






















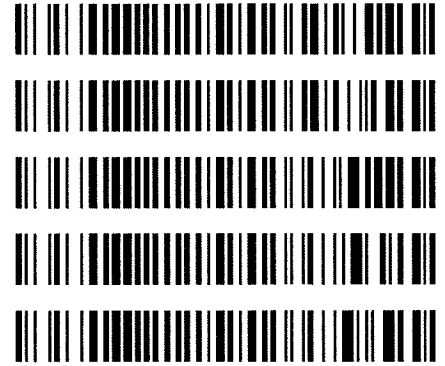


Worklist: 2393

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2018-0793	1	113912	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0856	1	114896	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0861	2	115245	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0864	1	115191	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0876	2	115225	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0892	1	115269	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0904	1	115576	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0907	2	115662	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0914	1	115703	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0918	1	115726	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0925	1	115751	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
C2018-0928	1	115761	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2017-3833	1	113587	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1526	1	114901	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1589	3	114902	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1590	1	114903	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1711	1	114904	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1711	2	112075	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1717	1	114905	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-1927	1	112943	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-2108	1	113896	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
M2018-2399	2	115413	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2018-1164	1	114897	AM 25/AM 26 Blood MultiDrug/THC Screen by L	

Worklist: 2393

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-1236	1	114898	AM 25/AM 26 Blood MultiDrug/THC Screen by L
P2018-1237	1	114899	AM 25/AM 26 Blood MultiDrug/THC Screen by L
P2018-1314	1	114750	AM 25/AM 26 Blood MultiDrug/THC Screen by L
P2018-1315	1	114754	AM 25/AM 26 Blood MultiDrug/THC Screen by L
P2018-1316	1	114757	AM 25/AM 26 Blood MultiDrug/THC Screen by L



Bylee

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

Extraction Date: 5/16/2018
Plate lot#: 0515207

Analyst: B. Wylie

Plate Expiration: 10/18/2018

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Blank Blood Lot: 17J20718

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

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: 05162018 am 25-26

Analytic:

1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
8. Wait 5 minutes.
9. Add **900uL ethyl acetate**.
10. Wait 5 minutes.
11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
12. Add **900uL ethyl acetate**.
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% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

1. Open quantitation software and create a new quantitation batch. 05162018 AM 25 p1 Worklist 2393
Batch Name: 05162018 blood screen AM 25-26 Worklist path: 05162018 AM25 MDSP2 Worklist 2393
2. Make necessary changes to integration limits
3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
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:

Phentermine, Norhydrocodone and Phenytoin not evaluated in this batch

B. Wylie

B. Wyle

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

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

AM 25 control 100 ul working solution (42318) in 9900 ul neg blood
ppd 04/23/18 exp 4/23/19 lot 42318 neg blood lot 17J20718 by Amn

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

Compound Method		p1 cal 1-1a	p1 cal 1-1a Results			Qualifier 1 M...	Qualifier 1 Resul...		ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	Area	S/N	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	5/16/2018 10:39 PM	5.321	1362	34.22	328.2 -> 211...	608	4.04	6-MAM-D6	334.2 -> 165...	5.280	44611	
7-aminoclonazepam	286.1 -> 121...	5/16/2018 10:39 PM	5.511	28276	152.33	286.1 -> 222...	20142	159.51	7-Aminoclonazepam-D4	290.1 -> 121...	5.511	136936	
Acetyl Fentanyl	323.2 -> 105...	5/16/2018 10:39 PM	6.403	24954	12.76	323.2 -> 188...	15533	37.82	Acetyl Fentanyl-D5	328.2 -> 105...	6.402	1427555	
Acetyl Norfentanyl	219.1 -> 84.2	5/16/2018 10:39 PM	4.930	5448	318.28	219.1 -> 56.3	2293	13.14	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.910	342660	
a-hydroxyalprazolam	325.1 -> 297...	5/16/2018 10:39 PM	6.383	6708	71.55	325.1 -> 215...	3536	139.17	a-hydroxyalprazolam-D5	330.1 -> 302...	6.381	29814	
alpha-PVP	232.2 -> 91.0	5/16/2018 10:39 PM	5.908	113442	86.06	232.2 -> 77.1	40999	41.35	alpha-PVP-d8	240.2 -> 91.1	5.845	517368	
Alprazolam	309.1 -> 281...	5/16/2018 10:39 PM	6.488	41013	219.28	309.1 -> 205...	38778	151.32	Alprazolam-D5	314.1 -> 286...	6.467	157647	
Amphetamine	136.1 -> 91.1	5/16/2018 10:39 PM	4.892	124883	43.31	136.1 -> 119...	68146	32.38	Amphetamine-D11	147.2 -> 130...	4.852	125237	
Bupropion	240.1 -> 184...	5/16/2018 10:39 PM	6.172	115239	750.47	240.1 -> 131...	60462	182.82	Bupropion-D9	249.2 -> 185...	6.130	501528	
Carisoprodol	261.2 -> 176...	5/16/2018 10:39 PM	6.109	47242	268.96	261.2 -> 53.3	57537	36.53	Carisoprodol-D7	268.2 -> 183...	6.108	322234	
Citalopram	325.2 -> 109...	5/16/2018 10:39 PM	6.199	160455	109.27	325.2 -> 262...	37191	83.41	Citalopram-D6	331.2 -> 109...	6.198	740793	
Clonazepam	316.1 -> 269...	5/16/2018 10:39 PM	6.324	22592	136.40	316.1 -> 213...	5641	22.47	Clonazepam-D4	320.1 -> 217...	6.323	30125	
Codeine	300.2 -> 215...	5/16/2018 10:39 PM	5.286	7544	11.31	300.2 -> 165...	6054	131.90	Codeine-D6	306.2 -> 218...	5.223	29952	
Cyclobenzaprine	276.2 -> 214...	5/16/2018 10:39 PM	6.615	94023	1714.68	276.2 -> 231...	31434	50.23	Cyclobenzaprine-D3	279.2 -> 215...	6.594	447985	
Dextromethorphan	272.2 -> 171...	5/16/2018 10:39 PM	6.311	39659	139.63	272.2 -> 147...	36767	50.44	Dextromethorphan-D3	275.2 -> 171...	6.291	198722	
Dextrophan	258.2 -> 157...	5/16/2018 10:39 PM	5.536	31412	1089.62	258.2 -> 133...	22353	63.12	Dextrophan-D3	261.2 -> 157...	5.535	179627	
Diazepam	285.1 -> 193...	5/16/2018 10:39 PM	6.714	28024	73.16	285.1 -> 153...	20415	233.52	Diazepam-D5	290.1 -> 198...	6.693	123361	
Dihydrocodeine	302.2 -> 198...	5/16/2018 10:39 PM	5.000	17641	35.30	302.2 -> 128...	12828	24.41	Dihydrocodeine-D6	308.2 -> 202...	4.959	91560	
Diphenhydramine	256.2 -> 167...	5/16/2018 10:39 PM	6.211	217195	205.06	256.2 -> 152...	57141	113.45	Diphenhydramine-D3	259.2 -> 167...	6.211	1250753	
Doxylamine	271.2 -> 182...	5/16/2018 10:39 PM	5.801	192137	288.88	271.2 -> 167...	1419...	72.23	Doxylamine-D5	276.2 -> 187...	5.780	1032006	
EDDP	279.2 -> 235...	5/16/2018 10:39 PM	6.166	104057	171.59	279.2 -> 250...	34753	115.27	EDDP-D3	282.2 -> 235...	6.166	46448	
Fentanyl	337.2 -> 105...	5/16/2018 10:39 PM	6.603	25599	14.48	337.2 -> 188...	15905	72.98	Fentanyl-D5	342.3 -> 105...	6.602	1269999	
Fluoxetine	310.1 -> 44.3	5/16/2018 10:39 PM	6.406	237887	438.74	310.1 -> 148...	7391	41.90	Oxycodone-D6	322.2 -> 304...	5.161	219358	
Hydrocodone	300.2 -> 198...	5/16/2018 10:39 PM	5.530	23772	Infinity	300.2 -> 128...	12300	Infinity	Hydrocodone-D6	306.2 -> 202...	5.467	151114	
Hydromorphone	286.2 -> 184...	5/16/2018 10:39 PM	4.782	16852	28.04	286.2 -> 157...	12810	49.68	Hydromorphone-D6	292.2 -> 185...	4.720	67030	
Ketamine	238.1 -> 125...	5/16/2018 10:39 PM	6.131	96026	366.98	238.1 -> 220...	30478	13.62	Ketamine-D4	242.1 -> 129...	6.131	369211	
Meprobamate	219.1 -> 158...	5/16/2018 10:39 PM	5.601	20064	38.99	219.1 -> 97.1	20531	39.57	Meprobamate-D7	226.2 -> 165...	5.580	118668	
Methadone	310.2 -> 265...	5/16/2018 10:39 PM	6.528	173315	128.85	310.2 -> 105...	1656...	275.87	Methadone-D9	319.3 -> 268...	6.506	923052	
Methamphetamine	150.1 -> 91.1	5/16/2018 10:39 PM	5.074	153854	99.20	150.1 -> 119...	55565	Infinity	Methamphetamine-D11	161.2 -> 97.1	5.033	379964	
Morphine	286.2 -> 201...	5/16/2018 10:39 PM	4.500	3717	13.34	286.2 -> 165...	3333	6.82	Morphine-D6	292.2 -> 152...	4.419	2820	
Naloxone	328.2 -> 309...	5/16/2018 10:39 PM	5.913	28107	44.74	328.2 -> 211...	11164	37.56	Naloxone-D5	333.2 -> 315...	5.811	212017	
Naltrexol	344.2 -> 326...	5/16/2018 10:39 PM	5.117	60382	742.69	344.2 -> 308...	11332	210.02	Naltrexol-D3	347.2 -> 329...	5.076	242624	
Naltrexone	342.2 -> 324...	5/16/2018 10:39 PM	5.422	42025	90.85	342.2 -> 55.3	37400	37.05	Naltrexone-D3	345.2 -> 327...	5.360	197436	
Norbuprenorphine	414.3 -> 101...	5/16/2018 10:39 PM	6.011	4611	366.42	414.3 -> 57.3	4681	55.97	Norbuprenorphine-D3	417.3 -> 101...	6.011	21273	
Nordiazepam	271.1 -> 140...	5/16/2018 10:39 PM	6.576	22413	152.09	271.1 -> 208...	12667	1437...	Nordiazepam-D5	276.1 -> 140...	6.555	63707	
Norfentanyl	233.2 -> 84.2	5/16/2018 10:39 PM	5.416	111303	217.94	233.2 -> 55.3	43508	41.79	Norfentanyl-D5	238.2 -> 84.2	5.395	470581	
Norhydrocodone	286.2 -> 199...	5/16/2018 10:39 PM	5.044	1452	3.23	286.2 -> 171...	531	Infinity	Norhydrocodone-D3	289.2 -> 202...	5.023	43790	
Noroxycodone	302.1 -> 284...	5/16/2018 10:39 PM	4.960	27538	18.95	302.1 -> 186...	8892	12.29	Noroxycodone-D3	305.2 -> 287...	4.939	126147	
O-desmethyl-tramadol	250.2 -> 58.3	5/16/2018 10:39 PM	4.988	161598	168.07	250.2 -> 42.3	8339	234.34	O-desmethyl-tramadol-...	256.2 -> 64.3	4.968	713277	
Oxazepam	287.1 -> 240...	5/16/2018 10:39 PM	6.389	25772	74.58	287.1 -> 268...	17679	12.93	Oxazepam-D5	292.1 -> 246...	6.388	153690	
Oxycodone	316.2 -> 298...	5/16/2018 10:39 PM	5.202	46123	44.67	316.2 -> 241...	14521	1504....	Oxycodone-D6	322.2 -> 304...	5.161	219358	
Oxymorphone	302.1 -> 284...	5/16/2018 10:39 PM	4.436	46805	24.71	302.1 -> 227...	11545	3019....	Oxymorphone-D3	305.2 -> 287...	4.414	241632	
Phentermine	150.1 -> 65.2	5/16/2018 10:39 PM	5.195	21305	Infinity	150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	5.195	306790	
Promethazine	285.1 -> 86.2	5/16/2018 10:39 PM	6.755	337376	481.30	285.1 -> 71.3	81658	71.83	Promethazine-D3	288.2 -> 89.2	6.734	1883477	
Quetiapine	384.2 -> 253...	5/16/2018 10:39 PM	6.743	185799	1119.48	384.2 -> 221...	93381	463.96	Quetiapine-D8	392.2 -> 226...	6.701	244833	
Sertraline	306.1 -> 158...	5/16/2018 10:39 PM	6.773	51235	126.02	306.1 -> 275...	50023	1020....	Sertraline-D3	309.1 -> 275...	6.772	255769	
Sufentanil	387.2 -> 238...	5/16/2018 10:39 PM	6.984	24192	364.95	387.2 -> 111...	19763	183.16	Sufentanil-D5	392.2 -> 238...	6.964	856117	
Temazepam	301.1 -> 255...	5/16/2018 10:39 PM	6.530	72222	96.13	301.1 -> 283...	26347	55.88	Temazepam-D5	306.1 -> 260...	6.530	348511	

