



































Worklist: 1499

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2016-2454	1	73117	AM 25/AM 26 Blood MultiDrug/	
C2017-0125	1	74923	AM 25/AM 26 Blood MultiDrug/	
M2016-3911	1	74846	AM 25/AM 26 Blood MultiDrug/	
M2016-4253	1	74847	AM 25/AM 26 Blood MultiDrug/	
M2016-4309	3	74848	AM 25/AM 26 Blood MultiDrug/	
M2016-4705	1	74849	AM 25/AM 26 Blood MultiDrug/	
M2016-4759	1	74850	AM 25/AM 26 Blood MultiDrug/	
M2016-4852	1	74851	AM 25/AM 26 Blood MultiDrug/	
M2016-5077	2	74852	AM 25/AM 26 Blood MultiDrug/	
M2016-5162	5	74853	AM 25/AM 26 Blood MultiDrug/	
M2016-5251	1	74854	AM 25/AM 26 Blood MultiDrug/	
M2016-5285	1	73857	AM 25/AM 26 Blood MultiDrug/	
M2016-5293	5	74855	AM 25/AM 26 Blood MultiDrug/	
P2016-2383	1	74856	AM 25/AM 26 Blood MultiDrug/	
P2016-2387	1	74857	AM 25/AM 26 Blood MultiDrug/	
P2016-2401	1	74858	AM 25/AM 26 Blood MultiDrug/	
P2016-2425	1	74859	AM 25/AM 26 Blood MultiDrug/	
P2016-2429	1	74860	AM 25/AM 26 Blood MultiDrug/	
P2016-2451	1	74861	AM 25/AM 26 Blood MultiDrug/	
P2016-2527	1	74862	AM 25/AM 26 Blood MultiDrug/	
P2016-2601	1	74863	AM 25/AM 26 Blood MultiDrug/	
P2016-2629	1	74864	AM 25/AM 26 Blood MultiDrug/	
P2016-2647	1	74865	AM 25/AM 26 Blood MultiDrug/	

Worklist: 1499

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
P2016-2690	1	74866	AM 25/AM 26 Blood MultiDrug/	
P2016-2693	1	74867	AM 25/AM 26 Blood MultiDrug/	
P2016-2714	1	74868	AM 25/AM 26 Blood MultiDrug/	
P2016-2765	1	74869	AM 25/AM 26 Blood MultiDrug/	
P2016-2788	1	74870	AM 25/AM 26 Blood MultiDrug/	
P2016-2828	1	74871	AM 25/AM 26 Blood MultiDrug/	
P2016-2863	1	74872	AM 25/AM 26 Blood MultiDrug/	
P2016-2896	1	74873	AM 25/AM 26 Blood MultiDrug/	
P2016-2933	1	74874	AM 25/AM 26 Blood MultiDrug/	
P2016-2964	1	74875	AM 25/AM 26 Blood MultiDrug/	
P2016-2965	1	74876	AM 25/AM 26 Blood MultiDrug/	
P2016-2966	1	74877	AM 25/AM 26 Blood MultiDrug/	
P2016-2967	1	74878	AM 25/AM 26 Blood MultiDrug/	



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

Extraction Date: 1/24/17

Analyst: BWJ

PRE-ANALYTIC

Plate Lot# 0495940

Plate. Exp. 12/12/2017

1. Ensure all solutions are within expiration date.

- Mobile Phase A: **10mM Amm Formate**
- Mobile Phase B **0.1% FA in MeOH**
- Blank/Negative Blood: Lot **321623-1**
- **0.5M Ammonium Hydroxide**
- Column: **Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um)**
- **Ethyl Acetate**

✓ 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.

✓ 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 min.

✓ 4. Create worklist. Data path name: 1-24-17 BAW blood screen AM 25-26

ANALYTIC

✓ 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.

✓ 2. Pipette **250µL blood** in wells of analytical (standards) plate. Mix via aspirate and dispense.

- Blank blood for locations containing standards/QCs and internal standards
- Sample blood for locations containing only internal standards

✓ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID 66759*

✓ 4. Pipette **250µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) 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. 4 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID 66729

✓ Wait 5 min.

✓ 8. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity.

X 9. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*

X 10. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity.

✓ 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*

✓ 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID 66819*

✓ 13. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

POST-ANALYTIC

✓ 1. Open quantitation software and create a new quantitation batch. Batch name: 1-24-17 Screen Panel 1 Screen

✓ 2. Make any necessary integration changes.

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% rt of administrative control. > 1/10 the response of administrative control.

✓ 4. Did all QCs pass for each analyte? (Y) N

✓ 5. Central File Packet to include: X LIMS Worklist: ✓ Method Checklist X Calibration and Control Reports

COMMENTS:

BWJ

Compound Method	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier 1 M...	Transition	S/N	Qua...	ISTD Method	Transition	RT	Resp.
6-MAM	328.2 -> 165...	1/24/2017 10:10 PM	P2-C10	5.175	152	1.63	328.2 -> 211...	1.10	6-MAM-D6	334.2 -> 165...	5.276	60601		
7-aminoclonazepam	286.1 -> 121...	1/24/2017 10:10 PM	P2-C10	5.956	163	1.69	286.1 -> 222...	0.73	7-Aminoclonazepam-D4	290.1 -> 121...	5.585	136947		
Acetyl Nortentanyl	323.2 -> 105...	1/24/2017 10:10 PM	P2-C10	6.315	503	1.10	323.2 -> 188...	1.35	Acetyl Nortentanyl-D5	328.2 -> 105...	6.069	13925...		
Acetyl Nortentanyl	219.1 -> 84.2	1/24/2017 10:10 PM	P2-C10	5.088	23	1.59	219.1 -> 56.3	1.01	Acetyl Nortentanyl-D5	224.2 -> 84.2	5.027	500804		
a-hydroxyalprazolam	325.1 -> 297...	1/24/2017 10:10 PM	P2-C10	6.517	107	0.63	325.1 -> 215...	0.60	a-hydroxyalprazolam-D5	330.1 -> 302...	6.456	46961		
alpha-PVP	232.2 -> 91.0	1/24/2017 10:10 PM	P2-C10	5.758	92	0.31	232.2 -> 77.1	0.55	alpha-PVP-d8	240.2 -> 91.1	5.737	569030		
Alprazolam	309.1 -> 281...	1/24/2017 10:10 PM	P2-C10	6.542	438	0.74	309.1 -> 205...	0.55	Alprazolam-D5	314.1 -> 286...	6.541	250916		
Amphetamine	136.1 -> 91.1	1/24/2017 10:10 PM	P2-C10	5.030	44700	9.59	136.1 -> 119...	0.55	Amphetamine-D11	147.2 -> 130...	4.969	96603		
Bupropion	240.1 -> 184...	1/24/2017 10:10 PM	P2-C10	5.859	279	1.87	240.1 -> 131...	0.55	Ketamine-D4	242.1 -> 129...	5.839	383123		
Carisoprodol	261.2 -> 176...	1/24/2017 10:10 PM	P2-C10	6.305	721	1.43	261.2 -> 55.3	1.36	Carisoprodol-D7	268.2 -> 183...	6.183	425766		
Citalopram	325.2 -> 109...	1/24/2017 10:10 PM	P2-C10	6.395	268	0.24	325.2 -> 262...	1.36	Citalopram-D6	331.2 -> 109...	6.191	894342		
Clonazepam	316.1 -> 269...	1/24/2017 10:10 PM	P2-C10	6.500	462	1.70	316.1 -> 213...	0.68	Clonazepam-D4	320.1 -> 217...	6.398	28013		
Codeine	300.2 -> 215...	1/24/2017 10:10 PM	P2-C10	5.729	329	0.09	300.2 -> 165...	0.68	Codeine-D6	306.2 -> 218...	5.217	50493		
Cyclobenzaprine	276.2 -> 214...	1/24/2017 10:10 PM	P2-C10	6.527	86	0.42	276.2 -> 231...	0.68	Cyclobenzaprine-D3	279.2 -> 215...	6.506	662941		
Dextromethorphan	272.2 -> 171...	1/24/2017 10:10 PM	P2-C10	6.263	1604	0.95	272.2 -> 147...	1.55	Dextromethorphan-D3	275.2 -> 171...	6.263	294829		
Dextroproprian	258.2 -> 157...	1/24/2017 10:10 PM	P2-C10	5.469	428	2.67	258.2 -> 133...	0.48	Dextroproprian-D3	261.2 -> 157...	5.570	280508		
Diazepam	285.1 -> 193...	1/24/2017 10:10 PM	P2-C10	6.810	218	0.49	285.1 -> 153...	0.48	Diazepam-D5	290.1 -> 198...	6.748	227516		
Dihydrocodeine	302.2 -> 198...	1/24/2017 10:10 PM	P2-C10	5.077	100	1.36	302.2 -> 128...	0.51	Dihydrocodeine-D6	308.2 -> 202...	5.055	148639		
Diphenhydramine	256.2 -> 167...	1/24/2017 10:10 PM	P2-C10	5.920	402	0.87	256.2 -> 152...	0.51	Diphenhydramine-D3	259.2 -> 167...	6.184	17709...		
Doxylamine	271.2 -> 182...	1/24/2017 10:10 PM	P2-C10	5.856	10240	3.13	271.2 -> 167...	1.65	Doxylamine-D5	276.2 -> 187...	5.835	13163...		
EDDP	279.2 -> 235...	1/24/2017 10:10 PM	P2-C10	6.404	51	0.75	279.2 -> 250...	0.95	EDDP-D3	282.2 -> 235...	6.200	18169		
Fentanyl	337.2 -> 105...	1/24/2017 10:10 PM	P2-C10	6.516	104	0.44	337.2 -> 188...	0.95	Fentanyl-D5	342.3 -> 105...	6.271	12698...		
Fluoxetine	310.1 -> 44.3	1/24/2017 10:10 PM	P2-C10	6.541	100	16.61	310.1 -> 148...	0.61	Fluoxetine-D6	316.2 -> 44.3	6.418	13095...		
Hydrocodone	300.2 -> 198...	1/24/2017 10:10 PM	P2-C10	5.362	872	3.20	300.2 -> 128...	0.61	Hydrocodone-D6	306.2 -> 202...	5.381	249171		
Hydromorphone	286.2 -> 184...	1/24/2017 10:10 PM	P2-C10	5.921	139	0.61	286.2 -> 157...	0.57	Hydromorphone-D6	292.2 -> 185...	4.858	103926		
Ketamine	238.1 -> 125...	1/24/2017 10:10 PM	P2-C10	5.921	139	0.61	238.1 -> 220...	0.57	Ketamine-D4	242.1 -> 129...	5.839	383123		
Meprobramate	219.1 -> 158...	1/24/2017 10:10 PM	P2-C10	5.718	945	0.38	219.1 -> 97.1	0.57	Meprobramate-D7	226.2 -> 165...	5.677	109128		
Methadone	310.2 -> 265...	1/24/2017 10:10 PM	P2-C10	6.785	1857	1.34	310.2 -> 105...	0.95	Methadone-D9	319.3 -> 268...	6.499	139355...		
Methamphetamine	150.1 -> 91.1	1/24/2017 10:10 PM	P2-C10	4.537	178	0.37	150.1 -> 119...	0.95	Methamphetamine-D11	161.2 -> 97.1	5.150	247747		
Morphine	286.2 -> 201...	1/24/2017 10:10 PM	P2-C10	5.581	307	0.41	286.2 -> 165...	0.95	Morphine-D6	292.2 -> 152...	4.617	12364		
Naloxone	328.2 -> 309...	1/24/2017 10:10 PM	P2-C10	5.336	6854	13.50	328.2 -> 308...	0.95	Naloxone-D3	347.2 -> 329...	5.153	399620		
Naltrexol	344.2 -> 326...	1/24/2017 10:10 PM	P2-C10	5.174	73	1.05	344.2 -> 55.3	0.95	Naltrexol-D3	347.2 -> 329...	5.153	399620		
Naltrexone	342.2 -> 324...	1/24/2017 10:10 PM	P2-C10	5.964	73	2.62	342.2 -> 57.3	0.22	Naltrexone-D3	417.3 -> 101...	5.964	49476		
Norbuprenorphine	414.3 -> 101...	1/24/2017 10:10 PM	P2-C10	6.712	72	0.78	414.3 -> 208...	0.22	Norbuprenorphine-D3	417.3 -> 101...	6.630	62404		
Nordiazepam	271.1 -> 140...	1/24/2017 10:10 PM	P2-C10	5.452	55	0.30	271.1 -> 208...	0.97	Nordiazepam-D5	276.1 -> 140...	5.472	729421		
Nortentanyl	233.2 -> 84.2	1/24/2017 10:10 PM	P2-C10	5.080	29	0.51	233.2 -> 55.3	0.73	Nortentanyl-D5	238.2 -> 84.2	5.141	91939		
Norhydrocodone	286.2 -> 199...	1/24/2017 10:10 PM	P2-C10	5.098	783	1.27	286.2 -> 171...	0.61	Norhydrocodone-D3	289.2 -> 202...	5.036	185470		
Noroxycodone	302.1 -> 284...	1/24/2017 10:10 PM	P2-C10	5.085	1050	2.88	302.1 -> 186...	0.44	Noroxycodone-D3	305.2 -> 287...	5.065	861622		
O-desmethyl-tramadol	250.2 -> 58.3	1/24/2017 10:10 PM	P2-C10	6.504	70	0.36	250.2 -> 42.3	0.95	O-desmethyl-tramadol...	256.2 -> 64.3	6.463	78833		
Oxazepam	287.1 -> 240...	1/24/2017 10:10 PM	P2-C10	5.441	948	2.26	287.1 -> 268...	0.78	Oxazepam-D5	292.1 -> 246...	5.217	329593		
Oxycodone	316.2 -> 298...	1/24/2017 10:10 PM	P2-C10	5.231	27237	0.63	316.2 -> 241...	0.59	Oxycodone-D6	322.2 -> 304...	4.573	375488		
Oxymorphone	302.1 -> 284...	1/24/2017 10:10 PM	P2-C10	6.342	54	0.46	302.1 -> 227...	0.73	Oxymorphone-D3	305.2 -> 287...	5.292	278580		
Phenemine	150.1 -> 65.2	1/24/2017 10:10 PM	P2-C10	6.697	117	0.44	150.1 -> 133...	1.26	Phenemine-D5	155.2 -> 96.2	6.524	20609...		
Promethazine	285.1 -> 86.2	1/24/2017 10:10 PM	P2-C10	6.686	304	0.68	285.1 -> 71.3	2.75	Promethazine-D3	288.2 -> 89.2	6.595	450895		
Quetiapine	384.2 -> 253...	1/24/2017 10:10 PM	P2-C10	6.616	1396	5.74	384.2 -> 221...	1.63	Quetiapine-D8	392.2 -> 226...	6.635	417002		
Serrraline	306.1 -> 158...	1/24/2017 10:10 PM	P2-C10	6.616	607	0.72	306.1 -> 275...	0.99	Serrraline-D3	309.1 -> 275...	6.584	428931		
Sufentanil	387.2 -> 238...	1/24/2017 10:10 PM	P2-C10	7.012	607	301.1 -> 283...	387.2 -> 111...	0.99	Sufentanil-D5	392.2 -> 238...	6.584	428931		
Temazepam	301.1 -> 255...	1/24/2017 10:10 PM	P2-C10	7.012	607	301.1 -> 283...	301.1 -> 283...	0.99	Temazepam-D5	306.1 -> 260...	6.584	428931		

