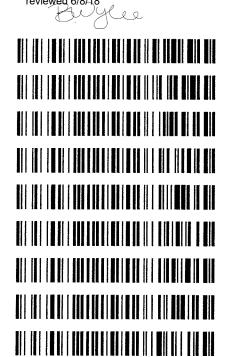
Worklist: 2447

<u>LAB CASE</u> C2018-0944	<u>ITEM</u> 1	<u>TASK ID</u> 115916	DESCRIPTION  AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-0967	1	- 116156	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-0998	1	116432	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1012	1	116962	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1014	1	116965	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1019	1	116974	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1020	1	116976	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1025	1	116997	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1057	1	117295	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo



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

		tion Date: 6 4-18 Analyst: Anni Nard
Pla	ate l	ot#: 0515207 Plate Expiration: 10/18/2018
Bl	0. ank	e phase A: 10mM Amm Form Mobile phase B: 0.1% Formic Acid in MeOH 5M Ammonium Hydroxide Ethyl Acetate LC Methanol Blood Lot: 17J20718 Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um) 6-QQQ ID: 62340
Pr	·e- <i>A</i>	analytic:
[2] [2]	1.	Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.  Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
Δı	nalv	vtie:
NOVERSION RESPONDED	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature. Pipette 250μL blood (calibrated pipette) Pipette ID: 1926134 in wells of analytical (standards) plate. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 66759 Pipette 250μL 00.5M ammonium hydroxide in wells of analytical plate. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Transfer 300μL of blood+base mixture to corresponding wells of SLE+ plate. 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: 66792 Wait 5 minutes. Add 900uL ethyl acetate. Wait 5 minutes. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left). Add 900uL ethyl acetate. Wait 5 minutes. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left). Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 66819 Reconstitute in 100μL 100% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.
Po	st-A	<u>Analytic</u>
K	1.	Open quantitation software and create a new quantitation batch.  Makes 1  Batch Name: 060418 blood screen AM 25-26 Worklist path: Makes 1  Worklist path: Makes 1  Worklist path: Makes 1  Watch Names 1
		Make necessary changes to integration limits
		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.
		Did all QCs pass for each analyte? (Y)/ N
Ď,	٥.	Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Sample (2018-1020-1 and (2018-1025-1 did not inject the first fine. I added methanol and or-injected both samples. Ex

£ 34---

Toxicology AM method 25 external prep information

working solution 10000 ng/ml in meoh Hydromorphone, Hydrocodone, Nortriptyline, Sertraline

Stock solution 1mg/ml 100 ul each in 9600ul meOH

Ppd 4/23/18 Exp: 4/23/19 lot 42318 by Amn

sertraline nortriptyline Hydrocodone Hydromorphone 핝 FN01081501 FN06191503 FE09091505 FE04101502 expiration 9/1/2020 6/1/2020 3/1/2020 8/1/2020

AM 25 control 100 ul working solution (42318) in 9900 ul neg blood

Concentration 100ng/ml hydrocodone, nortriptyline, sertraline, hydromorphone

ppd 04/23/18 exp 4/23/19 lot 42318

neg blood lot 17J20718

by Amn



134

Name 6-MAM 7-aminoclonazepam Acetyl Fentanyl	Transition	And Data Time	RT		Contraction of the Contraction o	CONTROL OF THE PROPERTY OF THE	*		The state of the s		RT	Resp.
6-MAM 7-aminoclonazepam Acetyl Fentanyl		Acq. Date-11me	:	Resp.	N/S	Transition	N/S	Area	Name	Transition		. L
7-aminoclonazepam Acetyl Fentanyl	328.2 -> 165	6/4/2018 9:58 PM	5.342	1367	6.80	328.2 -> 211	7.35	1628	6-MAM-D6	334.2 -> 165	5.260	56249
Acetyl Fentanyl	286.1 -> 121	6/4/2018 9:58 PM	5.511	32170	122.74	286.1 -> 222	63.70	20158	7-Aminoclonazepam-D4	290.1 -> 121	5.511	169888
	323.2 -> 105	,,,,,,,,,,,,	6.363	29548	17.22	323.2 -> 188	1505.82	21604	Acetyl Fentanyl-D5	328.2 -> 105	6.341	18678
Acetyl Norfentanyl	219.1 -> 84.2		4.930	8126	20.54	219.1 -> 56.3	22.78	2712	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.930	491242
a-hydroxyalprazolam	325.1 -> 297	mererour?	6.383	9199	74.64	325.1 -> 215	164.27	4791	a-hydroxyalprazolam-D5	330.1 -> 302	6.381	46299
alpha-PVP	232.2 -> 91.0	6/4/2018 9:58 PM	5.887	142096	38647.17	232.2 -> 77.1	57.16	47218	alpha-PVP-d8	240.2 -> 91.1	5.824	602983
Alprazolam	309.1 -> 281	309.1 -> 281 6/4/2018 9:58 PM	6.488	59416	441.47	309.1 -> 205	615.37	55234	Alprazolam-D5	314.1 -> 286	6.467	260317
Amphetamine	136.1 -> 91.1		4.892	84805	47.68	136.1 -> 119	53.66	48362	Amphetamine-D11	147.2 -> 130	4.852	107540
Bupropion	240.1 -> 184		6.131	134311	100.40	240.1 -> 131	51.72	67228	Bupropion-D9	249.2 -> 185	6.089	723596
Carisoprodol	261.2 -> 176		6.129	79392	264.18	261.2 -> 55.3	33.70		Carisoprodol-D7	268.2 -> 183	6.108	397081
Citalopram	325.2 -> 109	. 6/4/2018 9:58 PM	6.199	201478	110.57	325.2 -> 262	455.43	55035	Citalopram-D6	331.2 -> 109	6.178	929593
Clonazepam	316.1 -> 269	. 6/4/2018 9:58 PM	6.324	22581	1484.18	316.1 -> 213	. 76.24	6267	Clonazepam-D4	320.1 -> 217	6.323	35347
Codeine	300.2 -> 215	. 6/4/2018 9:58 PM	5.286	9010	128.66	300.2 -> 165		6286	Codeine-D6	306.2 -> 218	5.223	48376
Cyclobenzaprine	276.2 -> 214	.   6/4/2018 9:58 PM	6.575	136328	418.74	276.2 -> 231	. 85.12	42984	Cyclobenzaprine-D3	279.2 -> 215	6.574	602669
Dextromethorphan	272.2 -> 171	. 6/4/2018 9:58 PM	6.291	59761	139.39	272.2 -> 147	. 69.73	62110	Dextromethorphan-D3	275.2 -> 171		297319
Dextrorphan	258.2 -> 157	258.2 -> 157 6/4/2018 9:58 PM	5.536	39116	858.10	258.2 -> 133	. 128.84	28586	Dextrorphan-D3	261.2 -> 157	5.535	225319
Diazepam	285.1 -> 193	285.1 -> 193 6/4/2018 9:58 PM	6.714	44970	129.18	285.1 -> 153	. 380.64	32209	Diazepam-D5	290.1 -> 198	6.693	200541
Dihydrocodeine	302.2 -> 198	. 6/4/2018 9:58 PM	5.000	24024	88.55	302.2 -> 128	34.07	15334	Dihydrocodeine-D6	308.2 -> 202	4.959	128878
Diphenhydramine	256.2 -> 167	256.2 -> 167 6/4/2018 9:58 PM	6.191	311510	656.31	256.2 -> 152	510.42	75743	Diphenhydramine-D3	259.2 -> 167	6.190	18077
Doxylamine	271.2 -> 182	. 6/4/2018 9:58 PM	5.801	254129	88.73	271.2 -> 167	. 1025.83	1915	Doxylamine-D5	276.2 -> 187	5.780	13429
EDDP	279.2 -> 235	.   6/4/2018 9:58 PM	6.166	171088	152.77	279.2 -> 250	. 6279.46	53019	EDDP-D3	282.2 -> 235	6.166	73561
Fentanyl	337.2 -> 105	. 6/4/2018 9:58 PM	6.562	35512	25.51	337.2 -> 188	. 130.57	25844	Fentanyl-D5	342.3 -> 105	6.562	16359
Fluoxetine	310.1 -> 44.3	6/4/2018 9:58 PM	6.406	291702	35779.45	310.1 -> 148	. 664.95	9933	Oxycodone-D6	322.2 -> 304	5.161	300447
Hydrocodone	300.2 -> 198	300.2 -> 198 6/4/2018 9:58 PM	5.510	31496	50.02	300.2 -> 128	. 90.95	13064	Hydrocodone-D6	306.2 -> 202	5.447	223158
Hydromorphone	286.2 -> 184	286.2 -> 184 6/4/2018 9:58 PM	4.802	19437	27.93	286.2 -> 157	. 10034	16587	Hydromorphone-D6	292.2 -> 185	4.740	88698
Ketamine	238.1 -> 125	. 6/4/2018 9:58 PM	6.111	112546	245.22	238.1 -> 220	. 11.24	40727	Ketamine-D4	242.1 -> 129	6.089	467834
Meprobamate	219.1 -> 158	219.1 -> 158 6/4/2018 9:58 PM	5.601	22739	131.01	219.1 -> 97.1	59.82	23144	Meprobamate-D7	226.2 -> 165	5.601	141311
Methadone	310.2 -> 265		6.507	242342	337.66					319.3 -> 268	6.506	13559
Methamphetamine	150.1 -> 91.1	6/4/2018 9:58 PM	5.074	186663	Infinity	150.1 -> 119	. 14.94	63133	Methamphetamine-D11	161.2 -> 97.1	5.033	297518
Morphine	286.2 -> 201	286.2 -> 201   6/4/2018 9:58 PM	4.541	5167	2317.99	286.2 -> 165	. 10.90	3716	Morphine-D6	292.2 -> 152	4.459	5048
Naloxone	328.2 -> 309	. 6/4/2018 9:58 PM	5.872	41855	37.63	328.2 -> 211		12819	Naloxone-D5	333.2 -> 315	5.770	259177
Naltrexol	344.2 -> 326		5.117	82582	30215.40	344.2 -> 308	. 213.92	14426	Naltrexol-D3	347.2 -> 329		288724
Naitrexone	342.2 -> 324		5.401	53263	47.57	342.2 -> 55.3	38.39	(7)		345.2 -> 327		240613
Norbuprenorphine	414.3 -> 101	. 6/4/2018 9:58 PM	5.991	5637	37.17		243.65			<b>^</b>		33104
Nordiazepam	271.1 -> 140		6.576	28506	4542.74	l.	. 71.12			276.1 -> 140		87967
Norfentanyl	233.2 -> 84.2	6/4/2018 9:58 PM	5.416	155948	1109.84			4	1.	238.2 -> 84.2		729778
Norhydrocodone	286.2 -> 199		5.044	5753	62629	286.2 -> 171				289.2 -> 202		73973
Noroxycodone	302.1 -> 284		4.960	34407	29.77	1			Noroxycodone-D3	305.2 -> 287	4.939	147776
O-desmethyl-tramadol	250.2 -> 58.3	~~~	4.988	199379	188.62	250.2 -> 42.3	563.02	9112	O-desmethyl-tramadol	. 256.2 -> 64.3	4.968	833712
Oxazepam	287.1 -> 240	6/4/2018 9:58 PM	6.389	28933	53.30	287.1 -> 268	. 12.74	12358	Oxazepam-D5	292.1 -> 246	6.388	157967
Oxycodone	316.2 -> 298		5.222	57265	1255.82	316.2 -> 241	. 34.63	15856	Oxycodone-D6	322.2 -> 304	5.161	300447
Oxymorphone	302.1 -> 284	302.1 -> 284 6/4/2018 9:58 PM	4.476	58076	222.26	302.1 -> 227	. 139.50	13256	Oxymorphone-D3	305.2 -> 287	4.455	271536
Phentermine	150.1 -> 65.2	6/4/2018 9:58 PM	5.215	24459	Infinity	150.1 -> 133	.   Infinity	593	Phentermine-D5	155.2 -> 96.2	5.195	317732
Promethazine	285.1 -> 86.2	6/4/2018 9:58 PM	6.694	448332	364.66	285.1 -> 71.3	92.02	96864	Promethazine-D3	288.2 -> 89.2	6.673	24954
Quetiapine	384.2 -> 253	6/4/2018 9:58 PM	6.722	256738	4528.69	384.2 -> 221	. 683.13	1344	Quetiapine-D8	392.2 -> 226	6.701	337475
Sertraline	306.1 -> 158	306.1 -> 158 6/4/2018 9:58 PM	6.753	73369	140.45	306.1 -> 275	494.32	65440	Sertraline-D3	309.1 -> 275		335762
Cufantanil	387 2 -> 238	KM10018 0.58 DM	_ K 011	E2/08 4 1000 3	RER 11	RER 11 387 0 -> 111	E 43	75386	Cufantanil_D5	300 0 -> 038	F 023	11413 4

