reviewed 8/20/18 amn

### AM 7 central file available upon request.

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#### Worklist: 2634

LAB_CASE M2018-3309	<u>ITEM</u> 1	<u>TASK ID</u> 120219	DESCRIPTION AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3378	1	120589	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3413	1	120747	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3443	1	120879	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3449	°1	120921	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3450	1	120926	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3452	1	120933	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3468	1	122622	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3546	3	121690	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3710	3	122554	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2002	1	121795	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2003	1	121798	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2004	1	121850	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2005	1	121853	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2046	1	122056	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2047	1	122076	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2048	1	122079	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2057	1	122109	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2074	1	122390	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2079	1	122413	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2081	1	122535	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2087	1	122545	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2088	1	122548	AM 25 Blood Multi-Drug Screen by LC-QQQ

8/13/2018

### Worklist: 2634

LAB CASE	<u>ITEM</u>	<u>TASK ID</u>	DESCRIPTION
P2018-2089	1	122551	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2104	1	122596	AM 25 Blood Multi-Drug Screen by LC-QQQ

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

Extraction Date: <u>08/13/18</u> Plate lot#: 0515207 Analyst: <u>Sarah Pickle</u> Plate Expiration: 10/18/18

Mobile phase A:10mM Amm FormMobile phase B:0.1% Formic Acid in MeOH0.5M Ammonium HydroxideEthyl AcetateLC MethanolBlank Blood Lot:361331-1Column:Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)LCMS-QQQ ID:5974059740

# Pre-Analytic:

- $\boxtimes$  1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- $\boxtimes$  2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- ⊠ 3. Create worklist: Data Path Name: \_\_\_\_

# Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette 250µL blood (calibrated pipette) Pipette ID: #3 in wells of analytical (standards) plate.
- ⊠ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- ☑ 4. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- $\boxtimes$  5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- $\boxtimes$  6. Transfer 300µL of blood+base mixture to corresponding wells of SLE+ plate.
- ☑ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
   (Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- $\boxtimes$  8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- $\boxtimes$  10. Wait 5 minutes.
- Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 12. Add 900uL ethyl acetate.
- $\boxtimes$  13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 067103
- ☑ 16. Reconstitute in 100µL 100% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.

# Post-Analytic

- ☑ 1. Open quantitation software and create a new quantitation batch. Batch Name: <u>081318 MDS SP</u> Worklist path: <u>MDS P1a, MDS P2</u>
- $\boxtimes$  2. Make necessary changes to integration limits
- $\boxtimes$  3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
- $\boxtimes$  4. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- ⊠ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Did not evaluate phentermine due to poor peak shape and missing secondary peak. Mobile phase A had a methamphetamine contamination. A fresh mobile phase was prepared and samples that were impacted were reconstituted and reinjected 8/14/18 with no further issues.



# **Idaho State Police Forensic Services**

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

Analyst: Sarah Pickle Extraction Date: 08/13/18 Worklist Number: 2634

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	042618	04/26/19	04/26/18		
Blood External Control Solution	WS042618	04/26/19	04/26/18		
0.5M Ammonium Hydroxide	032918	9/29/18	3/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	181370		06/21/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		1/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		8/3/07		
Ethyl Acetate(ACS grade or better)	100362		6/26/17		
10mM Ammonium Formate in LCMS Water (Mobile Phase A)	081318		08/13/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	080218		08/02/18		
Needle Rinse75% LCMS MeOH in LCMS Water	080318		08/03/18		

Methanol External Control Solution (Lot: 042618)

00	ul	of Img/	mL stock	was	added I	o each	drug to	9600 u	lofLC M	eOH.
									and an area	

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

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

Blood External Control Solution (Lot: 042618) 100 ul of methanol external control solution was added to 9900 ul of blood.

Component	Source	Source Lot Number
Component	Source	Source Lot Number
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		042618
Prepared:	04/26/18	
Prepared by:	Tamara Salazai	
Expires:	04/26/19	

### 0.5M Ammonium Hydroxide (Lot: 032918)

Component	Source	Source Lot Number
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	14 T	×
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

### 10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 081318)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	181370
Prepared:	08/13/18	
Prepared By:	Sarah Pickle	

### 0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 080218)

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS	Fisher	177145
Grade)		
Prepared:	08/02/18	
Prepared By:	Celena Shrum	

#### Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 080318)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/03/18	
Prepared By:	Sarah Pickle	

Compound Method	ethod	p1 cal 1a	10 10 10 10 10 10 10 10 10 10 10 10 10 1	p1 cal 1a Results	Results	Qualifier 1 M	Qualifier	er 1 Results	ISTD Method	pot	ISTD	<b>ISTD Results</b>
Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	Transition	Area	S/N MI	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165	8/13/2018 11:37 AM	4.791	6553	1134.71	328.2 -> 211	3529	23.35	6-MAM-D6	334.2 -> 165	4.749	186272
7-aminoclonazepam	286.1 -> 121	8/13/2018 11:37 AM	5.367	127723	10787.28	286.1 -> 222	30293	4022.52	7-Aminoclonazepam-D4		5.343	457061
Benzoylecgonine	290.1 -> 168	8/13/2018 11:37 AM	5.140	74736	13342.71	290.1 -> 105	54266	144.88	Benzoylecgonine-D8	298.2 -> 171	5.099	23458
a-hydroxyalprazolam	325.1 -> 297	8/13/2018 11:37 AM	6.277	42192	7036.72	325.1 -> 215	11225	1708.17	a-hydroxyalprazolam	330.1 -> 302	6.256	219884
alpha-PVP	232.2 -> 91.0	8/13/2018 11:37 AM	5.374	364701	50225.15	232.2 -> 77.1	291169	725.03	alpha-PVP-d8	240.2 -> 91.1	5.352	3539284
Alprazolam	309.1 -> 281		6.363	639719	Infinity	309.1 -> 205	211295	616.94	Alprazolam-D5	314.1 -> 286	6.362	2632302
Amphetamine	136.1 -> 91.1		4.749	935454	14.33	136.1 -> 119	212702	3 63 厂	Amphetamine-D11	147.2 -> 130	4.607	385320
Cocaine	304.2 -> 182	. 8/13/2018 11:37 AM	5.403	806134	37.98	304.2 -> 105	104923	20998.04	Cocaine-D3	307.2 -> 185	5.402	2226935
Bupropion	240.1 -> 184	. 8/13/2018 11:37 AM	5.578	396522	27309,89	240.1 -> 131	451949	14.30	Bupropion-D9	249.2 -> 185	5.557	564485
Carisoprodol	261.2 -> 176		5.983	7111	1391.38	261.2 -> 55.3	220095	14.25	Carisoprodol-D7	268.2 -> 183	5.962	307070
Citalopram	325.2 -> 109	. 8/13/2018 11:37 AM	5.931	1002565	106665.25	325.2 -> 262	188239	23.00	Citalopram-D6	331.2 -> 109	5.930	1939825
Clonazepam	316.1 -> 269	. 8/13/2018 11:37 AM	6.218	80459	10721.17	316.1 -> 213	13480	1677.02	Clonazepam-D4	320.1 -> 217	6.217	107302
Codeine	300.2 -> 215	8/13/2018 11:37 AM	4.633	44585	Infinity	300.2 -> 165	35091	Infinity	Codeine-D6	306.2 -> 218	4.610	198396
Cyclobenzaprine	276.2 -> 214	. 8/13/2018 11:37 AM	6.205	369423	Infinity	276.2 -> 231	169471	Infinity	Cyclobenzaprine-D3	279.2 -> 215	6.204	2194072
Dextromethorphan	272.2 -> 171	. 8/13/2018 11:37 AM	5.941	477058	Infinity	272.2 -> 147	483909	28.70	Dextromethorphan-D3	<b>^</b>	5.920	1276116
Dextrorphan	258.2 -> 157	8/13/2018 11:37 AM	5.248	454256	211.71	258.2 -> 133	299049	1214.25	Dextrorphan-D3	261.2 -> 157	5.248	1693131
Diazepam	285.1 -> 193	. 8/13/2018 11:37 AM	6.610	313110	153.94	285.1 -> 153	472569	Infinity	Diazepam-D5	290.1 -> 198	6.609	1271011
Dihydrocodeine	302.2 -> 198	. 8/13/2018 11:37 AM	4.591	126374	24168.87	302.2 -> 128	125896	112.75	Dihydrocodeine-D6	308.2 -> 202.	4.550	760478
Diphenhydramine	256.2 -> 167	8/13/2018 11:37 AM	5.863	615746	57321.54	256.2 -> 152	385255	31751.91	Diphenhydramine-D3	259.2 -> 167_	5.842	6234550
Doxylamine	271.2 -> 182	_	5.430	776138	81.41	271.2 -> 167	10471	240026	Doxylamine-D5	276.2 -> 187	5.450	7174411
EDDP	279.2 -> 235		5.878	1982702	4016.67	279.2 -> 250	956986	83957.66	EDDP-D3	282.2 -> 235	5.878	826309
Fentanyl	337.2 -> 105		5.950	38070	4030.89	4	18252	6.54	Fentanyl-D5	342.3 -> 105	5.929	4926877
Fluoxetine	310.1 -> 44.3	8/13/2018 11:37 AM	6.157	1917798	52.54	310.1 -> 148	29777	105.29	Fluoxetine-D6	316.2 -> 44.3	6.136	8532222
Hydrocodone	300.2 -> 198		4.876	168310	Infinity	300.2 -> 128	117613	Infinity	Hydrocodone-D6	306.2 -> 202	4.853	1100101
Hydromorphone	286.2 -> 184	_	4.314	106227	Infinity	286.2 -> 157	119335	Infinity	Hydromorphone-D6	292.2 -> 185	4.274	394155
Ketamine	238.1 -> 125		5.292	812031	198766.34	238.1 -> 220	140874	14.75	Ketamine-D4	242.1 -> 129	5.271	3694057
Metoprolol	268.2 -> 116		5.328	113882	13469.89	268.2 -> 56.3	124754	323.24	Carisoprodol-D7	268.2 -> 183	5.962	307070
Mirtazapine	266.2 -> 195.		5 697	777743	130557.47	266.2 -> 72.3	603844	Infinity	Carisoprodol-D7	4	5.962	307070
Meprobamate	219.1 -> 158	_	5.436	81247	13223.06	219.1 -> 97.1	24433	264.46	Meprobamate-D7	226.2 -> 165	5.415	39984
Methadone	310.2 -> 265		6.178	1229856	Infinity	310.2 -> 105	880913	399.24	Methadone-D9	319.3 -> 268	6.177	4040532
Methamphetamine	150.1 -> 91.1		4.889	2408632	8.52	150.1 -> 119	496789	5.14	Methamphetamine-D11	161.2 -> 97.1	4.808	1723259
Morphine	286.2 -> 201	_	3.992	31004	13 /9	286.2 -> 165	22648	1 27	Morphine-D6	292.2 -> 152	3.991	66113
Norbuprenorphine	414.3 -> 101	_	5./24	14/83	2165.51	414.3 -> 57.3	223/5	2411.91	Norbuprenorphine-D3	417.3 -> 101	5.724	35525
Nordiazepam	2/1.1 -> 140	-	6.451	142864	32059.77	271.1 -> 208	32780	75166.51	Nordiazepam-D5	276.1 -> 140	6.450	370113
Norfentanyl	233.2 -> 84.2	_	5.130	1129486	244534.00	233.2 -> 55.3	298113	21.86	Norfentanyl-D5	238.2 -> 84.2	5.109	4850737
Norhydrocodone	286.2 -> 199		4.798	25989	8192.48	286.2 -> 171	8496	62.81	Norhydrocodone-D3	289.2 -> 202	4.797	329990
Noroxycodone	302 1 -> 284		4.713	157881	5.95	302.1 -> 186	41649	10107.92	Noroxycodone-D3	305.2 -> 287	4.732	881893
O-desmethyl-trama	250.2 -> 58.3	8/13/2018 11:37 AM	4.702	2100672	53.24	250.2 -> 42.3	56065	26.94	O-desmethyl-tramadol	. 256.2 -> 64.3	4.682	4024159
Oxazepam	287.1 -> 240		6.264	37115	287.65	287.1 -> 268	52772	9.11	Oxazepam-D5	292.1 -> 246	6.263	284426
Oxycodone	316.2 -> 298	8/13/2018 11:37 AM	4.751	479404	23.75	316.2 -> 241	105178	37.09	Oxycodone-D6	322.2 -> 304	4.730	1453257
Oxymorphone	302.1 -> 284	_	4.048	141880	7.96	302.1 -> 227	42525	21.01	Oxymorphone-D3	305.2 -> 287	4.066	574828
Phentermine	150.1 -> 65.2	8/13/2018 11:37 AM	4.869	322077	3 48	150.1 -> 133			Phentermine-D5	155.2 -> 96.2	4.929	1644402
Promethazine	285.1 -> 86.2		6.223	1351531	16.75	285.1 -> 71.3	258811	265.30	Promethazine-D3	288.2 -> 89.2	6.222	4814810
Quetiapine	384.2 -> 253	-	6.213	1217818	179868.98	384.2 -> 221	568577	60531.59	Quetiapine-D8	392.2 -> 226.	6.192	1307847
Sertraline	306.1 -> 158	-	6.445	723925	194899.64	306.1 -> 275	346198	Infinity	Sertraline-D3	309.1 -> 275	6.423	2948624
Temazepam	301.1 -> 255	-	6.425	458021	Infinity	301.1 -> 283	173486	Infinity	Temazepam-D5	306.1 -> 260	6.425	2956951
Tramadol	264.2 -> 58.3		5.247	2024123	44.99	264.2 -> 43.3	34263	8.62	Tramadol-13C-D3	268.2 -> 58.3	5.246	8779843
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a a a a Mamon - a a a	Transition	Acq. Date-Time	RI	Resp.	NIS	म्र	Transition	Area	S/N M	LAND A NABE A	H - +	· Transition ·	BT	Besp.
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/13/2018 11:37 AM 5.614	5.614	1626020	68.16	1 2	68.16 7 278.2 -> 260	156694		23.83 Venlafaxine-D6	284	284.2 -> 64.3 5.593	5.593	6068694
Zolpidem	308.2 -> 235	308.2 -> 235 8/13/2018 11:37 AM 6.016		1576904		<b>T</b> 30	4452.73 7 308.2 -> 263	416783	54074.20	54074.20 T Zolpidem-D6	314	314.2 -> 235 5.994	5.994	100080
Mitragynine	399.2 -> 174	399.2 -> 174 8/13/2018 11:37 AM 6.029	6.029	316859	27254.87	ы К П	27254.87 7 399.2 -> 238	40790	38.30	38.30 Cuetiapine-D8	392	392.2 -> 226 6.192		1307847