Compound Method	p1 negative	p1 negative Results	Qualifier 1 M...	Qua...	ISTD Method	ISTD Results							
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	Qualif. 1 M...	Qua...	Name	Transition	RT	Resp.
Tamadol	264.2 -> 58.3	1/24/2017 10:10 PM	P2-C10	5.611	3863	1.41	264.2 -> 43.3	0.57		Tamadol-13C-D3	268.2 -> 58.3	5.589	10525...
Tazodone	372.2 -> 176...	1/24/2017 10:10 PM	P2-C10	6.778	4277	3.67	372.2 -> 148...	1.40		Sufentanil-D5	392.2 -> 238...	6.635	10526...
Venlafaxine	278.2 -> 58.3	1/24/2017 10:10 PM	P2-C10				278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.935	10305...
Zolpidem	308.2 -> 235...	1/24/2017 10:10 PM	P2-C10	6.665	1199	2.38	308.2 -> 263...	2.39		Zolpidem-D6	314.2 -> 235...	6.399	12683...

Compound Method	p2 c2017-0125-1	Results	Qualifier 1 M...	Qual	ISTD Method	ISTD Results						
Name	Transition	Acq. Date-Time	Pos	RT	Resp	S/N	Transition	Qual	Name	Transition	RT	Resp
7-aminoflunitrazepam	284.1 -> 135...	1/25/2017 8:21 AM	P2-E9	5.617	76	0.37	284.1 -> 93.2	0.30	7-aminoflunitrazepam-D7	291.2 -> 138...	5.780	245990
alpha-hydroxymidazolam	342.1 -> 324...	1/25/2017 8:21 AM	P2-E9	6.669	33	0.82	342.1 -> 203...	0.19	alpha-hydroxymidazolam-...	346.1 -> 328...	6.527	409450
Amirtipiline	278.2 -> 91.2	1/25/2017 8:21 AM	P2-E9	6.669	33	0.82	278.2 -> 105...		Amirtipiline-D3	281.2 -> 91.2	6.597	418937
Amoxipiline	314.1 -> 271...	1/25/2017 8:21 AM	P2-E9	6.531	674	5.74	314.1 -> 193...	17.01	Amirtipiline-D3	281.2 -> 91.2	6.597	418937
Benzoylcegonine	290.1 -> 168...	1/25/2017 8:21 AM	P2-E9	5.391	56	2.16	290.1 -> 105...		Benzoylcegonine-D8	298.2 -> 171...	5.390	6348
Carbamazepine	237.1 -> 193...	1/25/2017 8:21 AM	P2-E9	6.258	129	0.42	237.1 -> 194...	3.18	Carbamazepine-13C6	243.1 -> 200...	6.196	11782...
Chlordiazepoxide	300.1 -> 227...	1/25/2017 8:21 AM	P2-E9	6.472	541	1.92	300.1 -> 282...	0.61	Chlordiazepoxide-D5	305.1 -> 286...	6.655	198234
Clomipramine	315.2 -> 86.2	1/25/2017 8:21 AM	P2-E9				315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.834	15016...
Cocaine	304.2 -> 182...	1/25/2017 8:21 AM	P2-E9	5.779	261	0.80	304.2 -> 105...	1.15	Cocaine-D3	307.2 -> 185...	5.778	685094
Desipramine	267.2 -> 72.3	1/25/2017 8:21 AM	P2-E9	6.498	1628	3.08	267.2 -> 44.3	14.97	Desipramine-D3	270.2 -> 75.3	6.498	12812...
Doxepin	280.2 -> 107...	1/25/2017 8:21 AM	P2-E9				280.2 -> 77.2		Doxepin-D3	283.2 -> 107...	6.313	586565
Esazolam	295.1 -> 267...	1/25/2017 8:21 AM	P2-E9				295.1 -> 205...		Esazolam-D5	300.1 -> 272...	6.451	268345
Flunitrazepam	314.1 -> 268...	1/25/2017 8:21 AM	P2-E9	6.531	1302	1.23	314.1 -> 239...	0.92	Flunitrazepam-D7	321.1 -> 245...	6.490	10568
Flurazepam	388.2 -> 315...	1/25/2017 8:21 AM	P2-E9	6.647	25	0.41	388.2 -> 317...		Zopiclone-D4	393.1 -> 244...	6.383	126623
Imipramine	281.2 -> 86.2	1/25/2017 8:21 AM	P2-E9	6.597	3422	44.87	281.2 -> 58.3	0.80	Imipramine-D3	284.2 -> 61.3	6.556	965415
Levamisole	205.1 -> 91.2	1/25/2017 8:21 AM	P2-E9				205.1 -> 178...		Cocaine-D3	307.2 -> 185...	5.778	685094
Maprotiline	278.2 -> 91.2	1/25/2017 8:21 AM	P2-E9	6.395	4217	2.11	278.2 -> 117...	1.04	Meperidine-D4	252.2 -> 224...	5.807	272971
MDA	180.1 -> 163...	1/25/2017 8:21 AM	P2-E9				180.1 -> 105...		MDA-D5	185.1 -> 168...	5.144	242036
MDEA	208.1 -> 163...	1/25/2017 8:21 AM	P2-E9				208.1 -> 105...		MDEA-D6	214.2 -> 166...	5.403	486812
MDMA	194.1 -> 163...	1/25/2017 8:21 AM	P2-E9	5.365	110	0.55	194.1 -> 105...	0.29	MDMA-D6	200.2 -> 166...	5.284	45106
Meperidine	248.2 -> 220...	1/25/2017 8:21 AM	P2-E9	5.787	153	0.68	248.2 -> 174...	1.74	Meperidine-D4	252.2 -> 224...	5.807	272971
Methylphenidate	234.2 -> 84.2	1/25/2017 8:21 AM	P2-E9				234.2 -> 56.3		Meperidine-D4	252.2 -> 224...	5.807	272971
Metoprolol	268.2 -> 116...	1/25/2017 8:21 AM	P2-E9				268.2 -> 56.3		Meperidine-D4	252.2 -> 224...	5.807	272971
Midazolam	326.1 -> 223...	1/25/2017 8:21 AM	P2-E9	6.611	91	1.00	326.1 -> 249...	7.48	Midazolam-D4	330.1 -> 295...	6.670	412763
Mirtazapine	266.2 -> 195...	1/25/2017 8:21 AM	P2-E9	6.193	805	3.76	266.2 -> 72.3		Midazolam-D4	330.1 -> 295...	6.670	412763
Mirtazapine	399.2 -> 174...	1/25/2017 8:21 AM	P2-E9				399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	6.196	11782...
Normeperidine	234.1 -> 42.3	1/25/2017 8:21 AM	P2-E9				234.1 -> 160...		Normeperidine-D4	238.2 -> 164...	5.747	262894
Norpropoxyphene	326.2 -> 44.3	1/25/2017 8:21 AM	P2-E9	6.285	185	1.33	326.2 -> 252...		Norpropoxyphene-D5	331.2 -> 44.3	6.365	71618
Nortriptyline	264.2 -> 91.2	1/25/2017 8:21 AM	P2-E9	6.601	✓ 9077	8.82	264.2 -> 233...	7.89	Nortriptyline-D3	287.2 -> 233...	6.538	471401
Ondansetron	294.2 -> 184...	1/25/2017 8:21 AM	P2-E9	6.412	76	0.77	294.2 -> 212...	0.63	Pentazocine-13C3	289.2 -> 72.3	5.821	436599
Pentazocine	286.2 -> 218...	1/25/2017 8:21 AM	P2-E9				286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.821	436599
Phenazepam	349.0 -> 206...	1/25/2017 8:21 AM	P2-E9	6.506	1879	23.63	349.0 -> 183...	✓	Phenazepam-D4	353.0 -> 183...	6.567	16381
Phencyclidine	244.2 -> 86.2	1/25/2017 8:21 AM	P2-E9	6.114	329	1.02	244.2 -> 91.1	1.00	Phencyclidine-D5	249.2 -> 86.2	6.052	811748
Phenylethanolamine	253.1 -> 104...	1/25/2017 8:21 AM	P2-E9	6.195	359	0.57	253.1 -> 182...		Phenylethanolamine-D10	263.2 -> 192...	6.093	14385
Prazepam	325.1 -> 271...	1/25/2017 8:21 AM	P2-E9	7.196	20	1.18	325.1 -> 140...		Prazepam-D5	330.1 -> 276...	6.994	995088
Primidone	219.1 -> 91.2	1/25/2017 8:21 AM	P2-E9	5.627	1356	2.10	219.1 -> 162...		Prazepam-D5	330.1 -> 276...	6.994	995088
Propoxyphene	340.2 -> 58.3	1/25/2017 8:21 AM	P2-E9	6.263	58	1.43	340.2 -> 266...	0.60	Propoxyphene-D11	351.3 -> 277...	6.404	235663
Protriptyline	264.2 -> 155...	1/25/2017 8:21 AM	P2-E9				264.2 -> 161...		Nortriptyline-D3	267.2 -> 233...	6.538	471401
Pseudoephedrine	166.1 -> 148...	1/25/2017 8:21 AM	P2-E9	4.843	324	0.46	166.1 -> 133...	0.85	Pseudoephedrine-D3	169.1 -> 151...	4.802	367539
Tapentadol	222.2 -> 107...	1/25/2017 8:21 AM	P2-E9	5.688	141	0.32	222.2 -> 121...		Tapentadol-D3	225.2 -> 107...	5.606	758626
Trinipramine	295.2 -> 100...	1/25/2017 8:21 AM	P2-E9	6.575	216	1.76	295.2 -> 58.3	1.81	Trinipramine-D3	288.2 -> 103...	6.635	15920...
Verapamil	455.3 -> 165...	1/25/2017 8:21 AM	P2-E9	6.544	26	0.83	455.3 -> 150...		Trinipramine-D3	288.2 -> 103...	6.635	15920...
Zaleplon	306.1 -> 236...	1/25/2017 8:21 AM	P2-E9	6.369	74	2.14	306.1 -> 264...		Zaleplon-D4	310.2 -> 240...	6.287	220407
Zopiclone	389.1 -> 244...	1/25/2017 8:21 AM	P2-E9	6.566	71	0.36	389.1 -> 216...	0.54	Zopiclone-D4	393.1 -> 244...	6.383	126623

