Worklist: 1462

LAB CASE	ITEM	TASK ID	DESCRIPTION	
C2016-2451	1	73033	AM 25/AM 26 Blood MultiDrug/	
C2017-0035	2	73628	AM 25/AM 26 Blood MultiDrug/	
M2016-3502	1	73650	AM 25/AM 26 Blood MultiDrug/	
M2016-3600	1	73651	AM 25/AM 26 Blood MultiDrug/	
M2016-3842	1	73652	AM 25/AM 26 Blood MultiDrug/	
M2016-4144	1	73653	AM 25/AM 26 Blood MultiDrug/	
M2016-4381	1	73654	AM 25/AM 26 Blood MultiDrug/	
M2016-4461	1	73655	AM 25/AM 26 Blood MultiDrug/	
M2016-4462	1	73656	AM 25/AM 26 Blood MultiDrug/	
M2016-5011	1	73657	AM 25/AM 26 Blood MultiDrug/	
M2016-5090	1	73273	AM 25/AM 26 Blood MultiDrug/	
M2016-5175	1	73274	AM 25/AM 26 Blood MultiDrug/	
M2016-5193	1	73660	AM 25/AM 26 Blood MultiDrug/	
P2016-1910	1	73629	AM 25/AM 26 Blood MultiDrug/	
P2016-2020	1	73630	AM 25/AM 26 Blood MultiDrug/	
P2016-2184	1	73631	AM 25/AM 26 Blood MultiDrug/	
P2016-2194	1	73632	AM 25/AM 26 Blood MultiDrug/	
P2016-2204	1	73633	AM 25/AM 26 Blood MultiDrug/	
P2016-2205	1	73634	AM 25/AM 26 Blood MultiDrug/	
P2016-2223	1	73635	AM 25/AM 26 Blood MultiDrug/	
P2016-2233	1	73636	AM 25/AM 26 Blood MultiDrug/	
P2016-2234	1	73637	AM 25/AM 26 Blood MultiDrug/	
P2016-2311	1	73638	AM 25/AM 26 Blood MultiDrug/	

Worklist: 1462

LAB CASE	ITEM	TASK_ID	DESCRIPTION	
P2016-2320	1	73639	AM 25/AM 26 Blood MultiDrug/	
P2016-2327	1	73640	AM 25/AM 26 Blood MultiDrug/	
P2016-2338	1	73641	AM 25/AM 26 Blood MultiDrug/	
P2016-2345	1	73642	AM 25/AM 26 Blood MultiDrug/	
P2016-2362	1	73643	AM 25/AM 26 Blood MultiDrug/	
P2016-2384	1	73644	AM 25/AM 26 Blood MultiDrug/	
P2016-2411	2	73645	AM 25/AM 26 Blood MultiDrug/	
P2016-2649	1	73646	AM 25/AM 26 Blood MultiDrug/	
P2016-2650	1	73647	AM 25/AM 26 Blood MultiDrug/	
P2016-2729	1	73648	AM 25/AM 26 Blood MultiDrug/	
P2016-2789	1	73649	AM 25/AM 26 Blood MultiDrug/	

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

Extraction Date: 1/6/17   **Analyst:** BAW

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: 2017 Data\1-6-17 MD and THC Screen

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.

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

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

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

✓ 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: 1-6-17 P1 MD Screen

✓ 2. Make any necessary integration changes.   1-6-17 P2 MD Screen

✓ 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: ✓ LIMS Worklist: ✓ Method Checklist   ✓ Calibration and Control Reports

COMMENTS:

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Compound Method			p1 negative / p1 negative Results			Qualifier 1 M...	Qualifi...	ISTD Method			ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	1/6/2017 11:11 PM	4.953	57	40.97	328.2 -> 211...	0.62	6-MAM-D6	334.2 -> 165...	4.972	48231
7-aminoclonazepam	286.1 -> 121...	1/6/2017 11:11 PM	5.887	68		286.1 -> 222...	24.31	7-Aminoclonazepam-D4	290.1 -> 121...	5.585	97095
Acetyl Fentanyl	323.2 -> 105...	1/6/2017 11:11 PM	5.250	82	2.32	323.2 -> 188...	0.65	Acetyl Fentanyl-D5	328.2 -> 105...	5.825	11524...
Acetyl Norfentanyl	219.1 -> 84.2...	1/6/2017 11:11 PM		54	0.57	219.1 -> 56.3...		Acetyl Norfentanyl-D5	224.2 -> 84.2...	4.926	448167
a-hydroxyalprazolam	325.1 -> 297...	1/6/2017 11:11 PM	6.375	117	0.82	325.1 -> 262...		a-hydroxyalprazolam-D5	330.1 -> 302...	6.455	38625
alpha-PVP	232.2 -> 91.0...	1/6/2017 11:11 PM	5.432		0.16	232.2 -> 77.1...		alpha-PVP-d8	240.2 -> 91.1...	5.593	542864
Alprazolam	309.1 -> 281...	1/6/2017 11:11 PM	6.379	1646	33.80	309.1 -> 205...	0.83	Alprazolam-D5	314.1 -> 286...	6.540	228663
Amphetamine	136.1 -> 91.1...	1/6/2017 11:11 PM	5.030	27304	4.99	136.1 -> 119...	1.19	Amphetamine-D11	147.2 -> 130...	4.848	138056
Bupropion	240.1 -> 184...	1/6/2017 11:11 PM	6.104	63	0.46	240.1 -> 131...		Ketamine-D4	242.1 -> 129...	5.471	328554
Carisoprodol	261.2 -> 176...	1/6/2017 11:11 PM	6.224	1693	0.74	261.2 -> 55.3...		Carisoprodol-D7	268.2 -> 183...	6.183	440949
Citalopram	325.2 -> 109...	1/6/2017 11:11 PM	6.212	226	0.43	325.2 -> 262...	1.93	Citalopram-D6	331.2 -> 109...	6.109	770107
Clonazepam	316.1 -> 269...	1/6/2017 11:11 PM	6.540	436	5.43	316.1 -> 213...		Clonazepam-D4	320.1 -> 217...	6.397	23897
Codeine	300.2 -> 215...	1/6/2017 11:11 PM	5.099	32	0.79	300.2 -> 165...	0.51	Codeine-D6	306.2 -> 218...	4.854	37863
Cyclobenzaprine	276.2 -> 214...	1/6/2017 11:11 PM	6.364	82	0.49	276.2 -> 231...		Cyclobenzapine-D3	279.2 -> 215...	6.384	575279
Dextromethorphan	272.2 -> 171...	1/6/2017 11:11 PM	6.141	367	0.78	272.2 -> 147...	0.60	Dextromethorphan-D3	275.2 -> 171...	6.141	268290
Dextrorphan	258.2 -> 157...	1/6/2017 11:11 PM	5.489			258.2 -> 133...		Dextrorphan-D3	261.2 -> 157...	5.489	263887
Diazepam	285.1 -> 193...	1/6/2017 11:11 PM	6.809	153	0.20	285.1 -> 153...	1.12	Diazepam-D5	290.1 -> 198...	6.768	209232
Dihydrocodeine	302.2 -> 199...	1/6/2017 11:11 PM	4.996	21	0.26	302.2 -> 128...	0.45	Dihydrocodeine-D6	308.2 -> 202...	4.793	134633
Diphenhydramine	256.2 -> 167...	1/6/2017 11:11 PM	6.327	516	0.49	256.2 -> 152...		Diphenhydramine-D3	259.2 -> 167...	6.082	12001...
Doxylamine	271.2 -> 182...	1/6/2017 11:11 PM	5.754	12910	3.12	271.2 -> 167...	2.25	Doxylamine-D5	276.2 -> 187...	5.753	16863...
EDDP	279.2 -> 235...	1/6/2017 11:11 PM	6.139	451	1.14	279.2 -> 250...	15.49	EDDP-D3	282.2 -> 235...	6.118	84444
Fentanyl	337.2 -> 105...	1/6/2017 11:11 PM	6.048	282	1.50	337.2 -> 188...		Fentanyl-D5	342.3 -> 105...	6.047	10507...
Fluoxetine	310.1 -> 44.3...	1/6/2017 11:11 PM	6.297	517	1.09	310.1 -> 148...	0.47	Fluoxetine-D6	316.2 -> 44.3...	6.337	12337...
Hydrocodone	300.2 -> 199...	1/6/2017 11:11 PM	5.119	413	1.90	300.2 -> 128...	0.56	Hydrocodone-D6	306.2 -> 202...	5.076	206598
Hydromorphone	286.2 -> 185...	1/6/2017 11:11 PM	4.332	23	1.09	286.2 -> 157...	0.40	Hydromorphone-D6	292.2 -> 185...	4.495	82105
Ketamine	238.1 -> 125...	1/6/2017 11:11 PM	5.533	976	0.48	238.1 -> 220...		Ketamine-D4	242.1 -> 129...	5.471	328554
Meprobamate	219.1 -> 158...	1/6/2017 11:11 PM	5.963	4791	0.68	219.1 -> 97.1...	0.65	Meprobamate-D7	226.2 -> 165...	5.677	105413
Methadone	310.2 -> 265...	1/6/2017 11:11 PM	6.541	1780	0.69	310.2 -> 105...	0.65	Methadone-D9	319.3 -> 268...	6.418	11097...
Methamphetamine	150.1 -> 91.1...	1/6/2017 11:11 PM	5.049	33412	1.24	150.1 -> 119...	3.21	Methamphetamine-D11	161.2 -> 97.1...	5.008	454277
Morphine	286.2 -> 201...	1/6/2017 11:11 PM	4.312	159	0.93	286.2 -> 165...	1.52	Morphine-D6	292.2 -> 152...	4.250	27960
Naloxone	328.2 -> 309...	1/6/2017 11:11 PM	4.852	338	0.66	328.2 -> 253...		Naloxone-D3	347.2 -> 329...	4.951	306921
Naltrexol	344.2 -> 326...	1/6/2017 11:11 PM	4.931	3777	19.91	344.2 -> 308...		Naltrexol-D3	347.2 -> 329...	4.951	306921
Naltrexone	342.2 -> 324...	1/6/2017 11:11 PM	4.589	28	0.68	342.2 -> 55.3...	1.24	Naltrexol-D3	347.2 -> 329...	4.951	306921
Norbuprenorphine	414.3 -> 101...	1/6/2017 11:11 PM	5.903	86	11.93	414.3 -> 57.3...	0.26	Norbuprenorphine-D3	417.3 -> 101...	5.862	53612
Nordiazepam	271.1 -> 140...	1/6/2017 11:11 PM	6.508	51	0.29	271.1 -> 208...	1.21	Nordiazepam-D5	276.1 -> 140...	6.629	10659
Norfentanyl	233.2 -> 84.2...	1/6/2017 11:11 PM			13.13	233.2 -> 55.3...	1.34	Norfentanyl-D5	238.2 -> 84.2...	5.390	689532
Norhydrocodone	286.2 -> 199...	1/6/2017 11:11 PM	4.940	1045	2.02	286.2 -> 171...		Norhydrocodone-D3	289.2 -> 202...	5.000	74823
Noroxycodone	302.1 -> 284...	1/6/2017 11:11 PM	4.936	685	1.29	302.1 -> 186...		Noroxycodone-D3	305.2 -> 287...	4.935	116969
O-desmethyl-tramadol	250.2 -> 58.3...	1/6/2017 11:11 PM	4.965			250.2 -> 42.3...	2.63	O-desmethyl-tramadol-...	256.2 -> 64.3...	4.964	770024
Oxazepam	287.1 -> 240...	1/6/2017 11:11 PM		438	0.84	287.1 -> 268...	0.82	Oxazepam-D5	292.1 -> 246...	6.463	62468
Oxycodone	316.2 -> 298...	1/6/2017 11:11 PM	4.914		0.82	316.2 -> 241...		Oxycodone-D6	322.2 -> 304...	4.974	256046
Oxymorphone	302.1 -> 284...	1/6/2017 11:11 PM			0.36	302.1 -> 227...		Oxymorphone-D3	305.2 -> 287...	4.325	206758
Phentermine	150.1 -> 65.2...	1/6/2017 11:11 PM	5.029	9182	1.56	150.1 -> 133...	0.36	Phentermine-D5	155.2 -> 96.2...	5.170	404004
Promethazine	285.1 -> 86.2...	1/6/2017 11:11 PM	6.362	174	0.81	285.1 -> 71.3...		Promethazine-D3	288.2 -> 89.2...	6.361	18906...
Quetiapine	384.2 -> 253...	1/6/2017 11:11 PM	6.229	121	0.61	384.2 -> 221...	0.99	Quetiapine-D8	392.2 -> 226...	6.331	359212

| Compound Method | | | p1 negative | | p1 negative Results | | Qualifier 1 M... | | Qualifi... | ISTD Method | | | ISTD Results |
Name	Transition	Acq. Date-Time	RT	Resp.		S/N	Transition	S/N	Name		Transition	RT	Resp.
Sertraline	306.1 -> 158...	1/6/2017 11:11 PM	6.624	158	0.58	306.1 -> 275...	5.45		Sertraline-D3		309.1 -> 275...	6.583	367817
Sufentanil	387.2 -> 238...	1/6/2017 11:11 PM	6.331	937	4.84	387.2 -> 111...	1.15		Sufentanil-D5		392.2 -> 238...	6.311	732098
Temazepam	301.1 -> 255...	1/6/2017 11:11 PM	6.442	355	0.54	301.1 -> 283...	1.30		Temazepam-D5		306.1 -> 260...	6.604	399058
Tramadol	264.2 -> 58.3	1/6/2017 11:11 PM	5.488	6320	1.91	264.2 -> 43.3	0.72		Tramadol-13C-D3		268.2 -> 58.3	5.488	10425.
Trazodone	372.2 -> 176...	1/6/2017 11:11 PM	6.353	3801	2.64	372.2 -> 148...	363.88		Sufentanil-D5		392.2 -> 238...	6.311	732098
Venlafaxine	278.2 -> 58.3	1/6/2017 11:11 PM	6.018	17676	6.25	278.2 -> 260...	1.01		Venlafaxine-D6		284.2 -> 64.3	5.854	942317
Zolpidem	308.2 -> 235...	1/6/2017 11:11 PM	5.932	331	0.78	308.2 -> 263...			Zolpidem-D6		314.2 -> 235...	6.072	876282