Compound Method	<b>fethod</b>	p1 cal 1-2a	<b>a</b>	p1 cal 1-2a Results		Qualifier 1 M Qualifier 1 Results	Qualifier 1	Results	ISTD Method	pot	ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	N/S	Transition	N/S	Area	Name	Transition	R	Resp.
Temazepam	301.1 -> 255	301.1 -> 255 6/4/2018 9:58 PM	6.530	89860	160.64	160.64 301.1 -> 283	20.66	36022	20.66 36022 Temazepam-D5	306.1 -> 260	6.530	448118
Tramadol	264.2 -> 58.3	264.2 -> 58.3   6/4/2018 9:58 PM	5.556	267159	245.75	245.75   264.2 -> 43.3	7.14 12	12694	Tramadol-13C-D3	268.2 -> 58.3   5.555	5.555	12778
Trazodone	372.2 -> 176.	372.2 -> 176   6/4/2018 9:58 PM	6.885	246171	64276.28			1776	Trazodone-D6	378.2 -> 182 6.865	6.865	11526
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 6/4/2018 9:58 PM	5.922	267767	Infinity	Infinity 278.2 -> 260	38.68		51550 Venlafaxine-D6	284.2 -> 64.3   5.901	5.901	13582
Zolpidem	308.2 -> 235	308.2 -> 235 6/4/2018 9:58 PM	6.428	6.428 250972	850.62	850.62 308.2 -> 263	1 Infinity 1	1034	1034   Zolpidem-D6	314.2 -> 235   6.426	6.426	13479