2

Compound Method		p1 cal 1a				p1 cal 1a Results				ISTD Method			
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	1/24/2017 9:31 PM	P2-B1	5.317	2794	8.38	328.2 -> 211...	4.55	6-MAM-D6	334.2 -> 165...	5.276	76033	
7-Aminoclonazepam	286.1 -> 121...	1/24/2017 9:31 PM	P2-B1	5.586	34394	259.74	286.1 -> 222...	69.84	7-Aminoclonazepam-D4	290.1 -> 121...	5.585	125889	
Acetyl Fentanyl	323.2 -> 109...	1/24/2017 9:31 PM	P2-B1	6.070	29480	25.79	323.2 -> 188...	536.79	Acetyl Fentanyl-D5	328.2 -> 105...	6.069	1609421	
Acetyl Nortentanyl	219.1 -> 84.2	1/24/2017 9:31 PM	P2-B1	5.027	12882	430.69	219.1 -> 56.3	17.98	Acetyl Nortentanyl-D5	224.2 -> 84.2	5.007	607620	
a-hydroxylprazolam	325.1 -> 297...	1/24/2017 9:31 PM	P2-B1	6.457	9728	662.23	325.1 -> 215...	19.46	a-hydroxylprazolam-D5	330.1 -> 302...	6.435	463394	
alpha-PVP	232.2 -> 91.0	1/24/2017 9:31 PM	P2-B1	5.758	169453	446.97	232.2 -> 77.1	44.85	alpha-PVP-d8	240.2 -> 91.1	5.737	665251	
Alprazolam	309.1 -> 281...	1/24/2017 9:31 PM	P2-B1	6.542	61587	157.92	309.1 -> 205...	89.30	Alprazolam-D5	314.1 -> 286...	6.541	251107	
Amphetamine	136.1 -> 91.1	1/24/2017 9:31 PM	P2-B1	4.990	130395	29.02	136.1 -> 119...	16.83	Amphetamine-D11	147.2 -> 130...	4.969	94745	
Bupropion	240.1 -> 184...	1/24/2017 9:31 PM	P2-B1	5.961	124097	121.81	240.1 -> 131...	38.50	Ketamine-D4	242.1 -> 129...	5.839	439012	
Carisoprodol	261.2 -> 176...	1/24/2017 9:31 PM	P2-B1	6.184	92386	71.58	261.2 -> 55.3	33.07	Carisoprodol-D7	268.2 -> 183...	6.183	474829	
Citalopram	325.2 -> 109...	1/24/2017 9:31 PM	P2-B1	6.191	218494	97.55	325.2 -> 262...	Infinity	Citalopram-D6	331.2 -> 109...	6.191	1034799	
Clonazepam	316.1 -> 269...	1/24/2017 9:31 PM	P2-B1	6.398	19806	91.97	316.1 -> 213...	21.47	Clonazepam-D4	320.1 -> 217...	6.398	32963	
Codeine	300.2 -> 215...	1/24/2017 9:31 PM	P2-B1	5.280	13705	318.64	300.2 -> 165...	25.23	Codeine-D6	306.2 -> 218...	5.238	61971	
Cyclobenzaprine	276.2 -> 214...	1/24/2017 9:31 PM	P2-B1	6.507	162193	148.24	276.2 -> 231...	92.99	Cyclobenzaprine-D3	279.2 -> 215...	6.506	768955	
Dextromethorphan	258.2 -> 171...	1/24/2017 9:31 PM	P2-B1	6.263	70626	Infinity	272.2 -> 147...	344.56	Dextromethorphan-D3	275.2 -> 171...	6.263	342093	
Dextrophan	258.2 -> 157...	1/24/2017 9:31 PM	P2-B1	5.571	59026	100.50	258.2 -> 133...	80.24	Dextrophan-D3	261.2 -> 157...	5.570	327053	
Diazepam	285.1 -> 193...	1/24/2017 9:31 PM	P2-B1	6.769	54951	112.48	285.1 -> 153...	53.45	Diazepam-D5	290.1 -> 198...	6.748	230878	
Dihydrocodeine	302.2 -> 198...	1/24/2017 9:31 PM	P2-B1	5.077	35701	26.80	302.2 -> 128...	97.67	Dihydrocodeine-D6	308.2 -> 202...	5.055	172250	
Diphenhydramine	256.2 -> 167...	1/24/2017 9:31 PM	P2-B1	6.185	394396	188.06	256.2 -> 152...	1470.3	Diphenhydramine-D3	259.2 -> 167...	6.163	2123556	
Doxylamine	271.2 -> 182...	1/24/2017 9:31 PM	P2-B1	5.836	334340	88.57	271.2 -> 167...	118.18	Doxylamine-D5	276.2 -> 187...	5.835	1600219	
EDDP	279.2 -> 235...	1/24/2017 9:31 PM	P2-B1	6.200	129630	505.79	279.2 -> 250...	185.65	EDDP-D3	282.2 -> 235...	6.200	59119	
Fentanyl	337.2 -> 105...	1/24/2017 9:31 PM	P2-B1	6.271	31615	24.22	337.2 -> 188...	133.25	Fentanyl-D5	342.3 -> 105...	6.271	1548801	
Fluoxetine	310.1 -> 44.3	1/24/2017 9:31 PM	P2-B1	6.420	328656	42384.81	310.1 -> 148...	31.67	Fluoxetine-D6	316.2 -> 44.3	6.418	1534348	
Hydrocodone	300.2 -> 198...	1/24/2017 9:31 PM	P2-B1	5.402	48317	Infinity	300.2 -> 128...	5888.39	Hydrocodone-D6	306.2 -> 202...	5.381	264286	
Hydromorphone	286.2 -> 184...	1/24/2017 9:31 PM	P2-B1	4.920	35113	42.60	286.2 -> 157...	Infinity	Hydromorphone-D6	292.2 -> 185...	4.858	114557	
Ketamine	238.1 -> 125...	1/24/2017 9:31 PM	P2-B1	5.860	109612	255.57	238.1 -> 220...	10.81	Ketamine-D4	242.1 -> 129...	5.839	439012	
Meperbamat	219.1 -> 158...	1/24/2017 9:31 PM	P2-B1	5.678	25811	13.78	219.1 -> 97.1	13.77	Meperbamat-D7	226.2 -> 165...	5.656	128078	
Methadone	310.2 -> 265...	1/24/2017 9:31 PM	P2-B1	6.521	276977	340.67	310.2 -> 105...	131.80	Methadone-D9	319.3 -> 268...	6.499	1554558	
Methamphetamine	150.1 -> 91.1	1/24/2017 9:31 PM	P2-B1	5.171	220432	Infinity	150.1 -> 119...	4.36	Methamphetamine-D11	161.2 -> 97.1	5.150	292743	
Morphine	286.2 -> 201...	1/24/2017 9:31 PM	P2-B1	4.659	9022	12.89	286.2 -> 165...	87.20	Morphine-D6	292.2 -> 152...	4.597	14971	
Naloxone	328.2 -> 309...	1/24/2017 9:31 PM	P2-B1	5.499	61423	98.31	328.2 -> 211...	1563.42	Naltrexol-D3	347.2 -> 329...	5.132	440228	
Naltrexol	344.2 -> 326...	1/24/2017 9:31 PM	P2-B1	5.174	125974	656.52	344.2 -> 308...	5923.41	Naltrexol-D3	347.2 -> 329...	5.132	440228	
Naltrexone	342.2 -> 324...	1/24/2017 9:31 PM	P2-B1	5.316	63127	78.26	342.2 -> 55.3	33.42	Naltrexol-D3	347.2 -> 329...	5.132	440228	
Norbuprenorphine	414.3 -> 101...	1/24/2017 9:31 PM	P2-B1	5.984	10540	43.82	414.3 -> 57.3	79.25	Norbuprenorphine-D3	417.3 -> 101...	5.964	49516	
Nordiazepam	271.1 -> 140...	1/24/2017 9:31 PM	P2-B1	6.631	25929	126.96	271.1 -> 208...	Infinity	Nordiazepam-D5	276.1 -> 140...	6.630	76146	
Nortentanyl	233.2 -> 84.2	1/24/2017 9:31 PM	P2-B1	5.472	199823	370.23	233.2 -> 55.3	39.35	Nortentanyl-D5	238.2 -> 84.2	5.472	844495	
Northydrocodone	286.2 -> 199...	1/24/2017 9:31 PM	P2-B1	5.141	4486	48.49	286.2 -> 171...	2.04	Northydrocodone-D3	289.2 -> 202...	5.141	98094	
Noroxycodone	302.1 -> 284...	1/24/2017 9:31 PM	P2-B1	5.057	41730	29.44	302.1 -> 186...	46.18	Noroxycodone-D3	305.2 -> 287...	5.036	195251	
O-desmethyl-tramadol	250.2 -> 56.3	1/24/2017 9:31 PM	P2-B1	5.065	223971	549.27	250.2 -> 42.3	23.34	O-desmethyl-tramadol-...	256.2 -> 64.3	5.065	985908	
Oxazepam	287.1 -> 240...	1/24/2017 9:31 PM	P2-B1	6.463	18673	3369.10	287.1 -> 268...	2.66	Oxazepam-D5	292.1 -> 246...	5.217	86645	
Oxycodone	316.2 -> 298...	1/24/2017 9:31 PM	P2-B1	5.237	74239	174.35	316.2 -> 241...	54.22	Oxycodone-D6	322.2 -> 304...	5.237	353074	
Oxycodone	302.1 -> 284...	1/24/2017 9:31 PM	P2-B1	4.615	81801	233.20	302.1 -> 227...	201.62	Oxycodone-D3	305.2 -> 287...	4.573	396487	
Phentemine	150.1 -> 65.2	1/24/2017 9:31 PM	P2-B1	5.292	17546	Infinity	150.1 -> 133...	89.97	Phentemine-D5	155.2 -> 96.2	5.272	335524	
Promethazine	285.1 -> 86.2	1/24/2017 9:31 PM	P2-B1	6.525	479472	2342.44	285.1 -> 71.3	72.52	Promethazine-D3	288.2 -> 89.2	6.524	2525461	
Quetiapine	384.2 -> 253...	1/24/2017 9:31 PM	P2-B1	6.636	378970	870.15	384.2 -> 221...	26798...	Quetiapine-D8	392.2 -> 226...	6.595	515575	
Sertraline	306.1 -> 158...	1/24/2017 9:31 PM	P2-B1	6.706	100635	166.13	306.1 -> 275...	419.92	Sertraline-D3	309.1 -> 275...	6.705	448958	
Sufentanil	387.2 -> 238...	1/24/2017 9:31 PM	P2-B1	6.636	29895	397.25	387.2 -> 111...	38.76	Sufentanil-D5	392.2 -> 238...	6.635	1208661	
Temazepam	301.1 -> 255...	1/24/2017 9:31 PM	P2-B1	6.605	96837	78.19	301.1 -> 283...	12.70	Temazepam-D5	306.1 -> 260...	6.584	502898	