Compound Method		p2 negative		p2 negative Results			Qualifier 1 M...	Qualifi...	ISTD Method			ISTD Results
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135.	1/6/2017 11:20 PM	P2-...	5.822	1597	8.63	284.1 -> 93.2	2.13	7-aminoflunitrazepam-D7	291.2 -> 138.	5.780	213008
alpha-hydroxymidazolam	342.1 -> 324.	1/6/2017 11:20 PM	P2-...	6.729	44	0.92	342.1 -> 203.		alpha-hydroxymidazolam-...	346.1 -> 328.	6.507	339696
Amitriptyline	278.2 -> 91.2	1/6/2017 11:20 PM	P2-...	6.598	1786	4.08	278.2 -> 105.	780.90	Amitriptyline-D3	281.2 -> 91.2	6.455	444098
Amoxapine	314.1 -> 271...	1/6/2017 11:20 PM	P2-...	6.551	497	114.69	314.1 -> 193.	9.75	Amitriptyline-D3	281.2 -> 91.2	6.455	444098
Benzoylecgonine	290.1 -> 168.	1/6/2017 11:20 PM	P2-...	5.431	55	2.33	290.1 -> 105.	6.78	Benzoylecgonine-D8	298.2 -> 171.	5.390	5657
Carbamazepine	237.1 -> 193.	1/6/2017 11:20 PM	P2-...	6.054	62	0.74	237.1 -> 194.	0.58	Carbamazepine-13C6	243.1 -> 200.	6.196	13459.
Chlordiazepoxide	300.1 -> 227.	1/6/2017 11:20 PM	P2-...	6.472	237	1.76	300.1 -> 282.		Chlordiazepoxide-D5	305.1 -> 286.	6.654	251437
Clomipramine	315.2 -> 86.2	1/6/2017 11:20 PM	P2-...	6.672	143	1.06	315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.652	15536...
Cocaine	304.2 -> 182.	1/6/2017 11:20 PM	P2-...	5.656	562	63.02	304.2 -> 105.		Cocaine-D3	307.2 -> 185.	5.655	682947
Desipramine	267.2 -> 72.3	1/6/2017 11:20 PM	P2-...	6.416	1508	3.82	267.2 -> 44.3		Desipramine-D3	270.2 -> 75.3	6.416	11770.
Doxepin	280.2 -> 107.	1/6/2017 11:20 PM	P2-...	6.130	90	1.86	280.2 -> 77.2		Doxepin-D3	283.2 -> 107.	6.190	543604
Estazolam	295.1 -> 267.	1/6/2017 11:20 PM	P2-...	6.676	27	0.54	295.1 -> 205.	0.96	Estazolam-D5	300.1 -> 272.	6.472	302239
Flunitrazepam	314.1 -> 268...	1/6/2017 11:20 PM	P2-...	6.531	435	0.77	314.1 -> 239.	0.55	Flunitrazepam-D7	321.1 -> 245.	6.510	16679
Flurazepam	388.2 -> 315.	1/6/2017 11:20 PM	P2-...	5.997	97	0.69	388.2 -> 317.		Zopiclone-D4	393.1 -> 244.	5.997	159849
Imipramine	281.2 -> 86.2	1/6/2017 11:20 PM	P2-...	6.495	2518	6.94	281.2 -> 58.3	3.34	Imipramine-D3	284.2 -> 61.3	6.434	955492
Levamisole	205.1 -> 91.2	1/6/2017 11:20 PM	P2-...	5.142	470	0.59	205.1 -> 178.	Infinity	Cocaine-D3	307.2 -> 185.	5.655	682947
Maprotiline	278.2 -> 91.2	1/6/2017 11:20 PM	P2-...	6.273	2557	3.81	278.2 -> 117.	1.31	Meperidine-D4	252.2 -> 224.	5.663	325124
MDA	180.1 -> 163.	1/6/2017 11:20 PM	P2-...	5.084	69	0.50	180.1 -> 105.	3.71	MDA-D5	185.1 -> 168.	5.043	267819
MDEA	208.1 -> 163.	1/6/2017 11:20 PM	P2-...				208.1 -> 105.		MDEA-D6	214.2 -> 166.	5.302	632776
MDMA	194.1 -> 163.	1/6/2017 11:20 PM	P2-...	5.143	404	1.88	194.1 -> 105.	0.48	MDMA-D6	200.2 -> 166.	5.163	55430
Meperidine	248.2 -> 220.	1/6/2017 11:20 PM	P2-...	5.705	102	0.64	248.2 -> 174.	0.56	Meperidine-D4	252.2 -> 224.	5.663	325124
Methylphenidate	234.2 -> 84.2	1/6/2017 11:20 PM	P2-...	5.523	63	0.61	234.2 -> 56.3	0.99	Meperidine-D4	252.2 -> 224.	5.663	325124
Metoprolol	268.2 -> 116.	1/6/2017 11:20 PM	P2-...	5.516	30	0.20	268.2 -> 56.3		Meperidine-D4	252.2 -> 224.	5.663	325124
Midazolam	326.1 -> 223.	1/6/2017 11:20 PM	P2-...	6.509	26	0.45	326.1 -> 249.	0.34	Midazolam-D4	330.1 -> 295.	6.630	419068
Mirtazapine	266.2 -> 195...	1/6/2017 11:20 PM	P2-...	**5.557**	22	0.33	266.2 -> 72.3	0.12	Midazolam-D4	330.1 -> 295.	6.630	419068
Mitragynine	399.2 -> 174...	1/6/2017 11:20 PM	P2-...				399.2 -> 238.		Carbamazepine-13C6	243.1 -> 200.	6.196	13459.
Normeperidine	234.1 -> 42.3	1/6/2017 11:20 PM	P2-...	5.605	198	1.46	234.1 -> 160.		Normeperidine-D4	238.2 -> 164.	5.665	325538
Norpropoxyphene	326.2 -> 44.3	1/6/2017 11:20 PM	P2-...	6.346	147	1.34	326.2 -> 252.	0.35	Norpropoxyphene-D5	331.2 -> 44.3	6.264	140092
Nortriptyline	264.2 -> 91.2	1/6/2017 11:20 PM	P2-...	6.458	387	0.06	264.2 -> 233.	0.35	Nortriptyline-D3	267.2 -> 233.	6.437	505813
Ondansetron	294.2 -> 184...	1/6/2017 11:20 PM	P2-...	**6.738**	116	1.24	294.2 -> 212.	1.15	Pentazocine-13C3	289.2 -> 72.3	5.740	394595
Pentazocine	286.2 -> 218...	1/6/2017 11:20 PM	P2-...	5.741	150	38.46	286.2 -> 41.3	0.53	Pentazocine-13C3	289.2 -> 72.3	5.740	394595
Phenazepam	349.0 -> 206...	1/6/2017 11:20 PM	P2-...	6.486	1601	8.65	349.0 -> 183.	1.43	Phenazepam-D4	353.0 -> 183.	6.566	14338
Phencyclidine	244.2 -> 86.2	1/6/2017 11:20 PM	P2-...	5.992	410	1.25	244.2 -> 91.1	1.10	Phencyclidine-D5	249.2 -> 86.2	5.950	831113
Phenytoin	253.1 -> 104...	1/6/2017 11:20 PM	P2-...				253.1 -> 182.		Phenytoin-D10	263.2 -> 192.	6.113	17073
Prazepam	325.1 -> 271...	1/6/2017 11:20 PM	P2-...	6.935	71	0.48	325.1 -> 140.		Prazepam-D5	330.1 -> 276.	7.014	869650
Primidone	219.1 -> 91.2	1/6/2017 11:20 PM	P2-...				219.1 -> 162.		Prazepam-D5	330.1 -> 276.	7.014	869650
Propoxyphene	340.2 -> 58.3	1/6/2017 11:20 PM	P2-...	6.263	108	1.63	340.2 -> 266.	0.49	Propoxyphene-D11	351.3 -> 277.	6.282	261477
Protriptyline	264.2 -> 155...	1/6/2017 11:20 PM	P2-...	6.397	61	1.66	264.2 -> 161.	0.91	Nortriptyline-D3	267.2 -> 233.	6.437	505813
Pseudoephedrine	166.1 -> 148...	1/6/2017 11:20 PM	P2-...	4.682	771	0.55	166.1 -> 133.	0.85	Pseudoephedrine-D3	169.1 -> 151.	4.701	495281
Tapentadol	222.2 -> 107...	1/6/2017 11:20 PM	P2-...				222.2 -> 121.		Tapentadol-D3	225.2 -> 107.	5.524	856230
Trimipramine	295.2 -> 100...	1/6/2017 11:20 PM	P2-...	6.179	146	0.77	295.2 -> 58.3		Trimipramine-D3	298.2 -> 103.	6.493	17831.
Verapamil	455.3 -> 165...	1/6/2017 11:20 PM	P2-...				455.3 -> 150.		Trimipramine-D3	298.2 -> 103.	6.493	17831.
Zaleplon	306.1 -> 236...	1/6/2017 11:20 PM	P2-...	6.471	55	0.57	306.1 -> 264.		Zaleplon-D4	310.2 -> 240.	6.308	214565
Zopiclone	389.1 -> 244...	1/6/2017 11:20 PM	P2-...	5.916	102	0.51	389.1 -> 216.		Zopiclone-D4	393.1 -> 244.	5.997	159849

