

Worklist: 2148

AM #7 central file for ELISA available upon request.

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<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2018-0045	1	104468	AM 25 Blood Multi-Drug Screer	
M2017-5558	1	105830	AM 25 Blood Multi-Drug Screer	
M2017-5822	1	105346	AM 25 Blood Multi-Drug Screer	
M2017-5888	1	106167	AM 25 Blood Multi-Drug Screer	
M2017-5890	1	106183	AM 25 Blood Multi-Drug Screer	
M2017-5967	3	105341	AM 25 Blood Multi-Drug Screer	
M2018-0147	1	104602	AM 25 Blood Multi-Drug Screer	
M2018-0164	1	104735	AM 25 Blood Multi-Drug Screer	
M2018-0196	1	104774	AM 25 Blood Multi-Drug Screer	
M2018-0204	1	104845	AM 25 Blood Multi-Drug Screer	
P2017-2808	1	106204	AM 25 Blood Multi-Drug Screer	
P2017-2999	1	106195	AM 25 Blood Multi-Drug Screer	
P2018-0109	2	104551	AM 25 Blood Multi-Drug Screer	
P2018-0109	3	104555	AM 25 Blood Multi-Drug Screer	
P2018-0218	1	105406	AM 25 Blood Multi-Drug Screer	
P2018-0221	1	105522	AM 25 Blood Multi-Drug Screer	
P2018-0222	1	105525	AM 25 Blood Multi-Drug Screer	
P2018-0223	1	105529	AM 25 Blood Multi-Drug Screer	
P2018-0224	1	105536	AM 25 Blood Multi-Drug Screer	
P2018-0244	1	105647	AM 25 Blood Multi-Drug Screer	
P2018-0251	1	105751	AM 25 Blood Multi-Drug Screer	
P2018-0262	1	105826	AM 25 Blood Multi-Drug Screer	
P2018-0265	1	105874	AM 25 Blood Multi-Drug Screer	

Worklist: 2148

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-0271	1	105917	AM 25 Blood Multi-Drug Screer
P2018-0272	1	105920	AM 25 Blood Multi-Drug Screer
P2018-0273	1	106202	AM 25 Blood Multi-Drug Screer



A



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

SP

Extraction Date: 02/02/18

Analyst: Sarah Pickle

Plate lot#: 0515207

Plate Expiration: 10/18/18

Mobile phase A: 10mM Ammonium Formate
0.5M Ammonium Hydroxide

Mobile 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:

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 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 ID 067103
- 13. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

POST-ANALYTIC

- 1. Create batch and process data.
Worklist path: 020218 SP MDScreen Batch Name: MDS Panel 1 SP 020218
- 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:

Did not evaluate protriptyline due to low peak area for the qualifier.

AM25

Multidrug Screen External Control Preparation Information

Lot 053117

P

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 ^{9600ul - 75} 9960ul of LC MeOH (BDH Lot 15H250514). 100ul of the working solution was added to 9900ul of blood (Hemostat Lot 361331-3).

Prepared: 12/27/17 By: TNS
Expired: ~~06/27/18~~
05/31/18 P

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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	MM	Transition	S/N	Area	Name	Transition	RT	Resp						
6-MAM	328.2 -> 165...	2/2/2018 2:34 PM	4.858	1347	7.65		328.2 -> 211...	5.15	1225	6-MAM-D6	334.2 -> 165...	4.837	59719						
7-aminoclonazepam	286.1 -> 121...	2/2/2018 2:34 PM	5.232	26001	6330.14		286.1 -> 222...	18.88	5395	7-Aminoclonazepam-D4	290.1 -> 121...	5.210	36526						
Acetyl Fentanyl	323.2 -> 105...	2/2/2018 2:34 PM	5.633	13169	2825.84		323.2 -> 188...	10.98	6811	Acetyl Fentanyl-D5	328.2 -> 105...	5.632	1173351						
Acetyl Norfentanyl	219.1 -> 84.2	2/2/2018 2:34 PM	4.671	8930	3011.74		219.1 -> 56.3	20.34	2375	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.650	406758						
a-hydroxyalprazolam	325.1 -> 297...	2/2/2018 2:34 PM	6.018	6470	2316.41		325.1 -> 215...	7.61	1693	a-hydroxyalprazolam-D5	330.1 -> 302...	6.017	28655						
alpha-PVP	232.2 -> 91.0	2/2/2018 2:34 PM	5.321	75551	408.88		232.2 -> 77.1	106.30	48299	alpha-PVP-d8	240.2 -> 91.1	5.299	530448						
Alprazolam	309.1 -> 281...	2/2/2018 2:34 PM	6.124	80981	Infinity		309.1 -> 205...	90.96	32533	Alprazolam-D5	314.1 -> 286...	6.123	300206						
Amphetamine	136.1 -> 136...	2/2/2018 2:34 PM	4.612	145362	67.90		136.1 -> 119...	1148.70	52864	Amphetamine-D11	147.2 -> 130...	4.551	6394						
Bupropion	240.1 -> 184...	2/2/2018 2:34 PM	5.524	87588	105.60		240.1 -> 131...	23207...	92348	Ketamine-D4	242.1 -> 129...	5.361	503201						
Carisoprodol	261.2 -> 176...	2/2/2018 2:34 PM	5.766	2871	929.38		261.2 -> 55.3	40.20	33144	Carisoprodol-D7	268.2 -> 183...	5.765	43610						
Citalopram	325.2 -> 109...	2/2/2018 2:34 PM	5.774	175628	957.26		325.2 -> 262...	4778.14	39192	Citalopram-D6	331.2 -> 109...	5.753	377258						
Clonazepam	316.1 -> 269...	2/2/2018 2:34 PM	5.980	9534	190.75		316.1 -> 213...	137.80	1772	Clonazepam-D4	320.1 -> 217...	5.959	8804						
Codeine	300.2 -> 215...	2/2/2018 2:34 PM	4.842	13002	2401.59		300.2 -> 165...	1981.27	13859	Codeine-D6	306.2 -> 218...	4.800	48227						
Cyclobenzaprine	276.2 -> 214...	2/2/2018 2:34 PM	6.049	83891	582.40		276.2 -> 231...	17096...	35092	Cyclobenzaprine-D3	279.2 -> 215...	6.048	443604						