Methamphetamine contamination, sample was reinjected 8/13/18

										A REAL PROPERTY OF THE PARTY OF			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	W	Transition	Area S/N	ĬŴ	Name	Transition	ц	Resp.
6-MAM	328.2 -> 165	8/13/2018 4:59 PM				L	328.2 -> 211		L	6-MAM-D6	334.2 -> 165		
7-aminoclonazepam	286.1 -> 121					L	286.1 -> 222		L	7-Aminoclonazepam-D4	$\uparrow$		
Benzoylecgonine	-						290 1 -> 105		L	Benzoylecgonine-D8	298.2 -> 171		
a-hydroxyalprazolam		_					325.1 -> 215			a-hydroxyalprazolam-D5	330.1 -> 302	6.378	
alpha-FVF	232.2 -> 91.0	_					232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1		~
Alprazolam	309.1 -> 281								_1	Alprazolam-D5	314.1 -> 286	-	
Ampretamine	1.10 - 1.00	8/13/2018 4:59 PM					136.1 -> 119 201.0 - 10F		L	Amphetamine-D11	147.2 -> 130	न <b>।</b>	S
Cocalite	004 Z - 10Z						304.2 -> 105		_1	Cocaine-U3	30/ 2 -> 185	5 609	42
Bupropion	240.1 -> 184						240.1 -> 131		_	Bupropion-D9	249.2 -> 185		
Carisoprodol	261.2 -> 1/6						261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183	6 350	2585
Citalopram	325.2 -> 109						325.2 -> 262			Citalopram-D6	331.2 -> 109	5.991	235
Clonazepam	316.1 -> 269						316.1 -> 213		L	Clonazepam-D4	320.1 -> 217		
Codeine	300.2 -> 215						300.2 -> 165		L	Codeine-D6	306.2 -> 218		
Cyclobenzaprine	276.2 -> 214	8/13/2018 4:59 PM				L	276.2 -> 231		L	Cyclobenzaprine-D3	279.2 -> 215	6 489	2884
Dextromethorphan	272.2 -> 171						272.2 -> 147		L	Dextromethorphan-D3	275.2 -> 171	6.022	1337
Dextrorphan	258.2 -> 157	8/13/2018 4:59 PM					258.2 -> 133		L	Dextrorphan-D3	261.2 -> 157	5.086	35
Diazepam	285 1 -> 193	. 8/13/2018 4:59 PM					285.1 -> 153		L	Diazepam-D5	290.1 -> 198	6 791	1100
Dihydrocodeine	302.2 -> 198	_				L	302.2 -> 128	-	L	Dihydrocodeine-D6	308.2 -> 202	4 145	259
Diphenhydramine	256.2 -> 167						256.2 -> 152			Diphenhydramine-D3	259.2 -> 167	6 188	1304
Doxylamine	271.2 -> 182	8/13/2018 4:59 PM				L	271.2 -> 167		L	Doxylamine-D5	276.2 -> 187	5.491	1283
EDDP	279.2 -> 235	8/13/2018 4:59 PM				L	279.2 -> 250		L	EDDP-D3	282.2 -> 235_		
Fentanyl	337.2 -> 105	8/13/2018 4:59 PM				E E	337.2 -> 188		L	Fentanyl-D5	342.3 -> 105	5.869	3456
Fluoxetine	310.1 -> 44.3					L	310.1 -> 148		L	Fluoxetine-D6	316.2 -> 44.3	6 299	1984
Hydrocodone	300.2 -> 198	8/13/2018 4:59 PM					300.2 -> 128		L	Hydrocodone-D6	306.2 -> 202	4.873	1118
Hydromorphone	286.2 -> 184			-			286.2 -> 157			Hydromorphone-D6	292.2 -> 185	4.333	759
Ketamine	238.1 -> 125						238.1 -> 220		L	Ketamine-D4	242.1 -> 129		
Metoproloi	268.2 -> 116						268.2 -> 56.3		L	Carisoprodol-D7	268.2 -> 183	6 350	2585
Mirtazapine	266.2 -> 195						266.2 -> 72.3		L	Carisoprodol-D7	268.2 -> 183.	6 350	2585
Meprobamate	219.1 -> 158						219.1 -> 97.1		L	Meprobamate-D7	226.2 -> 165	5 721	144
Methadone	310.2 -> 265					m L	310.2 -> 105		L	Methadone-D9	319.3 -> 268	6.177	3437
Methamphetamine	150.1 -> 91.1						150.1 -> 119	_	L	Methamphetamine-D11	161.2 -> 97.1	4.868	415
Morphine	286.2 -> 201						286.2 -> 165		L	Morphine-D6	292.2 -> 152		
Norbuprenorphine	414.3 -> 101					4	414.3 -> 57.3		L	Norbuprenorphine-D3	417.3 -> 101.		
Nordiazepam	271.1 -> 140						271.1 -> 208			Nordiazepam-D5	276.1 -> 140	6 307	442
Norfentanyl	233.2 -> 84.2	-					233.2 -> 55.3		L	Norfentanyl-D5	238.2 -> 84.2	5.068	1243
Norhydrocodone	286.2 -> 199	_					286.2 -> 171		L	Northydrocodone-D3	289.2 -> 202	4 959	173
Noroxycodone	302.1 -> 284					с Г	302.1 -> 186		L	Noroxycodone-D3	305.2 -> 287	4.793	698
O-desmethyl-trama	250.2 -> 58.3	8/13/2018 4:59 PM					250.2 -> 42.3			O-desmethyl-tramadol	256.2 -> 64.3	4 844	1095
Oxazepam	287.1 -> 240						287.1 -> 268		L	Oxazepam-D5	292.1 -> 246	6 649	117
Oxycodone	316.2 -> 298	8/13/2018 4:59 PM				5	316.2 -> 241		L	Oxycodone-D6	322.2 -> 304	4.710	195
Oxymorphone	302.1 -> 284					m L	302.1 -> 227		L	Oxymorphone-D3	305.2 -> 287	4 186	483
Phentermine	150.1 -> 65.2	8/13/2018 4:59 PM					150.1 -> 133		L	Phentermine-D5	155.2 -> 96.2	4 747	626
Promethazine	285.1 -> 86.2	-					285.1 -> 71.3		L	Promethazine-D3	288.2 -> 89.2	6.304	1569
Quetiapine	384.2 -> 253	-				m L	384.2 -> 221		L	Quetiapine-D8	392.2 -> 226		
Sertraline	306.1 -> 158	-				m L	306.1 -> 275		L	Sertraline-D3	309.1 -> 275	6.403	2512
Temazepam	301.1 -> 255	8/13/2018 4:59 PM				m L	301.1 -> 283			Temazepam-D5	306.1 -> 260	6.445	2605
Tramadol	264.2 -> 58.3	264.2 -> 58.3 8/13/2018 4:59 PM					264.2 -> 43.3		L	Tramadol-13C-D3	268.2 -> 58.3	5 409	15314
Travodono			-						-		1001		

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IEEE E COMPOUND METRODUNE SERVICE DE COLORIS COLORIS COLORIS COLORIS COLORIS COLORIS COLORIS COLORIS COLORIS CO	athodanan e seamna	p1.cal 1a reinject.		al 1a rein	ject.Resu	its.	p1.cal.1a.reinject.Results. / Qualifier 1. May Qualifier 1 R. Annum	Qualifie	10	Antiotensis.	Method analysis	2 - 1 - 1 - 1 - 1034	ISTR Results.	Results.
Name	· Transition	- Acq. Date Time	цц.	Resp.	SAN	W	Aransition	Area S.	N N		SAN MI Transition Area S/N MI	1	E.	Resp.
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/13/2018 4:59 PM				L	278.2 -> 260			<b>I</b> Venlafaxine-D6	axine-D6	284.2 -> 64.3	5.695	2120
Zolpidem	308.2 -> 235	308.2 -> 235   8/13/2018 4:59 PM				L	308.2 -> 263			Zolpidem-D6	im-D6	314.2 -> 235 6.096	6.096	3228
Mitragynine	399.2 -> 174	399.2 -> 174   8/13/2018 4:59 PM				L	399.2 -> 238	-		Quetiat	Quetiapine-D8	392.2 ~ 226		

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Sample volume was insufficient. Sample was reconstituted and reinjected 8/14/18.

