reviewed 10/20/17

Worklist: 1947

Central file for ELISA is available on request.

LAB CASE	ITEM	TASK ID	DESCRIPTION	
M2017-3775	1	97419	AM 25 Blood Multi-Drug Screen	
M2017-3896	1	97420	AM 25 Blood Multi-Drug Screen	
M2017-3943	1	97421	AM 25 Blood Multi-Drug Screen	
M2017-4078	1	97422	AM 25 Blood Multi-Drug Screen	
M2017-4091	6	97423	AM 25 Blood Multi-Drug Screen	
M2017-4285	1	97424	AM 25 Blood Multi-Drug Screen	
P2017-2087	1	97425	AM 25 Blood Multi-Drug Screen	
P2017-2088	1	97426	AM 25 Blood Multi-Drug Screen	
P2017-2089	1	97427	AM 25 Blood Multi-Drug Screen	
P2017-2090	1	97428	AM 25 Blood Multi-Drug Screen	
P2017-2091	1	97429	AM 25 Blood Multi-Drug Screen	
P2017-2092	1	97430	AM 25 Blood Multi-Drug Screen	
P2017-2093	4	97431	AM 25 Blood Multi-Drug Screen	
P2017-2118	1	97432	AM 25 Blood Multi-Drug Screen	
P2017-2137	2	97433	AM 25 Blood Multi-Drug Screen	
P2017-2161	1	97434	AM 25 Blood Multi-Drug Screen	
P2017-2172	1	97435	AM 25 Blood Multi-Drug Screen	
P2017-2227	1	97436	AM 25 Blood Multi-Drug Screen	
P2017-2228	1	97437	AM 25 Blood Multi-Drug Screen	
P2017-2231	1	97438	AM 25 Blood Multi-Drug Screen	
P2017-2253	2	97439	AM 25 Blood Multi-Drug Screen	
P2017-2254	1	97440	AM 25 Blood Multi-Drug Screen	
P2017-2265	1	97441	AM 25 Blood Multi-Drug Screen	

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Worklist: 1947

LAB CASE	ITEM	TASK ID	DESCRIPTION
P2017-2266	1	97442	AM 25 Blood Multi-Drug Screen

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

Extraction Date:10/16/17   Analyst: Sarah Pickle

Plate lot#:0495940   Plate Expiration:12/12/17

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

Analytic:

☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature. `Each removed own samples.`
☑ 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 067106** ~~#35~~ in wells of analytical (standards) plate. `Each pipetted own samples.`
☑ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105* `Performed by SP.`
☑ 4. Pipette **250µL 0.5M ammonium hydroxide** buffer in wells of analytical plate. `Performed by SP.`
☑ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. `Performed by SP.`
☑ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate. `Each transfered own samples.`
☑ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). `Performed by SP.`
     (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. `Performed by SP.`
☑ 9. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)* `Performed by SP.`
☑ 10. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity. `Performed by TS.` *S*
☑ 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)* `Performed by TS.` *S*
☑ 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. `Performed by TS.` *S*
     SPE Dry ID067103
☑ 13. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist. `Each reconstituted own samples.`

POST- ANALYTIC

☑ 1. Create batch and process data.
     Worklist path: C:\MassHunter\Data\2017\MD Screen\101617 SP and TS MD Screen   Batch Name: 101617 MD Screen Panel 1 SP
                                                                                            101617 MD Screen Panel 2 SP
☑ 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.   Did not evaluate Carisoprodol
☑ 3. Did all QCs pass for each analyte? Y (N) Did not evaluate Norpropoxyphene *S*
☑ 4. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: and extraction
The analysis^ was performed in conjunction with Tamara Salazar. Steps requiring pipetting or transferring of case samples was performed by the analyst with custody of the sample. The parts of the method not requiring direct interaction with case samples were split among Tamara and I with the other analyst observing.

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. cntrl

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).

