

Byylee

Worklist: 2619

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2018-1411	1	121627	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1413	1	121647	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1436	1	121895	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1446	1	121909	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1447	1	121911	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1450	1	121916	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1455	1	122158	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1494	1	122726	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1495	1	122728	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1510	1	122909	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1547	1	123255	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	
C2018-1548	1	123257	AM 25/AM 26 Blood MultiDrug/THC Screen by LC	

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

Extraction Date: ~~8-7-18~~ 8-13-18 Analyst: Anne Nord
Plate lot#: 0515207 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 18G207D7

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 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 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 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. *
Batch Name: 081318 AM 25-26 Worklist path: Mds P1, Mds P2
- 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: Originally extracted on ~~8-8-18~~ 8-7-18 there was an interferant for methamphetamine, I changed out the mobile phases this caused a shift in retention time for the samples run before the switch. TLC samples were re-extracted and run 8-13-18 Data for 8-7-18 run 080718 AM 25-26

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 1-2a		p1 cal 1-2a Results			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	Name	Transition	RT	Resp.		
6-MAM	328.2 -> 165...	8/13/2018 2:52 PM	5.055	935	Infinity	328.2 -> 211...	13.30	1305	6-MAM-D6	334.2 -> 165...	5.055	40322						
7-aminoclonazepam	286.1 -> 121...	8/13/2018 2:52 PM	5.591	29685	438.36	286.1 -> 222...	29.00	20211	7-Aminoclonazepam-D4	290.1 -> 121...	5.590	140261						
Benzoyllecgonine	290.1 -> 168...	8/13/2018 2:52 PM	5.406	17025	1252.90	290.1 -> 105...	45.07	10370	Benzoyllecgonine-D8	298.2 -> 171...	5.385	5199						
Metoprolol	268.2 -> 116...	8/13/2018 2:52 PM	5.532	16853	137.31	268.2 -> 56.3	11.83	15089	Noroxycodone-D3	305.2 -> 287...	5.037	82640						
a-hydroxyalprazolam	325.1 -> 297...	8/13/2018 2:52 PM	6.318	5263	20.62	325.1 -> 215...	8.42	3239	a-hydroxyalprazolam-D5	330.1 -> 302...	6.317	31233						
alpha-PVP	232.2 -> 91.0	8/13/2018 2:52 PM	5.599	67531	96.19	232.2 -> 77.1	22.82	26333	alpha-PVP-d8	240.2 -> 91.1	5.598	365238						
Alprazolam	309.1 -> 281...	8/13/2018 2:52 PM	6.403	50457	11075.00	309.1 -> 205...	297.42	52946	Alprazolam-D5	314.1 -> 286...	6.402	210664						
Amphetamine	136.1 -> 91.1	8/13/2018 2:52 PM	4.992	49710	19.15	136.1 -> 119...	3.31	25494	Amphetamine-D11	147.2 -> 130...	4.931	61081						
Cocaine	304.2 -> 182...	8/13/2018 2:52 PM	5.629	113356	375.86	304.2 -> 105...	62.54	26462	Cocaine-D3	307.2 -> 185...	5.629	559664						
Bupropion	240.1 -> 184...	8/13/2018 2:52 PM	5.761	31161	232.18	240.1 -> 131...	376.81	14746	Bupropion-D9	249.2 -> 185...	5.760	146642						
Carisoprodol	261.2 -> 176...	8/13/2018 2:52 PM	6.086	50267	213.03	261.2 -> 55.3	59.67	63951	Carisoprodol-D7	268.2 -> 183...	6.084	351391						
Citalopram	325.2 -> 109...	8/13/2018 2:52 PM	6.053	154650	67.51	325.2 -> 262...	4865.25	35960	Citalopram-D6	331.2 -> 109...	6.053	764207						
Clonazepam	316.1 -> 269...	8/13/2018 2:52 PM	6.279	16452	2365.95	316.1 -> 213...	39.41	4069	Clonazepam-D4	320.1 -> 217...	6.279	26185						
Codeine	300.2 -> 215...	8/13/2018 2:52 PM	4.938	6425	47.32	300.2 -> 165...	4.90	4964	Codeine-D6	306.2 -> 218...	4.914	26682						
Cyclobenzaprine	276.2 -> 214...	8/13/2018 2:52 PM	6.267	86258	357.61	276.2 -> 231...	57.20	22367	Cyclobenzaprine-D3	279.2 -> 215...	6.266	442534						
Dextromethorphan	272.2 -> 171...	8/13/2018 2:52 PM	6.063	40117	19.83	272.2 -> 147...	49.96	37478	Dextromethorphan-D3	275.2 -> 171...	6.043	216588						
Dextropropriphan	258.2 -> 157...	8/13/2018 2:52 PM	5.493	36701	199.92	258.2 -> 133...	4775.71	25235	Dextropropriphan-D3	261.2 -> 157...	5.493	216959						
Diazepam	285.1 -> 193...	8/13/2018 2:52 PM	6.631	37436	51.41	285.1 -> 153...	259.38	29601	Diazepam-D5	290.1 -> 198...	6.609	187602						
Dihydrocodeine	302.2 -> 198...	8/13/2018 2:52 PM	4.876	17932	14.08	302.2 -> 128...	8.08	11591	Dihydrocodeine-D6	308.2 -> 202...	4.854	99700						
Diphenhydramine	256.2 -> 167...	8/13/2018 2:52 PM	6.005	225074	308.91	256.2 -> 152...	127.66	57659	Diphenhydramine-D3	259.2 -> 167...	6.005	12159...						
Doxylamine	271.2 -> 182...	8/13/2018 2:52 PM	5.675	199105	82.43	271.2 -> 167...	183.49	1395...	Doxylamine-D5	276.2 -> 187...	5.674	10680...						
EDDP	279.2 -> 235...	8/13/2018 2:52 PM	6.021	71874	12311.00	279.2 -> 250...	56.64	23513	EDDP-D3	282.2 -> 235...	6.021	34013						
Fentanyl	337.2 -> 105...	8/13/2018 2:52 PM	6.052	20962	6.46	337.2 -> 188...	1098.97	11435	Fentanyl-D5	342.3 -> 105...	6.052	956064						
Fluoxetine	310.1 -> 44.3	8/13/2018 2:52 PM	6.219	221412	573.22	310.1 -> 148...	Infinity	7102	Fluoxetine-D6	316.2 -> 44.3	6.198	11557...						
Hydrocodone	300.2 -> 198...	8/13/2018 2:52 PM	5.161	23836	Infinity	300.2 -> 128...	Infinity	10207	Hydrocodone-D6	306.2 -> 202...	5.138	152153						
Hydromorphone	286.2 -> 184...	8/13/2018 2:52 PM	4.579	14986	12.71	286.2 -> 157...	6.09	10547	Hydromorphone-D6	292.2 -> 185...	4.577	56863						
Ketamine	238.1 -> 125...	8/13/2018 2:52 PM	5.475	53743	284.26	238.1 -> 220...	14.56	21817	Ketamine-D4	242.1 -> 129...	5.474	263580						
Mirtazapine	266.2 -> 195...	8/13/2018 2:52 PM	5.820	119825	83.56	266.2 -> 72.3	28.85	78987	Tramadol-13C-D3	268.2 -> 58.3	5.491	11498...						
Miltiragrine	399.2 -> 238...	8/13/2018 2:52 PM	6.111	20847	10.16	399.2 -> 174...	5715.77	42617	Tramadol-13C-D3	268.2 -> 58.3	5.491	11498...						
Meprobamate	219.1 -> 158...	8/13/2018 2:52 PM	5.661	21902	62.07	219.1 -> 97.1	52.25	18698	Meprobamate-D7	226.2 -> 165...	5.640	120287						
Methadone	310.2 -> 265...	8/13/2018 2:52 PM	6.239	173242	443.33	310.2 -> 105...	473.95	1689...	Methadone-D9	319.3 -> 268...	6.238	988940						
Methamphetamine	150.1 -> 91.1	8/13/2018 2:52 PM	5.132	64339	6.38	150.1 -> 119...	4.55	21009	Methamphetamine-D11	161.2 -> 97.1	5.092	53030						
Morphine	286.2 -> 201...	8/13/2018 2:52 PM	4.397	3233	21.66	286.2 -> 165...	10.44	2448	Morphine-D6	292.2 -> 152...	4.357	1341						
Norbuprenorphine	414.3 -> 101...	8/13/2018 2:52 PM	5.866	4302	7.43	414.3 -> 57.3	12.83	4593	Norbuprenorphine-D3	417.3 -> 101...	5.866	27654						
Nordiazepam	271.1 -> 140...	8/13/2018 2:52 PM	6.472	24267	Infinity	271.1 -> 208...	353.43	13787	Nordiazepam-D5	276.1 -> 140...	6.471	77792						
Norfentanyl	233.2 -> 84.2	8/13/2018 2:52 PM	5.395	140490	876.71	233.2 -> 55.3	38.97	50042	Norfentanyl-D5	238.2 -> 84.2	5.373	679714						
Norhydrocodone	286.2 -> 199...	8/13/2018 2:52 PM	5.123	1537	Infinity	286.2 -> 171...	Infinity	494	Norhydrocodone-D3	289.2 -> 202...	5.102	45905						
Noroxycodone	302.1 -> 284...	8/13/2018 2:52 PM	5.018	12256	Infinity	302.1 -> 186...	Infinity	5695	Noroxycodone-D3	305.2 -> 287...	5.037	82640						
O-desmethyl-tramadol	250.2 -> 58.3	8/13/2018 2:52 PM	5.007	187362	97.30	250.2 -> 42.3	104.70	9888	O-desmethyl-tramadol...	256.2 -> 64.3	5.007	892458						
Oxazepam	287.1 -> 240...	8/13/2018 2:52 PM	6.325	21239	78.55	287.1 -> 268...	8.60	10469	Oxazepam-D5	292.1 -> 246...	6.324	125014						
Oxycodone	316.2 -> 298...	8/13/2018 2:52 PM	5.056	40650	33.04	316.2 -> 241...	23.09	13303	Oxycodone-D6	322.2 -> 304...	5.035	220534						
Oxymorphone	302.1 -> 284...	8/13/2018 2:52 PM	4.433	39488	106.97	302.1 -> 227...	5.57	10033	Oxymorphone-D3	305.2 -> 287...	4.411	195841						