Dextromethorphan	272.2 -> 171...	2/2/2018 2:34 PM	5.806	95254	26440.98		272.2 -> 147...	21619...	90549	Dextromethorphan-D3	275.2 -> 171...	5.805	261223						
Dextrophan	258.2 -> 157...	2/2/2018 2:34 PM	5.155	46809	426.47		258.2 -> 133...	Infinity	52041	Dextrophan-D3	261.2 -> 157...	5.154	233214						
Diazepam	285.1 -> 193...	2/2/2018 2:34 PM	6.351	39767	75.29		285.1 -> 153...	Infinity	57690	Diazepam-D5	290.1 -> 198...	6.329	167165						
Dihydrocodeine	302.2 -> 198...	2/2/2018 2:34 PM	4.679	21839	12.62		302.2 -> 128...	4301.23	18979	Dihydrocodeine-D6	308.2 -> 202...	4.657	110700						
Diphenhydramine	256.2 -> 167...	2/2/2018 2:34 PM	5.747	132926	203.10		256.2 -> 152...	Infinity	73428	Diphenhydramine-D3	259.2 -> 167...	5.726	1227609						
Doxylamine	271.2 -> 182...	2/2/2018 2:34 PM	5.398	124995	1205.85		271.2 -> 167...	134.40	1976...	Doxylamine-D5	276.2 -> 187...	5.397	280097						
EDDP	279.2 -> 235...	2/2/2018 2:34 PM	5.783	376823	589.77		279.2 -> 250...	44325...	1835...	EDDP-D3	282.2 -> 235...	5.783	152745						
Fentanyl	337.2 -> 105...	2/2/2018 2:34 PM	5.834	12646	2743.43		337.2 -> 188...	8.87	5565	Fentanyl-D5	342.3 -> 105...	5.833	930381						
Fluoxetine	310.1 -> 44.3	2/2/2018 2:34 PM	5.981	32411	Infinity		310.1 -> 148...	18.78	6900	Fluoxetine-D6	316.2 -> 44.3	5.980	1351680						
Hydrocodone	300.2 -> 198...	2/2/2018 2:34 PM	4.924	24744	Infinity		300.2 -> 128...	8.62	16111	Hydrocodone-D6	306.2 -> 202...	4.922	206089						
Hydromorphone	286.2 -> 184...	2/2/2018 2:34 PM	4.419	22995	Infinity		286.2 -> 157...	Infinity	27970	Hydromorphone-D6	292.2 -> 185...	4.378	80153						
Ketamine	238.1 -> 125...	2/2/2018 2:34 PM	5.362	143127	52.60		238.1 -> 220...	9898.83	30888	Ketamine-D4	242.1 -> 129...	5.361	503201						
Meprobamate	219.1 -> 158...	2/2/2018 2:34 PM	5.281	5008	18.98		219.1 -> 97.1	19.71	3109	Carisoprodol-D7	268.2 -> 183...	5.765	43610						
Methadone	310.2 -> 265...	2/2/2018 2:34 PM	6.082	253001	Infinity		310.2 -> 105...	389.90	1582...	Methadone-D9	319.3 -> 268...	6.061	898076						
Methamphetamine	150.1 -> 91.1	2/2/2018 2:34 PM	4.794	101530	26.97		150.1 -> 119...	Infinity	28428	Methamphetamine-D11	161.2 -> 97.1	4.753	194645						
Morphine	286.2 -> 201...	2/2/2018 2:34 PM	4.118	5955	45.26		286.2 -> 165...	9.21	4551	Morphine-D6	292.2 -> 152...	4.056	16594						
Naloxone	328.2 -> 309...	2/2/2018 2:34 PM	4.981	30651	26.61		328.2 -> 211...	16.16	3677	Naltrexol-D3	347.2 -> 329...	4.755	171420						
Naltrexol	344.2 -> 326...	2/2/2018 2:34 PM	4.776	107732	23146.20		344.2 -> 308...	7422.19	24889	Naltrexol-D3	347.2 -> 329...	4.755	171420						
Naltrexone	342.2 -> 324...	2/2/2018 2:34 PM	4.878	45626	524.87		342.2 -> 55.3	7127.19	28489	Naltrexol-D3	347.2 -> 329...	4.755	171420						
Norbuprenorphine	414.3 -> 101...	2/2/2018 2:34 PM	5.568	1592	422.75		414.3 -> 57.3	243.97	1125	Norbuprenorphine-D3	417.3 -> 101...	5.547	4107						
Nordiazepam	271.1 -> 140...	2/2/2018 2:34 PM	6.193	19859	Infinity		271.1 -> 208...	Infinity	7288	Nordiazepam-D5	276.1 -> 140...	6.192	48864						
Norfentanyl	233.2 -> 84.2	2/2/2018 2:34 PM	5.076	150700	38929.65		233.2 -> 55.3	Infinity	39581	Norfentanyl-D5	238.2 -> 84.2	5.075	622596						
Norhydrocodone	286.2 -> 199...	2/2/2018 2:34 PM	4.763	3693	Infinity		286.2 -> 171...	36.40	2459	Norhydrocodone-D3	289.2 -> 202...	4.762	54619						
Noroxycodone	302.1 -> 284...	2/2/2018 2:34 PM	4.679	24030	Infinity		302.1 -> 186...	Infinity	8823	Noroxycodone-D3	305.2 -> 287...	4.658	99242						
O-desmethyl-tramadol	250.2 -> 58.3	2/2/2018 2:34 PM	4.708	232926	Infinity		250.2 -> 42.3	35.56	5814	O-desmethyl-tramadol...	256.2 -> 64.3	4.688	644209						
Oxazepam	287.1 -> 240...	2/2/2018 2:34 PM	6.046	2889	Infinity		287.1 -> 268...	Infinity	5119	Oxazepam-D5	292.1 -> 246...	6.025	35225						
Oxycodone	316.2 -> 298...	2/2/2018 2:34 PM	4.819	91856	Infinity		316.2 -> 241...	16.43	19232	Oxycodone-D6	322.2 -> 304...	4.798	174162						
Oxymorphone	302.1 -> 284...	2/2/2018 2:34 PM	4.094	82921	Infinity		302.1 -> 227...	Infinity	12869	Oxymorphone-D3	305.2 -> 287...	4.073	418472						
Penthermine	150.1 -> 65.2	2/2/2018 2:34 PM	4.915	26069	Infinity		150.1 -> 133...	616.32	1977	Penthermine-D5	155.2 -> 96.2	4.895	326105						
Promethazine	285.1 -> 86.2	2/2/2018 2:34 PM	6.046	292038	620.64		285.1 -> 71.3	92.21	55762	Promethazine-D3	288.2 -> 89.2	6.046	997262						
Quetiapine	384.2 -> 253...	2/2/2018 2:34 PM	6.157	261394	791.79		384.2 -> 221...	289.05	1268...	Quetiapine-D8	392.2 -> 226...	6.116	276647						
Sertraline	306.1 -> 158...	2/2/2018 2:34 PM	6.247	136261	765.15		306.1 -> 275...	14100...	55644	Sertraline-D3	309.1 -> 275...	6.246	416761						
Sufentanil	387.2 -> 238...	2/2/2018 2:34 PM	6.157	12180	31.66		387.2 -> 111...	63.85	14489	Sufentanil-D5	392.2 -> 238...	6.156	458189						