not evaluated

not evaluated

ByDyle

Compound Method		p1 cal 1-1a	p1 cal 1-1a Results			Qualifier 1 M...	Qualifier 1 Resul...		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	Area	S/N	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	5/16/2018 10:39 PM	5.576	227265	154.86	264.2 -> 43.3	10538	7.73	Tramadol-13C-D3	268.2 -> 58.3	5.555	1079798
Trazodone	372.2 -> 176...	5/16/2018 10:39 PM	6.885	187742	100915....	372.2 -> 148...	1409...	708.22	Trazodone-D6	378.2 -> 182...	6.865	812255
Venlafaxine	278.2 -> 58.3	5/16/2018 10:39 PM	5.922	224543	200.87	278.2 -> 260...	37421	43.55	Venlafaxine-D6	284.2 -> 64.3	5.921	1021984
Zolpidem	308.2 -> 235...	5/16/2018 10:39 PM	6.428	174711	Infinity	308.2 -> 263...	65555	197.70	Zolpidem-D6	314.2 -> 235...	6.426	904307

B. Dyle

Compound Method		p1 external control	p1 external control Results			Qualifier 1 M...	Qualifier 1 Resul...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	5/16/2018 11:18 PM				328.2 -> 211...			6-MAM-D6	334.2 -> 165...	5.280	45373	
7-aminoclonazepam	286.1 -> 121...	5/16/2018 11:18 PM				286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.511	146529	
Acetyl Fentanyl	323.2 -> 105...	5/16/2018 11:18 PM				323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	6.402	15817...	
Acetyl Norfentanyl	219.1 -> 84.2	5/16/2018 11:18 PM				219.1 -> 56.3			Acetyl Norfentanyl-D5	224.2 -> 84.2	4.910	367731	
a-hydroxyalprazolam	325.1 -> 297...	5/16/2018 11:18 PM				325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	6.381	36778	
alpha-PVP	232.2 -> 91.0	5/16/2018 11:18 PM				232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1	5.845	531491	
Alprazolam	309.1 -> 281...	5/16/2018 11:18 PM				309.1 -> 205...			Alprazolam-D5	314.1 -> 286...	6.467	154767	
Amphetamine	136.1 -> 91.1	5/16/2018 11:18 PM	4.913	24821	14.60	136.1 -> 119...			Amphetamine-D11	147.2 -> 130...	4.852	123247	
Bupropion	240.1 -> 184...	5/16/2018 11:18 PM				240.1 -> 131...			Bupropion-D9	249.2 -> 185...	6.130	525505	
Carisoprodol	261.2 -> 176...	5/16/2018 11:18 PM				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	6.108	349283	
Citalopram	325.2 -> 109...	5/16/2018 11:18 PM				325.2 -> 262...			Citalopram-D6	331.2 -> 109...	6.198	814248	
Clonazepam	316.1 -> 269...	5/16/2018 11:18 PM				316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	6.323	34607	
Codeine	300.2 -> 215...	5/16/2018 11:18 PM	5.530	8933	40.49	300.2 -> 165...	55.83	25796	Codeine-D6	306.2 -> 218...	5.223	31253	
Cyclobenzaprine	276.2 -> 214...	5/16/2018 11:18 PM				276.2 -> 231...			Cyclobenzaprine-D3	279.2 -> 215...	6.594	479034	
Dextromethorphan	272.2 -> 171...	5/16/2018 11:18 PM				272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	6.291	223982	
Dextrorphan	258.2 -> 157...	5/16/2018 11:18 PM				258.2 -> 133...			Dextrorphan-D3	261.2 -> 157...	5.535	203693	
Diazepam	285.1 -> 193...	5/16/2018 11:18 PM				285.1 -> 153...			Diazepam-D5	290.1 -> 198...	6.693	128865	
Dihydrocodeine	302.2 -> 198...	5/16/2018 11:18 PM				302.2 -> 128...			Dihydrocodeine-D6	308.2 -> 202...	4.959	100014	
Diphenhydramine	256.2 -> 167...	5/16/2018 11:18 PM				256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	6.211	13233...	
Doxylamine	271.2 -> 182...	5/16/2018 11:18 PM				271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.780	10524...	
EDDP	279.2 -> 235...	5/16/2018 11:18 PM				279.2 -> 250...			EDDP-D3	282.2 -> 235...	6.166	39541	
Fentanyl	337.2 -> 105...	5/16/2018 11:18 PM				337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	6.602	13964...	
Fluoxetine	310.1 -> 44.3	5/16/2018 11:18 PM				310.1 -> 148...			Oxycodone-D6	322.2 -> 304...	5.161	236083	
Hydrocodone	300.2 -> 198...	5/16/2018 11:18 PM	5.530	289269	Infinity	300.2 -> 128...	Infinity	1436...	Hydrocodone-D6	306.2 -> 202...	5.467	158463	
Hydromorphone	286.2 -> 184...	5/16/2018 11:18 PM	4.782	199172	138.77	286.2 -> 157...	210.47	1436...	Hydromorphone-D6	292.2 -> 185...	4.720	70019	
Ketamine	238.1 -> 125...	5/16/2018 11:18 PM				238.1 -> 220...			Ketamine-D4	242.1 -> 129...	6.131	398664	
Meprobamate	219.1 -> 158...	5/16/2018 11:18 PM				219.1 -> 97.1			Meprobamate-D7	226.2 -> 165...	5.580	130758	
Methadone	310.2 -> 265...	5/16/2018 11:18 PM				310.2 -> 105...			Methadone-D9	319.3 -> 268...	6.506	939923	
Methamphetamine	150.1 -> 91.1	5/16/2018 11:18 PM	5.053	44824	2.31	150.1 -> 119...	Infinity	18480	Methamphetamine-D11	161.2 -> 97.1	5.033	398015	
Morphine	286.2 -> 201...	5/16/2018 11:18 PM				286.2 -> 165...			Morphine-D6	292.2 -> 152...	4.439	3135	
Naloxone	328.2 -> 309...	5/16/2018 11:18 PM				328.2 -> 211...			Naloxone-D5	333.2 -> 315...	5.811	235880	
Naltrexol	344.2 -> 326...	5/16/2018 11:18 PM				344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	5.076	240677	
Naltrexone	342.2 -> 324...	5/16/2018 11:18 PM				342.2 -> 55.3			Naltrexone-D3	345.2 -> 327...	5.360	192928	
Norbuprenorphine	414.3 -> 101...	5/16/2018 11:18 PM				414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101...	6.011	22909	
Nordiazepam	271.1 -> 140...	5/16/2018 11:18 PM				271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.555	76211	
Norfentanyl	233.2 -> 84.2	5/16/2018 11:18 PM				233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5.395	522339	
Norhydrocodone	286.2 -> 199...	5/16/2018 11:18 PM	4.802	9159	1104.10	286.2 -> 171...	16.88	5188	Norhydrocodone-D3	289.2 -> 202...	5.023	51202	
Noroxycodone	302.1 -> 284...	5/16/2018 11:18 PM				302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	4.939	133178	
O-desmethyl-tramadol	250.2 -> 58.3	5/16/2018 11:18 PM				250.2 -> 42.3			O-desmethyl-tramadol...	256.2 -> 64.3	4.968	772082	
Oxazepam	287.1 -> 240...	5/16/2018 11:18 PM				287.1 -> 268...			Oxazepam-D5	292.1 -> 246...	6.388	190899	
Oxycodone	316.2 -> 298...	5/16/2018 11:18 PM				316.2 -> 241...			Oxycodone-D6	322.2 -> 304...	5.161	236083	
Oxymorphone	302.1 -> 284...	5/16/2018 11:18 PM				302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	4.414	235508	
Phentermine	150.1 -> 65.2	5/16/2018 11:18 PM				150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	5.195	359841	
Promethazine	285.1 -> 86.2	5/16/2018 11:18 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.734	20161...	
Quetiapine	384.2 -> 253...	5/16/2018 11:18 PM				384.2 -> 221...			Quetiapine-D8	392.2 -> 226...	6.701	261357	
Sertraline	306.1 -> 158...	5/16/2018 11:18 PM	6.773	588453	3479.74	306.1 -> 275...	1025....	5786...	Sertraline-D3	309.1 -> 275...	6.752	260680	
Sufentanil	387.2 -> 238...	5/16/2018 11:18 PM				387.2 -> 111...			Sufentanil-D5	392.2 -> 238...	6.964	889466	
Temazepam	301.1 -> 255...	5/16/2018 11:18 PM				301.1 -> 283...			Temazepam-D5	306.1 -> 260...	6.530	367653	

not evaluated

not evaluated

D. Dyle

Compound Method		p1 external conrol	p1 external conrol Results			Qualifier 1 M...	Qualifier 1 Resul...		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	5/16/2018 11:18 PM				264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3	5.555	11110...
Trazodone	372.2 -> 176...	5/16/2018 11:18 PM				372.2 -> 148...			Trazodone-D6	378.2 -> 182...	6.865	880123
Venlafaxine	278.2 -> 58.3	5/16/2018 11:18 PM				278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.921	10939...
Zolpidem	308.2 -> 235...	5/16/2018 11:18 PM				308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	6.426	879348

