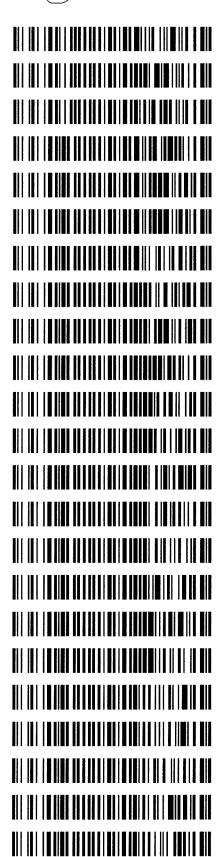


Worklist: 1444

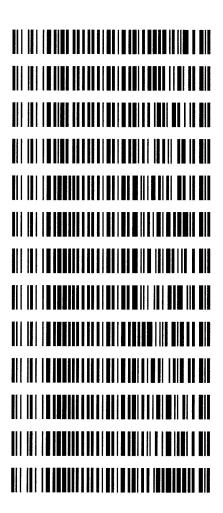
WOIKIISE. 1777			
LAB CASE C2016-1405	ITEM 1	TASK ID 73123	DESCRIPTION AM 25/AM 26 Blood MultiDrug/
C2016-2080	1	73154	AM 25/AM 26 Blood MultiDrug/
C2016-2304	1	72781	AM 25/AM 26 Blood MultiDrug/
M2016-3640	1	73128	AM 25/AM 26 Blood MultiDrug/
M2016-3677	1	73124	AM 25/AM 26 Blood MultiDrug/
M2016-3677	2	73125	AM 25/AM 26 Blood MultiDrug/
M2016-3792	1	73126	AM 25/AM 26 Blood MultiDrug/
M2016-3948	1	73127	AM 25/AM 26 Blood MultiDrug/
M2016-3995	1	73129	AM 25/AM 26 Blood MultiDrug/
M2016-4114	1	73130	AM 25/AM 26 Blood MultiDrug/
M2016-4137	1	73131	AM 25/AM 26 Blood MultiDrug/
M2016-4195	1	73132	AM 25/AM 26 Blood MultiDrug/
M2016-4366	1	73133	AM 25/AM 26 Blood MultiDrug/
M2016-4367	1	73134	AM 25/AM 26 Blood MultiDrug/
M2016-4368	1	73135	AM 25/AM 26 Blood MultiDrug/
M2016-4477	1	73136	AM 25/AM 26 Blood MultiDrug/
M2016-4536	1	73137	AM 25/AM 26 Blood MultiDrug/
M2016-4547	1	73138	AM 25/AM 26 Blood MultiDrug/
M2016-4740	1	73139	AM 25/AM 26 Blood MultiDrug/
M2016-4741	1	73140	AM 25/AM 26 Blood MultiDrug/
M2016-4821	1	73141	AM 25/AM 26 Blood MultiDrug/
M2016-4821	2	73142	AM 25/AM 26 Blood MultiDrug/
M2016-4866	1	73143	AM 25/AM 26 Blood MultiDrug/





Worklist: 1444

LAB CASE	ITEM	TASK ID	DESCRIPTION
M2016-4969	1	72459	AM 25/AM 26 Blood MultiDrug/
M2016-4969	2	72886	AM 25/AM 26 Blood MultiDrug/
M2016-4989	1	72458	AM 25/AM 26 Blood MultiDrug/
M2016-5099	2	73151	AM 25/AM 26 Blood MultiDrug/
P2016-1858	1	73144	AM 25/AM 26 Blood MultiDrug/
P2016-1877	1	73145	AM 25/AM 26 Blood MultiDrug/
P2016-2102	1	73146	AM 25/AM 26 Blood MultiDrug/
P2016-2157	1	73147	AM 25/AM 26 Blood MultiDrug/
P2016-2556	1	73148	AM 25/AM 26 Blood MultiDrug/
P2016-2590	1	73149	AM 25/AM 26 Blood MultiDrug/
P2016-2624	1	73150	AM 25/AM 26 Blood MultiDrug/
P2016-2653	1	73153	AM 25/AM 26 Blood MultiDrug/
P2016-2762	1	73152	AM 25/AM 26 Blood MultiDrug/





ISP Forensic Services: Toxicology Discipline

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

Analyst: Anne Word Extraction Date: 12-29-/6 PRE-ANALYTIC Plate. Exp. (2-/2-1)0495940 Plate Lot# Ensure all solutions are within expiration date. Lot #: 11/7/6 Mobile Phase A: 0.5M Ammonium 10mM Amm Formate Hydroxide Column: Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um) Mobile Phase B 0.1% FA in MeOH Lot #: 32/632-2 Blank/Negative Blood Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full. Begin mobile phase flow and allow system to equilibrate for approx. 30 min. Create worklist. Data path name: 12-29-16 multiday Secret + AMN blood Screen AM 25-26 4. ANALYTIC Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature. Pipette 250μL blood in wells of analytical (standards) plate. Mix via aspirate and dispense. Blank blood for locations containing standards/QCs and internal standards Sample blood for locations containing only internal standards Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759 Pipette 250µL 0.5M ammonium hydroxide buffer in wells of analytical (standards) plate. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Transfer 300µL of blood+base mixture to corresponding wells of SLE+ plate. 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). (Load at 85-100 PSI- Selector to the right) Manifold ID 66729 Wait 5 min. 8. Add 900µL ethyl acetate and allow to flow for 5 minutes under gravity. 9. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left) 10. Add 900µL ethyl acetate and allow to flow for 5 minutes under gravity. 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left) $\frac{\sqrt{}}{\sqrt{}} 12.$ $\frac{\sqrt{}}{\sqrt{}} 13.$ Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. **SPE Dry ID 66819** Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist. POST-ANALYTIC 122916 multidrug screen a $\sqrt{1}$. Open quantitation software and create a new quantitation batch. Batch name: 122916 multidrug screen h Make any necessary integration changes. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% rt of administrative control. > 1/10 the response of administrative control. Did all QCs pass for each analyte? (Y/N

Central File Packet to include: LIMS Worklist:

Method Checklist

Calibration and

COMMENTS:

Control Reports

A

Request for Departure from an Analytical Method

Date of Request 12/14/16

Analytical Method
AM 25 multidrug screen

Deviation

4.3.1.5 Retention time criterion for peak identification is a $\pm 2\%$ retention time window relative to the internal control and/or internal standards around the analytes retention time.

At the analysts discretion when the analyte peak falls outside the retention time window and the internal standard also shifts comparably that sample may be evaluated as positive if the other criteria are met.

4.3.1.6 Case Samples, external controls and negative controls will generally be considered negative if the primary transition response is less than 10 times less that of the internal control.

Samples between 5 and 10 times less response may be evaluated as negative at the analyst's discretion.

If the primary transition response for methamphetamine is less than the internal control it may be evaluated as negative. The administrative threshold is currently 10 ng/ml for methamphetamine.

Discipline Leader Review ☐ Departure approved ☐ Comments: These are minor deviations, this deviation approval will be in effect until the method is updated to include these criteria. ☐ Departure Not Approved ☐ Comments:



Colora Dh

Date: 12/14/16 Celena Shrum

Toxicology Program Discipline Leader



	Compound Method	po	cal 1a		cal 1a Results	ults	Qualifier 1 M.	Qualifier	STD Method	d specification	ISTD F	ISTD Results	
	Name	Transition	Acq. Date-Time	RT	Resp.	N/S	Transition	N/S	Name	Transition	RT	Resp.	
	6-MAM	328.2 -> 165	12/29/2016 9:21 PM	4.892	1558	5.12	328.2 -> 211	6.62	6-MAM-D6	334.2 -> 165	4.871	47675	
Ş	7-aminoclonazepam	286.1 -> 121	12/29/2016 9:21 PM	5.567	27968	219.18	286.1 -> 222	61.25	7-Aminoclonazepam-D4	290.1 -> 121	5.545	140254	
(2)	Acetyl Fentanyl	323.2 -> 105	12/29/2016 9:21 PM	5.726	19758	53.50	53.50 323.2 -> 188	123.68	Acetyl Fentanyl-D5	328.2 -> 105	5.704	1182935	
100	Acetyl Norfentanyl	219.1 -> 84.2	12/29/2016 9:21 PM	4.866	9743	206.87	219.1 -> 56.3	7.75	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.845	496733	
÷	a-hydroxyalprazolam	325.1 -> 297	12/29/2016 9:21 PM	6.457		28.51	325.1 -> 215	31.62	a-hydroxyalprazolam-D5	330.1 -> 302	6.436	41112	
	alpha-PVP	232.2 -> 91.0	12/29/2016 9:21 PM	5.493	141180	74.96	74.96 232.2 -> 77.1	80.46	alpha-PVP-d8	240.2 -> 91.1	5.492	597856	
	Alprazolam	309.1 -> 281	12/29/2016 9:21 PM	6.542	61010	146.21	309.1 -> 205	617.74	Alprazolam-D5	314.1 -> 286	6.541	255286	
	Amphetamine	136.1 -> 91.1	12/29/2016 9:21 PM	4.788	164694	16.30	16.30 136.1 -> 119	142.86	Amphetamine-D11	147.2 -> 130	4.747	168244	
ă	Bupropion	240.1 -> 184	12/29/2016 9:21 PM	5.696	122153	33511.67	33511.67 240.1 -> 131	77.42	Ketamine-D4	242.1 -> 129	2.308	339436	
8	Carisoprodol	261.2 -> 176	12/29/2016 9:21 PM	6.184	62183	58.73	261.2 -> 55.3	32.95	Carisoprodol-D7	268.2 -> 183	6.163	407731	
À	Citalopram	325.2 -> 109	12/29/2016 9:21 PM	6.030		313.64	325.2 -> 262	128.83	Citalopram-D6	331.2 -> 109	6.029	848097	
À	Clonazepam	316.1 -> 269	12/29/2016 9:21 PM	6.398	17156	75.75	316.1 -> 213	22.37	Clonazepam-D4	320.1 -> 217	6.398	28977	
11	Codeine	300.2 -> 215	12/29/2016 9:21 PM	4.756	7847	44.76	44.76 300.2 -> 165	24.41	Codeine-D6	306.2 -> 218	4.713	36007	
100	Cyclobenzaprine	276.2 -> 214	12/29/2016 9:21 PM	6.283	99819	69.82	276.2 -> 231	Infinity	Cyclobenzaprine-D3	279.2 -> 215	6.282	519013	
- 1	Dextromethorphan	272.2 -> 171	12/29/2016 9:21 PM	6.040	51406	Infinity	272.2 -> 147	92.11	Dextromethorphan-D3	275.2 -> 171	6.040	245701	
Ĭ,	Dextrorphan	258.2 -> 157	12/29/2016 9:21 PM	5.388		66.71	258.2 -> 133	567.54	567.54 Dextrorphan-D3	261.2 -> 157	5.388	271625	
8	Diazepam	285.1 -> 193	12/29/2016 9:21 PM	692.9	48928	72.27	285.1 -> 153	409.65	409.65 Diazepam-D5	290.1 -> 198	6.748	220179	
(A)	Dihydrocodeine	302.2 -> 198	12/29/2016 9:21 PM	4.714		753.34	302.2 -> 128	51.80	51.80 Dihydrocodeine-D6	308.2 -> 202	4.692	132143	
3	Diphenhydramine	256.2 -> 167	12/29/2016 9:21 PM	5.981		154.04	256.2 -> 152	71.05	Diphenhydramine-D3	259.2 -> 167	5.981	1519231	
	Doxylamine	271.2 -> 182	12/29/2016 9:21 PM	5.673		44.85	271.2 -> 167	13.57	Doxylamine-D5	276.2 -> 187	5.650	1271303	
	EDDP	279.2 -> 235		6.038		44637.92		229.28	EDDP-D3	282.2 -> 235		110827	
	Fentanyl	337.2 -> 105		5.926		27.48	337.2 -> 188	99.06	Fentanyl-D5	342.3 -> 105	5.926	1084250	
	Fluoxetine	310.1 -> 44.3]	6.257	.,	274.51	310.1 -> 148	22.74	Fluoxetine-D6	316.2 -> 44.3	6.256	1269382	
	Hydrocodone	300.2 -> 198	[4.978		99.11		Infinity	Infinity Hydrocodone-D6	306.2 -> 202		204463	
	Hydromorphone	286.2 -> 184		4.352		70.48	286.2 -> 157	1596.07	Hydromorphone-D6	292.2 -> 185	4.350	98741	
	Ketamine	238.1 -> 125		5.330		44.74	238.1 -> 220	38.18	38.18 Ketamine-D4	242.1 -> 129		339436	
	Meprobamate	219.1 -> 158		5.678		24.89		9.45	Meprobamate-D7	226.2 -> 165	5.656	91344	
ä	Methadone	310.2 -> 265		6.318		76.33	310.2 -> 105	70.59	70.59 Methadone-D9	319.3 -> 268	6.317	1143923	
	Methamphetamine	150.1 -> 91.1	12/29/2016 9:21 PM	4.948	47	5.10	5.10 150.1 -> 119	40.82	Methamphetamine-D11	161.2 -> 97.1	4.907	580358	لز
100	Morphine	286.2 -> 201		4.095		13.75	L	106.65	Morphine-D6	292.2 -> 152	4.350	8291	المسلمان ع باقي 1929
	Naloxone	328.2 -> 309		4.892		5.45		1.82	Naloxone-D5	333.2 -> 315	5.074	233 >>	. 50
3	Naltrexol	344.2 -> 326		4.891		271.26		57.50	57.50 Naltrexol-D3	347.2 -> 329		333624	TON (")
3	Naltrexone	342.2 -> 324		4.831	4	11519.90		82.26	82.26 Naloxone-D5	333.2 -> 315_		233-1	233-Net CV
	Norbuprenorphine	414.3 -> 101		5.802		63.63		92.47	Norbuprenorphine-D3	417.3 -> 101		38129	
1	Nordiazepam	271.1 -> 140		6.631		5349.67		6.23	6.23 Nordiazepam-D5	276.1 -> 140		65807	
	Norfentanyl	233.2 -> 84.2		5.330	19	437.77		169.11	Norfentanyl-D5	238.2 -> 84.2	5.309	751630	
3	Norhydrocodone	286.2 -> 199	12/29/2016 9:21 PM	4.920		8.52	286.2 -> 171	10.59	10.59 Norhydrocodone-D3	289.2 -> 202	4.919	76035	
	Noroxycodone	302.1 -> 284	12/29/2016 9:21 PM	4.856	28227	32.87	302.1 -> 186	50.44	50.44 Noroxycodone-D3	305.2 -> 287	4.855	133431	
74	O-desmethyl-tramadol	250.2 -> 58.3	12/29/2016 9:21 PM	4.904	181470	268.24	250.2 -> 42.3	23.02	O-desmethyl-tramadol	256.2 -> 64.3	4.883	837040	
100	Oxazepam	287.1 -> 240	. 12/29/2016 9:21 PM	6.464	13309	90.76		14.95	Oxazepam-D5	292.1 -> 246	6.443	63949	
33	Oxycodone	316.2 -> 298	12/29/2016 9:21 PM	4.894		157.45		29.08	Oxycodone-D6	322.2 -> 304	4.873	256805	
	Oxymorphone	302.1 -> 284		4.186		585.82	302.1 -> 227	101.98	Oxymorphone-D3	305.2 -> 287	4.184	262340	(
200	Phentermine	150.1 -> 65.2	12/29/2016 9:21 PM	5.110		Infinity			Phentermine-D5	155.2 -> 96.2	5.089	487187	A
	Promethazine	285.1 -> 86.2	12/29/2016 9:21 PM	6.240	- 1	55490.37	285.1 -> 71.3		Promethazine-D3	288.2 -> 89.2		1891949	3
	Quetiapine	384.2 -> 253	384.2 -> 253 12/29/2016 9:21 PM	6.169	229104	307.76	307.76 384.2 -> 221	18896	Quetiapine-D8	392.2 -> 226	6.168	336316	