Compound Method	p1 cal 1-2a	p1 cal 1-2a Results	Qualifier 1 M...	Qualifier 1 Results	ISTD Method	ISTD Results						
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.
Phentermine	150.1 -> 65.2	8/13/2018 2:52 PM	5.234	16281	Infinity	150.1 -> 133...	Infinity	301	Phentermine-D5	155.2 -> 96.2	5.213	175250
Promethazine	285.1 -> 86.2	8/13/2018 2:52 PM	6.264	284501	513.19	285.1 -> 71.3	30.38	61744	Promethazine-D3	288.2 -> 89.2	6.264	15738...
Quetiapine	384.2 -> 253...	8/13/2018 2:52 PM	6.234	186715	766.68	384.2 -> 221...	16130...	97696	Quetiapine-D8	392.2 -> 226...	6.213	260338
Sertaline	306.1 -> 158...	8/13/2018 2:52 PM	6.446	53204	178.62	306.1 -> 275...	5832.46	54960	Sertaline-D3	309.1 -> 275...	6.445	295244
Tamazepam	301.1 -> 255...	8/13/2018 2:52 PM	6.467	76736	147.09	301.1 -> 283...	23.14	24123	Tamazepam-D5	306.1 -> 260...	6.446	410101
Tramadol	264.2 -> 58.3	8/13/2018 2:52 PM	5.492	205799	72.33	264.2 -> 43.3	9.94	10073	Tramadol-13C-D3	268.2 -> 58.3	5.491	11498...
Trazodone	372.2 -> 176...	8/13/2018 2:52 PM	6.499	112471	89.91	372.2 -> 148...	132.75	1018	Trazodone-D6	378.2 -> 182...	6.438	486020
Venlafaxine	278.2 -> 58.3	8/13/2018 2:52 PM	5.797	220307	105.03	278.2 -> 260...	46.58	41298	Venlafaxine-D6	284.2 -> 64.3	5.796	10991...
Zolpidem	308.2 -> 235...	8/13/2018 2:52 PM	6.057	147056	519.05	308.2 -> 263...	7482.26	56102	Zolpidem-D6	314.2 -> 235...	6.035	840114

Compound Method	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Qualifier 1...	ISTD Method	Transition	RT	Resp.
6-MAM	328.2 -> 165...	8/13/2018 1:44 PM				328.2 -> 211...		6-MAM-D6	334.2 -> 165...	5.055	36543
7-aminoclonazepam	286.1 -> 121...	8/13/2018 1:44 PM				286.1 -> 222...		7-Aminoclonazepam-D4	290.1 -> 121...	5.590	122923
Benzoylcegonine	290.1 -> 168...	8/13/2018 1:44 PM				290.1 -> 105...		Benzoylcegonine-D8	298.2 -> 171...	5.385	4455
Metoprolol	268.2 -> 116...	8/13/2018 1:44 PM				268.2 -> 56.3		Noroxycodone-D3	305.2 -> 287...	5.017	84499
a-hydroxylalprazolam	325.1 -> 297...	8/13/2018 1:44 PM				325.1 -> 215...		a-hydroxylalprazolam-D5	330.1 -> 302...	6.297	26470
alpha-PVP	232.2 -> 91.0	8/13/2018 1:44 PM				232.2 -> 77.1		alpha-PVP-d8	240.2 -> 91.1	5.577	323943
Alprazolam	309.1 -> 281...	8/13/2018 1:44 PM				309.1 -> 205...		Alprazolam-D5	314.1 -> 286...	6.382	206584
Amphetamine	136.1 -> 91.1	8/13/2018 1:44 PM	5.053	8955	8.00	136.1 -> 119...		Amphetamine-D11	147.2 -> 130...	4.951	66649
Cocaine	304.2 -> 182...	8/13/2018 1:44 PM				304.2 -> 105...		Cocaine-D3	307.2 -> 185...	5.629	442108
Bupropion	240.1 -> 184...	8/13/2018 1:44 PM				240.1 -> 131...		Bupropion-D9	249.2 -> 185...	5.740	148612
Carisoprodol	261.2 -> 176...	8/13/2018 1:44 PM				261.2 -> 55.3		Carisoprodol-D7	268.2 -> 183...	6.064	330317
Citalopram	325.2 -> 109...	8/13/2018 1:44 PM				325.2 -> 262...		Citalopram-D6	331.2 -> 109...	6.032	722965
Clonazepam	316.1 -> 269...	8/13/2018 1:44 PM				316.1 -> 213...		Clonazepam-D4	320.1 -> 217...	6.258	28892
Codeine	300.2 -> 215...	8/13/2018 1:44 PM				300.2 -> 165...		Codeine-D6	306.2 -> 218...	4.914	23687
Cyclobenzaprine	276.2 -> 214...	8/13/2018 1:44 PM				276.2 -> 231...		Cyclobenzaprine-D3	279.2 -> 215...	6.245	397060
Dextromethorphan	272.2 -> 171...	8/13/2018 1:44 PM				272.2 -> 147...		Dextromethorphan-D3	275.2 -> 171...	6.043	188560
Dextropropfan	258.2 -> 157...	8/13/2018 1:44 PM				258.2 -> 133...		Dextropropfan-D3	261.2 -> 157...	5.493	189462
Diazepam	285.1 -> 193...	8/13/2018 1:44 PM				285.1 -> 153...		Diazepam-D5	290.1 -> 198...	6.589	158825
Dihydrocodeine	302.2 -> 198...	8/13/2018 1:44 PM				302.2 -> 128...		Dihydrocodeine-D6	308.2 -> 202...	4.854	85958
Diphenhydramine	256.2 -> 167...	8/13/2018 1:44 PM				256.2 -> 152...		Diphenhydramine-D3	259.2 -> 167...	5.985	10655...
Doxylamine	271.2 -> 182...	8/13/2018 1:44 PM				271.2 -> 167...		Doxylamine-D5	276.2 -> 187...	5.674	902639
EDDP	279.2 -> 235...	8/13/2018 1:44 PM				279.2 -> 250...		EDDP-D3	282.2 -> 235...	6.000	59616
Fentanyl	337.2 -> 105...	8/13/2018 1:44 PM				337.2 -> 188...		Fentanyl-D5	342.3 -> 105...	6.032	910542
Fluoxetine	310.1 -> 44.3	8/13/2018 1:44 PM				310.1 -> 148...		Fluoxetine-D6	316.2 -> 44.3	6.198	10278...
Hydrocodone	300.2 -> 198...	8/13/2018 1:44 PM				300.2 -> 128...		Hydrocodone-D6	306.2 -> 202...	5.138	133832
Hydromorphone	286.2 -> 184...	8/13/2018 1:44 PM				286.2 -> 157...		Hydromorphone-D6	292.2 -> 185...	4.597	51318
Ketamine	238.1 -> 125...	8/13/2018 1:44 PM				238.1 -> 220...		Ketamine-D4	242.1 -> 129...	5.474	223786
Miltazapine	266.2 -> 195...	8/13/2018 1:44 PM				266.2 -> 72.3		Tramadol-13C-D3	268.2 -> 58.3	5.491	965807
Miltazapine	399.2 -> 238...	8/13/2018 1:44 PM				399.2 -> 174...		Tramadol-13C-D3	268.2 -> 58.3	5.491	965807
Meperbarnate	219.1 -> 158...	8/13/2018 1:44 PM				219.1 -> 97.1		Meperbarnate-D7	226.2 -> 165...	5.640	126670
Methadone	310.2 -> 265...	8/13/2018 1:44 PM				310.2 -> 105...		Methadone-D9	319.3 -> 268...	6.218	902826
Methamphetamine	150.1 -> 91.1	8/13/2018 1:44 PM	5.153	34302	2.04	150.1 -> 119...	1.79	Methamphetamine-D11	161.2 -> 97.1	5.112	78631
Morphine	286.2 -> 201...	8/13/2018 1:44 PM				286.2 -> 165...		Morphine-D6	292.2 -> 152...	4.357	1208
Norbuprenorphine	414.3 -> 101...	8/13/2018 1:44 PM				414.3 -> 57.3		Norbuprenorphine-D3	417.3 -> 101...	5.866	25119
Nordiazepam	271.1 -> 140...	8/13/2018 1:44 PM				271.1 -> 208...		Nordiazepam-D5	276.1 -> 140...	6.451	80351
Norfentanyl	233.2 -> 84.2	8/13/2018 1:44 PM				233.2 -> 55.3		Norfentanyl-D5	238.2 -> 84.2	5.373	583617
Norhydrocodone	286.2 -> 199...	8/13/2018 1:44 PM				286.2 -> 171...		Norhydrocodone-D3	289.2 -> 202...	5.102	38289
Noroxycodone	302.1 -> 284...	8/13/2018 1:44 PM				302.1 -> 186...		Noroxycodone-D3	305.2 -> 287...	5.017	84499
O-desmethyl-tramadol	250.2 -> 58.3	8/13/2018 1:44 PM				250.2 -> 42.3		O-desmethyl-tramadol...	256.2 -> 64.3	5.007	755596
Oxazepam	287.1 -> 240...	8/13/2018 1:44 PM				287.1 -> 268...		Oxazepam-D5	292.1 -> 246...	6.304	132987
Oxycodone	316.2 -> 298...	8/13/2018 1:44 PM				316.2 -> 241...		Oxycodone-D6	322.2 -> 304...	5.035	186421
Oxymorphone	302.1 -> 284...	8/13/2018 1:44 PM				302.1 -> 227...		Oxymorphone-D3	305.2 -> 287...	4.431	184672

Compound Method		p1 negative control			p1 negative control Results			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Qualifier 1...	Area	Name	Transition	RT	Resp.
Phentermine	150.1 -> 65.2	8/13/2018 1:44 PM				150.1 -> 133..			Phentermine-D5	155.2 -> 96.2	5.213	217439
Promethazine	285.1 -> 86.2	8/13/2018 1:44 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.243	14843..
Quetiapine	384.2 -> 253...	8/13/2018 1:44 PM				384.2 -> 221..			Quetiapine-D8	392.2 -> 226...	6.193	246814
Setraline	306.1 -> 158...	8/13/2018 1:44 PM				306.1 -> 275..			Setraline-D3	309.1 -> 275...	6.424	285444
Temazepam	301.1 -> 255...	8/13/2018 1:44 PM				301.1 -> 283..			Temazepam-D5	306.1 -> 260...	6.425	411560
Tramadol	264.2 -> 58.3	8/13/2018 1:44 PM				264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3	5.491	965807
Trazodone	372.2 -> 176...	8/13/2018 1:44 PM				372.2 -> 148..			Trazodone-D6	378.2 -> 182...	6.438	445872
Venlafaxine	278.2 -> 58.3	8/13/2018 1:44 PM	6:042	6705	Infinity	278.2 -> 260..			Venlafaxine-D6	284.2 -> 64.3	5.796	904580
Zolpidem	308.2 -> 235...	8/13/2018 1:44 PM				308.2 -> 263..			Zolpidem-D6	314.2 -> 235...	6.035	764918