↳ WS092517   Created: 09/25/17   By: TS
                Expires: 03/25/18

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Qualifier S/N	Name (IS)	Transition (IS)	RT (IS)	Resp. (IS)
6-MAM	328.2 -> 165...	10/17/2017 12:11 AM	P2-H12	4.696	945	10.04	328.2 -> 211...	Infinity	6-MAM-D6	334.2 -> 165...	4.655	31925
7-aminoclonazepam	286.1 -> 121...	10/17/2017 12:11 AM	P2-H12	5.252	17400	4106.42	286.1 -> 222...	26.26	7-Aminoclonazepam-D4	290.1 -> 121...	5.251	739
Acetyl Fentanyl	323.2 -> 105...	10/17/2017 12:11 AM	P2-H12	5.472	8781	27.15	323.2 -> 188...	7.63	Acetyl Fentanyl-D5	328.2 -> 105...	5.470	10420...
Acetyl Norfentanyl	219.1 -> 84.2	10/17/2017 12:11 AM	P2-H12	4.630	3791	42.29	219.1 -> 56.3	5.60	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.609	276251
a-hydroxyalprazolam	325.1 -> 297...	10/17/2017 12:11 AM	P2-H12	5.998	2369	7.88	325.1 -> 215...	332.13	a-hydroxyalprazolam-D5	330.1 -> 302...	5.997	18001
alpha-PVP	232.2 -> 91.0	10/17/2017 12:11 AM	P2-H12	5.239	18674	193.30	232.2 -> 77.1	57.59	alpha-PVP-d8	240.2 -> 91.1	5.238	343245
Alprazolam	309.1 -> 281...	10/17/2017 12:11 AM	P2-H12	6.083	64501	Infinity	309.1 -> 205...	5709.94	Alprazolam-D5	314.1 -> 286...	6.082	170378
Amphetamine	136.1 -> 91.1	10/17/2017 12:11 AM	P2-H12	4.592	106049	82.89	136.1 -> 119...	20444...	Amphetamine-D11	147.2 -> 130...	4.531	7372
Bupropion	240.1 -> 184...	10/17/2017 12:11 AM	P2-H12	5.422	23405	5102.71	240.1 -> 131...	121.18	Ketamine-D4	242.1 -> 129...	5.156	364396
Carisoprodol	261.2 -> 176...	10/17/2017 12:11 AM	P2-H12	5.725	16	Infinity	261.2 -> 55.3	8.55	Carisoprodol-D7	268.2 -> 183...	5.744	5198
Citalopram	325.2 -> 109...	10/17/2017 12:11 AM	P2-H12	5.693	138063	Infinity	325.2 -> 262...	120.98	Citalopram-D6	331.2 -> 109...	5.692	36848
Clonazepam	316.1 -> 269...	10/17/2017 12:11 AM	P2-H12	5.939	6460	591.24	316.1 -> 213...	266.54	Clonazepam-D4	320.1 -> 217...	5.939	5581
Codeine	300.2 -> 215...	10/17/2017 12:11 AM	P2-H12	4.579	5274	19.46	300.2 -> 165...	82.78	Codeine-D6	306.2 -> 218...	4.536	21995
Cyclobenzaprine	276.2 -> 214...	10/17/2017 12:11 AM	P2-H12	5.927	39630	78.00	276.2 -> 231...	40.53	Cyclobenzaprine-D3	279.2 -> 215...	5.926	301697
Dextromethorphan	272.2 -> 171...	10/17/2017 12:11 AM	P2-H12	5.703	64435	13053...	272.2 -> 147...	23.70	Dextromethorphan-D3	275.2 -> 171...	5.703	163528
Dextrorphan	258.2 -> 157...	10/17/2017 12:11 AM	P2-H12	5.114	31817	1380.11	258.2 -> 133...	4189.96	Dextrorphan-D3	261.2 -> 157...	5.113	190791
Diazepam	285.1 -> 193...	10/17/2017 12:11 AM	P2-H12	6.310	26531	40.75	285.1 -> 153...	47.76	Diazepam-D5	290.1 -> 198...	6.309	132292
Dihydrocodeine	302.2 -> 198...	10/17/2017 12:11 AM	P2-H12	4.516	15790	37.12	302.2 -> 128...	89.34	Dihydrocodeine-D6	308.2 -> 202...	4.495	104501
Diphenhydramine	256.2 -> 167...	10/17/2017 12:11 AM	P2-H12	5.645	28726	6784.73	256.2 -> 152...	9282.19	Diphenhydramine-D3	259.2 -> 167...	5.644	277982
Doxylamine	271.2 -> 182...	10/17/2017 12:11 AM	P2-H12	5.357	22236	3489.06	271.2 -> 167...	24073...	Doxylamine-D5	276.2 -> 187...	5.335	13862
EDDP	279.2 -> 235...	10/17/2017 12:11 AM	P2-H12	5.701	215354	878.27	279.2 -> 250...	22762...	EDDP-D3	282.2 -> 235...	5.701	95049
Fentanyl	337.2 -> 105...	10/17/2017 12:11 AM	P2-H12	5.671	9348	194.42	337.2 -> 188...	203.38	Fentanyl-D5	342.3 -> 105...	5.651	694360
Fluoxetine	310.1 -> 44.3	10/17/2017 12:11 AM	P2-H12	5.880	263253	890.83	310.1 -> 148...	15.64	Fluoxetine-D6	316.2 -> 44.3	5.879	957476
Hydrocodone	300.2 -> 198...	10/17/2017 12:11 AM	P2-H12	4.761	24564	1946.21	300.2 -> 128...	Infinity	Hydrocodone-D6	306.2 -> 202...	4.740	150638
Hydromorphone	286.2 -> 184...	10/17/2017 12:11 AM	P2-H12	4.199	15990	19.81	286.2 -> 157...	Infinity	Hydromorphone-D6	292.2 -> 185...	4.178	39278
Ketamine	238.1 -> 125...	10/17/2017 12:11 AM	P2-H12	5.157	82370	13821...	238.1 -> 220...	Infinity	Ketamine-D4	242.1 -> 129...	5.156	364396