Name         T           6-MAM         328           6-MAM         328           7-aminoclonazepam         386           Benzoylecgonine         290           Benzoylecgonine         290           a-hydroxyalprazolam         325           alpha-PVP         232           Alprazolam         325           Alprazolam         309           Cocaine         304           Bupropion         240           Cocaine         304           Coraine         304           Coraine         304           Coraine         304           Coraine         304           Cocaine         304           Cocaine         304           Cocaine         305           Coraine         305           Coraine         306           Coraine         306           Codeine         306           Codeine         300           Codeine         300	Transition 328.2 -> 165 286.1 -> 121 290.1 -> 168 325.1 -> 297 232.2 -> 91.0	Acq. Date-Time	RT	Resp.	CAL MI			l		Transition	Ę	0000
lonazepam coonine coonine coonine coonine coonine haracolam nine nine dool dool mam aam zaprine zaprine zaprine	8.2 -> 165 6.1 -> 121 0.1 -> 168 5.1 -> 297 2.2 -> 91.0	And a state of the				Transition	Area	S/N	MI Name		The state of the s	nesp.
Ionazepam Iona		328.2 -> 165 8/14/2018.9:41 AM	4.791	5014	590.83	328.2 -> 211_	1008	491.86	F 6-MAM-D6	334.2 -> 165	4.790	164907
valprazolam valprazolam valprazolam nine nine odol odol mam zaprine zaprine zaprine nine nine nine nine nine nine nine		8/14/2018 9:41 AM	5.387	40022	347.02	286.1 -> 222	7976	1124.32	7-Aminoclonazepam-D4		-	162182
Valprazolam mine ddol m am zaprine		8/14/2018 9:41 AM	5.120	52293	8306.07	290.1 -> 105	50985	122.63	Benzoylecgonine-D8	298.2 -> 171	5,119	15148
ammine adol zaprine zaprine		8/14/2018 9:41 AM	6.257	44413	147.79	325.1 -> 215	6841	44.99	Participation - Participation - D5	D5 330.1 -> 302	6.256	223898
mine odol am zaprine	Ŧ	8/14/2018 9:41 AM	5.395	306345	41017.29	232.2 -> 77.1	159658	23513.56	I alpha-PVP-d8	240.2 -> 91.1	5.373	28358
mine odol m am zaprine	309.1 -> 281	8/14/2018 9:41 AM	6.363	584278	91277.00	309.1 -> 205	188136	1306.12	T Alprazolam-D5	314.1 -> 286.	6.341	23801.
n odol m am zaprine		8/14/2018 9:41 AM	4.708	751593	19.48	136.1 -> 119	173295	18.01	C Amphetamine-D11	147.2 -> 130	-	362609
		8/14/2018 9:41 AM	5.403	634717	501.45	304.2 -> 105	92639	14830.99	Cocaine-D3	307.2 -> 185	. 5.402	18745
uine		8/14/2018 9:41 AM	5.578	85000	164.17	240.1 -> 131	135661	9.78	Bupropion-D9	249.2 -> 185	5.557	166699
rine		8/14/2018 9:41 AM	5.963	5312	1895.87	261.2 -> 55.3	216454	78075.15	Carisoprodol-D7	268.2 -> 183	5.962	227164
rine		8/14/2018 9:41 AM	5.931	766767	17.89	325.2 -> 262	151850	14962.58	Citalopram-D6	331.2 -> 109	5.930	15952
		8/14/2018 9:41 AM	6.218	84016	8266.31	316.1 -> 213	11038	1739.59	Clonazepam-D4	320.1 -> 217	. 6.217	94905
		8/14/2018 9:41 AM	4.694	34351	7.28	300.2 -> 165	38010	Infinity	Codeine-D6	306.2 -> 218	4.610	166150
ŀ		8/14/2018 9:41 AM	6.225	312746	Infinity	276.2 -> 231	144358	Infinity	Cyclobenzaprine-D3	279.2 -> 215	6.224	17727
orphan		8/14/2018 9:41 AM	5.920	437722	45.83	272.2 -> 147	437588	40775.57	Dextromethorphan-D3	275.2 -> 171	5.940	11631
u	-> 157	8/14/2018 9:41 AM	5.248	379328	70225.94	258.2 -> 133	260630	41867.30	Dextrorphan-D3	261.2 -> 157	5.248	14264
	-> 193	8/14/2018 9:41 AM	6.610	223750	66876.56	285.1 -> 153	399237	Infinity	Diazepam-D5	290.1 -> 198	6.609	10966
		8/14/2018 9:41 AM	4.571	95284	76.86	302.2 -> 128	107276	27181.28	Dihydrocodeine-D6	308.2 -> 202	4.550	664820
amine		8/14/2018 9:41 AM	5.863	492298	49103.30	256.2 -> 152	351063	40199.56	Diphenhydramine-D3	259.2 -> 167	5.862	54783
mine		8/14/2018 9:41 AM	5.430	586810	Infinity	271.2 -> 167	879536	2351.84	Doxylamine-D5	276.2 -> 187	. 5.450	59677
	_	8/14/2018 9:41 AM	5.878	15760	202617.66	279.2 -> 250	766294	73396.46	EDDP-D3	282.2 -> 235	. 5.858	656084
		8/14/2018 9:41 AM	5.950	38610	3063.84	337.2 -> 188	17327	2524.25	F Fentanyl-D5	342.3 -> 105	5.950	42079
	-	8/14/2018 9:41 AM	6.157	18334	110.31	310.1 -> 148	18046	2400.24	Fluoxetine-D6	316.2 -> 44.3	6.136	73121
		8/14/2018 9:41 AM	4.876	115343	17.87	300.2 -> 128	109863	Infinity	Hydrocodone-D6	306.2 -> 202	4.853	822464
phone	-	8/14/2018 9:41 AM	4.275	66340	Infinity	286.2 -> 157	87449	Infinity	Hydromorphone-D6	292.2 -> 185	4.253	397352
		8/14/2018 9:41 AM	5.292	650076	34.36	238.1 -> 220	128391	25.39	Ketamine-D4	242.1 -> 129	5.271	28290
		8/14/2018 9:41 AM	5.307	132785	16869.34	268.2 -> 56.3	115232	16.77	Carisoprodol-D7	268.2 -> 183	5 962	227164
	-	8/14/2018 9:41 AM	5,718	667448	88285.05	266.2 -> 72.3	420203	54729.10	Carisoprodol-D7	268.2 -> 183	5 962	227164
ate		8/14/2018 9:41 AM	5.436	57842	339.41	219.1 -> 97.1	26368	63.10	Meprobamate-D7	226.2 -> 165	5.415	46018
-	1	8/14/2018 9:41 AM	6.178	10355	1570444	310.2 -> 105	708331	126934	Methadone-D9	319.3 -> 268	6.177	33251
hetamine		8/14/2018 9:41 AM	4.849	402937	Infinity 🔽	150.1 -> 119	83681	Infinity	Wethamphetamine-D11	1 1612->971	4.808	12045
-		8/14/2018 9:41 AM	4.053	23200	Infinity 🔽	286.2 -> 165	25514	4 34	Morphine-D6	292.2 -> 152	3.952	59925
hine	-	8/14/2018 9:41 AM	5.744	10272	16.18	414.3 -> 57.3	14584	15.10	Norbuprenorphine-D3	417.3 -> 101	5.724	40214
E	-	8/14/2018 9:41 AM	6.451	128105	50.40	271.1 -> 208	43596	10463.84	Nordiazepam-D5	276.1 -> 140	6.450	364096
		8/14/2018 9:41 AM	5.130	909322	201200.16	233.2 -> 55.3	284979	Infinity	Norfentanyl-D5	238.2 -> 84.2	5.109	40552
e		8/14/2018 9:41 AM	4.818	29014	16443.35	286.2 -> 171	8114	9378.36	Northydrocodone-D3	289.2 -> 202	4.797	335177
	4	8/14/2018 9:41 AM	4.733	154056	9.61	302.1 -> 186	38525	40.33	Noroxycodone-D3	305.2 -> 287	4.732	748512
yl-trama		8/14/2018 9:41 AM	4.702	13783	147.65	250.2 -> 42.3	32734	64.16	O-desmethyl-tramadol-	256.2 -> 64.3	4.682	34223.
	-	8/14/2018 9:41 AM	6.264	37141	5463.76	287.1 -> 268	35932	17.03	Oxazepam-D5	292.1 -> 246	6.263	244498
		8/14/2018 9:41 AM	4.771	391424	11.35	316.2 -> 241	100544	101.72	Oxycodone-D6	322.2 -> 304	4.730	11834
Oxymorphone 302	302.1 -> 284 8	8/14/2018 9:41 AM	4.048	124947	Infinity 🔽	302.1 -> 227	29441	Infinity	Oxymorphone-D3	305.2 -> 287	4.026	528203
Prientermine 150	2021 - 2027 - 1.0CI	8/14/2018 9:41 AM	4.930	130050		150.1 - 133.	102300		Phentermine-Ub	155.2 -> 96.2 268.2 -> 96.2	4.929 6.000	13555
	201 7 7 752	MA 14:0 0102/11/0	CCC 3	10402	104407 45 T	FCC - C FOC	101750	CAEA4 40		7.60 - 7.007		+0000
	158	MA 14/20102/41/0	0.200 E 44E	67EDE2		304.4 -7 241	0067464	01.14040		332.2 -> 226. 200.1 - 77F		1146/
m	× 255	MA 14:0 0102/41/0	6 47E	1102012	22 0.7	201 1 - 202	2/0200	20047				
		8/14/2018 3.41 AM	5 247	416303	30.02 FE 49	301.1 -7 203 264 2 -5 43 3	11001	100 51	Tramadol 120 D3	300.1 -> 200		2//03.
		MA 14:0 0102/41/0 0.00 - 2.402	0.470		100 00	C.04 - 7.402	10101	10.02		C'0C 7'007	047.0	

are a service and a service a servic	ethod areas	antel sel da seiniessami muna eli caluta seiniessa	INARRES BAR	al la reinie	CL Resultsmean	Resultsmens Audifiér J. Mas	. Qualifie	r.1.Results	ALEALUEILER A REALING STOR METHOOD AND A	Maneral 1. 211 Internal ISTD Results	ISTD F	Results
LARSE ANAMA ANAMA ANAMA MANAGANA	the Handlight and	Acq. Date-Time	RT	Resp.	N/S	Transition	Area	S/N M			RT	Resp.
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/14/2018 9:41 AM	5.614	14497	70.02	278.2 -> 260	129041	446.12	446.12 <b>Venlafaxine-D6</b>	284.2 -> 64.3 5.593	5.593	48999
Zolpidem	308.2 -> 235	308.2 -> 235 8/14/2018 9:41 AM	6.016	12234	2468.48	2468.48 7 308.2 -> 263	346729	3	34275.25 T Zolpidem-D6	314.2 -> 235 6.014	6.014	85440
Mitragynine	399.2 -> 174	399.2 -> 174 8/14/2018 9:41 AM	6.009	327185	30752.85	30752.85 7 399.2 -> 238	35887	5061.25	5061.25 C Quetiapine-D8	392.2 -> 226 6.172 11467	6.172	1146

Did not evaluate phentermine due to poor peak shape and missing secondary peak.

Compound Method	sthod	p1 negative		p1 negative Results	e Results	Qualifier 1 M	Qualifier 1 Resul	Resul.	ISTD Method	p	ISTD	ISTD Results
2042	Transition	Acq. Date-Time	RT	Resp.	S/N	MI Transition	Area	S/N MI	Name	Transition	Ъ	Resp.
	328.2 -> 165					<b>Г</b> 328.2 -> 211.		L	6-MAM-D6	334.2 -> 165	4.790	198817
7-aminoclonazepam	286.1 -> 121	8/13/2018 11:57 AM				<b>  </b> 286.1 -> 222			7-Aminoclonazepam-D4	290.1 -> 121	. 5.343	568466
Benzoylecgonine	290.1 -> 168	8/13/2018 11:57 AM				<b>7</b> 290.1 -> 105		L	Benzoylecgonine-D8	298.2 -> 171	5.119	16131
a-hydroxyalprazolam	325.1 -> 297		_			<b>[</b> 325.1 -> 215		L	a-hydroxyalprazolam-D5	330.1 -> 302	. 6.256	256518
	232.2 -> 91.0	8/13/2018 11:57 AM				<b>Г</b> 232.2 -> 77.1		L	alpha-PVP-d8	240.2 -> 91.1	5.373	36048
	309.1 -> 281	8/13/2018 11:57 AM				<b>7</b> 309.1 -> 205			Alprazolam-D5	314.1 -> 286	6.362	28015
	136.1 -> 91.1	8/13/2018 11:57 AM	4.749	287213	ŝ	<b>[</b> 136.1 ->			Amphetamine-D11	147.2 -> 130_	4.627	408483
	304.2 -> 182	8/13/2018 11:57 AM	5.424		9.50	0 304.2 -> 105	-		Cocaine-D3	307.2 -> 185_	5.402	23717.
	240.1 -> 184	8/13/2018 11:57 AM				<b>7</b> 240.1 -> 131		L	Bupropion-D9	249.2 -> 185	. 5.556	639300
	261.2 -> 176	8/13/2018 11:57 AM				<b>[7</b> ] 261.2 -> 55.3		L	Carisoprodol-D7	268.2 -> 183	5.962	296339
	325.2 -> 109	8/13/2018 11:57 AM	5.911	9193	0.67	7 325.2 -> 262			Citalopram-D6	331.2 -> 109	5.930	21178
	316.1 -> 269	8/13/2018 11:57 AM				<b>  </b> 316.1 -> 213		L	Clonazepam-D4	320.1 -> 217	-	110855
	300.2 -> 215	8/13/2018 11:57 AM				<b>   300.2 -&gt; 165</b>		L	Codeine-D6	306.2 -> 218	-	188485
Cyclobenzaprine	276.2 -> 214	8/13/2018 11:57 AM				<b>[</b> 276.2 -> 231			Cyclobenzaprine-D3	279.2 -> 215	6.224	25289.
Dextromethorphan	272.2 -> 171	8/13/2018 11:57 AM				<b>  </b> 272.2 -> 147	-		Dextromethorphan-D3	275.2 -> 171	. 5,920	14130
	258.2 -> 157	8/13/2018 11:57 AM				<b>  </b> 258.2 -> 133.		L	Dextrorphan-D3	261.2 -> 157	-	18273
	285.1 -> 193	8/13/2018 11:57 AM				<b>Г</b> 285.1 -> 153.		L	Diazepam-D5	290.1 -> 198	-	13531
Dihydrocodeine	302.2 -> 198	8/13/2018 11:57 AM				<b>「</b>   302.2 → 128.		L	Dihydrocodeine-D6	1	4 570	801828
Diphenhydramine	256.2 -> 167	8/13/2018 11:57 AM				Γ 256.2 -> 152_		L	Diphenhydramine-D3	259.2 -> 167	5.862	66180
	271.2 -> 182	8/13/2018 11:57 AM				<b>Г</b> 271.2 -> 167.		L	Doxylamine-D5	276.2 -> 187	5.450	75780
	279.2 -> 235	8/13/2018 11:57 AM				<b>Г</b> 279.2 -> 250			EDDP-D3	282.2 -> 235	5.878	913962
	337.2 -> 105	8/13/2018 11:57 AM				<b>□</b> 337.2 -> 188	-		Fentanyl-D5	342.3 -> 105	5.950	55661
	310.1 -> 44.3	8/13/2018 11:57 AM	6.137	14533	1.08	L		L	Fluoxetine-D6	316.2 -> 44.3	6.156	93470
	300.2 -> 198	8/13/2018 11:57 AM				<b>  </b> 300.2 -> 128.	-	L	Hydrocodone-D6	306.2 -> 202	4.853	11105
Hydromorphone	286.2 -> 184	8/13/2018 11:57 AM				<b>[1</b> ] 286.2 -> 157			Hydromorphone-D6	292.2 -> 185	-	461808
	238.1 -> 125	8/13/2018 11:57 AM				<b>F</b> 238.1 -> 220.		L	Ketamine-D4	242.1 -> 129	5.271	36164
	268.2 -> 116	8/13/2018 11:57 AM				<b>F</b> 268.2 -> 56.3			Carisoprodol-D7	268.2 -> 183	5.962	296339
	266.2 -> 195	8/13/2018 11:57 AM				<b>Г</b> 266.2 -> 72.3			Carisoprodol-D7	268.2 -> 183	5.962	296339
	219.1 -> 158	8/13/2018 11:57 AM				<b>7</b> 219.1 -> 97.1		L	Meprobamate-D7	226.2 -> 165	5.436	34613
	310.2 -> 265	8/13/2018 11:57 AM	6.178		Infinity	<b>7</b> 310.2 -> 105.		L	Methadone-D9	319.3 -> 268	6.177	43738
Methamphetamine	150.1 -> 91.1	8/13/2018 11:57 AM	4.869	18542	11.43	L	. 3750	7.51	Methamphetamine-D11	161.2 -> 97.1	4.808	14784
	286.2 -> 201	8/13/2018 11:57 AM				<b>7</b> 286.2 -> 165.			Morphine-D6	292.2 -> 152	4.011	70018
Norbuprenorphine	414.3 -> 101	8/13/2018 11:57 AM				<b>[</b> 414.3 -> 57.3		L	Norbuprenorphine-D3	417.3 -> 101	5.744	49058
	271.1 -> 140	8/13/2018 11:57 AM				Γ 271.1 -> 208			Nordiazepam-D5	276.1 -> 140	_	444378
	233.2 -> 84.2	8/13/2018 11:57 AM				<b>7</b> 233.2 -> 55.3		L	Norfentanyl-D5	238.2 -> 84.2		53139
Norhydrocodone	286.2 -> 199	8/13/2018 11:57 AM				<b>Г</b> 286.2 -> 171_			Norhydrocodone-D3	289.2 -> 202	-	319250
	302.1 -> 284	8/13/2018 11:57 AM							Noroxycodone-D3	305.2 -> 287		959543
O-desmethyl-trama	250.2 -> 58.3	8/13/2018 11:57 AM	4.783	440169	7.04				O-desmethyl-tramadol	256.2 -> 64.3	4.702	42506
	287.1 -> 240					<b>7</b> 287.1 -> 268			Oxazepam-D5	292.1 -> 246	6.283	321336
	316.2 -> 298	8/13/2018 11:57 AM				<b>7</b> 316.2 -> 241			Oxycodone-D6	322.2 -> 304	4.750	14540
	302 1 -> 284	8/13/2018 11:57 AM				L		L	Oxymorphone-D3	305.2 -> 287	4.046	610254
	150.1 -> 65.2	8/13/2018 11:57 AM	4.909	L)	Infinity	<b>F</b> 150.1 -> 133.		L	Phentermine-D5	155.2 -> 96.2	4.929	17773
	285.1 -> 86.2	8/13/2018 11:57 AM	6.183	16535	1 04	<b>Г</b> 285.1 -> 71.3		L	Promethazine-D3	288.2 -> 89.2	6.222	59554
		8/13/2018 11:57 AM				<b>      384.2 -&gt; 221.</b>		L	Quetiapine-D8	392.2 -> 226	6.192	12543
	_	8/13/2018 11:57 AM				<b>7</b> 306.1 -> 275.		L	Sertraline-D3	309.1 -> 275	6.444	31876
	301.1 -> 255	8/13/2018 11:57 AM				<b>  </b> 301.1 -> 283.			Temazepam-D5	306.1 -> 260	6 425	32831
	264.2 -> 58.3	264.2 -> 58.3 8/13/2018 11:57 AM				<b>Г</b> 264.2 -> 43.3		L	Tramadol-13C-D3	268.2 -> 58.3	5.246	97276