Compound Method	p1 external control	p1 external control	Resul...	Qualifier 1 M...	Qualifier 1 Results	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...	8/13/2018 2:04 PM				328.2 -> 211...			6-MAM-D6	334.2 -> 165...	5.055	31120
7-Aminoclonazepam	286.1 -> 121...	8/13/2018 2:04 PM				286.1 -> 222...			7-Aminoclonazepam-D4	290.1 -> 121...	5.590	91574
Benzoylcegonine	290.1 -> 168...	8/13/2018 2:04 PM				290.1 -> 105...			Benzoylcegonine-D8	298.2 -> 171...	5.405	4195
Metoprolol	268.2 -> 116...	8/13/2018 2:04 PM				268.2 -> 56.3			Noroxycodone-D3	305.2 -> 287...	5.017	71016
a-hydroxylprazolam	325.1 -> 297...	8/13/2018 2:04 PM				325.1 -> 215...			a-hydroxylprazolam-D5	330.1 -> 302...	6.317	24279
alpha-PVP	232.2 -> 91.0	8/13/2018 2:04 PM				232.2 -> 77.1			alpha-PVP-d8	240.2 -> 91.1	5.598	411343
Alprazolam	309.1 -> 281...	8/13/2018 2:04 PM				309.1 -> 205...			Alprazolam-D5	314.1 -> 286...	6.382	183682
Amphetamine	136.1 -> 91.1	8/13/2018 2:04 PM	5.073	20326	6.27	136.1 -> 119...			Amphetamine-D11	147.2 -> 130...	4.951	132674
Cocaine	304.2 -> 182...	8/13/2018 2:04 PM				304.2 -> 105...			Cocaine-D3	307.2 -> 185...	5.629	414040
Bupropion	240.1 -> 184...	8/13/2018 2:04 PM				240.1 -> 131...			Bupropion-D9	249.2 -> 185...	5.740	367234
Carisoprodol	261.2 -> 176...	8/13/2018 2:04 PM				261.2 -> 55.3			Carisoprodol-D7	268.2 -> 183...	6.084	309806
Citalopram	325.2 -> 109...	8/13/2018 2:04 PM				325.2 -> 262...			Citalopram-D6	331.2 -> 109...	6.053	621266
Clonazepam	316.1 -> 269...	8/13/2018 2:04 PM				316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	6.279	27941
Codeine	300.2 -> 215...	8/13/2018 2:04 PM	5.161	4279	498.45	300.2 -> 165...	22.12	15773	Codeine-D6	306.2 -> 218...	4.914	26406
Cyclobenzaprine	276.2 -> 214...	8/13/2018 2:04 PM				276.2 -> 231...			Cyclobenzaprine-D3	279.2 -> 215...	6.266	359443
Dextromethorphan	272.2 -> 171...	8/13/2018 2:04 PM				272.2 -> 147...			Dextromethorphan-D3	275.2 -> 171...	6.063	173070
Dextropropfan	258.2 -> 157...	8/13/2018 2:04 PM				258.2 -> 133...			Dextropropfan-D3	261.2 -> 157...	5.493	164750
Diazepam	285.1 -> 193...	8/13/2018 2:04 PM				285.1 -> 153...			Diazepam-D5	290.1 -> 198...	6.609	161137
Dihydrocodeine	302.2 -> 198...	8/13/2018 2:04 PM				302.2 -> 128...			Dihydrocodeine-D6	308.2 -> 202...	4.874	80604
Diphenhydramine	256.2 -> 167...	8/13/2018 2:04 PM				256.2 -> 152...			Diphenhydramine-D3	259.2 -> 167...	5.985	10342...
Doxylamine	271.2 -> 182...	8/13/2018 2:04 PM				271.2 -> 167...			Doxylamine-D5	276.2 -> 187...	5.674	804749
EDDP	279.2 -> 235...	8/13/2018 2:04 PM				279.2 -> 250...			EDDP-D3	282.2 -> 235...	6.021	60598
Fentanyl	337.2 -> 105...	8/13/2018 2:04 PM				337.2 -> 188...			Fentanyl-D5	342.3 -> 105...	6.032	790371
Fluoxetine	310.1 -> 44.3	8/13/2018 2:04 PM				310.1 -> 148...			Fluoxetine-D6	316.2 -> 44.3	6.198	943586
Hydrocodone	300.2 -> 198...	8/13/2018 2:04 PM	5.161	154066	Infinity	300.2 -> 128...	Infinity	66828	Hydrocodone-D6	306.2 -> 202...	5.138	120692
Hydromorphone	286.2 -> 184...	8/13/2018 2:04 PM	4.598	106582	255.56	286.2 -> 157...	Infinity	75062	Hydromorphone-D6	292.2 -> 185...	4.577	50501
Ketamine	238.1 -> 125...	8/13/2018 2:04 PM				238.1 -> 220...			Ketamine-D4	242.1 -> 129...	5.474	239865
Mirtazapine	266.2 -> 195...	8/13/2018 2:04 PM				266.2 -> 72.3			Tramadol-13C-D3	268.2 -> 58.3	5.491	885932
Mitragynine	399.2 -> 238...	8/13/2018 2:04 PM				399.2 -> 174...			Tramadol-13C-D3	268.2 -> 58.3	5.491	885932
Meperbamate	219.1 -> 158...	8/13/2018 2:04 PM				219.1 -> 97.1			Meperbamate-D7	226.2 -> 165...	5.640	106751
Methadone	310.2 -> 265...	8/13/2018 2:04 PM				310.2 -> 105...			Methadone-D9	319.3 -> 268...	6.238	800177
Methamphetamine	150.1 -> 91.1	8/13/2018 2:04 PM	5.173	49087	8.09	150.1 -> 119...	Infinity	17993	Methamphetamine-D11	161.2 -> 97.1	5.112	348797
Morphine	286.2 -> 201...	8/13/2018 2:04 PM				286.2 -> 165...			Morphine-D6	292.2 -> 152...	4.357	1120
Norbuprenorphine	414.3 -> 101...	8/13/2018 2:04 PM				414.3 -> 57.3			Norbuprenorphine-D3	417.3 -> 152...	5.887	23076
Nordiazepam	271.1 -> 140...	8/13/2018 2:04 PM				271.1 -> 208...			Nordiazepam-D5	276.1 -> 140...	6.471	73616
Norfentanyl	233.2 -> 84.2	8/13/2018 2:04 PM				233.2 -> 55.3			Norfentanyl-D5	238.2 -> 84.2	5.394	522616
Norhydrocodone	286.2 -> 199...	8/13/2018 2:04 PM				286.2 -> 171...			Norhydrocodone-D3	289.2 -> 202...	5.123	34896
Noroxycodone	302.1 -> 284...	8/13/2018 2:04 PM				302.1 -> 186...			Noroxycodone-D3	305.2 -> 287...	5.017	71016
O-desmethyl-tramadol	250.2 -> 58.3	8/13/2018 2:04 PM				250.2 -> 42.3			O-desmethyl-tramadol...	256.2 -> 64.3	5.007	691510
Oxazepam	287.1 -> 240...	8/13/2018 2:04 PM				287.1 -> 268...			Oxazepam-D5	292.1 -> 246...	6.304	121462
Oxycodone	316.2 -> 298...	8/13/2018 2:04 PM				316.2 -> 241...			Oxycodone-D6	322.2 -> 304...	5.035	171317
Oxymorphone	302.1 -> 284...	8/13/2018 2:04 PM				302.1 -> 227...			Oxymorphone-D3	305.2 -> 287...	4.431	162109

Compound Method		p1 external control		p1 external control		Qualifier 1 M...		Qualifier 1 Results		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	
Phentermine	150.1 -> 65.2	8/13/2018 2:04 PM				150.1 -> 133...			Phentermine-D5	155.2 -> 96.2	5.213	436644	
Promethazine	285.1 -> 86.2	8/13/2018 2:04 PM				285.1 -> 71.3			Promethazine-D3	288.2 -> 89.2	6.264	12674...	
Quetiapine	384.2 -> 253...	8/13/2018 2:04 PM				384.2 -> 221...			Quetiapine-D8	392.2 -> 226...	6.213	235148	
Sertraline	306.1 -> 158...	8/13/2018 2:04 PM	6.425	473416	1269...	306.1 -> 275...	48352...	4412...	Sertraline-D3	309.1 -> 275...	6.445	243054	
Temazepam	301.1 -> 255...	8/13/2018 2:04 PM				301.1 -> 283...			Temazepam-D5	306.1 -> 260...	6.446	352029	
Tramadol	264.2 -> 58.3	8/13/2018 2:04 PM				264.2 -> 43.3			Tramadol-13C-D3	268.2 -> 58.3	5.491	885932	
Trazodone	372.2 -> 176...	8/13/2018 2:04 PM				372.2 -> 148...			Trazodone-D6	378.2 -> 182...	6.438	470145	
Venlafaxine	278.2 -> 58.3	8/13/2018 2:04 PM	6.062	6322	3.69	278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.796	837654	
Zolpidem	308.2 -> 235...	8/13/2018 2:04 PM				308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	6.035	734312	

