Worklist: 2666 AM 7 central file available upon request. p

M2018-36501123797AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37791122633AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37801122638AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37901122674AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37931122680AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37941122684AM 25 Blood Multi-Drug Screen by LC-QQQ	LAB_CASE M2018-3648	<u>ITEM</u> 1	<u>TASK ID</u> 122064	DESCRIPTION AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-37801122638AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37901122674AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37931122680AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37941122684AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-3650	1	123797	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-37901122674AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37931122680AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37941122684AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-3779	1	122633	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-37931122680AM 25 Blood Multi-Drug Screen by LC-QQQM2018-37941122684AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-3780	1	122638	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3794 1 122684 AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-3790	1	122674	AM 25 Blood Multi-Drug Screen by LC-QQQ
	M2018-3793	1	122680	AM 25 Blood Multi-Drug Screen by LC-QQQ
	M2018-3794	1	122684	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-3951 1 123501 AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-3951	1	123501	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-4043 2 124437 AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-4043	2	124437	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-4069 1 123947 AM 25 Blood Multi-Drug Screen by LC-QQQ	M2018-4069	1	1239 4 7	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2033 1 121995 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2033	1	121995	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2038 1 122035 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2038	1	122035	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2115 1 122803 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2115	1	122803	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2287 2 124080 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2287	2	124080	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2325 1 124290 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2325	1	124290	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2328 1 124397 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2328	1	124397	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2330 1 124434 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2330	1	124434	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2332 1 124443 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2332	1	124443	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2333 1 124447 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2333	1	124447	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2335 1 124491 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2335	1	124491	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2337 1 124496 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2337	1	124496	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2338 1 124499 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2338	1	124499	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2339 1 124579 AM 25 Blood Multi-Drug Screen by LC-QQQ	P2018-2339	1	124579	AM 25 Blood Multi-Drug Screen by LC-QQQ

8/27/2018

Worklist: 2666

LAB CASE	ITEM	<u>TASK ID</u>	DESCRIPTION
P2018-2385	1	124723	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-2386	1	124726	AM 25 Blood Multi-Drug Screen by LC-QQQ



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

Extraction Date: <u>08/29/18</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:

- ☑ 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:

- \boxtimes 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.
- ⊠ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- ☑ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
 (Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- \boxtimes 8. Wait 5 minutes.
- ⊠ 9. Add 900uL ethyl acetate.
- \boxtimes 10. Wait 5 minutes.
- ☑ 11. 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>082918 MDS SP</u> Worklist path: <u>082918 P1, 082918 P2</u>
- 2. Make necessary changes to integration limits
- ☑ 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
- \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: Click here to enter text.

Case samples M2018-3556-2 and P2018-2276 from worklist 2653 were re-extracted and ran with worklist 2666. Sarah Pickle acted as the primary analyst. I witnessed and approved of all techniques and methods performed.



Idaho State Police Forensic Services

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

Analyst: Sarah Pickle Extraction Date: 08/29/18 Worklist Number: 2666

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	082818	02/28/19	08/28/18		
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)	082118 081318 F		08/21/18 08/13/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	081318 082118 P		08/13/18 08/21/18		
Needle Rinse75% LCMS MeOH in LCMS Water	082918		08/29/18		

Methanol External Control Solution (Lot: 042618) 100 ul of Img/mL stock was added to each drug to 9600 ul of LC MeOH.

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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
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		042618
Prepared:	04/26/18	
Prepared by:	Tamara Salaza	r
Expires:	04/26/19	

0.5M Ammonium Hydroxide (Lot: 082818)

Component	Source	Source Lot Number
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	<u> </u>	-
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	02/28/19	

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 682118) 081318

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	181370
Prepared:	- 08/21/18 08/13/1	8 🍃
Prepared By:	Tamara Salazar	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 081318) 082118

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS	Fisher	177145
Grade)		
Prepared:	08/13/18 08/21/1	8 7
Prepared By:	Sarah Pickle	

Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 082918)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/29/18	
Prepared By:	Sarah Pickle	