BWylee

Compound Method		p1 negative		p1 negative Results			Qualifier 1 M...		Qualifier 1 Re...		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.		
6-MAM	328.2 -> 165...	5/16/2018 10:59 PM				328.2 -> 211...			6-MAM-D6	334.2 -> 165...	5.280	44668		
7-aminoclonazepam	286.1 -> 121...	5/16/2018 10:59 PM				286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.511	146938		
Acetyl Fentanyl	323.2 -> 105...	5/16/2018 10:59 PM				323.2 -> 188...			Acetyl Fentanyl-D5	328.2 -> 105...	6.402	15810...		
Acetyl Norfentanyl	219.1 -> 84.2	5/16/2018 10:59 PM				219.1 -> 56.3			Acetyl Norfentanyl-D5	224.2 -> 84.2	4.910	371295		
a-hydroxyalprazolam	325.1 -> 297...	5/16/2018 10:59 PM				325.1 -> 215...			a-hydroxyalprazolam-D5	330.1 -> 302...	6.381	32830		
alpha-PVP	232.2 -> 91.0	5/16/2018 10:59 PM				232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1	5.845	528039		
Alprazolam	309.1 -> 281...	5/16/2018 10:59 PM				309.1 -> 205...			Alprazolam-D5	314.1 -> 286...	6.467	152405		
Amphetamine	136.1 -> 91.1	5/16/2018 10:59 PM	4.913	18850	11.76	136.1 -> 119...			Amphetamine-D11	147.2 -> 130...	4.852	114598		
Bupropion	240.1 -> 184...	5/16/2018 10:59 PM				240.1 -> 131...			Bupropion-D9	249.2 -> 185...	6.130	537866		
Carisoprodol	261.2 -> 176...	5/16/2018 10:59 PM				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	6.108	331525		
Citalopram	325.2 -> 109...	5/16/2018 10:59 PM				325.2 -> 262...			Citalopram-D6	331.2 -> 109...	6.198	761820		
Clonazepam	316.1 -> 269...	5/16/2018 10:59 PM				316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	6.323	34660		
Codeine	300.2 -> 215...	5/16/2018 10:59 PM				300.2 -> 165...			Codeine-D6	306.2 -> 218...	5.223	28782		
Cyclobenzaprine	276.2 -> 214...	5/16/2018 10:59 PM				276.2 -> 231...			Cyclobenzaprine-D3	279.2 -> 215...	6.594	500194		
Dextromethorphan	272.2 -> 171...	5/16/2018 10:59 PM				272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	6.291	229396		
Dextrophan	258.2 -> 157...	5/16/2018 10:59 PM				258.2 -> 133...			Dextrophan-D3	261.2 -> 157...	5.535	201327		
Diazepam	285.1 -> 193...	5/16/2018 10:59 PM				285.1 -> 153...			Diazepam-D5	290.1 -> 198...	6.693	126320		
Dihydrocodeine	302.2 -> 198...	5/16/2018 10:59 PM				302.2 -> 128...			Dihydrocodeine-D6	308.2 -> 202...	4.959	95352		
Diphenhydramine	256.2 -> 167...	5/16/2018 10:59 PM				256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	6.211	13918...		
Doxylamine	271.2 -> 182...	5/16/2018 10:59 PM				271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.800	10324...		
EDDP	279.2 -> 235...	5/16/2018 10:59 PM				279.2 -> 250...			EDDP-D3	282.2 -> 235...	6.166	38050		
Fentanyl	337.2 -> 105...	5/16/2018 10:59 PM				337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	6.602	14150...		
Fluoxetine	310.1 -> 44.3	5/16/2018 10:59 PM				310.1 -> 148...			Oxycodone-D6	322.2 -> 304...	5.161	219321		
Hydrocodone	300.2 -> 198...	5/16/2018 10:59 PM				300.2 -> 128...			Hydrocodone-D6	306.2 -> 202...	5.467	159913		
Hydromorphone	286.2 -> 184...	5/16/2018 10:59 PM				286.2 -> 157...			Hydromorphone-D6	292.2 -> 185...	4.720	66664		
Ketamine	238.1 -> 125...	5/16/2018 10:59 PM				238.1 -> 220...			Ketamine-D4	242.1 -> 129...	6.131	409502		
Meprobamate	219.1 -> 158...	5/16/2018 10:59 PM				219.1 -> 97.1			Meprobamate-D7	226.2 -> 165...	5.580	134850		
Methadone	310.2 -> 265...	5/16/2018 10:59 PM				310.2 -> 105...			Methadone-D9	319.3 -> 268...	6.506	965018		
Methamphetamine	150.1 -> 91.1	5/16/2018 10:59 PM	5.074	48876	4.02	150.1 -> 119...	Infini...	21142	Methamphetamine-D11	161.2 -> 97.1	5.033	369942		
Morphine	286.2 -> 201...	5/16/2018 10:59 PM				286.2 -> 165...			Morphine-D6	292.2 -> 152...	4.439	2909		
Naloxone	328.2 -> 309...	5/16/2018 10:59 PM				328.2 -> 211...			Naloxone-D5	333.2 -> 315...	5.811	221056		
Naltrexol	344.2 -> 326...	5/16/2018 10:59 PM				344.2 -> 308...			Naltrexol-D3	347.2 -> 329...	5.076	237310		
Naltrexone	342.2 -> 324...	5/16/2018 10:59 PM				342.2 -> 55.3			Naltrexone-D3	345.2 -> 327...	5.360	189578		
Norbuprenorphine	414.3 -> 101...	5/16/2018 10:59 PM				414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 101...	6.011	22560		
Nordiazepam	271.1 -> 140...	5/16/2018 10:59 PM				271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.555	82825		
Norfentanyl	233.2 -> 84.2	5/16/2018 10:59 PM				233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5.395	553097		
Norhydrocodone	286.2 -> 199...	5/16/2018 10:59 PM				286.2 -> 171...			Norhydrocodone-D3	289.2 -> 202...	5.023	51332		
Noroxycodone	302.1 -> 284...	5/16/2018 10:59 PM				302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	4.939	124269		
O-desmethyl-tramadol	250.2 -> 58.3	5/16/2018 10:59 PM				250.2 -> 42.3			O-desmethyl-tramadol...	256.2 -> 64.3	4.968	751046		
Oxazepam	287.1 -> 240...	5/16/2018 10:59 PM				287.1 -> 268...			Oxazepam-D5	292.1 -> 246...	6.388	187587		
Oxycodone	316.2 -> 298...	5/16/2018 10:59 PM				316.2 -> 241...			Oxycodone-D6	322.2 -> 304...	5.161	219321		
Oxymorphone	302.1 -> 284...	5/16/2018 10:59 PM				302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	4.414	229293		
Phentermine	150.1 -> 65.2	5/16/2018 10:59 PM				150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	5.195	340546		
Promethazine	285.1 -> 86.2	5/16/2018 10:59 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.734	21114...		
Quetiapine	384.2 -> 253...	5/16/2018 10:59 PM				384.2 -> 221...			Quetiapine-D8	392.2 -> 226...	6.701	260661		
Sertraline	306.1 -> 158...	5/16/2018 10:59 PM				306.1 -> 275...			Sertraline-D3	309.1 -> 275...	6.752	290780		
Sufentanil	387.2 -> 238...	5/16/2018 10:59 PM				387.2 -> 111...			Sufentanil-D5	392.2 -> 238...	6.964	884927		
Temazepam	301.1 -> 255...	5/16/2018 10:59 PM				301.1 -> 283...			Temazepam-D5	306.1 -> 260...	6.530	370344		

Bygler

Compound Method		p1 negative	p1 negative Results			Qualifier 1 M...	Qualifier 1 Re...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	
Tramadol	264.2 -> 58.3	5/16/2018 10:59 PM				264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3	5.555	11081...	
Trazodone	372.2 -> 176...	5/16/2018 10:59 PM				372.2 -> 148...			Trazodone-D6	378.2 -> 182...	6.865	847938	
Venlafaxine	278.2 -> 58.3	5/16/2018 10:59 PM				278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.901	10827...	
Zolpidem	308.2 -> 235...	5/16/2018 10:59 PM				308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	6.426	845177	