Compound Method	p1 cal ta	p1 cal ta Results	Qualifier 1 M...	Qualifier...	ISTD Method	ISTD Results						
Name	Transition	Acq. Date-Time	Pos	RT	Resp.	S/N	Transition	RT	Resp.			
Tramadol	264.2 -> 58.3	1/24/2017 9:31 PM	P2-B1	5.590	262231	59.50	264.2 -> 43.3	4.97	Tramadol-13C-D3	268.2 -> 58.3	5.569	1239813
Trazodone	372.2 -> 176...	1/24/2017 9:31 PM	P2-B1	6.778	330536	374.41	372.2 -> 148...	399.70	Sufentanil-D5	392.2 -> 238...	6.635	1208661
Venlafaxine	278.2 -> 58.3	1/24/2017 9:31 PM	P2-B1	5.936	259271	119.57	278.2 -> 260...	27.32	Venlafaxine-D6	284.2 -> 64.3	5.935	1226451
Zolpidem	308.2 -> 235...	1/24/2017 9:31 PM	P2-B1	6.401	290058	229.16	308.2 -> 263...	138.09	Zolpidem-D6	314.2 -> 235...	6.399	1440986

Compound Method	p2 cal 1b	p2 cal 1b Results	Qualifier 1 M...	Qualifier...	ISTD Method	ISTD Results						
Name	Transition	Acq. Date-Time	Pos	RT	Resp	S/N	Transition	RT	Resp			
7-aminoflunitrazepam	284.1 -> 135...	1/24/2017 9:41 PM	P2-B1	5.782	41493	Infinity	284.1 -> 93.2	94.68	7-aminoflunitrazepam-D7	291.2 -> 138...	5.780	196512
alpha-hydroxymidazolam	342.1 -> 324...	1/24/2017 9:41 PM	P2-B1	6.527	102176	Infinity	342.1 -> 203...	34916...	alpha-hydroxymidazolam-...	346.1 -> 328...	6.527	472898
Amitriptyline	278.2 -> 91.2	1/24/2017 9:41 PM	P2-B1	6.599	270533	Infinity	278.2 -> 105...	Infinity	Amitriptyline-D3	281.2 -> 91.2	6.597	591317
Amoxipiline	314.1 -> 271...	1/24/2017 9:41 PM	P2-B1	6.572	81938	144.63	314.1 -> 193...	9271.93	Amitriptyline-D3	281.2 -> 91.2	6.597	591317
Benzylegonine	290.1 -> 168...	1/24/2017 9:41 PM	P2-B1	5.411	20301	140.08	290.1 -> 105...	58.92	Benzylegonine-D8	298.2 -> 171...	5.390	7316
Carbamazepine	237.1 -> 193...	1/24/2017 9:41 PM	P2-B1	6.197	35332	5631.57	237.1 -> 194...	865.24	Carbamazepine-13C6	243.1 -> 200...	6.196	1532037
Chlordiazepoxide	300.1 -> 227...	1/24/2017 9:41 PM	P2-B1	6.655	34402	129.71	300.1 -> 282...	14.16	Chlordiazepoxide-D5	305.1 -> 286...	6.655	289405
Clomipramine	315.2 -> 86.2	1/24/2017 9:41 PM	P2-B1	6.835	436670	Infinity	315.2 -> 58.3	36988...	Clomipramine-D3	318.2 -> 89.2	6.814	2147637
Cocaine	304.2 -> 182...	1/24/2017 9:41 PM	P2-B1	5.779	222404	Infinity	304.2 -> 105...	Infinity	Cocaine-D3	307.2 -> 185...	5.758	902148
Desipramine	267.2 -> 72.3	1/24/2017 9:41 PM	P2-B1	6.498	313542	Infinity	267.2 -> 44.3	Infinity	Desipramine-D3	270.2 -> 75.3	6.498	1574789
Doxepin	280.2 -> 107...	1/24/2017 9:41 PM	P2-B1	6.313	152679	Infinity	280.2 -> 77.2	Infinity	Doxepin-D3	283.2 -> 107...	6.313	737853
Estazolam	295.1 -> 267...	1/24/2017 9:41 PM	P2-B1	6.474	69813	8128.71	295.1 -> 205...	Infinity	Estazolam-D5	300.1 -> 272...	6.451	326697
Flunitrazepam	314.1 -> 268...	1/24/2017 9:41 PM	P2-B1	6.511	61045	19285.54	314.1 -> 239...	51.36	Flunitrazepam-D7	321.1 -> 245...	6.490	20304
Flurazepam	388.2 -> 315...	1/24/2017 9:41 PM	P2-B1	6.363	203194	565.26	388.2 -> 317...	55.85	Zopiclone-D4	393.1 -> 244...	6.363	234322
Imipramine	281.2 -> 86.2	1/24/2017 9:41 PM	P2-B1	6.556	477048	222470...	281.2 -> 58.3	Infinity	Imipramine-D3	284.2 -> 61.3	6.556	1191044
Levamisole	205.1 -> 91.2	1/24/2017 9:41 PM	P2-B1	5.384	62123	248.21	205.1 -> 178...	29.49	Cocaine-D3	307.2 -> 185...	5.758	902146
Maprotiline	278.2 -> 91.2	1/24/2017 9:41 PM	P2-B1	6.211	79967	93.03	278.2 -> 117...	442.25	Mepredine-D4	252.2 -> 224...	5.807	391246
MDA	180.1 -> 163...	1/24/2017 9:41 PM	P2-B1	5.144	62300	890.34	180.1 -> 105...	Infinity	MDA-D5	185.1 -> 168...	5.144	341823
MDEA	208.1 -> 163...	1/24/2017 9:41 PM	P2-B1	5.404	139379	564.63	208.1 -> 105...	514.72	MDEA-D6	214.2 -> 166...	5.403	717486
MDMA	194.1 -> 163...	1/24/2017 9:41 PM	P2-B1	5.284	112352	Infinity	194.1 -> 105...	172.07	MDMA-D6	200.2 -> 166...	5.263	61952
Mepredine	248.2 -> 220...	1/24/2017 9:41 PM	P2-B1	5.807	77441	148.98	248.2 -> 174...	36.00	Mepredine-D4	252.2 -> 224...	5.807	391246
Methylphenidate	234.2 -> 84.2	1/24/2017 9:41 PM	P2-B1	5.687	326509	Infinity	234.2 -> 56.3	Infinity	Mepredine-D4	252.2 -> 224...	5.807	391246
Metoprolol	268.2 -> 116...	1/24/2017 9:41 PM	P2-B1	5.579	34250	51.15	268.2 -> 56.3	240.57	Mepredine-D4	252.2 -> 224...	5.807	391246
Midazolam	326.1 -> 223...	1/24/2017 9:41 PM	P2-B1	6.671	32283	104981...	326.1 -> 249...	110.23	Midazolam-D4	330.1 -> 295...	6.670	494782
Mirtazapine	266.2 -> 195...	1/24/2017 9:41 PM	P2-B1	6.254	250275	547.38	266.2 -> 72.3	551.62	Midazolam-D4	330.1 -> 295...	6.670	494782
Mitragynine	399.2 -> 174...	1/24/2017 9:41 PM	P2-B1	6.362	90678	12508.96	399.2 -> 238...	211.93	Carbamazepine-13C6	243.1 -> 200...	6.196	1532037
Norpiperidine	234.1 -> 42.3	1/24/2017 9:41 PM	P2-B1	5.748	92669	Infinity	234.1 -> 160...	365.86	Norpiperidine-D4	238.2 -> 164...	5.747	144613
Norpropoxyphene	326.2 -> 44.3	1/24/2017 9:41 PM	P2-B1	6.366	35486	59.48	326.2 -> 252...	2889.37	Norpiperidine-D5	331.2 -> 44.3	6.365	148240
Notriptyline	264.2 -> 91.2	1/24/2017 9:41 PM	P2-B1	6.438	505373	Infinity	264.2 -> 233...	908.78	Notriptyline-D3	267.2 -> 233...	6.538	653050
Ondansetron	294.2 -> 184...	1/24/2017 9:41 PM	P2-B1	6.025	118088	324.92	294.2 -> 212...	404.17	Pentazocine-13C3	289.2 -> 72.3	5.801	523130
Pentazocine	286.2 -> 218...	1/24/2017 9:41 PM	P2-B1	5.801	140255	737.46	286.2 -> 41.3	Infinity	Pentazocine-13C3	289.2 -> 72.3	5.801	523130
Phenazepam	349.0 -> 206...	1/24/2017 9:41 PM	P2-B1	6.567	59597	144.05	349.0 -> 183...	248.34	Phenazepam-D4	353.0 -> 183...	6.567	16624
Phencyclidine	244.2 -> 86.2	1/24/2017 9:41 PM	P2-B1	6.053	223233	121.29	244.2 -> 91.1	Infinity	Phencyclidine-D5	249.2 -> 86.2	6.032	1065539
Phenylethylamine	253.1 -> 104...	1/24/2017 9:41 PM	P2-B1	6.113	3451	7.60	253.1 -> 182...	1665.84	Phenylethylamine-D10	263.2 -> 192...	6.093	24062
Primaprone	325.1 -> 271...	1/24/2017 9:41 PM	P2-B1	6.996	252955	1317.70	325.1 -> 140...	233.21	Primaprone-D5	330.1 -> 276...	6.995	1158938
Propoxyphene	219.1 -> 91.2	1/24/2017 9:41 PM	P2-B1	5.485	10734	Infinity	219.1 -> 162...	37.38	Propoxyphene-D11	330.1 -> 276...	6.995	1158938
Protiplyline	340.2 -> 58.3	1/24/2017 9:41 PM	P2-B1	6.406	272185	122.06	340.2 -> 266...	Infinity	Propoxyphene-D11	351.3 -> 277...	6.384	355271
Pseudoephedrine	264.2 -> 155...	1/24/2017 9:41 PM	P2-B1	6.438	860384	2153.91	264.2 -> 161...	16.79	Notriptyline-D3	267.2 -> 233...	6.438	653050
Tapentadol	166.1 -> 148...	1/24/2017 9:41 PM	P2-B1	4.803	751743	4361.39	166.1 -> 133...	1083.74	Pseudoephedrine-D3	169.1 -> 151...	4.782	359801
Trimipramine	222.2 -> 107...	1/24/2017 9:41 PM	P2-B1	5.606	210579	320.03	222.2 -> 121...	Infinity	Trimipramine-D3	225.2 -> 107...	5.606	1011814
Verapamil	295.2 -> 100...	1/24/2017 9:41 PM	P2-B1	6.636	501442	Infinity	295.2 -> 58.3	Infinity	Trimipramine-D3	298.2 -> 103...	6.635	2343619
Zaleplon	455.3 -> 165...	1/24/2017 9:41 PM	P2-B1	6.382	282288	5187.94	455.3 -> 150...	144.29	Trimipramine-D3	298.2 -> 103...	6.635	2343619
Zopiclone	306.1 -> 236...	1/24/2017 9:41 PM	P2-B1	6.288	75728	295.06	306.1 -> 264...	298.23	Zaleplon-D4	310.2 -> 240...	6.287	279119
	389.1 -> 244...	1/24/2017 9:41 PM	P2-B1	6.363	52684	84.28	389.1 -> 216...	83.07	Zopiclone-D4	393.1 -> 244...	6.363	234322