Compound Method	poq	cal 1a	•	cal 1a Results		Qualifier 1 M Qualifier	Qualifier	ISTD Method) D	200	ISTD Results
Name	Transition	Acq. Date-Time	꿆	Resp.	S/N T	Transition	N/S	Name	Transition	RT	Resp.
Sertraline	306.1 -> 158	306.1 -> 158 12/29/2016 9:21 PM	6.462	60968	352.07 306.1 -> 275	.1 -> 275	393.77 8	393.77 Sertraline-D3	309.1 -> 275 6.481	6.481	419463
Sufentanil	387.2 -> 238	387.2 -> 238 12/29/2016 9:21 PM	6.148	15251	244.01 387.2 -> 111	.2 -> 111	46.14 8	46.14 Sufentanil-D5	392.2 -> 238 6.148	6.148	686601
Temazepam	301.1 -> 255	301.1 -> 255 12/29/2016 9:21 PM	6.605	81629	103.30 301.1 -> 283	.1 -> 283	19.90	19.90 Temazepam-D5	306.1 -> 260 6.584	6.584	455320
Tramadol	264.2 -> 58.3	264.2 -> 58.3 12/29/2016 9:21 PM	5.427	254762	94.06 264.2 -> 43.3	.2 -> 43.3	11.03	11.03 Tramadol-13C-D3	268.2 -> 58.3 5.407	5.407	1163545
Trazodone	372.2 -> 176	372.2 -> 176 12/29/2016 9:21 PM	6.007	162989	505.49 372.2 -> 148	.2 -> 148	278.22	278.22 Sufentanil-D5	392.2 -> 238 6.148	6.148	686601
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 12/29/2016 9:21 PM	5.774	218071	131.78 278.2 -> 260	.2 -> 260	31.23	31.23 Venlafaxine-D6	284.2 -> 64.3	5.773	1042480
Zolpidem	308.2 -> 235	308.2 -> 235 12/29/2016 9:21 PM	5.749	156934	130.13 308.2 -> 263	.2 -> 263	89.80	89.80 Zolpidem-D6	314.2 -> 235 5.728	5.728	797702