· SHOCHLARD CAN	Resp.	64223	99520	
RT		5.613	5.994	
Transition 284.2 -> 64.3 314.2 -> 235	284.2 -> 64.3 314.2 -> 235	314.2 -> 235	000 - 0000	707.0
就重他。即自在高橋		Venlafaxine-D6		
MUNICIPAL I PROVIDENT	MI WS	Ľ		213 213
	Area S			
Transition	278.2 -> 260		308.2 -> 263	Mothamahatamina antamination camalo was rainiadad 8/12/10
쾨		22		
S/N	-			
Resp. 21370	21370			- Coricor
		5.347		todam
Acq. Date-Time	112/2010 11.57 AM		308.2 -> 235 8/13/2018 11:57 AM 200 2 > 174 0/12/2018 11:57 AM	
278.2 -> 58.3	_		308.2 -> 235 8	
A Mamerica			Zolpidem	5

Compound Method	Dout	p1 negative reinject	p1 neg	auve ren	pi negative reinject Hesul	-	Qualitier 1 M	Cualifier I R			Sector Se		SILL RESULTS
1444	Transition	Acq. Date-Time	RT	Resp.	S/N	W	Transition	Area S/N	WN	Name	Transition	ц	Resp.
	328.2 -> 165					L	328.2 -> 211		L	6-MAM-D6	334.2 -> 165		
7-aminoclonazepam	286.1 -> 121					L	286.1 -> 222		L	7-Aminoclonazepam-D4	290.1 -> 121		
Benzoylecgonine	290.1 -> 168						290.1 -> 105			Benzoylecgonine-D8	4		
a-nydroxyalprazolam alpha-PVP	232 2 -> 291 0	8/13/2018 5:18 PM 8/13/2018 5:18 PM					325.1 -> 215			a-hydroxyalprazolam-D5	330.1 -> 302	F 201	107
	309.1 -> 281					L	309.1 -> 205		-	Albrazolam-D5	314.1 -> 286	6 645	89
Amphetamine	136.1 -> 91.1	8/13/2018 5:18 PM				L	<b>^</b>	-	L	Amphetamine-D11	147.2 -> 130_	32	274
	304.2 -> 182	304.2 -> 182 8/13/2018 5:18 PM				L	304,2 -> 105		L	Cocaine-D3	307.2 -> 185		
	240.1 -> 184					L	240.1 -> 131		L	Bupropion-D9	249.2 -> 185		
Carisoprodol	261.2 -> 176					ī	261.2 -> 55.3		L	Carisoprodol-D7	268.2 -> 183		
	325.2 -> 109					Ē	325.2 -> 262		L	Citalopram-D6	331.2 -> 109	5 726	1028
Clonazepam	316.1 -> 269	8/13/2018 5:18 PM				L	316.1 -> 213	_	L	Clonazepam-D4	320.1 -> 217		
	300.2 -> 215	8/13/2018 5:18 PM				L	300.2 -> 165	_	L	Codeine-D6	306.2 -> 218		
Cyclobenzaprine	276.2 -> 214	276.2 -> 214 8/13/2018 5:18 PM				L	276.2 -> 231			Cyclobenzaprine-D3	279.2 -> 215	6.102	3174
Dextromethorphan	272.2 -> 171	272.2 -> 171 8/13/2018 5:18 PM					272.2 -> 147		L	Dextromethorphan-D3	275.2 -> 171	6 042	796
Dextrorphan	258.2 -> 157	258.2 -> 157 8/13/2018 5:18 PM				L	258.2 -> 133		L	Dextrorphan-D3	261.2 -> 157	4.843	308
	285.1 -> 193					L	285.1 -> 153		L	Diazepam-D5	290.1 -> 198	6.527	2117
Dihydrocodeine	302.2 -> 198					L	302.2 -> 128		L	Dihydrocodeine-D6	308.2 -> 202	4 630	422
Diphenhydramine						L	256.2 -> 152	-	L	Diphenhydramine-D3	259.2 -> 167	5.882	8699
Doxylamine						L	271.2 -> 167		L	Doxylamine-D5	276.2 -> 187	5 655	4432
	279.2 -> 235	8/13/2018 5:18 PM				L	279.2 -> 250			EDDP-D3	282.2 -> 235		
	337.2 -> 105	337.2 -> 105 8/13/2018 5.18 PM				L	337.2 -> 188		L	Fentanyl-D5	342.3 -> 105	5.970	854
	310.1 -> 44.3	8/13/2018 5:18 PM				Ē	310.1 -> 148			Fluoxetine-D6	316.2 -> 44.3	6,156	6575
Hydrocodone	300.2 -> 198					L	300.2 -> 128		L	Hydrocodone-D6	306.2 -> 202	4.833	715
Hydromorphone	286.2 -> 184						286.2 -> 157	_		Hydromorphone-D6	292.2 -> 185		
	238.1 -> 125					L	238.1 -> 220		L	Ketamine-D4	242.1 -> 129	5.271	416
	268.2 -> 116					L	268.2 -> 56.3	_		Carisoprodol-D7	268.2 -> 183		
Mirtazapine						L	266.2 -> 72.3	_		Carisoprodol-D7	268.2 -> 183		
Meprobamate	219.1 -> 158	8/13/2018 5:18 PM	1				219.1 -> 97.1		L	Meprobamate-D7	226.2 -> 165		
	310.2 -> 265	310 2 -> 265 8/13/2018 5:18 PM				L	310.2 -> 105		Ľ	Methadone-D9	319.3 -> 268	6.217	365
Methamphetamine		8/13/2018 5:18 PM					150.1 -> 119			Methamphetamine-D11	161.2 -> 97.1	5 010	249
	286.2 -> 201						286.2 -> 165			Morphine-D6	292.2 -> 152	4 131	109
Norbuprenorphine							414.3 -> 57.3		L	Norbuprenorphine-D3	417.3 -> 101		
Nordiazepam		8/13/2018 5:18 PM					271 1 -> 208			Nordiazepam-D5	276.1 -> 140	6.389	222
Norfentanyl								-		Norfentanyl-D5	238.2 -> 84.2	5.210	986
Norhydrocodone	286.2 -> 199						286.2 -> 171			Norhydrocodone-D3	289.2 -> 202		
Noroxycodone	-						302.1 -> 186		_	Noroxycodone-D3	305.2 -> 287	4.611	1246
O-desmethyl-trama		8/13/2018 5.18 PM					250.2 -> 42.3		_	O-desmethyl-tramadol	256.2 -> 64.3	4 460	1894
	287.1 -> 240	MH 81:5 2018 5:13/2018					287.1 -> 268	-	_	Oxazepam-D5	292.1 -> 246	6.242	484
	316.2 -> 298	MH 81:6 8102/21/8					316.2 -> 241	_		Oxycodone-D6	322.2 -> 304	4.750	1228
Oxymorphone	302.1 -> 284	8/13/2018 5:18 PM					302.1 -> 227			Oxymorphone-D3	305.2 -> 287	4 247	1532
Phentermine	150.1 -> 65.2	8/13/2018 5:18 PM			1		150.1 -> 133	_	<u>i</u>	Phentermine-D5	155.2 -> 96.2	4 747	1006
Promethazine	285.1 -> 86.2						4			Promethazine-D3	288.2 -> 89.2	6.447	2731
							384.2 -> 221			Quetiapine-D8	392.2 -> 226	6.557	130
							306.1 -> 275		L	Sertraline-D3	309.1 -> 275	6.626	3180
Temazepam							301.1 -> 283	_		Temazepam-D5	306.1 -> 260	6.384	366
	264.2 -> 58.3	264.2 -> 58.3 8/13/2018 5:18 PM					264.2 -> 43.3	_		Tramadol-13C-D3	268.2 -> 58.3	5.185	3482

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STD Results	Resp.	2907		130
ICUIST	H	5.572	6.116	6.557
d, augustates	Transition RI Resp.	284.2 -> 64.3 5.572	314.2 -> 235	392.2 -> 226
Annualment of ASTR. Method method	an a sussime to Mamburs as a si factor	Venlafaxine-D6	Zolpidem-D6	Quetiapine-D8
¥.1.B.	Area S/N MI			
Quelle	Area	-		
Qualifier 1 M_	Transhion	278.2 -> 260	308.2 -> 263	399.2 -> 238
<b>Besul</b> m	S/N MI	L		L
aniect. (	SAN			
REAL OF BRIEFING	Resp			
et neg	RI			
111 + . P1. Pessative. reinject P1. neostive. reinject. Result. Outliffer 1 M Augliffer 1 B	Acq. Date Time	278.2 -> 58.3 8/13/2018 5:18 PM	308.2 -> 235 8/13/2018 5:18 PM	399.2 -> 174 8/13/2018 5:18 PM
1866 - P. 208940	Transition	278.2 -> 58.3	308.2 -> 235	399.2 -> 174
BLEER CHARLEN IN COMPOSITION OF A CHARLEN COMPANY	Name	Venlafaxine	Zolpidem	Mitragynine

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Sample volume was insufficient. Sample was reconstituted and reinjected 8/14/18.