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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	ML	Transition	S/N	Area	Name	Transition	RT	Resp
Temazepam	301.1 -> 255...	2/2/2018 2:34 PM	6.167	57869	1060.99	<input type="checkbox"/>	301.1 -> 283...	Infinity	22157	Temazepam-D5	306.1 -> 260...	6.166	319354
Tramadol	264.2 -> 58.3	2/2/2018 2:34 PM	5.195	297659	Infinity	<input type="checkbox"/>	264.2 -> 43.3	17.74	4859	Tramadol-13C-D3	268.2 -> 58.3	5.174	1089034
Trazodone	372.2 -> 176...	2/2/2018 2:34 PM	6.300	324223	Infinity	<input type="checkbox"/>	372.2 -> 148...	Infinity	3085...	Sufentanil-D5	392.2 -> 238...	6.156	458189
Venlafaxine	278.2 -> 58.3	2/2/2018 2:34 PM	5.519	281857	Infinity	<input type="checkbox"/>	278.2 -> 260...	114.06	19338	Venlafaxine-D6	284.2 -> 64.3	5.518	605325
Zolpidem	308.2 -> 235...	2/2/2018 2:34 PM	5.942	308731	8599.19	<input type="checkbox"/>	308.2 -> 263...	51.17	1006...	Zolpidem-D6	314.2 -> 235...	5.940	1694298