11111	Compound Method	thod	p1 cal 1a	Number of Links			A THE REAL PROPERTY OF THE PRO	the second						
W. C. LEW	Name	Transition	Acq. Date-Time	RT	Resp.	S/N	T IM	Transition	Area	S/N MI	II Name	Transition	RT	Resp.
6-MAM	IAM	328.2 -> 165	8/29/2018 4:11 PM	4.752	13198	Infinity	V 328	328.2 -> 211	11058	17.75	6-MAM-D6	334.2 -> 165	4 712	533602
7-ar	7-aminoclonazepam	286.1 -> 121		5.348	276668	8207.47	L 286		100557	260.57	7-Aminoclonazenam-	290.1 -> 121	5 326	1194744
a-h	a-hydroxyalprazolam	325.1 -> 297	8/29/2018 4:11 PM	6.260	101769	496.56	L 325.1	^	22065	1213.73	a-hvdroxvalprazolam-	330.1 -> 302	6.238	521556
alpt	alpha-PVP	232.2 -> 91.0	8/29/2018 4:11 PM	5.336	895349	90358.80	Γ 232	232.2 -> 77.1	562008	92486.28	alpha-PVP-d8	240.2 -> 91.1	5.314	7370126
Alp	Alprazolam	309.1 -> 281		6.344	1327644	148439.37	F 305	309.1 -> 205	478442	99143.38	Alprazolam-D5	314.1 -> 286	6.343	4633235
Am	Amphetamine	136.1 -> 91.1	-		1681945	18,20	L 136.1	3.1 -> 119	401760	29.63	Amphetamine-D11	147.2 -> 130	4.609	796021
Ber	Benzoylecgonine	290.1 -> 168		-	261260	919.78	Г 290	290.1 -> 105	101979	246.50	Benzoylecgonine-D8	298.2 -> 171	5.082	43289
Bup	Bupropion	240.1 -> 184		5.519	635447	37798.82	Г 240.1	4	915784	1845.69	Bupropion-D9	249.2 -> 185	5.518	1014406
Car	Carisoprodol	261.2 -> 176		5.966	6505	1820.47	L 26-	261.2 -> 55.3	493758	Infinity	Carisoprodol-D7	268.2 -> 183	5.944	568320
Cita	Citalopram	325.2 -> 109	_	5.893	2021319	Infinity	T 325.2	5.2 -> 262	385337	38974.85	Citalopram-D6	331.2 -> 109	5.892	3487360
S	Clonazepam	316.1 -> 269		-		35563.71	F 316	316.1 -> 213	19451	52.05	Clonazepam-D4	320.1 -> 217	6.199	186933
ပိ	Cocaine	304.2 -> 182			1	39.65	L 304	304.2 -> 105	242158	1702.19	Cocaine-D3	307.2 -> 185	5.365	4745902
ပိ	Codeine	300.2 -> 215		4.595		9.56	300	300.2 -> 165	100856	22888.94	Codeine-D6	306.2 -> 218	4.572	469434
Cyc	Cyclobenzaprine	276.2 -> 214	-	6.167	768322	Infinity I	L 276	276.2 -> 231	332885	21.99	Cyclobenzaprine-D3	279.2 -> 215	6.166	4567756
Dey	Dextromethorphan	272.2 -> 171		5.882	1066391	46.48	T 272	272.2 -> 147	987998	77492.16	Dextromethorphan-D3	275.2 -> 171	5.882	2638485
De	Dextrorphan	258.2 -> 157		5.211	1048328	237.27	L 258	258.2 -> 133	677130	75232.60	Dextrorphan-D3	261.2 -> 157	5.210	3488442
Dia.	Diazepam	285.1 -> 193		6.612	507934	82319.90	L 285.1	5.1 -> 153	859416	1775.98	Diazepam-D5	290.1 -> 198	6.591	2398629
Dih	Dihydrocodeine	302.2 -> 198	8/29/2018 4:11 PM	4.533	244700	11.56	F 302	302.2 -> 128	308652	39.68	Dihydrocodeine-D6	308.2 -> 202	4.531	16-8301
Dip	Diphenhydramine	256.2 -> 167	_	5.825	1159566	Infinity	F 256	256.2 -> 152	696061	95376.65	Diphenhydramine-D3	259.2 -> 167	5.824	12-375
Ô	Doxylamine	271.2 -> 182		-	2457177	2332.85	Г 271	271.2 -> 167	21932	44.65	Doxylamine-D5	276.2 -> 187	5.411	147446
EDDP	DP	279.2 -> 235			3080452	359843.06	L 279	279.2 -> 250	16069	142686	EDDP-D3	282.2 -> 235	5.841	1430329
Fen	Fentanyl	337.2 -> 105	8/29/2018 4:11 PM	5.871	99588	9.76	[337	337.2 -> 188	39319	1214.19	Fentanyl-D5	342.3 -> 105	5.871	112050
Fluc	Fluoxetine	310.1 -> 44.3		6.119	4016847	666421.61 [T 310.1	1 -> 148	48986	4565.14	Fluoxetine-D6	316.2 -> 44.3	6.098	168191.
Hyo	Hydrocodone	300.2 -> 198		4.818	326035	Infinity	1 300	300.2 -> 128	188689	Infinity	Hydrocodone-D6	306.2 -> 202	4.816	2145267
Hyo	Hydromorphone	286.2 -> 184		4.256	233708	Infinity	L 286	286.2 -> 157	255214	Infinity	Hydromorphone-D6	292.2 -> 185	4.235	1128056
Ket	Ketamine	238.1 -> 125	_	5.213	1587586	Infinity	238	238.1 -> 220	314032	16.80	Ketamine-D4	242.1 -> 129	5.192	6872093
Me	Meprobamate	219.1 -> 158	·	5.418	148599	49925.94	7 215	219.1 -> 97.1	39809	5301.93	Meprobamate-D7	226.2 -> 165	5.418	59380
Met	Methadone	310.2 -> 265		6.139	2339860	75.31	310	310.2 -> 105	17980	192096	Methadone-D9	319.3 -> 268	6.138	7959549
Met	Methamphetamine	150.1 -> 91.1		4.790	589492		150	150.1 -> 119	122127	Infinity	Methamphetamine-D	161.2 -> 97.1	4.769	2921599
Met	Metoprolol	268.2 -> 116.		5.269	269372	36004.65	L 268	268.2 -> 56.3	361712	1528.16	Carisoprodol-D7	268.2 -> 183.	5.944	568320
Mir	Mirtazapine	266.2 -> 195		5.639	1893313	186834.43	L 266	266.2 -> 72.3	10835	23.84	Carisoprodol-D7	268.2 -> 183	5.944	568320
Mit	Mitragynine	399.2 -> 174		5.950	694090			399.2 -> 238	87266	4 97	Quetiapine-D8	392.2 -> 226	6.113	25-9177
Mor	Morphine	286.2 -> 201		4.034	78257		V 286	286.2 -> 165	69969	12.11	Morphine-D6	292.2 -> 152	3.993	154433
Nor	Norbuprenorphine	414.3 -> 101		5.747	31890	2395.33	414	414.3 -> 57.3	41610	5670.09	Norbuprenorphine-D3	417.3 -> 101	5.685	84867
Nor	Nordiazepam	271.1 -> 140		6.453	297190	66799.30	271	271.1 -> 208	90112	17050.73	Nordiazepam-D5	276.1 -> 140	6.432	801534
Nor	Norfentanyl	233.2 -> 84.2		5.112	2323105	596517.02	233	233.2 -> 55.3	690093	1256.95	Norfentanyl-D5	238.2 -> 84.2	5.091	100380
Nor	Norhydrocodone	286.2 -> 199	_	4.780	52554	16286.63	286.2	5.2 -> 171_	25084	74.20	Norhydrocodone-D3	4	4.760	725272
Nor	Noroxycodone	302.1 -> 284	-	4.715	306736	5.73	302.1	2.1 -> 186	98521	Infinity	Noroxycodone-D3	-	4.673	1576308
0	O-desmethyl-tramadol	250.2 -> 58.3		4.684	3391536	111.46	250	250.2 -> 42.3	103765	128.21	O-desmethyl-tramado	256.2 ->	4.663	8165282
OXO	Oxazepam	287.1 -> 240		6.245	77149	8310.22	287	287.1 -> 268	87073	3 83	Oxazepam-D5	292.1 -> 246	6.245	560780
Ň	Oxycodone	316.2 -> 298		4.733	987409	41.50	316	4	192303	59.19	Oxycodone-D6	322.2 -> 304	4.692	2786437
(XO	Oxymorphone	302.1 -> 284		4.050	307909	Infinity	302.1	4	116529	Infinity	Oxymorphone-D3	305.2 -> 287	4.048	2254561
Phe	Phentermine	150.1 -> 65.2	8/29/2018 4:11 PM	4.891	161827	Infinity	L 150.1	0.1 -> 133	14775	10284.47	Phentermine-D5	155.2 -> 96.2	4.911	32-1360
Pro	Promethazine	285.1 -> 86.2		6.165	2805083	120060.45	L 285.1	4	537331	673.19	Promethazine-D3	288.2 -> 89.2	6.164	10-382
Que	Quetiapine	384.2 -> 253		6.134	2228282	286216.61	387	384.2 -> 221	10406	186.02	Quetiapine-D8	392.2 -> 226	6.113	25-9177
Ser	Sertraline	306.1 -> 158	8/29/2018 4:11 PM	6.387	1623072	Infinity	T 306.1	4	677150	Infinity	Sertraline-D3	309.1 -> 275	6.386	60-5102
Ten	Temazepam	301.1 -> 255		-	1073601	202562.44	301	301.1 -> 283	373824	Infinity	Temazepam-D5	306.1 -> 260	6.407	6360463
I Trar	Tramadol	764 2 -> 58 3	AND 11-1 0100/00/0	2000										

4	2	-	T.	5
ISTD Results	RT Resp.	7396264	6790266	190431
ISTD	RT	6.359	5.554	5.895
PA meruman and a	Transition	378.2 -> 182 6.359	284.2 -> 64.3	314.2 -> 235
International STP. Method	MI AAAAA NAMBA AAAAA	92329.61	Infinity Venlafaxine-D6	1215.52 [] Zolpidem-D6
lts.e	W	51 1		52
ier.1.Resu	S/N	92329.(lnfin	
R & Qualifi	Area	32895	292529	705296
Qualifier 1 M. R Qualifier 1 Results	MI Transition	34.54 7 372.2 -> 148	44.75 7 278.2 -> 260	211981.50 7 308.2 -> 263
Surd.	X		L	Ľ
Results	S/N	34.5	44.75	211981.5(
p1 cal 1a F	Resp.	2606276	3442040	2963722
10000	RT	6.440	5.576	5.897
	in autophilionan - Ace. Date-Fime	372.2 -> 176 8/29/2018 4:11 PM 6.440 2606276	278.2 -> 58.3 8/29/2018 4:11 PM 5.576 3442040	308.2 -> 235 8/29/2018 4:11 PM 5.897 2963722
199 4 minutes extension	Transition	372.2 -> 176	278.2 -> 58.3	308.2 -> 235
THE RECEIPTION OF THE WAY DO NOT THE PROPERTY OF THE PROPERTY	Advertación Statistica Mantine a contractor a contractor a statistada	Trazodone	Venlafaxine	Zolpidem