BWylee

Compound Method		p2 cal 1-1b		p2 cal 1-1b Results			Qualifier 1 M...	Qualifier 1 Result...		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	
7-aminoflunitrazepam	284.1 -> 135...	5/16/2018 10:49 PM	5.701	38398	140.87	284.1 -> 93.2	497.23	10981	7-aminoflunitrazepam-D7	291.2 -> 138...	5.699	197378	
alpha-hydroxymidazolam	342.1 -> 324...	5/16/2018 10:49 PM	6.468	43023	100.40	342.1 -> 203...	3394...	26676	alpha-hydroxymidazolam-...	346.1 -> 328...	6.468	231656	
Amitriptyline	278.2 -> 91.2	5/16/2018 10:49 PM	6.742	151598	Infinity	278.2 -> 105...	Infinity	83121	Amitriptyline-D3	281.2 -> 91.2	6.740	483113	
Amoxapine	314.1 -> 271...	5/16/2018 10:49 PM	6.675	32243	Infinity	314.1 -> 193...	3060...	15936	Amitriptyline-D3	281.2 -> 91.2	6.740	483113	
Benzoylcegonine	290.1 -> 168...	5/16/2018 10:49 PM	5.312	15048	295.71	290.1 -> 105...	551.61	9944	Benzoylcegonine-D8	298.2 -> 171...	5.289	5448	
Carbamazepine	237.1 -> 193...	5/16/2018 10:49 PM	6.137	21229	73.74	237.1 -> 194...	Infinity	1796...	Carbamazepine-13C6	243.1 -> 200...	6.137	949404	
Chlordiazepoxide	300.1 -> 227...	5/16/2018 10:49 PM	6.596	22554	169.41	300.1 -> 282...	13.61	8598	Chlordiazepoxide-D5	305.1 -> 286...	6.596	157621	
Clomipramine	315.2 -> 86.2	5/16/2018 10:49 PM	7.081	241589	373.09	315.2 -> 58.3	140.31	1557...	Clomipramine-D3	318.2 -> 89.2	7.038	1181884	
Cocaine	304.2 -> 182...	5/16/2018 10:49 PM	5.862	123919	142.39	304.2 -> 105...	28.94	34243	Cocaine-D3	307.2 -> 185...	5.821	512339	
Desipramine	267.2 -> 72.3	5/16/2018 10:49 PM	6.520	223315	24038...	267.2 -> 44.3	981.38	1111...	Desipramine-D3	270.2 -> 75.3	6.500	1007188	
Doxepin	280.2 -> 107...	5/16/2018 10:49 PM	6.437	108678	Infinity	280.2 -> 77.2	Infinity	37031	Doxepin-D3	283.2 -> 107...	6.416	561140	
Estazolam	295.1 -> 267...	5/16/2018 10:49 PM	6.414	46306	Infinity	295.1 -> 205...	240.72	38466	Estazolam-D5	300.1 -> 272...	6.392	224870	
Flunitrazepam	314.1 -> 268...	5/16/2018 10:49 PM	6.432	35379	7619.94	314.1 -> 239...	179.16	13835	Flunitrazepam-D7	321.1 -> 245...	6.431	9033	
Flurazepam	388.2 -> 315...	5/16/2018 10:49 PM	6.608	123996	900.83	388.2 -> 317...	1109...	28813	Zopiclone-D4	393.1 -> 244...	6.425	96490	
Imipramine	281.2 -> 86.2	5/16/2018 10:49 PM	6.680	342696	Infinity	281.2 -> 58.3	Infinity	2109...	Imipramine-D3	284.2 -> 61.3	6.659	1039519	
Levamisole	205.1 -> 91.2	5/16/2018 10:49 PM	5.407	38544	19.25	205.1 -> 178...	77.04	31027	Cocaine-D3	307.2 -> 185...	5.821	512339	
Maprotiline	278.2 -> 91.2	5/16/2018 10:49 PM	6.519	46209	21.84	278.2 -> 117...	2010...	34631	Meperidine-D4	252.2 -> 224...	5.891	266395	
MDA	180.1 -> 163...	5/16/2018 10:49 PM	5.044	33360	256.25	180.1 -> 105...	69.53	24860	MDA-D5	185.1 -> 168...	5.044	183748	
MDEA	208.1 -> 163...	5/16/2018 10:49 PM	5.344	76317	Infinity	208.1 -> 105...	416.72	63270	MDEA-D6	214.2 -> 166...	5.323	368576	
MDMA	194.1 -> 163...	5/16/2018 10:49 PM	5.184	59335	627.25	194.1 -> 105...	Infinity	39897	MDMA-D6	200.2 -> 166...	5.163	32239	
Meperidine	248.2 -> 220...	5/16/2018 10:49 PM	5.892	53852	110.58	248.2 -> 174...	173.77	28508	Meperidine-D4	252.2 -> 224...	5.891	266395	
Methylphenidate	234.2 -> 84.2	5/16/2018 10:49 PM	5.709	213439	Infinity	234.2 -> 56.3	Infinity	52274	Meperidine-D4	252.2 -> 224...	5.891	266395	
Metoprolol	268.2 -> 116...	5/16/2018 10:49 PM	5.539	21627	176.92	268.2 -> 56.3	220.92	21586	Meperidine-D4	252.2 -> 224...	5.891	266395	
Midazolam	326.1 -> 223...	5/16/2018 10:49 PM	6.633	18311	275.97	326.1 -> 249...	3756...	18085	Midazolam-D4	330.1 -> 295...	6.632	290203	
Mirtazapine	266.2 -> 195...	5/16/2018 10:49 PM	6.562	162685	188.79	266.2 -> 72.3	514.59	1213...	Midazolam-D4	330.1 -> 295...	6.632	290203	
Mitragynine	399.2 -> 174...	5/16/2018 10:49 PM	6.607	52973	170.92	399.2 -> 238...	2871...	24095	Carbamazepine-13C6	243.1 -> 200...	6.137	949404	
Normeperidine	234.1 -> 42.3	5/16/2018 10:49 PM	5.709	53604	Infinity	234.1 -> 160...	60.38	30068	Normeperidine-D4	238.2 -> 164...	5.708	146415	
Norpropoxyphene	326.2 -> 44.3	5/16/2018 10:49 PM	6.368	32905	30.82	326.2 -> 252...	23.94	12183	Norpropoxyphene-D5	331.2 -> 44.3	6.347	138323	
Nortriptyline	264.2 -> 91.2	5/16/2018 10:49 PM	6.562	60066	Infinity	264.2 -> 233...	Infinity	55870	Nortriptyline-D3	267.2 -> 233...	6.561	240629	
Ondansetron	294.2 -> 184...	5/16/2018 10:49 PM	6.190	82109	657.23	294.2 -> 212...	36.01	45088	Pentazocine-13C3	289.2 -> 72.3	5.803	440217	
Pentazocine	286.2 -> 218...	5/16/2018 10:49 PM	5.783	96381	451.05	286.2 -> 41.3	42.95	1198...	Pentazocine-13C3	289.2 -> 72.3	5.803	440217	
Phenazepam	349.0 -> 206...	5/16/2018 10:49 PM	6.508	44291	496.57	349.0 -> 183...	303.71	31756	Phenazepam-D4	353.0 -> 183...	6.507	14122	
Phencyclidine	244.2 -> 86.2	5/16/2018 10:49 PM	6.055	147941	122.78	244.2 -> 91.1	Infinity	1082...	Phencyclidine-D5	249.2 -> 86.2	6.034	816257	
Phenytoin	253.1 -> 104...	5/16/2018 10:49 PM	6.054	3228	3.66	253.1 -> 182...	555.28	3544	Phenytoin-D10	263.2 -> 192...	6.013	15734	
Prazepam	325.1 -> 271...	5/16/2018 10:49 PM	6.956	131520	648.46	325.1 -> 140...	166.56	33306	Prazepam-D5	330.1 -> 276...	6.954	576983	
Primidone	219.1 -> 91.2	5/16/2018 10:49 PM	5.385	13619	12.79	219.1 -> 162...	56.50	8791	Prazepam-D5	330.1 -> 276...	6.954	576983	
Propoxyphene	340.2 -> 58.3	5/16/2018 10:49 PM	6.550	237918	203.22	340.2 -> 266...	345.39	47498	Propoxyphene-D11	351.3 -> 277...	6.487	230715	
Protriptyline	264.2 -> 155...	5/16/2018 10:49 PM	6.440	420842	53622...	264.2 -> 191...	5993...	5484...	Nortriptyline-D3	267.2 -> 233...	6.561	240629	
Pseudoephedrine	166.1 -> 148...	5/16/2018 10:49 PM	4.661	791843	1288.52	166.1 -> 133...	173.20	1589...	Pseudoephedrine-D3	169.1 -> 151...	4.660	383163	
Tapentadol	222.2 -> 107...	5/16/2018 10:49 PM	5.547	118612	858.57	222.2 -> 121...	177.96	43683	Tapentadol-D3	225.2 -> 107...	5.547	596483	
Trimipramine	295.2 -> 100...	5/16/2018 10:49 PM	6.820	405841	148.08	295.2 -> 58.3	Infinity	2528...	Trimipramine-D3	298.2 -> 103...	6.800	1972718	
Verapamil	455.3 -> 165...	5/16/2018 10:49 PM	6.566	146131	276.89	455.3 -> 150...	3979...	42690	Trimipramine-D3	298.2 -> 103...	6.800	1972718	
Zaleplon	306.1 -> 236...	5/16/2018 10:49 PM	6.228	41487	981.79	306.1 -> 264...	216.09	33695	Zaleplon-D4	310.2 -> 240...	6.228	166503	
Zopiclone	389.1 -> 244...	5/16/2018 10:49 PM	6.425	8285	75.60	389.1 -> 216...	22.44	4046	Zopiclone-D4	393.1 -> 244...	6.425	96490	

not
evaluated

Bylee

Compound Method		p2 external control		p2 external control Results			Qualifier 1 M...			Qualifier 1 Resul...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.				
7-aminoflunitrazepam	284.1 -> 135...	5/16/2018 11:28 PM				284.1 -> 93.2			7-aminoflunitrazepam-D7	291.2 -> 138...	5.699	208173				
alpha-hydroxymidazolam	342.1 -> 324...	5/16/2018 11:28 PM				342.1 -> 203...			alpha-hydroxymidazolam...	346.1 -> 328...	6.468	259754				
Amitriptyline	278.2 -> 91.2	5/16/2018 11:28 PM				278.2 -> 105...			Amitriptyline-D3	281.2 -> 91.2	6.740	484796				
Amoxapine	314.1 -> 271...	5/16/2018 11:28 PM				314.1 -> 193...			Amitriptyline-D3	281.2 -> 91.2	6.740	484796				
Benzoylcegonine	290.1 -> 168...	5/16/2018 11:28 PM				290.1 -> 105...			Benzoylcegonine-D8	298.2 -> 171...	5.289	5735				
Carbamazepine	237.1 -> 193...	5/16/2018 11:28 PM				237.1 -> 194...			Carbamazepine-13C6	243.1 -> 200...	6.137	10634...				
Chlordiazepoxide	300.1 -> 227...	5/16/2018 11:28 PM				300.1 -> 282...			Chlordiazepoxide-D5	305.1 -> 286...	6.596	189922				
Clomipramine	315.2 -> 86.2	5/16/2018 11:28 PM				315.2 -> 58.3			Clomipramine-D3	318.2 -> 89.2	7.038	11413...				
Cocaine	304.2 -> 182...	5/16/2018 11:28 PM				304.2 -> 105...			Cocaine-D3	307.2 -> 185...	5.821	554778				
Desipramine	267.2 -> 72.3	5/16/2018 11:28 PM				267.2 -> 44.3			Desipramine-D3	270.2 -> 75.3	6.520	11824...				
Doxepin	280.2 -> 107...	5/16/2018 11:28 PM				280.2 -> 77.2			Doxepin-D3	283.2 -> 107...	6.416	615754				
Estazolam	295.1 -> 267...	5/16/2018 11:28 PM				295.1 -> 205...			Estazolam-D5	300.1 -> 272...	6.392	241656				
Flunitrazepam	314.1 -> 268...	5/16/2018 11:28 PM				314.1 -> 239...			Flunitrazepam-D7	321.1 -> 245...	6.431	8943				
Flurazepam	388.2 -> 315...	5/16/2018 11:28 PM				388.2 -> 317...			Zopiclone-D4	393.1 -> 244...	6.425	92175				
Imipramine	281.2 -> 86.2	5/16/2018 11:28 PM				281.2 -> 58.3			Imipramine-D3	284.2 -> 61.3	6.659	11248...				
Levamisole	205.1 -> 91.2	5/16/2018 11:28 PM				205.1 -> 178...			Cocaine-D3	307.2 -> 185...	5.821	554778				
Maprotiline	278.2 -> 91.2	5/16/2018 11:28 PM	6.539	5623	1.10	278.2 -> 117...			Meperidine-D4	252.2 -> 224...	5.891	322946				
MDA	180.1 -> 163...	5/16/2018 11:28 PM				180.1 -> 105...			MDA-D5	185.1 -> 168...	5.044	205983				
MDEA	208.1 -> 163...	5/16/2018 11:28 PM				208.1 -> 105...			MDEA-D6	214.2 -> 166...	5.323	414453				
MDMA	194.1 -> 163...	5/16/2018 11:28 PM				194.1 -> 105...			MDMA-D6	200.2 -> 166...	5.163	36765				
Meperidine	248.2 -> 220...	5/16/2018 11:28 PM				248.2 -> 174...			Meperidine-D4	252.2 -> 224...	5.891	322946				
Methylphenidate	234.2 -> 84.2	5/16/2018 11:28 PM				234.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.891	322946				
Metoprolol	268.2 -> 116...	5/16/2018 11:28 PM				268.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.891	322946				
Midazolam	326.1 -> 223...	5/16/2018 11:28 PM				326.1 -> 249...			Midazolam-D4	330.1 -> 295...	6.632	317436				
Mirtazapine	266.2 -> 195...	5/16/2018 11:28 PM				266.2 -> 72.3			Midazolam-D4	330.1 -> 295...	6.632	317436				
Mitragynine	399.2 -> 174...	5/16/2018 11:28 PM				399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	6.137	10634...				
Normeperidine	234.1 -> 42.3	5/16/2018 11:28 PM				234.1 -> 160...			Normeperidine-D4	238.2 -> 164...	5.708	186842				
Norpropoxyphene	326.2 -> 44.3	5/16/2018 11:28 PM				326.2 -> 252...			Norpropoxyphene-D5	331.2 -> 44.3	6.347	148400				
Nortriptyline	264.2 -> 91.2	5/16/2018 11:28 PM	6.562	824130	Infinity	264.2 -> 233...	Infinity	7046...	Nortriptyline-D3	267.2 -> 233...	6.561	279339				
Ondansetron	294.2 -> 184...	5/16/2018 11:28 PM				294.2 -> 212...			Pentazocine-13C3	289.2 -> 72.3	5.803	434271				
Pentazocine	286.2 -> 218...	5/16/2018 11:28 PM				286.2 -> 41.3			Pentazocine-13C3	289.2 -> 72.3	5.803	434271				
Phenazepam	349.0 -> 206...	5/16/2018 11:28 PM				349.0 -> 183...			Phenazepam-D4	353.0 -> 183...	6.507	18297				
Phencyclidine	244.2 -> 86.2	5/16/2018 11:28 PM				244.2 -> 91.1			Phencyclidine-D5	249.2 -> 86.2	6.034	828758				
Phenytoin	253.1 -> 104...	5/16/2018 11:28 PM				253.1 -> 182...			Phenytoin-D10	263.2 -> 192...	6.013	19795				
Prazepam	325.1 -> 271...	5/16/2018 11:28 PM				325.1 -> 140...			Prazepam-D5	330.1 -> 276...	6.954	585126				
Primidone	219.1 -> 91.2	5/16/2018 11:28 PM				219.1 -> 162...			Prazepam-D5	330.1 -> 276...	6.954	585126				
Propoxyphene	340.2 -> 58.3	5/16/2018 11:28 PM				340.2 -> 266...			Propoxyphene-D11	351.3 -> 277...	6.507	245012				
Protriptyline	264.2 -> 155...	5/16/2018 11:28 PM	6.562	75547	Infinity	264.2 -> 191...	1331....	1759...	Nortriptyline-D3	267.2 -> 233...	6.561	279339				
Pseudoephedrine	166.1 -> 148...	5/16/2018 11:28 PM				166.1 -> 133...			Pseudoephedrine-D3	169.1 -> 151...	4.660	367802				
Tapentadol	222.2 -> 107...	5/16/2018 11:28 PM				222.2 -> 121...			Tapentadol-D3	225.2 -> 107...	5.547	649515				
Trimipramine	295.2 -> 100...	5/16/2018 11:28 PM				295.2 -> 58.3			Trimipramine-D3	298.2 -> 103...	6.800	21041...				
Verapamil	455.3 -> 165...	5/16/2018 11:28 PM				455.3 -> 150...			Trimipramine-D3	298.2 -> 103...	6.800	21041...				
Zaleplon	306.1 -> 236...	5/16/2018 11:28 PM				306.1 -> 264...			Zaleplon-D4	310.2 -> 240...	6.228	183753				
Zopiclone	389.1 -> 244...	5/16/2018 11:28 PM				389.1 -> 216...			Zopiclone-D4	393.1 -> 244...	6.425	92175				