Meprobamate	219.1 -> 158...	10/17/2017 12:11 AM	P2-H12	5.322	3845	30.28	219.1 -> 97.1	19.71	Carisoprodol-D7	268.2 -> 183...	5.744	5198
Methadone	310.2 -> 265...	10/17/2017 12:11 AM	P2-H12	5.961	96358	23211...	310.2 -> 105...	2754.87	Methadone-D9	319.3 -> 268...	5.959	220535
Methamphetamine	150.1 -> 91.1	10/17/2017 12:11 AM	P2-H12	4.713	89199	Infinity	150.1 -> 119...	30.14	Methamphetamine-D11	161.2 -> 97.1	4.692	202066
Morphine	286.2 -> 201...	10/17/2017 12:11 AM	P2-H12	3.976	6881	78.81	286.2 -> 165...	49.99	Morphine-D6	292.2 -> 152...	3.934	11994
Naloxone	328.2 -> 309...	10/17/2017 12:11 AM	P2-H12	4.635	11409	63.85	328.2 -> 211...	6.46	Naltrexol-D3	347.2 -> 329...	4.654	36998
Naltrexol	344.2 -> 326...	10/17/2017 12:11 AM	P2-H12	4.674	89119	40025...	344.2 -> 308...	28.51	Naltrexol-D3	347.2 -> 329...	4.654	36998
Naltrexone	342.2 -> 324...	10/17/2017 12:11 AM	P2-H12	4.654	19528	48.66	342.2 -> 55.3	84.86	Naltrexol-D3	347.2 -> 329...	4.654	36998
Norbuprenorphine	414.3 -> 101...	10/17/2017 12:11 AM	P2-H12	5.486	1081	227.95	414.3 -> 57.3	359.43	Norbuprenorphine-D3	417.3 -> 101...	5.466	3220
Nordiazepam	271.1 -> 140...	10/17/2017 12:11 AM	P2-H12	6.152	11384	8135.36	271.1 -> 208...	143.62	Nordiazepam-D5	276.1 -> 140...	6.151	18553
Norfentanyl	233.2 -> 84.2	10/17/2017 12:11 AM	P2-H12	5.056	75672	22781...	233.2 -> 55.3	66.10	Norfentanyl-D5	238.2 -> 84.2	5.035	252085
Norhydrocodone	286.2 -> 199...	10/17/2017 12:11 AM	P2-H12	4.702	2760	897.40	286.2 -> 171...	Infinity	Norhydrocodone-D3	289.2 -> 202...	4.681	28743
Noroxycodone	302.1 -> 284...	10/17/2017 12:11 AM	P2-H12	4.638	13412	47.41	302.1 -> 186...	3506.87	Noroxycodone-D3	305.2 -> 287...	4.617	52326
O-desmethyl-tramadol	250.2 -> 58.3	10/17/2017 12:11 AM	P2-H12	4.668	148594	Infinity	250.2 -> 42.3	89.37	O-desmethyl-tramadol...	256.2 -> 64.3	4.667	247192
Oxazepam	287.1 -> 240...	10/17/2017 12:11 AM	P2-H12	5.985	3252	6.61	287.1 -> 268...	3.11	Oxazepam-D5	292.1 -> 246...	5.984	18069
Oxycodone	316.2 -> 298...	10/17/2017 12:11 AM	P2-H12	4.677	60392	Infinity	316.2 -> 241...	2454.55	Oxycodone-D6	322.2 -> 304...	4.656	17234
Oxymorphone	302.1 -> 284...	10/17/2017 12:11 AM	P2-H12	4.033	38965	Infinity	302.1 -> 227...	Infinity	Oxymorphone-D3	305.2 -> 287...	4.012	178760
Phentermine	150.1 -> 65.2	10/17/2017 12:11 AM	P2-H12	4.875	25519	Infinity	150.1 -> 133...	353.53	Phentermine-D5	155.2 -> 96.2	4.854	384648
Promethazine	285.1 -> 86.2	10/17/2017 12:11 AM	P2-H12	5.905	104570	429.58	285.1 -> 71.3	7749.32	Promethazine-D3	288.2 -> 89.2	5.904	290787
Quetiapine	384.2 -> 253...	10/17/2017 12:11 AM	P2-H12	5.934	38897	9408.12	384.2 -> 221...	34415...	Quetiapine-D8	392.2 -> 226...	5.893	176484
Sertraline	306.1 -> 158...	10/17/2017 12:11 AM	P2-H12	6.125	126807	96.37	306.1 -> 275...	85.32	Sertraline-D3	309.1 -> 275...	6.124	196927
Sufentanil	387.2 -> 238...	10/17/2017 12:11 AM	P2-H12	5.913	835	276.67	387.2 -> 111...	2170.55	Sufentanil-D5	392.2 -> 238...	5.893	21442
Temazepam	301.1 -> 255...	10/17/2017 12:11 AM	P2-H12	6.146	32645	Infinity	301.1 -> 283...	Infinity	Temazepam-D5	306.1 -> 260...	6.125	208309

Did not evaluate carisoprodol.

Name	Transition	Acq. Date-Time	Pos.	RT	Resp	S/N	Transition	S/N	Name	Transition	RT	Resp
Tramadol	264.2 -> 58.3	10/17/2017 12:11 AM	P2-H12	5.154	209954	Infinity	264.2 -> 43.3	22.91	Tramadol-13C-D3	268.2 -> 58.3	5.153	11735...
Trazodone	372.2 -> 176...	10/17/2017 12:11 AM	P2-H12	5.955	193194	1534.75	372.2 -> 148...	Infinity	Sufentanil-D5	392.2 -> 238...	5.893	21442
Venlafaxine	278.2 -> 58.3	10/17/2017 12:11 AM	P2-H12	5.479	224816	31942...	278.2 -> 260...	245.21	Venlafaxine-D6	284.2 -> 64.3	5.457	114256
Zolpidem	308.2 -> 235...	10/17/2017 12:11 AM	P2-H12	5.738	161076	Infinity	308.2 -> 263...	2279.94	Zolpidem-D6	314.2 -> 235...	5.716	736234