Compound Method	athod	p1 external control	p1	external co	p1 external control Results	Qualifi	Qualifier 1 M	Qualifier	Qualifier 1 Results		ISTD Method	q	ISTD	Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI Tran	Transition	Area	S/N	Ī	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165_	8/2				T 328.2 -	-> 211			L	6-MAM-D6	334.2 -> 165	4712	473425
7-aminoclonazepam	286.1 -> 121	8/29/2018 4:50 PM				L 286 1	-> 222			L	7-Aminoclonazepam-D4		5 346	847849
a-hydroxyalprazolam	325.1 -> 297	8/29/2018 4:50 PM				T 325.1 -	-> 215				a-hydroxyalprazolam-D5	1	6.258	405381
alpha-PVP	232,2 -> 91.0	8/29/2018 4:50 PM				7 232.2 -	- 77.4			L	alpha-PVP-d8	240.2 -> 91.1	5.314	6123094
Alprazolam	309.1 -> 281	8/29/2018 4:50 PM				F 309.1 -	-> 205				Alprazolam-D5	314.1 -> 286	6.343	3663291
Amphetamine	136.1 -> 91.1	_				F 136.1 -	-> 119				Amphetamine-D11	147.2 -> 130	4.609	791994
Benzoylecgonine	290.1 -> 168	8/29/2018 4:50 PM				L 290.1 -	-> 105				Benzoylecgonine-D8	298.2 -> 171	5.102	23200
Bupropion	240.1 -> 184					L 240.1 -	-> 131				Bupropion-D9	249.2 -> 185	5.518	895228
Carisoprodol	261.2 -> 176					L 2612 -	-> 55.3			L	Carisoprodol-D7	268.2 -> 183	5.944	443348
Citalopram	325.2 -> 109					7 325.2 -	-> 262			L	Citalopram-D6	331.2 -> 109	5.892	2925449
Clonazepam	316.1 -> 269	8/29/2018 4:50 PM				F 316.1 -	-> 213				Clonazepam-D4	320.1 -> 217	6.199	145810
Cocaine	304.2 -> 182	. 8/29/2018 4:50 PM				T 304.2 -	-> 105			L	Cocaine-D3	307.2 -> 185	5.365	3747942
Codeine	300.2 -> 215		4.717	3150	193.33	F 300.2 ->	-> 165				Codeine-D6	306.2 -> 218	4.592	363386
Cyclobenzaprine	276.2 -> 214	8/29/2018 4:50 PM				Z76.2 ->	-> 231			L	Cyclobenzaprine-D3	279.2 -> 215	6.166	3820399
Dextromethorphan	272.2 -> 171	1				7 2.2 -	-> 147				Dextromethorphan-D3	275.2 -> 171	5.882	2035241
Dextrorphan	258.2 -> 157	-				Z58.2	258.2 -> 133	-			Dextrorphan-D3	261.2 -> 157	5.210	2655201
Diazepam	285.1 -> 193		6.612	4911329	622.55	285.1	285.1 -> 153	73682	314858		Diazepam-D5	290.1 -> 198	6.591	1971200
Dihydrocodeine	302.2 -> 198					302.2 ->	-> 128				Dihydrocodeine-D6	308.2 -> 202	4.531	1149305
Diphenhydramine	256.2 -> 167	12				256.2 -	-> 152				Diphenhydramine-D3	259.2 -> 167	5.824	8950319
Doxylamine	271.2 -> 182.					271.2 -	-> 167				Doxylamine-D5	4	5.411	115759
EDDP	279.2 -> 235					279.2 -	-> 250				EDDP-D3	282.2 -> 235	5.841	932259
Fentanyl	337.2 -> 105					337.2 -	-> 188				Fentanyl-D5	342.3 -> 105	5.871	8849436
Fluoxetine	310.1 -> 44.3					T 310.1 -	-> 148				Fluoxetine-D6	316.2 -> 44.3	6.118	136239
Hydrocodone	300.2 -> 198	-				300.2	-> 128				Hydrocodone-D6	306.2 -> 202	4.816	1589700
Hydromorphone	286.2 -> 184					F 286.2 -	-> 157				Hydromorphone-D6	292.2 -> 185	4.235	883454
Ketamine	238.1 -> 125.	-				238.1 -	-> 220				Ketamine-D4	242.1 -> 129	5.192	5337341
Meprobamate	219.1 -> 158	-				219.1 ->	> 97.1				Meprobamate-D7	226.2 -> 165	5.418	41154
Methadone	310.2 -> 265	-				T 310.2	310.2 -> 105				Methadone-D9	319.3 -> 268	6.138	5903214
Methamphetamine	150.1 -> 91.1					150.1 -> 119	- 119				Methamphetamine-D11	161.2 -> 97.1	4.769	2494147
Metoprolol	268.2 -> 116_	_	5.269	2964529	391785.93	268.2	268.2 -> 56.3	31870	470247	L	Carisoprodol-D7	268.2 -> 183	5.944	443348
Mirtazapine	266.2 -> 195	8/29/2018 4:50 PM				7 266.2 -> 72.3	> 72.3			L	Carisoprodol-D7	268.2 -> 183	5.944	443348
Mitragynine	399.2 -> 174	_	6 275	396	109.48	7 399.2 -	-> 238			L	Quetiapine-D8	392.2 -> 226	6.113	1975673
Morphine	286.2 -> 201					F 286.2	286.2 -> 165				Morphine-D6	292.2 -> 152	4.053	129328
Norbuprenorphine	414.3 -> 101					T 414.3 ->				2	Norbuprenorphine-D3	417.3 -> 101	5.665	83644
Nordiazepam	271.1 -> 140					L 271.1 ->	-> 208			Ĺ	Nordiazepam-D5	276.1 -> 140	6.432	685032
Norfentanyl	233.2 -> 84.2	_				7 233.2 -> 55.3	> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.091	793.0571
Norhydrocodone	286.2 -> 199	-					-> 171		1		Norhydrocodone-D3	289.2 -> 202.	4.760	544143
Noroxycodone	302.1 -> 284					7 302.1 -	-> 186			Ľ	Noroxycodone-D3	305.2 -> 287	4.693	1389744
O-desmethyl-tramadol	250.2 -> 58.3	8/29/2018 4:50 PM				7 250.2 ->	> 42.3				O-desmethyl-tramadol	256.2 -> 64.3	4.663	6285159
Oxazepam	287.1 -> 240	-				7 287.1 ->	-> 268			L	Oxazepam-D5	292.1 -> 246	6.265	467603
Oxycodone	316.2 -> 298	. 8/29/2018 4:50 PM	4.713	6046467	78.51	316.2 ->	-> 241	12889	36.23	L	Oxycodone-D6	322.2 -> 304	4.692	2167531
Oxymorphone	302.1 -> 284	8/29/2018 4:50 PM				T 302.1 -	-> 227			L	Oxymorphone-D3	305.2 -> 287	4.048	1795512
Phentermine	150.1 -> 65.2	8/29/2018 4:50 PM				T 150.1 -	-> 133			L	Phentermine-D5	155.2 -> 96.2	4.911	2667475
Promethazine	285.1 -> 86.2	8/29/2018 4:50 PM				7 285.1 ->	> 71.3				Promethazine-D3	288.2 -> 89.2	6.164	8303044
Quetiapine	384.2 -> 253					□ 384.2	-> 221_			L	Quetiapine-D8	392.2 -> 226	6.113	1975673
Sertraline	306.1 -> 158					7 306.1 ->	-> 275				Sertraline-D3	4	-	4723198
Temazepam	301.1 -> 255					301.1 -	-> 283				Temazepam-D5	306.1 -> 260		497.9237
Tramadol	264.2 -> 58.3	8/29/2018 4:50 PM				[264.2 -> 43.3	> 43.3			Ē	Tramadol-13C-D3	268.2 -> 58.3	5 208	144368