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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	Area	Transition	S/N	Area	Transition	Name	Transition	RT	Resp	Name	Transition	RT	Resp		
6-MAM	328.2 -> 165...	2/2/2018 2:54 PM	4.858	115	55.62	126	328.2 -> 211...	0.51	126	328.2 -> 165...	6-MAM-D6	334.2 -> 165...	4.837	60389						
7-aminoclonazepam	286.1 -> 121...	2/2/2018 2:54 PM					286.1 -> 222...			286.1 -> 121...	7-Aminoclonazepam-D4	290.1 -> 121...	5.231	46629						
Acetyl Fentanyl	323.2 -> 105...	2/2/2018 2:54 PM					323.2 -> 188...			323.2 -> 105...	Acetyl Fentanyl-D5	328.2 -> 105...	5.632	12067...						
Acetyl Norfentanyl	219.1 -> 84.2	2/2/2018 2:54 PM	4.650	74	0.74	89	219.1 -> 56.3	2.02	89	219.1 -> 84.2	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.650	421933						
a-hydroxylalprazolam	325.1 -> 297...	2/2/2018 2:54 PM					325.1 -> 215...			325.1 -> 297...	a-hydroxylalprazolam-D5	330.1 -> 302...	6.017	25811						
alpha-PVP	232.2 -> 91.0	2/2/2018 2:54 PM	5.342	329	4.83		232.2 -> 77.1			232.2 -> 91.0	alpha-PVP-d8	240.2 -> 91.1	5.320	573300						
Alprazolam	309.1 -> 281...	2/2/2018 2:54 PM	5.962	1190	2.21	308	309.1 -> 205...	3.13	308	309.1 -> 281...	Alprazolam-D5	314.1 -> 286...	6.123	310687						
Amphetamine	136.1 -> 91.1	2/2/2018 2:54 PM	4.632	26653	Infinity	710	136.1 -> 119...	4.97	710	136.1 -> 91.1	Amphetamine-D11	147.2 -> 130...	4.551	5603						
Bupropion	240.1 -> 184...	2/2/2018 2:54 PM	5.484	31	0.66	37	240.1 -> 131...	0.20	37	240.1 -> 184...	Ketamine-D4	242.1 -> 129...	5.361	582464						
Carisoprodol	261.2 -> 176...	2/2/2018 2:54 PM					261.2 -> 55.3			261.2 -> 176...	Carisoprodol-D7	268.2 -> 183...	5.765	45426						
Citalopram	325.2 -> 109...	2/2/2018 2:54 PM	5.693	696	1.46		325.2 -> 262...			325.2 -> 109...	Citalopram-D6	331.2 -> 109...	5.773	388254						
Clonazepam	316.1 -> 269...	2/2/2018 2:54 PM					316.1 -> 213...			316.1 -> 269...	Clonazepam-D4	320.1 -> 217...	5.959	12044						
Codeine	300.2 -> 215...	2/2/2018 2:54 PM	4.660	76	0.81		300.2 -> 165...			300.2 -> 215...	Codeine-D6	306.2 -> 218...	4.800	59566						
Cyclobenzaprine	276.2 -> 214...	2/2/2018 2:54 PM	6.009	84	1.11	119	276.2 -> 231...	1.54	119	276.2 -> 214...	Cyclobenzaprine-D3	279.2 -> 215...	6.048	478073						
Dextromethorphan	272.2 -> 171...	2/2/2018 2:54 PM	4.951	913	2.28		272.2 -> 147...			272.2 -> 171...	Dextromethorphan-D3	275.2 -> 171...	5.805	277277						
Dextropropion	258.2 -> 157...	2/2/2018 2:54 PM					258.2 -> 133...			258.2 -> 157...	Dextropropion-D3	261.2 -> 157...	5.154	227193						
Diazepam	285.1 -> 193...	2/2/2018 2:54 PM					285.1 -> 153...			285.1 -> 193...	Diazepam-D5	290.1 -> 198...	6.350	193270						
Dihydrocodeine	302.2 -> 198...	2/2/2018 2:54 PM	4.801	50	1.71	42	302.2 -> 128...	0.85	42	302.2 -> 198...	Dihydrocodeine-D6	308.2 -> 202...	4.657	122708						
Diphenhydramine	256.2 -> 167...	2/2/2018 2:54 PM	5.726	280	1.22	407	256.2 -> 152...	3.38	407	256.2 -> 167...	Diphenhydramine-D3	259.2 -> 167...	5.746	12842...						
Doxylamine	271.2 -> 182...	2/2/2018 2:54 PM	5.398	664	1.67	926	271.2 -> 167...	1.93	926	271.2 -> 182...	Doxylamine-D5	276.2 -> 187...	5.397	285643						
EDDP	279.2 -> 235...	2/2/2018 2:54 PM	5.763	1048	3.68	634	279.2 -> 250...	2.60	634	279.2 -> 235...	EDDP-D3	282.2 -> 235...	5.783	166013						
Fentanyl	337.2 -> 105...	2/2/2018 2:54 PM	5.874	47	0.55		337.2 -> 188...			337.2 -> 105...	Fentanyl-D5	342.3 -> 105...	5.833	962106						
Fluoxetine	310.1 -> 44.3	2/2/2018 2:54 PM					310.1 -> 148...			310.1 -> 44.3	Fluoxetine-D6	316.2 -> 44.3	5.980	14109...						
Hydrocodone	300.2 -> 198...	2/2/2018 2:54 PM	4.842	66	0.66	219	300.2 -> 128...	1.19	219	300.2 -> 198...	Hydrocodone-D6	306.2 -> 202...	4.922	222602						
Hydromorphone	286.2 -> 184...	2/2/2018 2:54 PM					286.2 -> 157...			286.2 -> 184...	Hydromorphone-D6	292.2 -> 185...	4.378	89847						
Ketamine	238.1 -> 125...	2/2/2018 2:54 PM	5.484	460	0.53		238.1 -> 220...			238.1 -> 125...	Ketamine-D4	242.1 -> 129...	5.361	582464						
Meprobamate	219.1 -> 158...	2/2/2018 2:54 PM					219.1 -> 97.1			219.1 -> 158...	Carisoprodol-D7	268.2 -> 183...	5.765	45426						
Methadone	310.2 -> 265...	2/2/2018 2:54 PM	6.082	160	0.24	182	310.2 -> 105...	0.41	182	310.2 -> 265...	Methadone-D9	319.3 -> 268...	6.061	933159						
Methamphetamine	150.1 -> 91.1	2/2/2018 2:54 PM	4.854	19960	Infinity		150.1 -> 119...			150.1 -> 91.1	Methamphetamine-D11	161.2 -> 97.1	4.753	282317						
Morphine	286.2 -> 201...	2/2/2018 2:54 PM	4.118	18	0.39	38	286.2 -> 165...	0.93	38	286.2 -> 201...	Morphine-D6	292.2 -> 152...	4.077	19327						
Naloxone	328.2 -> 309...	2/2/2018 2:54 PM	4.940	150	5.80		328.2 -> 211...			328.2 -> 309...	Naltrexol-D3	347.2 -> 329...	4.755	183743						
Naltrexol	344.2 -> 326...	2/2/2018 2:54 PM	4.877	7033	96.15		344.2 -> 308...			344.2 -> 326...	Naltrexol-D3	347.2 -> 329...	4.755	183743						
Naltrexone	342.2 -> 324...	2/2/2018 2:54 PM	4.939	233	6.68		342.2 -> 55.3			342.2 -> 324...	Naltrexol-D3	347.2 -> 329...	4.755	183743						
Norbuprenorphine	414.3 -> 101...	2/2/2018 2:54 PM					414.3 -> 57.3			414.3 -> 101...	Norbuprenorphine-D3	417.3 -> 101...	5.567	4619						
Nordiazepam	271.1 -> 140...	2/2/2018 2:54 PM					271.1 -> 208...			271.1 -> 140...	Nordiazepam-D5	276.1 -> 140...	6.192	57892						
Norfentanyl	233.2 -> 84.2	2/2/2018 2:54 PM					233.2 -> 55.3			233.2 -> 84.2	Norfentanyl-D5	238.2 -> 84.2	5.075	640464						
Norhydrocodone	286.2 -> 199...	2/2/2018 2:54 PM					286.2 -> 171...			286.2 -> 199...	Norhydrocodone-D3	289.2 -> 202...	4.762	59600						
Noroxycodone	302.1 -> 284...	2/2/2018 2:54 PM	4.638	805	1.82		302.1 -> 186...			302.1 -> 284...	Noroxycodone-D3	305.2 -> 287...	4.679	98633						
O-desmethyl-tramadol	250.2 -> 58.3	2/2/2018 2:54 PM	4.728	2696	0.90		250.2 -> 42.3			250.2 -> 58.3	O-desmethyl-tramadol...	256.2 -> 64.3	4.708	650377						
Oxazepam	287.1 -> 240...	2/2/2018 2:54 PM					287.1 -> 268...			287.1 -> 240...	Oxazepam-D5	292.1 -> 246...	6.025	39208						
Oxycodone	316.2 -> 298...	2/2/2018 2:54 PM	4.900	690	0.63		316.2 -> 241...			316.2 -> 298...	Oxycodone-D6	322.2 -> 304...	4.798	186840						
Oxymorphone	302.1 -> 284...	2/2/2018 2:54 PM					302.1 -> 227...			302.1 -> 284...	Oxymorphone-D3	305.2 -> 287...	4.073	446451						
Phentermine	150.1 -> 65.2	2/2/2018 2:54 PM	4.915	346	Infinity		150.1 -> 133...			150.1 -> 65.2	Phentermine-D5	155.2 -> 96.2	4.895	371054						
Promethazine	285.1 -> 86.2	2/2/2018 2:54 PM					285.1 -> 71.3			285.1 -> 86.2	Promethazine-D3	288.2 -> 89.2	6.046	10695...						
Quetiapine	384.2 -> 253...	2/2/2018 2:54 PM	6.137	332	0.89	233	384.2 -> 221...	3.00	233	384.2 -> 253...	Quetiapine-D8	392.2 -> 226...	6.116	298820						
Sertaline	306.1 -> 158...	2/2/2018 2:54 PM	6.267	395	13.06	112...	306.1 -> 275...	2.10	112...	306.1 -> 158...	Sertaline-D3	309.1 -> 275...	6.266	436955						
Sufentanil	387.2 -> 238...	2/2/2018 2:54 PM	6.177	991	238.37	642	387.2 -> 111...	1.94	642	387.2 -> 238...	Sufentanil-D5	392.2 -> 238...	6.156	472382						

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	Area	Transition	S/N	Area	Name	Transition	RT	Resp.		
Temazepam	301.1 -> 255...	2/2/2018 2:54 PM	5.215	7092	Infinity	321	301.1 -> 283...	1.08	321	Temazepam-D5	306.1 -> 260...	6.166	348349		
Tramadol	264.2 -> 58.3	2/2/2018 2:54 PM	6.279	2592	Infinity	326...	264.2 -> 43.3	Infinity	326...	Tramadol-13C-D3	268.2 -> 58.3	5.194	12564...		
Trazodone	372.2 -> 176...	2/2/2018 2:54 PM	5.560	1468	0.97		372.2 -> 148...	Infinity		Sufentanil-D5	392.2 -> 238...	6.156	472382		
Venlafaxine	278.2 -> 58.3	2/2/2018 2:54 PM	6.003	427	Infinity		278.2 -> 260...	Infinity		Venlafaxine-D6	284.2 -> 64.3	5.518	613894		
Zolpidem	308.2 -> 235...	2/2/2018 2:54 PM					308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	5.940	16833...		