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier Transition	Qualifier S/N	ISTD Name	ISTD Transition	ISTD RT	ISTD Resp
6-MAM	328.2 -> 165...	1/6/2017 10:32 PM	P2-A1	4.993	1317	18.30	328.2 -> 211...	10.43	6-MAM-D6	334.2 -> 165...	4.972	48018
7-aminoclonazepam	286.1 -> 121...	1/6/2017 10:32 PM	P2-A1	5.607	23798	91.95	286.1 -> 222...	229.92	7-Aminoclonazepam-D4	290.1 -> 121...	5.585	95016
Acetyl Fentanyl	323.2 -> 105...	1/6/2017 10:32 PM	P2-A1	5.847	21938	23.12	323.2 -> 188...	38.99	Acetyl Fentanyl-D5	328.2 -> 105...	5.825	10869...
Acetyl Norfentanyl	219.1 -> 84.2	1/6/2017 10:32 PM	P2-A1	4.946	10231	169.77	219.1 -> 56.3	22.74	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.926	462972
a-hydroxyalprazolam	325.1 -> 297...	1/6/2017 10:32 PM	P2-A1	6.456	6838	19.52	325.1 -> 215...	12.28	a-hydroxyalprazolam-D5	330.1 -> 302...	6.455	37710
alpha-PVP	232.2 -> 91.0	1/6/2017 10:32 PM	P2-A1	5.594	129037	57.27	232.2 -> 77.1	32.07	alpha-PVP-d8	240.2 -> 91.1	5.593	530440
Alprazolam	309.1 -> 281...	1/6/2017 10:32 PM	P2-A1	6.541	59906	108.82	309.1 -> 205...	130.54	Alprazolam-D5	314.1 -> 286...	6.540	239905
Amphetamine	136.1 -> 91.1	1/6/2017 10:32 PM	P2-A1	4.889	120894	Infinity	136.1 -> 119...	29.44	Amphetamine-D11	147.2 -> 130...	4.848	142316
Buspropion	240.1 -> 184...	1/6/2017 10:32 PM	P2-A1	5.798	129508	2073.10	240.1 -> 131...	46.61	Ketamine-D4	242.1 -> 129...	5.471	343933
Carisoprodol	261.2 -> 176...	1/6/2017 10:32 PM	P2-A1	6.184	90766	8.55	261.2 -> 55.3	9.18	Carisoprodol-D7	268.2 -> 183...	6.183	443518
Citalopram	325.2 -> 109...	1/6/2017 10:32 PM	P2-A1	6.110	179788	272.18	325.2 -> 262...	163.78	Citalopram-D6	331.2 -> 109...	6.109	791133
Clonazepam	316.1 -> 269...	1/6/2017 10:32 PM	P2-A1	6.418	15304	117.62	316.1 -> 213...	17.87	Clonazepam-D4	320.1 -> 217...	6.397	23649
Codeine	300.2 -> 215...	1/6/2017 10:32 PM	P2-A1	4.857	11261	55.69	300.2 -> 165...	13.50	Codeine-D6	306.2 -> 218...	4.854	41053
Cyclobenzaprine	276.2 -> 214...	1/6/2017 10:32 PM	P2-A1	6.385	119616	645.91	276.2 -> 231...	82.36	Cyclobenzaprine-D3	279.2 -> 215...	6.384	559336
Dextromethorphan	272.2 -> 171...	1/6/2017 10:32 PM	P2-A1	6.141	52233	201.12	272.2 -> 147...	104.44	Dextromethorphan-D3	275.2 -> 171...	6.141	249724
Dextrorphan	258.2 -> 157...	1/6/2017 10:32 PM	P2-A1	5.489	47486	132.56	258.2 -> 133...	85.44	Dextrorphan-D3	261.2 -> 157...	5.468	261120
Diazepam	285.1 -> 193...	1/6/2017 10:32 PM	P2-A1	6.769	47184	18.08	285.1 -> 153...	26.30	Diazepam-D5	290.1 -> 198...	6.768	197595
Dihydrocodeine	302.2 -> 198...	1/6/2017 10:32 PM	P2-A1	4.815	25158	650.73	302.2 -> 128...	106.87	Dihydrocodeine-D6	308.2 -> 202...	4.793	131954
Diphenhydramine	256.2 -> 167...	1/6/2017 10:32 PM	P2-A1	6.083	299676	118.17	256.2 -> 152...	264.61	Diphenhydramine-D3	259.2 -> 167...	6.082	15992
Doxylamine	271.2 -> 182...	1/6/2017 10:32 PM	P2-A1	5.754		41.47	271.2 -> 167...	68.45	Doxylamine-D5	276.2 -> 187...	5.753	11851...
EDDP	279.2 -> 235...	1/6/2017 10:32 PM	P2-A1	6.119	218839	909.77	279.2 -> 250...	9502...	EDDP-D3	282.2 -> 235...	6.118	90811
Fentanyl	337.2 -> 105...	1/6/2017 10:32 PM	P2-A1	6.048	22967	28.41	337.2 -> 188...	2516...	Fentanyl-D5	342.3 -> 105...	6.047	10486...
Fluoxetine	310.1 -> 44.3	1/6/2017 10:32 PM	P2-A1	6.358	281600	644.64	310.1 -> 148...	34.06	Fluoxetine-D6	316.2 -> 44.3	6.337	1918..
Hydrocodone	300.2 -> 198...	1/6/2017 10:32 PM	P2-A1	5.099	36863	Infinity	300.2 -> 128...	16.91	Hydrocodone-D6	306.2 -> 202...	5.076	202339
Hydromorphone	286.2 -> 184...	1/6/2017 10:32 PM	P2-A1	4.517	23763	Infinity	286.2 -> 157...	15.83	Hydromorphone-D6	292.2 -> 185...	4.495	87355
Morphine	286.2 -> 201...	1/6/2017 10:32 PM	P2-A1	4.273	7200	42.95	286.2 -> 165...	75.39	Morphine-D6	292.2 -> 152...	4.250	10065
Methamphetamine	150.1 -> 91.1	1/6/2017 10:32 PM	P2-A1	5.049	169186	22.16	150.1 -> 119...	Infinity	Methamphetamine-D11	161.2 -> 97.1	5.008	438822
Methadone	310.2 -> 265...	1/6/2017 10:32 PM	P2-A1	6.419	198947	75.08	310.2 -> 105...	69.16	Methadone-D9	319.3 -> 268...	6.418	11089..
Meprobamate	219.1 -> 158...	1/6/2017 10:32 PM	P2-A1	5.678	37355	Infinity	219.1 -> 97.1	Infinity	Meprobamate-D7	226.2 -> 165...	5.677	102138
Ketamine	238.1 -> 125...	1/6/2017 10:32 PM	P2-A1	5.472	84802	65.49	238.1 -> 220...	16.80	Ketamine-D4	242.1 -> 129...	5.471	343933
Norbuprenorphine	414.3 -> 101...	1/6/2017 10:32 PM	P2-A1	5.883	5795	21.23	414.3 -> 57.3	28.55	Norbuprenorphine-D3	417.3 -> 101...	5.883	27092
Nordiazepam	271.1 -> 140...	1/6/2017 10:32 PM	P2-A1	6.651	18184	25.29	271.1 -> 208...	Infinity	Nordiazepam-D5	276.1 -> 140...	6.629	49594
Norfentanyl	233.2 -> 84.2	1/6/2017 10:32 PM	P2-A1	5.411	161224	Infinity	233.2 -> 55.3	23.22	Norfentanyl-D5	238.2 -> 84.2	5.000	699299
Northydrocodone	286.2 -> 199...	1/6/2017 10:32 PM	P2-A1	5.020	3656	10.06	286.2 -> 171...	42.04	Northydrocodone-D3	289.2 -> 202...	5.390	76967
Noroxycodone	302.1 -> 284...	1/6/2017 10:32 PM	P2-A1	4.957	27189	23.89	302.1 -> 186...	48.48	Noroxycodone-D3	305.2 -> 287...	4.935	120104
O-desmethyl-tramadol	250.2 -> 58.3	1/6/2017 10:32 PM	P2-A1	4.985	173996	132.00	250.2 -> 42.3	10.62	O-desmethyl-tramadol-...	256.2 -> 64.3	4.964	777179
Oxazepam	287.1 -> 240...	1/6/2017 10:32 PM	P2-A1	6.463	12458	3670.69	287.1 -> 268...	Infinity	Oxazepam-D5	292.1 -> 246...	6.463	58870
Oxycodone	316.2 -> 298...	1/6/2017 10:32 PM	P2-A1	4.995	51162	51.86	316.2 -> 241...	23.14	Oxycodone-D6	322.2 -> 304...	4.974	250724
Oxymorphone	302.1 -> 284...	1/6/2017 10:32 PM	P2-A1	4.327	44141	22.35	302.1 -> 227...	16.86	Oxymorphone-D3	305.2 -> 287...	4.325	211320
Phentermine	150.1 -> 65.2	1/6/2017 10:32 PM	P2-A1	5.211		Infinity	150.1 -> 133...	1.53	Phentermine-D5	155.2 -> 96.2	5.170	406965
Promethazine	285.1 -> 86.2	1/6/2017 10:32 PM	P2-A1	6.362		1955.80	285.1 -> 71.3	173.34	Promethazine-D3	288.2 -> 89.2	6.361	19003..
Quetiapine	384.2 -> 253...	1/6/2017 10:32 PM	P2-A1	6.352	261414	120.35	384.2 -> 221...	Infinity	Quetiapine-D8	392.2 -> 226...	6.331	339760

Compound Method			p1 cal 1a		p1 cal 1a Results		Qualifier 1 M...	Qualifi...	ISTD Method			ISTD Results
Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
Sertraline	306.1 -> 158...	1/6/2017 10:32 PM	P2-A1	6.584	89620	228.83	306.1 -> 275...	507.96	Sertraline-D3	309.1 -> 275...	6.583	373500
Sufentanil	387.2 -> 238...	1/6/2017 10:32 PM	P2-A1	6.331	18480	113.96	387.2 -> 111...	51.18	Sufentanil-D5	392.2 -> 238...	6.311	710684
Temazepam	301.1 -> 255...	1/6/2017 10:32 PM	P2-A1	6.605	74548	71.88	301.1 -> 283...	11.91	Temazepam-D5	306.1 -> 260...	6.604	391698
Tramadol	264.2 -> 58.3	1/6/2017 10:32 PM	P2-A1	5.508	235855	Infinity	264.2 -> 43.3	5.47	Tramadol-13C-D3	268.2 -> 58.3	5.488	10398..
Trazodone	372.2 -> 176...	1/6/2017 10:32 PM	P2-A1	6.332	205544	3077.68	372.2 -> 148...	388.26	Sufentanil-D5	392.2 -> 238...	6.311	710684
Venlafaxine	278.2 -> 58.3	1/6/2017 10:32 PM	P2-A1	5.855	210231	167.33	278.2 -> 260...	87.75	Venlafaxine-D6	284.2 -> 64.3	5.854	942766
Zolpidem	308.2 -> 235...	1/6/2017 10:32 PM	P2-A1	6.094	179943	213.91	308.2 -> 263...	Infinity	Zolpidem-D6	314.2 -> 235...	6.072	919224

Name (Compound Method)	Transition	Acq. Date-Time (p2 cal 1b)	Pos.	RT	Resp.	S/N	Transition (Qualifier 1 M...)	S/N (Qualifier...)	Name (ISTD Method)	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	1/6/2017 10:42 PM	P2-A1	5.782	48730	394.74	284.1 -> 93.2	105.03	7-aminoflunitrazepam-D7	291.1 -> 138...	5.760	226611
alpha-hydroxymidazolam	342.1 -> 324...	1/6/2017 10:42 PM	P2-A1	6.527	69883	117.76	342.1 -> 203...	Infinity	alpha-hydroxymidazolam-...	346.1 -> 328...	6.507	34311
Amitriptyline	278.2 -> 91.2	1/6/2017 10:42 PM	P2-A1	6.456	217326	Infinity	278.2 -> 105...	Infinity	Amitriptyline-D3	281.2 -> 91.2	6.455	44260
Amoxapine	314.1 -> 271...	1/6/2017 10:42 PM	P2-A1	6.429	55076	117.12	314.1 -> 193...	7791.41	Amitriptyline-D3	281.2 -> 91.2	6.455	44260
Benzoylecgonine	290.1 -> 168...	1/6/2017 10:42 PM	P2-A1	5.411	18186	9175.64	290.1 -> 105...	71.41	Benzoylecgonine-D8	298.2 -> 171...	5.370	590
Carbamazepine	237.1 -> 193...	1/6/2017 10:42 PM	P2-A1	6.196	30215	93.21	237.1 -> 194...	Infinity	Carbamazepine-13C6	243.1 -> 200...	6.196	126049
Chlordiazepoxide	300.1 -> 227...	1/6/2017 10:42 PM	P2-A1	6.655	32140	100.81	300.1 -> 282...	14.77	Chlordiazepoxide-D5	305.1 -> 286...	6.654	27481
Clomipramine	315.2 -> 86.2	1/6/2017 10:42 PM	P2-A1	6.652	324445	Infinity	315.2 -> 58.3	Infinity	Clomipramine-D3	318.2 -> 89.2	6.652	160649
Cocaine	304.2 -> 182...	1/6/2017 10:42 PM	P2-A1	5.656	180304	Infinity	304.2 -> 105...	Infinity	Cocaine-D3	307.2 -> 185...	5.655	69961
Desipramine	267.2 -> 72.3	1/6/2017 10:42 PM	P2-A1	6.416	251898	55.21	267.2 -> 44.3	Infinity	Desipramine-D3	270.2 -> 75.3	6.396	120017
Doxepin	280.2 -> 107...	1/6/2017 10:42 PM	P2-A1	6.190	108470	33.03	280.2 -> 77.2	Infinity	Doxepin-D3	283.2 -> 107...	6.190	55058
Estazolam	295.1 -> 267...	1/6/2017 10:42 PM	P2-A1	6.474	62090	254.69	295.1 -> 205...	439.19	Estazolam-D5	300.1 -> 272...	6.472	28217
Flunitrazepam	314.1 -> 268...	1/6/2017 10:42 PM	P2-A1	6.511	61374	Infinity	314.1 -> 239...	104.95	Flunitrazepam-D7	321.1 -> 245...	6.510	1657
Flurazepam	388.2 -> 315...	1/6/2017 10:42 PM	P2-A1	6.160	137804	410.45	388.2 -> 317...	59.34	Zopiclone-D4	393.1 -> 244...	5.976	14854
Imipramine	281.2 -> 86.2	1/6/2017 10:42 PM	P2-A1	6.435	359249	88.94	281.2 -> 58.3	141.21	Imipramine-D3	284.2 -> 61.3	6.434	96447
Levamisole	205.1 -> 91.2	1/6/2017 10:42 PM	P2-A1	5.040	54199	Infinity	205.1 -> 178...	247.02	Cocaine-D3	307.2 -> 185...	5.655	69961
Maprotiline	278.2 -> 91.2	1/6/2017 10:42 PM	P2-A1	6.456	217326	33.03	278.2 -> 117...	Infinity	Meperidine-D4	252.2 -> 224...	5.663	30983
MDA	180.1 -> 163...	1/6/2017 10:42 PM	P2-A1	5.043	49864	612.95	180.1 -> 105...	73.06	MDA-D5	185.1 -> 168...	5.043	27651
MDEA	208.1 -> 163...	1/6/2017 10:42 PM	P2-A1	5.322	125172	Infinity	208.1 -> 105...	Infinity	MDEA-D6	214.2 -> 166...	5.302	64643
MDMA	194.1 -> 163...	1/6/2017 10:42 PM	P2-A1	5.163	101292	Infinity	194.1 -> 105...	Infinity	MDMA-D6	200.2 -> 166...	5.163	5589
Meperidine	248.2 -> 220...	1/6/2017 10:42 PM	P2-A1	5.664	62613	Infinity	248.2 -> 174...	327.93	Meperidine-D4	252.2 -> 224...	5.663	30983
Methylphenidate	234.2 -> 84.2	1/6/2017 10:42 PM	P2-A1	5.584	263613	Infinity	234.2 -> 56.3	Infinity	Meperidine-D4	252.2 -> 224...	5.663	30983
Metoprolol	268.2 -> 116...	1/6/2017 10:42 PM	P2-A1	5.495	30066	Infinity	268.2 -> 56.3	Infinity	Meperidine-D4	252.2 -> 224...	5.663	30983
Midazolam	326.1 -> 223...	1/6/2017 10:42 PM	P2-A1	6.631	25435	168.14	326.1 -> 249...	5416.62	Midazolam-D4	330.1 -> 295...	6.630	41837
Mirtazapine	266.2 -> 195...	1/6/2017 10:42 PM	P2-A1	5.846	168366	308.31	266.2 -> 72.3	112.31	Midazolam-D4	330.1 -> 295...	6.630	41837
Mitragynine	399.2 -> 174...	1/6/2017 10:42 PM	P2-A1	6.159	62227	8808.03	399.2 -> 238...	66.67	Carbamazepine-13C6	243.1 -> 200...	6.196	126049
Normeperidine	234.1 -> 42.3	1/6/2017 10:42 PM	P2-A1	5.667	73980	Infinity	234.1 -> 160...	117755...	Normeperidine-D4	238.2 -> 164...	5.665	333474
Norpropoxyphene	326.2 -> 44.3	1/6/2017 10:42 PM	P2-A1	6.284	33197	952.18	326.2 -> 252...	3464.26	Norpropoxyphene-D5	331.2 -> 44.3	6.284	14341
Nortriptyline	264.2 -> 91.2	1/6/2017 10:42 PM	P2-A1	6.357	363711	746.73	264.2 -> 233...	947.42	Nortriptyline-D3	267.2 -> 233...	6.437	50156
Ondansetron	294.2 -> 184...	1/6/2017 10:42 PM	P2-A1	5.841	80814	183.95	294.2 -> 212...	413.74	Pentazocine-13C3	289.2 -> 72.3	5.720	41393
Pentazocine	286.2 -> 218...	1/6/2017 10:42 PM	P2-A1	5.720	119505	585.60	286.2 -> 41.3	195.58	Pentazocine-13C3	289.2 -> 72.3	5.720	41393
Phenazepam	349.0 -> 206...	1/6/2017 10:42 PM	P2-A1	6.567	42994	143.59	349.0 -> 183...	125.15	Phenazepam-D4	353.0 -> 183...	6.566	1429
Phencyclidine	244.2 -> 86.2	1/6/2017 10:42 PM	P2-A1	5.951	182257	74.28	244.2 -> 91.1	Infinity	Phencyclidine-D5	249.2 -> 86.2	5.950	85363
Phenytoin	253.1 -> 104...	1/6/2017 10:42 PM	P2-A1	6.134	2666	5.89	253.1 -> 182...	13.06	Phenytoin-D10	263.2 -> 192...	6.093	1614
Prazepam	325.1 -> 271...	1/6/2017 10:42 PM	P2-A1	7.016	190976	992.95	325.1 -> 140...	200.49	Prazepam-D5	330.1 -> 276...	6.994	84963
Primidone	219.1 -> 91.2	1/6/2017 10:42 PM	P2-A1	5.485	9145	Infinity	219.1 -> 162...	129.03	Prazepam-D5	330.1 -> 276...	6.994	84963
Propoxyphene	340.2 -> 58.3	1/6/2017 10:42 PM	P2-A1	6.283	213659	937.47	340.2 -> 266...	199.74	Propoxyphene-D11	351.3 -> 277...	6.282	26242
Protriptyline *peak shape odd*	264.2 -> 155...	1/6/2017 10:42 PM	P2-A1	6.357	674798	89195.67	264.2 -> 161...	0.67	Nortriptyline-D3	267.2 -> 233...	6.437	50156
Pseudoephedrine	166.1 -> 148...	1/6/2017 10:42 PM	P2-A1	4.682	11107...	651.04	166.1 -> 133...	137.00	Pseudoephedrine-D3	169.1 -> 151...	4.681	51882
Tapentadol	222.2 -> 107...	1/6/2017 10:42 PM	P2-A1	5.524	175529	556.32	222.2 -> 121...	Infinity	Tapentadol-D3	225.2 -> 107...	5.524	85583
Trimipramine	295.2 -> 100...	1/6/2017 10:42 PM	P2-A1	6.493	394765	1473.92	295.2 -> 58.3	367.05	Trimipramine-D3	298.2 -> 103...	6.493	179587
Verapamil	455.3 -> 165...	1/6/2017 10:42 PM	P2-A1	6.240	185402	1047.47	455.3 -> 150...	9300.78	Trimipramine-D3	298.2 -> 103...	6.493	179587
Zaleplon	306.1 -> 236...	1/6/2017 10:42 PM	P2-A1	6.308	56484	177.15	306.1 -> 264...	86.59	Zaleplon-D4	310.2 -> 240...	6.287	21472
Zopiclone	389.1 -> 244...	1/6/2017 10:42 PM	P2-A1	5.997	30883	6359.08	389.1 -> 216...	370.62	Zopiclone-D4	393.1 -> 244...	5.976	14854

Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier Transition	Qualifier S/N	ISTD Name	ISTD Transition	ISTD RT	ISTD Resp.
6-MAM	328.2 -> 165...	1/6/2017 10:51 PM	4.953	44	1.19	328.2 -> 211...	2.11	6-MAM-D6	334.2 -> 165...	4.972	41835
7-aminoclonazepam	286.1 -> 121...	1/6/2017 10:51 PM	5.385	19	0.33	286.1 -> 222...	1.21	7-Aminoclonazepam-D4	290.1 -> 121...	5.585	86286
Acetyl Fentanyl	323.2 -> 105...	1/6/2017 10:51 PM	5.827	92	0.36	323.2 -> 188...		Acetyl Fentanyl-D5	328.2 -> 105...	5.825	858877
Acetyl Norfentanyl	219.1 -> 84.2	1/6/2017 10:51 PM	4.987	33	1.30	219.1 -> 56.3	0.48	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.926	402002
a-hydroxyalprazolam	325.1 -> 297...	1/6/2017 10:51 PM	6.740	144	0.91	325.1 -> 215...		a-hydroxyalprazolam-D5	330.1 -> 302...	6.455	31873
alpha-PVP	232.2 -> 91.0	1/6/2017 10:51 PM	5.655	537	0.74	232.2 -> 77.1	0.63	alpha-PVP-d8	240.2 -> 91.1	5.593	429545
Alprazolam	309.1 -> 281...	1/6/2017 10:51 PM	6.379	1327	22.36	309.1 -> 205...	0.83	Alprazolam-D5	314.1 -> 286...	6.540	183774
Amphetamine	136.1 -> 91.1	1/6/2017 10:51 PM	5.030	28436	Infinity	136.1 -> 119...	1.82	Amphetamine-D11	147.2 -> 130...	4.848	122333
Bupropion	240.1 -> 184...	1/6/2017 10:51 PM	5.961	196	0.48	240.1 -> 131...	0.36	Ketamine-D4	242.1 -> 129...	5.450	291972
Carisoprodol	261.2 -> 176...	1/6/2017 10:51 PM	6.163	2830	0.61	261.2 -> 55.3	1.26	Carisoprodol-D7	268.2 -> 183...	6.183	354492
Citalopram	325.2 -> 109...	1/6/2017 10:51 PM				325.2 -> 262...		Citalopram-D6	331.2 -> 109...	6.109	549777
Clonazepam	316.1 -> 269...	1/6/2017 10:51 PM	6.378	43	0.21	316.1 -> 213...		Clonazepam-D4	320.1 -> 217...	6.397	20422
Codeine	300.2 -> 215...	1/6/2017 10:51 PM	5.078	10643	14.31	300.2 -> 165...	35.94	Codeine-D6	306.2 -> 218...	4.854	34443
Cyclobenzaprine	276.2 -> 214...	1/6/2017 10:51 PM	6.385	120	0.47	276.2 -> 231...	0.91	Cyclobenzaprine-D3	279.2 -> 215...	6.384	400998
Dextromethorphan	272.2 -> 171...	1/6/2017 10:51 PM	6.141	416766	268.18	272.2 -> 147...	1496...	Dextromethorphan-D3	275.2 -> 171...	6.141	197299
Dextrorphan	258.2 -> 157...	1/6/2017 10:51 PM				258.2 -> 133...		Dextrorphan-D3	261.2 -> 157...	5.468	204209
Diazepam	285.1 -> 193...	1/6/2017 10:51 PM	6.911	271	0.74	285.1 -> 153...	0.55	Diazepam-D5	290.1 -> 198...	6.768	157939
Dihydrocodeine	302.2 -> 198...	1/6/2017 10:51 PM	4.815	429	3.48	302.2 -> 128...	2.11	Dihydrocodeine-D6	308.2 -> 202...	4.793	112945
Diphenhydramine	256.2 -> 167...	1/6/2017 10:51 PM	6.062	455	0.54	256.2 -> 152...	0.23	Diphenhydramine-D3	259.2 -> 167...	6.082	12730
Doxylamine	271.2 -> 182...	1/6/2017 10:51 PM	5.754	24408..	465.46	271.2 -> 167...	145.08	Doxylamine-D5	276.2 -> 187...	5.733	983487
EDDP	279.2 -> 235...	1/6/2017 10:51 PM	6.200	86	1.23	279.2 -> 250...	2.38	EDDP-D3	282.2 -> 235...	6.118	57354
Fentanyl	337.2 -> 105...	1/6/2017 10:51 PM	6.475	126	0.78	337.2 -> 188...		Fentanyl-D5	342.3 -> 105...	6.047	763425
Fluoxetine	310.1 -> 44.3	1/6/2017 10:51 PM	6.338	779	0.81	310.1 -> 148...	0.82	Fluoxetine-D6	316.2 -> 44.3	6.337	801989
Hydrocodone	300.2 -> 198...	1/6/2017 10:51 PM	5.099	323127	101.65	300.2 -> 128...	100.65	Hydrocodone-D6	306.2 -> 202...	5.076	171283
Hydromorphone	286.2 -> 184...	1/6/2017 10:51 PM	4.273	31091	670.25	286.2 -> 157...	22.77	Hydromorphone-D6	292.2 -> 185...	4.495	72155
Ketamine	238.1 -> 125...	1/6/2017 10:51 PM	5.860	960	0.37	238.1 -> 220...	0.74	Ketamine-D4	242.1 -> 129...	5.450	291972
Meprobamate	219.1 -> 158...	1/6/2017 10:51 PM				219.1 -> 97.1		Meprobamate-D7	226.2 -> 165...	5.677	91254
Methadone	310.2 -> 265...	1/6/2017 10:51 PM	6.399	1022	1.00	310.2 -> 105...	0.72	Methadone-D9	319.3 -> 268...	6.398	787220
Methamphetamine	150.1 -> 91.1	1/6/2017 10:51 PM	5.049	39728	3.41	150.1 -> 119...	1025...	Methamphetamine-D11	161.2 -> 97.1	5.008	377856
Morphine	286.2 -> 201...	1/6/2017 10:51 PM	4.273	53840	716.49	286.2 -> 165...	0.55	Morphine-D6	292.2 -> 152...	4.250	8171
Naltrexone	342.2 -> 324...	1/6/2017 10:51 PM	4.952	148	1.32	342.2 -> 55.3	1.25	Naltrexol-D3	347.2 -> 329...	4.951	252694
Naloxone	328.2 -> 309...	1/6/2017 10:51 PM	4.892	764	1.01	328.2 -> 211...		Naltrexol-D3	347.2 -> 329...	4.951	252694
Naltrexol	344.2 -> 326...	1/6/2017 10:51 PM	4.911	3435	8.56	344.2 -> 308...		Naltrexone-D3	347.2 -> 329...	4.951	252694
Norbuprenorphine	414.3 -> 101...	1/6/2017 10:51 PM	5.842	105	30.97	414.3 -> 57.3	0.27	Norbuprenorphine-D3	417.3 -> 101...	5.883	20453
Nordiazepam	271.1 -> 140...	1/6/2017 10:51 PM	6.752	91	0.57	271.1 -> 208...	0.55	Nordiazepam-D5	276.1 -> 140...	6.629	42967
Norfentanyl	233.2 -> 84.2	1/6/2017 10:51 PM	5.391	29	0.65	233.2 -> 55.3	7.85	Norfentanyl-D5	238.2 -> 84.2	5.390	571098
Norhydrocodone	286.2 -> 199...	1/6/2017 10:51 PM	4.960	224	1.42	286.2 -> 171...	1.22	Norhydrocodone-D3	289.2 -> 202...	5.000	68240
Noroxycodone	302.1 -> 284...	1/6/2017 10:51 PM	5.057	1085	0.71	302.1 -> 186...	1.10	Noroxycodone-D3	305.2 -> 287...	4.935	102805
O-desmethyl-tramadol	250.2 -> 58.3	1/6/2017 10:51 PM	5.025	726	0.65	250.2 -> 42.3	0.73	O-desmethyl-tramadol-...	256.2 -> 64.3	4.964	658064
Oxazepam	287.1 -> 240...	1/6/2017 10:51 PM	6.483	180	43.86	287.1 -> 268...	0.65	Oxazepam-D5	292.1 -> 246...	6.463	46431
Oxycodone	316.2 -> 298...	1/6/2017 10:51 PM	4.914	744	1.09	316.2 -> 241...	0.73	Oxycodone-D6	322.2 -> 304...	4.974	208941
Oxymorphone	302.1 -> 284...	1/6/2017 10:51 PM	4.735	112	0.94	302.1 -> 227...	0.38	Oxymorphone-D3	305.2 -> 287...	4.325	167198
Phentermine	150.1 -> 65.2	1/6/2017 10:51 PM	5.069	9471	0.57	150.1 -> 133...	1.30	Phentermine-D5	155.2 -> 96.2	5.191	341757
Promethazine	285.1 -> 86.2	1/6/2017 10:51 PM	6.362	853	3.68	285.1 -> 71.3	1.30	Promethazine-D3	288.2 -> 89.2	6.361	12884
Quetiapine	384.2 -> 253...	1/6/2017 10:51 PM	6.332	294	1.21	384.2 -> 221...	1.29	Quetiapine-D8	392.2 -> 226...	6.331	258802