Transition Transition Acq. Date-Time RT Resp. SNN Transition Stat1 > 332.		Compound Method	ρc	cal 1b		cal 1b Results	ults	Qualifier 1 M	Qualifier	ISTD Method		ISTD	ISTD Results	
metacepean 28.41 - 153, 12292016 5.30 PM 5.761 60653 19794 0.0 284.1 - 932. 12292016 5.30 PM 6.445 7901 5.1 176.20 17.1 17.0 20.2 17.1 20.2 17.1 20.2 17.1 20.0 28.1 228.2 12.292016 5.30 PM 6.347 25.2408 Infinity 278.2 > 106. 20.0		Name	Transition	Acq. Date-Time	R	Resp.	S/N	Transition	N/S	Name	Transition	R	Resp.	
rownwidezoolam 342 1 - 324, 122992016 330 PM 6.445 79015 176.97 342.1 - 200. rine 2782 - 3912 122992016 330 PM 6.345 2340 171.57 314.1 - 3193 78 50.05 ree 314.1 - 321 12292016 330 PM 6.347 17712 200.06 200.1 - 105 200.0 200.1 - 105 300.1 - 105		7-aminoflunitrazepam	284.1 -> 135		5.761	60629	19794.60	284.1 -> 93.2	200.14	7-aminoflunitrazepam-D7	291.2 -> 138	5.740	266583	
rine 278.2 ~ 91.2 12292016 9:30 PM 6:305		alpha-hydroxymidazolam	342.1 -> 324		6.445	79015	176.97	342.1 -> 203	162.03	alpha-hydroxymidazolam	346.1 -> 328	6.445	421608	
ene 314.1 > 271. 12292016 930 PM 6.391 75022 715.3 314.1 > 106 expline 290.1 > 168 12292016 930 PM 6.391 177.0 200.0 200.1 > 106 expoxide 300.1 > 227 12292016 930 PM 6.593 177.0 81.8 300.1 > 227 12292016 930 PM 6.503 370.6 801.8 300.1 > 227 12292016 930 PM 6.513 150.0 801.8 300.1 > 220 202.0 107.0 202.0 200.1 > 220 202.0 200.1 > 220 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0 200.1 202.0		Amitriptyline	278.2 -> 91.2	12/29/2016 9:30 PM	6.354	229408	Infinity	278.2 -> 105	80.39	Amitriptyline-D3	281.2 -> 91.2	6.353	480258	
egonine 290.1 > 168, 1229g2016 9:30 PM 6.196 27971 200.0 200.1 > 105. papeine 230.1 > 193, 1229g2016 9:30 PM 6.196 27991 156.1 237.1 > 193. papeine 330.1 > 25.1 194.2 1229g2016 9:30 PM 6.158 3705 88.185 30.1 > 25.1 194.2 mine 30.1 > 25.1 1229g2016 9:30 PM 6.513 315671 Infinity 315.2 > 883.2 30.1 paper 30.2 > 107. 1229g2016 9:30 PM 6.513 314671 Infinity 250.2 > 77.2 paper 30.2 > 107. 1229g2016 9:30 PM 6.511 6.511 26.8 37.1 3.248 10.8 31.4 3.6 paper 314.1 > 266. 1229g2016 9:30 PM 6.511 6.511 8.6 3.3 3.4 3.8 3.2 3.1 3.2 3.2 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 </td <th></th> <td>Amoxapine</td> <td>314.1 -> 271</td> <td></td> <td>6.307</td> <td>75022</td> <td>171.57</td> <td>Ŷ</td> <td>7694.05</td> <td>Amitriptyline-D3</td> <td>281.2 -> 91.2</td> <td>6.353</td> <td>480258</td> <td></td>		Amoxapine	314.1 -> 271		6.307	75022	171.57	Ŷ	7694.05	Amitriptyline-D3	281.2 -> 91.2	6.353	480258	
respone 237 1 > 193. 12292016 9:30 PM 6:196 27991 156.41 227 1 > 1942 sepoxide 3004 1 > 227. 12292016 9:30 PM 6:531 31505 891.85 30.1 > 222. 22292016 9:30 PM 6:531 31505 891.85 30.1 > 222. 22292016 9:30 PM 6:531 31505 304.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 305.2 > 105. 30	шыны	Benzoylecgonine	290.1 -> 168		5.391	17712	200.06	290.1 -> 105	20.81	Benzoylecgonine-D8	298.2 -> 171	2.390	6113	
Sepociate 300.1 > 227. 12292/2016 9:30 PM 6.557 315671 10ffnity 315.2 > 582. 315671 315671 3166.2 304.2 > 105. 316.2 32.3 32.3		Carbamazepine	237.1 -> 193		6.196	27991	156.41	^	219.35	Carbamazepine-13C6	243.1 -> 200	6.196	12126	
mine 315.2 - 86.2 12292016 9:30 PM 6:351 316571 Infinity 315.2 - 86.2 12292016 9:30 PM 6:315 316571 Infinity 315.2 - 88.3 3 inine 267.2 - 712. 12292016 9:30 PM 6:316 561887 Infinity 260.2 - 717.2 2 ppam 141.1 - 268. 12292016 9:30 PM 6:316 6109 110693 Infinity 280.2 - 717.2 2 ppam 314.1 - 268. 12292016 9:30 PM 6:316 638.9 1248.90 28.1 - 267.1 2 ppam 314.1 - 268. 12292016 9:30 PM 6:316 638.9 1248.90 28.1 - 267.1 2 see 278.2 - 912. 12292016 9:30 PM 6:34 284.8 10.0 10.0 10.0 10.0 10.0 2 2 10.0 10.0 10.0 10.0 10.0 2 2 10.0 10.0 10.0 2 2 2 2 2 2 2 2 2 2 2 2 2		Chlordiazepoxide	300.1 -> 227	******	6.553	30705	891.85	300.1 -> 282	215.88	Chlordiazepoxide-D5	305.1 -> 286	6.553	309560	
12, 12, 12, 12, 12, 12, 12, 12, 12, 12,		Clomipramine	315.2 -> 86.2	12/29/2016 9:30 PM	6.531	315671	Infinity		381.98	Clomipramine-D3	318.2 -> 89.2	6.530	16969	
nine 267.2 > 72.3 12/29/2016 9:30 PM 6.315 26187 Infinity 267.2 > 44.3 2 nn 286.1 > 26.1. 12/29/2016 9:30 PM 6.104 110683 Infinity 286.2 > 77.2 nn 286.1 > 26.1. 12/29/2016 9:30 PM 6.514 6.3584 9078.62 314.1 > 229 ann 388.2 > 316 12/29/2016 9:30 PM 6.58 137501 826.3 382.2 > 317 4 ann 286.1 > 91.2 12/29/2016 9:30 PM 6.334 22408 Infinity 281.2 > 88.2 317 12/29/2016 9:30 PM 6.341 48.01 281.2 > 917 12/29/2016 9:30 PM 6.341 48.01 16.1. 12/29/2016 9:30 PM 6.341 48.01 16.1. 12/29/2016 9:30 PM 6.341 48.01 16.2. 12/29/2016 9:30 PM 6.362 12/408 16.1. 12/29/2016 9:30 PM 6.341 48.01 16.1. 12/29/2016 9:30 PM 6.341 4.341 4.361 16.1. 16.2. 16.1. 16.2. 16.1. 16.2. 16.2. 16.2. 16.2.<		Cocaine	304.2 -> 182		5.573	153051	306.62	304.2 -> 105	43.69	Cocaine-D3	307.2 -> 185	5.572	645865	
280.2 > 107_L 12/29/2016 9:30 PM 6.109 110693 Infinity 280.2 > 717_L ppam 3141 > 268_L 12/29/2016 9:30 PM 6.474 6.3369 12483.80 295.1 > 220.2 ppam 3141 > 268_L 12/29/2016 9:30 PM 6.474 6.336 12/483.80 316.2 317.2 4 pie 281.2 > 81.2 12/29/2016 9:30 PM 6.313 344568 Infinity 281.2 > 58.3 1 pie 281.2 > 81.2 12/29/2016 9:30 PM 6.313 344588 Infinity 281.2 > 58.3 1 pie 281.2 > 81.2 12/29/2016 9:30 PM 6.34 299/28 Infinity 281.2 > 58.3 1 pie 282.2 > 91.2 12/29/2016 9:30 PM 5.34 200.17 141.2 16.2 174.1 105.2 174.2 105.2 174.2 105.2 174.2 105.2 174.2 105.2 174.2 105.2 174.2 105.2 174.2 12729/2016 9:30 PM 5.50 277261 116.1 174.2 12729/2016 9:30 PM 5.50 <th></th> <td>Desipramine</td> <td>267.2 -> 72.3</td> <td>12/29/2016 9:30 PM</td> <td>6.315</td> <td>261887</td> <td>Infinity</td> <td>267.2 -> 44.3</td> <td>273.65</td> <td>Desipramine-D3</td> <td>270.2 -> 75.3</td> <td>6.314</td> <td>12843</td> <td></td>		Desipramine	267.2 -> 72.3	12/29/2016 9:30 PM	6.315	261887	Infinity	267.2 -> 44.3	273.65	Desipramine-D3	270.2 -> 75.3	6.314	12843	
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399.2 -> 174 12/29/2016 9:30 PM 6.057 71135 219.41 399.2 -> 238 1 100 234.1 -> 42.3 12/29/2016 9:30 PM 5.605 73565 Infinity 234.1 -> 160 1 100 236.2 -> 44.3 12/29/2016 9:30 PM 6.203 36808 118.43 326.2 -> 252 33 100 264.2 -> 91.2 12/29/2016 9:30 PM 6.275 383829 291.63 264.2 -> 212 24 100 294.2 -> 184 12/29/2016 9:30 PM 6.759 80129 203.23 294.2 -> 212 2 100 286.2 -> 218 12/29/2016 9:30 PM 5.658 112202 2226.06 286.2 -> 41.3 1 100 286.2 -> 218 12/29/2016 9:30 PM 6.587 44765 387.90 349.0 -> 183 1 100 244.2 -> 86.2 12/29/2016 9:30 PM 6.113 2776 5.89 25.20 286.2 -> 41.3 1 100 253.1 -> 104 12/29/2016 9:30 PM 6.113 2776 5.89 25.20 286.2 -> 41.3 1 100 251> 251 12/29/2016 9:30 PM <th></th> <td>Mirtazapine</td> <td>266.2 -> 195</td> <td></td> <td>5.682</td> <td>138833</td> <td>143.32</td> <td>266.2 -> 72.3</td> <td>174.29</td> <td>Midazolam-D4</td> <td>330.1 -> 295</td> <td>6.345</td> <td>345928</td> <td></td>		Mirtazapine	266.2 -> 195		5.682	138833	143.32	266.2 -> 72.3	174.29	Midazolam-D4	330.1 -> 295	6.345	345928	
ne 234.1 -> 42.3 12/29/2016 9:30 PM 5.605 73565 Infinity 234.1 -> 160 1 ane 326.2 -> 44.3 12/29/2016 9:30 PM 6.203 36808 118.43 326.2 -> 252 33 264.2 -> 91.2 12/29/2016 9:30 PM 6.275 383829 291.63 264.2 -> 233 24 294.2 -> 184 12/29/2016 9:30 PM 5.739 80129 203.23 294.2 -> 212 2 286.2 -> 218 12/29/2016 9:30 PM 5.658 112202 2226.06 286.2 -> 41.3 1 244.2 -> 86.0 12/29/2016 9:30 PM 5.87 44765 387.90 349.0 -> 183 1 244.2 -> 86.2 12/29/2016 9:30 PM 6.113 2776 6788.3.95 244.2 -> 91.1 1 255.1 -> 104 12/29/2016 9:30 PM 6.113 2776 5.89 25.2.1 -> 182 1 340.2 -> 58.3 12/29/2016 9:30 PM 6.113 2776 5.89 25.1 -> 182 1 16.1 -> 59.1 -> 271 12/29/2016 9:30 PM 6.138 1029 <th></th> <td>Mitragynine</td> <td>399.2 -> 174</td> <td></td> <td>6.057</td> <td>71135</td> <td>219.41</td> <td>399.2 -> 238</td> <td>171.48</td> <td>Carbamazepine-13C6</td> <td>243.1 -> 200</td> <td>6.196</td> <td>12126</td> <td></td>		Mitragynine	399.2 -> 174		6.057	71135	219.41	399.2 -> 238	171.48	Carbamazepine-13C6	243.1 -> 200	6.196	12126	
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idine 244.2 -> 86.2 1229/2016 9:30 PM 6.113 2776 67883.95 244.2 -> 91.1 Indine 253.1 -> 104 12/29/2016 9:30 PM 6.113 2776 5.89 253.1 -> 182		Phenazepam	349.0 -> 206		6.587	44765	387.90	349.0 -> 183	170.22	Phenazepam-D4	353.0 -> 183	6.566	16086	
n 253.1 -> 104 12/29/2016 9:30 PM 6.113 2776 5.89 253.1 -> 182 n 325.1 -> 271 12/29/2016 9:30 PM 7.016 231342 1373.92 325.1 -> 140 1 e 219.1 -> 91.2 12/29/2016 9:30 PM 5.463 10129 Infinity 219.1 -> 162 1 shene 340.2 -> 58.3 12/29/2016 9:30 PM 6.202 226135 86.60 340.2 -> 266 1 phedrine 264.2 -> 155 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13 pol 222.2 -> 107 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13 inine 222.2 -> 107 12/29/2016 9:30 PM 6.381 385.55 166.1 -> 133 13 ii 455.3 -> 165 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 11 ii 455.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 573 <	izmer)	Phencyclidine	244.2 -> 86.2		5.870	196707	67883.95		Infinity	Phencydlidine-D5	249.2 -> 86.2	5.869	988294	
n 325.1 -> 271 12/29/2016 9:30 PM 7.016 231342 1373.92 325.1 -> 140 1 e 219.1 -> 91.2 12/29/2016 9:30 PM 5.463 10129 Infinity 219.1 -> 162 1 hene 340.2 -> 58.3 12/29/2016 9:30 PM 6.202 226135 86.60 340.2 -> 266 1 ine 264.2 -> 155 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13 phedrine 166.1 -> 148 12/29/2016 9:30 PM 4.581 11890 385.55 166.1 -> 133 13 iol 222.2 -> 107 12/29/2016 9:30 PM 5.342 165845 Infinity 222.2 -> 121 13 iii 455.3 -> 165 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 11 ii 455.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 360.1 -> 264 573 389.1 -> 244 12/29/2016 9:30 PM 6.308 51626 590.54 389.1 -> 264 <th></th> <td>Phenytoin</td> <td> 253.1 -> 104</td> <td></td> <td>6.113</td> <td>2776</td> <td>5.89</td> <td>253.1 -></td> <td>18.84</td> <td>Phenytoin-D10</td> <td>263.2 -> 192</td> <td>6.093</td> <td>18070</td> <td></td>		Phenytoin	253.1 -> 104		6.113	2776	5.89	253.1 ->	18.84	Phenytoin-D10	263.2 -> 192	6.093	18070	
e 219.1 -> 91.2 12/29/2016 9:30 PM 5.463 10129 Infinity 219.1 -> 162 1 shee 340.2 -> 58.3 12/29/2016 9:30 PM 6.202 226135 86.60 340.2 -> 266 1 ine 264.2 -> 155 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13 phedrine 166.1 -> 148 12/29/2016 9:30 PM 4.581 11890 385.55 166.1 -> 133 13 iol 222.2 -> 107 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 121 1 iii 455.3 -> 165 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 11 ii 455.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 365.1 -> 58.3 1 ii 455.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 360.1 -> 264 573 39063 247.02 389.1 -> 216		Prazepam	325.1 -> 271	~~~~	7.016	231342	1373.92	325.1 -> 140	199.96	Prazepam-D5	330.1 -> 276	6.994	10732	
shene 340.2 -> 58.3 12/29/2016 9:30 PM 6.202 226135 86.60 340.2 -> 266 1 ine 264.2 -> 155 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13 phedrine 166.1 -> 148 12/29/2016 9:30 PM 4.581 11890 385.55 166.1 -> 133 13 iol 222.2 -> 107 12/29/2016 9:30 PM 5.442 165845 Infinity 222.2 -> 121 1 nine 295.2 -> 100 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 1 ii 455.3 -> 165 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 1 ii 455.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 360.1 -> 264 573 s 389.1 -> 244 12/29/2016 9:30 PM 6.308 51626 590.54 389.1 -> 216		Primidone	219.1 -> 91.2	12/29/2016 9:30 PM	5.463	10129	Infinity	219.1 -> 162	107.00	Prazepam-D5	^	6.994	10732	
hedrine 166.1 -> 148 12/29/2016 9:30 PM 6.275 617917 Infinity 264.2 -> 161 13bedrine 166.1 -> 148 12/29/2016 9:30 PM 4.581 11890 385.55 166.1 -> 133 13bedrine 166.1 -> 107 12/29/2016 9:30 PM 6.391 165845 Infinity 222.2 -> 121 1 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 121 1 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 121 1 12/29/2016 9:30 PM 6.398 211782 46413.78 455.3 -> 150 165.3 -> 165 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 573 39063 247.02 389.1 -> 244 12/29/2016 9:30 PM 6.308 51626 390.3 247.02 389.1 -> 216 578 573 39063 247.02 389.1 -> 216		Propoxyphene	340.2 -> 58.3	12/29/2016 9:30 PM	6.202	226135	86.60	340.2 -> 266	113.86	Propoxyphene-D11	351.3 -> 277	6.201	266787	
phedrine 166.1 -> 148 12/29/2016 9:30 PM 4.581 11890 385.55 166.1 -> 133 13 lol 222.2 -> 107 12/29/2016 9:30 PM 5.442 165845 Infinity 222.2 -> 121 1 nine 295.2 -> 100 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 121 1 il 455.3 -> 165 12/29/2016 9:30 PM 6.138 211782 46413.78 455.3 -> 150 455.3 -> 150 306.1 -> 236 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 573 39063 247.02 389.1 -> 216	-	Protriptyline	264.2 -> 155		6.275	617917	Infinity	264.2 -> 161	0.78	Protriptyline-D3	267.2 -> 155		383844	
lol 222.2 -> 107 12/29/2016 9:30 PW 5.442 165845 Infinity 222.2 -> 121 1 mine 295.2 -> 100 12/29/2016 9:30 PW 6.391 382801 128742 295.2 -> 121 il 455.3 -> 165 12/29/2016 9:30 PW 6.391 382801 128742 295.2 -> 58.3 11 306.1 -> 236 12/29/2016 9:30 PW 6.398 211782 46413.78 455.3 -> 150 4 389.1 -> 244 12/29/2016 9:30 PW 6.373 39063 247.02 389.1 -> 216 53		Pseudoephedrine	166.1 -> 148		4.581	11890	385.55		1345.64	Pseudoephedrine-D3	169.1 -> 151	4.580	585844	
nine 295.2 -> 100 12/29/2016 9:30 PM 6.391 382801 128742 295.2 -> 58.3 11 il 455.3 -> 165 12/29/2016 9:30 PM 6.138 211782 46413.78 455.3 -> 150 4 306.1 -> 236 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 55 389.1 -> 244 12/29/2016 9:30 PM 5.733 39063 247.02 389.1 -> 216		Tapentadol	222.2 -> 107	*******	5.442	165845	Infinity	1	Infinity	Tapentadol-D3	225.2 -> 107	5.442	872667	
ii 455.3 -> 165 12/29/2016 9:30 PM 6.138 211782 46413.78 455.3 -> 150 4 306.1 -> 236 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 57 8 389.1 -> 244 12/29/2016 9:30 PM 5.733 39063 247.02 389.1 -> 216	2009-001	Trimipramine	295.2 -> 100	******	6.391	382801	128742	295.2 -> 58.3	11686	Trimipramine-D3	298.2 -> 103	6.391	19059	
306.1 -> 236 12/29/2016 9:30 PM 6.308 51626 590.54 306.1 -> 264 57		Verapamil	455.3 -> 165		6.138	211782	46413.78	455.3 -> 150	413.62	Trimipramine-D3	298.2 -> 103		19059	
a 389.1 -> 244 12/29/2016 9:30 PM 5.733 39063 247.02 389.1 -> 216		Zaleplon	306.1 -> 236		6.308	51626	590.54	306.1 ->	5701.88	Zalepion-D4	310.2 -> 240		201272	
HHPPRESS		Zopiclone	389.1 -> 244		5.733	39063	247.02	389.1 ->	97.10	Zopiclone-D4	393.1 -> 244	5.733	184299	X