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Compound Method	pou	PI NEGALIVE CON										
Name	Transition	Acq. Date-Time	R	Resp.	S/N	Transition	S/N A	Area	Name	Transition	Æ	Resp.
6-MAM	328.2 -> 165	.   6/4/2018 10:18 PM				328.2 -> 211	militaria de la constanta de l	9	6-MAM-D6	334.2 -> 165	5.280	59211
7-aminoclonazepam	286.1 -> 121	. 6/4/2018 10:18 PM				286.1 -> 222			7-Aminoclonazepam-D4	290.1 -> 121	5.511	213892
Acetyl Fentanyl	323.2 -> 105	. 6/4/2018 10:18 PM	*********			323.2 -> 188		7	Acetyl Fentanyl-D5	328.2 -> 105	6.341	19874
Acetyl Norfentanyl	219.1 -> 84.2	6/4/2018 10:18 PM				219.1 -> 56.3		7	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.930	490050
a-hydroxyalprazolam	325.1 -> 297	. 6/4/2018 10:18 PM				325.1 -> 215		ιυ ·	a-hydroxyalprazolam-D5	330.1 -> 302		49520
alpha-PVP	232.2 -> 91.0	6/4/2018 10:18 PM				232.2 -> 77.1		w	alpha-PVP-d8	240.2 -> 91.1	5.824	658156
Alprazolam	309.1 -> 281	. 6/4/2018 10:18 PM				309.1 -> 205		1	Aiprazolam-D5	314.1 -> 286	6.487	274515
Amphetamine	136.1 -> 91.1	6/4/2018 10:18 PM				136.1 -> 119		1	Amphetamine-D11	147.2 -> 130	4.852	129636
Bupropion	240.1 -> 184	6/4/2018 10:18 PM				240.1 -> 131		<u>"</u>	Bupropion-D9	249.2 -> 185	680.9	747986
Carisoprodol	261.2 -> 176	6/4/2018 10:18 PM				261.2 -> 55.3		)	Carisoprodol-D7	268.2 -> 183	6.108	486699
Citalopram	325.2 -> 109	6/4/2018 10:18 PM				325.2 -> 262		)	Citalopram-D6	331.2 -> 109	6.178	10163
Clonazepam	316.1 -> 269	6/4/2018 10:18 PM				316.1 -> 213		)	Clonazepam-D4	320.1 -> 217	6.323	36589
Codeine	300.2 -> 215	6/4/2018 10:18 PM				300.2 -> 165			Codeine-D6	306.2 -> 218	5.223	40413
Cyclobenzaprine	276.2 -> 214	6/4/2018 10:18 PM				276.2 -> 231		)	Cyclobenzaprine-D3	279.2 -> 215	6.574	635348
Dextromethorphan	272.2 -> 171	6/4/2018 10:18 PM				272.2 -> 147	*********		Dextromethorphan-D3	275.2 -> 171		305662
Dextrorphan	258.2 -> 157	6/4/2018 10:18 PM				258.2 -> 133		_	Dextrorphan-D3	261.2 -> 157	5.535	237009
Diazepam	285.1 -> 193	6/4/2018 10:18 PM				285.1 -> 153		_	Diazepam-D5	290.1 -> 198	6.713	197218
Dihydrocodeine	302.2 -> 198	6/4/2018 10:18 PM		************		302.2 -> 128			Dihydrocodeine-D6	308.2 -> 202	4.959	131926
Diphenhydramine	256.2 -> 167	*********				256.2 -> 152			Diphenhydramine-D3	259.2 -> 167		18152
Doxylamine	271.2 -> 182	6/4/2018 10:18 PM				271.2 -> 167			Doxylamine-D5	276.2 -> 187		13706
EDDP	279.2 -> 235	6/4/2018 10:18 PM			***************************************	279.2 -> 250		-	EDDP-D3	282.2 -> 235		59233
Fentanyl	337.2 -> 105	6/4/2018 10:18 PM				337.2 -> 188		-	Fentanyl-D5	342.3 -> 105		16795
Fluoxetine	310.1 -> 44.3					310.1 -> 148			Oxycodone-D6	322.2 -> 304		332125
Hydrocodone	300.2 -> 198					300.2 -> 128		_	Hydrocodone-D6	306.2 -> 202		236936
Hydromorphone	286.2 -> 184					286.2 -> 157			Hydromorphone-D6	292.2 -> 185		85930
Ketamine	238.1 -> 125	6/4/2018 10:18 PM			***************************************	238.1 -> 220			Ketamine-D4	242.1 -> 129		460171
Meprobamate	219.1 -> 158	6/4/2018 10:18 PM				219.1 -> 97.1			Meprobamate-D7	226.2 -> 165	5.601	156658
Methadone	310.2 -> 265					310.2 -> 105		_	Methadone-D9	319.3 -> 268		13986
Methamphetamine	150.1 -> 91.1	6/4/2018 10:18 PM	5.074	137846	Infinity	/ 150.1 -> 119	Infini 4	42023	Methamphetamine-D11	161.2 -> 97.1	5.033	347327
Morphine	286.2 -> 201	6/4/2018 10:18 PM		********		286.2 -> 165			Morphine-D6	292.2 -> 152	4.459	4353
Naloxone	328.2 -> 309	6/4/2018 10:18 PM				328.2 -> 211		_	Naloxone-D5	333.2 -> 315		306086
Naitrexol	344.2 -> 326	6/4/2018 10:18 PM				344.2 -> 308			Naitrexol-D3	347.2 -> 329		306933
Naltrexone	342.2 -> 324	6/4/2018 10:18 PM				342.2 -> 55.3			Naltrexone-D3	345.2 -> 327		276754
Norbuprenorphine	414.3 -> 101	6/4/2018 10:18 PM				414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101		34110
Nordiazepam	271.1 -> 140	6/4/2018 10:18 PM				271.1 -> 208			Nordiazepam-D5	276.1 -> 140		95093
Norfentanyl	233.2 -> 84.2	6/4/2018 10:18 PM				233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2		725050
Norhydrocodone	286.2 -> 199	6/4/2018 10:18 PM	•••••			286.2 -> 171		_	Norhydrocodone-D3	289.2 -> 202		83220
Noroxycodone	302.1 -> 284	6/4/2018 10:18 PM		2,,,,,		302.1 -> 186			Noroxycodone-D3	305.2 -> 287		166366
O-desmethyl-tramadol	250.2 -> 58.3	6/4/2018 10:18 PM				250.2 -> 42.3			O-desmethyl-tramadol	256.2 -> 64.3		894676
Oxazepam	287.1 -> 240	6/4/2018 10:18 PM				287.1 -> 268			Oxazepam-D5	292.1 -> 246	].	173894
Oxycodone	316.2 -> 298	6/4/2018 10:18 PM				316.2 -> 241			Oxycodone-D6	322.2 -> 304	5.161	332125
Oxymorphone	302.1 -> 284	6/4/2018 10:18 PM				302.1 -> 227		_	Oxymorphone-D3	305.2 -> 287	4.435	303618
Phentermine	150.1 -> 65.2					150.1 -> 133			Phentermine-D5	155.2 -> 96.2	5.195	354541
Promethazine	285.1 -> 86.2	6/4/2018 10:18 PM				285.1 -> 71.3		-	Promethazine-D3	288.2 -> 89.2	6.673	24972
Quetiapine	384.2 -> 253	6/4/2018 10:18 PM				384.2 -> 221		-	Quetiapine-D8	^		382811
Sertraline	306.1 -> 158	6/4/2018 10:18 PM				306.1 -> 275		-	Sertraline-D3	309.1 -> 275		
Cufentenil	387 5 -> 238	6/1/2018 10.18 DNA				387 0 -> 111			Cufantanil_DE	300 0 -> 038	C 0 2	11427

农	ISTD Results	Resp.	503820	13033	12064	13824	14130
,	ISTD	R	6.530	5.555	6.865	5.901	6.426
		Transition	306.1 -> 260   6.530	268.2 -> 58.3 5.555	378.2 -> 182 6.865	284.2 -> 64.3   5.901	314.2 -> 235 6.426
	ISTD Method	Name	Temazepam-D5	Tramadol-13C-D3	Trazodone-D6	Venlafaxine-D6	Zolpidem-D6
	′1 Re	Area					
	Qualifier	N/S			•••••		
	Qualifier 1 M	Transition	301.1 -> 283	264.2 -> 43.3	372.2 -> 148	278.2 -> 260	308.2 -> 263
	ONTROL	N/S					
	p1 NEGATIVE CO	RT Resp.			99991444		
	p1 NEGATIVE CON p1 NEGATIVE CONTROL Qualifier 1 M Qualifier 1 Re	Acq. Date-Time	301.1 -> 255 6/4/2018 10:18 PM	264.2 -> 58.3   6/4/2018 10:18 PM	372.2 -> 176 6/4/2018 10:18 PM	278.2 -> 58.3 6/4/2018 10:18 PM	308.2 -> 235 6/4/2018 10:18 PM
	pol	Transition	301.1 -> 255	264.2 -> 58.3	372.2 -> 176	278.2 -> 58.3	308.2 -> 235
	Compound Method	Name	Temazepam	Tramadol	Trazodone	Venlafaxine	Zolpidem