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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	S/N	Area	Name	Transition	RT	Resp.	Name	Transition	RT	Resp.			
6-MAM	328.2 -> 165...	2/2/2018 3:13 PM	4.838	130	0.53		328.2 -> 211...			6-MAM-D6	334.2 -> 165...	4.837	55550			4.837	55550			
7-aminoclonazepam	286.1 -> 121...	2/2/2018 3:13 PM					286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.231	37814			5.231	37814			
Acetyl Fentanyl	323.2 -> 105...	2/2/2018 3:13 PM					323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	5.632	1005805			5.632	1005805			
Acetyl Norfentanyl	219.1 -> 84.2	2/2/2018 3:13 PM					219.1 -> 56.3			Acetyl Norfentanyl-D5	224.2 -> 84.2	4.650	340991			4.650	340991			
a-hydroxyalprazolam	325.1 -> 297...	2/2/2018 3:13 PM					325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	6.038	24449			6.038	24449			
alpha-PVP	232.2 -> 91.0	2/2/2018 3:13 PM					232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1	5.320	511221			5.320	511221			
Alprazolam	309.1 -> 281...	2/2/2018 3:13 PM	5.962	1617	3.69		309.1 -> 205...		Infinity	Alprazolam-D5	314.1 -> 286...	6.123	235900			6.123	235900			
Amphetamine	136.1 -> 91.1	2/2/2018 3:13 PM	4.632	26689	Infinity		136.1 -> 119...			Amphetamine-D11	147.2 -> 130...	4.551	4644			4.551	4644			
Bupropion	240.1 -> 184...	2/2/2018 3:13 PM					240.1 -> 131...			Ketamine-D4	242.1 -> 129...	5.361	485912			5.361	485912			
Carisoprodol	261.2 -> 176...	2/2/2018 3:13 PM					261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	5.765	40118			5.765	40118			
Citalopram	325.2 -> 109...	2/2/2018 3:13 PM	5.713	200	2.57		325.2 -> 262...		0.99	Citalopram-D6	331.2 -> 109...	5.773	319795			5.773	319795			
Clonazepam	316.1 -> 269...	2/2/2018 3:13 PM					316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	5.959	9244			5.959	9244			
Codeine	300.2 -> 215...	2/2/2018 3:13 PM					300.2 -> 165...			Codeine-D6	306.2 -> 218...	4.800	47897			4.800	47897			
Cyclobenzaprine	276.2 -> 214...	2/2/2018 3:13 PM	6.029	112	1.72		276.2 -> 231...		3.65	Cyclobenzaprine-D3	279.2 -> 215...	6.048	388288			6.048	388288			
Dextromethorphan	272.2 -> 171...	2/2/2018 3:13 PM	5.806	94	0.78		272.2 -> 147...		0.29	Dextromethorphan-D3	275.2 -> 171...	5.805	217120			5.805	217120			
Dextropropion	258.2 -> 157...	2/2/2018 3:13 PM	5.155	90	0.38		258.2 -> 133...			Dextropropion-D3	261.2 -> 157...	5.154	185711			5.154	185711			
Diazepam	285.1 -> 193...	2/2/2018 3:13 PM	6.371	443	1.18		285.1 -> 153...		0.40	Diazepam-D5	290.1 -> 198...	6.350	141707			6.350	141707			
Dihydrocodeine	302.2 -> 198...	2/2/2018 3:13 PM	4.780	56	0.69		302.2 -> 128...		0.65	Dihydrocodeine-D6	308.2 -> 202...	4.657	98727			4.657	98727			
Diphenhydramine	256.2 -> 167...	2/2/2018 3:13 PM					256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	5.746	964722			5.746	964722			
Doxylamine	271.2 -> 182...	2/2/2018 3:13 PM					271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.397	230243			5.397	230243			
EDDP	279.2 -> 235...	2/2/2018 3:13 PM					279.2 -> 250...			EDDP-D3	282.2 -> 235...	5.783	131966			5.783	131966			
Fentanyl	337.2 -> 105...	2/2/2018 3:13 PM	5.935	77	1.58		337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	5.833	808289			5.833	808289			
Fluoxetine	310.1 -> 44.3	2/2/2018 3:13 PM	5.880	296	0.84		310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	5.980	1185349			5.980	1185349			
Hydrocodone	300.2 -> 198...	2/2/2018 3:13 PM					300.2 -> 128...			Hydrocodone-D6	306.2 -> 202...	4.922	174108			4.922	174108			
Hydromorphone	286.2 -> 184...	2/2/2018 3:13 PM					286.2 -> 157...			Hydromorphone-D6	292.2 -> 185...	4.378	63612			4.378	63612			
Ketamine	238.1 -> 125...	2/2/2018 3:13 PM					238.1 -> 220...			Ketamine-D4	242.1 -> 129...	5.361	485912			5.361	485912			
Meprobamate	219.1 -> 158...	2/2/2018 3:13 PM					219.1 -> 97.1			Carisoprodol-D7	268.2 -> 183...	5.765	40118			5.765	40118			
Methadone	310.2 -> 265...	2/2/2018 3:13 PM	5.961	3022	7.36		310.2 -> 105...			Methadone-D9	319.3 -> 268...	6.081	748861			6.081	748861			
Methamphetamine	150.1 -> 91.1	2/2/2018 3:13 PM	4.854	14967	1.58		150.1 -> 119...			Methamphetamine-D11	161.2 -> 97.1	4.753	248068			4.753	248068			
Morphine	286.2 -> 201...	2/2/2018 3:13 PM	4.278	20	0.32		286.2 -> 165...			Morphine-D6	292.2 -> 152...	4.056	12974			4.056	12974			
Naloxone	328.2 -> 309...	2/2/2018 3:13 PM	4.940	231	0.78		328.2 -> 211...			Naltrexol-D3	347.2 -> 329...	4.755	151928			4.755	151928			
Naltrexol	344.2 -> 326...	2/2/2018 3:13 PM	4.857	4819	8.45		344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	4.755	151928			4.755	151928			
Naltrexone	342.2 -> 324...	2/2/2018 3:13 PM	4.857	105	1.47		342.2 -> 55.3			Naltrexol-D3	347.2 -> 329...	4.755	151928			4.755	151928			
Norbuprenorphine	414.3 -> 101...	2/2/2018 3:13 PM					414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101...	5.567	3455			5.567	3455			
Nordiazepam	271.1 -> 140...	2/2/2018 3:13 PM					271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.192	41201			6.192	41201			
Norfentanyl	233.2 -> 84.2	2/2/2018 3:13 PM					233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5.075	483740			5.075	483740			
Norhydrocodone	286.2 -> 199...	2/2/2018 3:13 PM					286.2 -> 171...			Norhydrocodone-D3	289.2 -> 202...	4.762	52155			4.762	52155			
Noroxycodone	302.1 -> 284...	2/2/2018 3:13 PM	4.720	1296	2.07		302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	4.679	79735			4.679	79735			
O-desmethyl-tramadol	250.2 -> 58.3	2/2/2018 3:13 PM					250.2 -> 42.3			O-desmethyl-tramadol...	256.2 -> 64.3	4.708	526058			4.708	526058			
Oxazepam	287.1 -> 240...	2/2/2018 3:13 PM	5.985	200	0.51		287.1 -> 268...		1.31	Oxazepam-D5	292.1 -> 246...	6.025	33589			6.025	33589			
Oxycodone	316.2 -> 298...	2/2/2018 3:13 PM	4.941	1448	Infinity		316.2 -> 241...		0.41	Oxycodone-D6	322.2 -> 304...	4.798	145639			4.798	145639			
Oxymorphone	302.1 -> 284...	2/2/2018 3:13 PM					302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	4.073	357473			4.073	357473			
Phentermine	150.1 -> 65.2	2/2/2018 3:13 PM	4.875	1513	1.42		150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	4.895	338667			4.895	338667			
Promethazine	285.1 -> 86.2	2/2/2018 3:13 PM	6.168	439	0.34		285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.046	902779			6.046	902779			
Quetiapine	384.2 -> 253...	2/2/2018 3:13 PM	6.157	26662	13403.39		384.2 -> 221...		398596...	Quetiapine-D8	392.2 -> 226...	6.116	243371			6.116	243371			
Sertraline	306.1 -> 158...	2/2/2018 3:13 PM	6.287	106	0.28		306.1 -> 275...		4.75	Sertraline-D3	309.1 -> 275...	6.266	352535			6.266	352535			
Sufentanil	387.2 -> 238...	2/2/2018 3:13 PM	6.177	288	2.19		387.2 -> 111...		5.01	Sufentanil-D5	392.2 -> 238...	6.156	373679			6.156	373679			