Compound Method		p1 external control a				p1 external control a Res...	Qualifier 1 M...	ISTD Method			ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
Sertraline	306.1 -> 158...	1/6/2017 10:51 PM	6.624	45	0.58	306.1 -> 275...	2.89	Sertraline-D3	309.1 -> 275...	6.583	238183
Sufentanil	387.2 -> 238...	1/6/2017 10:51 PM	6.311	811	2.32	387.2 -> 111...	3.70	Sufentanil-D5	392.2 -> 238...	6.311	470028
Temazepam	301.1 -> 255...	1/6/2017 10:51 PM	6.991	299	0.68	301.1 -> 283...	1.21	Temazepam-D5	306.1 -> 260...	6.584	297490
Tramadol	264.2 -> 58.3	1/6/2017 10:51 PM	5.488	4295	1.60	264.2 -> 43.3	0.72	Tramadol-13C-D3	268.2 -> 58.3	5.488	892493
Trazodone	372.2 -> 176.	1/6/2017 10:51 PM	6.332	16443.	Infinity	372.2 -> 148...	Infinity	Sufentanil-D5	392.2 -> 238.	6.311	470028
Venlafaxine	278.2 -> 58.3	1/6/2017 10:51 PM	6.018	19498	13.77	278.2 -> 260...	1.54	Venlafaxine-D6	284.2 -> 64.3	5.854	782166
Zolpidem	308.2 -> 235...	1/6/2017 10:51 PM	5.912	435	1.11	308.2 -> 263...	2.22	Zolpidem-D6	314.2 -> 235...	6.072	728978

Name	Transition	Acq. Date-Time	Pos.	RT	Resp.	S/N	Qualifier 1 Transition	Qualifier S/N	ISTD Name	ISTD Transition	ISTD RT	ISTD Resp.
7-aminoflunitrazepam	284.1 -> 135...	1/6/2017 11:01 PM	P2...	5.842	1675	4.84	284.1 -> 93.2	0.80	7-aminoflunitrazepam-D7	291.2 -> 138...	5.760	172058
alpha-hydroxymidazolam	342.1 -> 324...	1/6/2017 11:01 PM	P2...	6.405	97	0.37	342.1 -> 203...	0.58	alpha-hydroxymidazolam-...	346.1 -> 328...	6.507	284138
Amitriptyline	278.2 -> 91.2	1/6/2017 11:01 PM	P2...	6.531	331	1.26	278.2 -> 105...	18.99	Amitriptyline-D3	281.2 -> 91.2	6.455	293956
Amoxapine	314.1 -> 271...	1/6/2017 11:01 PM	P2...				314.1 -> 193...		Amitriptyline-D3	281.2 -> 91.2	6.455	293956
Benzoylecgonine	290.1 -> 168...	1/6/2017 11:01 PM	P2...	5.414	83	1.34	290.1 -> 105...		Benzoylecgonine-D8	298.2 -> 171...	5.390	5652
Carbamazepine	237.1 -> 193...	1/6/2017 11:01 PM	P2...	6.170	506	2.42	237.1 -> 194...	0.50	Carbamazepine-13C6	243.1 -> 200...	6.196	10596...
Chlordiazepoxide	300.1 -> 227...	1/6/2017 11:01 PM	P2...	6.451	64	0.23	300.1 -> 282...	1.19	Chlordiazepoxide-D5	305.1 -> 286...	6.654	202830
Clomipramine	315.2 -> 86.2	1/6/2017 11:01 PM	P2...	6.672			315.2 -> 58.3	0.60	Clomipramine-D3	318.2 -> 89.2	6.652	979973
Cocaine	304.2 -> 182...	1/6/2017 11:01 PM	P2...				304.2 -> 105...		Cocaine-D3	307.2 -> 185...	5.655	578429
Desipramine	267.2 -> 72.3	1/6/2017 11:01 PM	P2...	6.376	2898	5.12	267.2 -> 44.3	11.36	Desipramine-D3	270.2 -> 75.3	6.396	8274...
Doxepin	280.2 -> 107...	1/6/2017 11:01 PM	P2...	6.190	43	0.34	280.2 -> 77.2		Doxepin-D3	283.2 -> 107...	6.190	390021
Estazolam	295.1 -> 267...	1/6/2017 11:01 PM	P2...	6.491	313	0.53	295.1 -> 205...		Estazolam-D5	300.1 -> 272...	6.451	229730
Flunitrazepam	314.1 -> 268...	1/6/2017 11:01 PM	P2...	6.160	372	0.93	314.1 -> 239...		Flunitrazepam-D7	321.1 -> 245...	6.490	13687
Flurazepam	388.2 -> 315...	1/6/2017 11:01 PM	P2...				388.2 -> 317...		Zopiclone-D7	393.1 -> 244...	5.997	150515
Imipramine	281.2 -> 86.2	1/6/2017 11:01 PM	P2...	6.495	2898	16.34	281.2 -> 58.3		Imipramine-D3	284.2 -> 61.3	6.434	678887
Levamisole	205.1 -> 91.2	1/6/2017 11:01 PM	P2...				205.1 -> 178...		Cocaine-D3	307.2 -> 185...	5.655	578429
Maprotiline	278.2 -> 91.2	1/6/2017 11:01 PM	P2...				278.2 -> 117...		Meperidine-D4	252.2 -> 224...	5.663	259079
MDA	180.1 -> 163...	1/6/2017 11:01 PM	P2...				180.1 -> 105...		MDA-D5	185.1 -> 168...	5.043	2284455
MDEA	208.1 -> 163...	1/6/2017 11:01 PM	P2...	5.322	73	0.36	208.1 -> 105...		MDEA-D6	214.2 -> 166...	5.302	514841
MDMA	194.1 -> 163...	1/6/2017 11:01 PM	P2...	5.163	299	0.47	194.1 -> 105...		MDMA-D6	200.2 -> 166...	5.163	46442
Meperidine	248.2 -> 220...	1/6/2017 11:01 PM	P2...	5.664	524241	1099.22	248.2 -> 174...	4816...	Meperidine-D4	252.2 -> 224...	5.663	259079
Methylphenidate	234.2 -> 84.2	1/6/2017 11:01 PM	P2...				234.2 -> 56.3		Meperidine-D4	252.2 -> 224...	5.663	259079
Metoprolol	268.2 -> 116...	1/6/2017 11:01 PM	P2...	5.414	37	0.89	268.2 -> 56.3	2.94	Meperidine-D4	252.2 -> 224...	5.663	259079
Midazolam	326.1 -> 223...	1/6/2017 11:01 PM	P2...	6.468	106	0.97	326.1 -> 249...	0.44	Midazolam-D4	330.1 -> 295...	6.630	316447
Mirtazapine	266.2 -> 195...	1/6/2017 11:01 PM	P2...	5.825	161	0.75	266.2 -> 72.3	0.37	Midazolam-D4	330.1 -> 295...	6.630	316447
Mitragynine	399.2 -> 174...	1/6/2017 11:01 PM	P2...				399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	6.196	10596...
Normeperidine	234.1 -> 42.3	1/6/2017 11:01 PM	P2...	5.687	1048	67.10	234.1 -> 160...	3.22	Normeperidine-D4	238.2 -> 164...	5.665	260809
Norpropoxyphene	326.2 -> 44.3	1/6/2017 11:01 PM	P2...	6.142	11	0.26	326.2 -> 252...	0.53	Norpropoxyphene-D5	331.2 -> 44.3	6.284	1028834
Nortriptyline	264.2 -> 91.2	1/6/2017 11:01 PM	P2...	6.438	656	0.60	264.2 -> 233...	85.68	Nortriptyline-D3	267.2 -> 233...	6.437	332130
Ondansetron	294.2 -> 184...	1/6/2017 11:01 PM	P2...	5.964	57	0.42	294.2 -> 212...		Pentazocine-13C3	289.2 -> 72.3	5.720	288572
Pentazocine	286.2 -> 218...	1/6/2017 11:01 PM	P2...				286.2 -> 41.3		Pentazocine-13C3	289.2 -> 72.3	5.720	288572
Phenazepam	349.0 -> 206...	1/6/2017 11:01 PM	P2...	6.486	1961	13.61	349.0 -> 183...		Phenazepam-D4	353.0 -> 183...	6.566	10568
Phencyclidine	244.2 -> 86.2	1/6/2017 11:01 PM	P2...	5.951	181	0.66	244.2 -> 91.1	0.62	Phencyclidine-D5	249.2 -> 86.2	5.950	640192
Phenytoin	253.1 -> 104...	1/6/2017 11:01 PM	P2...	6.093	194	86.92	253.1 -> 182...		Phenytoin-D10	263.2 -> 192...	6.093	11765
Prazepam	325.1 -> 271...	1/6/2017 11:01 PM	P2...	7.016	116	0.80	325.1 -> 140...		Prazepam-D5	330.1 -> 276...	6.994	611752
Primidone	219.1 -> 91.2	1/6/2017 11:01 PM	P2...	5.607	451	0.97	219.1 -> 162...		Prazepam-D5	330.1 -> 276...	6.994	611752
Propoxyphene	340.2 -> 58.3	1/6/2017 11:01 PM	P2...	6.405	71	0.41	340.2 -> 266...		Propoxyphene-D11	351.3 -> 277...	6.282	186118
Protriptyline	264.2 -> 155...	1/6/2017 11:01 PM	P2...	6.357	114	2.16	264.2 -> 161...	1.07	Nortriptyline-D3	267.2 -> 233...	6.437	332130
Pseudoephedrine	166.1 -> 148...	1/6/2017 11:01 PM	P2...	4.682	1793	0.94	166.1 -> 133...	0.52	Pseudoephedrine-D3	169.1 -> 151...	4.681	440149
Tapentadol	222.2 -> 107...	1/6/2017 11:01 PM	P2...				222.2 -> 121...		Tapentadol-D3	225.2 -> 107...	5.524	7200045
Trimipramine	295.2 -> 100...	1/6/2017 11:01 PM	P2...	6.615	86	1.19	295.2 -> 58.3		Trimipramine-D3	298.2 -> 103...	6.493	12320...
Verapamil	455.3 -> 165...	1/6/2017 11:01 PM	P2...	6.158	154	0.97	455.3 -> 150...	0.24	Trimipramine-D3	298.2 -> 103...	6.493	12320...
Zaleplon	306.1 -> 236...	1/6/2017 11:01 PM	P2...	6.308	133	49.76	306.1 -> 264...		Zaleplon-D4	310.2 -> 240...	6.287	175522
Zopiclone	389.1 -> 244...	1/6/2017 11:01 PM	P2...	6.200	80	1.13	389.1 -> 216...		Zopiclone-D4	393.1 -> 244...	5.997	150515

ISP Forensic Services: Toxicology Discipline
THC and Metabolites Screen in Blood by LC-MS/MS
Extraction Date: 1|6|17   **Analyst:** BALO

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**
  - **0.1% Formic Acid in water**
  - Mobile Phase B: *0.1% FA in MeOH*
  - **MTBE**
  - Blank/Negative Blood: **Lot 321632-1**
  - **Hexane**
  - *Column: Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um)*
- ✓ 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: 2017 Data\1-6-17 HD and THC Screen

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: 1-6-17 THC Screen *cannabinoids* BW
- ✓ 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\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bir

|			
Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:56	**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
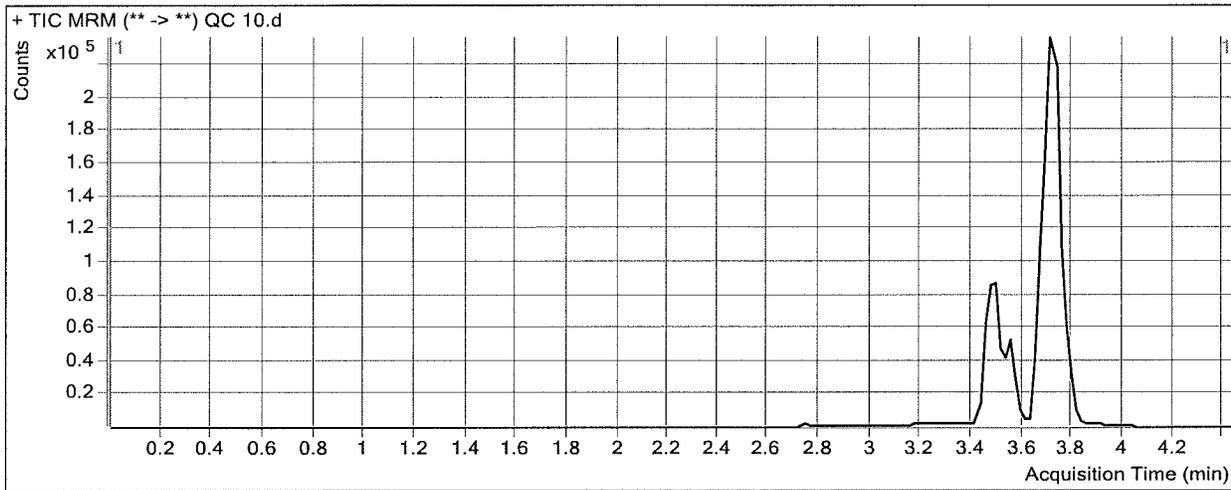
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	27053	309395	0.0874	10.0846
THC-COOH	3.546	21605	108635	0.1989	10.6711
THC	3.760	3557	38659	0.0920	9.7843