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Quali S/N	ISTD Name	ISTD Transition	ISTD RT	ISTD Resp.
6-MAM	328.2 -> 165...	10/16/2017 2:47 PM	P2-A5	4.635	271	105.05	328.2 -> 211...		6-MAM-D6	334.2 -> 165...	4.635	32593
7-aminoclonazepam	286.1 -> 121...	10/16/2017 2:47 PM	P2-A5	5.313			286.1 -> 222...		7-Aminoclonazepam-D4	290.1 -> 121...	5.231	1151
Acetyl Fentanyl	323.2 -> 105...	10/16/2017 2:47 PM	P2-A5		33	0.88	323.2 -> 188...		Acetyl Fentanyl-D5	328.2 -> 105...	5.490	12248...
Acetyl Norfentanyl	219.1 -> 84.2	10/16/2017 2:47 PM	P2-A5				219.1 -> 56.3		Acetyl Norfentanyl-D5	224.2 -> 84.2	4.609	332611
a-hydroxyalprazolam	325.1 -> 297...	10/16/2017 2:47 PM	P2-A5				325.1 -> 215...		a-hydroxyalprazolam-D5	330.1 -> 302...	6.037	26734
alpha-PVP	232.2 -> 91.0	10/16/2017 2:47 PM	P2-A5				232.2 -> 77.1		alpha-PVP-d8	240.2 -> 91.1	5.238	416738
Alprazolam	309.1 -> 281...	10/16/2017 2:47 PM	P2-A5	6.165	223	0.96	309.1 -> 205...		Alprazolam-D5	314.1 -> 286...	6.102	212624
Amphetamine	136.1 -> 91.1	10/16/2017 2:47 PM	P2-A5	4.714	24030	12.17	136.1 -> 119...	2.32	Amphetamine-D11	147.2 -> 129...	4.531	9166
Bupropion	240.1 -> 184...	10/16/2017 2:47 PM	P2-A5				240.1 -> 131...		Ketamine-D4	242.1 -> 129...	5.156	418666
Carisoprodol	261.2 -> 176...	10/16/2017 2:47 PM	P2-A5	5.612	50	2.14	261.2 -> 55.3		Carisoprodol-D7	268.2 -> 183...	5.765	8698
Citalopram	325.2 -> 109...	10/16/2017 2:47 PM	P2-A5				325.2 -> 262...		Citalopram-D6	331.2 -> 109...	5.692	50197
Clonazepam	316.1 -> 269...	10/16/2017 2:47 PM	P2-A5				316.1 -> 213...		Clonazepam-D4	320.1 -> 217...	5.979	9558
Codeine	300.2 -> 215...	10/16/2017 2:47 PM	P2-A5				300.2 -> 165...		Codeine-D6	306.2 -> 218...	4.515	28218
Cyclobenzaprine	276.2 -> 214...	10/16/2017 2:47 PM	P2-A5				276.2 -> 231...		Cyclobenzaprine-D3	279.2 -> 215...	5.947	336697
Dextromethorphan	272.2 -> 171...	10/16/2017 2:47 PM	P2-A5				272.2 -> 147...		Dextromethorphan-D3	275.2 -> 171...	5.723	211784
Dextrorphan	258.2 -> 157...	10/16/2017 2:47 PM	P2-A5				258.2 -> 133...		Dextrorphan-D3	261.2 -> 157...	5.113	227176
Diazepam	285.1 -> 193...	10/16/2017 2:47 PM	P2-A5				285.1 -> 153...		Diazepam-D5	290.1 -> 198...	6.329	167792
Dihydrocodeine	302.2 -> 198...	10/16/2017 2:47 PM	P2-A5				302.2 -> 128...		Dihydrocodeine-D6	308.2 -> 202...	4.475	124959
Diphenhydramine	256.2 -> 167...	10/16/2017 2:47 PM	P2-A5				256.2 -> 152...		Diphenhydramine-D3	259.2 -> 167...	5.665	392121
Doxylamine	271.2 -> 182...	10/16/2017 2:47 PM	P2-A5				271.2 -> 167...		Doxylamine-D5	276.2 -> 187...	5.335	22428
EDDP	279.2 -> 235...	10/16/2017 2:47 PM	P2-A5				279.2 -> 250...		EDDP-D3	282.2 -> 235...	5.721	96396
Fentanyl	337.2 -> 105...	10/16/2017 2:47 PM	P2-A5				337.2 -> 188...		Fentanyl-D5	342.3 -> 105...	5.671	839720
Fluoxetine	310.1 -> 44.3	10/16/2017 2:47 PM	P2-A5				310.1 -> 148...		Fluoxetine-D6	316.2 -> 44.3	5.899	10466...
Hydrocodone	300.2 -> 198...	10/16/2017 2:47 PM	P2-A5				300.2 -> 128...		Hydrocodone-D6	306.2 -> 202...	4.740	175281
Hydromorphone	286.2 -> 184...	10/16/2017 2:47 PM	P2-A5				286.2 -> 157...		Hydromorphone-D6	292.2 -> 185...	4.157	45561
Ketamine	238.1 -> 125...	10/16/2017 2:47 PM	P2-A5	5.300	172	0.36	238.1 -> 220...		Ketamine-D4	242.1 -> 129...	5.156	418666
Meprobamate	219.1 -> 158...	10/16/2017 2:47 PM	P2-A5	5.301	48	12.34	219.1 -> 97.1		Carisoprodol-D7	268.2 -> 183...	5.765	8698
Methadone	310.2 -> 265...	10/16/2017 2:47 PM	P2-A5	6.164	152	3.13	310.2 -> 105...	1.16	Methadone-D9	319.3 -> 268...	5.980	280914
Methamphetamine	150.1 -> 91.1	10/16/2017 2:47 PM	P2-A5				150.1 -> 119...		Methamphetamine-D11	161.0 -> 97.1	4.672	150581
Morphine	286.2 -> 201...	10/16/2017 2:47 PM	P2-A5				286.2 -> 165...		Morphine-D6	292.2 -> 152...	3.894	11476
Naloxone	328.2 -> 309...	10/16/2017 2:47 PM	P2-A5	4.594	105	0.45	328.2 -> 211...		Naltrexol-D3	347.2 -> 329...	4.654	55572
Naltrexol	344.2 -> 326...	10/16/2017 2:47 PM	P2-A5	4.634	5244	6.64	344.2 -> 308...		Naltrexol-D3	347.2 -> 329...	4.654	55572
Naltrexone	342.2 -> 324...	10/16/2017 2:47 PM	P2-A5				342.2 -> 55.3		Naltrexol-D3	347.2 -> 329...	4.654	55572
Norbuprenorphine	414.3 -> 101...	10/16/2017 2:47 PM	P2-A5				414.3 -> 57.3		Norbuprenorphine-D3	417.3 -> 101...	5.506	4499
Nordiazepam	271.1 -> 140...	10/16/2017 2:47 PM	P2-A5				271.1 -> 208...		Nordiazepam-D5	276.1 -> 140...	6.171	21179
Norfentanyl	233.2 -> 84.2	10/16/2017 2:47 PM	P2-A5				233.2 -> 55.3		Norfentanyl-D5	238.2 -> 84.2	5.055	310385
Norhydrocodone	286.2 -> 199...	10/16/2017 2:47 PM	P2-A5	4.662	133	1.02	286.2 -> 171...		Norhydrocodone-D3	289.2 -> 202...	4.681	32946
Noroxycodone	302.1 -> 284...	10/16/2017 2:47 PM	P2-A5	4.659	839	0.84	302.1 -> 186...	60.07	Noroxycodone-D3	305.2 -> 287...	4.617	67217
O-desmethyl-tramadol	250.2 -> 58.3	10/16/2017 2:47 PM	P2-A5	4.647	1203	0.87	250.2 -> 42.3	0.68	O-desmethyl-tramadol-...	256.2 -> 64.3	4.647	312242
Oxazepam	287.1 -> 240...	10/16/2017 2:47 PM	P2-A5				287.1 -> 268...		Oxazepam-D5	292.1 -> 246...	6.025	23895
Oxycodone	316.2 -> 298...	10/16/2017 2:47 PM	P2-A5	4.656	1071	0.58	316.2 -> 241...		Oxycodone-D6	322.2 -> 304...	4.636	25157
Oxymorphone	302.1 -> 284...	10/16/2017 2:47 PM	P2-A5	3.952	92	0.64	302.1 -> 227...	4.50	Oxymorphone-D3	305.2 -> 287...	3.971	208661
Phentermine	150.1 -> 65.2	10/16/2017 2:47 PM	P2-A5	4.895	4400	Infinity	150.1 -> 133...		Phentermine-D5	155.2 -> 96.2	4.854	419116
Promethazine	285.1 -> 86.2	10/16/2017 2:47 PM	P2-A5				285.1 -> 71.3		Promethazine-D3	288.2 -> 89.2	5.924	393804
Quetiapine	384.2 -> 253...	10/16/2017 2:47 PM	P2-A5				384.2 -> 221...		Quetiapine-D8	392.2 -> 226...	5.913	203733
Sertraline	306.1 -> 158...	10/16/2017 2:47 PM	P2-A5				306.1 -> 275...		Sertraline-D3	309.1 -> 275...	6.124	243312
Sufentanil	387.2 -> 238...	10/16/2017 2:47 PM	P2-A5	5.954	53	0.31	387.2 -> 111...	202.01	Sufentanil-D5	392.2 -> 238...	5.933	35068
Temazepam	301.1 -> 255...	10/16/2017 2:47 PM	P2-A5	6.044	539	0.75	301.1 -> 283...		Temazepam-D5	306.1 -> 260...	6.166	250472