Compound Method	lethod	p1 external control	. Building	external cor	ntrol Results	5 22	Results Qualifier 1 M	Qualifier	1 Results		ISTD Method	P	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Ī	Transition	Area	S/N	W	Name	Transition	RT	Resp.
Trazodone	372.2 -> 176	372.2 -> 176 8/29/2018 4:50 PM				L	372.2 -> 148			L	Trazodone-D6	378.2 -> 182 6.379	6.379	6483247
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/29/2018 4:50 PM				L	278.2 -> 260			L	Venlafaxine-D6	284.2 -> 64.3 5.575	5.575	1000
Zolpidem	308.2 -> 235	308.2 -> 235 8/29/2018 4:50 PM				L	308.2 -> 263			L	Zolpidem-D6	314.2 -> 235 5.895	5.895	

Compound Method	thod	p1 negative		p1 negative	e Results	3	Qualifier 1 M	Qualifier 1 Resul	1 Resi	-1	ISTD Method	P	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RТ	Resp.
6-MAM	328.2 -> 165	8/29/2018 4:31 PM				T 3	328.2 -> 211			-M-9	6-MAM-D6	334.2 -> 165	4.732	405973
7-aminoclonazepam	286,1 -> 121	-				Г 28	286.1 -> 222				7-Aminoclonazepam-D4	290.1 -> 121.	5.346	893438
a-hydroxyalprazolam	325.1 -> 297	8/29/2018 4:31 PM				ы К	325.1 -> 215			a-hyi	a-hydroxyalprazolam-D5	330.1 -> 302	6.238	370148
alpha-PVP	232.2 -> 91.0	_				2	232.2 -> 77.1			alphi	alpha-PVP-d8	240.2 -> 91.1	5.314	5449854
Alprazolam	309.1 -> 281	-				พี L	309.1 -> 205			Alpra	Alprazolam-D5	314.1 -> 286	6.343	3500988
Amphetamine	136.1 -> 91.1	-	4.710	402306	16.17	÷ L	136.1 -> 119			Amp	Amphetamine-D11	147.2 -> 130	4.589	606249
Benzoylecgonine	290.1 -> 168	8/29/2018 4:31 PM				Γ 26	290.1 -> 105			Benz	Benzoylecgonine-D8	298.2 -> 171	5.102	19305
Bupropion	240.1 -> 184.	. 8/29/2018 4:31 PM				F 24	240.1 -> 131			Bupr	Bupropion-D9	249.2 -> 185	5.498	735235
Carisoprodol	261.2 -> 176	8/29/2018 4:31 PM				Г 26	261.2 -> 55.3			Caris	Carisoprodol-D7	268.2 -> 183	5.924	375817
Citalopram	325.2 -> 109.+	8/29/2018 4:31 PM				7 32	325.2 -> 262			Cital	Citalopram-D6	4	-	2598415
Clonazepam	316.1 -> 269	-				μ. Γ	316.1 -> 213			Clon	Cionazepam-D4	320.1 -> 217	6.199	138921
Cocaine	304.2 -> 182	8/29/2018 4:31 PM				130	304.2 -> 105			Coce	Cocaine-D3	307.2 -> 185	5.343	3483171
Codeine	300.2 -> 215	8/29/2018 4:31 PM				F 30	300.2 -> 165			Code	Codeine-D6	306.2 -> 218	4.592	387171
Cyclobenzaprine	276.2 -> 214	8/29/2018 4:31 PM				T 27	276.2 -> 231			Cycle	Cyclobenzaprine-D3	279.2 -> 215	6.166	3266619
Dextromethorphan	272.2 -> 171	. 8/29/2018 4:31 PM				[27	272.2 -> 147			Dext	Dextromethorphan-D3	275.2 -> 171	5.882	1888571
Dextrorphan	258.2 -> 157	8/29/2018 4:31 PM				L 25	258.2 -> 133			Dext	Dextrorphan-D3	261.2 -> 157	5.210	2318935
Diazepam	285.1 -> 193	. 8/29/2018 4:31 PM				L 25	285.1 -> 153			Diaz	Diazepam-D5	290.1 -> 198	6.591	1823102
Dihydrocodeine	302.2 -> 198	8/29/2018 4:31 PM				30	302.2 -> 128		-	Dihy	Dihvdrocodeine-D6	308.2 -> 202	4.531	1214068
Diphenhydramine	256.2 -> 167	8/29/2018 4:31 PM				1 25	256.2 -> 152			Diph	Diphenhydramine-D3	259.2 -> 167_	5.824	8317013
Doxylamine	271.2 -> 182	8/29/2018 4:31 PM				T 27	271.2 -> 167			Doxy	Doxylamine-D5	276.2 -> 187	5.411	10695046
EDDP	279.2 -> 235	. 8/29/2018 4:31 PM	-			T 2	279.2 -> 250			EDD	EDDP-D3	282.2 -> 235	5.841	775480
Fentanyl	337.2 -> 105	8/29/2018 4:31 PM				T 33	337.2 -> 188			Fent	Fentanyl-D5	342.3 -> 105	5.871	7886911
Fluoxetine	310.1 -> 44.3	8/29/2018 4:31 PM				5 L	310.1 -> 148.			Fluo;	Fluoxetine-D6	316.2 -> 44.3	6.098	12140180
Hydrocodone	300.2 -> 198	. 8/29/2018 4:31 PM) Е Ц	300.2 -> 128			- Hydr	Hydrocodone-D6	306.2 -> 202	4.816	1610024
Hydromorphone	286.2 -> 184	. 8/29/2018 4:31 PM				L 28	286.2 -> 157			- Hydr	Hydromorphone-D6	292.2 -> 185	4.235	775326
Ketamine	238.1 -> 125					23	238.1 -> 220			Keta	Ketamine-D4	242.1 -> 129	5.192	4879661
Meprobamate	219.1 -> 158	. 8/29/2018 4:31 PM				2 <u>1</u>	219 1 -> 97 1			Mept	Meprobamate-D7	226.2 -> 165	5.398	48563
Methadone	310.2 -> 265	8/29/2018 4:31 PM				ы Б	310.2 -> 105			- Meth	Methadone-D9	319.3 -> 268	6.118	5595333
Methamphetamine	150.1 -> 91.1					₽ L	150.1 -> 119			Meth	Methamphetamine-D11	161.2 -> 97.1	4.769	2043412
Metoprolol	268.2 -> 116	8/29/2018 4:31 PM				T 26	268.2 -> 56.3			Caris	Carisoprodol-D7	268.2 -> 183	5.924	375817
Mirtazapine	266.2 -> 195	_				L 26	266.2 -> 72.3		_	Caris	Carisoprodol-D7	268.2 -> 183	5.924	375817
Mitragynine	399.2 -> 174					ж L	399.2 -> 238			Quet	Quetiapine-D8	392.2 -> 226	6.113	1644709
Morphine	286.2 -> 201	_				T 28	286.2 -> 165		-	Morp	Morphine-D6	292.2 -> 152	4.013	117651
Norbuprenorphine	414.3 -> 101	8/29/2018 4:31 PM				Г 14	414.3 -> 57.3			Norb	Norbuprenorphine-D3	417.3 -> 101	5.685	76497
Nordiazepam	271.1 -> 140	8/29/2018 4:31 PM				L 27	271.1 -> 208			Nord	Nordiazepam-D5	276.1 -> 140	6.432	646189
Norfentanyl	233.2 -> 84.2					T 26	233.2 -> 55.3			Norfe	Norfentanyl-D5	238.2 -> 84.2	5.071	7421221
Norhydrocodone	286.2 -> 199					Γ 28	286.2 -> 171			Norh	Norhydrocodone-D3	289.2 -> 202	4.760	474744
Noroxycodone	302.1 -> 284	8/29/2018 4:31 PM				130	302.1 -> 186			Noro	Noroxycodone-D3	305.2 -> 287	4.693	1241267
O-desmethyl-tramadol	250.2 -> 58.3	8/29/2018 4:31 PM				T 25	250.2 -> 42.3			O-de	O-desmethyl-tramadol	256.2 -> 64.3	4.663	5991246
Oxazepam	287.1 -> 240	8/29/2018 4:31 PM				T 28	287.1 -> 268			OXaz	Oxazepam-D5	292.1 -> 246	6.245	467546
Oxycodone	316.2 -> 298					E L	316.2 -> 241			Oxyo	Oxycodone-D6	322.2 -> 304	4.692	1930846
Oxymorphone	302.1 -> 284	8/29/2018 4:31 PM				1 30	302.1 -> 227_			OXyr	Oxymorphone-D3	305.2 -> 287	4.068	1720603
Phentermine	150.1 -> 65.2	8/29/2018 4:31 PM				1	150.1 -> 133			Pher	Phentermine-D5	155.2 -> 96.2	4.891	2486635
Promethazine	285.1 -> 86.2	8/29/2018 4:31 PM	6.062	4449	1813:05	T 28	285.1 -> 71.3	359 1	Infini]	Pron	Promethazine-D3	288.2 -> 89.2	6.164	7418121
Quetiapine	384.2 -> 253	8/29/2018 4:31 PM				ж L	384.2 -> 221			Quet	Quetiapine-D8	392.2 -> 226	6.113	1644709
Sertraline	306.1 -> 158					ງຄ 	306.1 -> 275			Sertr	Sertraline-D3	309.1 -> 275	6.386	4271622
Temazepam	301.1 -> 255	8/29/2018 4:31 PM				Э С	301.1 -> 283			Tem	Temazepam-D5	306.1 -> 260	6 407	5091124
									1		Construction Construction		12112	