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Compound Method				p1 external control a				p1 external control a Resu...				ISTD Method			
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier 1 M...	Transition	S/N	Qualifier...	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	1/24/2017 9:51 PM	P2-B...	5.175	19	1.17	328.2 -> 211...	1.13		6-MAM-D6	334.2 -> 165...	5.276	70892		
7-Aminoclonazepam	286.1 -> 105...	1/24/2017 9:51 PM	P2-B...	5.566	142	0.74	286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.585	162132		
Acetyl Fentanyl	323.2 -> 125...	1/24/2017 9:51 PM	P2-B...	5.057	509	0.93	323.2 -> 188...	0.71		Acetyl Fentanyl-D5	328.2 -> 105...	6.069	14758...		
Acetyl Norfentanyl	219.1 -> 84.2	1/24/2017 9:51 PM	P2-B...	5.047	189	1.01	219.1 -> 56.3	2.10		Acetyl Norfentanyl-D5	224.2 -> 84.2	5.027	544470		
alpha-PVP	325.1 -> 297...	1/24/2017 9:51 PM	P2-B...	6.680	57	1.77	325.1 -> 215...	2.40		alpha-PVP-d8	330.1 -> 302...	6.456	52093		
alpha-PVP	232.2 -> 91.0	1/24/2017 9:51 PM	P2-B...	5.881	197	0.49	232.2 -> 77.1	0.90		alpha-PVP-d8	240.2 -> 91.1	5.737	629180		
Alprazolam	309.1 -> 281...	1/24/2017 9:51 PM	P2-B...	6.380	2301	20.21	309.1 -> 205...	0.75		Alprazolam-D5	314.1 -> 286...	6.541	276770		
Amphetamine	136.1 -> 91.1	1/24/2017 9:51 PM	P2-B...	5.010	40316	18.17	136.1 -> 119...	1.39		Amphetamine-D11	147.2 -> 130...	4.949	97712		
Bupropion	240.1 -> 184...	1/24/2017 9:51 PM	P2-B...	5.921	251	0.88	240.1 -> 131...			Ketamine-D4	242.1 -> 129...	5.839	404454		
Carisoprodol	261.2 -> 176...	1/24/2017 9:51 PM	P2-B...			261.2 -> 55.3	261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	6.183	479928		
Citalopram	325.2 -> 109...	1/24/2017 9:51 PM	P2-B...	6.419	63	0.37	325.2 -> 262...	0.74		Citalopram-D6	331.2 -> 109...	6.191	973900		
Clonazepam	316.1 -> 269...	1/24/2017 9:51 PM	P2-B...	5.402	13185	Infinity	316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	6.398	33293		
Codeine	300.2 -> 214...	1/24/2017 9:51 PM	P2-B...	6.466	47	0.45	276.2 -> 231...	35.39		Codeine-D6	306.2 -> 218...	5.238	57426		
Cyclobenzaprine	276.2 -> 214...	1/24/2017 9:51 PM	P2-B...	6.263	676613	67260...	276.2 -> 147...	2285.30		Cyclobenzaprine-D3	279.2 -> 215...	6.506	725805		
Dextromethorphan	272.2 -> 171...	1/24/2017 9:51 PM	P2-B...	6.489	92	57.40	288.2 -> 133...	1.10		Dextromethorphan-D3	275.2 -> 171...	6.243	331173		
Dextrophan	258.2 -> 157...	1/24/2017 9:51 PM	P2-B...	5.489	2484	1.05	285.1 -> 153...			Dextrophan-D3	261.2 -> 157...	5.577	300447		
Diazepam	285.1 -> 193...	1/24/2017 9:51 PM	P2-B...	6.545	4302	8.22	302.2 -> 128...	18.28		Diazepam-D5	290.1 -> 198...	6.748	243655		
Dihydrocodeine	302.2 -> 198...	1/24/2017 9:51 PM	P2-B...	5.298		256.2 -> 152...	256.2 -> 152...			Dihydrocodeine-D6	308.2 -> 202...	5.055	164459		
Diphenhydramine	256.2 -> 167...	1/24/2017 9:51 PM	P2-B...	5.836	32284...	152.26	271.2 -> 167...	169.05		Diphenhydramine-D3	259.2 -> 167...	6.163	19237...		
Doxylamine	271.2 -> 182...	1/24/2017 9:51 PM	P2-B...	6.200	108	1.06	279.2 -> 250...			Doxylamine-D5	276.2 -> 187...	5.814	15032...		
EDDP	279.2 -> 235...	1/24/2017 9:51 PM	P2-B...	6.354	160	0.59	337.2 -> 188...	0.49		EDDP-D3	282.2 -> 235...	6.200	20612		
Fentanyl	337.2 -> 105...	1/24/2017 9:51 PM	P2-B...	6.354	160	0.59	337.2 -> 188...	0.49		Fentanyl-D5	342.3 -> 105...	6.271	13662...		
Fluoxetine	310.1 -> 44.3	1/24/2017 9:51 PM	P2-B...	6.440	541	1.14	310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	6.418	14114...		
Hydrocodone	300.2 -> 198...	1/24/2017 9:51 PM	P2-B...	5.402	444994	Infinity	300.2 -> 128...	260.61		Hydrocodone-D6	306.2 -> 202...	5.361	264828		
Hydromorphone	286.2 -> 184...	1/24/2017 9:51 PM	P2-B...	4.899	307	0.75	286.2 -> 157...	1.36		Hydromorphone-D6	292.2 -> 185...	4.888	113935		
Ketamine	238.1 -> 125...	1/24/2017 9:51 PM	P2-B...	6.308	302	0.54	238.1 -> 220...	0.41		Ketamine-D4	242.1 -> 129...	5.839	404454		
Meprobamate	219.1 -> 158...	1/24/2017 9:51 PM	P2-B...	6.521	1439	0.89	310.2 -> 105...			Meprobamate-D7	226.2 -> 165...	5.677	114688		
Methadone	310.2 -> 265...	1/24/2017 9:51 PM	P2-B...	6.521	1439	0.89	310.2 -> 105...			Methadone-D9	319.3 -> 268...	6.489	278060...		
Methamphetamine	150.1 -> 91.1	1/24/2017 9:51 PM	P2-B...	4.678	80723	125.57	150.1 -> 119...			Methamphetamine-D11	161.2 -> 97.1	5.150	178060...		
Morphine	286.2 -> 201...	1/24/2017 9:51 PM	P2-B...	5.561	257	0.78	328.2 -> 211...	2.42		Morphine-D6	292.2 -> 152...	4.617	13167		
Naloxone	328.2 -> 309...	1/24/2017 9:51 PM	P2-B...	5.296	7904	27.52	344.2 -> 308...	1.58		Naloxone-D3	347.2 -> 329...	5.153	433701		
Naltrexol	344.2 -> 326...	1/24/2017 9:51 PM	P2-B...	5.012	364	0.78	342.2 -> 55.3	1.45		Naltrexol-D3	347.2 -> 329...	5.153	433701		
Naltrexone	342.2 -> 324...	1/24/2017 9:51 PM	P2-B...	5.984	53	3.10	414.3 -> 57.3	13.56		Naltrexone-D3	417.3 -> 101...	5.964	53163		
Norbuprenorphine	414.3 -> 101...	1/24/2017 9:51 PM	P2-B...	5.984	53	3.10	414.3 -> 57.3	13.56		Norbuprenorphine-D3	417.3 -> 101...	5.964	53163		
Nordiazepam	271.1 -> 140...	1/24/2017 9:51 PM	P2-B...	6.387	105	0.41	271.1 -> 208...	2.05		Nordiazepam-D5	276.1 -> 140...	6.630	82978		
Norfentanyl	233.2 -> 84.2	1/24/2017 9:51 PM	P2-B...	5.289	14	0.21	233.2 -> 55.3	2.06		Norfentanyl-D5	238.2 -> 84.2	5.472	740354		
Norhydrocodone	286.2 -> 199...	1/24/2017 9:51 PM	P2-B...	5.121	251	3.03	286.2 -> 171...	0.82		Norhydrocodone-D3	289.2 -> 202...	5.141	95365		
Noroxycodone	302.1 -> 284...	1/24/2017 9:51 PM	P2-B...	5.065	1202	1.97	302.1 -> 186...	0.54		Noroxycodone-D3	305.2 -> 287...	5.036	203345		
O-desmethyl-tramadol	250.2 -> 55.3	1/24/2017 9:51 PM	P2-B...	6.382	311	4.84	287.1 -> 42.3			O-desmethyl-tramadol-...	256.2 -> 64.3	5.065	919111		
Oxazepam	287.1 -> 240...	1/24/2017 9:51 PM	P2-B...	5.176	325	1.08	316.2 -> 241...	0.51		Oxazepam-D5	292.1 -> 246...	6.463	86183		
Oxycodone	316.2 -> 298...	1/24/2017 9:51 PM	P2-B...	4.226	192	0.79	302.1 -> 227...	0.31		Oxycodone-D6	322.2 -> 304...	5.217	348496		
Oxymorphone	302.1 -> 284...	1/24/2017 9:51 PM	P2-B...	5.171	24770	1.97	150.1 -> 133...			Oxymorphone-D3	305.2 -> 287...	4.573	379561		
Phenemine	150.1 -> 65.2	1/24/2017 9:51 PM	P2-B...	6.545	998	3.00	285.1 -> 71.3	0.95		Phenemine-D5	155.2 -> 96.2	5.272	317879		
Promethazine	285.1 -> 86.2	1/24/2017 9:51 PM	P2-B...	6.616	331	0.47	384.2 -> 221...	0.43		Promethazine-D3	288.2 -> 89.2	6.524	22275...		
Quetiapine	384.2 -> 253...	1/24/2017 9:51 PM	P2-B...	6.645	534	3.85	306.1 -> 275...	4.14		Quetiapine-D8	392.2 -> 226...	6.595	507013		
Sertraline	306.1 -> 158...	1/24/2017 9:51 PM	P2-B...	6.636	1441	11.09	387.2 -> 111...	3.40		Sertraline-D3	309.1 -> 275...	6.705	447330		
Sufentanil	387.2 -> 238...	1/24/2017 9:51 PM	P2-B...	6.645	355	0.42	301.1 -> 283...			Sufentanil-D5	392.2 -> 238...	6.635	11275...		
Temazepam	301.1 -> 255...	1/24/2017 9:51 PM	P2-B...	6.645	355	0.42	301.1 -> 283...			Temazepam-D5	306.1 -> 260...	6.584	504815		

Compound Method	p1 external control a				p1 external control a Resu...				ISTD Method				ISTD Results	
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	Qualifier 1 M...	Qualifier...	S/N	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	1/24/2017 9:51 PM	P2-B...	5.569	6523	1.27	264.2 -> 43.3		0.72	Tramadol-13C-D3	268.2 -> 58.3	5.569	11586..	
Trazodone	372.2 -> 176...	1/24/2017 9:51 PM	P2-B...	6.799	30494...	519.77	372.2 -> 148...		389593...	Sufentanil-D5	392.2 -> 238...	6.635	11275..	
Venlafaxine	278.2 -> 58.3	1/24/2017 9:51 PM	P2-B...				278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.935	11445..	
Zolpidem	308.2 -> 235...	1/24/2017 9:51 PM	P2-B...	6.644	1485	2.02	308.2 -> 263...		1.05	Zolpidem-D6	314.2 -> 235...	6.399	14083..	