Compound Name	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	S/N	Area	Name	Transition	RT	Resp.	
Temazepam	301.1 -> 255...	2/2/2018 3:13 PM	6.187	593362	Infinity		301.1 -> 283...	216.83	207360	Temazepam-D5	306.1 -> 260...	6.166	277048		
Tramadol	264.2 -> 58.3	2/2/2018 3:13 PM	5.195	7523	Infinity		264.2 -> 43.3	95.00	241	Tramadol-13C-D3	268.2 -> 58.3	5.194	1023752		
Trazodone	372.2 -> 176...	2/2/2018 3:13 PM	6.300	1108	3.68		372.2 -> 148...			Sufentanil-D5	392.2 -> 238...	6.156	373679		
Venlafaxine	278.2 -> 58.3	2/2/2018 3:13 PM	5.581	420	0.68		278.2 -> 260...	1.88	348	Venlafaxine-D6	284.2 -> 64.3	5.518	481879		
Zolpidem	308.2 -> 235...	2/2/2018 3:13 PM	5.962	26557...	Infinity		308.2 -> 263...	Infinity	864633	Zolpidem-D6	314.2 -> 235...	5.940	1380509		

Compound Method		p2 cal 1b			p2 cal 1b Results			Qualifier 1 M...			Qualifier 1 Results			IS D Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	S/N	Area	Name	Transition	RT	Resp					
7-aminoflunitrazepam	284.1 -> 135...	2/2/2018 2:44 P...	5.404	71345	75.40		284.1 -> 93.2	121.38	7917	7-aminoflunitrazepam-	291.2 -> 138...	5.382	486958					
alpha-hydroxymidazol...	342.1 -> 324...	2/2/2018 2:44 P...	6.109	58048	55.83		342.1 -> 203...	255.75	23540	alpha-hydroxymidazola...	346.1 -> 328...	6.088	244735					
Amitriptyline	278.2 -> 91.2	2/2/2018 2:44 P...	6.120	222295	28.11		278.2 -> 105...	55.35	88635	Amitriptyline-D3	281.2 -> 91.2	6.119	515517					
Amoxapine	314.1 -> 217 ...	2/2/2018 2:44 P...	6.092	55353	9090.03		314.1 -> 193...	116.57	42957	Amitriptyline-D3	281.2 -> 91.2	6.119	515517					
Benzoyllecgonine	290.1 -> 168...	2/2/2018 2:44 P...	5.018	21939	64.07		290.1 -> 105...	20.60	7182	Benzoyllecgonine-D8	298.2 -> 171 ...	4.996	6879					
Carbamazepine	237.1 -> 193...	2/2/2018 2:44 P...	5.779	34309	52.66		237.1 -> 194...	139.14	2027 ...	Carbamazepine-13C6	243.1 -> 200...	5.779	10964...					
Chlordiazepoxide	300.1 -> 227...	2/2/2018 2:44 P...	6.217	31029	Infinity		300.1 -> 282...	21.28	2529 ...	Chlordiazepoxide-D5	305.1 -> 286...	6.216	447307					
Clomipramine	315.2 -> 86.2	2/2/2018 2:44 P...	6.356	343829	906.62		315.2 -> 58.3	198.27	18378	Clomipramine-D3	318.2 -> 89.2	6.356	10484...					
Cocaine	304.2 -> 182...	2/2/2018 2:44 P...	5.340	153479	23.44		304.2 -> 105...	24.97	25221	Cocaine-D3	307.2 -> 185...	5.339	560016					
Desipramine	267.2 -> 72.3	2/2/2018 2:44 P...	6.060	303971	Infinity		267.2 -> 44.3	18507 ...	1171...	Desipramine-D3	270.2 -> 75.3	6.059	527878					
Doxepin	280.2 -> 107...	2/2/2018 2:44 P...	5.854	59679	61.08		280.2 -> 77.2	103.52	29679	Doxepin-D3	283.2 -> 107...	5.853	140958					
Estazolam	295.1 -> 267...	2/2/2018 2:44 P...	6.035	51884	180.01		295.1 -> 205...	9398.73	36833	Estazolam-D5	300.1 -> 272...	6.034	398666					
Flunitrazepam	314.1 -> 268...	2/2/2018 2:44 P...	6.072	75341	93.10		314.1 -> 239...	79.38	19561	Flunitrazepam-D7	321.1 -> 245...	6.051	38125					
Flurazepam	388.2 -> 315...	2/2/2018 2:44 P...	5.904	158219	245.10		388.2 -> 317...	219.95	27785	Zopiclone-D4	393.1 -> 244...	5.883	72677					
Imipramine	281.2 -> 86.2	2/2/2018 2:44 P...	6.079	342561	Infinity		281.2 -> 58.3	200.91	1708...	Imipramine-D3	284.2 -> 61.3	6.078	10487...					
Levamisole	205.1 -> 91.2	2/2/2018 2:44 P...	4.907	46902	27.65		205.1 -> 178...	35.17	56879	Cocaine-D3	307.2 -> 185...	5.339	560016					
Maprotiline	278.2 -> 91.2	2/2/2018 2:44 P...	5.773	181766	Infinity		278.2 -> 117...	9.57	1595	Meperidine-D4	252.2 -> 224...	5.370	121041					
MDA	180.1 -> 163...	2/2/2018 2:44 P...	4.767	56656	26.98		180.1 -> 105...	73.17	22436	MDA-D5	185.1 -> 168...	4.767	129796					
MDEA	208.1 -> 163...	2/2/2018 2:44 P...	5.008	145997	98.60		208.1 -> 105...	236.21	62856	MDEA-D6	214.2 -> 166...	5.008	470615					
MDMA	194.1 -> 163...	2/2/2018 2:44 P...	4.867	137640	330.40		194.1 -> 105...	111.21	52142	MDMA-D6	200.2 -> 166...	4.867	24880					
Meperidine	248.2 -> 220...	2/2/2018 2:44 P...	5.370	58473	470.22		248.2 -> 174...	13785 ...	5081	Meperidine-D4	252.2 -> 224...	5.370	121041					
Methyphenidate	234.2 -> 84.2	2/2/2018 2:44 P...	5.290	272165	173.29		234.2 -> 56.3	953.10	55744	Meperidine-D4	252.2 -> 224...	5.370	121041					
Metoprolol	268.2 -> 116...	2/2/2018 2:44 P...	5.182	20915	121.74		268.2 -> 56.3	39.76	24623	Meperidine-D4	252.2 -> 224...	5.370	121041					
Midazolam	326.1 -> 223...	2/2/2018 2:44 P...	6.253	30763	120.89		326.1 -> 249...	189.12	32860	Midazolam-D4	330.1 -> 295...	6.252	443747					
Mirtazapine	266.2 -> 195...	2/2/2018 2:44 P...	5.735	168136	130.47		266.2 -> 72.3	4587.10	1169...	Midazolam-D4	330.1 -> 295...	6.252	443747					
Mitragynine	399.2 -> 174...	2/2/2018 2:44 P...	5.903	92669	424.66		399.2 -> 238...	53.77	18688	Carbamazepine-13C6	243.1 -> 200...	5.779	10964...					
Normeperidine	234.1 -> 42.3	2/2/2018 2:44 P...	5.331	50692	64.34		234.1 -> 160...	156.67	34065	Normeperidine-D4	238.2 -> 164...	5.330	422611					
Norpropoxyphene	326.2 -> 44.3	2/2/2018 2:44 P...	5.948	23702	12983.68		326.2 -> 252...	1558.41	5859	Norpropoxyphene-D5	331.2 -> 44.3	5.927	102186					
Nortriptyline	264.2 -> 91.2	2/2/2018 2:44 P...	6.082	98143	44.27		264.2 -> 233...	Infinity	1329...	Nortriptyline-D3	267.2 -> 233...	6.101	461089					
Ondansetron	294.2 -> 184...	2/2/2018 2:44 P...	5.567	98745	80.09		294.2 -> 212...	59.38	15836	Pentazocine-13C3	289.2 -> 72.3	5.403	631572					
Pentazocine	286.2 -> 218...	2/2/2018 2:44 P...	5.403	109684	457.12		286.2 -> 41.3	236.53	57479	Pentazocine-13C3	289.2 -> 72.3	5.403	631572					
Phenazepam	349.0 -> 206...	2/2/2018 2:44 P...	6.149	12732	146.61		349.0 -> 183...	78.18	19477	Phenazepam-D4	353.0 -> 183...	6.128	6058					
Phencyclidine	244.2 -> 86.2	2/2/2018 2:44 P...	5.656	64544	245.69		244.2 -> 91.1	109.23	89970	Phencyclidine-D5	249.2 -> 86.2	5.635	499431					
Phenytol	253.1 -> 104...	2/2/2018 2:44 P...	5.716	1430	386.47		253.1 -> 182...	578.10	1467	Phenytol-D10	263.2 -> 192...	5.675	10885					
Prazepam	325.1 -> 271...	2/2/2018 2:44 P...	6.598	272852	377.26		325.1 -> 140...	380.26	94094	Prazepam-D5	330.1 -> 276...	6.576	14892...					
Primidone	219.1 -> 91.2	2/2/2018 2:44 P...	5.068	6359	Infinity		219.1 -> 162...	1233.17	6325	Prazepam-D5	330.1 -> 276...	6.576	14892...					
Propoxyphene	340.2 -> 58.3	2/2/2018 2:44 P...	5.967	230882	429.46		340.2 -> 266...	78.85	29066	Propoxyphene-D11	351.3 -> 277...	5.946	83656					
Proprietyline	264.2 -> 155...	2/2/2018 2:44 P...	6.000	113182	Infinity		264.2 -> 181...	Infinity		Nortriptyline-D3	267.2 -> 233...	6.101	461089					
Pseudoephedrine	166.1 -> 148...	2/2/2018 2:44 P...	4.384	2071258	Infinity		166.1 -> 133...	107.76	4150...	Pseudoephedrine-D3	169.1 -> 151...	4.384	678267					
Tapentadol	222.2 -> 107...	2/2/2018 2:44 P...	5.189	135112	161.95		222.2 -> 121...	810.61	68419	Tapentadol-D3	225.2 -> 107...	5.189	557355					
Trimipramine	295.2 -> 100...	2/2/2018 2:44 P...	6.178	373511	523.09		295.2 -> 58.3	10416 ...	2157...	Trimipram ne-D3	298.2 -> 103...	6.177	18816...					
Verapamil	455.3 -> 165...	2/2/2018 2:44 P...	5.944	293209	379.43		455.3 -> 150...	24978 ...	84176	Trimipram ne-D3	298.2 -> 103...	6.177	18816...					
Zaleplon	306.1 -> 236...	2/2/2018 2:44 P...	5.889	69940	Infinity		306.1 -> 264...	337.48	79881	Zaleplon-D4	310.2 -> 240...	5.869	164638					
Zopiclone	389.1 -> 244...	2/2/2018 2:44 P...	5.884	9537	1289.09		389.1 -> 216...	14.57	2664	Zopiclone-D4	393.1 -> 244...	5.883	72677					