Compound Method	Transition	Acq. Date-Time	RT	p1 cal 1-2a Results	Qualifier 1 M...	Qualifier 1 Results	ISTD Method	Transition	RT	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Area	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	8/13/2018 1:25 PM	5.116	604	Infinity	352	6-MAM-D6	334.2 -> 165...	5.055	29732
7-aminoclonazepam	286.1 -> 121...	8/13/2018 1:25 PM	5.612	23285	113.40	17034	7-Aminoclonazepam-D4	290.1 -> 121...	5.590	118152
Benzoylcegonine	290.1 -> 168...	8/13/2018 1:25 PM	5.426	10767	47.10	7645	Benzoylcegonine-D8	298.2 -> 171...	5.405	3583
Metoprolol	268.2 -> 116...	8/13/2018 1:25 PM	5.553	11984	63.28	8871	Noroxycodone-D3	305.2 -> 287...	5.037	68737
a-hydroxylalprazolam	325.1 -> 297...	8/13/2018 1:25 PM	6.318	4847	29.59	3156	a-hydroxylalprazolam-D5	330.1 -> 302...	6.297	24241
alpha-PVP	232.2 -> 91.0	8/13/2018 1:25 PM	5.619	50098	125.83	17662	alpha-PVP-d8	240.2 -> 91.1	5.598	267263
Alprazolam	309.1 -> 281...	8/13/2018 1:25 PM	6.383	39783	232.2 -> 215...	20.09	Alprazolam-D5	314.1 -> 286...	6.382	175576
Amphetamine	136.1 -> 91.1	8/13/2018 1:25 PM	4.992	37590	183.41	41858	Amphetamine-D11	147.2 -> 130...	4.951	43334
Cocaine	304.2 -> 182...	8/13/2018 1:25 PM	5.629	83520	27.95	16.78	Cocaine-D3	307.2 -> 185...	5.629	404536
Bupropion	240.1 -> 184...	8/13/2018 1:25 PM	5.761	20257	49.93	22066	Bupropion-D9	249.2 -> 185...	5.740	101504
Carisoprodol	261.2 -> 176...	8/13/2018 1:25 PM	6.065	40382	23.86	51696	Carisoprodol-D7	268.2 -> 183...	6.064	289014
Citalopram	325.2 -> 109...	8/13/2018 1:25 PM	6.053	133470	10662...	360.48	Citalopram-D6	331.2 -> 109...	6.032	574225
Clonazepam	316.1 -> 269...	8/13/2018 1:25 PM	6.279	14108	553.09	5232	Clonazepam-D4	320.1 -> 217...	6.258	25604
Codeline	300.2 -> 215...	8/13/2018 1:25 PM	4.938	5495	204.22	3740	Codeline-D6	306.2 -> 218...	4.935	23957
Cyclobenzaprine	276.2 -> 214...	8/13/2018 1:25 PM	6.246	70273	128.35	21213	Cyclobenzaprine-D3	279.2 -> 215...	6.245	367008
Dextromethorphan	272.2 -> 171...	8/13/2018 1:25 PM	6.043	32492	5794.93	27338	Dextromethorphan-D3	275.2 -> 171...	6.043	165431
Diazepam	258.2 -> 157...	8/13/2018 1:25 PM	5.493	28810	78.84	17249	Dextroproprian-D3	261.2 -> 157...	5.493	167340
Dihydrocodeline	285.1 -> 193...	8/13/2018 1:25 PM	6.610	35335	52.73	25069	Diazepam-D5	290.1 -> 198...	6.589	156006
Diphenhydramine	302.2 -> 198...	8/13/2018 1:25 PM	4.896	13278	10.78	10933	Dihydrocodeline-D6	308.2 -> 202...	4.874	75675
Doxylamine	256.2 -> 167...	8/13/2018 1:25 PM	5.985	154959	166.88	43273	Diphenhydramine-D3	259.2 -> 167...	5.985	963762
EDDP	271.2 -> 182...	8/13/2018 1:25 PM	5.675	154036	64.13	1062...	Doxylamine-D5	276.2 -> 187...	5.674	794866
Fentanyl	279.2 -> 235...	8/13/2018 1:25 PM	6.001	50667	283.34	14170	EDDP-D3	282.2 -> 235...	6.000	26750
Fluoxetine	337.2 -> 105...	8/13/2018 1:25 PM	6.052	14443	36.51	7918	Fentanyl-D5	342.3 -> 105...	6.032	836744
Hydrocodone	310.1 -> 44.3	8/13/2018 1:25 PM	6.199	183124	Infinity	5911	Fluoxetine-D6	316.2 -> 44.3	6.198	852510
Hydromorphone	300.2 -> 198...	8/13/2018 1:25 PM	5.161	18261	Infinity	7355	Hydrocodone-D6	306.2 -> 202...	5.138	117454
Ketamine	286.2 -> 184...	8/13/2018 1:25 PM	4.618	10370	8.42	6968	Hydromorphone-D6	292.2 -> 185...	4.597	44251
Mirtazapine	238.1 -> 125...	8/13/2018 1:25 PM	5.496	42244	460.79	16332	Ketamine-D4	242.1 -> 129...	5.474	190971
Mirtazapine	266.2 -> 195...	8/13/2018 1:25 PM	5.820	89106	29.92	62172	Tramadol-13C-D3	268.2 -> 58.3	5.491	875851
Mitragynine	399.2 -> 238...	8/13/2018 1:25 PM	6.091	15793	2309.62	34442	Tramadol-13C-D3	268.2 -> 58.3	5.491	875851
Meproamate	219.1 -> 158...	8/13/2018 1:25 PM	5.661	19717	142.96	14958	Meproamate-D7	226.2 -> 165...	5.640	106984
Methadone	310.2 -> 265...	8/13/2018 1:25 PM	6.219	137083	240.75	1351...	Methadone-D9	319.3 -> 266...	6.218	794613
Methamphetamine	150.1 -> 91.1	8/13/2018 1:25 PM	5.153	53555	10.70	14843	Methamphetamine-D11	161.2 -> 97.1	5.132	36652
Morphine	286.2 -> 201...	8/13/2018 1:25 PM	4.378	2626	89.06	1203	Methamphetamine-D11	161.2 -> 97.1	5.132	36652
Norbuprenorphine	414.3 -> 101...	8/13/2018 1:25 PM	5.907	4832	8.04	4299	Morphine-D6	292.2 -> 152...	4.377	1844
Nordiazepam	271.1 -> 140...	8/13/2018 1:25 PM	6.472	21482	128.37	13828	Norbuprenorphine-D3	417.3 -> 101...	5.866	21436
Norfentanyl	233.2 -> 84.2	8/13/2018 1:25 PM	5.395	104268	28630...	6331.32	Nordiazepam-D5	276.1 -> 140...	6.451	73429
Norhydrocodone	286.2 -> 199...	8/13/2018 1:25 PM	5.123	1696	8.83	33.73	Norfentanyl-D5	238.2 -> 84.2	5.394	498338
Noroxycodone	302.1 -> 284...	8/13/2018 1:25 PM	5.038	8992	Infinity	397	Norhydrocodone-D3	289.2 -> 202...	5.102	39267
O-desmethyl-tramadol	250.2 -> 58.3	8/13/2018 1:25 PM	5.027	140037	287.15	6593	Noroxycodone-D3	305.2 -> 287...	5.037	68737
Oxazepam	287.1 -> 240...	8/13/2018 1:25 PM	6.304	19774	52.86	10765	O-desmethyl-tramadol...	256.2 -> 64.3	5.007	689053
Oxycodone	316.2 -> 298...	8/13/2018 1:25 PM	5.056	32167	895.27	10473	Oxazepam-D5	292.1 -> 246...	6.304	120100
Oxymorphone	302.1 -> 284...	8/13/2018 1:25 PM	4.453	31562	9.69	8244	Oxycodone-D6	322.2 -> 304...	5.035	173516
							Oxymorphone-D3	305.2 -> 287...	4.431	186862

This was the first injection of the run, it had poor recovery and chromatography for phenentermine & 6-MAM. I re-injected the sample. That injection runs used for evaluation or data.

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Compound Method		p1 cal 1-2a		p1 cal 1-2a Results		Qualifier 1 M...		Qualifier 1 Results		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Area	Name	Transition	RT	Resp.	
Phentermine	150.1 -> 65.2	8/13/2018 1:25 PM	5.254	10054	Infinity	150.1 -> 133..	Infinity	128	Phentermine-D5	155.2 -> 96.2	5.233	129016	
Promethazine	285.1 -> 86.2	8/13/2018 1:25 PM	6.244	211338	438.79	285.1 -> 71.3	36.77	46217	Promethazine-D3	288.2 -> 89.2	6.243	1227524	
Quetiapine	384.2 -> 253..	8/13/2018 1:25 PM	6.214	137324	487.80	384.2 -> 221..	101.76	75119	Quetiapine-D8	392.2 -> 226...	6.193	215537	
Sertraline	306.1 -> 158...	8/13/2018 1:25 PM	6.425	46968	87.85	306.1 -> 275...	95.93	43323	Sertraline-D3	309.1 -> 275...	6.424	248590	
Temazepam	301.1 -> 255...	8/13/2018 1:25 PM	6.446	61452	211.53	301.1 -> 283..	17.39	20555	Temazepam-D5	306.1 -> 260...	6.425	335775	
Tamadol	264.2 -> 58.3	8/13/2018 1:25 PM	5.492	167555	121.74	264.2 -> 43.3	5.38	7803	Tamadol-13C-D3	268.2 -> 58.3	5.491	875851	
Trazodone	372.2 -> 176...	8/13/2018 1:25 PM	6.459	82923	195.17	372.2 -> 148..	152.86	66138	Trazodone-D6	378.2 -> 182...	6.438	570017	
Venlafaxine	278.2 -> 58.3	8/13/2018 1:25 PM	5.797	164045	93.96	278.2 -> 260..	36.14	32929	Venlafaxine-D6	284.2 -> 64.3	5.796	800371	
Zolpidem	308.2 -> 235...	8/13/2018 1:25 PM	6.037	129125	19920...	308.2 -> 263..	116.37	41470	Zolpidem-D6	314.2 -> 235...	6.035	663211	