Compound Method	ut to a change	p1 negative.	DATE-STREET	p1 negative	e Results	1 Sunst	Qualifier 1 M., Qualifier 1 Resul.	Qualifie	r 1 Re	-Ins	ISTD Method	pol	ISTD	ISTD Results
Name	In Transition	Acq. Date-Time	RT	Resp.	S/N	TWI	MI * Transition * Area S/N MI	Area	S/N	W	Name		-BT-	Resp.
Trazodone	372.2 -> 176	372.2 -> 176 8/29/2018 4:31 PM				L	372.2 -> 148			L	Trazodone-D6	378.2 -> 182 6.359	6.359	5798231
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/29/2018 4:31 PM				L	278.2 -> 260			L	Venlafaxine-D6	284.2 -> 64.3 5.554	5.554	4907735
Zolpidem	308.2 -> 235	308.2 -> 235 8/29/2018 4:31 PM				L	308.2 -> 263			L	Zolpidem-D6	314.2 -> 235 5.895 14	5.895	14124869

	pou	p2 cal 1b	a.	p2 cal 1b Hesults	esults	Qualifi	Qualifier 1 M 0	Qualifier 1 Re	e.	ISTD Method	dimension of the second second	ISTC	ISTD Results
Name	Transition	Acq Date-Time	R	Resp.	S/N	MI Trar	Transition /	Area S/N	MI	Name	Transition	R	Resp.
7-aminoflunitrazepam	284.1 -> 135	8/29/2018 4:21 PM				Γ 284.1	284.1 -> 93.2		7-a	7-aminoflunitrazepam-D7	291.2 -> 138	5.521	29003
alpha-hydroxymidazolam	342.1 -> 324	342.1 -> 324 8/29/2018 4:21 PM				F 342.1	342.1 -> 203		L alp	alpha-hydroxymidazolam	. 346.1 -> 328	6.306	13155
Amitriptyline	278.2 -> 91.2	8/29/2018 4:21 PM				7 278.2	278.2 -> 105		L Am	Amitriptyline-D3	281.2 -> 91.2	6.253	13843
Acetyl Fentanyl	323.2 -> 105	8/29/2018 4:21 PM				7 323.2	-> 188		T Ace	Acetyl Fentanyl-D5	328.2 -> 105	5,699	49692
Acetyl Norfentanyl	219.1 -> 84.2	8/29/2018 4:21 PM				Г 219.1	-> 56.3		IT Ace	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.572	17256
Carbamazepine	237.1 -> 193	8/29/2018 4:21 PM				[237.1	-> 194		L Cal	Carbamazepine-13C6	243.1 -> 200	6.016	12147
Chlordiazepoxide	300.1 -> 227	8/29/2018 4:21 PM				T 300.1	-> 282		Ч Ч	Chlordiazepoxide-D5	305.1 -> 286	6.534	
Sufentanil	387.2 -> 238	8/29/2018 4:21 PM				1 387.2	387.2 -> 111_		L Suf	Sufentanil-D5	392.2 -> 238	-	41938
Desipramine	267.2 -> 72.3	8/29/2018 4:21 PM				Г 267.2	267.2 -> 44.3		L De	Desipramine-D3	270.2 -> 75.3	6.175	1447
Doxepin	280.2 -> 107	8/29/2018 4:21 PM				F 280.2	280.2 -> 77.2		L Do	Doxepin-D3	283.2 -> 107	5.969	12298
Estazolam	295.1 -> 267	295.1 -> 267 8/29/2018 4:21 PM				F 295.1	295.1 -> 205		F Est	Estazolam-D5	300.1 -> 272	6.209	7676
Flunitrazepam	314.1 -> 268	314.1 -> 268 8/29/2018 4:21 PM				314.1	314.1 -> 239		FIU	Flunitrazepam-D7	321.1 -> 245		
Flurazepam	388.2 -> 315	388.2 -> 315 8/29/2018 4:21 PM	5 818	7981	4.29	T 388.2 ->	-> 317		T Zop	Zopiclone-D4	393.1 -> 244	5.837	9656
Imipramine	281.2 -> 86.2	8/29/2018 4:21 PM				T 281.2	2812 -> 58.3			Imipramine-D3	284.2 -> 61.3	6.253	39563
Levamisole	205.1 -> 91.2	8/29/2018 4:21 PM				[7] 205.1	-> 178		I MD	MDMA-D6	200.2 -> 166	4.882	5842
Maprotiline	278.2 -> 91.2	8/29/2018 4:21 PM				Г 278.2	-> 117		L Me	Meperidine-D4	252.2 -> 224	5.402	10586
MDA	180.1 -> 163	8/29/2018 4:21 PM	4 782	15983	1 63	[180.1	-> 105 {	540 0 99	M	MDA-D5	185.1 -> 168	4.741	18945
MDEA	208.1 -> 163.	8/29/2018 4:21 PM	5.145	13526	1.39	[208.1	-> 105		L MD	MDEA-D6	214.2 -> 166	5.124	1018
MDMA	194.1 -> 163	8/29/2018 4:21 PM	4.984	5864	0.72	Г 194.1	194.1 -> 105		DM	MDMA-D6	200.2 -> 166	4.882	5842
Meperidine	248.2 -> 220	248.2 -> 220 8/29/2018 4:21 PM				Г 248.2	248.2 -> 174		I Me	Meperidine-D4	252.2 -> 224	5.402	10586
Methylphenidate	234.2 -> 84.2	234.2 -> 84.2 8/29/2018 4:21 PM				Γ 234.2	234.2 -> 56.3		L Me	Meperidine-D4	252.2 -> 224	5.402	10586
Midazolam	326.1 -> 223	326.1 -> 223 8/29/2018 4:21 PM				7 326.1 ->	-> 249		Mid Mid	Midazolam-D4	330.1 -> 295	6.449	14593
Normeperidine	234.1 -> 42.3	8/29/2018 4:21 PM				Γ 234.1	234.1 -> 160		I Noi	Normeperidine-D4	238.2 -> 164	5.385	24684
Nortriptyline	264.2 -> 91.2	8/29/2018 4:21 PM				F 264.2	-> 233		ION ION	Nortriptyline-D3	267.2 -> 233		
Phenazepam	349.0 -> 206	8/29/2018 4:21 PM				F 349.0	-> 183		Phe Phe	Phenazepam-D4	353.0 -> 183	6.143	67
Phencyclidine	244.2 -> 86.2	8/29/2018 4:21 PM				L 244.2 ->	-> 91.1		Phe	Phencydlidine-D5	249.2 -> 86.2	5.730	26591
Phenytoin	253.1 -> 104	253.1 -> 104 8/29/2018 4:21 PM				[253.1	253.1 -> 182		L Phe	Phenytoin-D10	263.2 -> 192		
Pseudoephedrine	166.1 -> 148	8/29/2018 4:21 PM				F 166.1	-> 133		I Pse	Pseudoephedrine-D3	169.1 -> 151		
Tapentadol	222.2 -> 107	222.2 -> 107 8/29/2018 4:21 PM				Γ 222.2	222.2 -> 121		F Tap	Tapentadol-D3	225.2 -> 107	5.203	14686
Zaleplon	306.1 -> 236	306.1 -> 236. 8/29/2018 4.21 PM				[] 306.1	306.1 -> 264		L Zal	Zaleplon-D4	310.2 -> 240	6.148	1141
Zoniclone	1000 - 1000	MU FO. A OFOCIOCIO MAC - FOOC				1 2001	200 1 1 210		r L	7	Too L		0100