Compound Method	poq	p1external control	ртехи	p rexternal control Results								nda
Name	Transition	Acq. Date-Time	RT	Resp.	N/S	Transition	N/S	Area	Name Constitution	Transition	RT	Resp.
6-MAM	328.2 -> 165	. 6/4/2018 10:37 PM				328.2 -> 211			6-MAM-D6	334.2 -> 165	5.280	51280
7-aminoclonazepam	286.1 -> 121					286.1 -> 222			7-Aminoclonazepam-D4	290.1 -> 121	5.511	184559
Acetyl Fentanyl	323.2 -> 105	. 6/4/2018 10:37 PM				323.2 -> 188			Acetyl Fentanyl-D5	328.2 -> 105	6.341	16818
Acetyl Norfentanyl	219.1 -> 84.2	6/4/2018 10:37 PM				219.1 -> 56.3		******	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.930	430956
a-hydroxyalprazolam	325.1 -> 297	325.1 -> 297   6/4/2018 10:37 PM				325.1 -> 215			a-hydroxyalprazolam-D5	330.1 -> 302	6.381	47378
alpha-PVP	232.2 -> 91.0	6/4/2018 10:37 PM				232.2 -> 77.1	*********		alpha-PVP-d8	240.2 -> 91.1	5.824	543696
Alprazolam	309.1 -> 281	. 6/4/2018 10:37 PM				309.1 -> 205			Alprazolam-D5	314.1 -> 286	6.487	244505
Amphetamine	136.1 -> 91.1	6/4/2018 10:37 PM				136.1 -> 119			Amphetamine-D11	147.2 -> 130	4.852	111797
Bupropion	240.1 -> 184	.   6/4/2018 10:37 PM				240.1 -> 131			Bupropion-D9	249.2 -> 185	6.089	593713
Carisoprodol	261.2 -> 176	. 6/4/2018 10:37 PM				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183	6.108	402836
Citalopram	325.2 -> 109	. 6/4/2018 10:37 PM				325.2 -> 262			Citalopram-D6	331.2 -> 109	6.178	881194
Clonazepam	316.1 -> 269	. 6/4/2018 10:37 PM				316.1 -> 213			Clonazepam-D4	320.1 -> 217	6.323	37101
Codeine	300.2 -> 215	. 6/4/2018 10:37 PM	5.530	10702	47.40	ļ	. 94.71	30062	Codeine-D6	306.2 -> 218	5.223	35768
Cyclobenzaprine	276.2 -> 214	. 6/4/2018 10:37 PM				276.2 -> 231			Cyclobenzaprine-D3	279.2 -> 215	6.574	542092
Dextromethorphan	272.2 -> 171	. 6/4/2018 10:37 PM			Authorization in the Common Co	272.2 -> 147			Dextromethorphan-D3	275.2 -> 171	6.270	261647
Dextrorphan	258.2 -> 157	. 6/4/2018 10:37 PM				258.2 -> 133			Dextrorphan-D3	261.2 -> 157	5.535	207734
Diazepam	285.1 -> 193	. 6/4/2018 10:37 PM				285.1 -> 153			Diazepam-D5	290.1 -> 198	6.693	173988
Dihydrocodeine	302.2 -> 198	. 6/4/2018 10:37 PM				302.2 -> 128			Dihydrocodeine-D6	308.2 -> 202	4.959	115699
Diphenhydramine	256.2 -> 167					256.2 -> 152			Diphenhydramine-D3	259.2 -> 167		15982
Doxylamine	271.2 -> 182				All the second s	271.2 -> 167			Doxylamine-D5	276.2 -> 187	5.800	12504
EDDP	279.2 -> 235				***************************************	279.2 -> 250			EDDP-D3	282.2 -> 235		61207
Fentanyl	337.2 -> 105	. 6/4/2018 10:37 PM				337.2 -> 188			Fentanyl-D5	342.3 -> 105		14431
Fluoxetine	310.1 -> 44.3	6/4/2018 10:37 PM				310.1 -> 148			Oxycodone-D6	322.2 -> 304	5.161	276404
Hydrocodone	300.2 -> 198	marciner 5	5.510		Infinity			1470	Hydrocodone-D6	306.2 -> 202	5.467	202488
Hydromorphone	286.2 -> 184	-	4.802	208296	131.55	(C)	. 318.28	1527	Hydromorphone-D6	292.2 -> 185	4.740	27777
Ketamine	238.1 -> 125					238.1 -> 220			Ketamine-D4	242.1 -> 129	680.9	410361
Meprobamate	219.1 -> 158				***************************************	219.1 -> 97.1			Meprobamate-D7	226.2 -> 165	5.601	140799
Methadone	310.2 -> 265				***************************************				Methadone-D9	319.3 -> 268	6.506	11914
Methamphetamine	150.1 -> 91.1	''''''	5.074	101590	32.33	150.1 ->	. Infinity	46425	Methamphetamine-D11	161.2 -> 97.1	5.033	332518
Morphine	286.2 -> 201	6/4/2018 10:37 PM				286.2 -> 165			Morphine-D6	292.2 -> 152	4.459	4307
Naloxone	328.2 -> 309	•				328.2 -> 211			Naloxone-D5	333.2 -> 315	5.770	252519
Naltrexol	344.2 -> 326	v			***************************************	344.2 -> 308			Naltrexol-D3	347.2 -> 329	5.076	269664
Naltrexone	342.2 -> 324					342.2 -> 55.3			Naltrexone-D3	345.2 -> 327	5.360	227620
Norbuprenorphine	414.3 -> 101					414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101		29321
Nordiazepam	271.1 -> 140				***************************************	271.1 -> 208			Nordiazepam-D5	276.1 -> 140	6.555	83488
Norfentanyl	233.2 -> 84.2					233.2 -> 55.3			Norfentanyl-D5	<b>^</b>	5.395	638377
Norhydrocodone	286.2 -> 199	6/4/2018 10:37 PM				286.2 -> 171			Norhydrocodone-D3	289.2 -> 202	5.023	70635
Noroxycodone	302.1 -> 284	*********				302.1 -> 186.			Noroxycodone-D3	305.2 -> 287		146200
O-desmethyl-tramadol	250.2 -> 58.3	******				250.2 -> 42.3			O-desmethyl-tramadol	256.2 -> 64.3		770508
Oxazepam	287.1 -> 240	6/4/2018 10:37 PM				287.1 -> 268			Oxazepam-D5	292.1 -> 246		164550
Oxycodone	316.2 -> 298	6/4/2018 10:37 PM				316.2 -> 241	:		Oxycodone-D6	<b>^</b>		276404
Oxymorphone	302.1 -> 284	6/4/2018 10:37 PM				302.1 -> 227	:		Oxymorphone-D3	305.2 -> 287		251119
Phentermine	150.1 -> 65.2	6/4/2018 10:37 PM				150.1 -> 133			Phentermine-D5	155.2 -> 96.2	5.195	325800
Promethazine	285.1 -> 86.2	6/4/2018 10:37 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.673	22223
Quetiapine	384.2 -> 253	6/4/2018 10:37 PM				384.2 -> 221			- 1	392.2 -> 226	6.701	326101
Sertraline	306.1 -> 158		6.753	621058	1091.18	3 306.1 -> 275	Infinity	5917	Sertraline-D3	309.1 -> 275	6.731	268128
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Compound Method	pou	p1external control	p1external con	trol Results	p1external control Results   Qualifier 1 M   Qualifier 1 Res	Qualifier	1 Res	ISTD Method	ď	ISTDF	ISTD Results
Name	Transition	Acq. Date-Time	RT Resp.	N/S	Transition	S/N	Area	Name	Transition	꿈	Resp.
Temazepam	301.1 -> 255	301.1 -> 255 6/4/2018 10:37 PM			301.1 -> 283			Temazepam-D5	306.1 -> 260   6.530	6.530	419583
Tramadol	264.2 -> 58.3	264.2 -> 58.3 6/4/2018 10:37 PM			264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3   5.555	5.555	11140
Trazodone	372.2 -> 176	372.2 -> 176 6/4/2018 10:37 PM			372.2 -> 148			Trazodone-D6	378.2 -> 182   6.865	6.865	10328
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 6/4/2018 10:37 PM			278.2 -> 260			Venlafaxine-D6	284.2 -> 64.3   5.901	5.901	11360
Zolnidem	308.2 -> 235	308.2 -> 235   6/4/2018 10:37 PM			308.2 -> 263			Zolpidem-D6	314.2 -> 235   6.426	6.426	11834