Compound Method	Transition	Acq. Date-Time	p2 cal 1-2b		p2 cal 1-2b Results		Qualifier 1 M...		Qualifier 1 Results		ISTD Method	ISTD Results	
			RT	Resp.	S/N	MI	Transition	MI	S/N	Area		Name	RT
Acetylferantyl	323.2 -> 188...	8/13/2018 1:35 PM	5.881	7262	411.48	✓	323.2 -> 105...	✓	~	12229	Acetylferantyl-D5	5.880	775715
alpha-hydroxymidazolam	342.1 -> 324...	8/13/2018 1:35 PM	6.365	46942	52.90	✓	342.1 -> 203...	✓	31.72	28034	alpha-hydroxymidazolam-...	6.365	271230
Amiripryline	278.2 -> 91.2	8/13/2018 1:35 PM	6.314	161047	∞	✓	278.2 -> 105...	✓	38.43	58435	Amiripryline-D3	6.312	357738
Acetyl/norfentany	219.1 -> 84.2	8/13/2018 1:35 PM	4.978	6646	359.27	✓	219.1 -> 56.3	✓	1501...	2202	Acetyl/norfentany-D5	4.977	373922
Carbamazepine	237.1 -> 193...	8/13/2018 1:35 PM	6.097	20390	135.78	✓	237.1 -> 194...	✓	∞	1891...	Carbamazepine-13C6	6.095	1020825
Chlordiazepoxide	300.1 -> 227...	8/13/2018 1:35 PM	6.492	20567	49.83	✓	300.1 -> 282...	✓	10.88	10344	Chlordiazepoxide-D5	6.492	183695
Sufentanil	387.2 -> 238...	8/13/2018 1:35 PM	6.222	15606	182.04	✓	387.2 -> 111...	✓	17.20	12304	Sufentanil-D5	6.221	613978
Desipramine	267.2 -> 72.3	8/13/2018 1:35 PM	6.275	18313	34.91	✓	267.2 -> 44.3	✓	26.14	96672	Desipramine-D3	6.275	912865
Doxepin	280.2 -> 107...	8/13/2018 1:35 PM	6.130	75278	67.10	✓	280.2 -> 77.2	✓	∞	29666	Doxepin-D3	6.129	450128
Estazolam	295.1 -> 267...	8/13/2018 1:35 PM	6.331	38586	∞	✓	295.1 -> 205...	✓	92.74	34332	Estazolam-D5	6.309	202955
Flunitrazepam	314.1 -> 268...	8/13/2018 1:35 PM	6.368	34731	87.31	✓	314.1 -> 239...	✓	3667...	12323	Flunitrazepam-D7	6.368	7480
Flurazepam	388.2 -> 315...	8/13/2018 1:35 PM	6.080	106756	∞	✓	388.2 -> 317...	✓	192.23	22192	Zopiclone-D4	5.998	229350
Impipramine	281.2 -> 86.2	8/13/2018 1:35 PM	6.292	245513	801.20	✓	281.2 -> 58.3	✓	∞	1533...	Impipramine-D3	6.291	790780
Levamisole	205.1 -> 91.2	8/13/2018 1:35 PM	5.204	30002	42.04	✓	205.1 -> 178...	✓	4.86	25474	Sufentanil-D5	6.221	613978
Maprotiline	278.2 -> 91.2	8/13/2018 1:35 PM	6.314	161047	∞	✓	278.2 -> 117...	✓	∞	65486	Amiripryline-D3	6.312	357738
MDA	180.1 -> 163...	8/13/2018 1:35 PM	5.206	38760	88.76	✓	180.1 -> 105...	✓	∞	24763	MDA-D5	5.186	219265
MDEA	208.1 -> 163...	8/13/2018 1:35 PM	5.447	74253	∞	✓	208.1 -> 105...	✓	∞	62381	MDEA-D6	5.426	375381
MDMA	194.1 -> 163...	8/13/2018 1:35 PM	5.306	74771	363.08	✓	194.1 -> 105...	✓	∞	47540	MDMA-D6	5.306	46541
Meperidine	248.2 -> 220...	8/13/2018 1:35 PM	5.646	40405	∞	✓	248.2 -> 174...	✓	146.20	19818	Meperidine-D4	5.645	203441
Methylphenidate	234.2 -> 84.2	8/13/2018 1:35 PM	5.587	217887	1736...	✓	234.2 -> 56.3	✓	41.21	53311	Meperidine-D4	5.645	203441
Midazolam	326.1 -> 223...	8/13/2018 1:35 PM	6.468	19659	83.54	✓	326.1 -> 249...	✓	95.55	18515	Midazolam-D4	6.468	331255
Normeperidine	234.1 -> 42.3	8/13/2018 1:35 PM	5.669	48724	445.76	✓	234.1 -> 160...	✓	118.69	34918	Normeperidine-D4	5.647	158281
7-Aminoflunitrazepam	284.1 -> 135...	8/13/2018 1:35 PM	5.763	32150	161.13	✓	284.1 -> 93.2	✓	115.00	10274	7-aminoflunitrazepam-D7	5.742	157605
Nortriptyline	264.2 -> 91.2	8/13/2018 1:35 PM	6.296	105617	∞	✓	264.2 -> 233...	✓	∞	1412...	Nortriptyline-D3	6.295	272522
Phenazepam	349.0 -> 206...	8/13/2018 1:35 PM	6.405	43801	248.15	✓	349.0 -> 183...	✓	193.23	33838	Phenazepam-D4	6.405	16906
Phencyclidine	244.2 -> 86.2	8/13/2018 1:35 PM	5.892	112355	∞	✓	244.2 -> 91.1	✓	5.22	77739	Phencyclidine-D5	5.891	615751
Phenytol	253.1 -> 104...	8/13/2018 1:35 PM	6.033	2248	8.14	✓	253.1 -> 182...	✓	37.19	2394	Phenytol-D10	6.012	11521
Pseudoephedrine	166.1 -> 148...	8/13/2018 1:35 PM	4.784	572295	100.04	✓	166.1 -> 133...	✓	74.60	1064...	Pseudoephedrine-D3	4.784	274694
Tapentadol	222.2 -> 107...	8/13/2018 1:35 PM	5.507	112397	∞	✓	222.2 -> 121...	✓	∞	43755	Tapentadol-D3	5.506	643693
Zaleplon	306.1 -> 236...	8/13/2018 1:35 PM	6.207	34670	99.29	✓	306.1 -> 264...	✓	6791...	24327	Zaleplon-D4	6.186	142418
Zopiclone	389.1 -> 244...	8/13/2018 1:35 PM	5.998	17272	965.09	✓	389.1 -> 216...	✓	13.01	10003	Zopiclone-D4	5.998	229350

Compound Method	p2 negative control	p2 negative control Results	Qualifier 1 M...	Qualifier 1 R...	ISTD Method	ISTD Results							
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	MI	S/N	Area	Name	RT	Resp.
Acetylfentanyl	323.2 -> 188...	8/13/2018 1:54 PM					323.2 -> 105...				Acetylfentanyl-D5	5.880	989076
alpha-hydroxymidazolam	342.1 -> 324...	8/13/2018 1:54 PM					342.1 -> 203...				alpha-hydroxymidazolam...	6.365	302191
Amtripryline	278.2 -> 91.2	8/13/2018 1:54 PM					278.2 -> 105...				Amtripryline-D3	6.312	373003
Acetylrofantanyl	219.1 -> 84.2	8/13/2018 1:54 PM					219.1 -> 56.3				Acetylrofantanyl-D5	4.957	381160
Carbamazepine	237.1 -> 193...	8/13/2018 1:54 PM					237.1 -> 194...				Carbamazepine-13C6	6.095	11194...
Chlordiazepoxide	300.1 -> 227...	8/13/2018 1:54 PM					300.1 -> 282...				Chlordiazepoxide-D5	6.492	211562
Sufentanil	387.2 -> 238...	8/13/2018 1:54 PM					387.2 -> 111...				Sufentanil-D5	6.241	672990
Desipramine	267.2 -> 72.3	8/13/2018 1:54 PM					267.2 -> 44.3				Desipramine-D3	6.275	10506...
Doxepin	280.2 -> 107...	8/13/2018 1:54 PM					280.2 -> 77.2				Doxepin-D3	6.129	492513
Estazolam	295.1 -> 267...	8/13/2018 1:54 PM					295.1 -> 205...				Estazolam-D5	6.309	223978
Flunitrazepam	314.1 -> 268...	8/13/2018 1:54 PM					314.1 -> 239...				Flunitrazepam-D7	6.368	8593
Flurazepam	388.2 -> 315...	8/13/2018 1:54 PM					388.2 -> 317...				Zopiclone-D4	5.977	232747
Imipramine	281.2 -> 86.2	8/13/2018 1:54 PM					281.2 -> 58.3				Imipramine-D3	6.291	895766
Levamisole	205.1 -> 91.2	8/13/2018 1:54 PM					205.1 -> 178...				Sufentanil-D5	6.241	672990
Maprotiline	278.2 -> 91.2	8/13/2018 1:54 PM					278.2 -> 117...				Amtripryline-D3	6.312	373003
MDA	180.1 -> 163...	8/13/2018 1:54 PM					180.1 -> 105...				MDA-D5	5.186	239334
MDEA	208.1 -> 163...	8/13/2018 1:54 PM					208.1 -> 105...				MDEA-D6	5.426	294502
MDMA	194.1 -> 163...	8/13/2018 1:54 PM					194.1 -> 105...				MDMA-D6	5.306	47808
Meperidine	248.2 -> 220...	8/13/2018 1:54 PM					248.2 -> 174...				Meperidine-D4	5.645	204723
Methylphenidate	234.2 -> 84.2	8/13/2018 1:54 PM					234.2 -> 56.3				Meperidine-D4	5.645	204723
Midazolam	326.1 -> 223...	8/13/2018 1:54 PM					326.1 -> 249...				Midazolam-D4	6.468	358249
Normeperidine	234.1 -> 42.3	8/13/2018 1:54 PM					234.1 -> 160...				Normeperidine-D4	5.647	166253
7-Aminoflunitrazepam	284.1 -> 135...	8/13/2018 1:54 PM	5.783	1196	30.30		284.1 -> 93.2				7-aminoflunitrazepam-D7	5.742	172839
Nortriptyline	264.2 -> 91.2	8/13/2018 1:54 PM					264.2 -> 233...				Nortriptyline-D3	6.295	319783
Phenazepam	349.0 -> 206...	8/13/2018 1:54 PM					349.0 -> 183...				Phenazepam-D4	6.405	20150
Phencyclidine	244.2 -> 86.2	8/13/2018 1:54 PM					244.2 -> 91.1				Phencyclidine-D5	5.891	730115
Phenytoln	253.1 -> 104...	8/13/2018 1:54 PM					253.1 -> 182...				Phenytoln-D10	6.012	11690
Pseudoephedrine	166.1 -> 148...	8/13/2018 1:54 PM					166.1 -> 133...				Pseudoephedrine-D3	4.764	313284
Tapentadol	222.2 -> 107...	8/13/2018 1:54 PM					222.2 -> 121...				Tapentadol-D3	5.506	688060
Zaleplon	306.1 -> 236...	8/13/2018 1:54 PM					306.1 -> 264...				Zaleplon-D4	6.207	162443
Zopiclone	389.1 -> 244...	8/13/2018 1:54 PM					389.1 -> 216...				Zopiclone-D4	5.977	232747