Name	Transition	Acq. Date-Time	Pos	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	10/16/2017 2:47 PM	P2-A5	5.154	6640	Infinity	264.2 -> 43.3	1.30	Tramadol-13C-D3	268.2 -> 58.3	5.153	12822...
Trazodone	372.2 -> 176...	10/16/2017 2:47 PM	P2-A5	5.813	137	0.21	372.2 -> 148...	2.95	Sufentanil-D5	392.2 -> 238...	5.933	35068
Venlafaxine	278.2 -> 58.3	10/16/2017 2:47 PM	P2-A5				278.2 -> 260...		Venlafaxine-D6	284.2 -> 64.3	5.478	165066
Zolpidem	308.2 -> 235...	10/16/2017 2:47 PM	P2-A5	5.881	105	0.89	308.2 -> 263...		Zolpidem-D6	314.2 -> 235...	5.737	868771

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Qualifier S/N	ISTD Name	ISTD Transition	ISTD RT	ISTD Resp.
6-MAM	328.2 -> 165...	10/16/2017 3:07 PM	P2-B5				328.2 -> 211...		6-MAM-D6	334.2 -> 165...	4.655	38752
7-aminoclonazepam	286.1 -> 121...	10/16/2017 3:07 PM	P2-B5				286.1 -> 222...		7-Aminoclonazepam-D4	290.1 -> 121...	5.292	33208
Acetyl Fentanyl	323.2 -> 105...	10/16/2017 3:07 PM	P2-B5				323.2 -> 188...		Acetyl Fentanyl-D5	328.2 -> 105...	5.490	12361...
Acetyl Norfentanyl	219.1 -> 84.2...	10/16/2017 3:07 PM	P2-B5	4.630	40	0.40	219.1 -> 56.3...		Acetyl Norfentanyl-D5	224.2 -> 84.2...	4.630	343073
a-hydroxyalprazolam	325.1 -> 297...	10/16/2017 3:07 PM	P2-B5	5.957	297	4.30	325.1 -> 215...		a-hydroxyalprazolam-D5	330.1 -> 302...	6.037	26649
alpha-PVP	232.2 -> 91.0	10/16/2017 3:07 PM	P2-B5				232.2 -> 77.1...		alpha-PVP-d8	240.2 -> 91.1...	5.258	415940
Alprazolam	309.1 -> 281...	10/16/2017 3:07 PM	P2-B5	6.185	88	0.60	309.1 -> 205...	0.84	Alprazolam-D5	314.1 -> 286...	6.102	214247
Amphetamine	136.1 -> 91.1	10/16/2017 3:07 PM	P2-B5	4.734	266390	4.45	136.1 -> 119...		Amphetamine-D11	147.2 -> 130...	4.531	8152
Bupropion	240.1 -> 184...	10/16/2017 3:07 PM	P2-B5	5.512	83	0.64	240.1 -> 131...		Ketamine-D4	242.1 -> 129...	5.156	437930
Carisoprodol	261.2 -> 176...	10/16/2017 3:07 PM	P2-B5				261.2 -> 55.3...		Carisoprodol-D7	268.2 -> 183...	5.765	7917
Citalopram	325.2 -> 109...	10/16/2017 3:07 PM	P2-B5	5.734	73	0.41	325.2 -> 262...		Citalopram-D6	331.2 -> 109...	5.692	51247
Clonazepam	316.1 -> 269...	10/16/2017 3:07 PM	P2-B5				316.1 -> 213...		Clonazepam-D4	320.1 -> 217...	5.959	10831
Codeine	300.2 -> 215...	10/16/2017 3:07 PM	P2-B5				300.2 -> 165...		Codeine-D6	306.2 -> 218...	4.536	28126
Cyclobenzaprine	276.2 -> 214...	10/16/2017 3:07 PM	P2-B5	5.948	277	72.02	276.2 -> 231...		Cyclobenzaprine-D3	279.2 -> 215...	5.926	326693
Dextromethorphan	272.2 -> 171...	10/16/2017 3:07 PM	P2-B5				272.2 -> 147...		Dextromethorphan-D3	275.2 -> 171...	5.723	198288
Dextrorphan	258.2 -> 157...	10/16/2017 3:07 PM	P2-B5				258.2 -> 133...		Dextrorphan-D3	261.2 -> 157...	5.113	199394
Diazepam	285.1 -> 193...	10/16/2017 3:07 PM	P2-B5	6.290	424	0.48	285.1 -> 153...	0.75	Diazepam-D5	290.1 -> 198...	6.309	160120
Dihydrocodeine	302.2 -> 198...	10/16/2017 3:07 PM	P2-B5				302.2 -> 128...		Dihydrocodeine-D6	308.2 -> 202...	4.475	1250090
Diphenhydramine	256.2 -> 167...	10/16/2017 3:07 PM	P2-B5				256.2 -> 152...		Diphenhydramine-D3	259.2 -> 167...	5.665	360133
Doxylamine	271.2 -> 182...	10/16/2017 3:07 PM	P2-B5				271.2 -> 167...		Doxylamine-D5	276.2 -> 187...	5.356	19792
EDDP	279.2 -> 235...	10/16/2017 3:07 PM	P2-B5				279.2 -> 250...		EDDP-D3	282.2 -> 235...	5.721	86419
Fentanyl	337.2 -> 105...	10/16/2017 3:07 PM	P2-B5				337.2 -> 188...		Fentanyl-D5	342.3 -> 105...	5.671	877032
Fluoxetine	310.1 -> 44.3	10/16/2017 3:07 PM	P2-B5	5.880	321	1.69	310.1 -> 148...		Fluoxetine-D6	316.2 -> 44.3	5.899	112111...
Hydrocodone	300.2 -> 198...	10/16/2017 3:07 PM	P2-B5				300.2 -> 128...		Hydrocodone-D6	306.2 -> 202...	4.740	182790
Hydromorphone	286.2 -> 184...	10/16/2017 3:07 PM	P2-B5				286.2 -> 157...		Hydromorphone-D6	292.2 -> 185...	4.157	477710
Ketamine	238.1 -> 125...	10/16/2017 3:07 PM	P2-B5	5.055	1716	88.04	238.1 -> 220...		Ketamine-D4	242.1 -> 129...	5.156	437930
Meprobamate	219.1 -> 158...	10/16/2017 3:07 PM	P2-B5	5.240	28	0.23	219.1 -> 97.1...		Carisoprodol-D7	268.2 -> 183...	5.765	7917
Methadone	310.2 -> 265...	10/16/2017 3:07 PM	P2-B5	6.042	291	2.78	310.2 -> 105...		Methadone-D9	319.3 -> 268...	5.980	280697
Methamphetamine	150.1 -> 91.1	10/16/2017 3:07 PM	P2-B5				150.1 -> 119...		Methamphetamine-D11	161.2 -> 97.1...	4.692	171103
Morphine	286.2 -> 201...	10/16/2017 3:07 PM	P2-B5	3.854	31	0.49	286.2 -> 165...	0.68	Morphine-D6	292.2 -> 152...	3.914	155514
Naloxone	328.2 -> 309...	10/16/2017 3:07 PM	P2-B5	4.493	126	0.46	328.2 -> 211...		Naltrexol-D3	347.2 -> 329...	4.674	57113
Naltrexol	344.2 -> 326...	10/16/2017 3:07 PM	P2-B5	4.634	5014	11.82	344.2 -> 308...		Naltrexol-D3	347.2 -> 329...	4.674	57113
Naltrexone	342.2 -> 324...	10/16/2017 3:07 PM	P2-B5				342.2 -> 55.3...		Naltrexone-D3	347.2 -> 329...	4.674	57113
Norbuprenorphine	414.3 -> 101...	10/16/2017 3:07 PM	P2-B5				414.3 -> 57.3...		Norbuprenorphine-D3	417.3 -> 101...	5.506	4743
Nordiazepam	271.1 -> 140...	10/16/2017 3:07 PM	P2-B5				271.1 -> 208...		Nordiazepam-D5	276.1 -> 140...	6.171	22162
Norfentanyl	233.2 -> 84.2	10/16/2017 3:07 PM	P2-B5				233.2 -> 55.3...		Norfentanyl-D5	238.2 -> 84.2...	5.055	293194
Norhydrocodone	286.2 -> 199...	10/16/2017 3:07 PM	P2-B5	4.662	205	0.47	286.2 -> 171...		Norhydrocodone-D3	289.2 -> 202...	4.681	31815
Noroxycodone	302.1 -> 284...	10/16/2017 3:07 PM	P2-B5				302.1 -> 186...		Noroxycodone-D3	305.2 -> 287...	4.667	342
O-desmethyl-tramadol	250.2 -> 58.3	10/16/2017 3:07 PM	P2-B5	4.647	910	3.57	250.2 -> 42.3...		O-desmethyl-tramadol-...	256.2 -> 64.3...	4.415	306164
Oxazepam	287.1 -> 241...	10/16/2017 3:07 PM	P2-B5				287.1 -> 268...		Oxazepam-D5	292.1 -> 246...	6.025	22186
Oxycodone	316.2 -> 298...	10/16/2017 3:07 PM	P2-B5	4.656	1320	4.93	316.2 -> 241...		Oxycodone-D6	322.2 -> 304...	4.656	21206
Oxymorphone	302.1 -> 284...	10/16/2017 3:07 PM	P2-B5				302.1 -> 227...		Oxymorphone-D3	305.2 -> 287...	3.991	193881
Phentermine	150.1 -> 65.2	10/16/2017 3:07 PM	P2-B5	4.895	5962	Infinity	150.1 -> 133...		Phentermine-D5	155.2 -> 96.2...	4.854	427492
Promethazine	285.1 -> 86.2	10/16/2017 3:07 PM	P2-B5				285.1 -> 71.3...		Promethazine-D3	288.2 -> 89.2...	5.924	368498
Quetiapine	384.2 -> 253...	10/16/2017 3:07 PM	P2-B5	5.954	566930	1685.95	384.2 -> 221...		Quetiapine-D8	392.2 -> 226...	5.913	182876
Sertraline	306.1 -> 158...	10/16/2017 3:07 PM	P2-B5	6.105	108	0.29	306.1 -> 275...		Sertraline-D3	309.1 -> 275...	6.124	225528
Sufentanil	387.2 -> 238...	10/16/2017 3:07 PM	P2-B5				387.2 -> 111...		Sufentanil-D5	392.2 -> 238...	5.933	326676
Temazepam	301.1 -> 255...	10/16/2017 3:07 PM	P2-B5	6.167	502105	Infinity	301.1 -> 283...		Temazepam-D5	306.1 -> 260...	6.146	279789