Boylee

Compound Method		p2 negative		p2 negative Results			Qualifier 1 M...			Qualifier...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.				
7-aminoflunitrazepam	284.1 -> 135...	5/16/2018 11:08 PM				284.1 -> 93.2			7-aminoflunitrazepam-D7	291.2 -> 138...	5.699	187346				
alpha-hydroxymidazolam	342.1 -> 324...	5/16/2018 11:08 PM				342.1 -> 203...			alpha-hydroxymidazolam-...	346.1 -> 328...	6.468	257679				
Amitriptyline	278.2 -> 91.2	5/16/2018 11:08 PM				278.2 -> 105...			Amitriptyline-D3	281.2 -> 91.2	6.720	525609				
Amoxapine	314.1 -> 271...	5/16/2018 11:08 PM				314.1 -> 193...			Amitriptyline-D3	281.2 -> 91.2	6.720	525609				
Benzoylcegonine	290.1 -> 168...	5/16/2018 11:08 PM				290.1 -> 105...			Benzoylcegonine-D8	298.2 -> 171...	5.289	5444				
Carbamazepine	237.1 -> 193...	5/16/2018 11:08 PM				237.1 -> 194...			Carbamazepine-13C6	243.1 -> 200...	6.137	10126...				
Chlordiazepoxide	300.1 -> 227...	5/16/2018 11:08 PM				300.1 -> 282...			Chlordiazepoxide-D5	305.1 -> 286...	6.596	201540				
Clomipramine	315.2 -> 86.2	5/16/2018 11:08 PM				315.2 -> 58.3			Clomipramine-D3	318.2 -> 89.2	7.038	11622...				
Cocaine	304.2 -> 182...	5/16/2018 11:08 PM				304.2 -> 105...			Cocaine-D3	307.2 -> 185...	5.821	534701				
Desipramine	267.2 -> 72.3	5/16/2018 11:08 PM				267.2 -> 44.3			Desipramine-D3	270.2 -> 75.3	6.520	12019...				
Doxepin	280.2 -> 107...	5/16/2018 11:08 PM				280.2 -> 77.2			Doxepin-D3	283.2 -> 107...	6.416	640543				
Estazolam	295.1 -> 267...	5/16/2018 11:08 PM				295.1 -> 205...			Estazolam-D5	300.1 -> 272...	6.392	237236				
Flunitrazepam	314.1 -> 268...	5/16/2018 11:08 PM				314.1 -> 239...			Flunitrazepam-D7	321.1 -> 245...	6.431	9029				
Flurazepam	388.2 -> 315...	5/16/2018 11:08 PM				388.2 -> 317...			Zopiclone-D4	393.1 -> 244...	6.425	105556				
Imipramine	281.2 -> 86.2	5/16/2018 11:08 PM				281.2 -> 58.3			Imipramine-D3	284.2 -> 61.3	6.659	11498...				
Levamisole	205.1 -> 91.2	5/16/2018 11:08 PM				205.1 -> 178...			Cocaine-D3	307.2 -> 185...	5.821	534701				
Maprotiline	278.2 -> 91.2	5/16/2018 11:08 PM	6.499	4171	Infinity	278.2 -> 117...			Meperidine-D4	252.2 -> 224...	5.891	301275				
MDA	180.1 -> 163...	5/16/2018 11:08 PM				180.1 -> 105...			MDA-D5	185.1 -> 168...	5.044	207072				
MDEA	208.1 -> 163...	5/16/2018 11:08 PM				208.1 -> 105...			MDEA-D6	214.2 -> 166...	5.323	389553				
MDMA	194.1 -> 163...	5/16/2018 11:08 PM				194.1 -> 105...			MDMA-D6	200.2 -> 166...	5.163	37410				
Meperidine	248.2 -> 220...	5/16/2018 11:08 PM				248.2 -> 174...			Meperidine-D4	252.2 -> 224...	5.891	301275				
Methylphenidate	234.2 -> 84.2	5/16/2018 11:08 PM				234.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.891	301275				
Metoprolol	268.2 -> 116...	5/16/2018 11:08 PM				268.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.891	301275				
Midazolam	326.1 -> 223...	5/16/2018 11:08 PM				326.1 -> 249...			Midazolam-D4	330.1 -> 295...	6.632	304243				
Mirtazapine	266.2 -> 195...	5/16/2018 11:08 PM				266.2 -> 72.3			Midazolam-D4	330.1 -> 295...	6.632	304243				
Mitragynine	399.2 -> 174...	5/16/2018 11:08 PM				399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	6.137	10126...				
Normeperidine	234.1 -> 42.3	5/16/2018 11:08 PM				234.1 -> 160...			Normeperidine-D4	238.2 -> 164...	5.708	192762				
Norpropoxyphene	326.2 -> 44.3	5/16/2018 11:08 PM				326.2 -> 252...			Norpropoxyphene-D5	331.2 -> 44.3	6.347	135734				
Nortriptyline	264.2 -> 91.2	5/16/2018 11:08 PM				264.2 -> 233...			Nortriptyline-D3	267.2 -> 233...	6.561	290283				
Ondansetron	294.2 -> 184...	5/16/2018 11:08 PM				294.2 -> 212...			Pentazocine-13C3	289.2 -> 72.3	5.803	446857				
Pentazocine	286.2 -> 218...	5/16/2018 11:08 PM				286.2 -> 41.3			Pentazocine-13C3	289.2 -> 72.3	5.803	446857				
Phenazepam	349.0 -> 206...	5/16/2018 11:08 PM				349.0 -> 183...			Phenazepam-D4	353.0 -> 183...	6.507	19012				
Phencyclidine	244.2 -> 86.2	5/16/2018 11:08 PM				244.2 -> 91.1			Phencyclidine-D5	249.2 -> 86.2	6.034	775135				
Phenytoin	253.1 -> 104...	5/16/2018 11:08 PM	5.891	2337	3.66	253.1 -> 182...			Phenytoin-D10	263.2 -> 192...	6.013	19358				
Prazepam	325.1 -> 271...	5/16/2018 11:08 PM				325.1 -> 140...			Prazepam-D5	330.1 -> 276...	6.954	562587				
Primidone	219.1 -> 91.2	5/16/2018 11:08 PM				219.1 -> 162...			Prazepam-D5	330.1 -> 276...	6.954	562587				
Propoxyphene	340.2 -> 58.3	5/16/2018 11:08 PM				340.2 -> 266...			Propoxyphene-D11	351.3 -> 277...	6.487	240380				
Protriptyline	264.2 -> 155...	5/16/2018 11:08 PM				264.2 -> 191...			Nortriptyline-D3	267.2 -> 233...	6.561	290283				
Pseudoephedrine	166.1 -> 148...	5/16/2018 11:08 PM				166.1 -> 133...			Pseudoephedrine-D3	169.1 -> 151...	4.660	359390				
Tapentadol	222.2 -> 107...	5/16/2018 11:08 PM				222.2 -> 121...			Tapentadol-D3	225.2 -> 107...	5.547	664554				
Trimipramine	295.2 -> 100...	5/16/2018 11:08 PM				295.2 -> 58.3			Trimipramine-D3	298.2 -> 103...	6.800	21692...				
Verapamil	455.3 -> 165...	5/16/2018 11:08 PM				455.3 -> 150...			Trimipramine-D3	298.2 -> 103...	6.800	21692...				
Zaleplon	306.1 -> 236...	5/16/2018 11:08 PM				306.1 -> 264...			Zaleplon-D4	310.2 -> 240...	6.228	183774				
Zopiclone	389.1 -> 244...	5/16/2018 11:08 PM				389.1 -> 216...			Zopiclone-D4	393.1 -> 244...	6.425	105556				

Bylee

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

Extraction Date: 5/16/2018

Analyst: B. Wylie

Plate lot#: 0515037

Plate Expiration: 9/28/2018

Mobile phase A: 10mM Ammonium Formate
0.1% Formic Acid in Water

Mobile phase B: 0.1% Formic acid in MeOH
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: 05162018 am 25-26

Analytic:

1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
2. Pipette **1000 μ L blood (calibrated pipette) Pipette ID: k52558** in 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*
4. Pipette **500 μ L 0.1% formic acid** in wells of analytical plate.
5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
6. Transfer **800 μ L 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: 66792
8. Wait 5 minutes.
9. 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 **100 μ L 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

1. Create batch and process data.
Worklist path: 05162018 blood screen AM 25-26 Batch Name: 05162018 AM 26 Worklist 2393
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:

B. Wylie

ISP FORENSICS - Cd'A

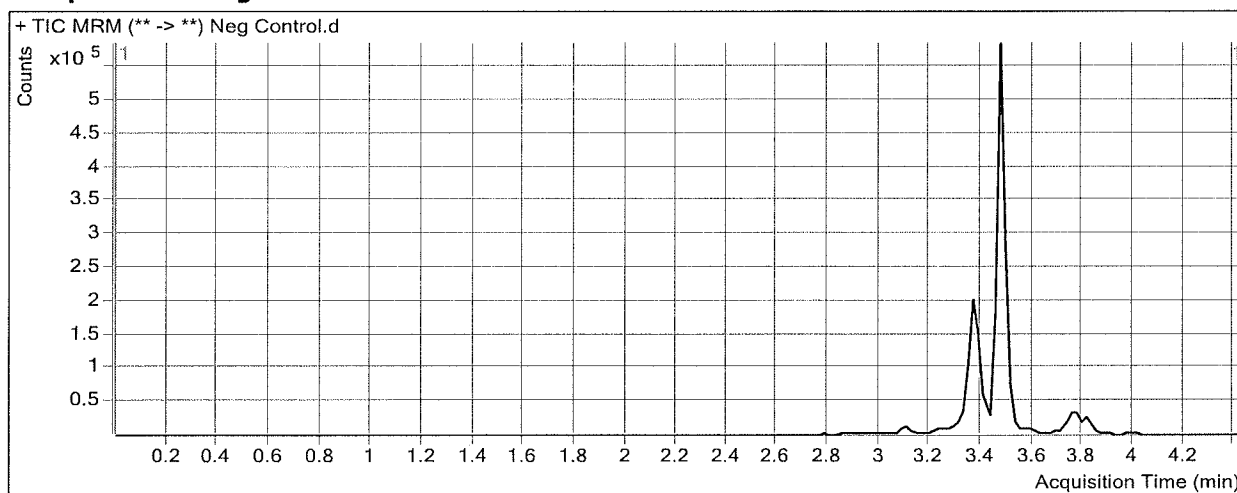
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:53 **Data File** Neg Control.d
Sample Type Sample **Sample Name** Neg Control
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-a2 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen negative blood lot 17J20718