Compound Method		p2 external control		p2 external control Results		Qualifier 1 M...		Qualifier 1 Resu...		ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	MI	S/N	Area	Name	RT	Resp.
Acetylfentanyl	323.2 -> 188...	8/13/2018 2:14 PM					323.2 -> 105...				Acetylfentanyl-D5	5.880	886355
alpha-hydroxymidazolam	342.1 -> 324...	8/13/2018 2:14 PM					342.1 -> 203...				alpha-hydroxymidazolam...	6.365	263405
Amtripryline	278.2 -> 91.2	8/13/2018 2:14 PM					278.2 -> 105...				Amtripryline-D3	6.312	320400
Acetylnoorfentanyl	219.1 -> 84.2	8/13/2018 2:14 PM					219.1 -> 56.3				Acetylnoorfentanyl-D5	4.957	328458
Carbamazepine	237.1 -> 193...	8/13/2018 2:14 PM					237.1 -> 194...				Carbamazepine-13C6	6.095	10178...
Chlordiazepoxide	300.1 -> 227...	8/13/2018 2:14 PM					300.1 -> 282...				Chlordiazepoxide-D5	6.492	182383
Sufentanil	387.2 -> 238...	8/13/2018 2:14 PM					387.2 -> 111...				Sufentanil-D5	6.241	546897
Desipramine	267.2 -> 72.3...	8/13/2018 2:14 PM					267.2 -> 44.3				Desipramine-D3	6.275	922348
Doxepin	280.2 -> 107...	8/13/2018 2:14 PM					280.2 -> 77.2				Doxepin-D3	6.129	433626
Estazolam	295.1 -> 267...	8/13/2018 2:14 PM					295.1 -> 205...				Estazolam-D5	6.309	196475
Flunitrazepam	314.1 -> 268...	8/13/2018 2:14 PM					314.1 -> 239...				Flunitrazepam-D7	6.368	7177
Flurazepam	388.2 -> 315...	8/13/2018 2:14 PM					388.2 -> 317...				Zopiclone-D4	5.998	185055
Imipramine	281.2 -> 86.2	8/13/2018 2:14 PM					281.2 -> 58.3				Imipramine-D3	6.291	801217
Levamisole	205.1 -> 91.2	8/13/2018 2:14 PM					205.1 -> 178...				Sufentanil-D5	6.241	546897
Maprotiline	278.2 -> 91.2	8/13/2018 2:14 PM					278.2 -> 117...				Amtripryline-D3	6.312	320400
MDA	180.1 -> 163...	8/13/2018 2:14 PM					180.1 -> 105...				MDA-D5	5.186	215724
MDEA	208.1 -> 163...	8/13/2018 2:14 PM					208.1 -> 105...				MDEA-D6	5.426	277428
MDMA	194.1 -> 163...	8/13/2018 2:14 PM					194.1 -> 105...				MDMA-D6	5.306	40043
Meperidine	248.2 -> 220...	8/13/2018 2:14 PM					248.2 -> 174...				Meperidine-D4	5.645	210220
Methylphenidate	234.2 -> 84.2	8/13/2018 2:14 PM					234.2 -> 56.3				Meperidine-D4	5.645	210220
Midazolam	326.1 -> 223...	8/13/2018 2:14 PM					326.1 -> 249...				Midazolam-D4	6.468	308750
Normeperidine	234.1 -> 42.3	8/13/2018 2:14 PM					234.1 -> 160...				Normeperidine-D4	5.647	152925
7-Aminoflunitrazepam	284.1 -> 135...	8/13/2018 2:14 PM	5.783	1067	29.56		284.1 -> 93.2				7-aminoflunitrazepam-D7	5.742	116466
Nortriptyline	264.2 -> 91.2	8/13/2018 2:14 PM	6.296	522011	∞		264.2 -> 233...		∞	4469...	Nortriptyline-D3	6.295	266146
Phenazepam	349.0 -> 206...	8/13/2018 2:14 PM					349.0 -> 183...				Phenazepam-D4	6.405	17378
Phencyclidine	244.2 -> 86.2	8/13/2018 2:14 PM					244.2 -> 91.1				Phencyclidine-D5	5.891	791412
Phenyltoin	253.1 -> 104...	8/13/2018 2:14 PM					253.1 -> 182...				Phenyltoin-D10	6.012	11361
Pseudoephedrine	166.1 -> 148...	8/13/2018 2:14 PM					166.1 -> 133...				Pseudoephedrine-D3	4.743	370469
Tapentadol	222.2 -> 107...	8/13/2018 2:14 PM					222.2 -> 121...				Tapentadol-D3	5.506	615650
Zaleplon	306.1 -> 236...	8/13/2018 2:14 PM					306.1 -> 264...				Zaleplon-D4	6.207	151161
Zopiclone	389.1 -> 244...	8/13/2018 2:14 PM					389.1 -> 216...				Zopiclone-D4	5.998	185055

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

Extraction Date: 8-7-18

Analyst: Ann Nord

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
Hexane

Blank Blood Lot: ~~17J20718~~

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

LCMS-QQQ ID: 62340 ^{18G}20707

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **1000 µL 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 µL 0.1% formic acid** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800 µL 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 **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: can screen Batch Name: 080718 AM 25-26
- 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:



ISP FORENSICS - Cd'A

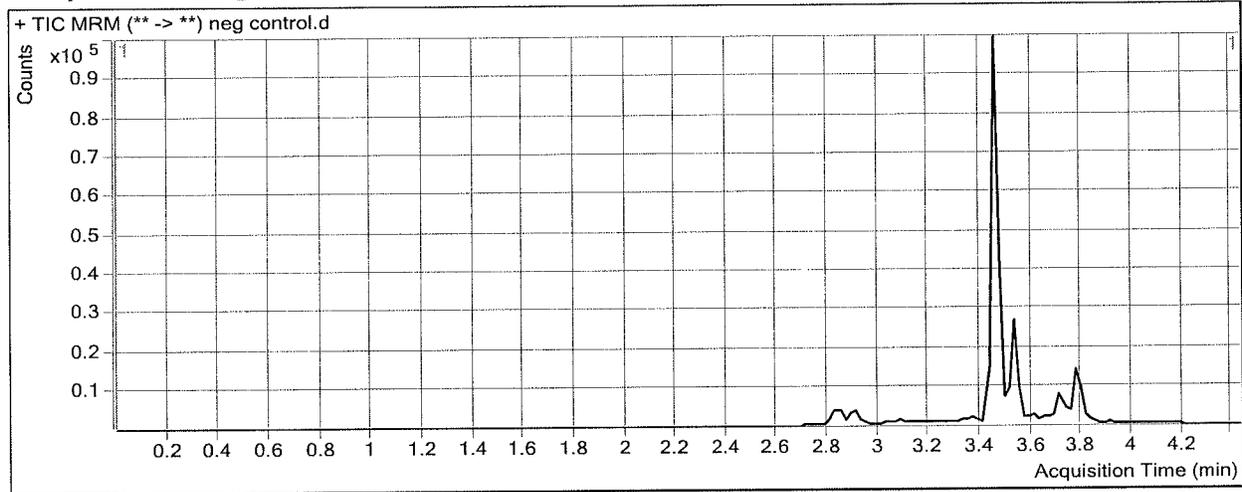
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 22:13 **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

Sample Chromatogram



Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.513	1825	194585	0.0094	0.0000
THC-COOH	3.346	3443	51910	0.0663	1.5454

ISP FORENSICS - Cd'A

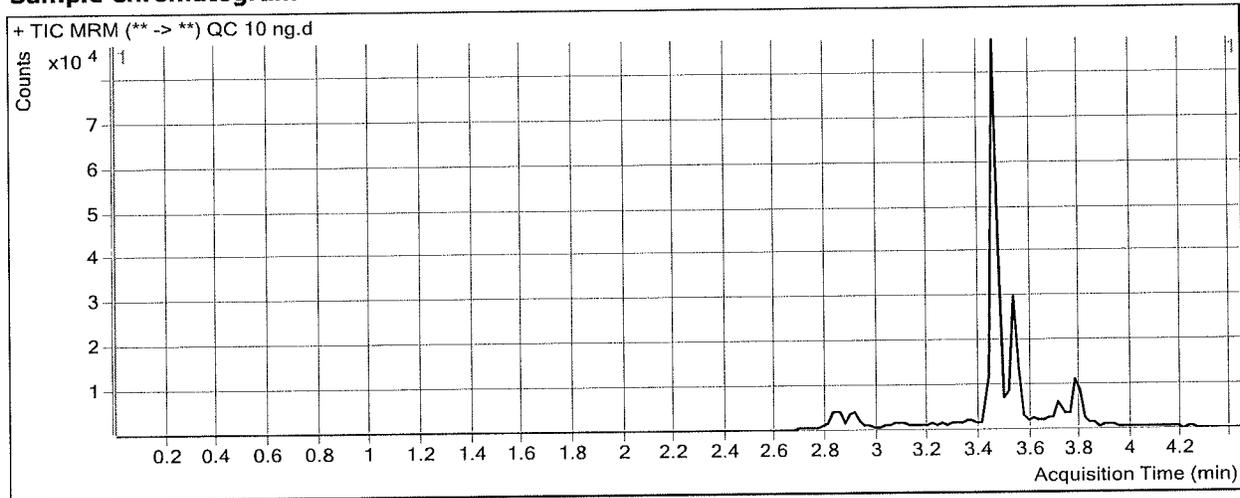
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 22:00 **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

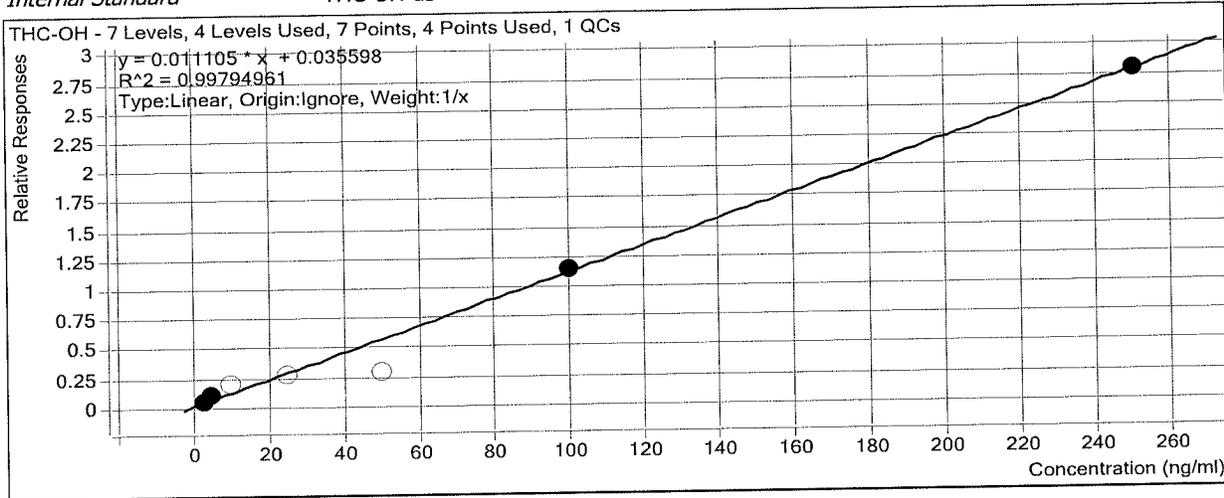
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	18070	153993	0.1173	7.3610
THC-COOH	3.526	13167	44286	0.2973	11.2004
THC	3.780	1465	9857	0.1486	11.2537

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
8/9/2018 11:08 AM **Analyst Name** ISP TOX