Did not evaluate Proprietyline.

2

Compound Method			p2 negative			p2 negative Results			Qualifier 1 M...			Qualifier 1 Res...			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp	S/N	Area	Transition	S/N	Area	Name	Transition	RT	Resp	Name	Transition	RT	Resp			
7-aminoflunitrazepam	284.1 -> 135...	2/2/2018 3:03 PM	5.547	2494	8.84		284.1 -> 93.2			7-aminoflunitrazepam-D7	291.2 -> 138...	5.403	512070		291.2 -> 138...	5.403	512070			
alpha-hydroxymidazolam	342.1 -> 324...	2/2/2018 3:03 PM	6.129	911	2.19		342.1 -> 203...			alpha-hydroxymidazolam-	346.1 -> 328...	6.109	23669		346.1 -> 328...	6.109	23669			
Amisulpride	278.2 -> 271...	2/2/2018 3:03 PM	6.262	1899	0.73		278.2 -> 105...	3.40	1001	Amisulpride-D3	281.2 -> 91.2	5.139	513210		281.2 -> 91.2	5.139	513210			
Amoxapine	314.1 -> 271...	2/2/2018 3:03 PM	6.153	319	0.93		314.1 -> 193...	1590...	5550	Amisulpride-D3	281.2 -> 91.2	5.139	513210		281.2 -> 91.2	5.139	513210			
Benzoylcegonine	290.1 -> 168...	2/2/2018 3:03 PM	4.997	242	0.74		290.1 -> 105...	0.67	58	Benzoylcegonine-D8	298.2 -> 171...	4.996	6500		298.2 -> 171...	4.996	6500			
Carbamazepine	237.1 -> 193...	2/2/2018 3:03 PM	6.105	463	0.85		237.1 -> 194...	1.47	502	Carbamazepine-13C6	243.1 -> 200...	5.799	11322...		243.1 -> 200...	5.799	11322...			
Chlordiazepoxide	300.1 -> 227...	2/2/2018 3:03 PM	6.258	4115	1958...		300.1 -> 282...	112.30	69635	Chlordiazepoxide-D5	305.1 -> 286...	6.216	433697		305.1 -> 286...	6.216	433697			
Clomipramine	315.2 -> 86.2	2/2/2018 3:03 PM	6.478	88	0.73		315.2 -> 58.3	3.67	255	Clomipramine-D3	318.2 -> 89.2	6.356	10304...		318.2 -> 89.2	6.356	10304...			
Cocaine	304.2 -> 182...	2/2/2018 3:03 PM	5.748	1368	0.39		304.2 -> 105...	0.55	406	Cocaine-D3	307.2 -> 185...	5.339	601077		307.2 -> 185...	5.339	601077			
Desipramine	267.2 -> 72.3	2/2/2018 3:03 PM	6.101	3515	14.62		267.2 -> 44.3	12.19	5909	Desipramine-D3	270.2 -> 75.3	6.059	565683		270.2 -> 75.3	6.059	565683			
Doxepin	280.2 -> 107...	2/2/2018 3:03 PM	6.058	87	0.75		280.2 -> 77.2	46.35	3148	Doxepin-D3	283.2 -> 107...	5.853	147383		283.2 -> 107...	5.853	147383			
Estazolam	295.1 -> 267...	2/2/2018 3:03 PM					295.1 -> 205...			Estazolam-D5	300.1 -> 272...	6.034	429047		300.1 -> 272...	6.034	429047			
Flunitrazepam	314.1 -> 268...	2/2/2018 3:03 PM	6.133	1030	0.73		314.1 -> 239...	1.11	145	Flunitrazepam-D7	321.1 -> 245...	6.071	41794		321.1 -> 245...	6.071	41794			
Flurazepam	388.2 -> 315...	2/2/2018 3:03 PM	5.965	127	0.85		388.2 -> 317...	1.07	42	Zopiclone-D4	393.1 -> 244...	5.883	78337		393.1 -> 244...	5.883	78337			
Imipramine	281.2 -> 86.2	2/2/2018 3:03 PM	6.139	3749	5.45		281.2 -> 58.3	1.62	787	Imipramine-D3	284.2 -> 61.3	6.098	10555...		284.2 -> 61.3	6.098	10555...			
Levamisole	205.1 -> 91.2	2/2/2018 3:03 PM					205.1 -> 178...			Cocaine-D3	307.2 -> 185...	5.339	601077		307.2 -> 185...	5.339	601077			
Maprotiline	278.2 -> 91.2	2/2/2018 3:03 PM					278.2 -> 117...			Meperidine-D4	252.2 -> 224...	5.370	129206		252.2 -> 224...	5.370	129206			
MDA	180.1 -> 163...	2/2/2018 3:03 PM	4.727	261	0.25		180.1 -> 105...	2.99	201	MDA-D5	185.1 -> 168...	4.767	132226		185.1 -> 168...	4.767	132226			
MDEA	208.1 -> 163...	2/2/2018 3:03 PM	4.968	121	0.24		208.1 -> 105...	1.41	308	MDEA-D6	214.2 -> 166...	5.008	467056		214.2 -> 166...	5.008	467056			
MDMA	194.1 -> 163...	2/2/2018 3:03 PM	5.131	52	0.53		194.1 -> 105...	1.40	300	MDMA-D6	200.2 -> 166...	4.887	23882		200.2 -> 166...	4.887	23882			
Meperidine	248.2 -> 220...	2/2/2018 3:03 PM	5.004	52	0.72		248.2 -> 174...	0.65	210	Meperidine-D4	252.2 -> 224...	5.370	129206		252.2 -> 224...	5.370	129206			
Methylphenidate	234.2 -> 84.2	2/2/2018 3:03 PM	5.372	155	1.07		234.2 -> 56.3	0.91	96	Meperidine-D4	252.2 -> 224...	5.370	129206		252.2 -> 224...	5.370	129206			
Metoprolol	268.2 -> 116...	2/2/2018 3:03 PM					268.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.370	129206		252.2 -> 224...	5.370	129206			
Midazolam	326.1 -> 223...	2/2/2018 3:03 PM	5.887	66	1.54		326.1 -> 249...			Midazolam-D4	330.1 -> 295...	6.272	445570		330.1 -> 295...	6.272	445570			
Mirtazapine	266.2 -> 195...	2/2/2018 3:03 PM	5.735	454	23.83		266.2 -> 72.3			Midazolam-D4	330.1 -> 295...	6.272	445570		330.1 -> 295...	6.272	445570			
Mitragynine	399.2 -> 174...	2/2/2018 3:03 PM	6.248	21	0.63		399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	5.799	11322...		243.1 -> 200...	5.799	11322...			
Normeperidine	234.1 -> 42.3	2/2/2018 3:03 PM	5.536	83	0.53		234.1 -> 160...	0.70	25	Normeperidine-D4	238.2 -> 164...	5.351	417832		238.2 -> 164...	5.351	417832			
Norpropoxyphene	326.2 -> 44.3	2/2/2018 3:03 PM	5.663	96	0.35		326.2 -> 252...	0.43	38	Norpropoxyphene-D5	331.2 -> 44.3	5.947	109329		331.2 -> 44.3	5.947	109329			
Nortriptyline	264.2 -> 91.2	2/2/2018 3:03 PM	6.082	327	1.17		264.2 -> 233...	2.42	555	Nortriptyline-D3	267.2 -> 233...	6.101	442379		267.2 -> 233...	6.101	442379			
Ondansetron	294.2 -> 184...	2/2/2018 3:03 PM					294.2 -> 212...			Pentazocine-13C3	289.2 -> 72.3	5.423	624797		289.2 -> 72.3	5.423	624797			
Pentazocine	286.2 -> 218...	2/2/2018 3:03 PM	5.241	66	0.45		286.2 -> 41.3	0.54	72	Pentazocine-13C3	289.2 -> 72.3	5.423	624797		289.2 -> 72.3	5.423	624797			
Phenazepam	349.0 -> 206...	2/2/2018 3:03 PM	6.189	159	1.57		349.0 -> 183...			Phenazepam-D4	353.0 -> 183...	6.148	6669		353.0 -> 183...	6.148	6669			
Phencyclidine	244.2 -> 86.2	2/2/2018 3:03 PM	5.697	211	2.85		244.2 -> 91.1	2.04	676	Phencyclidine-D5	249.2 -> 86.2	5.655	525015		249.2 -> 86.2	5.655	525015			
Phenylethylamine	253.1 -> 104...	2/2/2018 3:03 PM	5.716	274	10.04		253.1 -> 182...			Phencyclidine-D5	249.2 -> 86.2	5.655	525015		249.2 -> 86.2	5.655	525015			
Praxopram	325.1 -> 271...	2/2/2018 3:03 PM	6.699	105	0.73		325.1 -> 140...			Phenylethylamine-D10	263.2 -> 192...	5.675	10501		263.2 -> 192...	5.675	10501			
Primidone	219.1 -> 91.2	2/2/2018 3:03 PM	5.007	108	0.37		219.1 -> 162...	0.72	113	Praxopram-D5	330.1 -> 276...	6.596	12871...		330.1 -> 276...	6.596	12871...			
Propoxyphene	340.2 -> 58.3	2/2/2018 3:03 PM	5.947	306	0.63		340.2 -> 266...	2.00	293	Propoxyphene-D11	351.3 -> 277...	5.966	76431		351.3 -> 277...	5.966	76431			
Protriptyline	264.2 -> 155...	2/2/2018 3:03 PM	6.000	597	1.55		264.2 -> 161...	1.53	21	Nortriptyline-D3	267.2 -> 233...	6.101	442379		267.2 -> 233...	6.101	442379			
Pseudoephedrine	166.1 -> 148...	2/2/2018 3:03 PM					166.1 -> 133...			Pseudoephedrine-D3	169.1 -> 151...	4.384	778880		169.1 -> 151...	4.384	778880			
Tapentadol	222.2 -> 107...	2/2/2018 3:03 PM					222.2 -> 121...			Tapentadol-D3	225.2 -> 107...	5.189	581829		225.2 -> 107...	5.189	581829			
Trimipramine	295.2 -> 100...	2/2/2018 3:03 PM	6.198	335	1.93		295.2 -> 58.3			Trimipramine-D3	298.2 -> 103...	6.177	19132...		298.2 -> 103...	6.177	19132...			
Verapamil	455.3 -> 165...	2/2/2018 3:03 PM	6.146	137	1.23		455.3 -> 150...	1.28	109	Trimipramine-D3	298.2 -> 103...	6.177	19132...		298.2 -> 103...	6.177	19132...			
Zaleplon	306.1 -> 236...	2/2/2018 3:03 PM	6.175	453	4.73		306.1 -> 264...	2.85	332	Zaleplon-D4	310.2 -> 240...	5.889	158414		310.2 -> 240...	5.889	158414			
Zopiclone	389.1 -> 244...	2/2/2018 3:03 PM	5.904	43	0.45		389.1 -> 216...			Zopiclone-D4	393.1 -> 244...	5.883	78337		393.1 -> 244...	5.883	78337			