	Compound Method	ethod	p1 negative reinject2	and a		autori manfino o anten 14	The second se		Contraction of the			Company Company	
2.22,00	Name	Transition	Acq. Date-Time	RT	Resp.	S/N N	MI Transition	Area S/N	IW	Name	Transition	RT	Resp.
6-MAM		328.2 -> 165	8/14/2018 10:00 AM	4.770	1349	485.29	328.2 -> 211	745 830.91	91	6-MAM-D6	334.2 -> 165.	4 790	166634
7-amin	7-aminoclonazepam	286.1 -> 121					286 1 -> 222			7-Aminoclonazepam-D4	290.1 -> 121	-	223084
Benzo	Benzoylecgonine	290.1 -> 168					_ 290.1 -> 105			Benzovlecconine-D8	298.2 -> 171	-	11390
a-hydro	a-hydroxyalprazolam	325.1 -> 297	. 8/14/2018 10:00 AM			-	325 1 -> 215	_	L	a-hydroxyalprazolam-D5	330.1 -> 302	-	251501
alpha-PVP	dVp	232.2 -> 91.0					232.2 -> 77.1		L	alpha-PVP-d8	240.2 -> 91.1	5.373	31703
Alprazolam	olam	309 1 -> 281					309.1 -> 205			Alprazolam-D5	314 1 -> 286	. 6.362	26583
Amphetamine	otamine	136.1 -> 91.1	-	4.749	213520	3.58	136.1 -> 119			Amphetamine-D11	147.2 -> 130	4.627	342570
Cocaine	ē	304.2 -> 182				L	304.2 -> 105		L	Cocaine-D3	307.2 -> 185	. 5.423	20176
Bupropion	lion	240.1 -> 184					240.1 -> 131			Bupropion-D9	249.2 -> 185	5.557	219517
Carisoprodo	prodol	261.2 -> 176	-				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183	5.962	263548
Citalopram	ram	325.2 -> 109		5.992	8400	4 46	325.2 -> 262			Citalopram-D6	331.2 -> 109	. 5.930	15055
Clonazepam	epam	316.1 -> 269	. 8/14/2018 10:00 AM			_	316.1 -> 213.			Clonazepam-D4	320.1 -> 217	. 6.217	94723
Codeine	ē	300.2 -> 215	8/14/2018 10:00 AM			L_	300.2 -> 165		L	Codeine-D6	306.2 -> 218	-	210204
Cyclob	Cyclobenzaprine	276.2 -> 214					276.2 -> 231		L	Cyclobenzaprine-D3	279.2 -> 215	6.224	21232
Dextroi	Dextromethorphan	272.2 -> 171		6 267	10095	21.42	272.2 -> 147			Dextromethorphan-D3	275.2 -> 171	5.940	12589
Dextrorphan	rphan	258.2 -> 157	8/14/2018 10:00 AM				258.2 -> 133		L	Dextrorphan-D3	261.2 -> 157	5.248	15832
Diazepam	am	285.1 -> 193				L	285.1 -> 153		L	Diazepam-D5	290.1 -> 198	6.609	12027
Dihydr	Dihydrocodeine	302.2 -> 198	_			L	302.2 -> 128		L	Dihydrocodeine-D6	308.2 -> 202	4.570	742731
Diphen	Diphenhydramine	256.2 -> 167	8/14/2018 10:00 AM		_		256.2 -> 152		L	Diphenhydramine-D3	259.2 -> 167	5.862	56561
Doxylamine	mine	271.2 -> 182					271.2 -> 167			Doxylamine-D5	276.2 -> 187_	5 471	64445
EDDP		279.2 -> 235	_				279.2 -> 250			EDDP-D3	282.2 -> 235	5.898	741685
Fentanyl	yl	337.2 -> 105					337.2 -> 188		L	Fentanyl-D5	342.3 -> 105	5.950	48427
Fluoxetine	tine	310.1 -> 44.3	_	6.157	19743	1 66	310.1 -> 148			Fluoxetine-D6	316.2 -> 44.3	6.156	81169
Hydrocodone	odone	300.2 -> 198	8/14/2018 10:00 AM				300.2 -> 128.			Hydrocodone-D6	306.2 -> 202	4.873	977018
Hydron	Hydromorphone	286.2 -> 184					286.2 -> 157		L	Hydromorphone-D6	292.2 -> 185	4.253	391980
Ketamine	ne	238.1 -> 125					238.1 -> 220			Ketamine-D4	242.1 -> 129.	5.271	30419
Metoprolol	lolo	268.2 -> 116					268.2 -> 56.3			Carisoprodol-D7	268.2 -> 183	5.962	263548
Mirtazapine	pine	266.2 -> 195					266.2 -> 72.3			Carisoprodol-D7	268.2 -> 183	5.962	263548
Meprobamate	oamate	219.1 -> 158					219.1 -> 97.1			Meprobamate-D7	226.2 -> 165	5.415	30896
Methadone	lone	310.2 -> 265					310.2 -> 105		L	Methadone-D9	319.3 -> 268		37964
Methan	Methamphetamine	150.1 -> 91.1	_				150.1 -> 119			Methamphetamine-D11	161.2 -> 97.1	4.808	14639
Morphine	ne	286.2 -> 201					286.2 -> 165			Morphine-D6	292.2 -> 152	4.011	64727
Norbup	Norbuprenorphine	414.3 -> 101					414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101	5.724	50408
Nordiazepam	zepam	271.1 -> 140					271.1 -> 208			Nordiazepam-D5	276.1 -> 140	-	392335
Norfentany	tanyl	233.2 -> 84.2					233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5,129	44830
Norhyd	Norhydrocodone	286.2 -> 199					286.2 -> 171		L	Norhydrocodone-D3	289.2 -> 202	4.818	310127
Noroxy	Noroxycodone	302.1 -> 284					302.1 -> 186			Noroxycodone-D3	305.2 -> 287	4.732	815992
O-desn	O-desmethyl-trama	250.2 -> 58.3					250.2 -> 42.3			O-desmethyl-tramadol	256.2 -> 64.3	4.702	37881
Oxazepam	Dam	287.1 -> 240					287.1 -> 268			Oxazepam-D5	292.1 -> 246	6.263	303943
Oxycodone	ione	316.2 -> 298					316.2 -> 241			Oxycodone-D6	322.2 -> 304	4.750	12141
Oxymorphone	rphone	302.1 -> 284					302.1 -> 227		L	Oxymorphone-D3	305.2 -> 287	4.066	505947
Phentermine	rmine	150.1 -> 65.2	8/14/2018 10:00 AM				150.1 -> 133.		L	Phentermine-D5	155.2 -> 96.2	4.950	14433
Promethazine	hazine	285.1 -> 86.2	_				285.1 -> 71.3		L	Promethazine-D3	288.2 -> 89.2	6.243	44119.
Quetiapine	oine	384.2 -> 253			_		384.2 -> 221			Quetiapine-D8	392.2 -> 226	6.192	12910
Sertraline	пе	306.1 -> 158					306 1 -> 275		L	Sertraline-D3	309.1 -> 275	6.444	26923
Temazepam	epam	301.1 -> 255					301.1 -> 283			Temazepam-D5	306.1 -> 260	6.425	30724
Tramadol	lo	264.2 -> 58.3	8/14/2018 10:00 AM				264.2 -> 43.3		L	Tramadol-13C-D3	268.2 -> 58.3	5.246	75144
Trazodone	auc	377 2 -> 176	372 2 -> 176 8/14/2018 10:00 AM						ľ				

2	.ds	51576	88212	12910
5-	T Resp.		- 1	
а.	RT BI	3 5.613	35 6.014	26 6.1
afraesteriet a. 20. 22. Ch	Series in a	284.2 -> 64.3	314.2 -> 23	392.2 -> 226 6.192
	ML INDERGRANNARD LINE AND LINE AND LINE LINE AND LINE	Venlafaxine-D6	Zolpidem-D6	Ouetianine-D8
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NOV WAR	S/N			
AND HOME	Area			
100	Iransition	278.2 -> 260	308.2 -> 263	000 . 0000
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ent vesni	SAN			
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	Acq. Uate-1 me	8/14/2018 10:00 AM	308.2 -> 235 8/14/2018 10:00 AM	0/1 A/7010 10-00 ANA
3	-	278.2 -> 58.3 8	308.2 -> 235	399.2 -> 174   8/14/2018 10:00 AM
	Name	Venlafaxine	Zolpidem	

Name		hi aviantal million	ż	extertial con	p1 external control Results	Qualifier 1 M	Qualifi	Qualifier 1 Results	100	ISTD Method	p	ISTE	ISTD Results
and the second second second second	Transition	Acq. Date-Time	ц	Resp.	S/N	MI Transition	Area	S/N	Ī	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165	. 8/13/2018 12:16 PM				<b>F</b> 328.2 -> 211			L	6-MAM-D6	334.2 -> 165	4.790	179065
7-aminoclonazepam	-	8/13/2018 12:16 PM				<b>7</b> 286.1 -> 222				7-Aminoclonazepam-D4	290.1 -> 121	5,343	566279
Benzoylecgonine	290.1 -> 168	. 8/13/2018 12:16 PM				<b>[</b> 290.1 -> 105			Ē	Benzoylecgonine-D8	1	5,099	17854
a-hydroxyalprazolam		_				<b>7</b> 325.1 -> 215			L	a-hydroxyalprazolam-D5	330.1 -> 302.	6.256	238918
alpha-PVP	232.2 -> 91.0	-				<b>7</b> 232.2 -> 77.1			L	alpha-PVP-d8	240.2 -> 91.1	5.352	3636076
Alprazolam	309.1 -> 281	_				<b>7</b> 309.1 -> 205		_	Ē	Alprazolam-D5	314.1 -> 286	6.341	2856924
Amphetamine	136.1 -> 91.1		4.749	96702	115	<b>F</b> 136.1 -> 119			L	Amphetamine-D11	147.2 -> 130	4.627	423289
Cocaine	304.2 -> 182		5.383	20150	2452.00	<b>7</b> 304.2 -> 105			L	Cocaine-D3	307.2 -> 185	5.402	2379371
Bupropion	240.1 -> 184					240.1 -> 131			L	Bupropion-D9	249.2 -> 185	5,556	576828
Carisoprodol	261.2 -> 176					<b>C</b> 261.2 -> 55.3			Ē	Carisoprodol-D7	268.2 -> 183	5.962	268021
Citalopram	325.2 -> 109					<b>□</b> 325.2 -> 262			L	Citalopram-D6	331.2 -> 109	5.910	1957101
Clonazepam	316.1 -> 269	_				<b>[</b> 316.1 -> 213			Ē	Clonazepam-D4	320.1 -> 217	6.217	108394
Codeine	300.2 -> 215					7 300.2 -> 165			L	Codeine-D6	306.2 -> 218	4.630	289362
Cyclobenzaprine	276.2 -> 214					276.2 -> 231			Ľ	Cyclobenzaprine-D3	279.2 -> 215	6.204	2342113
Dextromethorphan	272.2 -> 171					<b>7</b> 272.2 -> 147				Dextromethorphan-D3	275.2 -> 171	5.920	1451288
Dextrorphan	258.2 -> 157		5.248	3193	5.00	<b>7</b> 258.2 -> 133				Dextrorphan-D3	261.2 -> 157	5.248	1800797
Diazepam	285.1 -> 193		6.610	3276982	Infinity	<b>7</b> 285.1 -> 153	51069	948337	Ē	Diazepam-D5	290.1 -> 198	6.609	1214631
Dihydrocodeine	302.2 -> 198					<b>7</b> 302.2 -> 128				Dihydrocodeine-D6	308.2 -> 202	4.550	849644
Diphenhydramine	256.2 -> 167					Γ 256.2 -> 152				Diphenhydramine-D3	259.2 -> 167	5.862	6648638
Doxylamine	271,2 -> 182					<b>F</b> 271.2 -> 167				Doxylamine-D5	276.2 -> 187	5.450	7570595
EDDP	279.2 -> 235				-	<b>7</b> 279.2 -> 250			L	EDDP-D3	282.2 -> 235	5.858	913875
Fentanyl	337.2 -> 105					<b>7</b> 337.2 -> 188			L	Fentanyl-D5	342.3 -> 105	5.929	6191309
Fluoxetine	310.1 -> 44.3					<b>7</b> 310.1 -> 148			L	Fluoxetine-D6	316.2 -> 44.3	6,136	8920754
Hydrocodone	300.2 -> 198	8/13/2018 12:16 PM				300.2 -> 128			L	Hydrocodone-D6	306.2 -> 202	4.853	1180117
Hydromorphone	286.2 -> 184	8/13/2018 12:16 PM				286.2 -> 157_				Hydromorphone-D6	292.2 -> 185	4.274	382850
Ketamine	238.1 -> 125					238.1 -> 220				Ketamine-D4	242.1 -> 129	5.250	3540872
Metoproloi	268.2 -> 116		5.307	1739089	35.69	ΔĒ	17968	73.97		Carisoprodol-D7	268.2 -> 183	5.962	268021
Mirtazapine	266.2 -> 195					266.2 -> 72.3				Carisoprodol-D7	4	5.962	268021
Meprobamate	219.1 -> 158					2191->971				Meprobamate-D7	226.2 -> 165	5.415	46475
Methadone	310.2 -> 265	-				310.2 -> 105				Methadone-D9	319.3 -> 268	6.177	4205096
Methamphetamine	150.1 -> 91.1		4.889	1821399	5.17	<b>150.1 -&gt; 119</b>	373865	3 06		Methamphetamine-D11	161.2 -> 97.1	4.787	1582429
Morphine	286.2 -> 201					286.2 -> 165				Morphine-D6	292.2 -> 152	4 011	84153
Norbuprenorphine	414.3 -> 101					414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101	5.703	54831
Nordiazepam	271.1 -> 140					271.1 -> 208				Nordiazepam-D5	276.1 -> 140	6.450	406558
Nortentanyl	233.2 -> 84.2					Ą				Norfentanyl-D5	238.2 -> 84.2	5.109	5115721
Nornydrocodone	286.2 -> 199					Ą١				Norhydrocodone-D3	289.2 -> 202	4.797	382962
Noroxycodone				COCOLT		302.1 -> 186				Noroxycodone-D3	305.2 -> 287	4.712	940252
O-desmetriyi-trama	250.2 - 250.3	8/13/2018 12:16 PM	4./63	4/3822	6./6	<b>7</b> 797 1 250 2 -> 42.3				O-desmethyl-tramadol	256.2 -> 64.3	4.702	4226739
Ovicodone	216 7 -> 240.		A 761	AADGTEA	57 69		070404	E7 E7	L	Ovadepatin-US		0.203	303260
Oxymorphone	302 1 -> 284	_		10.0711	22:22	1	000	10:10		Oxymomhone-D3	305.2 -> 287	4 066	707388
Phentermine	150.1 -> 65.2	-	4.909	463628	Infinity	1			L	Phentermine-D5	155.2 -> 96.2	4.929	1700816
Promethazine	285.1 -> 86.2	8/13/2018 12:16 PM				<b>7</b> 285.1 -> 71.3			L	Promethazine-D3	288.2 -> 89.2	6.222	6020767
Quetiapine	384.2 -> 253					<b>7</b> 384.2 -> 221.			Ē	Quetiapine-D8	392.2 -> 226	6.172	1299078
Sertraline	306.1 -> 158					<b>7</b> 306.1 -> 275			L	Sertraline-D3	309.1 -> 275	6.423	2657706
Temazepam	301.1 -> 255					301.1 -> 283				Temazepam-D5	306.1 -> 260	6.405	3208537
Tramadol	264.2 -> 58.3	8/13/2018 12:16 PM				4				Tramadol-13C-D3	268.2 -> 58.3	5.226	9760255
Trazodone	372.2 -> 176	372.2 -> 176 8/13/2018 12:16 PM				372.2 -> 148				Trazodone-D6	378.2 -> 182	6.538	4332179

