:31 PM	5.336	40	0.45	389.1 -> 216...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Verapamil	455.3 -> 165...	P2-F4	11/20/2017 12:31 PM	5.336	40	0.45	389.1 -> 216...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Zaleplon	306.1 -> 236...	P2-F4	11/20/2017 12:31 PM	5.336	40	0.45	389.1 -> 216...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...
Zopiclone	389.1 -> 244...	P2-F4	11/20/2017 12:31 PM	5.336	40	0.45	389.1 -> 216...	0.93	Trimipramine-D3	298.2 -> 103...	5.912	14545...

Compound Method		p2 external control				p2 external control Results				ISTD Method			
Name	Transition	Pos.	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifi...	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	P2-G4	11/20/2017 12:50 PM	5.343	2016	4.95	284.1 -> 93.2	0.34	0.34	7-aminoflunitrazepam-D7	291.2 -> 138...	5.341	489846
alpha-hydroxymidazolam	342.1 -> 324...	P2-G4	11/20/2017 12:50 PM	5.967	142	0.55	342.1 -> 203...			alpha-hydroxymidazolam-...	346.1 -> 328...	5.987	208910
Amtripyline	278.2 -> 91.2	P2-G4	11/20/2017 12:50 PM	5.977	798	0.98	278.2 -> 105...	0.80	0.80	Amtripyline-D3	281.2 -> 91.2	5.853	409980
Amoxapine	314.1 -> 271...	P2-G4	11/20/2017 12:50 PM	6.092	267	3.63	314.1 -> 193...	22.82	22.82	Amtripyline-D3	281.2 -> 91.2	5.853	409980
Benzoylcegonine	290.1 -> 168...	P2-G4	11/20/2017 12:50 PM	5.038	225	0.96	290.1 -> 105...	2.80	2.80	Benzoylcegonine-D8	298.2 -> 171...	4.996	7543
Carbamazepine	237.1 -> 193...	P2-G4	11/20/2017 12:50 PM	5.799	343	1.80	237.1 -> 194...	2.35	2.35	Carbamazepine-13C6	243.1 -> 200...	5.718	962481
Chlordiazepoxide	300.1 -> 227...	P2-G4	11/20/2017 12:50 PM	5.972	1122	3.97	300.1 -> 282...			Chlordiazepoxide-D5	305.1 -> 286...	6.114	369449
Clomipramine	315.2 -> 86.2	P2-G4	11/20/2017 12:50 PM	5.806	66	0.85	315.2 -> 58.3	0.83	0.83	Clomipramine-D3	318.2 -> 89.2	6.031	653342
Cocaine	304.2 -> 182...	P2-G4	11/20/2017 12:50 PM	5.138	1689	6.73	304.2 -> 105...	1.21	1.21	Cocaine-D3	307.2 -> 185...	5.137	304945
Desipramine	267.2 -> 72.3	P2-G4	11/20/2017 12:50 PM	5.835	4310	9.71	267.2 -> 44.3	4.63	4.63	Desipramine-D3	270.2 -> 75.3	5.815	390677
Doxepin	290.1 -> 107...	P2-G4	11/20/2017 12:50 PM	5.753	57	0.86	280.2 -> 77.2	11.67	11.67	Doxepin-D3	283.2 -> 107...	5.609	106912
Estazolam	295.1 -> 267...	P2-G4	11/20/2017 12:50 PM	5.994	19	0.29	295.1 -> 205...	3.03	3.03	Estazolam-D5	300.1 -> 272...	5.972	336155
Flunitrazepam	314.1 -> 268...	P2-G4	11/20/2017 12:50 PM	6.031	1856	4.11	314.1 -> 239...	0.86	0.86	Flunitrazepam-D7	321.1 -> 245...	6.010	26995
Flurazepam	388.2 -> 315...	P2-G4	11/20/2017 12:50 PM	5.478	206	0.64	388.2 -> 317...	1.18	1.18	Zopiclone-D4	393.1 -> 244...	5.315	38805
Imipramine	281.2 -> 86.2	P2-G4	11/20/2017 12:50 PM	5.853	2968	11.36	281.2 -> 58.3	1.39	1.39	Imipramine-D3	284.2 -> 61.3	5.812	844726
Levamisole	205.1 -> 91.2	P2-G4	11/20/2017 12:50 PM	4.318	135	0.50	205.1 -> 178...	0.18	0.18	Cocaine-D3	307.2 -> 185...	5.137	304945
Maprotiline	278.2 -> 91.2	P2-G4	11/20/2017 12:50 PM	5.549	255	4.49	278.2 -> 117...			Meperidine-D4	252.2 -> 224...	5.146	156175
MDA	180.1 -> 163...	P2-G4	11/20/2017 12:50 PM				180.1 -> 105...			MDA-D5	185.1 -> 168...	4.585	118448
MDEA	208.1 -> 163...	P2-G4	11/20/2017 12:50 PM	4.926	60	0.34	208.1 -> 105...	1.11	1.11	MDEA-D6	214.2 -> 166...	4.845	483939