Sample reconstituted and reinjected 8/30/18 due to low sample and internal standard responses.

MAS

Compound Method	thod	p2 cal 1b reinject	p2	p2 cal 1b reinject Results	ect Results	0	Qualifier 1 M	Qualifie	Qualifier 1 Results	ISTD Method	thod	IST	ISTD Results
Name	Transition	Acq. Date-Time	ħ	Resp.	S/N M	Ī	Transition	Area	S/N	MI Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	8/30/2018 8:56 A	5.541	270409	137141.67	2	284.1 -> 93.2	28813	Infinity 6	7 7-aminoflunitrazepam-D7	7 291.2 -> 138	5.521	1371907
Acetyl Fentanyl	323.2 -> 105	8/30/2018 8:56 A	5.720	105741	20276.71	0	323.2 -> 188	24218	26.12	Acetyl Fentanyl-D5	-	-	6883100
Acetyl Norfentanyl	219.1 -> 84.2	8/30/2018 8:56 A	4.634	69882	257.05	2	219.1 -> 56.3	25391	41.86	Acetyl Norfentanyl-D5	224.2 -> 84.2	-	4364857
alpha-hydroxymidaz	- 1	_	6.327	545400	1093.77	с Г	342.1 -> 203	3706	1158.63	alpha-hydroxymidazolam	n 346.1 -> 328	6.326	3817451
Amitriptyline	278.2 -> 91.2	8/30/2018 8:56 A	6.255	2067002	Infinity	- 2	278.2 -> 105	6552	Infinity [Amitriptyline-D3	-	-	4577251
Carbamazepine	237.1 -> 193	8/30/2018 8:56 A	5.977	385867	350.52	2	237.1 -> 194	2430	307.00	Carbamazepine-13C6	243.1 -> 200	5.976	143041
Chlordiazepoxide	300.1 -> 227	8/30/2018 8:56 A	6.474	152658	44174.05	3	300.1 -> 282	2526	11.74	Chlordiazepoxide-D5	305.1 -> 286	6.453	3482451
Desipramine	267.2 -> 72.3	8/30/2018 8:56 A	6.215	2837826	149.04	1	267.2 -> 44.3	1166	116.69	Desipramine-D3	270.2 -> 75.3	3 6.215	167856
Doxepin	280.2 -> 107	8/30/2018 8:56 A	6.010	610181	82117.79	1	280.2 -> 77.2	3374	77.20	Doxepin-D3	283.2 -> 107	6.009	2074392
Estazolam	295 1 -> 267	295 1 -> 267 8/30/2018 8:56 A	6.272	871803	184983.28	10	295.1 -> 205	4348	156317 [Estazolam-D5	300.1 -> 272.	6.251	5965379
Flunitrazepam	314.1 -> 268	314.1 -> 268 8/30/2018 8:56 A	6.329	882258	3504.61	3	314.1 -> 239	2510	63755.15	Flunitrazepam-D7	321.1 -> 245	6.309	353439
Flurazepam	388.2 -> 315	388.2 -> 315 8/30/2018 8:56 A	5.960	1409967	230113.39	e E	388.2 -> 317	2071	34440.07	Zopiclone-D4	393.1 -> 244	5.857	1324865
Imipramine	281.2 -> 86.2	8/30/2018 8:56 A	6.233	3110684	83.21	2	281.2 -> 58.3	1591	27.60	Impramine-D3	284.2 -> 61.3	8 6.232	110428
Levamisole	205.1 -> 91.2	8/30/2018 8:56 A_	4.901	278114	7.26	2	205.1 -> 178	3162	128.96	MDMA-D6	200.2 -> 166	4.984	238506
Maprotiline	278.2 -> 91.2	8/30/2018 8:56 A	5.847	1206723	Infinity	2	278.2 -> 117	9404	19.86	Meperidine-D4	252.2 -> 224	5.402	3600769
MDA	180.1 -> 163	8/30/2018 8:56 A	4.883	289042	8.35		180.1 -> 105	1309	41.70	MDA-D5	185.1 -> 168	4.862	1060826
MDEA	208.1 -> 163	8/30/2018 8:56 A	5.165	1161129	212058.34	2	208.1 -> 105	5519	136418[MDEA-D6	214.2 -> 166.	5.144	4880498
MDMA	194.1 -> 163	8/30/2018 8:56 A	5.025	679568	236558.58	Ē	194.1 -> 105.	3380	11.91	MDMA-D6	200.2 -> 166	4.984	238506
Meperidine	248.2 -> 220	8/30/2018 8:56 A	5.423	539777	17.40	- 2	248.2 -> 174	4278	6534.64	Meperidine-D4	252.2 -> 224	5.402	3600769
Methylphenidate	234.2 -> 84.2	8/30/2018 8:56 A	5.325	2986558	Infinity	2	234.2 -> 56.3	5963	44.92	Meperidine-D4	252.2 -> 224	5.402	3600769
Midazolam	326.1 -> 223	8/30/2018 8:56 A	6.470	292040	2023.17	8	326.1 -> 249	4354	126320	Midazolam-D4	330.1 -> 295	6.449	5321657
Normeperidine	234.1 -> 42.3	8/30/2018 8:56 A	5.427	645309	52.54 [2	234.1 -> 160	5110.	21.91	Normeperidine-D4	238.2 -> 164	5.405	3979648
Nortriptyline	264.2 -> 91.2	8/30/2018 8:56 A	6.155	4151312	Infinity	2	264.2 -> 233	3329	Infinity	Nortriptyline-D3	267.2 -> 233	6.236	4928462
Phenazepam	349.0 -> 206	8/30/2018 8:56 A	6.386	275314	73062.51	ю́ П	349.0 -> 183	1975	586.13	Phenazepam-D4	353.0 -> 183	6.365	97931
Phencyclidine	244.2 -> 86.2	8/30/2018 8:56 A	5.710	791593	194991.51	2.	244.2 -> 91.1	8794	472.32	Phencydlidine-D5	249.2 -> 86.2	2 5.710	5429318
Phenytoin	253.1 -> 104	253.1 -> 104 8/30/2018 8:56 A	5.871	26803	5703.09	2	253.1 -> 182	1893	Infinity 🔽	Phenytoin-D10	263.2 -> 192	5.850	111087
Pseudoephedrine	166.1 -> 148	166.1 -> 148 8/30/2018 8:56 A	4.402	132376	Infinity	Ē	166.1 -> 133	2890	763.96	Pseudoephedrine-D3	169.1 -> 151	4.401	5105484
Sufentanil	387.2 -> 238	387.2 -> 238 8/30/2018 8:56 A	6.183	153367	13865.63	e I	387.2 -> 111	97538	174.65	Sufentanil-D5	392.2 -> 238	6.161	8288408
Tapentadol	222.2 -> 107_		5.244	1230847	92.21	1	222.2 -> 121	6780	1065.39	Tapentadol-D3	225.2 -> 107	5.244	6245490
Zalepion	306.1 -> 236	8/30/2018 8:56 A	6.108	811526	105.97	ñ	306.1 -> 264	8482	2714.62	Zalepton-D4	310.2 -> 240.	6.087	2725057
Zonicione	100 × 1000	380 1 > 74/ 9/20/2010 0.56 A 6 070	E 070	105040	305 10 1	c }		10101	1 22 11	Zanialana DA	110 . 1000		1001001