Compound Method	Method	. på external control.	1	external col	p1 external control Results	2	Oubliffer 1 M Qualifier 1 Results	<b>Oualifie</b>	x 1 Results	19 1. 18 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19 1. 19	a Constant and STD Method	- national - po	GISI	ISTD Results
Name	Transition	Transition Acq. Date Time RT	ВŢ	Resp.	SA	IW	Transition	Area.	S/N	Ī	Name	Transition	RI	RI Resp.
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/13/2018 12:16 PM					278.2 -> 260			L	Venlafaxine-D6	284.2 -> 64.3 5.593	5.593	6230736
Zolpidem	308.2 -> 235	308.2 -> 235 8/13/2018 12:16 PM				L	308.2 -> 263			L	Zolpidem-D6	314.2 -> 235 5.994	5.994	104500
Mitragynine	399.2 -> 174	399.2 -> 174., 8/13/2018 12.16 PM				L	399.2 -> 238			L	Quetiapine-D8	392.2 -> 226 6.172	6.172	1299078

Methamphetamine contamination, sample was reinjected 8/13/18

	A STATISTICS IN STATISTICS	A REAL PROPERTY AND A REAL			÷						SILL Results	SIL
Name	Transition	Acq. Date-Time	RT Resp.	p. S/N	Ø	Transition	Area S/N N	MI Name	ne	Transition	RT	Resp.
6-MAM	328.2 -> 165				L	328.2 -> 211		6-MAM-D6		334.2 -> 165		
7-aminoclonazepam	286.1 -> 121					286,1 -> 222		7-Aminoclonazepam-D4	azepam-D4	290.1 -> 121		
Benzoylecgonine	290.1 -> 168				L	290.1 -> 105		Benzoylecgonine-D8	nine-D8	298.2 -> 171		
a-hydroxyalprazolam	325.1 -> 297	8/13/2018 5:38 PM			L	325.1 -> 215		a-hydroxyalprazolam-D5	razolam-D5	330.1 -> 302	6 621	379
alpha-PVP	232.2 -> 91.0	8/13/2018 5:38 PM		_	L	232.2 -> 77 1		alpha-PVP-d8		240.2 -> 91.1	5.210	1182
Alprazolam	309_1 -> 281	8/13/2018 5:38 PM			L	309.1 -> 205		Alprazolam-D5	5	314.1 -> 286		
Amphetamine	136.1 -> 91.1				L	136.1 -> 119		- Amphetamine-D11	PD11	147.2 -> 130	4.324	494
Cocaine	304.2 -> 182	8/13/2018 5:38 PM			L	304.2 -> 105		Cocaine-D3		307.2 -> 185	5 527	1040
Bupropion	240.1 -> 184				L	240 1 -> 131		Bupropion-D9		249.2 -> 185		
Carisoprodol	261.2 -> 176	8/13/2018 5:38 PM			L	261.2 -> 55.3		Carisoprodol-D7	07	268.2 -> 183		
Citalopram	325.2 -> 109			_	Ľ	325.2 -> 262		Citalopram-D6	9	331.2 -> 109	6174	291
Clonazepam	316.1 -> 269				L	316.1 -> 213_	<u></u>	Clonazepam-D4	D4	320.1 -> 217		
Codeine	300.2 -> 215				L	300.2 -> 165	<u></u>	Codeine-D6		306.2 -> 218		
Cyclobenzaprine	276.2 -> 214	_		_	L	276.2 -> 231		Cyclobenzaprine-D3	rine-D3	279.2 -> 215	6 4 4 8	363
Dextromethorphan	272.2 -> 171	8/13/2018 5:38 PM			L	272.2 -> 147		Dextromethorphan-D3	phan-D3	275.2 -> 171	5.859	965
Dextrorphan	258.2 -> 157	8/13/2018 5:38 PM			Ē	258.2 -> 133		Dextrorphan-D3	D3	261.2 -> 157		
Diazepam	285.1 -> 193	8/13/2018 5:38 PM			L	285.1 -> 153		Diazepam-D5		290.1 -> 198	6.588	146
Dihydrocodeine	302.2 -> 198	8/13/2018 5:38 PM		-	L	302.2 -> 128		Dihvdrocodeine-D6	ne-D6	308 2 -> 202	4 792	349
Diphenhydramine	256.2 -> 167				L	256.2 -> 152		Diphenhvdramine-D3	nine-D3	259.2 -> 167	5.801	2330
Doxylamine	271.2 -> 182.	8/13/2018 5:38 PM			L	271.2 -> 167		Doxvlamine-D5	05	276.2 -> 187	5 450	1469
EDDP	279.2 -> 235	8/13/2018 5:38 PM			L	279.2 -> 250	<b>I</b>	EDDP-D3		282.2 -> 235	6 224	109
Fentanyl	337.2 -> 105	8/13/2018 5:38 PM			L	337.2 -> 188	L	Fentanyl-D5		342.3 -> 105	5.889	2497
Fluoxetine	310.1 -> 44.3	8/13/2018 5:38 PM				310.1 -> 148		Fluoxetine-D6		316.2 -> 44.3	5.912	910
Hydrocodone	300.2 -> 198	8/13/2018 5:38 PM			L	300.2 -> 128		Hydrocodone-D6	-D6	306.2 -> 202	4.772	1004
Hydromorphone	286.2 -> 184	8/13/2018 5:38 PM				286.2 -> 157		Hydromorphone-D6	ne-D6	292.2 -> 185	4.313	289
Ketamine	238.1 -> 125	8/13/2018 5:38 PM			L	238.1 -> 220		Ketamine-D4		242.1 -> 129	5.311	503
Metoproloi	268.2 -> 116	8/13/2018 5:38 PM			Ē	268.2 -> 56.3		Carisoprodol-D7	D7	268.2 -> 183		
Mirtazapine	266.2 -> 195	8/13/2018 5:38 PM			L	266.2 -> 72.3		Carisoprodol-D7	D7	268.2 -> 183		
Meprobamate	219.1 -> 158					219 1 -> 97.1		Meprobamate-D7	-D7	226.2 -> 165		
Methadone	310.2 -> 265				L	310.2 -> 105		Methadone-D9	6	319.3 -> 268	6 421	2221
Methamphetamine	150.1 -> 91.1	8/13/2018 5:38 PM			L	150.1 -> 119.	_	Methamphetamine-D11	mine-D11	161.2 -> 97.1	5 071	573
Morphine	286.2 -> 201				L	286.2 -> 165		Morphine-D6		292.2 -> 152		
Norbuprenorphine	414.3 -> 101				L	414.3 -> 57.3	_	Norbuprenorphine-D3	hine-D3	417.3 -> 101		
Nordiazepam	271.1 -> 140	8/13/2018 5:38 PM				271.1 -> 208		Nordiazepam-D5	-D5	276.1 -> 140	6.409	737
Norfentanyl	233.2 -> 84.2				L	233.2 -> 55.3		Norfentanyl-D5	5	238.2 -> 84.2	5.109	3376
Norhydrocodone	286.2 -> 199					286.2 -> 171		Northydrocodone-D3	one-D3	289.2 -> 202	4.797	-
Noroxycodone	302.1 -> 284				L	302.1 -> 186		Noroxycodone-D3	e-D3	305.2 -> 287	4,651	1490
O-desmethyl-trama	250.2 -> 58.3				L	250.2 -> 42.3		O-desmethyl-tramadol	-tramadol	256.2 -> 64.3	4.662	810
Oxazepam	287.1 -> 240		-	_	L	287.1 -> 268		Oxazepam-D5	6	292.1 -> 246	6.344	1459
Oxycodone	316.2 -> 298				L	316.2 -> 241		Oxycodone-D6	9	4	4.791	1376
Oxymorphone	302.1 -> 284	8/13/2018 5:38 PM			L	302 1 -> 227		Oxymorphone-D3	PD3	305.2 -> 287	4 268	2284
Phentermine	150.1 -> 65.2	8/13/2018 5:38 PM			Ľ	150.1 -> 133		Phentermine-D5	D5	155.2 -> 96.2	4.990	749
Promethazine	285.1 -> 86.2	8/13/2018 5:38 PM				285.1 -> 71.3		Promethazine-D3	-D3	288,2 -> 89,2	6.345	3488
Quetiapine	384.2 -> 253				L	4		Quetiapine-D8	8	392.2 -> 226		
Sertraline	306.1 -> 158				L	306.1 -> 275		Sertraline-D3		309.1 -> 275	6.464	2707
Temazepam	301.1 -> 255				L	301.1 -> 283	<u> </u>	Temazepam-D5	D5	306.1 -> 260	6.445	597
Tramadol	264.2 -> 58.3	8/13/2018 5:38 PM			L	264.2 -> 43.3		Tramadol-13C-D3	2-D3	268.2 -> 58.3	5 267	2832
							11			1.001	24.0	

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G.	2	2	2	
Besul	RT Resp.	3 400	4 210	
DIST	БЧ	5.63	6.01	
1 Companies and ASHD Results	Transition	284.2 -> 64.3 5.633	314.2 -> 235 6.014 2100	392.2 -> 226
··· utentitierungia al ST.D.Method	Name	Venlafaxine-D6	Zolpidem-D6	Quetiapine-D8
1.8-	N N	L	Ľ	
ualitier	Area S/N MI		-	-
Qualifier 1 M.	MI Transition A	278.2 -> 260	308.2 -> 263	399.2 -> 238
njec	W	L		L
atrol re	S/N			
pal.cot	Resp.			
p1 exter	RI			
o1 external control re.	Acq. Date-Time	278.2 -> 58.3 8/13/2018 5:38 PM	308.2 -> 235 8/13/2018 5:38 PM	399.2 -> 174 8/13/2018 5:38 PM
thodaman : a connam	autimistion	278.2 -> 58.3 8	308.2 -> 235 8	399.2 -> 174 {
and remaining Compound Method and remain p1 external control re- p1 external control re- p1 external control re-		Venlafaxine	Zolpidem	Mitragynine

Sample volume was insufficient. Sample was reconstituted and reinjected 8/14/18.