MDMA	194.1 -> 163...	P2-G4	11/20/2017 12:50 PM	4.726	130	1.92	194.1 -> 105...			MDMA-D6	200.2 -> 166...	4.685	26081
Meperidine	248.2 -> 220...	P2-G4	11/20/2017 12:50 PM	5.309	2089	3.44	248.2 -> 174...	1.87	1.87	Meperidine-D4	252.2 -> 224...	5.146	156175
Methylphenidate	234.2 -> 84.2	P2-G4	11/20/2017 12:50 PM	5.067	70	0.25	234.2 -> 56.3	0.34	0.34	Meperidine-D4	252.2 -> 224...	5.146	156175
Metoprolol	268.2 -> 116...	P2-G4	11/20/2017 12:50 PM				268.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.146	156175
Midazolam	326.1 -> 223...	P2-G4	11/20/2017 12:50 PM				326.1 -> 249...			Midazolam-D4	330.1 -> 295...	6.008	306555
Mirtazapine	266.2 -> 195...	P2-G4	11/20/2017 12:50 PM	5.388	41	0.75	266.2 -> 72.3	Infinity	Infinity	Midazolam-D4	330.1 -> 295...	6.008	306555
Mitragynine	399.2 -> 174...	P2-G4	11/20/2017 12:50 PM				399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	5.718	962481
Normeperidine	234.1 -> 42.3	P2-G4	11/20/2017 12:50 PM	5.209	85	0.23	234.1 -> 160...	0.22	0.22	Normeperidine-D4	238.2 -> 164...	5.168	349616
Norpropoxyphene	326.2 -> 44.3	P2-G4	11/20/2017 12:50 PM	5.826	225	1.12	326.2 -> 252...			Normeperidine-D4	238.2 -> 164...	5.168	349616
Nortriptyline	264.2 -> 91.2	P2-G4	11/20/2017 12:50 PM	5.897	495	2.87	264.2 -> 233...			Norpropoxyphene-D5	331.2 -> 44.3	5.704	73983
Ondansetron	294.2 -> 184...	P2-G4	11/20/2017 12:50 PM	5.179	120	1.02	294.2 -> 212...	0.81	0.81	Nortriptyline-D3	267.2 -> 233...	5.856	379917
Pentazocine	286.2 -> 218...	P2-G4	11/20/2017 12:50 PM				286.2 -> 41.3			Pentazocine-13C3	289.2 -> 72.3	5.241	544270
Phenazepam	349.0 -> 206...	P2-G4	11/20/2017 12:50 PM	6.169	142	1.04	349.0 -> 183...			Pentazocine-13C3	289.2 -> 72.3	5.241	544270
Phencyclidine	244.2 -> 86.2	P2-G4	11/20/2017 12:50 PM	5.167	35	0.20	244.2 -> 91.1	0.58	0.58	Phenazepam-D4	353.0 -> 183...	6.067	5316
Phenylethanolamine	253.1 -> 104...	P2-G4	11/20/2017 12:50 PM				253.1 -> 182...			Phenazepam-D4	249.2 -> 86.2	5.431	563502
Praxepam	325.1 -> 271...	P2-G4	11/20/2017 12:50 PM	6.658	29	1.15	325.1 -> 140...	1.51	1.51	Phencyclidine-D5	263.2 -> 192...	5.614	9675
Primidone	219.1 -> 91.2	P2-G4	11/20/2017 12:50 PM				219.1 -> 162...			Phenylethanolamine-D10	330.1 -> 276...	6.596	11645...
Propoxyphene	340.2 -> 58.3	P2-G4	11/20/2017 12:50 PM	5.581	148	0.25	340.2 -> 266...			Praxepam-D5	330.1 -> 276...	6.596	11645...
Proprylone	264.2 -> 155...	P2-G4	11/20/2017 12:50 PM	5.755	233	Infinity	264.2 -> 161...			Propoxyphene-D11	351.3 -> 277...	5.702	54826
Pseudoephedrine	166.1 -> 148...	P2-G4	11/20/2017 12:50 PM	4.384	179	1.22	166.1 -> 133...	0.19	0.19	Nortriptyline-D3	267.2 -> 233...	5.856	379917
Tapentadol	222.2 -> 107...	P2-G4	11/20/2017 12:50 PM	5.047	341	5.34	222.2 -> 121...			Pseudoephedrine-D3	169.1 -> 151...	4.262	771741
Trimipramine	295.2 -> 100...	P2-G4	11/20/2017 12:50 PM				295.2 -> 58.3			Tapentadol-D3	225.2 -> 107...	5.027	614919
Verapamil	455.3 -> 165...	P2-G4	11/20/2017 12:50 PM	6.146	160	1.30	455.3 -> 150...			Trimipramine-D3	298.2 -> 103...	5.891	13920...
Zaleplon	306.1 -> 236...	P2-G4	11/20/2017 12:50 PM	5.930	94	0.51	306.1 -> 264...	0.67	0.67	Trimipramine-D3	298.2 -> 103...	5.891	13920...
Zopiclone	389.1 -> 244...	P2-G4	11/20/2017 12:50 PM	5.316	53875	26944.53	389.1 -> 216...	4845...	4845...	Zaleplon-D4	310.2 -> 240...	5.808	113410
										Zopiclone-D4	393.1 -> 244...	5.315	38805