Compound Method			p2 external control			p2 external control Results			Qualifier 1 M...			Qualifier 1 Re...			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	S/N	Area	Name	S/N	Area	Transition	RT	Resp.	Transition	RT	Resp.		
7-aminoflunitrazepam	284.1 → 135...	2/2/2018 3:23 PM	5.527	1553	5.56	☐	284.1 → 93.2	0.63	95	7-aminoflunitrazepam-D7	0.63	95	291.2 → 138...	5.403	424583	291.2 → 138...	5.403	424583		
alpha-hydroxymidazol...	342.1 → 324...	2/2/2018 3:23 PM	6.028	74	0.44	☐	342.1 → 203...			alpha-hydroxymidazolam-			346.1 → 328...	6.109	185547	346.1 → 328...	6.109	185547		
Amiripryline	278.2 → 91.2	2/2/2018 3:23 PM	6.262	1824	0.80	☐	278.2 → 105...	0.66	387	Amiripryline-D3	0.66	387	281.2 → 91.2	6.139	429343	281.2 → 91.2	6.139	429343		
Amoxapine	314.1 → 271...	2/2/2018 3:23 PM	6.133	421	2.64	☐	314.1 → 193...	46.48	3823	Amiripryline-D3	46.48	3823	281.2 → 91.2	6.139	429343	281.2 → 91.2	6.139	429343		
Benzoylcegonine	290.1 → 168...	2/2/2018 3:23 PM	5.058	38	0.50	☐	290.1 → 105...			Benzoylcegonine-D8			298.2 → 171...	5.017	5073	298.2 → 171...	5.017	5073		
Carbamazepine	237.1 → 193...	2/2/2018 3:23 PM	6.085	886	1.65	☐	237.1 → 194...	4.45	549	Carbamazepine-13C6	4.45	549	243.1 → 200...	5.799	881707	243.1 → 200...	5.799	881707		
Chlordiazepoxide	300.1 → 227...	2/2/2018 3:23 PM	6.258	3405	15.10	☐	300.1 → 282...	27.96	43686	Chlordiazepoxide-D5	27.96	43686	305.1 → 286...	6.237	345660	305.1 → 286...	6.237	345660		
Clomipramine	315.2 → 86.2	2/2/2018 3:23 PM	6.194	86	0.57	☐	315.2 → 58.3			Clomipramine-D3			318.2 → 89.2	6.356	868191	318.2 → 89.2	6.356	868191		
Cocaine	304.2 → 182...	2/2/2018 3:23 PM	5.829	14709	0.79	☐	304.2 → 105...			Cocaine-D3			307.2 → 185...	5.339	490031	307.2 → 185...	5.339	490031		
Desipramine	267.2 → 72.3	2/2/2018 3:23 PM	6.101	3192	6.90	☐	267.2 → 44.3	5.51	3352	Desipramine-D3	5.51	3352	270.2 → 75.3	6.059	464955	270.2 → 75.3	6.059	464955		
Doxepin	280.2 → 107...	2/2/2018 3:23 PM	5.997	188	1.66	☐	280.2 → 77.2	154.10	554	Doxepin-D3	154.10	554	283.2 → 107...	5.853	121756	283.2 → 107...	5.853	121756		
Estazolam	295.1 → 267...	2/2/2018 3:23 PM	6.219	85	0.61	☐	295.1 → 205...			Estazolam-D5			300.1 → 272...	6.034	352513	300.1 → 272...	6.034	352513		
Flunitrazepam	314.1 → 268...	2/2/2018 3:23 PM	6.113	1240	1.38	☐	314.1 → 239...	0.37	23	Flunitrazepam-D7	0.37	23	321.1 → 245...	6.071	36028	321.1 → 245...	6.071	36028		
Flurazepam	388.2 → 315...	2/2/2018 3:23 PM	5.904	73	0.42	☐	388.2 → 317...			Zopiclone-D4			393.1 → 244...	5.883	51724	393.1 → 244...	5.883	51724		
Imipramine	281.2 → 86.2	2/2/2018 3:23 PM	6.139	2705	7.45	☐	281.2 → 58.3	1.28	754	Imipramine-D3	1.28	754	284.2 → 61.3	6.098	876735	284.2 → 61.3	6.098	876735		
Levamisole	205.1 → 91.2	2/2/2018 3:23 PM	4.684	137	0.56	☐	205.1 → 178...	1.59	194	Cocaine-D3	1.59	194	307.2 → 185...	5.339	490031	307.2 → 185...	5.339	490031		
Maprotiline	278.2 → 91.2	2/2/2018 3:23 PM	5.794	121	0.91	☐	278.2 → 117...			Meperidine-D4			252.2 → 224...	5.370	103098	252.2 → 224...	5.370	103098		
MDA	180.1 → 163...	2/2/2018 3:23 PM	5.051	1513	1.24	☐	180.1 → 105...	0.48	55	MDA-D5	0.48	55	185.1 → 168...	4.767	105953	185.1 → 168...	4.767	105953		
MDEA	208.1 → 163...	2/2/2018 3:23 PM	5.110	432	0.77	☐	208.1 → 105...			MDEA-D6			214.2 → 166...	5.008	371021	214.2 → 166...	5.008	371021		
MDMA	194.1 → 163...	2/2/2018 3:23 PM	5.070	102	0.92	☐	194.1 → 105...	2.38	174	MDMA-D6	2.38	174	200.2 → 166...	4.887	18936	200.2 → 166...	4.887	18936		
Meperidine	248.2 → 220...	2/2/2018 3:23 PM	5.534	40	0.37	☐	248.2 → 174...	0.40	121	Meperidine-D4	0.40	121	252.2 → 224...	5.370	103098	252.2 → 224...	5.370	103098		
Methylphenidate	234.2 → 84.2	2/2/2018 3:23 PM	5.290	175	0.65	☐	234.2 → 56.3			Meperidine-D4			252.2 → 224...	5.370	103098	252.2 → 224...	5.370	103098		
Metoprolol	268.2 → 116...	2/2/2018 3:23 PM	5.101	162	1.08	☐	268.2 → 56.3	5.35	1462	Meperidine-D4	5.35	1462	252.2 → 224...	5.370	103098	252.2 → 224...	5.370	103098		
Midazolam	326.1 → 223...	2/2/2018 3:23 PM				☐	326.1 → 249...			Midazolam-D4			330.1 → 295...	6.252	361968	330.1 → 295...	6.252	361968		
Mirtazapine	266.2 → 195...	2/2/2018 3:23 PM	5.836	49	0.42	☐	266.2 → 72.3			Midazolam-D4			330.1 → 295...	6.252	361968	330.1 → 295...	6.252	361968		
Mitragynine	399.2 → 174...	2/2/2018 3:23 PM	6.309	93	1.68	☐	399.2 → 238...			Carbamazepine-13C6			243.1 → 200...	5.799	881707	243.1 → 200...	5.799	881707		
Normeperidine	234.1 → 42.3	2/2/2018 3:23 PM	5.372	162	0.37	☐	234.1 → 160...			Normeperidine-D4			238.2 → 164...	5.351	333054	238.2 → 164...	5.351	333054		
Norpropoxyphene	326.2 → 44.3	2/2/2018 3:23 PM	5.927	37	0.43	☐	326.2 → 252...			Norpropoxyphene-D5			331.2 → 44.3	5.947	81445	331.2 → 44.3	5.947	81445		
Nortriptyline	264.2 → 91.2	2/2/2018 3:23 PM	6.183	1484	2.96	☐	264.2 → 233...	0.73	158	Nortriptyline-D3	0.73	158	267.2 → 233...	6.101	373988	267.2 → 233...	6.101	373988		
Ondansetron	294.2 → 184...	2/2/2018 3:23 PM				☐	294.2 → 212...			Pentazocine-13C3			289.2 → 72.3	5.423	500572	289.2 → 72.3	5.423	500572		
Pentazocine	286.2 → 218...	2/2/2018 3:23 PM	5.403	103	0.73	☐	286.2 → 41.3	103.69	659	Pentazocine-13C3	103.69	659	289.2 → 72.3	5.423	500572	289.2 → 72.3	5.423	500572		
Phenazepam	349.0 → 206...	2/2/2018 3:23 PM	6.108	678	2.23	☐	349.0 → 183...	2.09	162	Phenazepam-D4	2.09	162	353.0 → 183...	6.128	5794	353.0 → 183...	6.128	5794		
Phencyclidine	244.2 → 86.2	2/2/2018 3:23 PM	5.738	40	0.68	☐	244.2 → 91.1	1.25	242	Phencyclidine-D5	1.25	242	249.2 → 86.2	5.655	450542	249.2 → 86.2	5.655	450542		
Phenylethylamine	253.1 → 104...	2/2/2018 3:23 PM	5.675	80	83.66	☐	253.1 → 182...			Phenylethylamine-D10			263.2 → 192...	5.675	8208	263.2 → 192...	5.675	8208		
Prazepam	325.1 → 271...	2/2/2018 3:23 PM	6.598	90	0.49	☐	325.1 → 140...	0.88	96	Prazepam-D5	0.88	96	330.1 → 276...	6.596	10663...	330.1 → 276...	6.596	10663...		
Primidone	219.1 → 91.2	2/2/2018 3:23 PM				☐	219.1 → 162...			Prazepam-D5			330.1 → 276...	6.596	10663...	330.1 → 276...	6.596	10663...		
Propoxyphene	340.2 → 58.3	2/2/2018 3:23 PM	6.109	358	0.69	☐	340.2 → 266...	0.35	59	Propoxyphene-D11	0.35	59	351.3 → 277...	5.966	67322	351.3 → 277...	5.966	67322		
Protriptyline	264.2 → 155...	2/2/2018 3:23 PM	6.041	80	3.01	☐	264.2 → 161...			Nortriptyline-D3			267.2 → 233...	6.101	373988	267.2 → 233...	6.101	373988		
Pseudoephedrine	166.1 → 148...	2/2/2018 3:23 PM	4.425	355	0.63	☐	166.1 → 133...	0.49	110	Pseudoephedrine-D3	0.49	110	169.1 → 151...	4.384	653417	169.1 → 151...	4.384	653417		
Tapentadol	222.2 → 107...	2/2/2018 3:23 PM				☐	222.2 → 121...			Tapentadol-D3			225.2 → 107...	5.189	465532	225.2 → 107...	5.189	465532		
Trimipramine	295.2 → 100...	2/2/2018 3:23 PM	6.239	66	0.55	☐	295.2 → 58.3	0.30	333	Trimipramine-D3	0.30	333	298.2 → 103...	6.177	15690...	298.2 → 103...	6.177	15690...		
Verapamil	455.3 → 165...	2/2/2018 3:23 PM	6.248	175	1.48	☐	455.3 → 150...			Trimipramine-D3			298.2 → 103...	6.177	15690...	298.2 → 103...	6.177	15690...		
Zaleplon	306.1 → 236...	2/2/2018 3:23 PM	5.971	270	0.90	☐	306.1 → 284...	0.99	95	Zaleplon-D4	0.99	95	310.2 → 240...	5.889	123845	310.2 → 240...	5.889	123845		
Zopiclone	389.1 → 244...	2/2/2018 3:23 PM	5.884	105737	543.94	☐	389.1 → 216...	119.76	32467	Zopiclone-D4	119.76	32467	393.1 → 244...	5.883	51724	393.1 → 244...	5.883	51724		