Compound Method	DOU	bi negative	<u>.</u>	enegany cynegon id	100000000000000000000000000000000000000						***************************************
Name	Transition	Acq. Date-Time	R	Resp.	N/S	Transition	SN	Name	Transition	늄	Resp.
6-MAM	328.2 -> 165	. 12/29/2016 10:00 PM	5.013	39	/ 0.52	328.2 -> 211	27.03	6-MAM-D6	334.2 -> 165	4.871	50057
7-aminoclonazepam	286.1 -> 121	. 12/29/2016 10:00 PM	5.834	71	08.0	286.1 -> 222	***************************************	7-Aminoclonazepam-D4	290.1 -> 121	5.545	136879
Acetyl Fentanyl	323.2 -> 105	. 12/29/2016 10:00 PM	5.746	125	~ 0.31	323.2 -> 188	,,,,,,,,,	Acetyl Fentanyl-D5	328.2 -> 105	5.704	10445
Acetyl Norfentanyl	219.1 -> 84.2	12/29/2016 10:00 PM	4.866	157	6.04	219.1 -> 56.3	√ 0.34	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.845	452433
a-hydroxyalprazolam	325.1 -> 297		**********			325.1 -> 215	macani	a-hydroxyalprazolam-D5	330.1 -> 302	6.436	35220
alpha-PVP	232.2 -> 91.0	12/29/2016 10:00 PM	5.514	437	0.59	232.2 -> 77.1	100404	alpha-PVP-d8	240.2 -> 91.1	5.492	533166
Alprazolam	309.1 -> 281		6.380	1452	7.83	309.1 -> 205	∛ 0.63	Alprazolam-D5	314.1 -> 286	6.521	236959
Amphetamine	136.1 -> 91.1	12/29/2016 10:00 PM	*********		~	136.1 -> 119	**************************************	Amphetamine-D11	147.2 -> 130	4.747	117622
Bupropion	240.1 -> 184	. 12/29/2016 10:00 PM	5.532	85	J 1.81	240.1 -> 131	4.14	Ketamine-D4	242.1 -> 129	5.308	305156
Carisoprodol	261.2 -> 176	. 12/29/2016 10:00 PM	6.285	361	J 0.72	261.2 -> 55.3	www.www.nonce	Carisoprodol-D7	268.2 -> 183	6.163	344486
Citalopram	325.2 -> 109	. 12/29/2016 10:00 PM			ر ــــــــــــــــــــــــــــــــــــ	325.2 -> 262	***************************************	Citalopram-D6	331.2 -> 109	6.029	756622
Clonazepam	316.1 -> 269	. 12/29/2016 10:00 PM	6.520	364	√ 1.46	316.1 -> 213	1.25	Clonazepam-D4	320.1 -> 217	6.378	25236
Codeine	300.2 -> 215	. 12/29/2016 10:00 PM	4.917	111	7 1.05	300.2 -> 165	***************************************	Codeine-D6	306.2 -> 218	4.713	34960
Cyclobenzaprine	276.2 -> 214	. 12/29/2016 10:00 PM	6.629	137	1.43	276.2 -> 231	2.49	Cyclobenzaprine-D3	279.2 -> 215	6.261	468556
Dextromethorphan	272.2 -> 171	. 12/29/2016 10:00 PM	6.040	632 ~	0.50	272.2 -> 147	0.69	Dextromethorphan-D3	275.2 -> 171	6.040	223105
Dextrorphan	258.2 -> 157		Paranezza	7	ومعبي	258.2 -> 133		Dextrorphan-D3	261.2 -> 157		246223
Diazepam	285.1 -> 193		6.769	408 ८	0.63		2.80	- 1	290.1 -> 198		208317
Dihydrocodeine	302.2 -> 198		4.694	46	V 0.44	302.2 -> 128	0.28		308.2 -> 202		132030
Diphenhydramine	256.2 -> 167				ار	256.2 -> 152		Diphenhydramine-D3			14055
Doxylamine	271.2 -> 182		5.673	22333	4.21	271.2 -> 167	2.90	Doxylamine-D5	276.2 -> 187	5.650	10720
EDDP	279.2 -> 235	. 12/29/2016 10:00 PM	6.079	94	1.09	279.2 -> 250		EDDP-D3	282.2 -> 235	********	94242
Fentanyl	337.2 -> 105	[5.886	20 /	۷ 0.71	337.2 -> 188		Fentanyl-D5	342.3 -> 105	5.926	933499
Fluoxetine	310.1 -> 44.3		6.135	68	79.0	310.1 -> 148		Fluoxetine-D6	316.2 -> 44.3	6.256	11629
Hydrocodone	300.2 -> 198		4.958	111	2.09	^	0.84	Hydrocodone-D6	۸Ì	4.955	191431
Hydromorphone	286.2 -> 184		4.618	7	0.94	286.2 -> 157	0.56	- 1	292.2 -> 185	4.350	88272
Ketamine	238.1 -> 125	. 12/29/2016 10:00 PM	5.289	1531	96.0	238.1 -> 220	0.47	Ketamine-D4	242.1 -> 129	5.308	305156
Meprobamate	219.1 -> 158	. 12/29/2016 10:00 PM	5.719	7 829	0.44	219.1 -> 97.1	0.43	Meprobamate-D7	226.2 -> 165	5.656	94246
Methadone	310.2 -> 265	. 12/29/2016 10:00 PM	6.521	3044	1.12	310.2 -> 105		Methadone-D9	319.3 -> 268	6.296	987195
Methamphetamine	150.1 -> 91.1	12/29/2016 10:00 PM	5.008	271454	Infinity	150.1 -> 119		Methamphetamine-D11	161.2 -> 97.1	4.907	395860
Morphine	286.2 -> 201	. 12/29/2016 10:00 PM			7	286.2 -> 165		Morphine-D6	292.2 -> 152	4.350	7783
Naloxone	328.2 -> 309				2	328.2 -> 211		Naloxone-D5	333.2 -> 315		
Naltrexol	344.2 -> 326	12/29/2016 10:00 PM	4.810	4278	7.33	344.2 -> 308	7	Naltrexol-D3	347.2 -> 329	4.890	316698
Naltrexone	342.2 -> 324	12/29/2016 10:00 PM	22122222		7	342.2 -> 55.3		Naloxone-D5	333.2 -> 315	**********	
Norbuprenorphine	414.3 -> 101		5.985	211	√ 2.75	414.3 -> 57.3	15.37	Norbuprenorphine-D3	417.3 -> 101	5.781	32557
Nordiazepam	271.1 -> 140	. 12/29/2016 10:00 PM	6.610	88	~ 0.29	271.1 -> 208		Nordiazepam-D5	276.1 -> 140	6.610	65025
Norfentanyl	233.2 -> 84.2		5.432	69	3.93	233.2 -> 55.3	3.06	Norfentanyl-D5	238.2 -> 84.2	5.309	720478
Norhydrocodone	286.2 -> 199	12/29/2016 10:00 PM	4.879	110	4 1.53	286.2 -> 171	1.35	Norhydrocodone-D3	289.2 -> 202	4.919	08669
Noroxycodone	302.1 -> 284	12/29/2016 10:00 PM	4.876	573	69.0	302.1 -> 186	34.53	Noroxycodone-D3	305.2 -> 287	4.855	128018
O-desmethyl-tramadol	250.2 -> 58.3	12/29/2016 10:00 PM	4.884	1418	√ 2.24	250.2 -> 42.3	2.13	O-desmethyl-tramadol	256.2 -> 64.3		830468
Oxazepam	287.1 -> 240	12/29/2016 10:00 PM	6.484	134	J 0.52	287.1 -> 268		Oxazepam-D5	292.1 -> 246	6.463	62403
Oxycodone	316.2 -> 298	12/29/2016 10:00 PM	4.732	457	€ 0.97	316.2 -> 241	0.27	Oxycodone-D6	322.2 -> 304		244281
Oxymorphone	302.1 -> 284		4.186	472	0.91	302.1 -> 227	0.42	Oxymorphone-D3	305.2 -> 287		245623
Phentermine	150.1 -> 65.2		5.008	48812	Infinity	4	17	- 1	155.2 -> 96.2	5.089	397264
Promethazine	285.1 -> 86.2	12/29/2016 10:00 PM	6.098	82	0.73	285.1 ->	0.77	Promethazine-D3	288.2 -> 89.2		14955
Onetianine	384.2 -> 253	384.2 -> 253 12/29/2016 10:00 PM	6.169	3	0.48	384.2 -> 221		Quetiapine-D8	392.2 -> 226	6.168	300127



Compound Method	роц	p1 negative	p1 .	p1 negative Results	saults	Qualifier 1 M Quali	Quali	ISTD Method	pou	ISTD	STD Results
Name	Transition	Acq, Date-Time	품	Resp.	N/S	Transition	NS	Name	Transition	RT	Resp.
Sertraline	306.1 -> 158	306.1 -> 158 12/29/2016 10:00 PM	6.665	53	₹ 0.71	√ 0.71 306.1 -> 275	9.98	9.98 Sertraline-D3	309.1 -> 275 6.461	6.461	343838
Sufentanil	387.2 -> 238	387.2 -> 238 12/29/2016 10:00 PM	6.148	507	√ 7.88	507 V 7.88 387.2 -> 111 4.27 Sufentanil-D5	4.27	Sufentanil-D5	392.2 -> 238 6.148	6.148	591568
Temazepam	301.1 -> 255	301.1 -> 255 12/29/2016 10:00 PM			^	301.1 -> 283		Temazepam-D5	306.1 -> 260 6.584	6.584	400941
Tramadol	264.2 -> 58.3	264.2 -> 58.3 12/29/2016 10:00 PM	5.407	5661	√ 3.73	√ 3.73 264.2 -> 43.3	0.66	0.66 Tramadol-13C-D3	268.2 -> 58.3 5.407	5.407	10949
Trazodone	372.2 -> 176	372.2 -> 176 12/29/2016 10:00 PM	6.007	2629	2.18	2.18 372.2 -> 148		2.91 Sufentanil-D5	392.2 -> 238 6.148	6.148	591568
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 12/29/2016 10:00 PM	5.406	1862	0.99	1862 ∪ 0.99 278.2 -> 260	0.72	0.72 Venlafaxine-D6	284.2 -> 64.3 5.773	5.773	938774
Zolpidem	308.2 -> 235	308.2 -> 235 12/29/2016 10:00 PM	5.770	632	1.56	632 ~ 1.56 308.2 -> 263	1.27	1.27 Zolpidem-D6	314.2 -> 235 5.728	5.728	730824



Corribound Melitod	80	p2 negative	7	pe regaine resum	Cadimor - Min.		DOUBLE OF CO.		<u> </u>	Silbean Cita
Name	Transition	Acq. Date-Time	R	Resp.	S/N Transition	N/S	Name	Transition	꿉	Resp.
7-aminoflunitrazepam	284.1 -> 135	12/29/2016 10:09 PM	5.761	1404	7.76 284.1 -> 93.2	2 \ \0.79	7-aminoflunitrazepam-D7	291.2 -> 138	5.740	247497
alpha-hydroxymidazolam	342.1 -> 324	12/29/2016 10:09 PM			342.1 -> 203		alpha-hydroxymidazolam	346.1 -> 328	6.445	403445
Amitriptyline	278.2 -> 91.2	12/29/2016 10:09 PM	6.476	2076	2.18 278.2 -> 105	5 0.52	Amitriptyline-D3	281.2 -> 91.2	6.353	375495
Amoxapine	314.1 -> 271	12/29/2016 10:09 PM	6.408	153	49.05 314.1 -> 193	7	Amitriptyline-D3	281.2 -> 91.2	6.353	375495
Benzoylecgonine	290.1 -> 168	12/29/2016 10:09 PM	5.411	122	0.72 290.1 -> 105.	1.34	Benzoylecgonine-D8	298.2 -> 171	5.370	5289
Carbamazepine	237.1 -> 193	12/29/2016 10:09 PM	6.319	469	2.77 237.1 -> 194.	L. 0.91	Carbamazepine-13C6	243.1 -> 200	6.196	10185
Chlordiazepoxide	300.1 -> 227	12/29/2016 10:09 PM	6.451	408	3.92 300.1 -> 282.	8.89	Chlordiazepoxide-D5	305.1 -> 286	6.553	284658
Clomipramine	315.2 -> 86.2	12/29/2016 10:09 PM	6.612	152	0.32 315.2 -> 58.3	3 0.58	Clomipramine-D3	318.2 -> 89.2	6.530	13896
Cocaine	304.2 -> 182	12/29/2016 10:09 PM	5.573	968	1.36 304.2 -> 105.	5 0.37	Cocaine-D3	307.2 -> 185	5.550	636535
Desipramine	267.2 -> 72.3	12/29/2016 10:09 PM	6.315	√ 2911	12.66 267.2 -> 44.3	3 12.67	Desipramine-D3	270.2 -> 75.3	6.294	11354
Doxepin	280.2 -> 107	12/29/2016 10:09 PM	6.130	191	0.50 280.2 -> 77.2		Doxepin-D3	283.2 -> 107	6.088	513220
Estazolam	295.1 -> 267	12/29/2016 10:09 PM	6.351	53	0.63 295.1 -> 205	5 2.40		300.1 -> 272	6.451	283530
Flunitrazepam	314.1 -> 268	12/29/2016 10:09 PM	6.531	1268	1.79 314.1 -> 239	0.27	Flunitrazepam-D7	321.1 -> 245	6.490	12908
Flurazepam	388.2 -> 315	12/29/2016 10:09 PM			388.2 -> 317.		Zopiclone-D4	393.1 -> 244	5.733	188404
Imipramine	281.2 -> 86.2	12/29/2016 10:09 PM	6.374	3369	61.92 281.2 -> 58.3	3 1.52	Imipramine-D3	284.2 -> 61.3	6.312	871377
Levamisole	205.1 -> 91.2	12/29/2016 10:09 PM			205.1 -> 178.	~	Cocaine-D3	307.2 -> 185		636535
Maprotiline	278.2 -> 91.2	12/29/2016 10:09 PM	6.476	2076	2.18 278.2 -> 117		Meperidine-D4	252.2 -> 224	5.581	272596
MDA	180.1 -> 163	12/29/2016 10:09 PM	4.983	9/	0.45 180.1 -> 105][MDA-D5	185.1 -> 168	4.940	253731
MDEA	208.1 -> 163	12/29/2016 10:09 PM			208.1 -> 105.	5	MDEA-D6	214.2 -> 166	5.221	530971
MDMA	194.1 -> 163	12/29/2016 10:09 PM			194.1 -> 105		MDMA-D6	200.2 -> 166	5.062	52248
Meperidine	248.2 -> 220	12/29/2016 10:09 PM	5.725	2241	3.50 248.2 -> 174		Meperidine-D4	252.2 -> 224	5.581	272596
Methylphenidate	234.2 -> 84.2	12/29/2016 10:09 PM	5.727	176	0.48 234.2 -> 56.3	3	Meperidine-D4	252.2 -> 224	5.581	272596
Metoprolol	268.2 -> 116	12/29/2016 10:09 PM	5.619	24	1.40 268.2 -> 56.3	3 9.14	Meperidine-D4	252.2 -> 224	5.581	272596
Midazolam	326.1 -> 223	12/29/2016 10:09 PM	~ ***		326.1 -> 249.)	Midazolam-D4	330.1 -> 295	6.345	342100
Mirtazapine	266.2 -> 195	12/29/2016 10:09 PM	6.946	51	0.36 266.2 -> 72.3	3 0.67	Midazolam-D4	330.1 -> 295	6.345	342100
Mitragynine	399.2 -> 174	12/29/2016 10:09 PM			399.2 -> 238	~-	Carbamazepine-13C6	243.1 -> 200	6.196	10185
Normeperidine	234.1 -> 42.3	12/29/2016 10:09 PM	5.605	149	0.78 234.1 -> 160	1.31	Normeperidine-D4	238.2 -> 164		266492
Norpropoxyphene	326.2 -> 44.3	12/29/2016 10:09 PM	6.325	228	4.91 326.2 -> 252.	~!	Norpropoxyphene-D5	331.2 -> 44.3	6.182	140792
Nortriptyline	264.2 -> 91.2	12/29/2016 10:09 PM	6.336	1253	283.75 264.2 -> 233	3 1.47	Nortriptyline-D3	267.2 -> 233	6.335	407264
Ondansetron	294.2 -> 184	12/29/2016 10:09 PM	6.799	48	0.50 294.2 -> 212.	77.0	Pentazocine-13C3	289.2 -> 72.3	5.658	411093
Pentazocine	286.2 -> 218	12/29/2016 10:09 PM			286.2 -> 41.3	~	Pentazocine-13C3	289.2 -> 72.3	5.658	411093
Phenazepam	349.0 -> 206	12/29/2016 10:09 PM	6.445	2085	548.85 349.0 -> 183.	~	Phenazepam-D4	353.0 -> 183	6.567	14272
Phencyclidine	244.2 -> 86.2	12/29/2016 10:09 PM	6.033	301	1.16 244.2 -> 91.1		Phencydlidine-D5	249.2 -> 86.2	5.869	857625
Phenytoin	253.1 -> 104	12/29/2016 10:09 PM	6.194	61	0.23 253.1 -> 182		Phenytoin-D10	263.2 -> 192	6.093	15373
Prazepam	325.1 -> 271	12/29/2016 10:09 PM	6.813	19	0.32 325.1 -> 140	12.34	Prazepam-D5	330.1 -> 276	6.994	902823
Primidone	219.1 -> 91.2	12/29/2016 10:09 PM	5.607	1665	2.02 219.1 -> 162	~	Prazepam-D5	330.1 -> 276	6.994	902823
Propoxyphene	340.2 -> 58.3	12/29/2016 10:09 PM			340.2 -> 266)[Propoxyphene-D11	351.3 -> 277	6.181	218708
Protriptyline	264.2 -> 155	12/29/2016 10:09 PM	**********		264.2 -> 161		Protriptyline-D3	267.2 -> 155		338852
Pseudoephedrine	166.1 -> 148		4.782	1647	0.70 166.1 -> 133.	3 0.87	Pseudoephedrine-D3	169.1 -> 151	4.580	471924
Tapentadol	222.2 -> 107	12/29/2016 10:09 PM	300 H777		222.2 -> 121		Tapentadol-D3	225.2 -> 107	5.442	797161
Trimipramine	295.2 -> 100	12/29/2016 10:09 PM	6.432	307	7.95 295.2 -> 58.3	3	Trimipramine-D3	298.2 -> 103		16210
Verapamil	455.3 -> 165	12/29/2016 10:09 PM			455.3 -> 150)	Trimipramine-D3	298.2 -> 103	6.391	16210.
Zaleplon	306.1 -> 236		698.9	81	0.49 306.1 -> 264		Zaleplon-D4	310.2 -> 240	6.287	214318
Zoniclone	7700 1 000	12/20/2016 10:00 DM			0.00					