Compound Method	p2 external control				p2 external control Results				ISTD Method				
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifi...	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	1/24/2017 10:00 PM	P2-B...	5.945	1993	9.91	284.1 -> 93.2	2.14	7-aminoflunitrazepam-D7	291.2 -> 138...	5.780	245161	
alpha-hydroxymidazolam	342.1 -> 324...	1/24/2017 10:00 PM	P2-B...	6.527	94	0.44	342.1 -> 203...	1.62	alpha-hydroxymidazolam-...	346.1 -> 328...	6.527	506987	
Amiripylline	278.2 -> 91.2	1/24/2017 10:00 PM	P2-B...	6.375	1712	0.56	278.2 -> 105...	Infinity	Amiripylline-D3	281.2 -> 91.2	6.597	532586	
Amoxapine	314.1 -> 271...	1/24/2017 10:00 PM	P2-B...	6.552	695	11.26	314.1 -> 193...	866.91	Amiripylline-D3	281.2 -> 91.2	6.597	532586	
Benzylecgonine	290.1 -> 168...	1/24/2017 10:00 PM	P2-B...	5.391	183	0.96	290.1 -> 105...	0.87	Benzylecgonine-D8	298.2 -> 171...	5.390	6505	
Carbamazepine	237.1 -> 193...	1/24/2017 10:00 PM	P2-B...				237.1 -> 194...		Carbamazepine-13C6	243.1 -> 200...	6.196	14463...	
Chlordiazepoxide	300.1 -> 227...	1/24/2017 10:00 PM	P2-B...	6.817	6846	10.87	300.1 -> 282...		Chlordiazepoxide-D5	305.1 -> 286...	6.655	258741	
Clomipramine	315.2 -> 86.2	1/24/2017 10:00 PM	P2-B...	6.815	111	2.31	315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.814	20513...	
Cocaine	304.2 -> 182...	1/24/2017 10:00 PM	P2-B...	5.779	754	0.62	304.2 -> 105...	2.41	Cocaine-D3	307.2 -> 185...	5.758	789436	
Desipramine	267.2 -> 72.3	1/24/2017 10:00 PM	P2-B...	6.518	2386	3.37	267.2 -> 44.3	7.15	Desipramine-D3	270.2 -> 75.3	6.498	15269...	
Doxepin	280.2 -> 107...	1/24/2017 10:00 PM	P2-B...				280.2 -> 77.2		Doxepin-D3	283.2 -> 107...	6.313	671227	
Estazolam	295.1 -> 267...	1/24/2017 10:00 PM	P2-B...	6.453	217	2.46	295.1 -> 205...	0.37	Estazolam-D5	300.1 -> 272...	6.451	354391	
Flunitrazepam	314.1 -> 268...	1/24/2017 10:00 PM	P2-B...	6.531	1180	1.69	314.1 -> 239...	0.37	Flunitrazepam-D7	321.1 -> 245...	6.490	22791	
Flurazepam	388.2 -> 315...	1/24/2017 10:00 PM	P2-B...	6.302	162	58.92	388.2 -> 317...	1.21	Zopiclone-D4	393.1 -> 244...	6.363	245333	
Imipramine	281.2 -> 86.2	1/24/2017 10:00 PM	P2-B...	6.597	3707	12.02	281.2 -> 58.3	1.43	Imipramine-D3	307.2 -> 61.3	6.556	11535...	
Lewamisole	205.1 -> 91.2	1/24/2017 10:00 PM	P2-B...				205.1 -> 178...		Cocaine-D3	307.2 -> 185...	5.758	789436	
Maprotiline	278.2 -> 91.2	1/24/2017 10:00 PM	P2-B...	6.375	3038	1.63	278.2 -> 117...		Mepredine-D4	252.2 -> 224...	5.807	351154	
MDA	180.1 -> 163...	1/24/2017 10:00 PM	P2-B...				180.1 -> 105...		MDA-D5	185.1 -> 168...	5.144	330270	
MDEA	208.1 -> 163...	1/24/2017 10:00 PM	P2-B...	5.465	187	0.55	208.1 -> 105...	4.15	MDEA-D6	214.2 -> 166...	5.403	671406	
MDMA	194.1 -> 163...	1/24/2017 10:00 PM	P2-B...	5.264	202	0.41	194.1 -> 105...		MDMA-D6	200.2 -> 166...	5.263	56656	
Mepredine	248.2 -> 220...	1/24/2017 10:00 PM	P2-B...	5.807	585700	832.96	248.2 -> 174...	Infinity	Mepredine-D4	252.2 -> 224...	5.807	351154	
Methyphenidate	234.2 -> 84.2	1/24/2017 10:00 PM	P2-B...	5.605	840	2.34	234.2 -> 56.3	3.00	Mepredine-D4	252.2 -> 224...	5.807	351154	
Metoprolol	268.2 -> 116...	1/24/2017 10:00 PM	P2-B...	5.516	44	6.19	268.2 -> 56.3	4.52	Mepredine-D4	252.2 -> 224...	5.807	351154	
Midazolam	326.1 -> 223...	1/24/2017 10:00 PM	P2-B...	6.712	68	0.88	326.1 -> 249...	0.35	Midazolam-D4	330.1 -> 295...	6.670	507684	
Mirtazapine	266.2 -> 195...	1/24/2017 10:00 PM	P2-B...	6.275	172	0.76	266.2 -> 72.3		Midazolam-D4	330.1 -> 295...	6.670	507684	
Mirtazapine	399.2 -> 174...	1/24/2017 10:00 PM	P2-B...	6.443	73	0.53	399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	6.196	14463...	
Normeperidine	234.1 -> 42.3	1/24/2017 10:00 PM	P2-B...	5.565	31779	Infinity	234.1 -> 160...	0.75	Normeperidine-D4	238.2 -> 164...	5.747	398225	
Normpropoxyphene	326.2 -> 44.3	1/24/2017 10:00 PM	P2-B...	6.346	126	1.82	326.2 -> 252...		Normpropoxyphene-D5	331.2 -> 44.3	6.365	135192	
Notriptyline	264.2 -> 91.2	1/24/2017 10:00 PM	P2-B...	6.601	8270	5.63	264.2 -> 233...	23.62	Notriptyline-D3	267.2 -> 223...	6.539	658309	
Ondansetron	294.2 -> 184...	1/24/2017 10:00 PM	P2-B...	6.718	12	0.23	294.2 -> 212...	0.63	Pentazocine-13C3	289.2 -> 72.3	5.821	482382	
Pentazocine	286.2 -> 218...	1/24/2017 10:00 PM	P2-B...				286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.821	482382	
Phenazepam	349.0 -> 206...	1/24/2017 10:00 PM	P2-B...	6.527	2744	10.66	349.0 -> 183...		Phenazepam-D4	353.0 -> 183...	6.567	19219	
Phencyclidine	244.2 -> 86.2	1/24/2017 10:00 PM	P2-B...	6.094	931	97.22	244.2 -> 91.1	1.19	Phencyclidine-D5	249.2 -> 86.2	6.052	10833...	
Phenytoln	253.1 -> 104...	1/24/2017 10:00 PM	P2-B...	6.154	69	0.42	253.1 -> 182...	1.18	Phenytoln-D10	263.2 -> 192...	6.093	19637	
Praxeepam	325.1 -> 271...	1/24/2017 10:00 PM	P2-B...	6.936	48	1.55	325.1 -> 140...	0.40	Praxeepam-D5	330.1 -> 276...	6.995	12286...	
Primidone	219.1 -> 91.2	1/24/2017 10:00 PM	P2-B...	5.607	1480	2.70	219.1 -> 162...		Praxeepam-D5	330.1 -> 276...	6.995	12286...	
Propoxyphene	340.2 -> 58.3	1/24/2017 10:00 PM	P2-B...	6.304	155	35.08	340.2 -> 266...		Propoxyphene-D11	351.3 -> 277...	6.384	347473	
Protipylline	264.2 -> 155...	1/24/2017 10:00 PM	P2-B...	6.418	18	0.29	264.2 -> 161...		Notriptyline-D3	267.2 -> 233...	6.539	658309	
Pseudoephedrine	166.1 -> 148...	1/24/2017 10:00 PM	P2-B...	4.863	1549	0.74	166.1 -> 133...	0.89	Pseudoephedrine-D3	169.1 -> 151...	4.782	355491	
Tapentadol	222.2 -> 107...	1/24/2017 10:00 PM	P2-B...	5.566	208	0.43	222.2 -> 121...		Tapentadol-D3	225.2 -> 107...	5.586	947355	
Trimipramine	295.2 -> 100...	1/24/2017 10:00 PM	P2-B...	6.636	180	0.64	295.2 -> 58.3	0.58	Trimipramine-D3	298.2 -> 103...	6.636	22459...	
Verapamil	455.3 -> 165...	1/24/2017 10:00 PM	P2-B...	6.402	87	0.70	455.3 -> 150...		Trimipramine-D3	298.2 -> 103...	6.636	22459...	
Zaleplon	306.1 -> 236...	1/24/2017 10:00 PM	P2-B...				306.1 -> 264...		Zaleplon-D4	310.2 -> 240...	6.287	280560	
Zopiclone	389.1 -> 244...	1/24/2017 10:00 PM	P2-B...	6.889	99	0.54	389.1 -> 216...	0.83	Zopiclone-D4	393.1 -> 244...	6.363	245333	

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

Extraction Date: 1/24/17

Analyst: B. O'Neil

PRE-ANALYTIC

Plate Lot# _____ Stock THC plate: 0483844 Plate Exp: 6/15/17

- 1. Ensure all solutions are within expiration date.
 - Mobile Phase A: **10mM Amm Formate**
 - Mobile Phase B: **0.1% FA in MeOH**
 - Blank/Negative Blood: **Lot 321632-1**
 - Column: **Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um)**
 - **0.1% Formic Acid in water**
 - **MTBE**
 - **Hexane**
- 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
- 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 min.
- 4. Create worklist. Data path name: 1-24-17 BAW blood screen AM 25-26

ANALYTIC

- 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- 2. Add **1000 µL blood** to wells of analytical (standards) plate. Mix via aspirate and dispense.
 - Blank blood for locations containing standards/QCs and internal standards
 - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., **900rpm for 15 minutes.** *Shaker ID 66759*
- 4. Pipette **500µL 0.1% formic acid** to all wells of standards plate.
- 5. Place on shaking incubator at ambient temp., **900rpm for 15 minutes.**
- 6. Transfer **800µL of blood+acid** mixture to 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) Pressure Manifold ID 66729
Wait 5 min.
- 8. Add **2.25mL MTBE** and allow to flow under gravity for 5 minutes. **(add in 3 increments of 750uL)**
- 9. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**
- 10. Add **2.25mL Hexane** and allow to flow under gravity for 5 minutes. **(add in 3 increments of 750uL)**
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**
- 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID 66819*
- 13. Reconstitute in **100 µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

POST-ANALYTIC

- 1. Open quantitation software and create a new quantitation batch. Batch name: 1-24-17 thc screen
- 2. Make any necessary integration changes.
- 3. For unknown samples, calculated concentration > 3ng THC, THC-OH and > 5ng Carboxy-THC +/- 2% retention time of calibrators?
- 4. Did QCs pass for each analyte? Y N _____
- 5. Central File Packet to include: LIMS Worklist: Method Checklist Calibration and Control Reports

Comments:

ISP FORENSICS - Cd'A

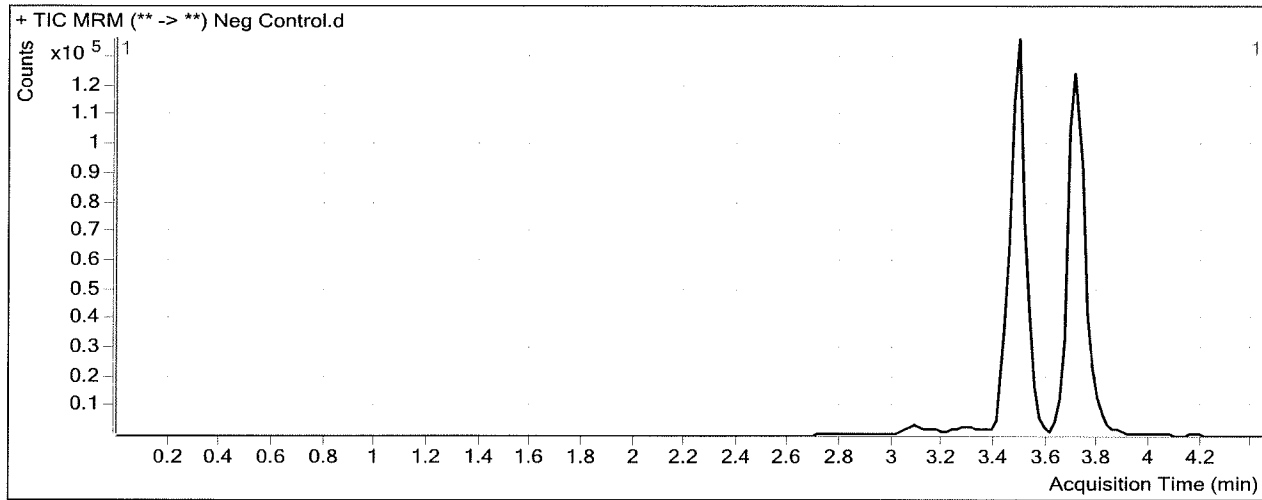
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:35 **Data File** Neg Control.d
Sample Type Sample **Sample Name** Neg Control
Dilution 1 **Acq Method** Screen THC 11102016.m
Position P1-a2 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen

Sample Chromatogram



ISP FORENSICS - Cd'A

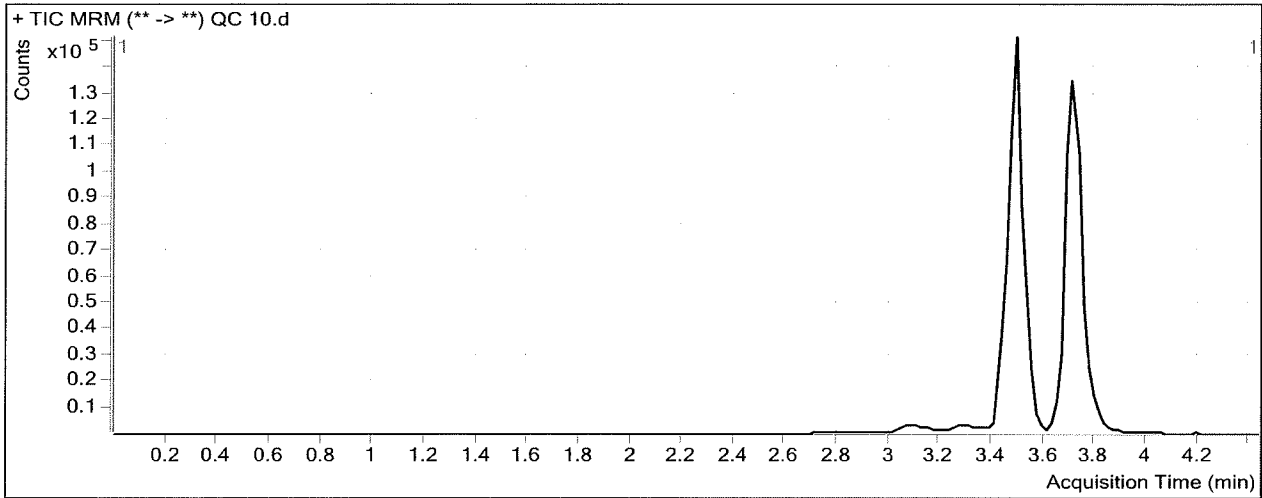
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:48 **Data File** QC 10.d
Sample Type QC **Sample Name** QC 10
Dilution 1 **Acq Method** Screen THC 11102016.m
Position P1-A3 **Sample Info**
Inj Vol -1 **Comment** AM 26 Cannabinoid screen

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	36011	423532	0.0850	9.4633
THC-COOH	3.526	17401	125532	0.1386	10.7629
THC	3.780	3030	31805	0.0953	9.7455

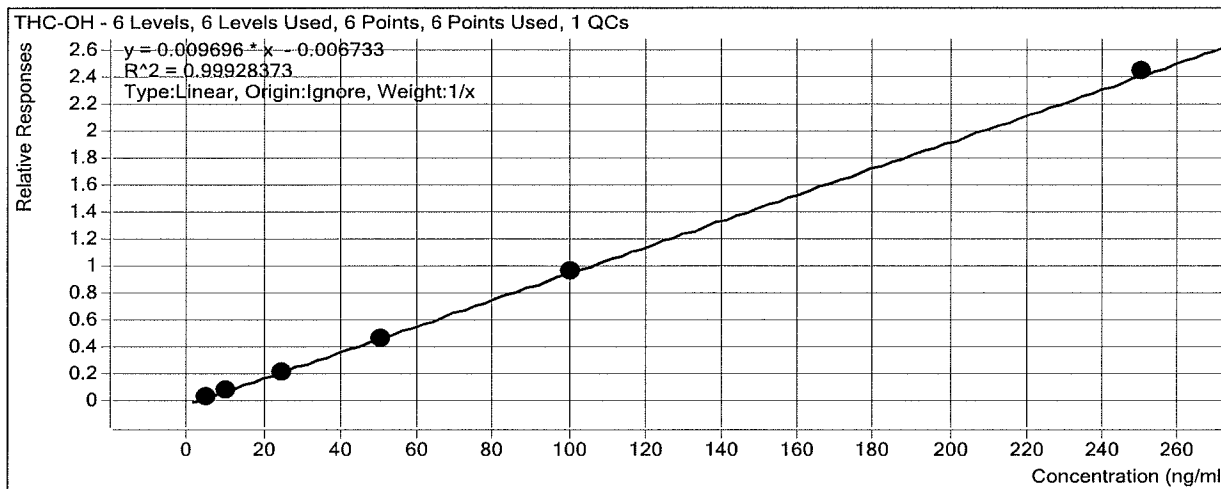
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin

Last Calib Update 1/25/2017 9:07 AM **Analyst Name** ISP TOX

Target Compound *THC-OH*

Internal Standard *THC-OH-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	5.5	109.6
cal 3	3	<input checked="" type="checkbox"/>	10	9.9	99.1
QC 10	3	<input checked="" type="checkbox"/>	10	9.5	94.6
cal 4	4	<input checked="" type="checkbox"/>	25	23.2	92.7
cal 5	5	<input checked="" type="checkbox"/>	50	48.6	97.1
cal 6	6	<input checked="" type="checkbox"/>	100	100.6	100.6
cal 7	7	<input checked="" type="checkbox"/>	250	252.3	100.9

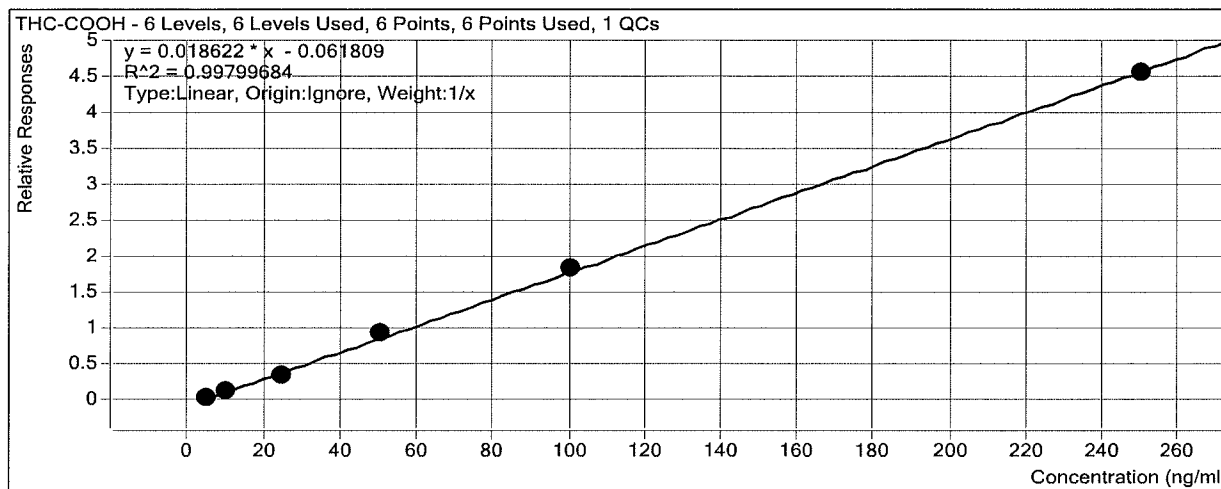
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin

Last Calib Update 1/25/2017 9:07 AM **Analyst Name** ISP TOX

Target Compound *THC-COOH*

Internal Standard *THC-COOH-d9*



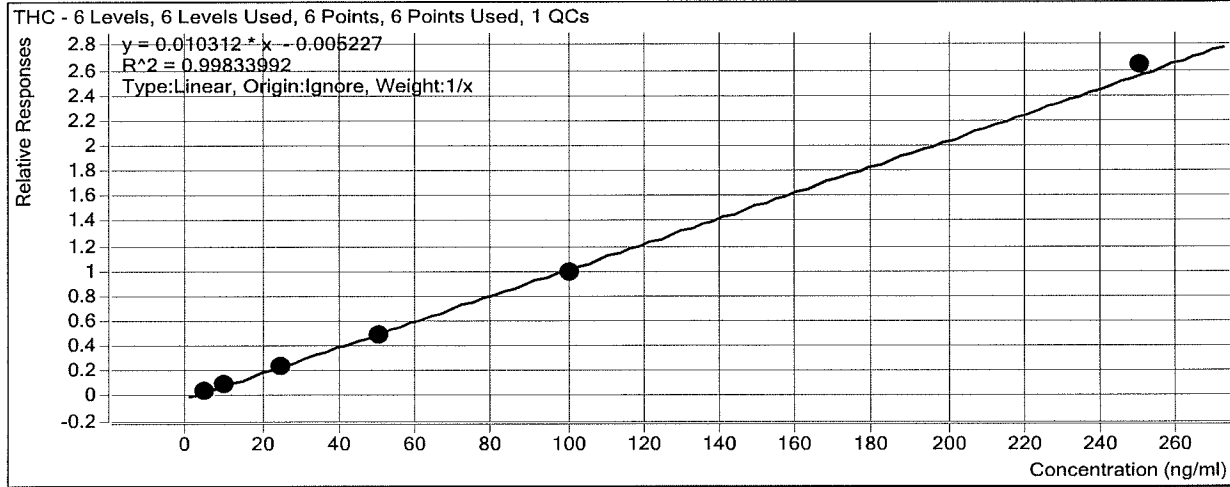
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	5.5	109.3
cal 3	3	<input checked="" type="checkbox"/>	10	9.5	94.9
QC 10	3	<input checked="" type="checkbox"/>	10	10.8	107.6
cal 4	4	<input checked="" type="checkbox"/>	25	22.0	88.2
cal 5	5	<input checked="" type="checkbox"/>	50	53.2	106.4
cal 6	6	<input checked="" type="checkbox"/>	100	102.1	102.1
cal 7	7	<input checked="" type="checkbox"/>	250	247.7	99.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin

Last Calib Update 1/25/2017 9:07 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	5.4	107.5
cal 3	3	<input checked="" type="checkbox"/>	10	10.5	105.3
QC 10	3	<input checked="" type="checkbox"/>	10	9.7	97.5
cal 4	4	<input checked="" type="checkbox"/>	25	23.1	92.5
cal 5	5	<input checked="" type="checkbox"/>	50	47.6	95.3
cal 6	6	<input checked="" type="checkbox"/>	100	96.9	96.9
cal 7	7	<input checked="" type="checkbox"/>	250	256.4	102.6

ISP FORENSICS - Cd'A

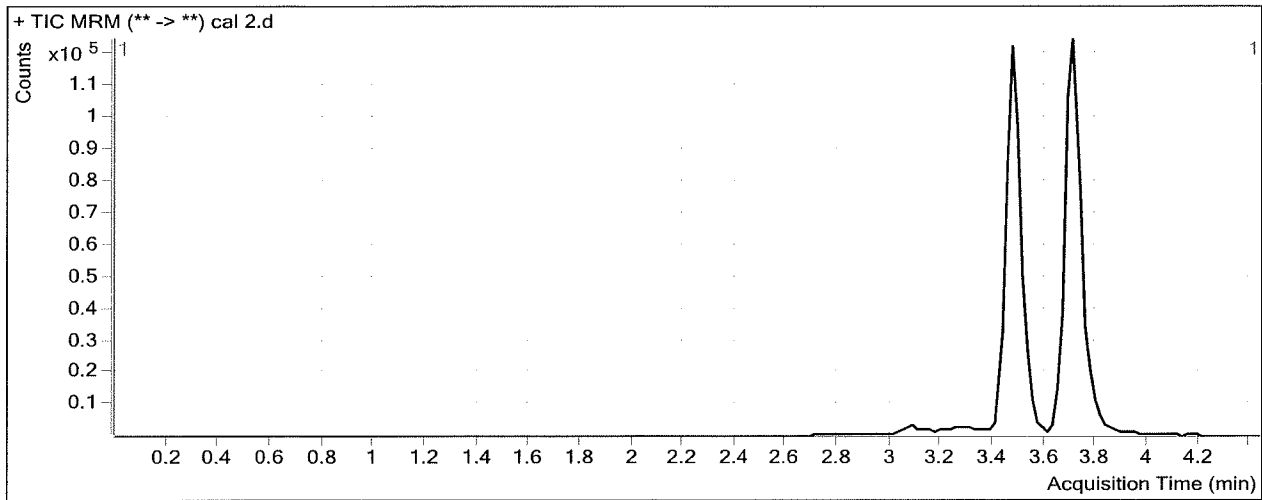
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:09 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:02 **Data File** cal 2.d
Sample Type Calibration **Sample Name** cal 2
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.473	17423	375619	0.0464	5.4783
THC-COOH	3.506	3556	88943	0.0400	5.4660
THC	3.760	1305	26010	0.0502	5.3737