ISP FORENSICS - Cd'A
Cannabionoid Screen Report

|	
Batch Data Path	D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii
Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:42	**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
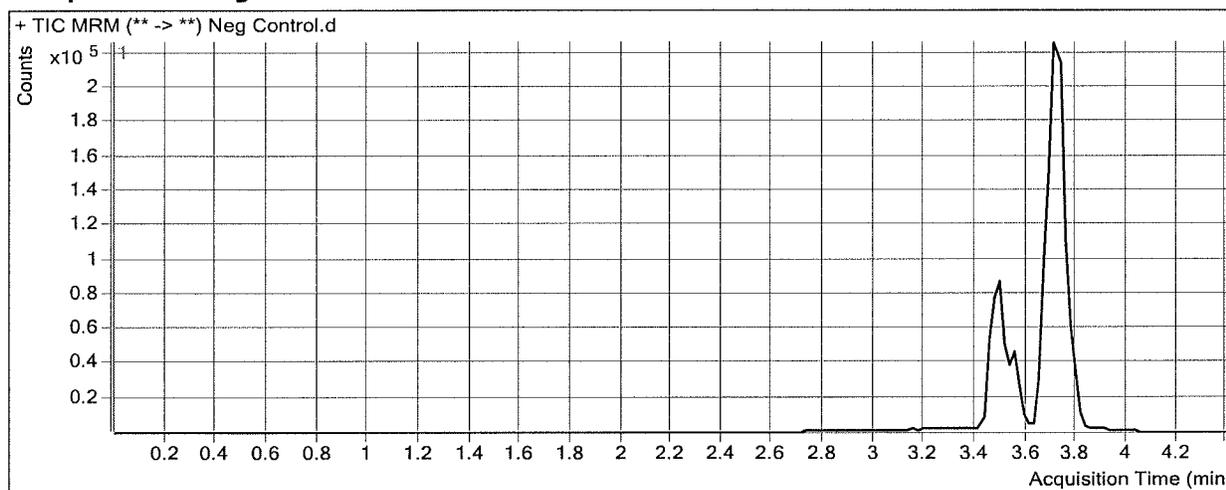
Sample Chromatogram

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bin

Last Calib Update   1/6/2017 10:58 PM   **Analyst Name**   ISP TOX

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

THC-OH - 6 Levels, 4 Levels Used, 6 Points, 4 Points Used, 1 QCs

Calibration curve plot. Relative Responses vs Concentration (ng/ml).
y = 0.009128 * x - 0.004612
R^2 = 0.99885653
Type:Linear, Origin:Ignore, Weight:1/x
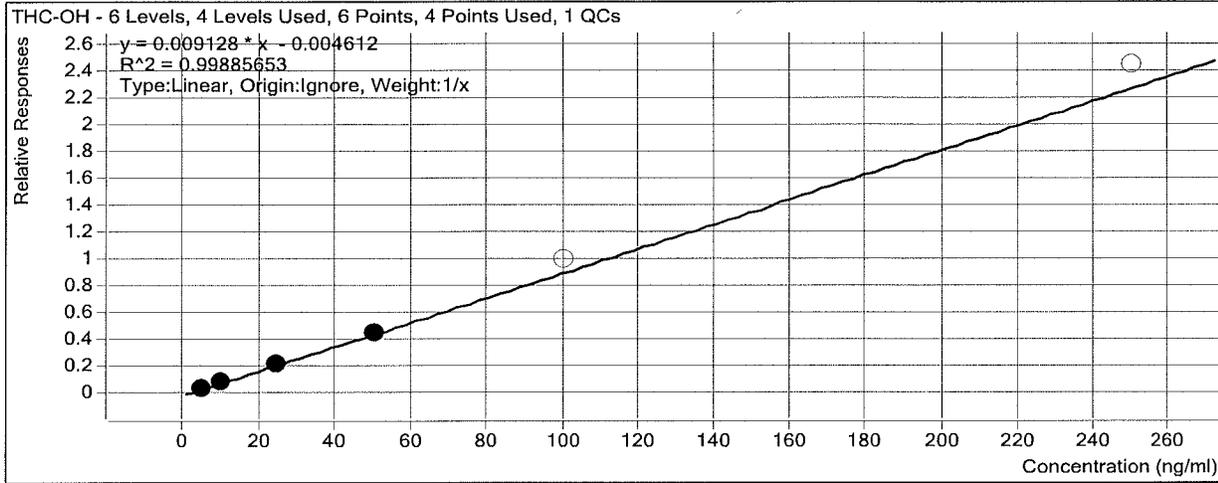
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	☑	5	5.3	105.1
cal 3	3	☑	10	9.5	95.4
QC 10	3	☑	10	10.1	100.8
cal 4	4	☑	25	24.5	98.2
cal 5	5	☑	50	50.7	101.3
cal 6	6	☐	100	109.9	109.9
cal 7	7	☐	250	268.0	107.2

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS
SCREEN.batch.bin

Last Calib Update   1/6/2017 10:58 PM   **Analyst Name**   ISP TOX

Target Compound   *THC-COOH*
Internal Standard   *THC-COOH-d9*

THC-COOH - 6 Levels, 4 Levels Used, 6 Points, 4 Points Used, 1 QCs

y = 0.017297 * x + 0.014301
R^2 = 0.99721479
Type:Linear, Origin:Ignore, Weight:1/x
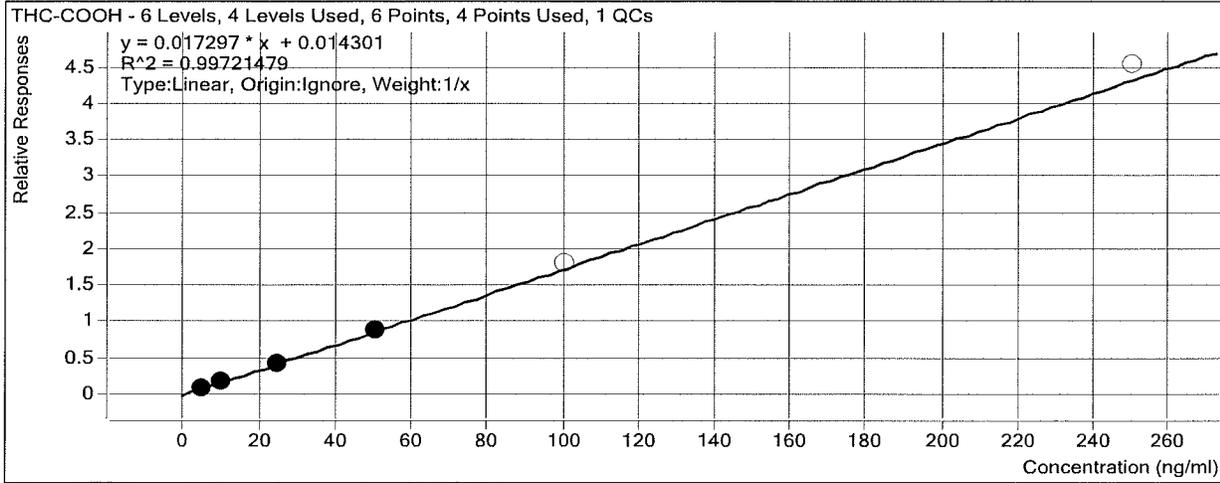
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	☑	5	5.1	101.7
cal 3	3	☑	10	10.2	101.8
QC 10	3	☑	10	10.7	106.7
cal 4	4	☑	25	23.5	94.0
cal 5	5	☑	50	51.2	102.5
cal 6	6	☐	100	103.1	103.1
cal 7	7	☐	250	261.3	104.5

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bin

Last Calib Update 1/6/2017 10:58 PM **Analyst Name** ISP TOX

Target Compound *THC*

Internal Standard *THC-d3*

THC - 6 Levels, 4 Levels Used, 6 Points, 4 Points Used, 1 QCs

$y = 0.009681 * x - 0.002705$

$R^2 = 0.99835886$

Type:Linear, Origin:Ignore, Weight:1/x
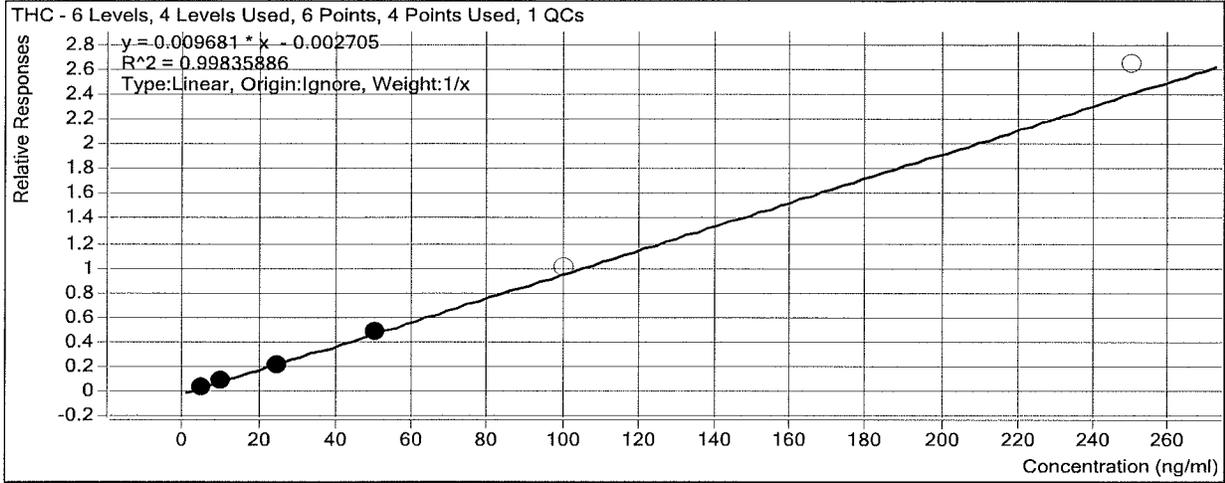
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	☑	5	5.1	102.2
cal 3	3	☑	10	10.0	100.4
QC 10	3	☑	10	9.8	97.8
cal 4	4	☑	25	23.9	95.4
cal 5	5	☑	50	51.0	102.0
cal 6	6	☐	100	104.8	104.8
cal 7	7	☐	250	273.2	109.3

ISP FORENSICS - Cd'A
Cannabionoid Screen Report

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii

Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:09	**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

+ TIC MRM (** -> **) cal 2.d
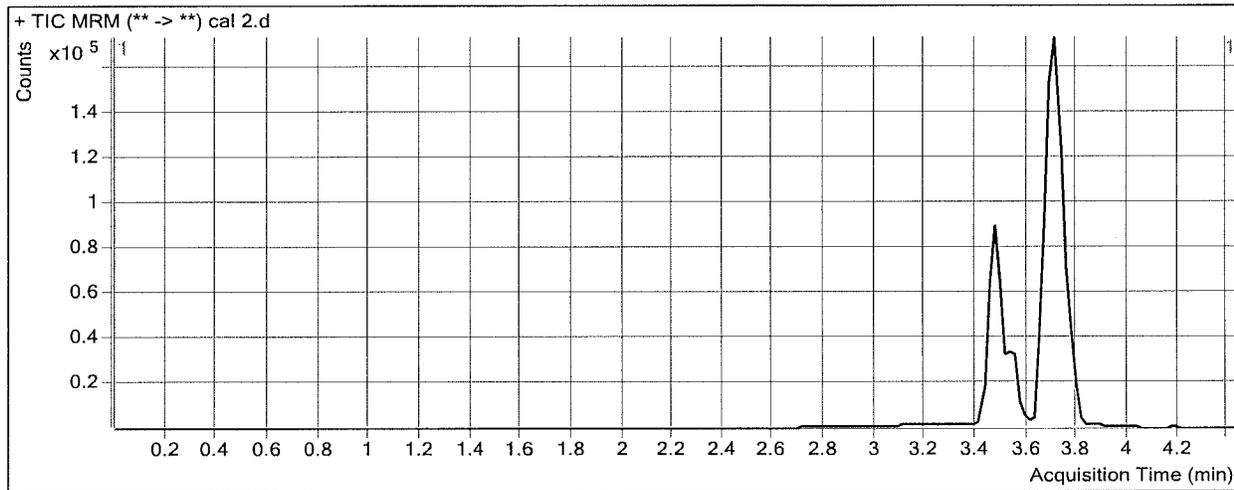
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	12597	290418	0.0434	5.2572
THC-COOH	3.546	8360	81734	0.1023	5.0868
THC	3.760	1258	26913	0.0467	5.1081

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii

Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:16	**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
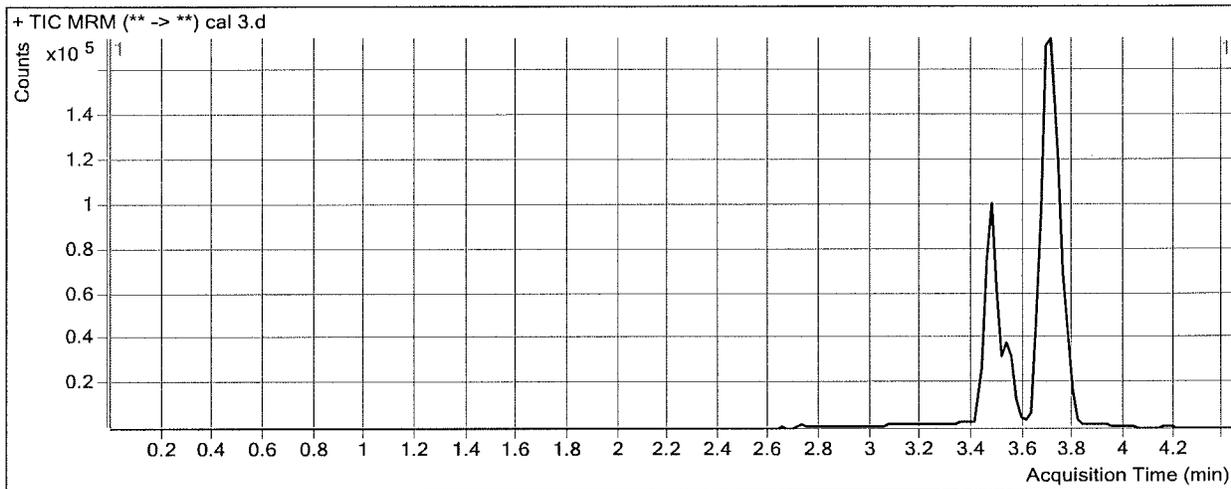
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	24591	298301	0.0824	9.5367
THC-COOH	3.546	15502	81406	0.1904	10.1827
THC	3.760	2941	31116	0.0945	10.0435