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	107333	511646	0.2098	12.4518

Bylee

ISP FORENSICS - Cd'A

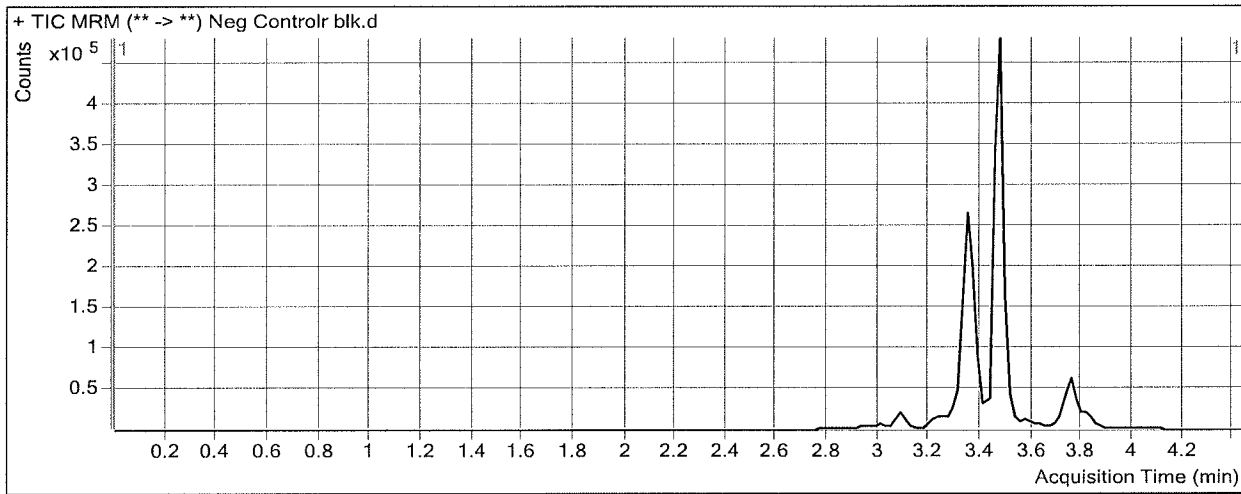
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 16:18 **Data File** Neg Controlr blk.d
Sample Type Sample **Sample Name** Neg Control Blk
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-a2 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen negative blood lot 17J20718

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.346	202428	671490	0.3015	18.2392

Bylee

ISP FORENSICS - Cd'A

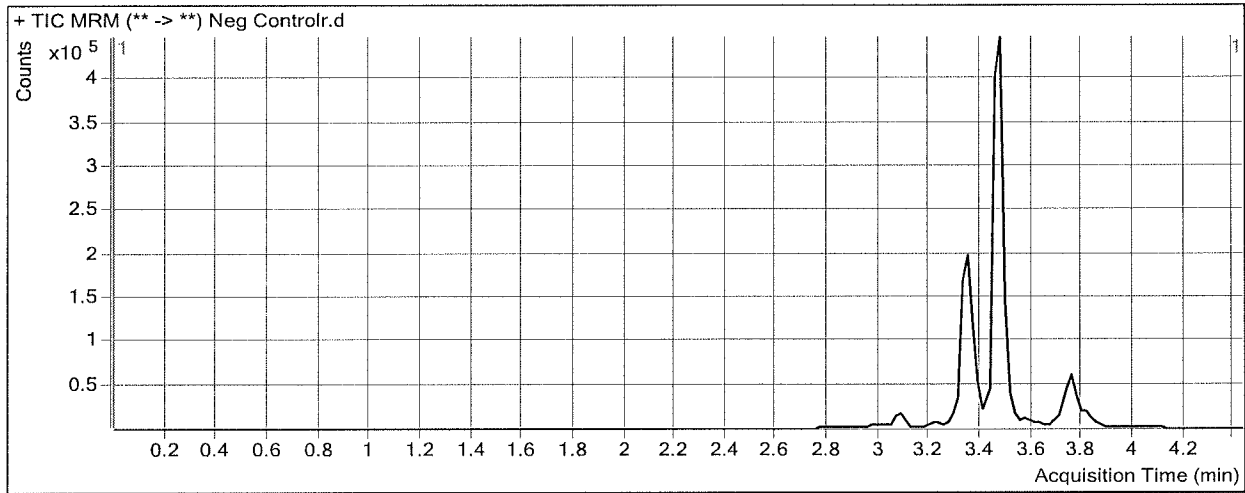
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 16:25 **Data File** Neg Controlr.d
Sample Type Sample **Sample Name** Neg Control
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-a2 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen negative blood lot 17J20718

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.346	27045	668138	0.0405	1.7643

Bylee

ISP FORENSICS - Cd'A

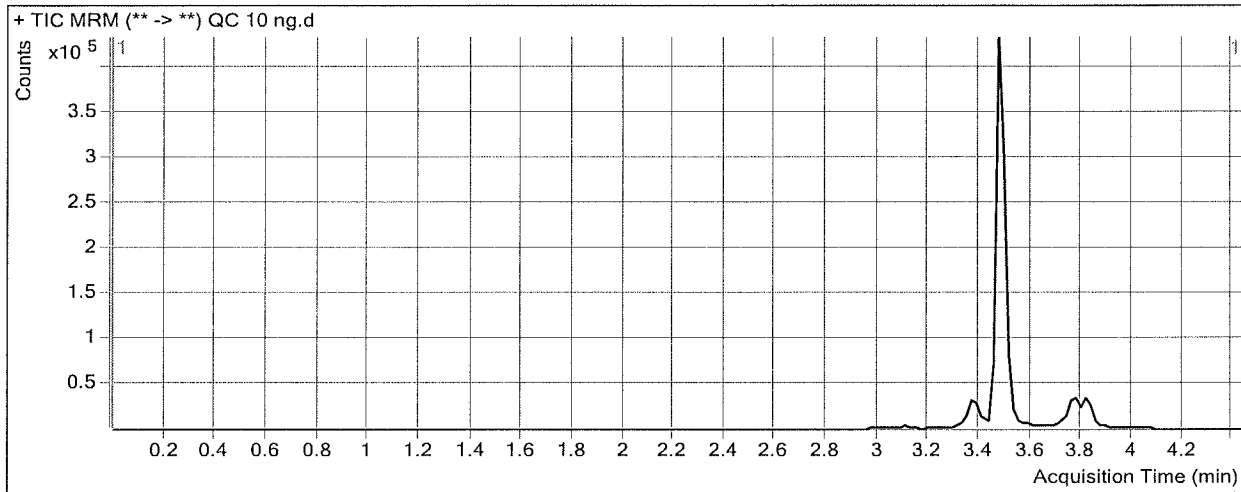
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 14:13 **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	3.386	20733	80451	0.2577	15.4775
THC-OH	3.473	86206	969505	0.0889	9.6596
THC	3.820	6000	60658	0.0989	9.3359

BWlee

ISP FORENSICS - Cd'A

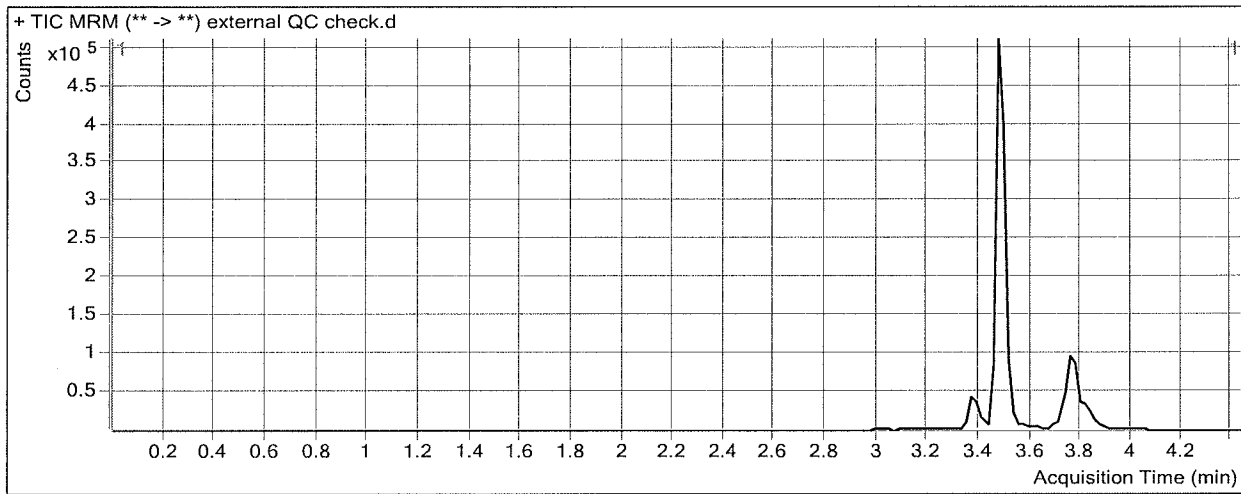
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 14:26 **Data File** external QC check.d
Sample Type Sample **Sample Name** external QC check
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen

Sample Chromatogram



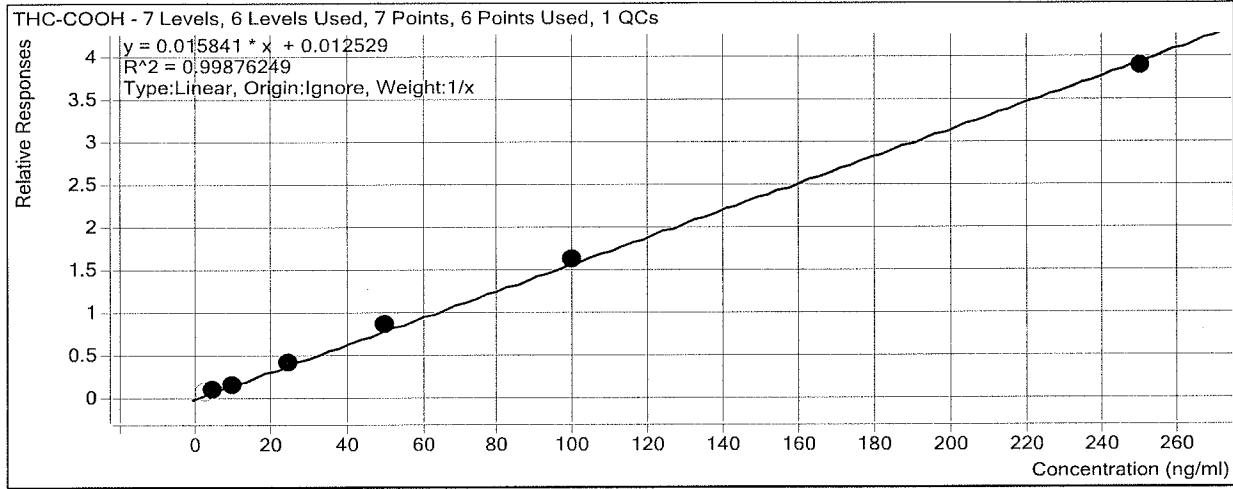
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	20337	107394	0.1894	11.1632
THC-OH	3.473	85423	1200680	0.0711	7.7111
THC	3.820	3050	45585	0.0669	6.3169