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Compound Method	3	p Serios Billows 14									
Name	Transition	Acq. Date-Time	F.A.	Resp.	S/N	Transition	S/N	Name	Transition	FA	Resp.
6-MAM	328.2 -> 165	12/29/2016 9:40 PM	4.852	22	√ 0.31	328.2 -> 211		6-MAM-D6	334.2 -> 165	4.871	40640
7-aminoclonazepam	286.1 -> 121	12/29/2016 9:40 PM	5.526	132	√ 2.43	286.1 -> 222		7-Aminoclonazepam-D4	290.1 -> 121	5.566	114234
Acetyl Fentanyl	323.2 -> 105	12/29/2016 9:40 PM			>	323.2 -> 188		Acetyl Fentanyl-D5	328.2 -> 105	5.724	812159
Acetyl Norfentanyl	219.1 -> 84.2	12/29/2016 9:40 PM	4.886	140	4.67	219.1 -> 56.3	1.00	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.845	400934
a-hydroxyalprazolam	325.1 -> 297	. 12/29/2016 9:40 PM	6.356	145	√ 0.65	325.1 -> 215		a-hydroxyalprazolam-D5	330.1 -> 302	6.456	32990
alpha-PVP	232.2 -> 91.0	12/29/2016 9:40 PM	5.514	62	√ 0.44	232.2 -> 77.1		alpha-PVP-d8	240.2 -> 91.1	5.492	467249
Alprazolam	309.1 -> 281	. 12/29/2016 9:40 PM	6.380	1381	√ 3.56	309.1 -> 205	1.27	Alprazolam-D5	314.1 -> 286	6.541	191220
Amphetamine	136.1 -> 91.1	12/29/2016 9:40 PM	4.788	12640	√ 4.10	136.1 -> 119	1.10	Amphetamine-D11	147.2 -> 130	4.747	128899
Bupropion	240.1 -> 184	~~~~	5.614	270	√ 1.89	240.1 -> 131	2.85	Ketamine-D4	242.1 -> 129	5.329	264836
Carisoprodol	261.2 -> 176	12/29/2016 9:40 PM			Λ	261.2 -> 55.3		Carisoprodol-D7	268.2 -> 183	6.163	311561
Citalopram	325.2 -> 109	12/29/2016 9:40 PM	*********		>	325.2 -> 262		Citalopram-D6	331.2 -> 109	6.029	610989
Clonazepam	316.1 -> 269	12/29/2016 9:40 PM	6.540	491	1.50	316.1 -> 213	0.68	Clonazepam-D4	320.1 -> 217	6.398	20017
Codeine	300.2 -> 215	. 12/29/2016 9:40 PM	4.958	8007	72.77	300.2 -> 165	225.96	Codeine-D6	306.2 -> 218	4.733	30477
Cyclobenzaprine	276.2 -> 214	. 12/29/2016 9:40 PM	6.324	85	₹ 0.24	276.2 -> 231	0.87	Cyclobenzaprine-D3	279.2 -> 215	6.282	360484
Dextromethorphan	272.2 -> 171	. 12/29/2016 9:40 PM	6.040	318729	171.02	272.2 -> 147	1064	Dextromethorphan-D3	275.2 -> 171	6.040	179503
Dextrorphan	258.2 -> 157	. 12/29/2016 9:40 PM	5.004	14	$\sqrt{\ 0.35}$	258.2 -> 133		Dextrorphan-D3	261.2 -> 157	5.388	200039
Diazepam	285.1 -> 193	. 12/29/2016 9:40 PM	6.729	294	√ 0.48	285.1 -> 153	0.63	Diazepam-D5	290.1 -> 198	6.768	170181
Dihydrocodeine	302.2 -> 198	. 12/29/2016 9:40 PM	4.774	117	√ 0.43	302.2 -> 128		Dihydrocodeine-D6	308.2 -> 202	4.692	107141
Diphenhydramine	256.2 -> 167	. 12/29/2016 9:40 PM	6.022	828	√ 0.38	256.2 -> 152		Diphenhydramine-D3	259.2 -> 167	5.981	11442
Doxylamine	271.2 -> 182	. 12/29/2016 9:40 PM	5.651	16714	196.32	271.2 -> 167	948.13	Doxylamine-D5	276.2 -> 187	5.650	920359
EDDP	279.2 -> 235	. 12/29/2016 9:40 PM	6.058	26	extstyle extstyle / extstyle 0.55	279.2 -> 250	0.78	EDDP-D3	282.2 -> 235	6.038	64570
Fentanyl	337.2 -> 105	. 12/29/2016 9:40 PM	5.987	96	√ 0.80	337.2 -> 188		Fentanyl-D5	342.3 -> 105	5.926	753233
Fluoxetine	310.1 -> 44.3	12/29/2016 9:40 PM	6.297	465	√ 0.89	310.1 -> 148	0.83	Fluoxetine-D6	316.2 -> 44.3	6.256	933160
Hydrocodone	300.2 -> 198	. 12/29/2016 9:40 PM	4.978	272118	Infinity	300.2 -> 128	Infinity	Hydrocodone-D6	306.2 -> 202	4.955	158876
Hydromorphone	286.2 -> 184		/ 4,476	25	38.75	286.2 ->		Hydromorphone-D6	^		74370
Ketamine	238.1 -> 125		5.309	1623	99.0 >	238.1 -> 220	0.51	Ketamine-D4	<u>^</u>		264836
Meprobamate	219.1 -> 158		5.841	513	√ 0.41	219.1 -> 97.1	0.69	Meprobamate-D7	226.2 -> 165		75627
Methadone	310.2 -> 265		6.501	1905	√ 0.97	310.2 -> 105	0.48	Methadone-D9	319.3 -> 268	6.317	790166
Methamphetamine	150.1 -> 91.1	12/29/2016 9:40 PM	5.008	√250361	Infinity	150.1 -> 119		Methamphetamine-D11	161.2 -> 97.1	4.927	411967
Morphine	286.2 -> 201		4.095	48889	46.43	286.2 -> 165	57.20	Morphine-D6	292.2 -> 152	4.350	6677
Naloxone	328.2 -> 309		4.872	469	√ 0.35	328.2 -> 211		Naloxone-D5	333.2 -> 315	4.973	161
Naltrexol	344.2 -> 326		4.810	4226	13.31	344.2 -> 308	>	Naltrexol-D3	347.2 -> 329	4.890	260606
Naltrexone	342.2 -> 324	. 12/29/2016 9:40 PM	4.871	82		342.2 -> 55.3		Naloxone-D5	333.2 -> 315	4.973	161
Norbuprenorphine	414.3 -> 101	. 12/29/2016 9:40 PM	5.822	√ 118	XX 6.31	414.3 -> 57.3	0.50	Norbuprenorphine-D3	417.3 -> 101	5.801	30281
Nordiazepam	271.1 -> 140	. 12/29/2016 9:40 PM	6.692	21	√ 0.13	271.1 -> 208		Nordiazepam-D5	276.1 -> 140	6.630	52964
Norfentanyl	233.2 -> 84.2	12/29/2016 9:40 PM	5.330	103	√ 0.57	233.2 -> 55.3	0.61	Norfentanyl-D5	238.2 -> 84.2	5.309	602989
Norhydrocodone	286.2 -> 199	. 12/29/2016 9:40 PM	4.940	89	√ 0.57	286.2 -> 171		Norhydrocodone-D3	289.2 -> 202	4.919	61416
Noroxycodone	302.1 -> 284	. 12/29/2016 9:40 PM	5.240	550	J 1.28	302.1 -> 186	7.53	Noroxycodone-D3	305.2 -> 287	4.855	108384
O-desmethyl-tramadol	250.2 -> 58.3	12/29/2016 9:40 PM	4.924	1300	/ 1.57	250.2 -> 42.3	2.16	O-desmethyl-tramadol	256.2 -> 64.3	4.904	678045
Oxazepam	287.1 -> 240				,,,,	287.1 -> 268		Oxazepam-D5		6.463	47756
Oxycodone	316.2 -> 298		5.136	49	√ 0.39	316.2 -> 241	0.48	Oxycodone-D6	322.2 -> 304	4.873	207778
Oxymorphone	302.1 -> 284	********	4.473	106	69.0	302.1 -> 227	0.20	- 1	305.2 -> 287	4.204	205787
Phentermine	150.1 -> 65.2	12/29/2016 9:40 PM	5.008	52968	- 1	150.1 -> 133	0.09		155.2 -> 96.2	5.089	354137
Promethazine	285.1 -> 86.2	I	6.260	754	4 1.83	285.1 -> 71.3	0.64	Promethazine-D3	288.2 -> 89.2	6.239	11355
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	Compound Method	ро	p1 external control a	p1 exteri	nal control	a Resu	p1 external control a Resu Qualifier 1 M Qualifi	Qualifi	ISTD Method		ISTD Results	(esults
	Name	Transition	Acq. Date-Time	FA	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
1	Sertraline	306.1 -> 158	306.1 -> 158 12/29/2016 9:40 PM	6.523	20	√ 0.29	50 \(\sqrt{0.29} \) 306.1 -> 275		2.42 Sertraline-D3	309.1 -> 275 6.481	6.481	264842
	Sufentanil	387.2 -> 238	387.2 -> 238 12/29/2016 9:40 PM	6.189	835	121.69	121.69 387.2 -> 111 7 1.77 Sufentanil-D5	7.11	Sufentanil-D5	392.2 -> 238 6.148	6.148	450813
	Temazepam	301.1 -> 255	301.1 -> 255 12/29/2016 9:40 PM			~	301.1 -> 283	erecescoen.	Temazepam-D5	306.1 -> 260 6.584	6.584	329030
	Tramadol	264.2 -> 58.3	264.2 -> 58.3 12/29/2016 9:40 PM	5.427	3721	√ 1.72	3721 / 1.72 264.2 -> 43.3	0.38	0.38 Tramadol-13C-D3	268.2 -> 58.3 5.407	5.407	915350
	Trazodone	372.2 -> 176	372.2 -> 176 12/29/2016 9:40 PM	6.027	12165	728.29	728.29 372.2 -> 148		2809 Sufentanil-D5	392.2 -> 238 6.148	6.148	450813
	Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 12/29/2016 9:40 PM	5.896	341	√ 0.51	341		Venlafaxine-D6	284.2 -> 64.3 5.773	5.773	778538
	Zolpidem	308.2 -> 235	308.2 -> 235 12/29/2016 9:40 PM	5.871	895	7 1.57	895 🗸 1.57 308.2 -> 263		75.45 Zolpidem-D6	314.2 -> 235 5.748	5.748	633569