ISP FORENSICS - Cd'A
Cannabionoid Screen Report

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii
Analysis Time   1/6/2017 10:58 PM   **Analyst Name**   ISP Tox
Report Time   1/6/2017 11:00 PM   **Reporter Name**   ISP Tox
Last Calib Update   1/6/2017 10:58 PM   **Batch State**   Processed

Analysis Info

Acq Time	2017-01-06 17:23	**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

+ TIC MRM (** -> **) cal 4.d
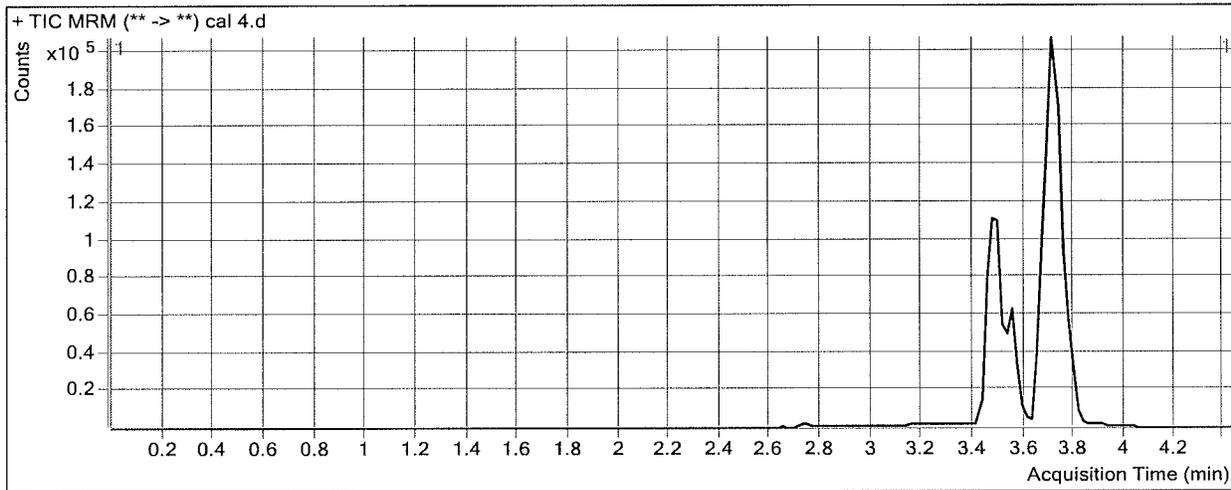
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	76489	348684	0.2194	24.5382
THC-COOH	3.546	42682	101488	0.4206	23.4876
THC	3.780	8030	35185	0.2282	23.8536

Batch Data Path	D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii		
Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:29	**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

+ TIC MRM (** -> **) cal 5.d
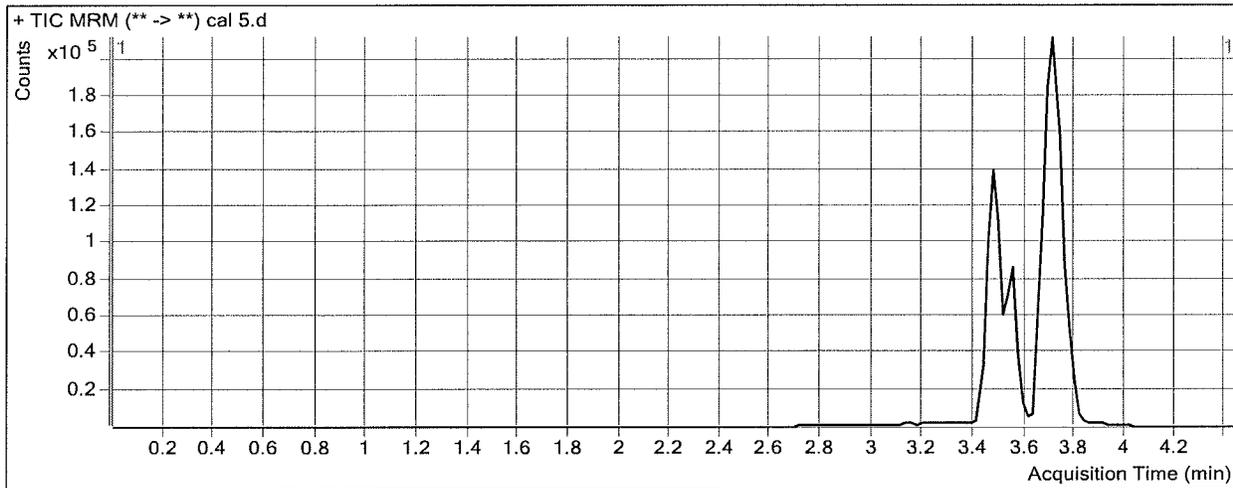
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	154630	337714	0.4579	50.6679
THC-COOH	3.546	93366	103667	0.9006	51.2428
THC	3.760	17240	35115	0.4910	50.9949

ISP FORENSICS - Cd'A
Cannabionoid Screen Report

Batch Data Path	D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bii

Analysis Time	1/6/2017 10:58 PM	**Analyst Name**	ISP Tox
Report Time	1/6/2017 11:00 PM	**Reporter Name**	ISP Tox
Last Calib Update	1/6/2017 10:58 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-01-06 17:36	**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

+ TIC MRM (** -> **) cal 6.d
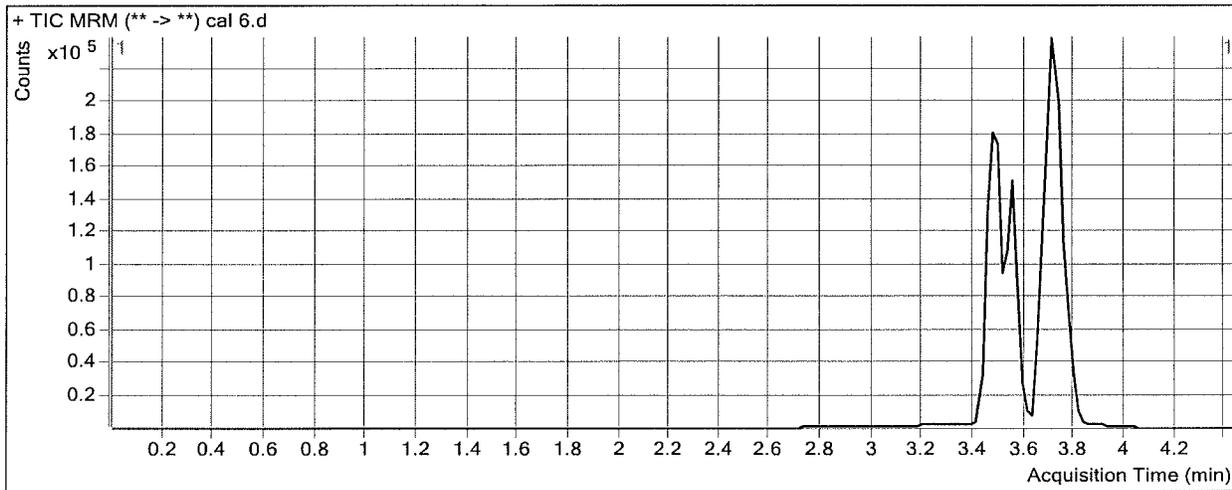
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	334731	335113	0.9989	109.9364
THC-COOH	3.546	199026	110738	1.7973	103.0812
THC	3.760	40097	39644	1.0114	104.7592

ISP FORENSICS - Cd'A
Cannabionoid Screen Report

Batch Data Path   D:\2017 Data\1-6-17 MD and THC Screen\QuantResults\1-6-17 CANNABINOIDS SCREEN.batch.bil
Analysis Time   1/6/2017 10:58 PM   **Analyst Name**   ISP Tox
Report Time   1/6/2017 11:00 PM   **Reporter Name**   ISP Tox
Last Calib Update   1/6/2017 10:58 PM   **Batch State**   Processed

Analysis Info

Acq Time	2017-01-06 17:49	**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

+ TIC MRM (** -> **) cal 7.d
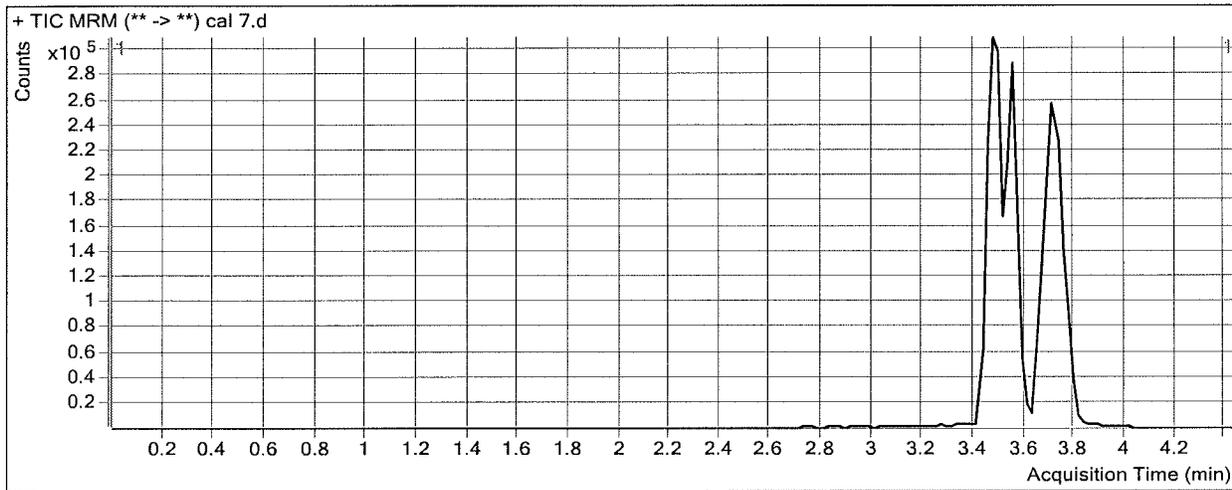
Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	802828	328813	2.4416	267.9963
THC-COOH	3.546	478632	105554	4.5345	261.3326
THC	3.760	103248	39084	2.6417	273.1634

Worklist Report

Worklist Path:	*D:\MassHunter\Worklists\1-6-17 blood screening am 25-26.wkl*
Date Modified:	*01/06/2017 04:47:15 PM*
Date Printed:	*01/06/2017 04:47:20 PM*

Worklist Run Parameters

Operator Name:	---
Run Type:	*Standard Start*
Part of Method to Run:	*Acquisition Only*
Execution for Acquisition-DA:	*Synchronous*
Acquisition Method Path:	*D:\MassHunter\methods*
DA Method Path:	*D:\MassHunter\methods*
Data File Path:	*D:\2017 Data\1-6-17 MD and THC Screen*
Pre-Worklist Script:	---
Post-Worklist Script:	*SCP_InstrumentStandby(){MH_Acq_Scripts.exe}*
Acquisition Clean Up Script:	---
Overlapped Injection:	*No*
Clear sample selection after run:	*Yes*
Wait Time for Ready(Min):	*10*
Threshold Disk Value(GB):	*10*
Comment:	---

Plate Barcode Information

Plate	Barcode
P1	
P2	

Worklist Table

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
blank	Vial 1	Screen THC 11102016.m	blank.d	Sample					
blank	Vial 1	Screen THC 11102016.m	blank2.d	Sample					
cal 2	P1-B1	Screen THC 11102016.m	cal 2.d	Calibration	2	AM 26 Cannabionid screen			
cal 3	P1-C1	Screen THC 11102016.m	cal 3.d	Calibration	3	AM 26 Cannabionid screen			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
cal 4	P1-D1	Screen THC 11102016.m	cal 4.d	Calibration	4	AM 26 Cannabionid screen			
cal 5	P1-E1	Screen THC 11102016.m	cal 5.d	Calibration	5	AM 26 Cannabionid screen			
cal 6	P1-F1	Screen THC 11102016.m	cal 6.d	Calibration	6	AM 26 Cannabionid screen			
Neg Control	P1-a2	Screen THC 11102016.m	Neg Control.d	Sample		AM 26 Cannabionid screen			
cal 7	P1-G1	Screen THC 11102016.m	cal 7.d	Calibration	7	AM 26 Cannabionid screen			
QC 10	P1-A3	Screen THC 11102016.m	QC 10.d	QC	3	AM 26 Cannabionid screen			
c2016-0035-2	p1b2	Screen THC 11102016.m	c2016-0035-2.d	Sample		AM 26 Cannabionid screen			
m2016-3502-1	p1c2	Screen THC 11102016.m	m2016-3502-1.d	Sample		AM 26 Cannabionid screen			
m2016-3600-1	p1A4	Screen THC 11102016.m	m2016-3600-1.d	Sample		AM 26 Cannabionid screen			
m2016-3842-1	p1e2	Screen THC 11102016.m	m2016-3842-1.d	Sample		AM 26 Cannabionid screen			
m2016-4144-1	p1f2	Screen THC 11102016.m	m2016-4144-1.d	Sample		AM 26 Cannabionid screen			
m2016-4831-1	p1g2	Screen THC 11102016.m	m2016-4831-1.d	Sample		AM 26 Cannabionid screen			
m2016-4461-1	p1h2	Screen THC 11102016.m	m2016-4461-1.d	Sample		AM 26 Cannabionid screen			
m2016-4462-1	p1H6	Screen THC 11102016.m	m2016-4462-1.d	Sample		AM 26 Cannabionid screen			
m2016-5011-1	p1c3	Screen THC 11102016.m	m2016-5011-1.d	Sample		AM 26 Cannabionid screen			
m2016-5090-1	p1A5	Screen THC 11102016.m	m2016-5090-1.d	Sample		AM 26 Cannabionid screen			
	p1e3			Sample					