Compound Method		PT external control-SP				PT external control-SP Re...	Qualifier I M...	Qualifier...	ISTD Method			ISTD Results
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	10/16/2017 3:07 PM	P2-B5	5.174	6349	Infinity	264.2 -> 43.3	3.71	Tramadol-13C-D3	268.2 -> 58.3	5.153	11753...
Trazodone	372.2 -> 176...	10/16/2017 3:07 PM	P2-B5	5.975	941	0.98	372.2 -> 148...	1.06	Sufentanil-D5	392.2 -> 238...	5.933	32676
Venlafaxine	278.2 -> 58.3	10/16/2017 3:07 PM	P2-B5				278.2 -> 260...		Venlafaxine-D6	284.2 -> 64.3	5.478	155491
Zolpidem	308.2 -> 235...	10/16/2017 3:07 PM	P2-B5	5.759	19624...	12359...	308.2 -> 263...	1151.09	Zolpidem-D6	314.2 -> 235...	5.737	839092

Did not evaluate norpropoxyphene.

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Qualifier S/N	Quant...	ISTD Name	ISTD Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	10/17/2017 12:20 AM	P2-H12	5.404	30040	173.90	284.1 -> 93.2	25.57		7-aminoflunitrazepam-D7	291.2 -> 138...	5.403	474576
alpha-hydroxymidazolam	342.1 -> 324...	10/17/2017 12:20 AM	P2-H12	6.048	47340	Infinity	342.1 -> 203...	53.28		alpha-hydroxymidazolam-...	346.1 -> 328...	6.048	1112201
Amitriptyline	278.2 -> 91.2	10/17/2017 12:20 AM	P2-H12	5.997	156621	22.73	278.2 -> 105...	43.68		Amitriptyline-D3	281.2 -> 91.2	5.996	427006
Amoxapine	314.1 -> 271...	10/17/2017 12:20 AM	P2-H12	5.949	10890	35.57	314.1 -> 193...	174.41		Amitriptyline-D3	281.2 -> 91.2	5.996	427006
Benzoylecgonine	290.1 -> 168...	10/17/2017 12:20 AM	P2-H12	5.058	7115	698.79	290.1 -> 105...	77.36		Benzoylecgonine-D8	298.2 -> 171...	5.057	3162
Carbamazepine	237.1 -> 193...	10/17/2017 12:20 AM	P2-H12	5.759	21190	26.78	237.1 -> 194...	125.87		Carbamazepine-13C6	243.1 -> 200...	5.779	806281
Chlordiazepoxide	300.1 -> 227...	10/17/2017 12:20 AM	P2-H12	6.177	8010	17.58	300.1 -> 282...	19.28		Chlordiazepoxide-D5	305.1 -> 286...	6.176	210933
Clomipramine	315.2 -> 86.2	10/17/2017 12:20 AM	P2-H12	6.174	267713	541.47	315.2 -> 58.3	237.07		Clomipramine-D3	318.2 -> 89.2	6.173	3334238
Cocaine	304.2 -> 182...	10/17/2017 12:20 AM	P2-H12	5.279	85475	373.02	304.2 -> 105...	104.47		Cocaine-D3	307.2 -> 185...	5.299	211146
Desipramine	267.2 -> 72.3	10/17/2017 12:20 AM	P2-H12	5.937	154950	335.75	267.2 -> 105...	Infinity		Desipramine-D3	270.2 -> 75.3	5.937	70646
Doxepin	280.2 -> 107...	10/17/2017 12:20 AM	P2-H12	5.753	12535	48.27	280.2 -> 77.2	Infinity		Doxepin-D3	283.2 -> 107...	5.752	2968
Estazolam	295.1 -> 267...	10/17/2017 12:20 AM	P2-H12	6.014	17366	125.31	295.1 -> 205...	122.05		Estazolam-D5	300.1 -> 272...	6.013	353711
Flunitrazepam	314.1 -> 268...	10/17/2017 12:20 AM	P2-H12	6.051	73782	8941...	314.1 -> 239...	62.17		Flunitrazepam-D7	321.1 -> 245...	6.030	23456
Flurazepam	388.2 -> 315...	10/17/2017 12:20 AM	P2-H12	5.742	150199	Infinity	388.2 -> 317...	17.96		Zopiclone-D4	393.1 -> 244...	5.620	10140
Imipramine	281.2 -> 86.2	10/17/2017 12:20 AM	P2-H12	5.956	173136	273.79	281.2 -> 58.3	346.22		Imipramine-D3	284.2 -> 61.3	5.955	440825
Levamisole	205.1 -> 91.2	10/17/2017 12:20 AM	P2-H12	4.704	38888	99.56	205.1 -> 178...	97.35		Meperidine-D4	252.2 -> 224...	5.287	36586
Maprotiline	278.2 -> 91.2	10/17/2017 12:20 AM	P2-H12	5.692	106965	206.08	278.2 -> 117...	Infinity		Meperidine-D4	252.2 -> 224...	5.287	36586
MDA	180.1 -> 163...	10/17/2017 12:20 AM	P2-H12	4.727	52229	36.69	180.1 -> 105...	25.05		MDA-D5	185.1 -> 168...	4.706	88263
MDEA	208.1 -> 163...	10/17/2017 12:20 AM	P2-H12	4.968	92567	209.84	208.1 -> 105...	121.46		MDEA-D6	214.2 -> 166...	4.967	210837
MDMA	194.1 -> 163...	10/17/2017 12:20 AM	P2-H12	4.827	101626	126.59	194.1 -> 105...	139.66		MDMA-D6	200.2 -> 166...	4.806	10548
Meperidine	248.2 -> 220...	10/17/2017 12:20 AM	P2-H12	5.288	39383	106.74	248.2 -> 174...	46.94		Meperidine-D4	252.2 -> 224...	5.287	36586
Methylphenidate	234.2 -> 84.2	10/17/2017 12:20 AM	P2-H12	5.229	150247	58.67	234.2 -> 56.3	252.60		Meperidine-D4	252.2 -> 224...	5.287	36586
Metoprolol	268.2 -> 116...	10/17/2017 12:20 AM	P2-H12	5.162	22622	102.45	268.2 -> 56.3	78.75		Meperidine-D4	252.2 -> 224...	5.287	36586
Midazolam	326.1 -> 223...	10/17/2017 12:20 AM	P2-H12	6.192	24214	46.51	326.1 -> 249...	178.62		Midazolam-D4	330.1 -> 295...	6.191	343675
Mirtazapine	266.2 -> 195...	10/17/2017 12:20 AM	P2-H12	5.490	46291	118.69	266.2 -> 72.3	62.85		Midazolam-D4	330.1 -> 295...	6.191	343675
Mitragynine	399.2 -> 174...	10/17/2017 12:20 AM	P2-H12	5.761	59091	516.24	399.2 -> 238...	62.34		Carbamazepine-13C6	243.1 -> 200...	5.779	806281
Normeperidine	234.1 -> 42.3	10/17/2017 12:20 AM	P2-H12	5.290	45356	143.25	234.1 -> 160...	52.68		Normeperidine-D4	238.2 -> 164...	5.289	241168
Norpropoxyphene	326.2 -> 44.3	10/17/2017 12:20 AM	P2-H12	5.846	13507	Infinity	326.2 -> 252...			Norpropoxyphene-D5	331.2 -> 44.3	5.825	53687
Nortriptyline	264.2 -> 91.2	10/17/2017 12:20 AM	P2-H12	5.897	331629	348.32	264.2 -> 233...	1116...		Nortriptyline-D3	267.2 -> 233...	5.978	154746
Ondansetron	294.2 -> 184...	10/17/2017 12:20 AM	P2-H12	5.443	71794	579.61	294.2 -> 212...	33.17		Pentazocine-13C3	289.2 -> 72.3	5.362	506170
Pentazocine	286.2 -> 218...	10/17/2017 12:20 AM	P2-H12	5.362	43291	117.08	286.2 -> 41.3	115.17		Pentazocine-13C3	289.2 -> 72.3	5.362	506170
Phenazepam	349.0 -> 206...	10/17/2017 12:20 AM	P2-H12	6.108	7815	103.63	349.0 -> 183...	31.82		Phenazepam-D4	353.0 -> 183...	6.087	5658
Phencyclidine	244.2 -> 86.2	10/17/2017 12:20 AM	P2-H12	5.575	13711	28.51	244.2 -> 91.1	210.06		Phencyclidine-D5	249.2 -> 86.2	5.554	216754
Phenytoin	253.1 -> 104...	10/17/2017 12:20 AM	P2-H12	5.675	836	224.14	253.1 -> 182...	64.36		Phenytoin-D10	263.2 -> 192...	5.655	2900
Prazepam	325.1 -> 271...	10/17/2017 12:20 AM	P2-H12	6.577	151997	539.73	325.1 -> 140...	510.02		Prazepam-D5	330.1 -> 276...	6.576	12664...
Primidone	219.1 -> 91.2	10/17/2017 12:20 AM	P2-H12	5.129	3603	6.68	219.1 -> 162...	11.72		Prazepam-D5	330.1 -> 276...	6.576	12664...
Propoxyphene	340.2 -> 58.3	10/17/2017 12:20 AM	P2-H12	5.845	202384	417.90	340.2 -> 266...	235.01		Propoxyphene-D11	351.3 -> 277...	5.824	3742
Protriptyline	264.2 -> 155...	10/17/2017 12:20 AM	P2-H12	5.897	630854	Infinity	264.2 -> 161...	Infinity		Nortriptyline-D3	267.2 -> 233...	5.978	154746
Pseudoephedrine	166.1 -> 148...	10/17/2017 12:20 AM	P2-H12	4.425	1792205	59.92	166.1 -> 133...	Infinity		Pseudoephedrine-D3	169.1 -> 151...	4.424	666427
Tapentadol	222.2 -> 107...	10/17/2017 12:20 AM	P2-H12	5.149	96664	120.51	222.2 -> 121...	68.47		Tapentadol-D3	225.2 -> 107...	5.149	253158
Trimipramine	295.2 -> 100...	10/17/2017 12:20 AM	P2-H12	6.034	190641	833.66	295.2 -> 58.3	124.91		Trimipramine-D3	298.2 -> 103...	6.034	12526...
Verapamil	455.3 -> 165...	10/17/2017 12:20 AM	P2-H12	5.801	204171	Infinity	455.3 -> 150...	461.60		Trimipramine-D3	298.2 -> 103...	6.034	12526...
Zaleplon	306.1 -> 236...	10/17/2017 12:20 AM	P2-H12	5.849	44544	313.98	306.1 -> 264...	246.38		Zaleplon-D4	310.2 -> 240...	5.848	34010
Zopiclone	389.1 -> 244...	10/17/2017 12:20 AM	P2-H12	5.620	7802	25.53	389.1 -> 216...	701.48		Zopiclone-D4	393.1 -> 244...	5.620	10140