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Fame Page	Trai 284.1		RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
ydiroxymidazolam 284.1 > 135., 12/29/2016 9:50 PM 6.487 6.2 ydiroxymidazolam 342.1 > 324., 12/29/2016 9:50 PM 6.487 6.2 ydiroxymidazolam 342.1 > 212/29/2016 9:50 PM 6.487 6.2 ydire 314.1 > 212., 12/29/2016 9:50 PM 6.531 13 azepionie 290.1 > 168., 12/29/2016 9:50 PM 6.531 13 azepionie 200.1 > 168., 12/29/2016 9:50 PM 6.531 212 azepoxide 300.1 > 227., 12/29/2016 9:50 PM 6.531 212 amine 315.2 > 86.2 12/29/2016 9:50 PM 6.539 212 amine 304.2 > 12/29/2016 9:50 PM 6.315 √2.230 mine 200.1 > 227., 12/29/2016 9:50 PM 6.315 √2.230 amine 200.1 > 220.1 12/29/2016 9:50 PM 6.472 113 amine 200.2 > 107., 12/29/2016 9:50 PM 6.474 113 amine 200.2 > 107., 12/29/2016 9:50 PM 6.474 113 amine 200.2 > 107., 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 200.1 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 200.1 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 200.1 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 12/29/2016 9:50 PM 6.474 113 amine 200.1 > 12/29/2016 9:50 PM 6.476 1053 line 200.1 > 160., 12/29/2016 9:50 PM 6.476 1053 line 200.1 > 160., 12/29/2016 9:50 PM 6.476 1053 line 200.1 > 160., 12/29/2016 9:50 PM 6.476 1053 line 200.2 > 100., 12/29/2016 9:50 PM 6.476 1053 line 200.3 > 100., 12/29/2016 9:50 PM 6.476 1053 line 200.4 > 160., 12/29/2016 9:50 PM 6.476 1053 look = 200.4 > 160., 12/29/2016 9:50 PM 6.48 85 look = 200.4 > 100., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 100., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 100., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM 6.48 85 look = 200.2 > 200., 12/29/2016 9:50 PM	284.1			, and a second	1		The state of the s				
ydroxymidazolam 342.1 > 324. 12/29/2016 9:50 PM 6.487 6.2 yline			5.761	667	استنت	284.1 -> 93.2	7 1.04	7-aminoflunitrazepam-D7	291.2 -> 138	5.740	207297
yline 278.2 ~ 91.2 12/29/2016 9:50 PM 6.531 266 legoponine 314.1 ~ 271 12/29/2016 9:50 PM 6.531 266 legoponine 237.1 - 193 12/29/2016 9:50 PM 6.539 21.3 araepoxide 300.1 ~ 168 12/29/2016 9:50 PM 6.539 21.3 araepoxide 300.1 ~ 168 12/29/2016 9:50 PM 6.539 21.3 araepoxide 300.1 ~ 227 12/29/2016 9:50 PM 6.512 39 21.3 araine 315.2 ~ 86.2 12/29/2016 9:50 PM 6.512 580 39 304.2 ~ 182 12/29/2016 9:50 PM 6.512 239 3 44.3 araine 280.2 ~ 107 12/29/2016 9:50 PM 6.415 20.3 araine 280.2 ~ 107 12/29/2016 9:50 PM 6.415 20.3 araine 280.2 ~ 107 12/29/2016 9:50 PM 6.415 20.3 araine 280.2 ~ 107 12/29/2016 9:50 PM 6.415 20.3 araine 280.2 ~ 107 12/29/2016 9:50 PM 6.474 113 araepoxide 206.1 ~ 91.2 12/29/2016 9:50 PM 6.474 113 araepoxide 206.1 ~ 91.2 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 91.2 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 91.2 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 91.2 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 91.2 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 146 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 146 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 146 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 146 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.63 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 144 12/29/2016 9:50 PM 6.476 10.2 araine 280.2 ~ 12/29/2016 9:50 PM 6.476 10.2 ara			6.487	62	0.91	342.1 -> 203		alpha-hydroxymidazolam	346.1 -> 328	6.445	349252
14.1 -> 271. 12/29/2016 9:50 PM 6.531 266 14.1 -> 271. 12/29/2016 9:50 PM 6.513 13 14.2		~~~~	6.476	1053	0.69 27	278.2 -> 105		Amitriptyline-D3	281.2 -> 91.2	6.353	301955
legonine 290 1 ~> 168. 12/29/2016 9:50 PM 5 513 13 lezepine 237.1 ~> 183 12/29/2016 9:50 PM 6.339 212 azzepoxide 300.1 ~> 86.2 12/29/2016 9:50 PM 6.472 580 amine 304.2 ~> 182 12/29/2016 9:50 PM 6.452 39 amine 304.2 ~> 182 12/29/2016 9:50 PM 6.415 203 amine 267.2 ~> 72.3 12/29/2016 9:50 PM 6.415 203 amine 267.2 ~> 72.3 12/29/2016 9:50 PM 6.415 203 amine 267.2 ~> 72.3 12/29/2016 9:50 PM 6.415 203 amine 288.2 ~> 107 12/29/2016 9:50 PM 6.476 103 pan 388.2 ~> 316 12/29/2016 9:50 PM 6.374 2627 sole 206.1 ~> 163 12/29/2016 9:50 PM 6.374 2627 line 281.2 ~> 91.2 12/29/2016 9:50 PM 6.374 2627 sole 206.1 ~> 163 12/29/2016 9:50 PM 6.374 2627 line			6.531	266		314.1 -> 193	37.40	Amitriptyline-D3	281.2 -> 91.2	6.353	301955
azepine 237.1 -> 193. 12/29/2016 9:50 PM 6.339 212 azepoxide 300.1 -> 227. 12/29/2016 9:50 PM 6.472 580 amine 304.2 -> 18.2 12/29/2016 9:50 PM 6.592 39 amine 304.2 -> 18.2 12/29/2016 9:50 PM 6.593 43 amine 267.2 -> 72.3 12/29/2016 9:50 PM 6.415 203 am 295.1 -> 267. 12/29/2016 9:50 PM 6.415 203 am 295.1 -> 267. 12/29/2016 9:50 PM 6.474 113 pam 38.2 -> 315. 12/29/2016 9:50 PM 6.476 105 pam 38.2 -> 315. 12/29/2016 9:50 PM 6.476 1053 pam 38.2 -> 315. 12/29/2016 9:50 PM 6.476 1053 pam 38.2 -> 315. 12/29/2016 9:50 PM 6.476 1053 pam 28.1 -> 52. 12/29/2016 9:50 PM 6.476 1053 pam 28.1 -> 91.2 12/29/2016 9:50 PM 6.476 1053 pam 28.2 -> 16.			5.513	13	0.24 29	290.1 -> 105	2.08	Benzoylecgonine-D8	298.2 -> 171	5.370	5067
azepoxide 300.1 ~> 227. 12/29/2016 9:50 PM 6.472 580 amine 315.2 ~> 86.2 12/29/2016 9:50 PM 6.592 39 amine 230.2 ~> 12/29/2016 9:50 PM 6.593 443 mine 280.2 ~> 172.3 12/29/2016 9:50 PM 6.474 113 am 295.1 ~> 267 12/29/2016 9:50 PM 6.474 113 zepam 314.1 ~> 268 12/29/2016 9:50 PM 6.474 113 zepam 295.1 ~> 267 12/29/2016 9:50 PM 6.476 105 pam 388.2 ~> 315 12/29/2016 9:50 PM 6.476 1053 pine 205.1 ~> 91.2 12/29/2016 9:50 PM 6.476 1063 pine 208.1 ~> 163 12/29/2016 9:50 PM 6.476 1063 pine 288.2 ~> 31.2 12/29/2016 9:50 PM 6.476 1063 pine 288.2 ~> 16 12/29/2016 9:50 PM 6.476 1063 pine 288.2 ~> 16 12/29/2016 9:50 PM 6.476 1063 pine 288.2 ~> 16 <td< td=""><td></td><td></td><td>6.339</td><td>212</td><td></td><td>237.1 -> 194</td><td></td><td>Carbamazepine-13C6</td><td>243.1 -> 200</td><td>6.196</td><td>10056</td></td<>			6.339	212		237.1 -> 194		Carbamazepine-13C6	243.1 -> 200	6.196	10056
amine 315.2 ~ 86.2 12/29/2016 9:50 PM 6:592 39 aminine 204.2 ~ 182 12/29/2016 9:50 PM 6:315 J 2/230 minine 2057.2 ~ 77.3 12/29/2016 9:50 PM 6:415 J 2033 am 280.2 ~ 107 12/29/2016 9:50 PM 6.474 113 zepam 314.1 ~ 288 12/29/2016 9:50 PM 6.474 113 zepam 314.1 ~ 288 12/29/2016 9:50 PM 6.474 113 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.474 113 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.474 113 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.474 113 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.476 1053 line 28.1 2 ~ 86.2 12/29/2016 9:50 PM 6.476 1053 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.476 1053 line 28.2 ~ 312 12/29/2016 9:50 PM 5.203 68 zepam 38.2 ~ 315 12/29/2016 9:50 PM 6.476 1053 zepam 28.2 ~ 312 12/29/2016 9:50 PM 6.476 1053 zepam 38.2 ~ 312 12/29/2016 9:50 PM 6.476 1053 zepam 38.2 ~ 314 12/29/2016 9:50 PM 6.476 1053 zepam 38.2 ~ 314 12/29/2016 9:50 PM 6.48 85 zepam 38.2 ~ 314 12/29/2016 9:50 PM 6.48 85 zepam 38.2 ~ 314 12/29/2016 9:50 PM 6.48 85 zepam 38.2 ~ 314 12/29/2016 9:50 PM 6.38 809 zepton 28.4 ~ 34 12/29/2016 9:50 PM 6.38 809 zepton 29.			6.472	280		300.1 -> 282		Chlordiazepoxide-D5	305.1 -> 286	6.533	236876
mine 26.7.2 -> 72.3 12/29/2016 9:50 PM 6:315	***********	******	6.592	39	0.56 37	315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.530	10382
nmine 267.2 → 72.3 12/29/2016 9:50 PM 6.315	уун ого		5.293	. 443	1.40 30	304.2 -> 105	********	Cocaine-D3	307.2 -> 185	5.572	496523
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ine 234.1 -> 42.3 12/29/2016 9:50 PM 6.118 94 5.605 above a size 2> 44.3 12/29/2016 9:50 PM 6.284 85 5.605 above a size 2> 44.3 12/29/2016 9:50 PM 6.284 85 5.602 above a size 2> 44.3 12/29/2016 9:50 PM 6.336 809 5.42 -> 91.2 12/29/2016 9:50 PM 6.336 809 5.42 -> 12/29/2016 9:50 PM 6.445 1629 5.607 above a size 244.2 -> 86.2 12/29/2016 9:50 PM 6.445 1629 5.91 above a size 244.2 -> 86.2 12/29/2016 9:50 PM 6.956 128 5.91 128 5.91 12/29/2016 9:50 PM 6.956 34 354 5.22.2 -> 107 12/29/2016 9:50 PM 6.336 342 5.22.2 -> 107 12/29/2016 9:50 PM 6.432 342 5.22.2 -> 107 107/20/2016 9:50 PM 6.432 342 5.22.2 -> 107 107/20/2016 9:50 PM 6.	266.2 ->		6.417	282	0.50 26	266.2 -> 72.3	0.40	Midazolam-D4	330.1 -> 295	6.345	287786
234.1->42.3 12/29/2016 9:50 PM 6.284 85 826.2->44.3 12/29/2016 9:50 PM 6.284 85 809 804.2->91.2 12/29/2016 9:50 PM 6.336 809 809 804.2->91.2 12/29/2016 9:50 PM 6.336 809 809 809.286.2->218 12/29/2016 9:50 PM 6.336 809 809 286.2->218 12/29/2016 9:50 PM 6.445 1629 842.2->86.2 12/29/2016 9:50 PM 5.930 95 824.2->86.2 12/29/2016 9:50 PM 5.930 95 825.1->104 12/29/2016 9:50 PM 6.956 128 825.1->104 12/29/2016 9:50 PM 6.956 128 80 80 80 80 80 80 80 80 80 80 80 80 80			6.118	94	1.15 38	399.2 -> 238		Carbamazepine-13C6	243.1 -> 200	6.196	10056
326.2 -> 44.3 12/29/2016 9:50 PM 6.284 85 809 264.2 -> 91.2 12/29/2016 9:50 PM 6.336 809 809 294.2 -> 184 12/29/2016 9:50 PM 6.336 809 286.2 -> 218 12/29/2016 9:50 PM 6.445 102 286.2 -> 218 12/29/2016 9:50 PM 6.445 1629 244.2 -> 86.2 12/29/2016 9:50 PM 5.930 95 244.2 -> 86.2 12/29/2016 9:50 PM 5.930 95 253.1 -> 104 12/29/2016 9:50 PM 6.956 128 325.1 -> 91.2 12/29/2016 9:50 PM 6.956 128 325.1 -> 91.2 12/29/2016 9:50 PM 6.956 128 34 20.2 -> 58.3 12/29/2016 9:50 PM 6.336 80 264.2 -> 155 12/29/2016 9:50 PM 6.336 80 264.2 -> 107 12/29/2016 9:50 PM 6.336 3014 222.2 -> 107 12/29/2016 9:50 PM 6.336 3014 222.2 -> 107 12/29/2016 9:50 PM 6.32 342 355.2 -> 107 12/29/2016 9:50 PM 6.32 342 355.2 -> 107 12/29/2016 9:50 PM 6.35 342 355.2 -> 107 12/29/2016 9:50 PM 6.32 342 342 355.2 -> 107 12/29/2016 9:50 PM 6.32 342 342 355.2 -> 107 12/29/2016 9:50 PM 6.32 342 342 342 342 342 342 342 342 342 3	ine		5.605	877		234.1 -> 160	2.79	Normeperidine-D4	238.2 -> 164	5.583	210571
264.2 -> 91.2 12/29/2016 9:50 PM 6.336 809 824.2 -> 184 12/29/2016 9:50 PM 6.474 102 286.2 -> 218 12/29/2016 9:50 PM 6.445 102 244.2 -> 286.2 12/29/2016 9:50 PM 6.445 1629 244.2 -> 86.2 12/29/2016 9:50 PM 6.345 1629 244.2 -> 86.2 12/29/2016 9:50 PM 6.956 128 253.1 -> 104 12/29/2016 9:50 PM 6.956 128 255.1 -> 271 12/29/2016 9:50 PM 6.956 128 219.1 -> 91.2 12/29/2016 9:50 PM 6.356 1220 240.2 -> 58.3 12/29/2016 9:50 PM 6.356 80 6.405 264.2 -> 155 12/29/2016 9:50 PM 6.336 80 264.2 -> 155 12/29/2016 9:50 PM 6.336 3014 222.2 -> 107 12/29/2016 9:50 PM 6.32 342 252.2 -> 100 12/29/2016 9:50 PM 6.32 342 255.2 -> 165 12/29/2016 9:50 PM 6.32 342 342 354 354 354 354 354 354 354 354 354 354			6.284	85	2.91 33	326.2 -> 252	3.64	Norpropoxyphene-D5	331.2 -> 44.3	6.202	130237
on 294.2 -> 184 12/29/2016 9:50 PM 6:474 102 line 286.2 -> 218 12/29/2016 9:50 PM 6.445 1629 am 349.0 -> 206 12/29/2016 9:50 PM 6.445 1629 line 244.2 -> 86.2 12/29/2016 9:50 PM 5.930 95 253.1 -> 104 12/29/2016 9:50 PM 6.956 128 253.1 -> 219.1 -> 212 12/29/2016 9:50 PM 6.956 128 a25.1 -> 271 12/29/2016 9:50 PM 6.956 128 lene 340.2 -> 58.3 12/29/2016 9:50 PM 6.405 34 lene 264.2 -> 155 12/29/2016 9:50 PM 6.336 80 hedrine 166.1 -> 148 12/29/2016 9:50 PM 6.432 3014 line 295.2 -> 100 12/29/2016 9:50 PM 6.432 342 455.3 -> 166 12/29/2016 9:50 PM 6.432 342 455.3 -> 166 12/29/2016 9:50 PM 6.432 342			6.336	608	1.09 26	264.2 -> 233	1.1	Nortriptyline-D3	267.2 -> 233	6.335	316068
am 349.0 -> 218 12/29/2016 9:50 PM 6.445 1629 line 244.2 -> 86.2 12/29/2016 9:50 PM 6.445 1629 line 224.2 -> 86.2 12/29/2016 9:50 PM 5.930 95 253.1 -> 104 12/29/2016 9:50 PM 6.956 128 325.1 -> 271 12/29/2016 9:50 PM 6.956 128 219.1 -> 91.2 12/29/2016 9:50 PM 6.956 128 lee 264.2 -> 58.3 12/29/2016 9:50 PM 6.336 80 lee 264.2 -> 155 12/29/2016 9:50 PM 6.336 80 lee 264.2 -> 155 12/29/2016 9:50 PM 6.336 3014 line 225.2 -> 107 12/29/2016 9:50 PM 6.432 342 line 295.2 -> 100 12/29/2016 9:50 PM 6.432 342			6.474	102	0.90 28	294.2 -> 212	1.07	Pentazocine-13C3	289.2 -> 72.3	5.658	314218
am 349.0 -> 206 12/29/2016 9:50 PM 6.445 1629 line 244.2 -> 86.2 12/29/2016 9:50 PM 5.930 95 253.1 -> 104 12/29/2016 9:50 PM 5.971 128 325.1 -> 271 12/29/2016 9:50 PM 6.956 128 219.1 -> 91.2 12/29/2016 9:50 PM 6.956 128 lee 264.2 -> 158 12/29/2016 9:50 PM 6.336 80 hedrine 166.1 -> 148 12/29/2016 9:50 PM 6.336 80 line 225.2 -> 107 12/29/2016 9:50 PM 6.432 342 line 295.2 -> 100 12/29/2016 9:50 PM 6.432 342 455.3 -> 165 12/29/2016 9:50 PM 6.432 342	· Secretaria				28	286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.658	314218
line 244.2 -> 86.2 12/29/2016 9:50 PM 5.930 253.1 -> 104 12/29/2016 9:50 PM 5.971 1 325.1 -> 271 12/29/2016 9:50 PM 6.956 1 219.1 -> 91.2 12/29/2016 9:50 PM 6.405 12 219.1 -> 91.2 12/29/2016 9:50 PM 6.405 12 12/29/2016 9:50 PM 6.336 14 12/29/2016 9:50 PM 6.336 166.1 -> 148 12/29/2016 9:50 PM 6.336 166.1 -> 148 12/29/2016 9:50 PM 6.32 3 12			6.445	1629	48.61 34	349.0 -> 183	- -	Phenazepam-D4	353.0 -> 183	6.566	13068
253.1 -> 104 12/29/2016 9:50 PM 5.971 325.1 -> 271 12/29/2016 9:50 PM 6.956 219.1 -> 91.2 12/29/2016 9:50 PM 6.956 lene 340.2 -> 58.3 12/29/2016 9:50 PM 6.405 le 264.2 -> 155 12/29/2016 9:50 PM 6.336 ledrine 166.1 -> 148 12/29/2016 9:50 PM 7.02 line 295.2 -> 107 12/29/2016 9:50 PM 6.432 line 295.2 -> 100 12/29/2016 9:50 PM 6.432			5.930	95		244.2 -> 91.1	0.23	Phencydlidine-D5	249.2 -> 86.2		718410
325.1 -> 271 12/29/2016 9:50 PM 6.956 219.1 -> 91.2 12/29/2016 9:50 PM 5.607 1219.1 -> 91.2 12/29/2016 9:50 PM 6.405 1222.2 -> 155 12/29/2016 9:50 PM 6.336 1222.2 -> 107 12/29/2016 9:50 PM 6.336 166.1 -> 148 12/29/2016 9:50 PM 6.336 167.2 -> 107 12/29/2016 9:50 PM 6.432 168.2 -> 100 12/29/2016 9:50 PM 6.432 169.2 -> 100 12/29/2016 9:50 PM 6.432 1729/2016 9:50 PM 6.43	253.1 ->		5.971	128		253.1 -> 182		Phenytoin-D10	263.2 -> 192	6.093	12280
lene 340.2 -> 58.3 12/29/2016 9:50 PM 5.607 lear	325.1 ->		6.956	128	0.61 3	325.1 -> 140		Prazepam-D5	330.1 -> 276	6.994	760788
340.2 -> 58.3 12/29/2016 9:50 PM 6.405 264.2 -> 155 12/29/2016 9:50 PM 6.336 line 166.1 -> 148 12/29/2016 9:50 PM 4.702 222.2 -> 107 12/29/2016 9:50 PM 5.524 295.2 -> 100 12/29/2016 9:50 PM 6.432 455.3 -> 165 12/29/2016 9:50 PM 6.432	219.1 -> (*******	5.607	1220	1.31 2	219.1 -> 162		Prazepam-D5	330.1 -> 276	6.994	760788
ine 166.1 -> 155 12/29/2016 9:50 PM 6.336 166.1 -> 148 12/29/2016 9:50 PM 4.702 222.2 -> 107 12/29/2016 9:50 PM 5.524 295.2 -> 100 12/29/2016 9:50 PM 6.432 455.3 -> 165 12/29/2016 9:50 PM 6.432	eeeeeeeee		6.405	34	0.71 3	340.2 -> 266	1.87	Propoxyphene-D11	351.3 -> 277	6.181	188173
edrine 166.1 -> 148 12/29/2016 9:50 PM 4.702 222.2 -> 107 12/29/2016 9:50 PM 5.524 e 295.2 -> 100 12/29/2016 9:50 PM 6.432 455.3 -> 165 12/29/2016 9:50 PM 6.432 a 455.3 -> 165 12/29/2016 9:50 PM 6.432	стинен		6.336	80	0.24 26	264.2 -> 161	2.12	Protriptyline-D3	267.2 -> 155	6.274	264570
222.2 -> 107 12/29/2016 9:50 PM 5:524 295.2 -> 100 12/29/2016 9:50 PM 6.432 455.3 -> 165 12/29/2016 9:50 PM 6.32	drine		4.702	3014	0.71 16	166.1 -> 133	0.74	Pseudoephedrine-D3	169.1 -> 151		452078
ine 295.2 -> 100 12/29/2016 9:50 PM 6.432 455.3 -> 165 12/29/2016 9:50 PM	nanaaa	*******	5.524	354	2.20 23	222.2 -> 121	0.69	Tapentadol-D3	225.2 -> 107	5.442	655392
455.3 -> 165 12/29/2016 9:50 PM			6.432	342	1.33 29	295.2 -> 58.3		Trimipramine-D3	298.2 -> 103	6.391	12442
000 4 100000000 40000000 E 0000	455.3 ->				4	455.3 -> 150		Trimipramine-D3	298.2 -> 103	6.391	12442
300.1 -> 230 12/23/2010 9:30 FM 0:320	306.1 ->	236	6.328	41	0.53 30	^		Zaleplon-D4	4		177464
Zopiclone 389.1 -> 244 12/29/2016 9:50 PM	389.1 ->	244			38	389.1 -> 216		Zopiclone-D4	393.1 -> 244	5.733	148296