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



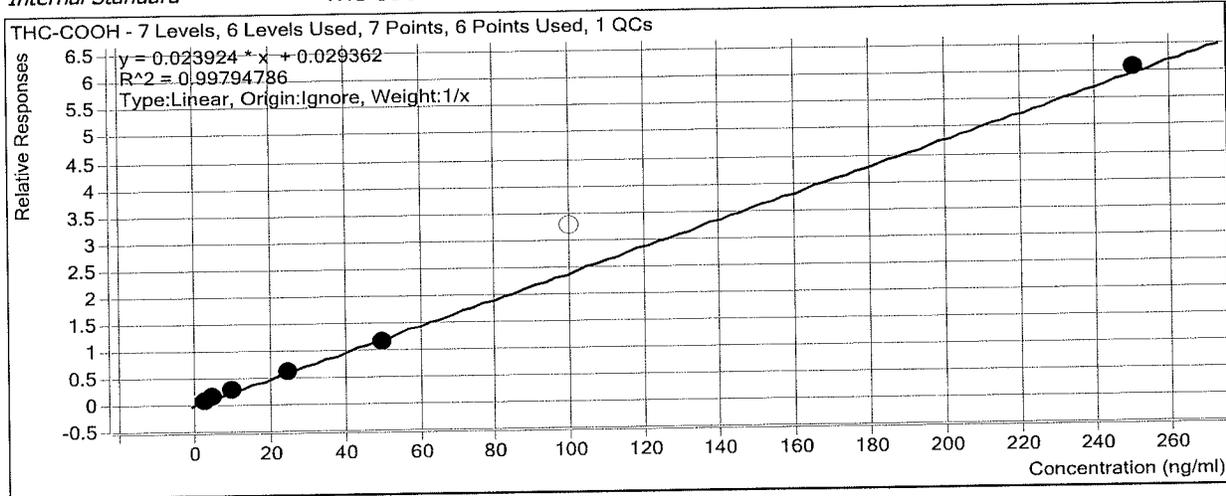
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	<input checked="" type="checkbox"/>	3	2.1	71.2
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	6.4	128.2
cal 3 - 10ng	3	<input type="checkbox"/>	10	14.9	148.8
QC 10 ng	3	<input checked="" type="checkbox"/>	10	7.4	73.6
cal 4 - 25ng	4	<input type="checkbox"/>	25	21.4	85.7
cal 5 - 50ng	5	<input type="checkbox"/>	50	24.3	48.5
cal 6 - 100ng	6	<input checked="" type="checkbox"/>	100	101.2	101.2
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	248.2	99.3

dropped 10 - internal standard peak cut off ★
 dropped 25 - internal standard peak and primary cut off. ★
 dropped 50 - primary peak cut off. ★

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Last Calib Update 8/9/2018 11:08 AM **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 checked="" type="checkbox"/>	3	2.5	83.7
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	6.0	120.9
cal 3 - 10ng	3	<input checked="" type="checkbox"/>	10	10.3	102.6
QC 10 ng	3	<input checked="" type="checkbox"/>	10	11.2	112.0
cal 4 - 25ng	4	<input checked="" type="checkbox"/>	25	24.7	98.6
cal 5 - 50ng	5	<input checked="" type="checkbox"/>	50	46.5	92.9
cal 6 - 100ng	6	<input type="checkbox"/>	100	134.9	134.9
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	253.1	101.2

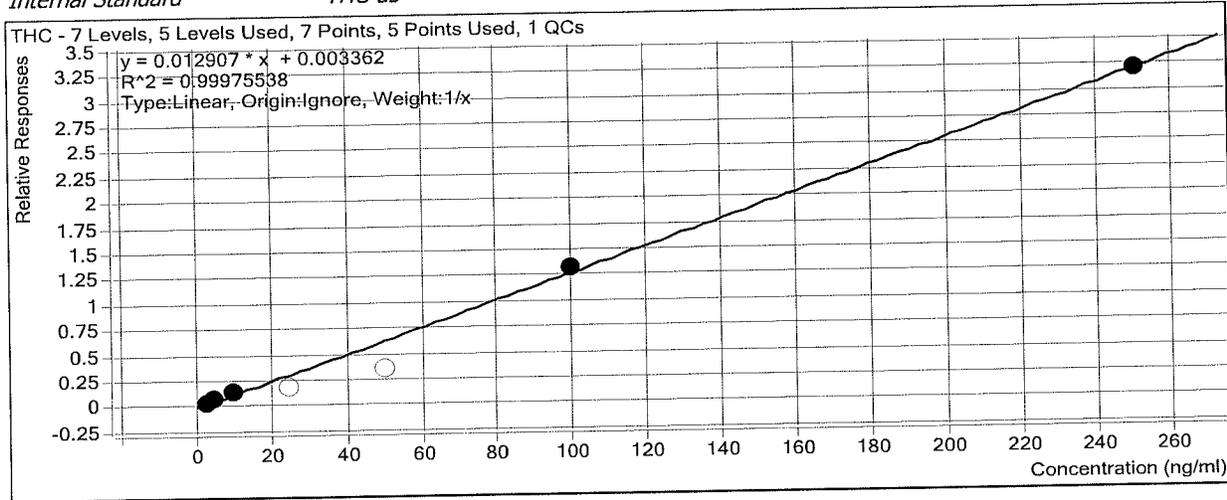
dropped 100 internal standard peak cut off. *[Signature]*

[Signature]

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Last Calib Update 8/9/2018 11:08 AM **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	2.8	93.4
cal 2 - 5ng	2	<input checked="" type="checkbox"/>	5	5.1	101.4
cal 3 - 10ng	3	<input checked="" type="checkbox"/>	10	10.4	104.3
QC 10 ng	3	<input checked="" type="checkbox"/>	10	11.3	112.5
cal 4 - 25ng	4	<input type="checkbox"/>	25	13.9	55.5
cal 5 - 50ng	5	<input type="checkbox"/>	50	27.7	55.4
cal 6 - 100ng	6	<input checked="" type="checkbox"/>	100	101.8	101.8
cal 7 - 250ng	7	<input checked="" type="checkbox"/>	250	247.9	99.2

dropped 25 and 50 top of peak cutoff. *at*

ISP FORENSICS - Cd'A

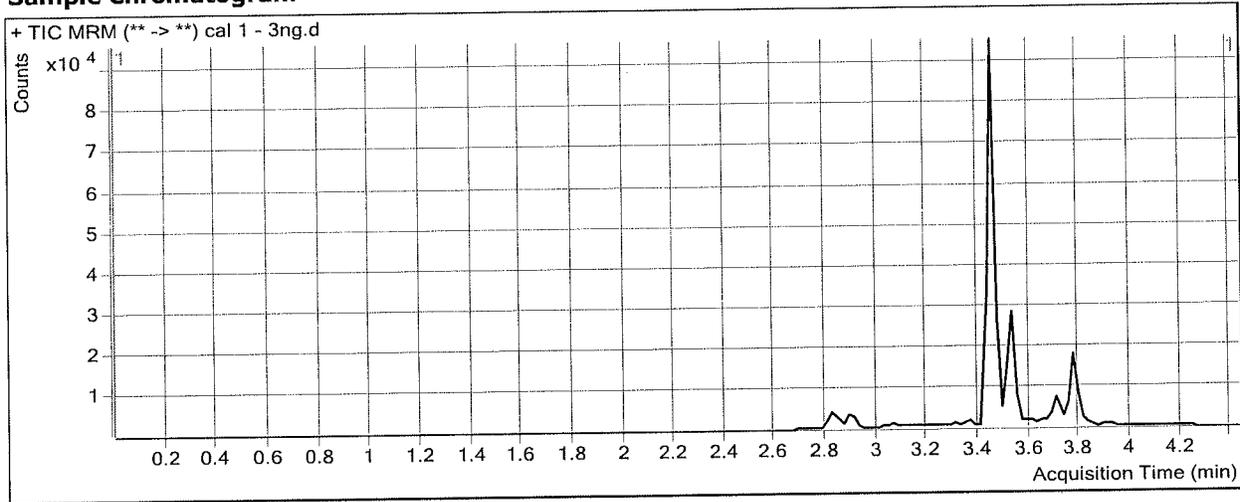
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM Analyst Name ISP Tox
Report Time 8/9/2018 1:16 PM Reporter Name ISP Tox
Last Calib Update 8/9/2018 11:08 AM Batch State Processed

Analysis Info

Acq Time 2018-08-07 21:07 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-OH	3.453	10858	183010	0.0593	2.1370
THC-COOH	3.526	4886	54624	0.0894	2.5112
THC	3.780	952	24081	0.0395	2.8013

ISP FORENSICS - Cd'A

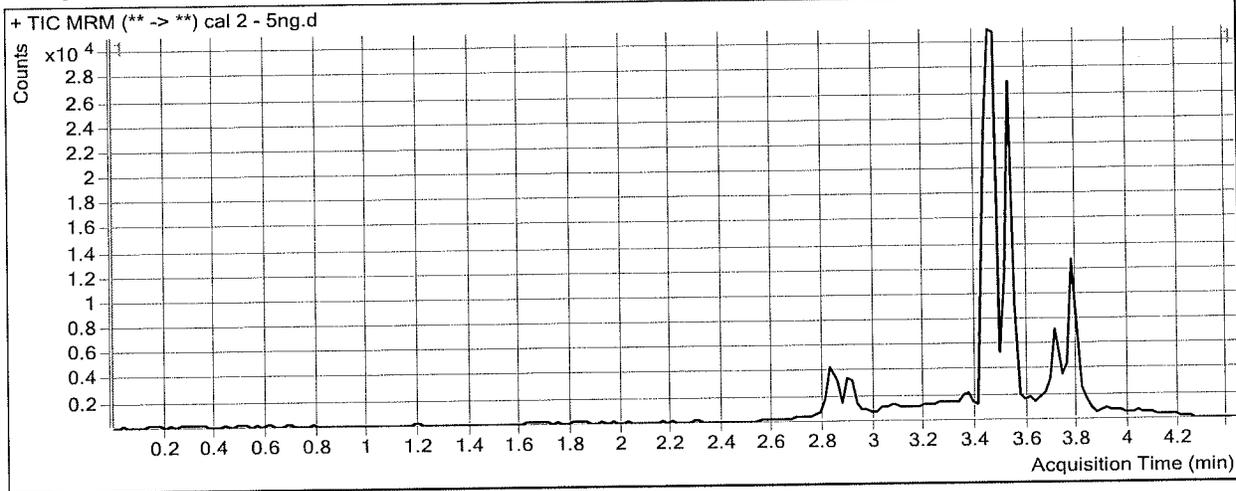
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM Analyst Name ISP Tox
Report Time 8/9/2018 1:16 PM Reporter Name ISP Tox
Last Calib Update 8/9/2018 11:08 AM Batch State Processed

Analysis Info

Acq Time 2018-08-07 21:14 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-OH	3.453	10002	93649	0.1068	6.4119
THC-COOH	3.526	8001	45972	0.1740	6.0474
THC	3.780	1040	15124	0.0688	5.0688