Compound Method	Method	p1 external control ret	p1 exter	p1 external control reinject2	reinject2 Re	Qualifier 1 M	Qualifier	Qualifier 1 Results	and some in the contract	ISTD Method	P	ISTDF	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	L Transition	Area	S/N	MI Name	0)	Transition	RT	Resp.
6-MAM	328.2 -> 165	8/14/2018 10:20 AM				328.2 -> 211			6-MAM-D6		334.2 -> 165	4.790	180394
7-aminoclonazepam	1 286.1 -> 121	-				286 1 -> 222			7-Aminoclonazepam-D4	epam-D4	290.1 -> 121	5.365	166614
Benzoylecgonine	290.1 -> 168				L	290.1 -> 105			Benzoylecgonine-D8	ne-D8	298.2 -> 171	5.119	17426
a-hydroxyalprazolam	-	-			L	325.1 -> 215			a-hydroxyalprazolam-D5	zolam-D5	330.1 -> 302	6.256	213202
alpha-PVP	232.2 -> 91.0	_				232.2 -> 77.1			alpha-PVP-d8		240.2 -> 91.1	5.373	28837
Alprazolam	309.1 -> 281	-			L	309.1 -> 205		II.	Alprazolam-D5		314.1 -> 286	6.341	24674
Amphetamine	136.1 -> 91.1					136.1 -> 119			Amphetamine-D11	011	147.2 -> 130_	4.647	374237
Cocaine	304.2 -> 182	8/14/2018 10:20 AM				304.2 -> 105		-	Cocaine-D3		307.2 -> 185	5.402	18620
Bupropion	240.1 -> 184	8/14/2018 10:20 AM			L	240.1 -> 131			Bupropion-D9		249.2 -> 185	5.557	167521
Carisoprodol	261.2 -> 176	8/14/2018 10:20 AM				261.2 -> 55.3		=	Carisoprodol-D7	2	268.2 -> 183	5.962	257281
Citalopram	325.2 -> 109	8/14/2018 10:20 AM				325.2 -> 262			Citalopram-D6		331.2 -> 109.	5.930	17226
Clonazepam	316.1 -> 269	8/14/2018 10:20 AM			L	316.1 -> 213			Clonazepam-D4	4	320.1 -> 217	6 197	70384
Codeine	300.2 -> 215	-			L	1			Codeine-D6		306.2 -> 218	4 630	190967
Cyclobenzaprine	276.2 -> 214					276.2 -> 231			Cvclobenzaprine-D3	e-D3	279.2 -> 215	6.224	20215
Dextromethorphan	272.2 -> 171	8/14/2018 10:20 AM				272.2 -> 147			Dextromethorphan-D3	han-D3	275 2 -> 171	5 940	12532
Dextrorphan	258.2 -> 157	8/14/2018 10:20 AM				258.2 -> 133			Dextrorphan-D3		261.2 -> 157_	5.269	14827
Diazepam	285 1 -> 193	8/14/2018 10:20 AM	6.610	28129	Infinity	285 1 -> 153	43622	5943	Diazenam-D5		290.1 -> 198	6.609	10551
Dihvdrocodeine						1			Dihvdrocodeine-D6	-D6	308.2 -> 202	4 570	7/228/08
Diphenhvdramine			T			256 2 -> 152			Dinhenhvdramine-D3	ne-D3	259.2 -> 167	5 862	51040
Doxvlamine	271.2 -> 182					271.2 -> 167			Doxvlamine-D5		1	5 450	67015
EDDP	279.2 -> 235					279.2 -> 250			EDDP-D3		282 2 -> 235	5 878	524020
Fentanvl	337.2 -> 105					337.2 -> 188			Fentanyl-D5		342 3 -> 105	5 950	49095
Fluoxetine	310.1 -> 44.3								Fluoxetine-D6		316 2 -> 44 3	6 156	78106
Hvdrocodone	300.2 -> 198					300 2 -> 128			Hvdrocodone-D6	90	306.2 -> 202	4 873	818462
Hydromorphone	286.2 -> 184					286.2 -> 157			Hvdromorphone-D6	9-D6	292 2 -> 185	4 274	399065
Ketamine	238.1 -> 125					238 1 -> 220			Ketamine-D4		242 1 -> 129	5 271	29785
Metonrolol	268.2 -> 116		5 307	16081	758859	768 7 -> 56 3	17581	6750	Carleoprodol 07	-		E OCO	067001
Mirtozonino			20.0			C C L \ C 33C	# DO 2				······································	2000 1	107/07
andapula						F 20 - F 0FC					200.2 -> 183	796.0	187/07
INIChionaliate	213.1 -7 130				_ 1	219.1-> 9/ 1			Meprobamate-U/	10	226.2 -> 165	5.415	33059
Methadone	310.2 -> 265					310.2 -> 105			Methadone-D9		319.3 -> 268.	6.177	36258
Methamphetamine	1.18 <- 1.061	8/14/2018 10:20 AM	4.930	327990	8C 1				Methamphetamine-D11	Ine-D11	161.2 -> 97.1	4.828	14428
worpnine	-107 7927	8/14/2018 10:20 AM			_	286.2 -> 165.			Morphine-D6	0	292.2 -> 152.	4.031	22935
Norpuprenorphine	414.3 -> 101	8/14/2018 10:20 AM				414.3 -> 5/.3			Norbuprenorphine-D3	ne-D3	417.3 -> 101	5.744	51423
Nordiazepam	271.1 -> 140	8/14/2018 10:20 AM				271.1 -> 208			Nordiazepam-D5	5	276.1 -> 140	6 429	364285
Norfentanyl	233.2 -> 84.2	_				233.2 -> 55.3			Norfentanyl-D5		238.2 -> 84.2	5.129	43179
Norhydrocodone	286.2 -> 199					286.2 -> 171			<ul> <li>Norhydrocodone-D3</li> </ul>	e-D3	289.2 -> 202	4.818	335855
Noroxycodone	302.1 -> 284	8/14/2018 10:20 AM			L	302.1 -> 186			Noroxycodone-D3	D3	305.2 -> 287	4.732	825407
O-desmethyl-trama.	250.2 -> 58.3	8/14/2018 10:20 AM			<u> </u>	250.2 -> 42.3			O-desmethyl-tramadol	amadol	256.2 -> 64.3	4.702	35932
Oxazepam	287.1 -> 240	8/14/2018 10:20 AM				287.1 -> 268		-	Cxazepam-D5		292.1 -> 246	6.263	267027
Oxycodone	316.2 -> 298	8/14/2018 10:20 AM	4.751	37637	Infinity	316.2 -> 241	839748	37.58	Oxycodone-D6		322.2 -> 304	4 730	11827
Oxymorphone	302.1 -> 284	8/14/2018 10:20 AM			L	302.1 -> 227			Oxymorphone-D3	33	305.2 -> 287	4.086	534418
Phentermine	150.1 -> 65.2	8/14/2018 10:20 AM			L	150.1 -> 133			Phentermine-D5	2	155.2 -> 96.2	4.929	14924
Promethazine	285.1 -> 86.2	8/14/2018 10:20 AM			L	4			Promethazine-D3	03	288.2 -> 89.2	6 222	44237
Quetiapine	384.2 -> 253.	8/14/2018 10:20 AM				384.2 -> 221			- Quetiapine-D8		392 2 -> 226	6 192	11824
Sertraline	306.1 -> 158.	8/14/2018 10:20 AM				306 1 -> 275			Sertraline-D3		309 1 -> 275	6 444	25049
Temazepam	301.1 -> 255	8/14/2018 10:20 AM			L	301.1 -> 283			Temazepam-D5		306.1 -> 260	6 425	29238
Tramadol	264.2 -> 58.3	8/14/2018 10:20 AM				264 2 -> 43 3			Tramadol-13C-D3	D3	268.2 -> 58.3	5.246	80343
										2	200		

LIMBURE SAMPOUND METHOD MAN	Method annual commune	management p1 external control rei. p1 external control reinject2 Re Qualifier 1 M	p1 exte	rnal contre	ol reinject2 R	e. O	ualifier 1 M	Oualifier	1 Resul	2	Method		ISTD Results	Results
Name	Transition	Acq. Date-Time	ЪТ	RT Resp.	NVS	<b>I</b>	Transition	Area	S/N	<b>T</b>	A MARCANE AND	Transition of	RT	Resp.
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/14/2018 10:20 AM			_	2	278.2 -> 260			Ĺ	Venlafaxine-D6	284.2 -> 64.3 5.613	5.613	49638
Zolpidem	308.2 -> 235	308.2 -> 235 8/14/2018 10:20 AM				3(	308.2 -> 263				Zolpidem-D6	314.2 -> 235 6.014	6.014	82306
Mitragynine	399.2 -> 174	399.2 -> 174 8/14/2018 10:20 AM			=	ё Г	399.2 -> 238			L	Cuetiapine-D8	392.2 -> 226 6.192	6.192	11824

Compound Method	othod	24000	ISTD Results	and a second	p2 cal 1b	a 12 m ca	p2 cal 1b Results	Results	9	Qualifier 1 Met.	Qualifie	Qualifier 1 Results		ISTD Method	lethod
Name	Transition	RT.	Resp.	ĪW	Acq. Date-Time	R	Resp.	S/N	ĨW	Transition	Area	S/N	W	Name	Transition
7-aminoflunitrazepam	284.1 -> 135	5.540	2106607		8/13/2018 11:47	5.562	521193	Infinity		284.1 -> 93.2	53210	813.41	L	7-aminoflunitraz	291.2 -> 138.1
Acetyl Fentanyl	323.2 -> 105	5.739	4498696	_	8/13/2018 11:47	5.760	71314	68.56		323.2 -> 188.0	25217	149.42		Acetyl Fentanyl-	328.2 -> 105.1
Acetvl Norfentanvl	219.1 -> 84.2	4.653	2748068		8/13/2018 11:47	4.655	51086	19629.93		219.1 -> 56.3	17942	74.05	L	Acetyl Norfentan	1
alpha-hydroxymidaz	342.1 -> 324	6.346	2222630	Ĩ	8/13/2018 11:47	6.346	341955	101.64		342.1 -> 203.0	183169	691.75	L	alpha-hydroxymi	346.1 -> 328.1
Amitriptyline	278.2 -> 91.2	6.293	3053638	~	8/13/2018 11:47	6.274	1292896	Infinity		278.2 -> 105.1	410783	Infinity	L	Amitriptyline-D3	281.2 -> 91.2
Carbamazepine	237.1 -> 193	5,994	9296999 [		8/13/2018 11:47	5.996	220137	Infinity		237.1 -> 194.0	14974	84.34	L	Carbamazepine	243.1 -> 200.1
Chlordiazepoxide	300.1 -> 227	6.494	2220613	-	8/13/2018 11:47	6.494	92247	44614.31		300.1 -> 282.7	167453	79256.60	Ē	Chlordiazepoxid	305.1 -> 286.1
Desipramine	267.2 -> 72.3	6.236	110211	~	8/13/2018 11:47	6.256	1730433	22.04		267.2 -> 44.3	782967	95.59	L	Desipramine-D3	270.2 -> 75.3
Doxepin	280.2 -> 107	6.049	963631		8/13/2018 11:47	6.050	319954	8.53		280.2 -> 77.2	193774	14.60	L	Doxepin-D3	283.2 -> 107.1
Estazolam	295.1 -> 267	6.271	3515153	-	8/13/2018 11:47	6.292	553074	209.35		295.1 -> 205.0	306713	65839.44	L	Estazolam-D5	300.1 -> 272.0
Flunitrazepam	314.1 -> 268	6.329	203913		8/13/2018 11:47	6.349	562255	97.65	0	314.1 -> 239.0	160769	42078.97	L	Flunitrazepam-D7	321 1 -> 245 6
Flurazepam	388.2 -> 315	5.918	702144	-	8/13/2018 11:47	6.000	889774	184503.37	1	388.2 -> 317.0	110279	19169.77		Zopiclone-D4	393.1 -> 244.9
Imipramine	281.2 -> 86.2	6.252	7179851	-	8/13/2018 11:47	6.273	1895926	Infinity		281.2 -> 58.3	10408	Infinity	L	Imipramine-D3	284.2 -> 61.3
Levamisole	205.1 -> 91.2	5.024	141719		8/13/2018 11:47	4.941	291902	6.59		205.1 -> 178.0	263608	8.77		MDMA-D6	200.2 -> 166.0
Maprotiline	278.2 -> 91.2	5.442	2070739		8/13/2018 11:47	5.887	1001237	Infinity		278.2 -> 117.1	10617	6186.04	L	Meperidine-D4	252.2 -> 224.0
MDA	180.1 -> 163	4.903	602521	-	8/13/2018 11:47	4.904	180593	7.52	Ē	180.1 -> 105.1	99083	9.36		MDA-D5	185.1 -> 168.0
MDEA	208.1 -> 163	5.185	3113881		8/13/2018 11:47	5.185	695984	7.49		208.1 -> 105.1	363970	22.05	L	MDEA-D6	214.2 -> 166.0
MDMA	194.1 -> 163_	5.024	141719	-	8/13/2018 11:47	5.045	400214	120249.42	Ē	194.1 -> 105.1	250699	18.72	L	MDMA-D6	200.2 -> 166.0
Meperidine	248.2 -> 220	5 442	2070739		8/13/2018 11:47	5.443	327609	123861.11		248.2 -> 174.0	264540	2398.17	L	Meperidine-D4	252.2 -> 224.0
Methylphenidate	234.2 -> 84.2	5.442	2070739	~	8/13/2018 11:47	5.345	1972804	Infinity		234.2 -> 56.3	431372	Infinity	L	Meperidine-D4	252.2 -> 224.0
Midazolam	326.1 -> 223	6.490	3177990		8/13/2018 11:47	6.490	179284	1352.72	3	326.1 -> 249.0	268451	1218.71	L	Midazolam-D4	330.1 -> 295.1
Normeperidine	234.1 -> 42.3	5.445	2359238		8/13/2018 11:47	5.447	405630	35.71		234.1 -> 160.0	318858	5048.62		Normeperidine	238.2 -> 164.0
Nortriptyline	264.2 -> 91.2	6.276	2990858		8/13/2018 11:47	6.196	2464985	Infinity		264.2 -> 233.0	21982	Infinity	L	Nortriptyline-D3	267.2 -> 233.0
Phenazepam	349.0 -> 206	6.385	71623	~	8/13/2018 11:47	6.406	176636	43448.48	(m)	349.0 -> 183.8	136609	347.02	L	Phenazepam-D4	353.0 -> 183.9
Phencyclidine	244.2 -> 86.2	5.728	4028061		8/13/2018 11:47	5.749	529714	428397.27		244.2 -> 91.1	571920	38.93		Phencydlidine-D5	249.2 -> 86.2
Phenytoin	253.1 -> 104	5.890	72130	-	8/13/2018 11:47	5.890	17479	50.07		253.1 -> 182.0	4429	41.13	L	Phenytoin-D10	263.2 -> 192.1
Pseudoephedrine	166.1 -> 148	4.401	3143876	-	8/13/2018 11:47	4.402	7629101	60.13 [	-	166.1 -> 133.1	16168	64.42	L	Pseudoephedrin	169.1 -> 151.1
Sufentanil	387.2 -> 238	6.242	5215553	~	8/13/2018 11:47	6.263	97227	133604.91	0	387.2 -> 111.0	64840	147.40		Sufentanil-D5	392.2 -> 238.0
Tapentadol	222.2 -> 107	5.265	4150447	-	8/13/2018 11:47	5.266	871633	196.85	2	222.2 -> 121.0	418853	163.33	L	Tapentadol-D3	225.2 -> 107.0
Zaleplon	306.1 -> 236	6.127	1470084		8/13/2018 11:47	6.127	451156	250.84	3	306.1 -> 264.0	482930	115256		Zaleplon-D4	310.2 -> 240.0
Zoniolono	010 L 110 L 1000	CTC L	L	1	CV. FF 0F00/0F/0	0000	10101	10000	1	0000 - 1000	10001	1 00 02		- - -	