ISP Forensic Services: Toxicology Discipline

Comments:

THC and Metabolites Screen in Blood by LC-MS/MS

	Extraction Da	nte: 12-29-16	Analyst: Anne N	10rd		
PRE-AN	ALYTIC					
		90364	Plate. Exp.	9-21-201>		
$\sqrt{1}$.	Ensure all solutions are with	V				
	Mobile Phase A:		0.1% Formic Acid	in		
	10mM Amm Formate		water			
	Mobile Phase B:		MTBE			
	0.1% FA in MeOH					
	Blank/Negative Blood	Lot #: <u>32/632</u>	Hexane			
ſ	Column: Phenomenex Phenomenex Phenomenex	nyl Hexyl (4.6 x 50mm;	2.6um)			
√ 2.	Check levels of mobile phase	ses and needle wash and	refill as necessary. Ens	ure waste is not full.		
√ 3.	Begin mobile phase flow an	d allow system to equili	orate for approx. 30 min	a. Is pressure stable? Y/N		
√ 4.	Create worklist. Data path	name: 12-29-16 A	MN blood screen /	4M25-26		
ANALY	ΓIC					
√ 1.	Remove standards plate, b	lood, and samples from o	old storage. Allow to r	each room temperature.		
-√ 2.	Add 1000 µL blood to we	lls of analytical (standard	s) plate. Mix via aspira	ate and dispense.		
	 Blank blood for lo 	cations containing standa	ards/QCs and internal st	andards		
,	 Sample blood for l 	locations containing only	internal standards			
$\sqrt{}$ 3.	Place on shaking incubator at ambient temp., 900rpm for 15 minutes . Shaker ID 66759					
√ 4.	Pipette 500µL 0.1% formic acid to all wells of standards plate.					
√ 5.	Place on shaking incubator at ambient temp., 900rpm for 15 minutes.					
· 6.	Transfer 800µL of blood+	acid mixture to correspo	nding wells of SLE+ pla	ate.		
7.	Apply positive pressure for	r approx. 4 seconds (or u	ntil no liquid remains or	n top of sorbent).		
- /		SI- Selector to the right)	Pressure manifold I	D 66729		
7	Wait 5 min.					
<u> </u>	Add 2.25mL MTBE and a	•	•	• ,		
<u> </u>	Apply positive pressure for	r approx. 15 seconds. (1)	0-15 PSI- Selector to th	e left)		
$\sqrt{}$ 10.	Add 2.25mL Hexane and	allow to flow under grav	ty for 5 minutes. (add i	n 3 increments of 750uL)		
	Apply positive pressure for	r approx. 15 seconds. (1	0-15 PSI- Selector to th	he left)		
12.	Remove plate containing e	luate. Place on SPE Dry	and evaporate to drynes	ss at approx. 35°C.		
m	SPE Dry ID 66819					
<u> </u>	Reconstitute in 100 μL 100	1% MeOH and heat seal	plate with foil. Place in	n autosampler and run worklist.		
POST-AN	NALYTIC					
1.	Open quantitation software	and create a new quanti	ation batch. Batch nam	ne: 122916 can screen		
2.	Make any necessary integra	ation changes.				
√ 3.	For unknown samples, calc time of calibrators?	culated concentration > 3	ng THC, THC-OH > 5n	ng Carboxy-THC +/- 2% retention		
√ 4.	Did QCs pass for each anal	yte? (Y) N				
5.	Central File Packet to i	nclude: LIMS W	orklist: Meth	od Checklist Calibration		