)	Compound Method	рог	p2 cal 1-2b	p2 (	cal 1-2b Results	sults	Qualifier 1 M	Qualifier	1 Resul	ISTD Method	THE CONTRACT OF THE PROPERTY O	ISTD	ISTD Results
N	Name	Transition	Acq. Date-Time	FA	Resp.	S/N	Transition	N/S	Area	Name	Transition	RT	Resp.
7-aminoflunitrazepam	trazepam	284.1 -> 135	6/4/2018 10:08 PM	5.722	43808	143.40	284.1 -> 93.2	137.50	13221	7-aminoflunitrazepam-D7	291.2 -> 138	5.699	20515
alpha-hydro.	alpha-hydroxymidazolam	342.1 -> 324	6/4/2018 10:08 PM	6.468	65194	83.52	342.1 -> 203	158.73	37787	alpha-hydroxymidazolam	346.1 -> 328	6.468	33479
Amitriptyline		278.2 -> 91.2	6/4/2018 10:08 PM	6.701	174937	Infinity	278.2 -> 105	Infinity	98994	Amitriptyline-D3	281.2 -> 91.2	6.700	60095
Amoxapine		314.1 -> 271	6/4/2018 10:08 PM	6.655	59651	Infinity	314.1 -> 193	Infinity	31216	Amitriptyline-D3	281.2 -> 91.2	6.700	60095
Benzoylecgonine	nine	290.1 -> 168	6/4/2018 10:08 PM	5.312	23525	8493.20	290.1 -> 105	Infinity	14105	Benzoylecgonine-D8	298.2 -> 171	5.289	811
Carbamazepine	ine	237.1 -> 193	6/4/2018 10:08 PM	6.137	27767	4583.04	237.1 -> 194	Infinity	2469	Carbamazepine-13C6	243.1 -> 200	6.137	12182
Chlordiazepoxide	oxide	300.1 -> 227	6/4/2018 10:08 PM	6.596	27620	101.98	300.1 -> 282	86.62	19835	Chlordiazepoxide-D5	305.1 -> 286	6.596	24759
Clomipramine	je Je	315.2 -> 86.2	6/4/2018 10:08 PM	7.018	311870	830.54	315.2 -> 58.3	420.54	1705	Clomipramine-D3	318.2 -> 89.2	6.977	16164
Cocaine		304.2 -> 182	6/4/2018 10:08 PM	5.821	172749	79116	304.2 -> 105	78.85	38399	Cocaine-D3	307.2 -> 185	5.800	73801
Desipramine	<i>a</i> ;	267.2 -> 72.3	6/4/2018 10:08 PM	6.500	299184	Infinity	267.2 -> 44.3	96.45	1412	Desipramine-D3	270.2 -> 75.3	6.500	13893
Doxepin		280.2 -> 107	6/4/2018 10:08 PM	6.397	152196	210.39	280.2 -> 77.2	Infinity	45791	Doxepin-D3	283.2 -> 107	6.376	74892
Estazolam		295.1 -> 267	6/4/2018 10:08 PM	6.414	66989	35792	295.1 -> 205	231.51	54240	Estazolam-D5	300.1 -> 272	6.392	31536
Flunitrazepam	m	314.1 -> 268	6/4/2018 10:08 PM	6.432	53511	364.18	314.1 -> 239	. 293.72	20058	Flunitrazepam-D7	321.1 -> 245	6.431	1133
Flurazepam		388.2 -> 315	6/4/2018 10:08 PM	6.588	180258	37721	388.2 -> 317	. 132.11	44661	Zopiclone-D4	393.1 -> 244	6.425	12580
Imipramine		281.2 -> 86.2	6/4/2018 10:08 PM	6.639	455862	Infinity	281.2 -> 58.3	Infinity	2335	Imipramine-D3	284.2 -> 61.3	6.618	11880
Levamisole		205.1 -> 91.2	6/4/2018 10:08 PM	5.407	42521	Infinity	205.1 -> 178	. 350.91	38434	Cocaine-D3	307.2 -> 185	5.800	73801
Maprotiline	PRINCEPARATION PRINCES FRANCES	278.2 -> 91.2	6/4/2018 10:08 PM	6.701	172046	Infinity	278.2 -> 117	. 128.81	58923	Amitriptyline-D3	281.2 -> 91.2	6.700	60095
MDA		180.1 -> 163	6/4/2018 10:08 PM	5.044	42281	Infinity	180.1 -> 105	5.35	30708	1	185.1 -> 168	5.044	22213
MDEA	ANY	208.1 -> 163	6/4/2018 10:08 PM	5.344	92008	572.37	208.1 -> 105	. 394.08	75121	MDEA-D6	214.2 -> 166	5.323	51490
MDMA		194.1 -> 163	6/4/2018 10:08 PM	5.184	74568	5482.79	194.1 -> 105	. Infinity	45419	MDMA-D6	200.2 -> 166	5.163	4203
Meperidine	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	248.2 -> 220	6/4/2018 10:08 PM	5.871	67436	12204	248.2 -> 174	. 2024	40536	Meperidine-D4	252.2 -> 224	5.871	37807
Methylphenidate	date	234.2 -> 84.2	6/4/2018 10:08 PM	5.709	276442	178.33	234.2 -> 56.3	293.63	56045	Meperidine-D4	252.2 -> 224	5.871	37807
Metoprolol		268.2 -> 116	,,,,,,,,,,,,,	5.539	24112	716.06	268.2 -> 56.3	Infinity	21583	Meperidine-D4		5.871	37807
Midazolam		326.1 -> 223	***************************************	6.633	23676	302.33	326.1 -> 249		1	Midazolam-D4			41871
Mirtazapine		266.2 -> 195	.   6/4/2018 10:08 PM	6.541	231249	Infinity	266.2 -> 72.3	429.86	ı	. Midazolam-D4	330.1 -> 295		41871
Mitragynine		399.2 -> 174	6/4/2018 10:08 PM	6.566	66577	14986	399.2 -> 238	. 166.18	30900	Carbamazepine-13C6	243.1 -> 200	6.137	12182
Normeperidine	ine	234.1 -> 42.3	6/4/2018 10:08 PM	5.709	66648	Infinity		. 763.95	57418		238.2 -> 164	5.708	27205
Norpropoxyphene	ohene	326.2 -> 44.3	6/4/2018 10:08 PM	6.348	44909	277.59	326.2 -> 252	. 1373	15790	Norpropoxyphene-D5	331.2 -> 44.3	6.347	20525
Nortriptyline	-	264.2 -> 91.2	6/4/2018 10:08 PM	6.542	106465	Infinity	264.2 -> 233	. Infinity	87303	Nortriptyline-D3	267.2 -> 233	6.540	39745
Ondansetron	_	294.2 -> 184	. 6/4/2018 10:08 PM	6.169	98539	465.60	294.2 ->	. 46.31			289.2 -> 72.3	5.783	52207
Pentazocine	ź	286.2 -> 218		5.783	137310	141.48	286.2 ->			- 1	289.2 -> 72.3	5.783	52207
Phenazepam	r	349.0 -> 206		6.508	48447	11259				- 1	353.0 -> 183	6.507	1795
Phencyclidine	Je	244.2 -> 86.2	6/4/2018 10:08 PM	6.055	214384	597.86	244.2 -> 91.1	Infinity		1.	^	6.034	97093
Phenytoin		253.1 -> 104		6.033	3675	18.00					<b>^</b>	6.033	2107
Prazepam		325.1 -> 271	. 6/4/2018 10:08 PM	6.956	202772	Infinity	325.1 -> 140	307.64	49975	Prazepam-D5	330.1 -> 276	6.954	89429
Primidone		219.1 -> 91.2	6/4/2018 10:08 PM	5.405		7.56	219.1 -> 162		7646	Prazepam-D5	330.1 -> 276	6.954	89429
Propoxyphene	ine	340.2 -> 58.3	6/4/2018 10:08 PM	6.530	292512	380.65	340.2 -> 266	. Infinity		Propoxyphene-D11	351.3 -> 277		31679
Protriptyline	_	264.2 -> 155	. 6/4/2018 10:08 PM	6.440	630367	Infinity	264.2 -> 191	. Infinity	8218	. Nortriptyline-D3	267.2 -> 233		39745
Pseudoephedrine	edrine	166.1 -> 148	. 6/4/2018 10:08 PM	4.681	755726	354.22	166.1 -> 133		1492		169.1 -> 151		37806
Tapentadol		222.2 -> 107	. 6/4/2018 10:08 PM	5.547	152690	497.37	222.2 -> 121	475.46	59797	Tapentadol-D3	225.2 -> 107		78295
Trimipramine	ō	295.2 -> 100	. 6/4/2018 10:08 PM	6.779	502336	Infinity	295.2 -> 58.3	Infinity	2754	. Trimipramine-D3	298.2 -> 103	6.759	24161
Verapamil		455.3 -> 165	. 6/4/2018 10:08 PM	6.545	199277	855.79	455.3 -> 150	. 118.87	54409	Trimipramine-D3	<b>^</b>		24161
Zaleplon		306.1 -> 236		6.228		12780	306.1 ->		52070		<b>^</b>		29340
Zopiclone		389.1 -> 244	. 6/4/2018 10:08 PM	6.425	10956	1849.92	389.1 -> 216	883.40	6634	I Zopiclone-D4	393.1 -> 244	6.425	12580