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Quant S/N	IS Name	IS Transition	IS RT	IS Resp
7-aminoflunitrazepam	284.1 -> 135...	10/16/2017 2:57 PM	P2-A5	5.282	82	0.79	284.1 -> 93.2		7-aminoflunitrazepam-D7	291.2 -> 138...	5.423	538831
alpha-hydroxymidazolam	342.1 -> 324...	10/16/2017 2:57 PM	P2-A5	5.946	238	1.58	342.1 -> 203...	0.40	alpha-hydroxymidazolam-...	346.1 -> 328...	5.088	134063
Amitriptyline	278.2 -> 91.2	10/16/2017 2:57 PM	P2-A5	6.120	3306	1.94	278.2 -> 105...	0.54	Amitriptyline-D3	281.2 -> 91.2	5.996	504023
Amoxapine	314.1 -> 271...	10/16/2017 2:57 PM	P2-A5	6.153	111	0.45	314.1 -> 193...	15.00	Amitriptyline-D3	281.2 -> 91.2	5.996	504023
Benzoylecgonine	290.1 -> 168...	10/16/2017 2:57 PM	P2-A5	5.139	200	0.91	290.1 -> 105...	2.66	Benzoylecgonine-D8	298.2 -> 171...	5.077	3912
Carbamazepine	237.1 -> 193...	10/16/2017 2:57 PM	P2-A5	5.963	432	2.19	237.1 -> 194...	0.62	Carbamazepine-13C6	243.1 -> 200...	5.799	975096
Chlordiazepoxide	300.1 -> 227...	10/16/2017 2:57 PM	P2-A5	6.034	141	5.36	300.1 -> 282...	Infini...	Chlordiazepoxide-D5	305.1 -> 286...	6.196	328872
Clomipramine	315.2 -> 86.2	10/16/2017 2:57 PM	P2-A5	6.498	21	1.15	315.2 -> 58.3	0.40	Clomipramine-D3	318.2 -> 89.2	6.173	413119
Cocaine	304.2 -> 182...	10/16/2017 2:57 PM	P2-A5	5.401	364	3.72	304.2 -> 105...	1.00	Cocaine-D3	307.2 -> 185...	5.299	296938
Desipramine	267.2 -> 72.3	10/16/2017 2:57 PM	P2-A5	5.978	1100	6.10	267.2 -> 44.3	13.70	Desipramine-D3	270.2 -> 75.3	5.957	111241
Doxepin	280.2 -> 107...	10/16/2017 2:57 PM	P2-A5	5.956	14	0.27	280.2 -> 77.2	8.11	Doxepin-D3	283.2 -> 107...	5.772	6196
Estazolam	295.1 -> 267...	10/16/2017 2:57 PM	P2-A5				295.1 -> 205...		Estazolam-D5	300.1 -> 272...	6.034	417997
Flunitrazepam	314.1 -> 268...	10/16/2017 2:57 PM	P2-A5	6.113	1479	2.89	314.1 -> 239...	1.00	Flunitrazepam-D7	321.1 -> 245...	6.071	269943
Flurazepam	388.2 -> 315...	10/16/2017 2:57 PM	P2-A5	5.762	181	0.65	388.2 -> 317...		Zopiclone-D4	393.1 -> 244...	5.620	22053
Imipramine	281.2 -> 86.2	10/16/2017 2:57 PM	P2-A5	6.017	1746	7.35	281.2 -> 58.3	4.51	Imipramine-D3	284.2 -> 61.3	5.975	519005
Levamisole	205.1 -> 91.2	10/16/2017 2:57 PM	P2-A5	4.745	100	0.68	205.1 -> 178...		Cocaine-D3	307.2 -> 185...	5.299	296938
Maprotiline	278.2 -> 91.2	10/16/2017 2:57 PM	P2-A5	5.733	35	0.79	278.2 -> 117...		Meperidine-D4	252.2 -> 224...	5.287	42823
MDA	180.1 -> 163...	10/16/2017 2:57 PM	P2-A5	5.112	545	0.71	180.1 -> 105...	1.27	MDA-D5	185.1 -> 168...	4.706	100415
MDEA	208.1 -> 163...	10/16/2017 2:57 PM	P2-A5	4.886	511	0.44	208.1 -> 105...	0.15	MDEA-D6	214.2 -> 166...	4.967	267106
MDMA	194.1 -> 163...	10/16/2017 2:57 PM	P2-A5	4.887	428	0.84	194.1 -> 105...	0.43	MDMA-D6	200.2 -> 166...	4.827	12630
Meperidine	248.2 -> 220...	10/16/2017 2:57 PM	P2-A5	5.615	1864	4.33	248.2 -> 174...	0.30	Meperidine-D4	252.2 -> 224...	5.287	42823
Methylphenidate	234.2 -> 84.2	10/16/2017 2:57 PM	P2-A5	5.637	232	0.73	234.2 -> 56.3	0.64	Meperidine-D4	252.2 -> 224...	5.287	42823
Metoprolol	268.2 -> 116...	10/16/2017 2:57 PM	P2-A5	4.798	74	0.71	268.2 -> 56.3	4.01	Meperidine-D4	252.2 -> 224...	5.287	42823
Midazolam	326.1 -> 223...	10/16/2017 2:57 PM	P2-A5	6.395	90	1.52	326.1 -> 249...	0.82	Midazolam-D4	330.1 -> 295...	6.212	422168
Mirtazapine	266.2 -> 195...	10/16/2017 2:57 PM	P2-A5	5.428	56	0.51	266.2 -> 72.3	0.68	Midazolam-D4	330.1 -> 295...	6.212	422168
Mitragynine	399.2 -> 174...	10/16/2017 2:57 PM	P2-A5				399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	5.799	975096
Normeperidine	234.1 -> 42.3	10/16/2017 2:57 PM	P2-A5	5.168	56	0.53	234.1 -> 160...	0.73	Normeperidine-D4	238.2 -> 164...	5.310	278797
Norpropoxyphene	326.2 -> 44.3	10/16/2017 2:57 PM	P2-A5	5.887	33	0.31	326.2 -> 252...		Norpropoxyphene-D5	331.2 -> 44.3	5.866	92573
Nortriptyline	264.2 -> 91.2	10/16/2017 2:57 PM	P2-A5	5.836	82	0.26	264.2 -> 233...		Nortriptyline-D3	267.2 -> 233...	5.998	189720
Ondansetron	294.2 -> 184...	10/16/2017 2:57 PM	P2-A5	5.709	218	0.28	294.2 -> 212...	0.60	Pentazocine-13C3	289.2 -> 72.3	5.362	590615
Pentazocine	286.2 -> 218...	10/16/2017 2:57 PM	P2-A5	5.465	36	0.64	286.2 -> 41.3	3.96	Pentazocine-13C3	289.2 -> 72.3	5.362	590615
Phenazepam	349.0 -> 206...	10/16/2017 2:57 PM	P2-A5	6.068	601	3.02	349.0 -> 183...		Phenazepam-D4	353.0 -> 183...	6.128	5557
Phencyclidine	244.2 -> 86.2	10/16/2017 2:57 PM	P2-A5				244.2 -> 91.1		Phencyclidine-D5	249.2 -> 86.2	5.574	246764
Phenytoin	253.1 -> 104...	10/16/2017 2:57 PM	P2-A5				253.1 -> 140...		Phenytoin-D10	263.2 -> 192...	5.696	4620
Prazepam	325.1 -> 271...	10/16/2017 2:57 PM	P2-A5	6.638	112	0.79	325.1 -> 182...		Prazepam-D5	330.1 -> 276...	6.555	14942...
Primidone	219.1 -> 91.2	10/16/2017 2:57 PM	P2-A5	5.271	368	1.76	219.1 -> 162...		Prazepam-D5	330.1 -> 276...	6.555	14942...
Propoxyphene	340.2 -> 58.3	10/16/2017 2:57 PM	P2-A5	5.825	160	0.41	340.2 -> 266...		Propoxyphene-D11	351.3 -> 277...	5.864	5229
Protriptyline	264.2 -> 155...	10/16/2017 2:57 PM	P2-A5				264.2 -> 161...		Nortriptyline-D3	267.2 -> 233...	5.998	189720
Pseudoephedrine	166.1 -> 148...	10/16/2017 2:57 PM	P2-A5	4.707	723	0.94	166.1 -> 133...		Pseudoephedrine-D3	169.1 -> 151...	4.404	682432
Tapentadol	222.2 -> 107...	10/16/2017 2:57 PM	P2-A5	5.618	753	0.73	222.2 -> 121...	0.96	Tapentadol-D3	225.2 -> 107...	5.169	308957
Trimipramine	295.2 -> 100...	10/16/2017 2:57 PM	P2-A5	5.923	182	0.90	295.2 -> 58.3		Trimipramine-D3	298.2 -> 103...	6.034	15239...
Verapamil	455.3 -> 165...	10/16/2017 2:57 PM	P2-A5				455.3 -> 150...	0.96	Trimipramine-D3	298.2 -> 103...	6.034	15239...
Zaleplon	306.1 -> 236...	10/16/2017 2:57 PM	P2-A5	5.686	198	0.72	306.1 -> 264...		Zaleplon-D4	310.2 -> 240...	5.889	39183
Zopiclone	389.1 -> 244...	10/16/2017 2:57 PM	P2-A5				389.1 -> 216...		Zopiclone-D4	393.1 -> 244...	5.620	22053