ISP FORENSICS - Cd'A

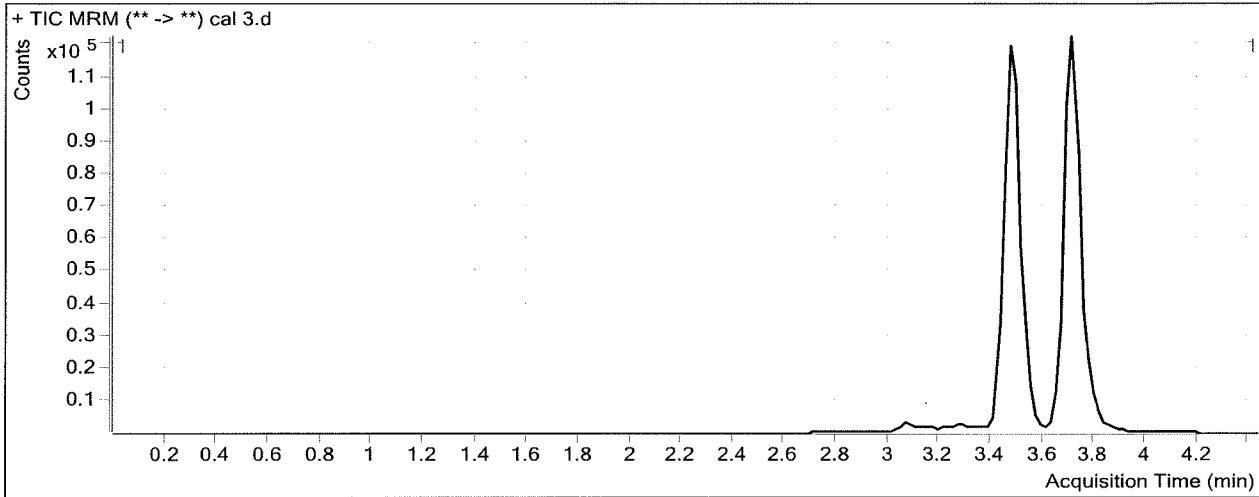
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:09 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:09 **Data File** cal 3.d
Sample Type Calibration **Sample Name** cal 3
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.473	32976	368854	0.0894	9.9145
THC-COOH	3.526	10950	95254	0.1150	9.4924
THC	3.760	2760	26698	0.1034	10.5305

ISP FORENSICS - Cd'A

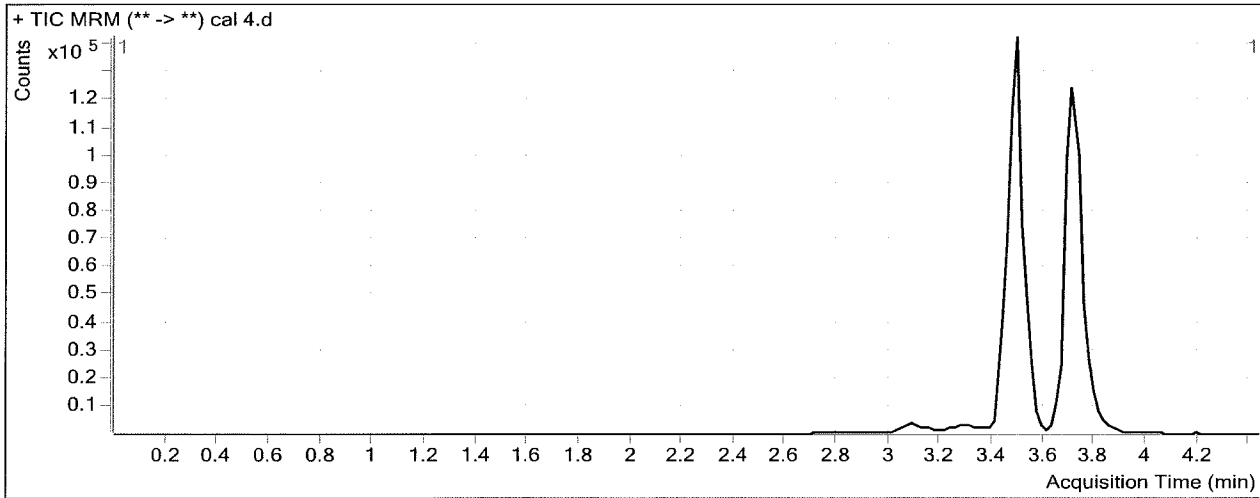
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:16 **Data File** cal 4.d
Sample Type Calibration **Sample Name** cal 4
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.493	79304	363947	0.2179	23.1672
THC-COOH	3.526	34184	98045	0.3487	22.0423
THC	3.780	6448	27651	0.2332	23.1185

BW

ISP FORENSICS - Cd'A

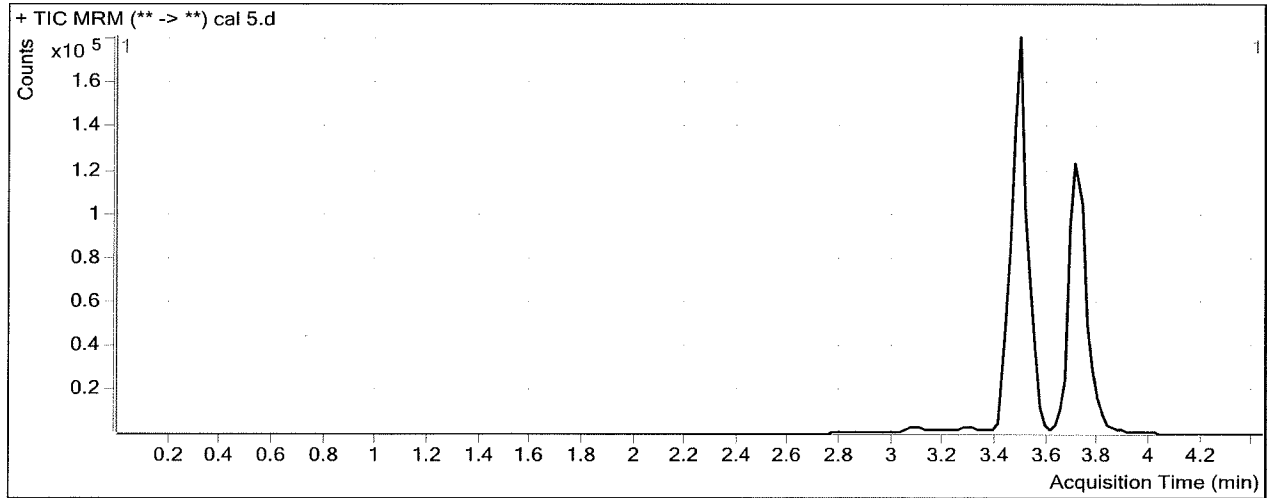
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:22 **Data File** cal 5.d
Sample Type Calibration **Sample Name** cal 5
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.493	172168	370899	0.4642	48.5681
THC-COOH	3.526	92941	100057	0.9289	53.2004
THC	3.780	13816	28429	0.4860	47.6348

ISP FORENSICS - Cd'A

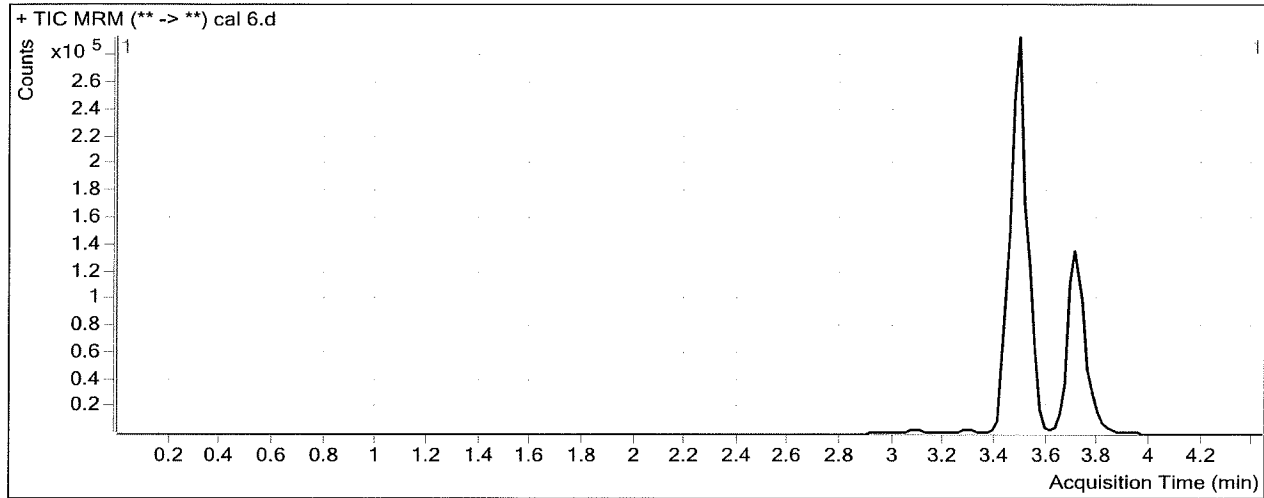
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:29 **Data File** cal 6.d
Sample Type Calibration **Sample Name** cal 6
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.493	433669	447869	0.9683	100.5581
THC-COOH	3.526	217626	118294	1.8397	102.1115
THC	3.760	29119	29293	0.9941	96.9007

ISP

ISP FORENSICS - Cd'A

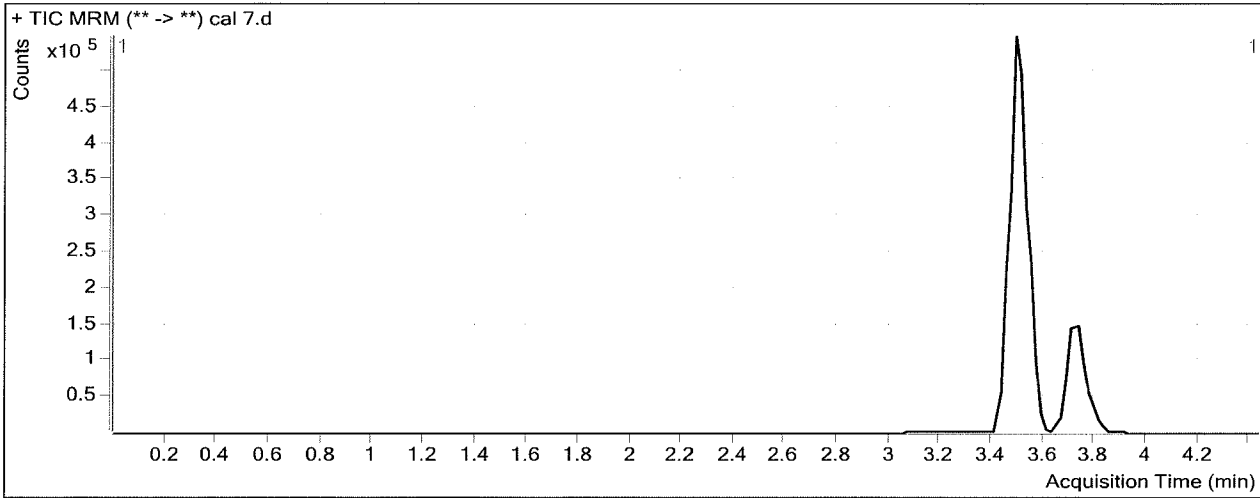
Cannabinoid Screen Report

Batch Data Path D:\2017 Data\1-24-17 BAW blood screen AM 25-26\QuantResults\1-24-17 thc screen.batch.bin
Analysis Time 1/25/2017 9:07 AM **Analyst Name** ISP Tox
Report Time 1/25/2017 9:10 AM **Reporter Name** ISP Tox
Last Calib Update 1/25/2017 9:07 AM **Batch State** Processed

Analysis Info

Acq Time 2017-01-24 16:42 **Data File** cal 7.d
Sample Type Calibration **Sample Name** cal 7
Dilution 1 **Acq Method** Screen THC 11102016.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-OH	3.493	1170326	479692	2.4397	252.3138
THC-COOH	3.546	558617	122757	4.5506	247.6875
THC	3.780	86207	32663	2.6393	256.4417