Byylee

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.batch.bin
Last Calib Update 5/16/2018 10:03 PM **Analyst Name** ISP TOX
Target Compound *THC-COOH*
Internal Standard *THC-COOH-d9*

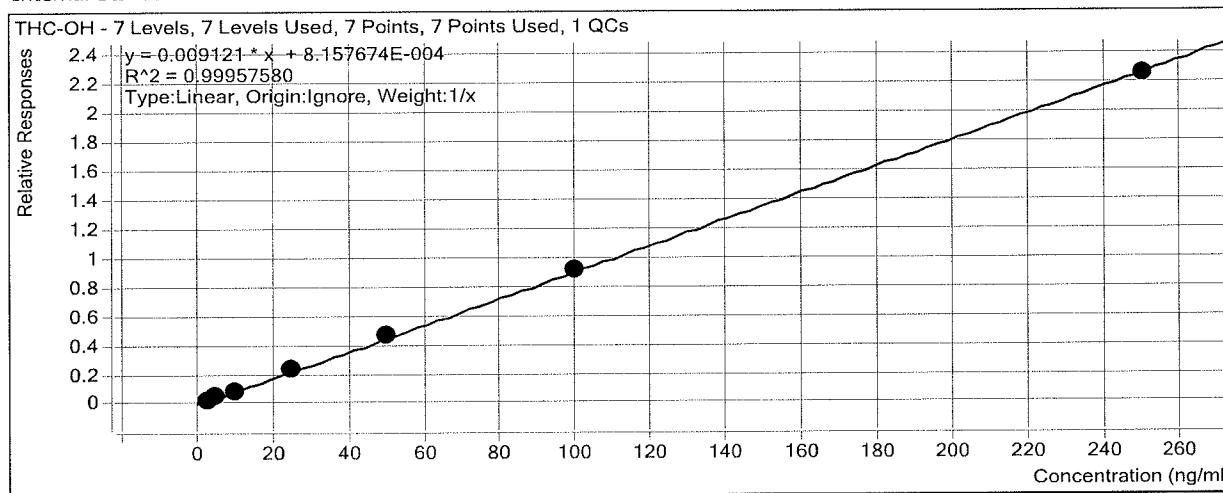


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	<input type="checkbox"/>	3	4.5	151.2
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	4.7	94.4
cal 3 - 10ng	3	<input checked="" type="checkbox"/>	10	9.6	95.5
QC 10 ng	3	<input checked="" type="checkbox"/>	10	15.5	154.8
cal 4 - 25ng	4	<input checked="" type="checkbox"/>	25	26.0	104.0
cal 5 - 50ng	5	<input checked="" type="checkbox"/>	50	53.2	106.4
cal 6 - 100ng	6	<input checked="" type="checkbox"/>	100	101.8	101.8
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	244.7	97.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.batch.bin
Last Calib Update 5/16/2018 10:03 PM **Analyst Name** ISP TOX

Target Compound *THC-OH*
Internal Standard *THC-OH-d3*

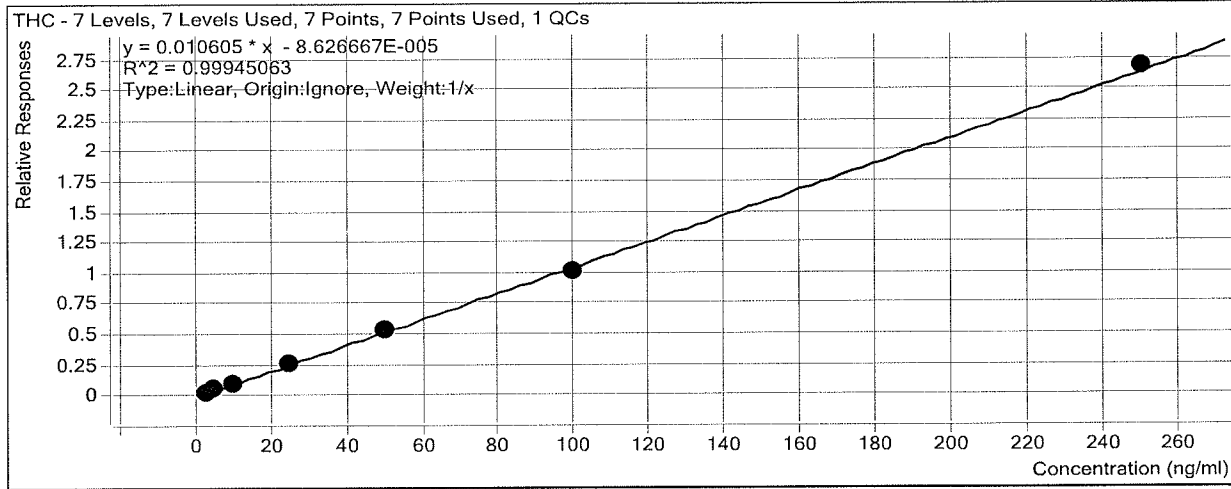


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	<input checked="" type="checkbox"/>	3	3.1	101.8
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	5.0	99.2
cal 3 - 10ng	3	<input checked="" type="checkbox"/>	10	9.4	93.8
QC 10 ng	3	<input checked="" type="checkbox"/>	10	9.7	96.6
cal 4 - 25ng	4	<input checked="" type="checkbox"/>	25	25.4	101.5
cal 5 - 50ng	5	<input checked="" type="checkbox"/>	50	52.1	104.1
cal 6 - 100ng	6	<input checked="" type="checkbox"/>	100	100.6	100.6
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	247.5	99.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.batch.bin
Last Calib Update 5/16/2018 10:03 PM **Analyst Name** ISP TOX

Target Compound *THC*
Internal Standard *THC-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	<input checked="" type="checkbox"/>	3	2.9	97.8
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	5.3	105.1
cal 3 - 10ng	3	<input checked="" type="checkbox"/>	10	10.0	99.7
QC 10 ng	3	<input checked="" type="checkbox"/>	10	9.3	93.4
cal 4 - 25ng	4	<input checked="" type="checkbox"/>	25	24.4	97.4
cal 5 - 50ng	5	<input checked="" type="checkbox"/>	50	51.2	102.3
cal 6 - 100ng	6	<input checked="" type="checkbox"/>	100	96.6	96.6
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	252.8	101.1

ISP FORENSICS - Cd'A

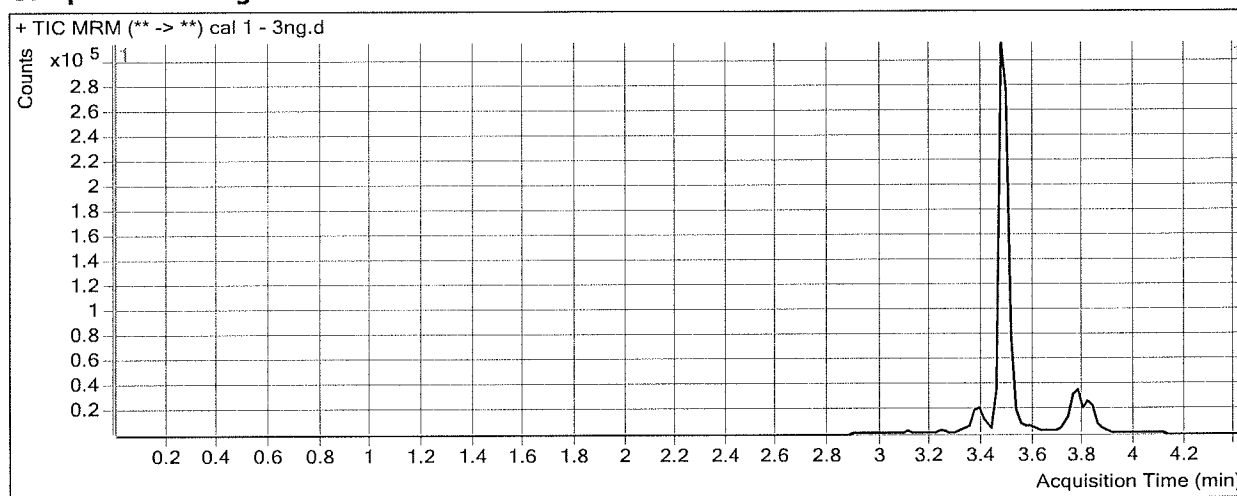
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:13 **Data File** cal 1 - 3ng.d
Sample Type Calibration **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

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	5187	61470	0.0844	4.5357
THC-OH	3.473	23086	805506	0.0287	3.0529
THC	3.820	1633	52642	0.0310	2.9329

ISP FORENSICS - Cd'A

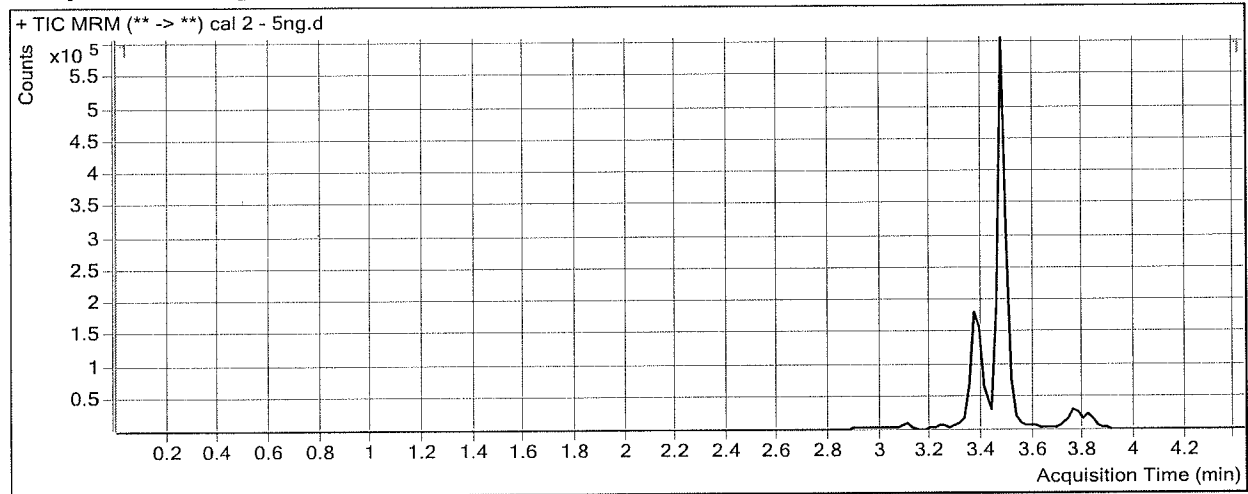
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:20 **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	3.386	46024	527353	0.0873	4.7184
THC-OH	3.473	62114	1348562	0.0461	4.9606
THC	3.820	2433	43728	0.0556	5.2544