Compound Method	poq	p2 negative control	p2 ne	negative control Results	rol Results	Qualifier 1 M	Qualifier	ISTD Method		ISTD	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	N/S	Transition	S/N Area	a Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	6/4/2018 10:27 PM				284.1 -> 93.2		7-aminoflunitrazepam-D7	291.2 -> 138	5.699	249283
alpha-hydroxymidazolam	342.1 -> 324	6/4/2018 10:27 PM				342.1 -> 203		alpha-hydroxymidazolam	346.1 -> 328	6.468	390361
Amitriptyline	278.2 -> 91.2	6/4/2018 10:27 PM				278.2 -> 105		Amitriptyline-D3	281.2 -> 91.2	6.700	566445
Amoxapine	314.1 -> 271	6/4/2018 10:27 PM				314.1 -> 193		Amitriptyline-D3	281.2 -> 91.2	6.700	566445
Benzoylecgonine	290.1 -> 168					290.1 -> 105		Benzoylecgonine-D8	298.2 -> 171	5.289	7159
Carbamazepine	237.1 -> 193	6/4/2018 10:27 PM				237.1 -> 194		Carbamazepine-13C6	243.1 -> 200	6.137	13728
Chlordiazepoxide	300.1 -> 227	6/4/2018 10:27 PM				300.1 -> 282		Chlordiazepoxide-D5	305.1 -> 286	6.596	269027
Clomipramine	315.2 -> 86.2	6/4/2018 10:27 PM				315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.997	16629
Cocaine	304.2 -> 182	6/4/2018 10:27 PM				304.2 -> 105		Cocaine-D3	307.2 -> 185	5.800	760781
Desipramine	267.2 -> 72.3	6/4/2018 10:27 PM				267.2 -> 44.3		Desipramine-D3	270.2 -> 75.3	6.500	15123
Doxepin	280.2 -> 107	6/4/2018 10:27 PM			***************************************	280.2 -> 77.2		Doxepin-D3	283.2 -> 107	6.376	771950
Estazolam	295.1 -> 267	6/4/2018 10:27 PM				295.1 -> 205		Estazolam-D5	300.1 -> 272	6.392	369059
Flunitrazepam	314.1 -> 268	6/4/2018 10:27 PM				314.1 -> 239		Flunitrazepam-D7	321.1 -> 245	6.431	14179
Flurazepam	388.2 -> 315	6/4/2018 10:27 PM				388.2 -> 317		Zopiclone-D4	393.1 -> 244	6.425	122923
Imipramine	281.2 -> 86.2	6/4/2018 10:27 PM				281.2 -> 58.3		Imipramine-D3	284.2 -> 61.3	6:639	12528
Levamisole	205.1 -> 91.2	6/4/2018 10:27 PM			***************************************	205.1 -> 178		Cocaine-D3	307.2 -> 185	5.800	760781
Maprotiline	278.2 -> 91.2	6/4/2018 10:27 PM				278.2 -> 117		Amitriptyline-D3	281.2 -> 91.2	6.700	566445
MDA	180.1 -> 163	6/4/2018 10:27 PM				180.1 -> 105		MDA-D5	185.1 -> 168	5.044	243630
MDEA	208.1 -> 163	6/4/2018 10:27 PM				208.1 -> 105		MDEA-D6	214.2 -> 166	5.323	575119
MDMA	194.1 -> 163	6/4/2018 10:27 PM	•••••			194.1 -> 105		MDMA-D6	200.2 -> 166	5.183	44519
Meperidine	248.2 -> 220	6/4/2018 10:27 PM		a.a		248.2 -> 174		Meperidine-D4	252.2 -> 224	5.871	396615
Methylphenidate	234.2 -> 84.2	6/4/2018 10:27 PM				234.2 -> 56.3		Meperidine-D4	252.2 -> 224	5.871	396615
Metoprolol	268.2 -> 116	6/4/2018 10:27 PM				268.2 -> 56.3		Meperidine-D4	252.2 -> 224	5.871	396615
Midazolam	326.1 -> 223	6/4/2018 10:27 PM				326.1 -> 249		Midazolam-D4	330.1 -> 295	6.632	459517
Mirtazapine	266.2 -> 195	6/4/2018 10:27 PM		************		266.2 -> 72.3		Midazolam-D4	330.1 -> 295	6.632	459517
Mitragynine	399.2 -> 174	6/4/2018 10:27 PM				399.2 -> 238		Carbamazepine-13C6	243.1 -> 200	6.137	13728
Normeperidine	234.1 -> 42.3	6/4/2018 10:27 PM				234.1 -> 160		Normeperidine-D4	238.2 -> 164	5.708	242693
Norpropoxyphene	326.2 -> 44.3	6/4/2018 10:27 PM				326.2 -> 252		Norpropoxyphene-D5	331.2 -> 44.3	6.347	215023
Nortriptyline	264.2 -> 91.2	6/4/2018 10:27 PM				264.2 -> 233		Nortriptyline-D3	267.2 -> 233	6.540	437228
Ondansetron	294.2 -> 184	. 6/4/2018 10:27 PM				294.2 -> 212		Pentazocine-13C3	289.2 -> 72.3	5.803	571564
Pentazocine	286.2 -> 218	. 6/4/2018 10:27 PM				286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.803	571564
Phenazepam	349.0 -> 206	. 6/4/2018 10:27 PM				349.0 -> 183.		Phenazepam-D4	353.0 -> 183	6.507	21631
Phencyclidine	244.2 -> 86.2	6/4/2018 10:27 PM				244.2 -> 91.1		Phencydlidine-D5	249.2 -> 86.2	6.034	11067
Phenytoin	253.1 -> 104	[				253.1 -> 182		Phenytoin-D10	263.2 -> 192	6.013	21964
Prazepam	325.1 -> 271					325.1 -> 140		Prazepam-D5	330.1 -> 276	6.954	901491
Primidone	219.1 -> 91.2	6/4/2018 10:27 PM				219.1 -> 162		Prazepam-D5	330.1 -> 276	6.954	901491
Propoxyphene	340.2 -> 58.3	6/4/2018 10:27 PM				340.2 -> 266		Propoxyphene-D11	351.3 -> 277		353601
Protriptyline	264.2 -> 155					<b>^</b>		Nortriptyline-D3	267.2 -> 233		437228
Pseudoephedrine	166.1 -> 148	. 6/4/2018 10:27 PM				166.1 -> 133		Pseudoephedrine-D3	169.1 -> 151		459477
Tapentadol	222.2 -> 107	. 6/4/2018 10:27 PM				222.2 -> 121		Tapentadol-D3	225.2 -> 107		832899
Trimipramine	295.2 -> 100	. 6/4/2018 10:27 PM				295.2 -> 58.3		Trimipramine-D3	298.2 -> 103		27132
Verapamil	455.3 -> 165	. 6/4/2018 10:27 PM				455.3 -> 150		Trimipramine-D3	298.2 -> 103		27132
Zalepion	306.1 -> 236					306.1 -> 264		Zaleplon-D4			
Zoniologo	770 7 7 000	710 10 01 0100 770	٠			200 1 > 216		7000000	7 T C C C	200	70000

Compound Method	pot	p2 external control	p2 exter	ternal contro	nal control Results	Qualifier 1 M	Qualifier 1	Resul	ISTD Method		ISTD	ISTD Results
Name	Transition	Acq, Date-Time	Æ	Resp.	N/S	Transition	N/S	Area	Name Constitution	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	6/4/2018 10:47 PM				284.1 -> 93.2			7-aminoflunitrazepam-D7	291.2 -> 138	5.699	21023
alpha-hydroxymidazolam	342.1 -> 324					342.1 -> 203			alpha-hydroxymidazolam	346.1 -> 328	6.468	35466
Amitriptyline	278.2 -> 91.2	6/4/2018 10:47 PM				278.2 -> 105			Amitriptyline-D3	281.2 -> 91.2	6.700	46536
Amoxapine	314.1 -> 271	6/4/2018 10:47 PM				314.1 -> 193			Amitriptyline-D3	281.2 -> 91.2	6.700	46536
Benzoylecgonine	290.1 -> 168	6/4/2018 10:47 PM				290.1 -> 105			Benzoylecgonine-D8	298.2 -> 171	5.289	295
Carbamazepine	237.1 -> 193	6/4/2018 10:47 PM				237.1 -> 194			Carbamazepine-13C6	243.1 -> 200	6.137	1197
Chlordiazepoxide	300.1 -> 227	6/4/2018 10:47 PM				300.1 -> 282			Chlordiazepoxide-D5	305.1 -> 286	6.596	2392
Clomipramine	315.2 -> 86.2	6/4/2018 10:47 PM				315.2 -> 58.3			Clomipramine-D3	318.2 -> 89.2	6.997	13159
Cocaine	304.2 -> 182	·		-		304.2 -> 105			Cocaine-D3	307.2 -> 185	5.821	65926
Desipramine	267.2 -> 72.3	6/4/2018 10:47 PM				267.2 -> 44.3			Desipramine-D3	270.2 -> 75.3	6.500	12432
Doxepin	280.2 -> 107	6/4/2018 10:47 PM				280.2 -> 77.2			Doxepin-D3	283.2 -> 107	6.376	67063
Estazolam	295.1 -> 267	6/4/2018 10:47 PM				295.1 -> 205			Estazolam-D5	300.1 -> 272	6.392	33352
Flunitrazepam	314.1 -> 268	6/4/2018 10:47 PM				314.1 -> 239			Flunitrazepam-D7	321.1 -> 245	6.410	1215
Flurazepam	388.2 -> 315	6/4/2018 10:47 PM				388.2 -> 317			Zopiclone-D4	393.1 -> 244	6.425	8346
Imipramine	281.2 -> 86.2	6/4/2018 10:47 PM				281.2 -> 58.3			Imipramine-D3	284.2 -> 61.3	6.618	1100€
Levamisole	205.1 -> 91.2	6/4/2018 10:47 PM				205.1 -> 178			Cocaine-D3	307.2 -> 185	5.821	65925
Maprotiline	278.2 -> 91.2	6/4/2018 10:47 PM			THE PROPERTY OF THE PROPERTY O	278.2 -> 117			Amitriptyline-D3	281.2 -> 91.2	6.700	46536
MDA	180.1 -> 163	6/4/2018 10:47 PM			THE RESIDENCE OF THE PROPERTY	180.1 -> 105		and the state of t	MDA-D5	185.1 -> 168	5.044	21468
MDEA	208.1 -> 163	,,				208.1 -> 105			MDEA-D6	214.2 -> 166	5.323	48047
MDMA	194.1 -> 163	6/4/2018 10:47 PM			THE PARTY AND TH	194.1 -> 105		-	MDMA-D6	200.2 -> 166	5.183	3769
Meperidine	248.2 -> 220				***************************************	248.2 -> 174		***************************************	Meperidine-D4	252.2 -> 224	5.871	3349(
Methylphenidate	234.2 -> 84.2	·[·····				234.2 -> 56.3		***************************************	Meperidine-D4	252.2 -> 224	5.871	33490
Metoprolol	268.2 -> 116	6/4/2018 10:47 PM				268.2 -> 56.3			Meperidine-D4	252.2 -> 224	5.871	33490
Midazolam	326.1 -> 223	. 6/4/2018 10:47 PM	····amn			326.1 -> 249			Midazolam-D4	330.1 -> 295	6.632	40426
Mirtazapine	266.2 -> 195	. 6/4/2018 10:47 PM	0.11071.00			266.2 -> 72.3			Midazolam-D4	330.1 -> 295	6.632	40426
Mitragynine	399.2 -> 174	. 6/4/2018 10:47 PM				399.2 -> 238			Carbamazepine-13C6	243.1 -> 200	6.137	1197
Normeperidine	234.1 -> 42.3	6/4/2018 10:47 PM			***************************************	234.1 -> 160			Normeperidine-D4	238.2 -> 164	5.708	2093(
Norpropoxyphene	326.2 -> 44.3	6/4/2018 10:47 PM		-		326.2 -> 252			Norpropoxyphene-D5	331.2 -> 44.3	6.347	17795
Nortriptyline	264.2 -> 91.2	6/4/2018 10:47 PM	6.542	887282	1028.51	264.2 -> 233	5255	8359	Nortriptyline-D3	267.2 -> 233	6.540	35042
Ondansetron	294.2 -> 184	. 6/4/2018 10:47 PM	200000000000000000000000000000000000000	•		294.2 -> 212			Pentazocine-13C3	289.2 -> 72.3	5.803	46386
Pentazocine	286.2 -> 218	. 6/4/2018 10:47 PM	~*********			286.2 -> 41.3			Pentazocine-13C3	289.2 -> 72.3	5.803	46386
Phenazepam	349.0 -> 206	. 6/4/2018 10:47 PM				349.0 -> 183			Phenazepam-D4	353.0 -> 183	6.507	1842
Phencyclidine	244.2 -> 86.2	6/4/2018 10:47 PM				244.2 -> 91.1			Phencydlidine-D5	249.2 -> 86.2	6.034	9408(
Phenytoin	253.1 -> 104	. 6/4/2018 10:47 PM		*********		253.1 -> 182			Phenytoin-D10	263.2 -> 192	6.013	1881
Prazepam	325.1 -> 271	. 6/4/2018 10:47 PM		********		325.1 -> 140			Prazepam-D5	330.1 -> 276	6.954	81608
Primidone	219.1 -> 91.2	6/4/2018 10:47 PM				219.1 -> 162			Prazepam-D5	330.1 -> 276	6.954	81608
Propoxyphene	340.2 -> 58.3	6/4/2018 10:47 PM				340.2 -> 266			Propoxyphene-D11	351.3 -> 277	6.467	30296
Protriptyline	264.2 -> 155	. 6/4/2018 10:47 PM			***************************************	264.2 -> 191			Nortriptyline-D3	267.2 -> 233	6.540	35042
Pseudoephedrine	166.1 -> 148	. 6/4/2018 10:47 PM				166.1 -> 133			Pseudoephedrine-D3	169.1 -> 151	4.680	38002
Tapentadol	222.2 -> 107	. 6/4/2018 10:47 PM				222.2 -> 121			Tapentadol-D3	225.2 -> 107	5.547	71566
Trimipramine	295.2 -> 100	. 6/4/2018 10:47 PM				295.2 -> 58.3			Trimipramine-D3	298.2 -> 103	6.759	22825
Verapamil	455.3 -> 165	. 6/4/2018 10:47 PM	*******	,		455.3 -> 150			Trimipramine-D3	298.2 -> 103	6.759	22825
Zaleplon	306.1 -> 236	. 6/4/2018 10:47 PM				306.1 -> 264			Zaleplon-D4	310.2 -> 240	6.228	27398
Zopiclone	389.1 -> 244	. 6/4/2018 10:47 PM			ANDA MANAGOODADA ORGANIZADA ORGANIZADA PROPERTORIO	389.1 -> 216			Zopiclone-D4	393.1 -> 244	6.425	8346



### AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 6-9-18

Analyst: Ance Nord

Plate lot#: 0515037

Plate Expiration: 9/28/2018

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

0.1% Formic Acid in Water MTBE Hexane

Blank Blood Lot: 17J20718 Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

**LCMS-QQQ ID**: 62340

#### **Pre-Analytic:**

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

#### **Analytic:**

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Σ 2. Pipette 1000 μL blood (calibrated pipette) Pipette ID: k52558qin wells of analytical (standards) plate.
  - Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 66759
- 2 4. Pipette 500 μL 0.1% formic acid in wells of analytical plate.
- ✓ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 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: 66792
- ∠ 8. Wait 5 minutes.
- 2. Add 2.25 mL MTBE (add in 3 increments of 750uL).
- ☑ 10. Wait 5 minutes.
- 🖾 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 12. Add **2.25 mL hexane** (add in 3 increments of 750uL).
- ☑ 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: 66819
- 16. Reconstitute in 100μL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

- 1. Create batch and process data.

  Worklist path: 06042018 blood screen AM 25 Batch Name: Cann Screen
- □ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
- △ 3. Retention time within +/- 2% or +/-.100 min whichever is greater of the average retention time of the calibrators.
- 🖄 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:** 

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time 6/5/2018 9:18 AM Analyst Name anord
Report Time 6/6/2018 9:35 AM Reporter Name ISP Tox
Last Calib Update 6/5/2018 9:18 AM Batch State Processed

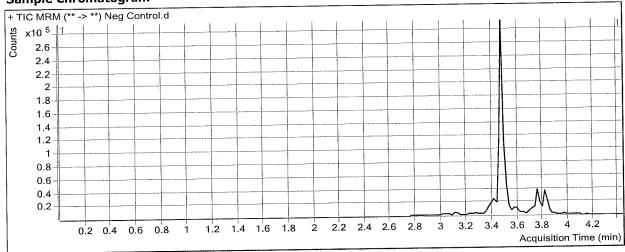
**Analysis Info** 

Acq Time2018-06-04 13:26Data FileNeg Control.dSample TypeSampleSample NameNeg ControlDilution1Acq MethodScreen THC 8-2017.m

Position P1-a2 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen negative blood lot 17J20718

#### Sample Chromatogram



Batch Data Path

I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

 Acq Time
 2018-06-04 13:46
 Data File
 QC 10 ng.d

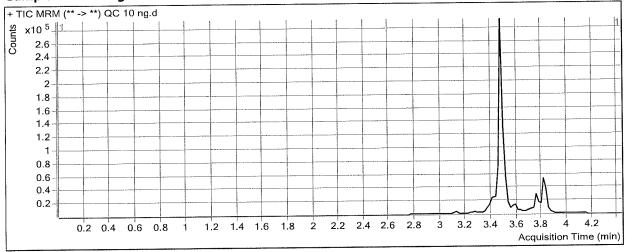
 Sample Type
 QC
 Sample Name
 QC 10 ng

**Dilution** 1 **Acq Method** Screen THC 8-2017.m

Position P1-H1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

#### Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	15888	65185	0.2437	11.7371
THC-OH	3,473	57577	593713	0.0970	9.8266
	<del>-</del>	6137	54422	0.1128	10.2713
THC	3.820	0137	31122	012120	



ISP cann screen report 2017.xlsx

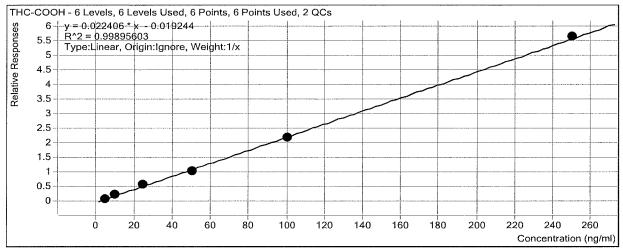
# ISP Forensics Calibration Curve Report

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann

screen.batch.bin

Last Calib Update 6/5/2018 9:18 AM Analyst Name ISP TOX

Target CompoundTHC-COOHInternal StandardTHC-COOH-d9



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1		3	2.8	92.2
cal 2 - 5ng	2	$\square$	5	4.7	93.0
cal 3 - 10ng	3	$\square$	10	10.6	105.7
QC 10 ng	3	$\square$	10	11.7	117.4
cal 4 - 25ng	4	$\square$	25	26.8	107.2
cal 5 - 50ng	5	$\square$	50	47.3	94.7
cal 6 - 100ng	6	$\square$	100	98.7	98.7
cal 7 - 250ng	7	$\square$	250	252.0	100.8



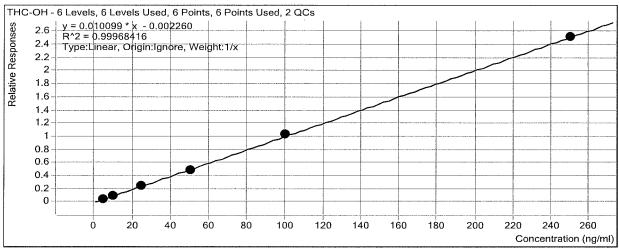
# ISP Forensics Calibration Curve Report

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann

screen.batch.bin

Last Calib Update6/5/2018 9:18 AMAnalyst NameISP TOX

Target CompoundTHC-OHInternal StandardTHC-OH-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	$\square$	3	3.0	101.2
cal 2 - 5ng	2	$\square$	5	5.0	99.5
cal 3 - 10ng	3	$\square$	10	10.1	100.6
QC 10 ng	3	$\square$	10	9.8	98.3
cal 4 - 25ng	4	$\square$	25	25.4	101.5
cal 5 - 50ng	5	$\square$	50	48.3	96.7
cal 6 - 100ng	6	☑	100	102.1	102.1
cal 7 - 250ng	7	$\square$	250	249.1	99.7