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	10/16/2017 3:16 PM	P2-B5	5.445	490	1.97	284.1 -> 93.2		7-aminoflunitrazepam-D7	291.2 -> 138...	5.423	561590
alpha-hydroxymidazolam	342.1 -> 324...	10/16/2017 3:16 PM	P2-B5	6.170	44	0.42	342.1 -> 203...	3.75	alpha-hydroxymidazolam-...	346.1 -> 328...	6.068	141036
Amitriptyline	278.2 -> 91.2	10/16/2017 3:16 PM	P2-B5	6.100	2333	2.84	278.2 -> 105...	1.14	Amitriptyline-D3	281.2 -> 91.2	5.976	492101
Amoxapine	314.1 -> 271...	10/16/2017 3:16 PM	P2-B5	6.092	101	0.72	314.1 -> 193...	161.04	Amitriptyline-D3	281.2 -> 91.2	5.976	492101
Benzoylecgonine	290.1 -> 168...	10/16/2017 3:16 PM	P2-B5	5.058	278	3.25	290.1 -> 105...	1.16	Benzoylecgonine-D8	298.2 -> 171...	5.057	5035
Carbamazepine	237.1 -> 193...	10/16/2017 3:16 PM	P2-B5	5.310	1782	3.92	237.1 -> 194...	1.46	Carbamazepine-13C6	243.1 -> 200...	5.799	930164
Chlordiazepoxide	300.1 -> 227...	10/16/2017 3:16 PM	P2-B5	6.013	1148	2.55	300.1 -> 282...	10.92	Chlordiazepoxide-D5	305.1 -> 286...	6.176	305981
Clomipramine	315.2 -> 86.2	10/16/2017 3:16 PM	P2-B5	6.194	54	0.30	315.2 -> 58.3	0.74	Clomipramine-D3	318.2 -> 89.2	6.153	389736
Cocaine	304.2 -> 182...	10/16/2017 3:16 PM	P2-B5	5.320	895	2.89	304.2 -> 105...	0.62	Cocaine-D3	307.2 -> 185...	6.013	264869
Desipramine	267.2 -> 72.3	10/16/2017 3:16 PM	P2-B5	5.978	1062	4.14	267.2 -> 44.3	5.75	Desipramine-D3	270.2 -> 75.3	5.937	105329
Doxepin	280.2 -> 107...	10/16/2017 3:16 PM	P2-B5	5.487	88	0.61	280.2 -> 77.2	22.19	Doxepin-D3	283.2 -> 107...	5.732	3349
Estazolam	295.1 -> 267...	10/16/2017 3:16 PM	P2-B5	5.627	212	3.78	295.1 -> 205...	54.59	Estazolam-D5	300.1 -> 272...	6.013	414007
Flunitrazepam	314.1 -> 268...	10/16/2017 3:16 PM	P2-B5	6.092	1824	3.68	314.1 -> 239...	1.53	Flunitrazepam-D7	321.1 -> 245...	6.051	27241
Flurazepam	388.2 -> 315...	10/16/2017 3:16 PM	P2-B5	5.925	47	0.45	388.2 -> 317...		Zopiclone-D4	393.1 -> 244...	5.620	16782
Imipramine	281.2 -> 86.2	10/16/2017 3:16 PM	P2-B5	5.996	1036	6.35	281.2 -> 58.3	2.58	Imipramine-D3	284.2 -> 61.3	5.955	488860
Levamisole	205.1 -> 91.2	10/16/2017 3:16 PM	P2-B5	5.110	1236	0.76	205.1 -> 178...	0.74	Cocaine-D3	307.2 -> 185...	5.299	264869
Maprotiline	278.2 -> 91.2	10/16/2017 3:16 PM	P2-B5	5.651	372	2.68	278.2 -> 117...		Meperidine-D4	252.2 -> 224...	5.287	42002
MDA	180.1 -> 163...	10/16/2017 3:16 PM	P2-B5				180.1 -> 105...		MDA-D5	185.1 -> 168...	4.706	96810
MDEA	208.1 -> 163...	10/16/2017 3:16 PM	P2-B5				208.1 -> 105...		MDEA-D6	214.2 -> 166...	4.967	260051
MDMA	194.1 -> 163...	10/16/2017 3:16 PM	P2-B5	4.827	686	0.81	194.1 -> 105...	0.55	MDMA-D6	200.2 -> 166...	4.806	11570
Meperidine	248.2 -> 220...	10/16/2017 3:16 PM	P2-B5	5.635	3131	20.52	248.2 -> 174...		Meperidine-D4	252.2 -> 224...	5.287	42002
Methylphenidate	234.2 -> 84.2	10/16/2017 3:16 PM	P2-B5	5.392	173	2.59	234.2 -> 56.3		Meperidine-D4	252.2 -> 224...	5.287	42002
Metoprolol	268.2 -> 116...	10/16/2017 3:16 PM	P2-B5	5.101	19	0.54	268.2 -> 56.3	4.51	Meperidine-D4	252.2 -> 224...	5.287	42002
Midazolam	326.1 -> 223...	10/16/2017 3:16 PM	P2-B5	6.375	40	0.75	326.1 -> 249...		Midazolam-D4	330.1 -> 295...	6.191	426706
Mirtazapine	266.2 -> 195...	10/16/2017 3:16 PM	P2-B5	5.388	69	0.48	266.2 -> 72.3	0.49	Midazolam-D4	330.1 -> 295...	6.191	426706
Mitragynine	399.2 -> 174...	10/16/2017 3:16 PM	P2-B5	6.126	39	0.74	399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	5.799	930164
Normeperidine	234.1 -> 42.3	10/16/2017 3:16 PM	P2-B5	5.229	109	0.50	234.1 -> 160...	0.42	Normeperidine-D4	238.2 -> 164...	5.289	269319
Norpropoxyphene	326.2 -> 44.3	10/16/2017 3:16 PM	P2-B5	5.765	75	0.41	326.2 -> 252...		Norpropoxyphene-D5	331.2 -> 44.3	5.846	79874
Nortriptyline	264.2 -> 91.2	10/16/2017 3:16 PM	P2-B5	6.041	158	1.35	264.2 -> 233...	3.77	Nortriptyline-D3	267.2 -> 233...	5.978	180997
Ondansetron	294.2 -> 184...	10/16/2017 3:16 PM	P2-B5	5.525	483	0.74	294.2 -> 212...		Pentazocine-13C3	289.2 -> 72.3	5.362	558166
Pentazocine	286.2 -> 218...	10/16/2017 3:16 PM	P2-B5				286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.362	558166
Phenazepam	349.0 -> 206...	10/16/2017 3:16 PM	P2-B5	6.068	713	190.95	349.0 -> 183...		Phenazepam-D4	353.0 -> 183...	6.108	6678
Phencyclidine	244.2 -> 86.2	10/16/2017 3:16 PM	P2-B5	5.595	20	0.22	244.2 -> 91.1	0.34	Phencyclidine-D5	249.2 -> 86.2	5.574	248762
Phenytoin	253.1 -> 104...	10/16/2017 3:16 PM	P2-B5				253.1 -> 182...		Phenytoin-D10	263.2 -> 192...	5.696	4202
Prazepam	325.1 -> 271...	10/16/2017 3:16 PM	P2-B5	6.497	70	0.31	325.1 -> 140...	0.07	Prazepam-D5	330.1 -> 276...	6.536	14469
Primidone	219.1 -> 91.2	10/16/2017 3:16 PM	P2-B5	5.557	235	0.79	219.1 -> 162...		Prazepam-D5	330.1 -> 276...	6.536	14469
Propoxyphene	340.2 -> 58.3	10/16/2017 3:16 PM	P2-B5	5.805	85	0.51	340.2 -> 266...		Propoxyphene-D11	351.3 -> 277...	5.844	3143
Protriptyline	264.2 -> 155...	10/16/2017 3:16 PM	P2-B5				264.2 -> 161...		Nortriptyline-D3	267.2 -> 233...	5.978	180997
Pseudoephedrine	166.1 -> 148...	10/16/2017 3:16 PM	P2-B5	4.606	154	0.31	166.1 -> 133...	0.72	Pseudoephedrine-D3	169.1 -> 151...	4.404	701939
Tapentadol	222.2 -> 107...	10/16/2017 3:16 PM	P2-B5				222.2 -> 121...		Tapentadol-D3	225.2 -> 107...	5.149	301907
Trimipramine	295.2 -> 100...	10/16/2017 3:16 PM	P2-B5	6.308	86	0.73	295.2 -> 58.3		Trimipramine-D3	298.2 -> 103...	6.014	14784
Verapamil	455.3 -> 165...	10/16/2017 3:16 PM	P2-B5	5.707	72	0.78	455.3 -> 150...		Trimipramine-D3	298.2 -> 103...	6.014	14784
Zaleplon	306.1 -> 236...	10/16/2017 3:16 PM	P2-B5				306.1 -> 264...	1.29	Zaleplon-D4	310.2 -> 240...	5.869	38502
Zopiclone	389.1 -> 244...	10/16/2017 3:16 PM	P2-B5	5.620	71094	568.00	389.1 -> 216...	45.50	Zopiclone-D4	393.1 -> 244...	5.620	16782