A

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

 Analysis Time
 12/30/2016 10:53 AM
 Analyst Name
 ISP Tox

 Report Time
 12/30/2016 10:58 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 12/30/2016 10:53 AM
 Batch State
 Processed

Analysis Info

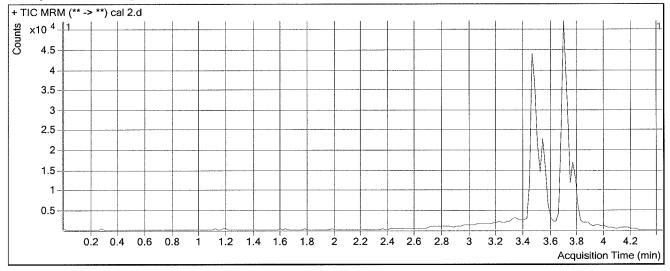
Acq Time2016-12-29 16:15Data Filecal 2.dSample TypeCalibrationSample Namecal 2

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-B1 **Sample Info**

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



D	00	ш	te
к	es	ш	1100

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
THC-OH	3.493	5385	128726	0.0418	5.3644	
THC-COOH	3.566	3925	43537	0.0901	5.2993	
THC	3.780	467	10301	0.0453	5.1033	



ISP cann screen report.xlsx Printed at: 11:42 AM on: 12/30/2016

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

 Analysis Time
 12/30/2016 10:53 AM
 Analyst Name
 ISP Tox

 Report Time
 12/30/2016 10:58 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 12/30/2016 10:53 AM
 Batch State
 Processed

Analysis Info

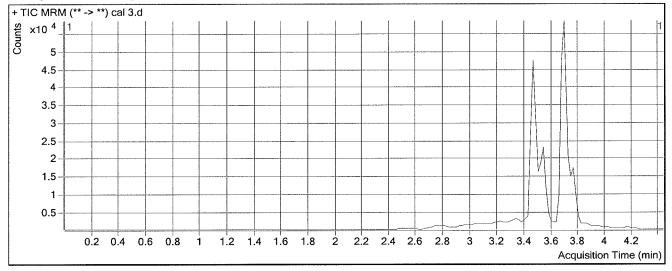
Acq Time2016-12-29 16:21Data Filecal 3.dSample TypeCalibrationSample Namecal 3

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-C1 Sample Info

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



R	es	u	lts

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	10332	128492	0.0804	9.2987
THC-COOH	3.546	7159	41370	0.1731	9.7326
THC	3.760	877	9915	0.0884	9.4394



ISP cann screen report.xlsx Printed at: 11:42 AM on: 12/30/2016

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

 Analysis Time
 12/30/2016 10:53 AM
 Analyst Name
 ISP Tox

 Report Time
 12/30/2016 10:58 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 12/30/2016 10:53 AM
 Batch State
 Processed

Analysis Info

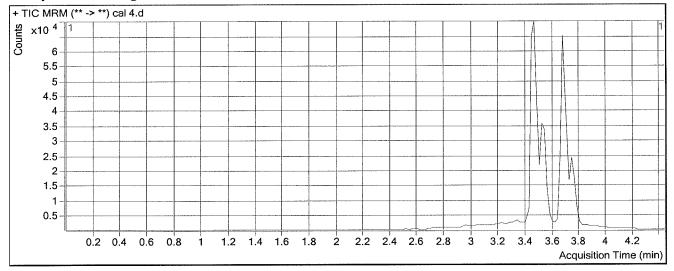
Acq Time2016-12-29 16:28Data Filecal 4.dSample TypeCalibrationSample Namecal 4

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-D1 **Sample Info**

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Doci	
KACI	ults

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	42748	186099	0.2297	24.5254
THC-COOH	3.546	24519	57261	0.4282	23.3760
THC	3.760	4128	16114	0.2562	26.3123

A

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

Analysis Time12/30/2016 10:53 AMAnalyst NameISP ToxReport Time12/30/2016 10:58 AMReporter NameISP ToxLast Calib Update12/30/2016 10:53 AMBatch StateProcessed

Analysis Info

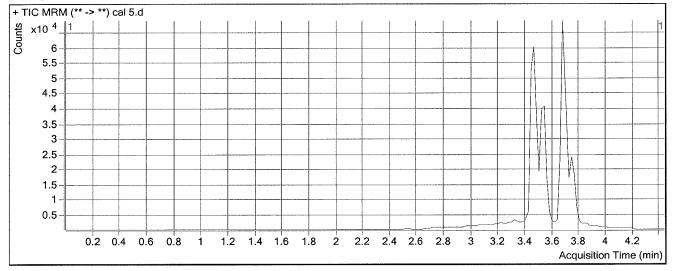
Acq Time2016-12-29 16:34Data Filecal 5.dSample TypeCalibrationSample Namecal 5

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-E1 Sample Info

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Results	R	es	ul	ts
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Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	61996	127189	0.4874	50.8115
THC-COOH	3.546	42772	44748	0.9559	51.5921
THC	3.760	5755	11910	0.4832	49.1449



Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

 Analysis Time
 12/30/2016 10:53 AM
 Analyst Name
 ISP Tox

 Report Time
 12/30/2016 10:58 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 12/30/2016 10:53 AM
 Batch State
 Processed

Analysis Info

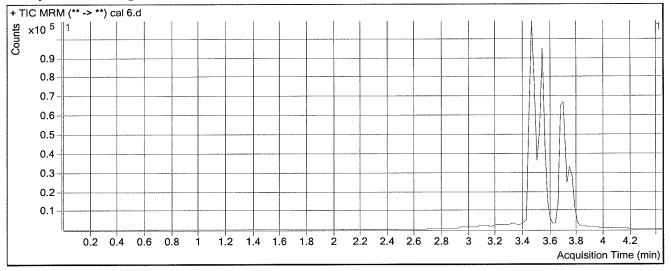
Acq Time2016-12-29 16:41Data Filecal 6.dSample TypeCalibrationSample Namecal 6

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-F1 Sample Info

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	173423	147767	1.1736	120.7979
THC-COOH	3.546	114126	50207	2.2731	122.0301
THC	3.760	17614	14430	1.2207	123.3217



Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

Analysis Time12/30/2016 10:53 AMAnalyst NameISP ToxReport Time12/30/2016 10:58 AMReporter NameISP ToxLast Calib Update12/30/2016 10:53 AMBatch StateProcessed

Analysis Info

Doculto

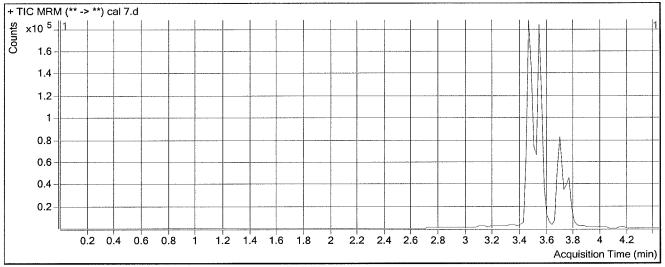
Acq Time2016-12-29 16:54Data Filecal 7.dSample TypeCalibrationSample Namecal 7

Dilution 1 Acq Method Screen THC 11102016.m

Position P1-G1 **Sample Info**

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	404870	130848	3.0942	316.6806
THC-COOH	3.546	252669	44556	5.6708	303.7182
THC	3.780	44600	13523	3.2980	332.2640



ISP cann screen report.xlsx Printed at: 11:42 AM on: 12/30/2016

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

Analysis Time12/30/2016 10:53 AMAnalyst NameISP ToxReport Time12/30/2016 10:58 AMReporter NameISP ToxLast Calib Update12/30/2016 10:53 AMBatch StateProcessed

Analysis Info

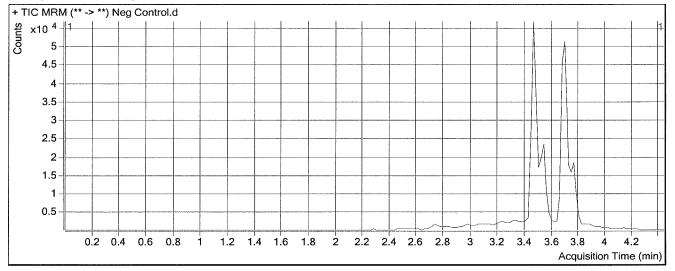
Acq Time2016-12-29 16:48Data FileNeg Control.dSample TypeSample NameNeg Control

Dilution 1 **Acq Method** Screen THC 11102016.m

Position P1-a2 Sample Info

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Results

 Compound
 RT
 Response
 ISTD Resp
 Resp Ratio
 Final Conc

 THC-OH
 3.493
 760
 156828
 0.0048
 1.5920



ISP cann screen report.xlsx Printed at: 11:42 AM on: 12/30/2016

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann screen.batch.bin

Analysis Time12/30/2016 10:53 AMAnalyst NameISP ToxReport Time12/30/2016 10:58 AMReporter NameISP ToxLast Calib Update12/30/2016 10:53 AMBatch StateProcessed

Analysis Info

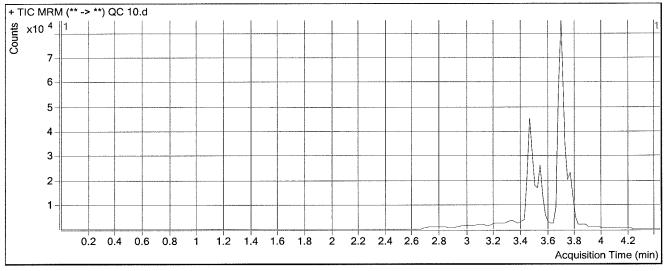
Acq Time2016-12-29 17:01Data FileQC 10.dSample TypeQCSample NameQC 10

Dilution 1 Acq Method Screen THC 11102016.m

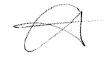
Position P1-A3 Sample Info

Inj Vol -1 Comment AM 26 Cannabionid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	10485	119008	0.0881	10.0829
THC-COOH	3.5 4 6	8559	42129	0.2032	11.3425
THC	3.780	1226	12133	0.1011	10.7079



ISP Forensics Calibration Curve Report

Batch Data Path D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann

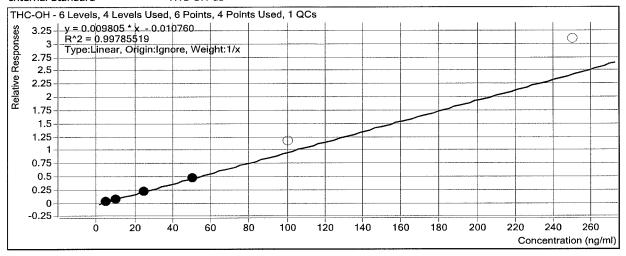
screen.batch.bin

Last Calib Update 12/30/2016 10:53 AM Analyst Name ISP TOX

Target Compound

THC-OH

Internal Standard THC-OH-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	\square	5	5.4	107.3
cal 3	3	\square	10	9.3	93.0
QC 10	3	\square	10	10.1	100.8
cal 4	4	\square	25	24.5	98.1
cal 5	5	\square	50	50.8	101.6
cal 6	6		100	120.8	120.8
cal 7	7		250	316.7	126.7



ISP Forensics Calibration Curve Report

Batch Data Path

D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann

screen.batch.bin

Last Calib Update

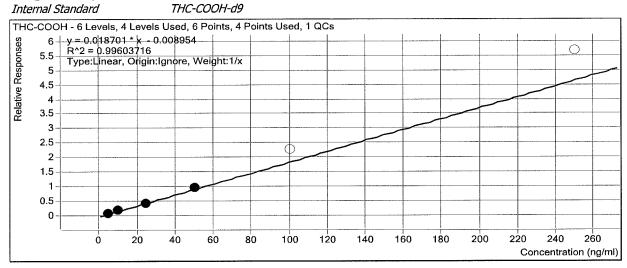
12/30/2016 10:53 AM

Analyst Name

ISP TOX

Target Compound

THC-COOH THC-COOH-d9



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	\square	5	5.3	106.0
cal 3	3	☑	10	9.7	97.3
QC 10	3	\square	10	11.3	113.4
cal 4	4	Ø	25	23.4	93.5
cal 5	5	\square	50	51.6	103.2
cal 6	6		100	122.0	122.0
cal 7	7		250	303.7	121.5



ISP Forensics Calibration Curve Report

Batch Data Path

D:\2016 Data\12-29-16 AMN blood screen AM 25-26\QuantResults\122916 cann

screen.batch.bin

Last Calib Update

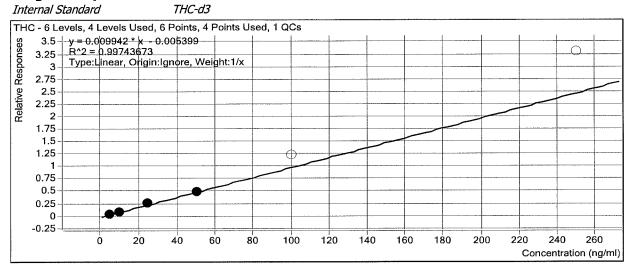
12/30/2016 10:53 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

THC



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	☑	5	5.1	102.1
cal 3	3	\square	10	9.4	94.4
QC 10	3	\square	10	10.7	107.1
cal 4	4	\square	25	26.3	105.2
cal 5	5	\square	50	49.1	98.3
cal 6	6		100	123.3	123.3
cal 7	7		250	332.3	132.9