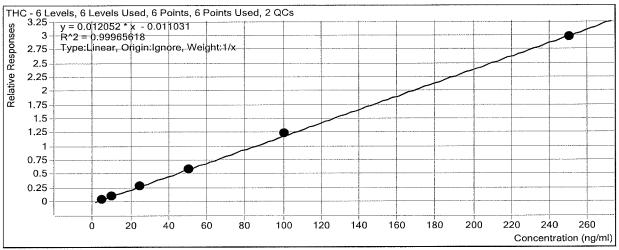
# **ISP Forensics Calibration Curve Report**

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann

screen.batch.bin

Last Calib Update 6/5/2018 9:18 AM Analyst Name ISP TOX

Target CompoundTHCInternal StandardTHC-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	$\square$	3	3.4	112.7
cal 2 - 5ng	2	☑	5	5.0	99.8
cal 3 - 10ng	3	$\square$	10	9.8	98.2
QC 10 ng	3	$\square$	10	10.3	102.7
cal 4 - 25ng	4	$\square$	25	25.1	100.3
cal 5 - 50ng	5	$\square$	50	49.9	99.8
cal 6 - 100ng	6	$\square$	100	102.9	102.9
cal 7 - 250ng	7	$\square$	250	247.3	98.9



Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

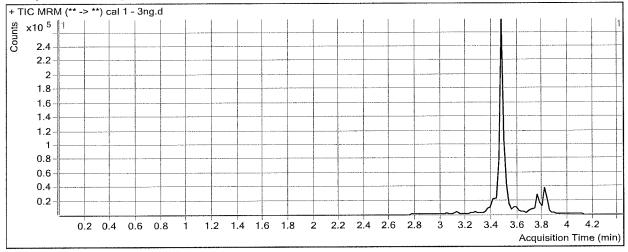
 Acq Time
 2018-06-04 12:39
 Data File
 cal 1 - 3ng.d

 Sample Type
 QC
 Sample Name
 cal 1 - 3ng

**Dilution** 1 **Acq Method** Screen THC 8-2017.m

**Position** P1-a1 **Sample Info** 

Inj Vol -1 Comment AM 26 Cannabinoid screen



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	2916	68179	0.0428	2.7674
THC-OH	3.473	16579	583830	0.0284	3.0357
THC	3.820	1721	57938	0.0297	3.3804



Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

 Acq Time
 2018-06-04 12:46
 Data File
 cal 2 - 5ng.d

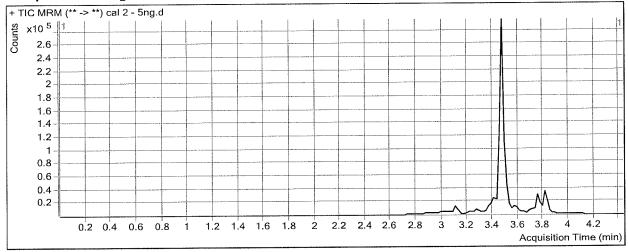
 Sample Type
 Calibration
 Sample Name
 cal 2 - 5ng

**Dilution** 1 **Acq Method** Screen THC 8-2017.m

Position P1-B1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

#### **Sample Chromatogram**



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	5661	66626	0.0850	4.6507
THC-OH	3.473	31599	658789	0.0480	4.9735
THC	3.820	2737	55710	0.0491	4.9921

A

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

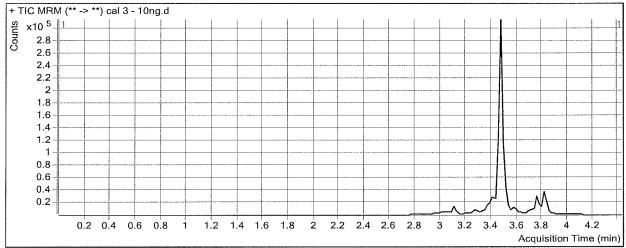
Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

Acq Time2018-06-04 12:53Data Filecal 3 - 10ng.dSample TypeCalibrationSample Namecal 3 - 10ngDilution1Acq MethodScreen THC 8-2017.m

Position P1-C1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen



Resu	ılts
------	------

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	13416	61674	0.2175	10.5674
THC-OH	3.473	63278	637139	0.0993	10.0582
THC	3.820	5652	52680	0.1073	9.8169

Batch Data Path

I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

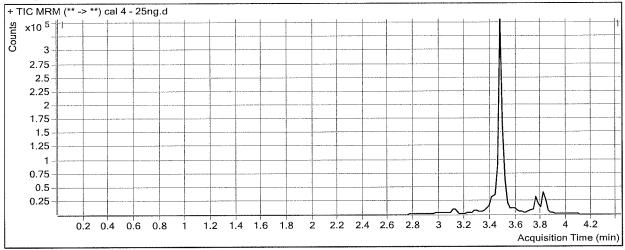
 Acq Time
 2018-06-04 12:59
 Data File
 cal 4 - 25ng.d

 Sample Type
 Calibration
 Sample Name
 cal 4 - 25ng

**Dilution** 1 **Acq Method** Screen THC 8-2017.m

Position P1-D1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	33112	56987	0.5810	26.7907
THC-OH	3.473	156475	616015	0.2540	25.3764
THC	3.820	13928	47818	0.2913	25.0828

Batch Data Path

I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time Report Time 6/5/2018 9:18 AM 6/6/2018 9:35 AM **Analyst Name** anord **Reporter Name** ISP Tox

Last Calib Update

6/5/2018 9:18 AM

Batch State Processed

**Analysis Info** 

Acq Time Sample Type 2018-06-04 13:06 Calibration

Data File Sample Name

cal 5 - 50ng.d cal 5 - 50ng

Dilution 1

Position P1-F1

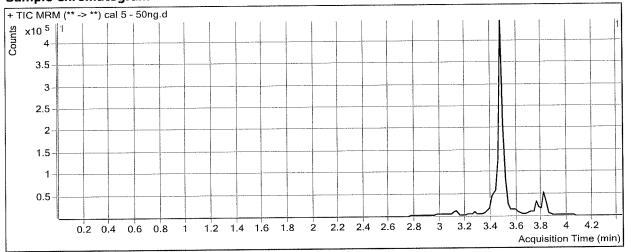
Acq Method

Screen THC 8-2017.m

Position Inj Vol P1-E1 -1 Sample Info Comment

AM 26 Cannabinoid screen

#### **Sample Chromatogram**



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	70880	68044	1.0417	47.3493
THC-OH	3.473	312594	643320	0.4859	48.3391
THC	3.820	31328	53046	0.5906	49.9162

H

Batch Data Path I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

 Acq Time
 2018-06-04 13:13
 Data File
 cal 6 - 100ng.d

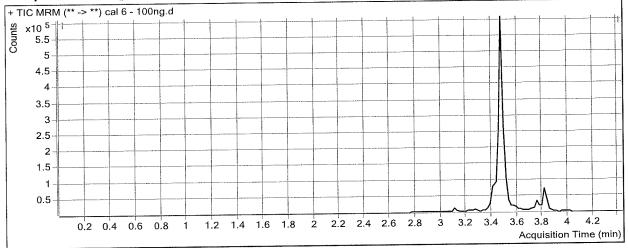
 Sample Type
 Calibration
 Sample Name
 cal 6 - 100ng

 Dilution
 1
 Acq Method
 Screen THC 8-2017.m

 Position
 P1-F1
 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

#### **Sample Chromatogram**



RT	Response	ISTD Resp	Resp Ratio	Final Conc
3.426	148318	67685	2.1913	98.6558
3.473	691774	672347	1.0289	102.1064
3,820	63012	51258	1.2293	102.9127
	3.426 3.473	3.426 148318 3.473 691774	3.426 148318 67685 3.473 691774 672347	3.426 148318 67685 2.1913 3.473 691774 672347 1.0289

A

Batch Data Path

I:\Instrument Data\CDA\Instrument 1 LCMSMS\2018 data\060418 25-26\QuantResults\cann scree

Analysis Time6/5/2018 9:18 AMAnalyst NameanordReport Time6/6/2018 9:35 AMReporter NameISP ToxLast Calib Update6/5/2018 9:18 AMBatch StateProcessed

**Analysis Info** 

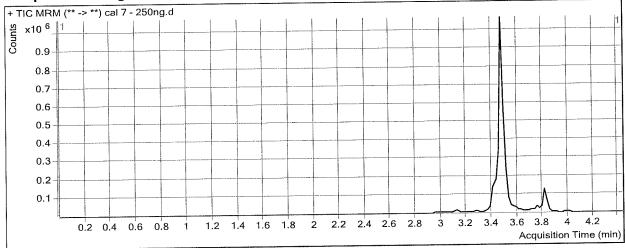
 Acq Time
 2018-06-04 13:32
 Data File
 cal 7 - 250ng.d

 Sample Type
 Calibration
 Sample Name
 cal 7 - 250ng

 Dilution
 1
 Acq Method
 Screen THC 8-2017.m

Position P1-G1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.426	341205	60639	5.6269	251.9861
	3.473	1721477	684803	2.5138	249.1465
THC-OH	<del></del>		51185	2,9693	247,2793
THC	3.820	151983	21102	2.5053	217.2733