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
m2016-5175-1		Screen THC 11102016.m	m2016-5175-1.d			AM 26 Cannabionid screen			
m2016-5193-1	p1f3	Screen THC 11102016.m	m2016-5193-1.d	Sample		AM 26 Cannabionid screen			
p2016-1910-1	p1g3	Screen THC 11102016.m	p2016-1910-1.d	Sample		AM 26 Cannabionid screen			
p2016-2020-1	p1h3	Screen THC 11102016.m	p2016-2020-1.d	Sample		AM 26 Cannabionid screen			
p2016-2184-1	p1b4	Screen THC 11102016.m	p2016-2184-1.d	Sample		AM 26 Cannabionid screen			
p2016-2194-1	p1c4	Screen THC 11102016.m	p2016-2194-1.d	Sample		AM 26 Cannabionid screen			
p2016-2204-1	P1-D4	Screen THC 11102016.m	p2016-2204-1.d	Sample		AM 26 Cannabionid screen			
p2016-2205-1	p1e4	Screen THC 11102016.m	p2016-2205-1.d	Sample		AM 26 Cannabionid screen			
p2016-2223-1	p1f4	Screen THC 11102016.m	p2016-2223-1.d	Sample		AM 26 Cannabionid screen			
p2016-2233-1	p1g4	Screen THC 11102016.m	p2016-2233-1.d	Sample		AM 26 Cannabionid screen			
p2016-2234-1	P1-A1	Screen THC 11102016.m	p2016-2234-1.d	Sample		AM 26 Cannabionid screen			
p2016-2311-1	p1A6	Screen THC 11102016.m	p2016-2311-1.d	Sample		AM 26 Cannabionid screen			
p2016-2320-1	P1-C5	Screen THC 11102016.m	p2016-2320-1.d	Sample		AM 26 Cannabionid screen			
p2016-2327-1	p1d5	Screen THC 11102016.m	p2016-2327-1.d	Sample		AM 26 Cannabionid screen			
p2016-2338-1	p1e5	Screen THC 11102016.m	p2016-2338-1.d	Sample		AM 26 Cannabionid screen			
p2016-2345-1	P1-F5	Screen THC 11102016.m	p2016-2345-1.d	Sample		AM 26 Cannabionid screen			
	p1g5			Sample					

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
p2016-2362-1		Screen THC 11102016.m	p2016-2362-1.d			AM 26 Cannabionid screen			
p2016-2384-1	p1h1	Screen THC 11102016.m	p2016-2384-1.d	Sample		AM 26 Cannabionid screen			
p2016-2411-2	P1-B6	Screen THC 11102016.m	p2016-2411-1.d	Sample		AM 26 Cannabionid screen			
p2016-2649-1	P1-C6	Screen THC 11102016.m	p2016-2649-1.d	Sample		AM 26 Cannabionid screen			
p2016-2650-1	P1-D6	Screen THC 11102016.m	p2016-2650-1.d	Sample		AM 26 Cannabionid screen			
p2016-2729-1	P1-E6	Screen THC 11102016.m	p2016-2729-1.d	Sample		AM 26 Cannabionid screen			
p2016-2789-1	P1-F6	Screen THC 11102016.m	p2016-2789-1.d	Sample		AM 26 Cannabionid screen			
c2016-2451-1	P1-G6	Screen THC 11102016.m	c2016-2451-1.d	Sample		AM 26 Cannabionid screen			
blank end of run	Vial 1	Screen THC 11102016.m	blank end of run cann3.d	Sample		AM 26 Cannabionid screen			
blank 1	Vial 1	Screen Positive Panel 1 2017.m	blank 1a.d	Sample					
blank 2	Vial 1	Screen Positive Panel 1 2017.m	blank 2a.d	Sample					
blank 3	Vial 1	Screen Positive Panel 2 9222016.m	blank 3a.d	Sample					
p1 cal 1a	P2-A1	Screen Positive Panel 1 2017.m	p1 cal 1a.d	Calibration	1	Administrative Thershold sample panel a			
p2 cal 1b	P2-A1	Screen Positive Panel 2 9222016.m	p2 cal 1b.d	Calibration	1	Administrative Threshold sample panel b			
p1 external	P2-D1	Screen Positive	p1 external	Sample		negative blood lot			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
control a		Panel 1 2017.m	control a.d			32632-2 panel a			
p2 external control	P2-D1	Screen Positive Panel 2 9222016.m	p2 external control.d	Sample		negative blood lot 32632-2 panel b			
p1 negative	P2-C1	Screen Positive Panel 1 2017.m	p1 negative.d	Sample		positive control lot 31217 in 32632-2 a			
p2 negative	P2-C1	Screen Positive Panel 2 9222016.m	p2 negative.d	Sample		positive control lot 31217 in 32632-2 b			
p1 C2017-0035-2	P2-E1	Screen Positive Panel 1 2017.m	p1 C2017-0035-2.d	Sample		AM 25 multidrug screen panel a			
p2 C2017-0035-2	P2-E1	Screen Positive Panel 2 9222016.m	p2 C2017-0035-2.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-3502-1	P2-F1	Screen Positive Panel 1 2017.m	p1 m2016-3502-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-3502-1	P2-F1	Screen Positive Panel 2 9222016.m	p2 m2016-3502-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-3600-1	P2-G1	Screen Positive Panel 1 2017.m	p1 m2016-3600-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-3600-1	P2-G1	Screen Positive Panel 2 9222016.m	p2 m2016-3600-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-3842-1	P2-H1	Screen Positive Panel 1 2017.m	p1 m2016-3842-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-3842-1	P2-H1	Screen Positive Panel 2 9222016.m	p2 m2016-3842-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-4144-1	P2-A2	Screen Positive Panel 1 2017.m	p1 m2016-4144-1.d	Sample		AM 25 multidrug screen panel a			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
p2 m2016-4144-1	P2-A2	Screen Positive Panel 2 9222016.m	p2 m2016-4144-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-4381-1	P2-B2	Screen Positive Panel 1 2017.m	p1 m2016-4381-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-4381-1	P2-B2	Screen Positive Panel 2 9222016.m	p2 m2016-4381-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-4461-1	P2-C2	Screen Positive Panel 1 2017.m	p1 m2016-4461-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-4461-1	P2-C2	Screen Positive Panel 2 9222016.m	p2 m2016-4461-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-4462-1	P2-D2	Screen Positive Panel 1 2017.m	p1 m2016-4462-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-4462-1	P2-D2	Screen Positive Panel 2 9222016.m	p2 m2016-4462-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-5011-1	P2-E2	Screen Positive Panel 1 2017.m	p1 m2016-5011-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-5011-1	P2-E2	Screen Positive Panel 2 9222016.m	p2 m2016-5011-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-5090-1	P2-F2	Screen Positive Panel 1 2017.m	p1 m2016-5090-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-5090-1	P2-F2	Screen Positive Panel 2 9222016.m	p2 m2016-5090-1.d	Sample		AM 25 multidrug screen panel b			
p1 m2016-5175-1	P2-G2	Screen Positive Panel 1 2017.m	p1 m2016-5175-1.d	Sample		AM 25 multidrug screen panel a			
	P2-G2	Screen Positive		Sample		AM 25 multidrug			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
p2 m2016-5175-1		Panel 2 9222016.m	p2 m2016-5175-1.d			screen panel b			
p1 m2016-5193-1	P2-H2	Screen Positive Panel 1 2017.m	p1 m2016-5193-1.d	Sample		AM 25 multidrug screen panel a			
p2 m2016-5193-1	P2-H2	Screen Positive Panel 2 9222016.m	p2 m2016-5193-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-1910-1	P2-A3	Screen Positive Panel 1 2017.m	p1 p2016-1910-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-1910-1	P2-A3	Screen Positive Panel 2 9222016.m	p2 p2016-1910-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2020-1	P2-B3	Screen Positive Panel 1 2017.m	p1 p2016-2020-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2020-1	P2-B3	Screen Positive Panel 2 9222016.m	p2 p2016-2020-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2184-1	P2-C3	Screen Positive Panel 1 2017.m	p1 p2016-2184-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2184-1	P2-C3	Screen Positive Panel 2 9222016.m	p2 p2016-2184-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2194-1	P2-D3	Screen Positive Panel 1 2017.m	p1 p2016-2194-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2194-1	P2-D3	Screen Positive Panel 2 9222016.m	p2 p2016-2194-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2204-1	P2-E3	Screen Positive Panel 1 2017.m	p1 p2016-2204-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2204-1	P2-E3	Screen Positive	p2 p2016-2204-1.d	Sample		AM 25 multidrug			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
		Panel 2 9222016.m				screen panel b			
p1 p2016-2205-1	P2-F3	Screen Positive Panel 1 2017.m	p1 p2016-2205-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2205-1	P2-F3	Screen Positive Panel 2 9222016.m	p2 p2016-2205-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2223-1	P2-G3	Screen Positive Panel 1 2017.m	p1 p2016-2223-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2223-1	P2-G3	Screen Positive Panel 2 9222016.m	p2 p2016-2223-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2233-1	P2-H3	Screen Positive Panel 1 2017.m	p1 p2016-2233-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2233-1	P2-H3	Screen Positive Panel 2 9222016.m	p2 p2016-2233-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2234-1	P2-A4	Screen Positive Panel 1 2017.m	p1 p2016-2234-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2234-1	P2-A4	Screen Positive Panel 2 9222016.m	p2 p2016-2234-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2311-1	P2-B4	Screen Positive Panel 1 2017.m	p1 p2016-2311-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2311-1	P2-B4	Screen Positive Panel 2 9222016.m	p2 p2016-2311-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2320-1	P2-C4	Screen Positive Panel 1 2017.m	p1 p2016-2320-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2320-1	P2-C4	Screen Positive Panel 2 9222016.m	p2 p2016-2320-1.d	Sample		AM 25 multidrug screen panel b			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
p1 p2016-2327-1	P2-D4	Screen Positive Panel 1 2017.m	p1 p2016-2327-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2327-1	P2-D4	Screen Positive Panel 2 9222016.m	p2 p2016-2327-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2338-1	P2-E4	Screen Positive Panel 1 2017.m	p1 p2016-2338-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2338-1	P2-E4	Screen Positive Panel 2 9222016.m	p2 p2016-2338-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2345-1	P2-F4	Screen Positive Panel 1 2017.m	p1 p2016-2345-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2345-1	P2-F4	Screen Positive Panel 2 9222016.m	p2 p2016-2345-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2362-1	P2-G4	Screen Positive Panel 1 2017.m	p1 p2016-2362-1.d	Sample		AM 25 multidrug screen panel a			
p2 p2016-2362-1	P2-G4	Screen Positive Panel 2 9222016.m	p2 p2016-2362-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2384-1	P2-H4	Screen Positive Panel 1 2017.m	p1 p2016-2384-1.d	Sample		AM 25 multidrug screen panel b			
p2 p2016-2384-1	P2-H4	Screen Positive Panel 2 9222016.m	p2 p2016-2384-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2411-2	P2-A5	Screen Positive Panel 1 2017.m	p1 p2016-2411-2.d	Sample		AM 25 multidrug screen panel b			
p2 p2016-2411-2	P2-A5	Screen Positive Panel 2 9222016.m	p2 p2016-2411-2.d	Sample		AM 25 multidrug screen panel b			
	P2-B5	Screen Positive	p1 p2016-2649-1.d	Sample		AM 25 multidrug			

Sample Name	Sample Position	Method	Data File	Sample Type	Level Name	Comment	Barcode	Sample Group	Info.
p1 p2016-2649-1		Panel 1 2017.m				screen panel b			
p2 p2016-2649-1	P2-B5	Screen Positive Panel 2 9222016.m	p2 p2016-2649-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2650-1	P2-C5	Screen Positive Panel 1 2017.m	p1 p2016-2650-1.d	Sample		AM 25 multidrug screen panel b			
p2 p2016-2650-1	P2-C5	Screen Positive Panel 2 9222016.m	p2 p2016-2650-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2729-1	P2-D5	Screen Positive Panel 1 2017.m	p1 p2016-2729-1.d	Sample		AM 25 multidrug screen panel b			
p2 p2016-2729-1	P2-D5	Screen Positive Panel 2 9222016.m	p2 p2016-2729-1.d	Sample		AM 25 multidrug screen panel b			
p1 p2016-2789-1	P2-E5	Screen Positive Panel 1 2017.m	p1 p2016-2789-1.d	Sample		AM 25 multidrug screen panel b			
p2 p2016-2789-1	P2-E5	Screen Positive Panel 2 9222016.m	p2 p2016-2789-1.d	Sample		AM 25 multidrug screen panel b			
p1 c2016-2451-1	P2-F5	Screen Positive Panel 1 2017.m	p1 c2016-2451-1.d	Sample		AM 25 multidrug screen panel b			
p2 c2016-2451-1	P2-F5	Screen Positive Panel 2 9222016.m	p2 c2016-2451-1.d	Sample		AM 25 multidrug screen panel b			
end of run	Vial 1	Screen Positive Panel 1 2017.m	end of run.d	Sample					
for real end of run	Vial 1	Screen Positive Panel 2 9222016.m	for real end of run.d	Sample					

Idaho State Police
Forensic Services
Toxicology Discipline

Request for Departure from an Analytical Method

Date of Request
12/14/16

Analytical Method
AM 25 multidrug screen

Deviation

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

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

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

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

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

Discipline Leader Review

☒ Departure approved
  Comments: These are minor deviations, this deviation approval will be in effect until the method is updated to include these criteria.

☐ Departure Not Approved
  Comments:

[signature]

 Date: 12/14/16
Celena Shrum
Toxicology Program Discipline Leader