ISP FORENSICS - Cd'A

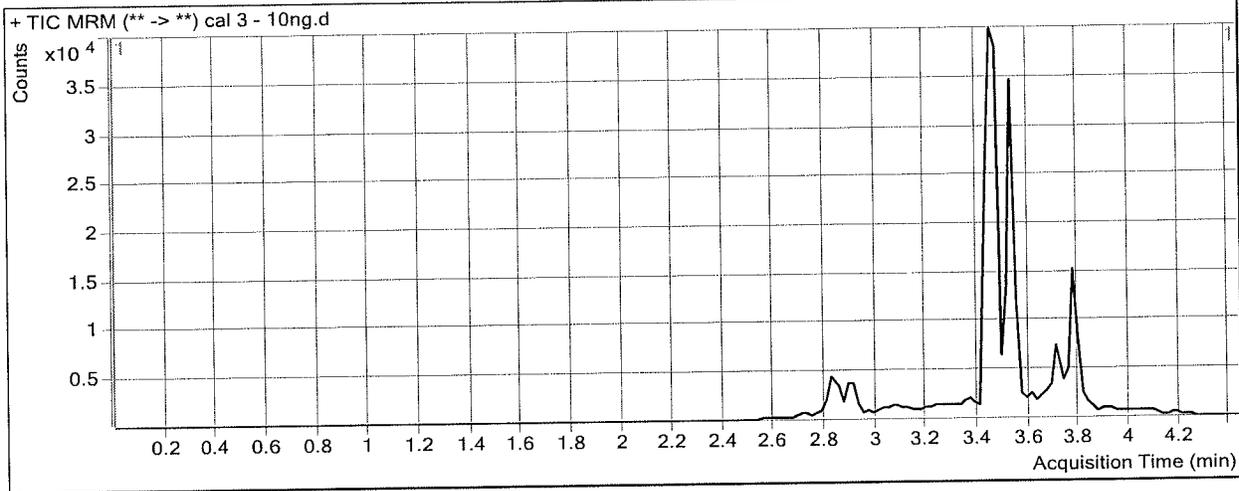
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 21:20 **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-OH	3.453	21522	107188	0.2008	14.8751
THC-COOH	3.526	14244	51845	0.2747	10.2568
THC	3.780	2320	16815	0.1380	10.4313

ISP FORENSICS - Cd'A

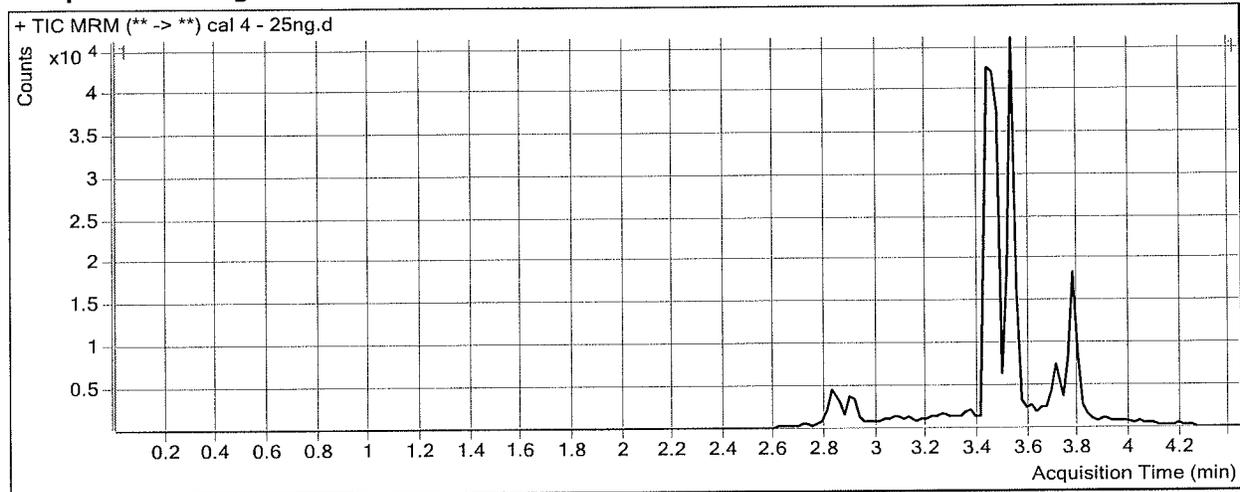
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 21:27 **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-OH	3.473	30879	112838	0.2737	21.4372
THC-COOH	3.526	32271	52107	0.6193	24.6596
THC	3.760	3928	21513	0.1826	13.8842

ISP FORENSICS - Cd'A

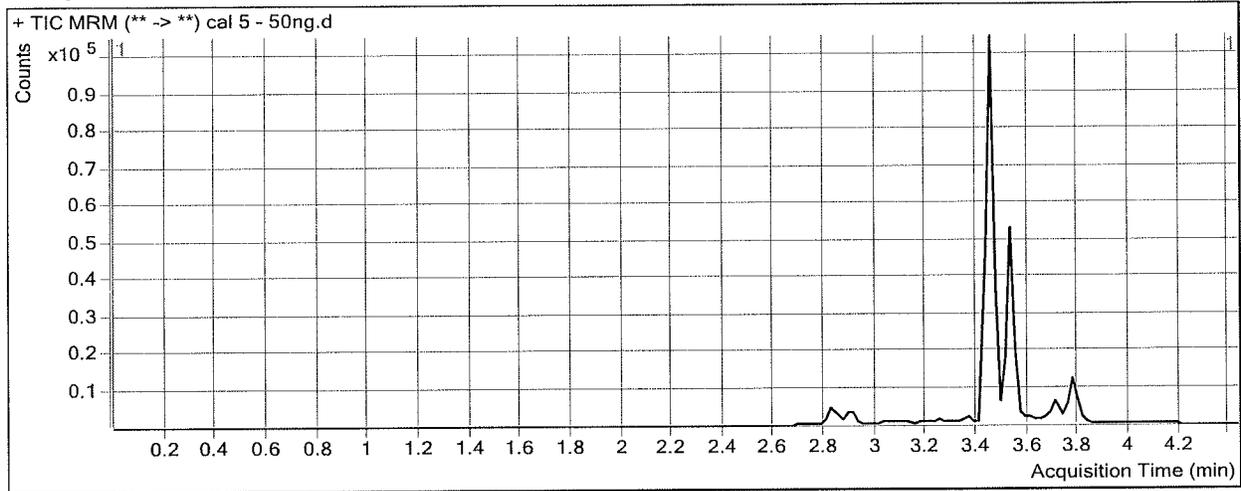
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 21:34 **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-OH	3.433	51758	169611	0.3052	24.2743
THC-COOH	3.526	47014	41213	1.1408	46.4558
THC	3.800	4369	12115	0.3606	27.6777

ISP FORENSICS - Cd'A

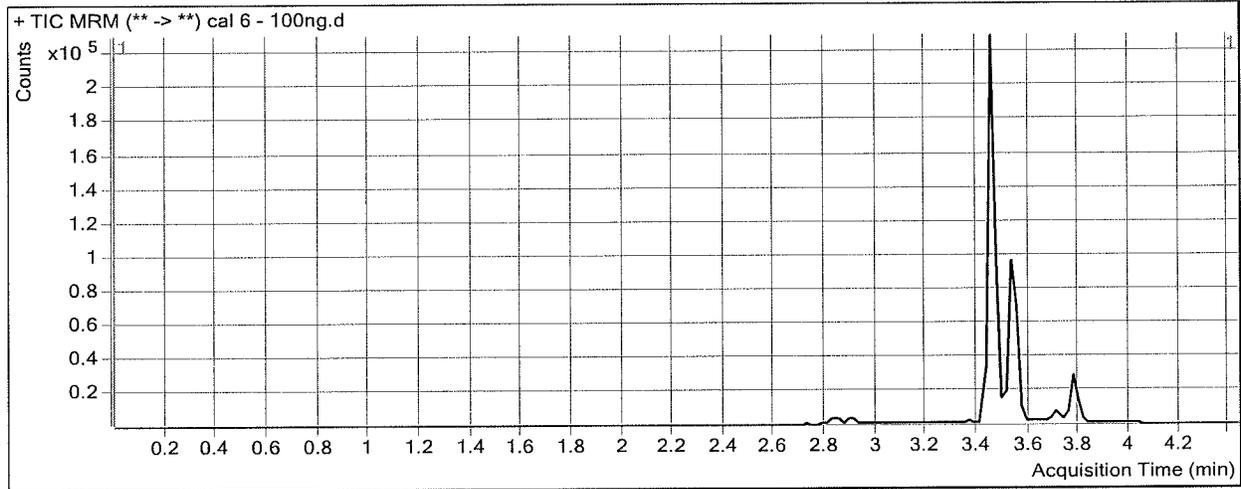
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 21:40 **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-OH	3.453	227759	196354	1.1599	101.2485
THC-COOH	3.526	137555	42233	3.2570	134.9155
THC	3.780	24835	18861	1.3168	101.7584

ISP FORENSICS - Cd'A

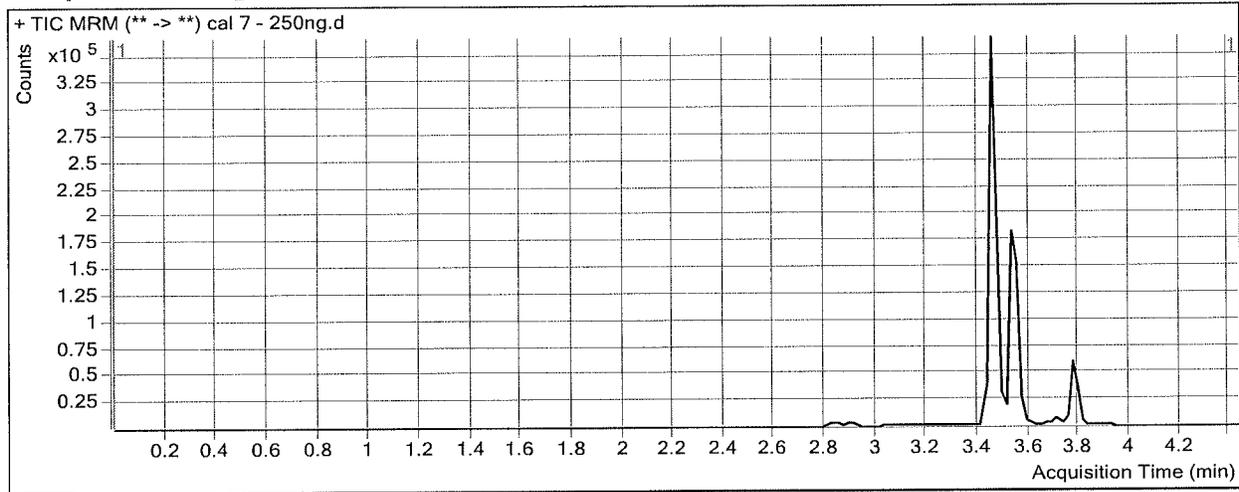
Cannabinoid Screen Report

Batch Data Path D:\2018 Data\080718 AM 25-26\QuantResults\cann screen.batch.bin
Analysis Time 8/9/2018 11:08 AM **Analyst Name** ISP Tox
Report Time 8/9/2018 1:16 PM **Reporter Name** ISP Tox
Last Calib Update 8/9/2018 11:08 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 21:47 **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-OH	3.453	514998	184466	2.7918	248.2027
THC-COOH	3.526	283760	46643	6.0837	253.0692
THC	3.780	67840	21177	3.2035	247.9402