Compound Miethod	ethod	p2 negative		p2 negative Results	Results	Qualifier 1 M	Qualifier 1 R	- ISTD Method	and a constant of the second of	IST	ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MJ Transition	Area S/N MI	l Name	Transition	RT.	Resp. A	Ā
7-aminoflunitrazepam	284.1 -> 135	8/13/2018 12:06 PM				<b>7</b> 284.1 -> 93.2		7-aminoflunitrazepam-D7	291.2 -> 138	5.540	2379205	L
Acetyl Fentanyl	323.2 -> 105	323.2 -> 105 8/13/2018 12:06 PM				∏ 323.2 -> 188		Acetyl Fentanyl-D5	328.2 -> 105	5.739	5391152	L
Acetyl Norfentanyl	219.1 -> 84.2	8/13/2018 12:06 PM				<b>7</b> 219.1 -> 56.3		Acetyl Norfentanyl-D5	224.2 -> 84.2	4.653	2969723	L
alpha-hydroxymidaz		8/13/2018 12:06 PM				342.1 -> 203		alpha-hydroxymidazolam	346.1 -> 328	6.346	2228900	
Amitriptyline	278.2 -> 91.2	278.2 -> 91.2 8/13/2018 12:06 PM				Γ 278.2 -> 105		Amitriptyline-D3	281.2 -> 91.2	6.293	3443959 [	
Carbamazepine	237.1 -> 193	237.1 -> 193   8/13/2018 12:06 PM				<b>[</b> 237.1 -> 194		Carbamazepine-13C6	243.1 -> 200	5.994	9987663	L
Chlordiazepoxide	300.1 -> 227_	300.1 -> 227 8/13/2018 12:06 PM				<b>[</b> 300.1 -> 282.		Chlordiazepoxide-D5	305.1 -> 286	6.494	2292937	
Desipramine	267.2 -> 72.3	8/13/2018 12:06 PM				<b>7</b> 267.2 -> 44.3		Desipramine-D3	270.2 -> 75.3	6.256	120507 [	
Doxepin	280.2 -> 107	. 8/13/2018 12:06 PM				<b>7</b> 280.2 -> 77.2		Doxepin-D3	283.2 -> 107	6.049	1237004	
Estazolam	295.1 -> 267	. 8/13/2018 12:06 PM	6 598	3076	920.22	<b>[</b> 295.1 -> 205.		Estazolam-D5	300.1 -> 272	6.271	4039943	IL
Flunitrazepam	314.1 -> 268	. 8/13/2018 12:06 PM				□ 314.1 -> 239		Flunitrazepam-D7	321.1 -> 245	6.329	259902	
Flurazepam	388.2 -> 315	. 8/13/2018 12:06 PM				<b>7</b> 388.2 -> 317_		Zopiclone-D4	393.1 -> 244	5.938	892224	
Imipramine	281.2 -> 86.2	8/13/2018 12:06 PM				281.2 -> 58.3		Imipramine-D3	284.2 -> 61.3	6.273	8353908	
Levamisole	205.1 -> 91.2	8/13/2018 12:06 PM				<b>7</b> 205.1 -> 178		MDMA-D6	200.2 -> 166	5.024	171607	
Maprotiline	278.2 -> 91.2	8/13/2018 12:06 PM				[7] 278.2 -> 117		Meperidine-D4	252.2 -> 224	5.442	2341880	
MDA	180.1 -> 163	180.1 -> 163 8/13/2018 12:06 PM				<b>T</b> 180.1 -> 105		MDA-D5	185.1 -> 168	4.883	662972	
MDEA	208.1 -> 163	208.1 -> 163   8/13/2018 12:06 PM				208.1 -> 105		MDEA-D6	214.2 -> 166	5.185	3391513	11
MDMA	194.1 -> 163	194.1 -> 163 8/13/2018 12:06 PM				<b>1</b> 194.1 -> 105		MDMA-D6	200.2 -> 166	5.024	171607 [	
Meperidine	248.2 -> 220	248.2 -> 220 8/13/2018 12:06 PM				<b>Г</b> 248.2 -> 174.		Meperidine-D4	252.2 -> 224	5.442	2341880	
Methylphenidate	234.2 -> 84.2	234.2 -> 84.2 8/13/2018 12:06 PM				<b>7</b> 234.2 -> 56.3		Meperidine-D4	252.2 -> 224	5.442	2341880	
Midazolam	326.1 -> 223				-	<b>7</b> 326.1 -> 249_		Midazolam-D4	330.1 -> 295	6.490	3428890	
Normeperidine	234.1 -> 42.3	8/13/2018 12:06 PM				234.1 -> 160		Normeperidine-D4	238.2 -> 164	5.445	2721723	
Nortriptyline	264.2 -> 91.2	8/13/2018 12:06 PM				<b>[</b> 264.2 -> 233		Nortriptyline-D3	267.2 -> 233	6.276	3465537	
Phenazepam	349.0 -> 206					<b>7</b> 349.0 -> 183		Phenazepam-D4	353.0 -> 183	6.385	74571	
Phencyclidine	244.2 -> 86.2	8/13/2018 12:06 PM				244.2 -> 91.1		Phencydlidine-D5	249.2 -> 86.2	5.728	4388318	
Phenytoin	253.1 -> 104	253.1 -> 104 8/13/2018 12:06 PM				253.1 -> 182		Phenytoin-D10	263.2 -> 192	5.890	80090	
Pseudoephedrine	166.1 -> 148	166.1 -> 148 8/13/2018 12:06 PM				<b>F</b> 166.1 -> 133		Pseudoephedrine-D3	169.1 -> 151	4.401	3216808 F	
Sufentanil	387.2 -> 238	387.2 -> 238 8/13/2018 12:06 PM				<b>7</b> 387.2 -> 111_		Sufentanil-D5	392.2 -> 238	6.222	5795457	
Tapentadol	222.2 -> 107	222.2 -> 107 8/13/2018 12:06 PM				222.2 -> 121		Tapentadol-D3	225.2 -> 107	5.265	4377257	
Zaleplon	306.1 -> 236	306.1 -> 236 8/13/2018 12:06 PM				<b>7</b> 306.1 -> 264	L	Zalepion-D4	310.2 -> 240	6.127	1642133	
Zopiclone	389.1 -> 244	389.1 -> 244 8/13/2018 12:06 PM				<b>7</b> 389.1 -> 216		Zopiclone-D4	393.1 -> 244. 5.938	5.938	892224	

Compound Method	sthod	p2 external control	p2 ext	ternal cont	p2 external control Results	Qualifier 1 M	Qualifier	Qualifier 1 Results	ISTD Method	thod	<u>o</u>	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	AL Transition	Area	S/N	MI Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	8/13/2018 12:26 PM				284.1 -> 93.2			7-aminoflunitrazepam-D7	7 291.2 -> 138_	5.540	2367511
Acetyl Fentanyl	323.2 -> 105	323.2 -> 105 8/13/2018 12:26 PM				323.2 -> 188			Acetyl Fentanyl-D5	328.2 -> 105	. 5.760	5752870
Acetyl Norfentanyl	219.1 -> 84.2	8/13/2018 12:26 PM			1	219.1 -> 56.3		-	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.653	2967443
alpha-hydroxymidaz	_	342.1 -> 324 8/13/2018 12:26 PM		-		342.1 -> 203			alpha-hydroxymidazolam	-	6.346	
Amitriptyline	278.2 -> 91.2	278.2 -> 91.2 8/13/2018 12:26 PM		-	<u></u>	278.2 -> 105			Amitriptyline-D3	281.2 ->	-	. 3
Carbamazepine	237.1 -> 193	237.1 -> 193 8/13/2018 12:26 PM			<u>L</u>	237.1 -> 194			Carbamazepine-13C6	243.1 -> 200.	5.994	9768869
Chlordiazepoxide	300.1 -> 227	8/13/2018 12:26 PM			-	300.1 -> 282.			Chlordiazepoxide-D5	305 1 -> 286		
Desipramine	267.2 -> 72.3	8/13/2018 12:26 PM			have	267.2 -> 44.3			Desipramine-D3	1	-	
Doxepin	280.2 -> 107	8/13/2018 12:26 PM			<b>L</b>	280.2 -> 77.2			Doxepin-D3	283.2 -> 107	<u> </u>	
Estazolam	295.1 -> 267	8/13/2018 12:26 PM				295.1 -> 205			Estazolam-D5	300.1 -> 272	_	~
Flunitrazepam	314.1 -> 268	314.1 -> 268 8/13/2018 12:26 PM			<u> </u>	314.1 -> 239.			Flunitrazepam-D7	321.1 -> 245	6.329	277745
Flurazepam	388.2 -> 315	388.2 -> 315 8/13/2018 12:26 PM			L	388.2 -> 317			Zopiclone-D4	393.1 -> 244	5.918	
Imipramine	281.2 -> 86.2	8/13/2018 12:26 PM				281.2 -> 58.3			Imipramine-D3	284.2 -> 61.3	6.252	8013673
Levamisole	205.1 -> 91.2	8/13/2018 12:26 PM	5 349	13537	0.95	205.1 -> 178			MDMA-D6	200.2 -> 166	. 5.004	154860
Maprotiline	278.2 -> 91.2	8/13/2018 12:26 PM				278,2 -> 117		here	Meperidine-D4	252.2 -> 224	5 442	2250374
MDA	180.1 -> 163				<b></b>	180.1 -> 105			MDA-D5	185.1 -> 168	4.903	647476
MDEA	208.1 -> 163	8/13/2018 12:26 PM			1	208.1 -> 105			MDEA-D6	214.2 -> 166	5.164	3342290
MDMA	194.1 -> 163	8/13/2018 12:26 PM				<b>194 1 -&gt; 105</b>			MDMA-D6	200.2 -> 166	5.004	154860
Meperidine	248.2 -> 220	248.2 -> 220 8/13/2018 12:26 PM	5.443 4	4094495	140.19	248.2 -> 174	33629	89,35	Meperidine-D4	252.2 -> 224	5.442	2250374
Methylphenidate	234.2 -> 84.2	8/13/2018 12:26 PM				234.2 -> 56.3			Meperidine-D4	252.2 -> 224	. 5 442	2250374
Midazolam	326.1 -> 223	326.1 -> 223 8/13/2018 12:26 PM			-	326.1 -> 249		1	Midazolam-D4	330.1 -> 295_	6.490	3319402
Normeperidine	234.1 -> 42.3	234.1 -> 42.3 8/13/2018 12:26 PM	5.162	69757	6.16	234.1 -> 160	6432	3193[	Normeperidine-D4	238.2 -> 164	5.445	2648830
Nortriptyline	264.2 -> 91.2	264.2 -> 91.2 8/13/2018 12:26 PM				264.2 -> 233			Nortriptyline-D3	267.2 -> 233	6.276	3308923
Phenazepam	349.0 -> 206	8/13/2018 12:26 PM			1	349.0 -> 183		1	Phenazepam-D4	353.0 -> 183.	6.385	65712
Phencyclidine	244.2 -> 86.2	8/13/2018 12:26 PM				244.2 -> 91.1		-	Phencydlidine-D5	249.2 -> 86.2	-	4131243
Phenytoin	253.1 -> 104	8/13/2018 12:26 PM			<u>L</u>	253.1 -> 182		1	Phenytoin-D10	263.2 -> 192	5.869	76711
Pseudoephedrine	166.1 -> 148	8/13/2018 12:26 PM	_		<u> </u>	<b>166.1</b> -> 133		-	Pseudoephedrine-D3	169.1 -> 151	4.401	3586060
Sufentanil	387.2 -> 238	8/13/2018 12:26 PM				387.2 -> 111		1	Sufentanil-D5	392.2 -> 238	6.222	5405283
Tapentadol	222.2 -> 107	222.2 -> 107 8/13/2018 12:26 PM				222.2 -> 121			Tapentadol-D3	225.2 -> 107	5.265	4178827
Zaleplon	306.1 -> 236	306.1 -> 236 8/13/2018 12:26 PM			L	306.1 -> 264			Zalepion-D4	310.2 -> 240	6.127	1504342
Zonicione	1000 1000	NA 20.01 0101010 110 110 1000		-	1							

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