ISP FORENSICS - Cd'A

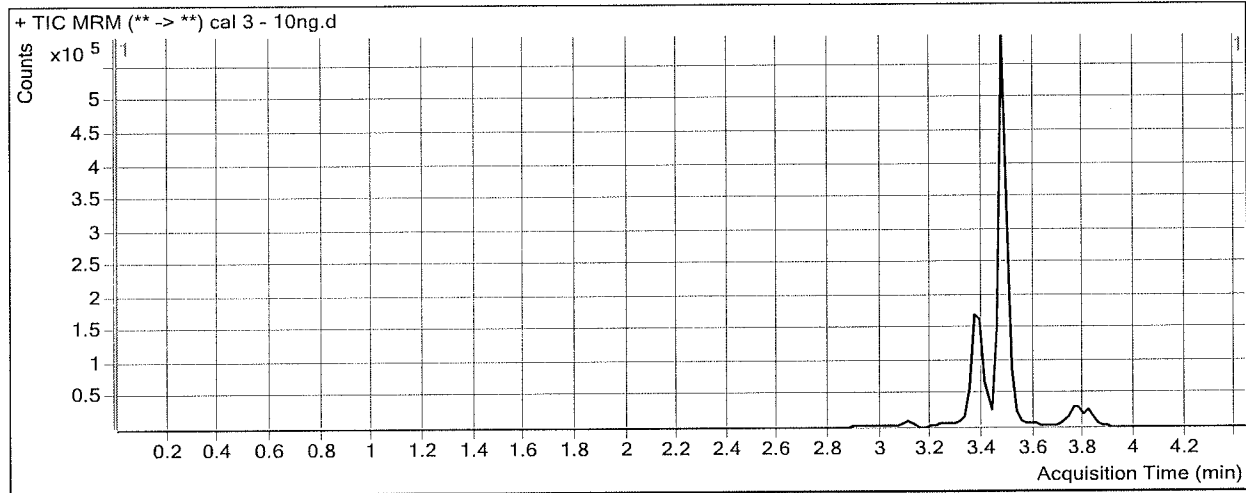
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:26 **Data File** cal 3 - 10ng.d
Sample Type Calibration **Sample Name** cal 3 - 10ng
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	77602	473579	0.1639	9.5532
THC-OH	3.473	110788	1283176	0.0863	9.3769
THC	3.820	4496	42538	0.1057	9.9740

ISP FORENSICS - Cd'A

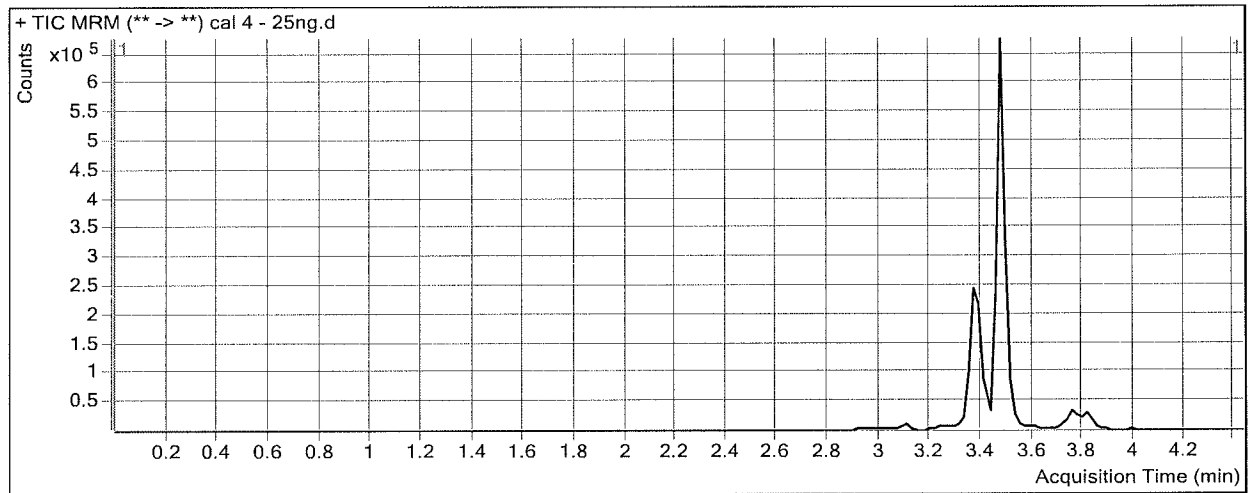
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:33 **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

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	210607	496263	0.4244	25.9990
THC-OH	3.473	293196	1262610	0.2322	25.3710
THC	3.820	11883	46016	0.2582	24.3582

ISP FORENSICS - Cd'A

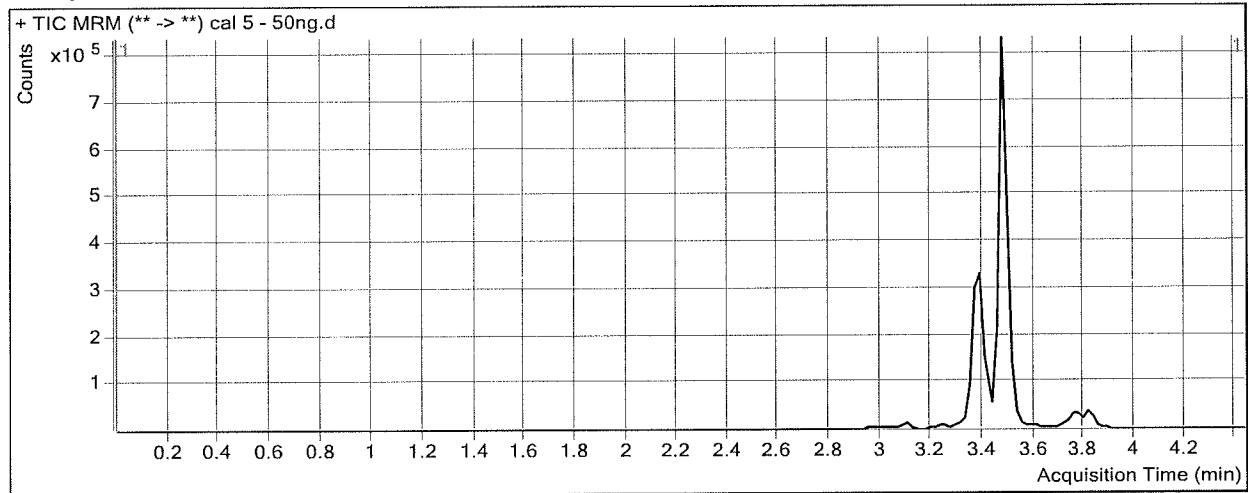
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:40 **Data File** cal 5 - 50ng.d
Sample Type Calibration **Sample Name** cal 5 - 50ng
Dilution 1 **Acq Method** Screen THC 8-2017.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	425983	498123	0.8552	53.1933
THC-OH	3.473	624204	1312377	0.4756	52.0593
THC	3.820	26962	49714	0.5423	51.1505

ISP FORENSICS - Cd'A

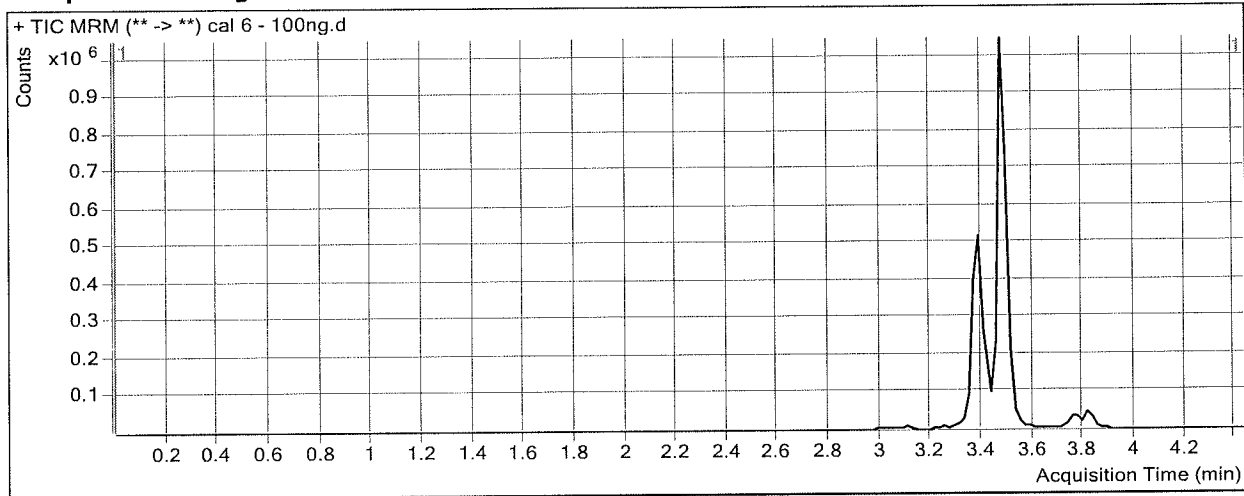
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:46 **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



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	803195	494040	1.6258	101.8380
THC-OH	3.473	1188387	1293570	0.9187	100.6371
THC	3.820	43654	42630	1.0240	96.5717

ISP FORENSICS - Cd'A

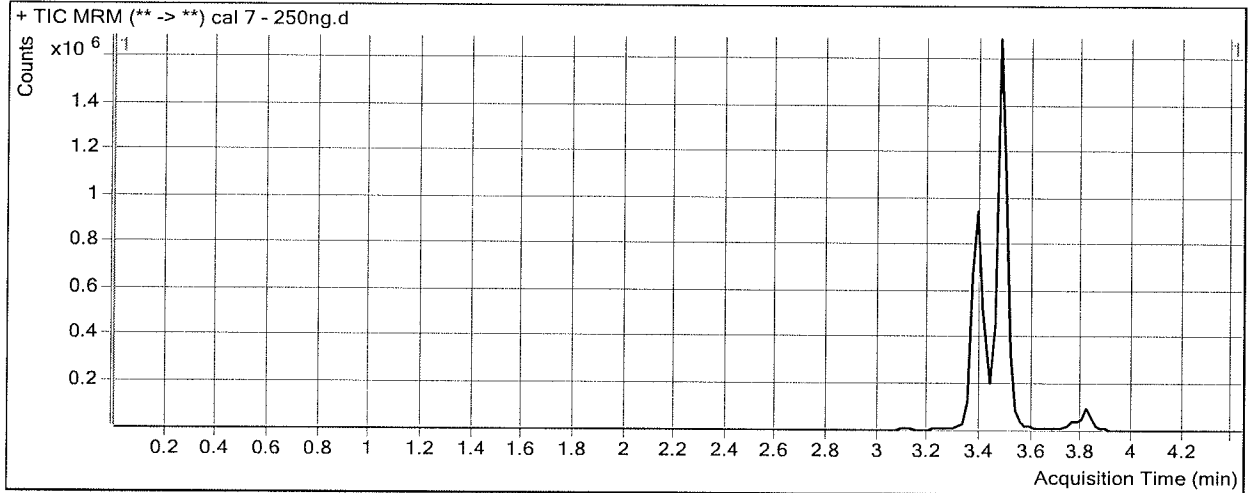
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\05162018 blood screen AM 25-26\QuantResults\05162018 AM 26 Worklist 2393.bat
Analysis Time 5/16/2018 10:03 PM **Analyst Name** ISP Tox
Report Time 5/16/2018 10:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/16/2018 10:03 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-16 13:59 **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

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.386	1750521	450138	3.8889	244.6981
THC-OH	3.473	2711750	1200657	2.2586	247.5423
THC	3.820	132069	49273	2.6803	252.7583