Compound Method	po	p2 external control	pž	p2 external con	itrol Results		Qualifier 1 M	Qualifie	Qualifier 1 Results	Its	ISTD Method	pc	IST	STD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	W	Transition	Area	S/N	Ī	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	8/29/2018 5:00 PM					284.1 -> 93.2			L	7-aminoflunitrazepam-D7	291.2 -> 138.	. 5.521	3243016
alpha-hydroxymidazolam	342.1 -> 324	8/29/2018 5:00 PM					342.1 -> 203				alpha-hydroxymidazolam		6.306	4058252
Amitriptyline	278.2 -> 91.2	8/29/2018 5:00 PM					278.2 -> 105_				Amitriptyline-D3	281.2 -> 91.2	6.233	5104733
Acetyl Fentanyl	323.2 -> 105	8/29/2018 5:00 PM				L	323.2 -> 188			L	Acetyl Fentanyl-D5	328.2 -> 105	5.679	7256767
Acetyl Norfentanyl	219.1 -> 84.2	8/29/2018 5:00 PM					219.1 -> 56.3			L	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.612	4441484
Carbamazepine	237 1 -> 193	237.1 -> 193 8/29/2018 5:00 PM					237.1 -> 194			L	Carbamazepine-13C6	243.1 -> 200	5.976	15851303
Chlordiazepoxide	300.1 -> 227	300.1 -> 227 8/29/2018 5:00 PM					300 1 -> 282			L	Chlordiazepoxide-D5	305.1 -> 286.	6.453	4834465
Sufentanil	387.2 -> 238	387.2 -> 238 8/29/2018 5:00 PM					387.2 -> 111			L	Sufentanil-D5	392.2 -> 238.	-	8213059
Desipramine	267.2 -> 72.3	8/29/2018 5:00 PM					267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	6.195	18222423
Doxepin	280.2 -> 107	280.2 -> 107 8/29/2018 5:00 PM					280.2 -> 77.2				Doxepin-D3	283.2 -> 107	5.989	1898169
Estazolam	295.1 -> 267	8/29/2018 5:00 PM					295.1 -> 205			L	Estazolam-D5	300.1 -> 272	. 6.251	6043843
Flunitrazepam	314.1 -> 268	8/29/2018 5:00 PM					314.1 -> 239			L	Flunitrazepam-D7	321.1 -> 245	6.309	365263
Flurazepam	388.2 -> 315	8/29/2018 5:00 PM					388.2 -> 317			L	Zopiclone-D4	393.1 -> 244	5.817	1310450
Imipramine	281.2 -> 86.2	8/29/2018 5:00 PM					281.2 -> 58.3			L	Imipramine-D3	284.2 -> 61.3	6.211	11943830
Levamisole	205.1-> 91.2	8/29/2018 5:00 PM					205.1 -> 178				MDMA-D6	200.2 -> 166	4.962	254265
Maprotiline	278.2 -> 91.2	8/29/2018 5:00 PM					278.2 -> 117				Meperidine-D4	252.2 -> 224	5.382	3684203
MDA	180.1 -> 163	180.1 -> 163 8/29/2018 5:00 PM				Ē	180.1 -> 105				MDA-D5	185.1 -> 168	4.842	1165088
MDEA	208.1 -> 163	208.1 -> 163 8/29/2018 5:00 PM					208.1 -> 105.			L	MDEA-D6	214.2 -> 166	5.124	4982492
MDMA	194.1 -> 163	8/29/2018 5:00 PM					194.1 -> 105			L	MDMA-D6	200.2 -> 166	4.962	254265
Meperidine	248.2 -> 220	8/29/2018 5:00 PM	5.403	6639411	495.00	L	248.2 -> 174	5261	58.66	L	Meperidine-D4	252.2 -> 224	5.382	3684203
Methylphenidate	234.2 -> 84.2	8/29/2018 5:00 PM					234.2 -> 56.3			4111	Meperidine-D4	252.2 -> 224	5.382	3684203
Midazolam	326.1 -> 223	8/29/2018 5:00 PM					326.1 -> 249			L	Midazolam-D4	330.1 -> 295	6.449	5428823
Normeperidine	234.1 -> 42.3	8/29/2018 5:00 PM	5 142	102301	00.6	L	234.1 -> 160	12120	102.03	L	Normeperidine-D4	238.2 -> 164	5.405	4157913
Nortriptyline	264.2 -> 91.2	8/29/2018 5:00 PM					264.2 -> 233.				Nortriptyline-D3	267.2 -> 233		2410240
Phenazepam	349.0 -> 206	349.0 -> 206 8/29/2018 5:00 PM					349.0 -> 183_			L	Phenazepam-D4	353.0 -> 183	6.365	117517
Phencyclidine	244.2 -> 86.2	8/29/2018 5:00 PM					244.2 -> 91.1			L	Phencydlidine-D5	249.2 -> 86.2	5.689	6032920
Phenytoin	253.1 -> 104	253.1 -> 104 8/29/2018 5:00 PM					253.1 -> 182			L	Phenytoin-D10	263.2 -> 192	5.850	110246
Pseudoephedrine	166.1 -> 148	8/29/2018 5:00 PM				Ľ	166.1 -> 133			L	Pseudoephedrine-D3	169.1 -> 151	4.381	5379243
Tapentadol	222.2 -> 107	8/29/2018 5:00 PM					222.2 -> 121			L	Tapentadol-D3	225.2 -> 107	5.224	6191468
Zaleplon	306.1 -> 236	8/29/2018 5:00 PM					306.1 -> 264				Zaleplon-D4	310.2 -> 240	6.107	2773614
7oniolono	1000 1 000	100 1 1 010 010 110 1 100 1000					010 - 1000			-				

Compound Method	pou	p2 negative	02540056	p2 negative f	Results	Qualifier 1 M	-	Qualifier 1 Results	lts	ISTD Method	p	ISTL	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI Transition	Area	SIN	Ī	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	-> 135 8/29/2018 4:40 PM				7 284.1 -> 93.2			Γ 7-6	7-aminoflunitrazepam-D7	291.2 -> 138	. 5.521	3229375
alpha-hydroxymidazolam	342.1 -> 324	8/29/2018 4:40 PM				F 342.1 -> 203.			LT alp	alpha-hydroxymidazolam	-	6.306	3789494
Amitriptyline	278.2 -> 91.2	8/29/2018 4:40 PM				[278.2 -> 105	+		IT An	Amitriptvline-D3	281.2 -> 91.2	6.233	4269671
Acetyl Fentanyl	323.2 -> 105	8/29/2018 4:40 PM				7 323.2 -> 188.	-		L Ao	Acetyl Fentanyl-D5	328.2 -> 105	5.679	6556576
Acetyl Norfentanyl	219.1 -> 84.2	8/29/2018 4:40 PM				[219.1 -> 56.3			F Ac	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.612	4375729
Carbamazepine	237.1 -> 193	8/29/2018 4:40 PM				7 237.1 -> 194_	1		L Ca	Carbamazepine-13C6	243.1 -> 200	5.976	148612
Chlordiazepoxide	300.1 -> 227	300.1 -> 227 8/29/2018 4:40 PM				7 300.1 -> 282			Ч Ц	Chlordiazepoxide-D5	305.1 -> 286	6.453	3898464
Sufentanil	387.2 -> 238	387.2 -> 238 8/29/2018 4:40 PM	6.142	12220	66.26	7 387.2 -> 111.			L Su	Sufentanil-D5	392.2 -> 238	. 6 141	7813661
Desipramine	267.2 -> 72.3	8/29/2018 4:40 PM				Г 267.2 -> 44.3			L De	Desipramine-D3	270.2 -> 75.3	6.195	167712.
Doxepin	280.2 -> 107	280.2 -> 107 8/29/2018 4:40 PM				[7] 280.2 -> 77.2			D	Doxepin-D3	283.2 -> 107	5.989	2022488
Estazolam	295.1 -> 267	8/29/2018 4:40 PM				[295.1 -> 205.			Г В	Estazolam-D5	300.1 -> 272	6.251	6041796
Flunitrazepam	314.1 -> 268	8/29/2018 4:40 PM	6.309	21335	43.68	7 314.1 -> 239_			FIL FIL	Flunitrazepam-D7	321.1 -> 245	6.309	349647
Flurazepam	388.2 -> 315	8/29/2018 4:40 PM				7 388.2 -> 317_			L Zo	Zopiclone-D4	393.1 -> 244	5.817	1321681
Imipramine	281.2 -> 86.2	8/29/2018 4:40 PM				F 281.2 -> 58.3			E L	Imipramine-D3	284.2 -> 61.3	6.211	103761
Levamisole	205.1 -> 91.2	8/29/2018 4:40 PM				[205.1 -> 178.			ME	MDMA-D6	200.2 -> 166	4.984	235955
Maprotiline	278.2 -> 91.2	8/29/2018 4:40 PM				F 278.2 -> 117			L Me	Meperidine-D4	252.2 -> 224	5.382	3428310
MDA	180.1 -> 163	8/29/2018 4:40 PM				[180.1 -> 105			L MC	MDA-D5	185.1 -> 168	4.842	1047499
MDEA	208.1 -> 163	208.1 -> 163 8/29/2018 4:40 PM				[208.1 -> 105	-		L MC	MDEA-D6	214.2 -> 166	5.124	4602809
MDMA	194.1 -> 163	194.1 -> 163 8/29/2018 4:40 PM				[[194.1 -> 105			I ME	MDMA-D6	200.2 -> 166	4.984	235955
Meperidine	248.2 -> 220	248.2 -> 220 8/29/2018 4:40 PM				[248.2 -> 174	4		L Me	Meperidine-D4	252.2 -> 224	5.382	3428310
Methylphenidate	234.2 -> 84.2	234.2 -> 84.2 8/29/2018 4:40 PM				7 234.2 -> 56.3			Me	Meperidine-D4	252.2 -> 224	5.382	3428310
Midazolam	326.1 -> 223	326.1 -> 223 8/29/2018 4:40 PM				7 326.1 -> 249.			Mir	Midazolam-D4	330.1 -> 295	6.449	5062423
Normeperidine	234.1 -> 42.3	8/29/2018 4:40 PM				7 234.1 -> 160			٥ ۲	Normeperidine-D4	238.2 -> 164	5.405	3973301
Nortriptyline	264.2 -> 91.2	8/29/2018 4:40 PM				[264.2 -> 233.			No No	Nortriptyline-D3	267.2 -> 233	6.236	2148776
Phenazepam	349.0 -> 206	8/29/2018 4:40 PM				F 349.0 -> 183.	1		L Ph	Phenazepam-D4	353.0 -> 183	6.365	105059
Phencyclidine	244.2 -> 86.2	8/29/2018 4:40 PM				[244.2 -> 91.1			Ph Ph	Phencydlidine-D5	249.2 -> 86.2	5.689	5668377
Phenytoin	253.1 -> 104	8/29/2018 4:40 PM				[253.1 -> 182.			L Ph	Phenytoin-D10	263.2 -> 192	5.871	92546
Pseudoephedrine	166.1 -> 148	8/29/2018 4:40 PM				[166.1 -> 133.			L Ps	Pseudoephedrine-D3	169.1 -> 151	4 381	4384853
Tapentadol	222.2 -> 107	8/29/2018 4:40 PM				[222.2 -> 121			L Ta	Tapentadol-D3	225.2 -> 107	5.224	6032291
Zaleplon	306.1 -> 236	8/29/2018 4:40 PM	6 372	8116	32.15	7 306.1 -> 264	10271	3613	TZa	Zaleplon-D4	310.2 -> 240	6.107	2849073
Zoniologo													