


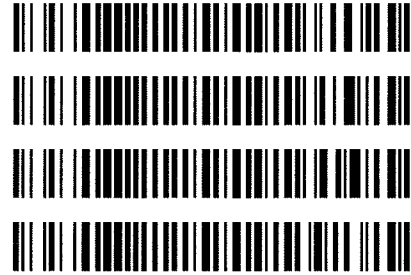
**Worklist: 1428**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2016-3216	2	72498	AM 25/AM 26 Blood MultiDrug/	
M2016-4354	1	72499	AM 25/AM 26 Blood MultiDrug/	
M2016-4868	1	72500	AM 25/AM 26 Blood MultiDrug/	
M2016-4987	2	72501	AM 25/AM 26 Blood MultiDrug/	
P2016-1837	1	72466	AM 25/AM 26 Blood MultiDrug/	
P2016-1909	1	72467	AM 25/AM 26 Blood MultiDrug/	
P2016-1947	1	72503	AM 25/AM 26 Blood MultiDrug/	
P2016-2042	1	72469	AM 25/AM 26 Blood MultiDrug/	
P2016-2086	1	72470	AM 25/AM 26 Blood MultiDrug/	
P2016-2160	1	72465	AM 25/AM 26 Blood MultiDrug/	
P2016-2386	1	72471	AM 25/AM 26 Blood MultiDrug/	
P2016-2426	1	72472	AM 25/AM 26 Blood MultiDrug/	
P2016-2486	1	72473	AM 25/AM 26 Blood MultiDrug/	
P2016-2645	1	72474	AM 25/AM 26 Blood MultiDrug/	
P2016-2648	1	72475	AM 25/AM 26 Blood MultiDrug/	
P2016-2665	1	72476	AM 25/AM 26 Blood MultiDrug/	
P2016-2713	4	72478	AM 25/AM 26 Blood MultiDrug/	
P2016-2730	1	72479	AM 25/AM 26 Blood MultiDrug/	
P2016-2731	1	72480	AM 25/AM 26 Blood MultiDrug/	
P2016-2732	1	72481	AM 25/AM 26 Blood MultiDrug/	
P2016-2733	1	72482	AM 25/AM 26 Blood MultiDrug/	
P2016-2767	1	72483	AM 25/AM 26 Blood MultiDrug/	
P2016-2787	1	72484	AM 25/AM 26 Blood MultiDrug/	



**Worklist: 1428**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2016-2826	3	72485	AM 25/AM 26 Blood MultiDrug/
P2016-2827	1	72486	AM 25/AM 26 Blood MultiDrug/
P2016-2830	1	72496	AM 25/AM 26 Blood MultiDrug/
P2016-2834	1	72497	AM 25/AM 26 Blood MultiDrug/



Reviewed 12/27/16

A handwritten signature in green ink, consisting of a large loop and a trailing line.

A handwritten signature in black ink, appearing to be a stylized name.

**Idaho State Police  
Forensic Services  
Toxicology Discipline**

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**Request for Departure from an Analytical Method**

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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  $\pm 2\%$  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**

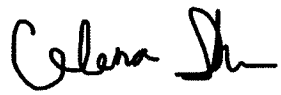
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Departure approved

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:

A handwritten signature in black ink, appearing to read "Celena Shrum". The signature is fluid and cursive, with a horizontal line at the end.

Date: 12/14/16

Celena Shrum

Toxicology Program Discipline Leader

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

Extraction Date: 12-21-16

Analyst: BW

**PRE-ANALYTIC**

Plate Lot# 0483844

Plate. Exp. June 15, 2017

- ✓ 1. Ensure all solutions are within expiration date.

Mobile Phase A: <b>10mM Amm Formate</b>		0.1% Formic Acid in water	
Mobile Phase B: <b>0.1% FA in MeOH</b>		MTBE	
Blank/Negative Blood	Lot #: <u>321632-2</u>	Hexane	
<i>Column: Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um)</i>			

- ✓ 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. Is pressure stable? (Y)/N

- ✓ 4. Create worklist. Data path name: 12-21-16 BAW blood Screen AM25-26

**ANALYTIC**

- ✓ 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- ✓ 2. Add **1000 µL blood** to wells of analytical (standards) plate. Mix via aspirate and dispense.
- Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- ✓ 3. Place on shaking incubator at ambient temp., **900rpm for 15 minutes**. Shaker ID 66759
- ✓ 4. Pipette **500µL 0.1% formic acid** to all wells of standards plate.
- ✓ 5. Place on shaking incubator at ambient temp., **900rpm for 15 minutes**.
- ✓ 6. Transfer **800µL of blood+acid** mixture to corresponding wells of SLE+ plate.
7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)* Pressure manifold ID 66729
- Wait 5 min.
- ✓ 8. Add **2.25mL MTBE** and allow to flow under gravity for 5 minutes. *(add in 3 increments of 750uL)*
- ✓ 9. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*
- ✓ 10. Add **2.25mL Hexane** and allow to flow under gravity for 5 minutes. *(add in 3 increments of 750uL)*
- ✓ 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*
- ✓ 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
SPE Dry ID 66819
14. 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: 12-21-16 Blood Cannab Screen
- ✓ 2. Make any necessary integration changes.
3. For unknown samples, calculated concentration > 3ng THC, THC-OH > 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:

THC

BW

# ISP FORENSICS - Cd'A

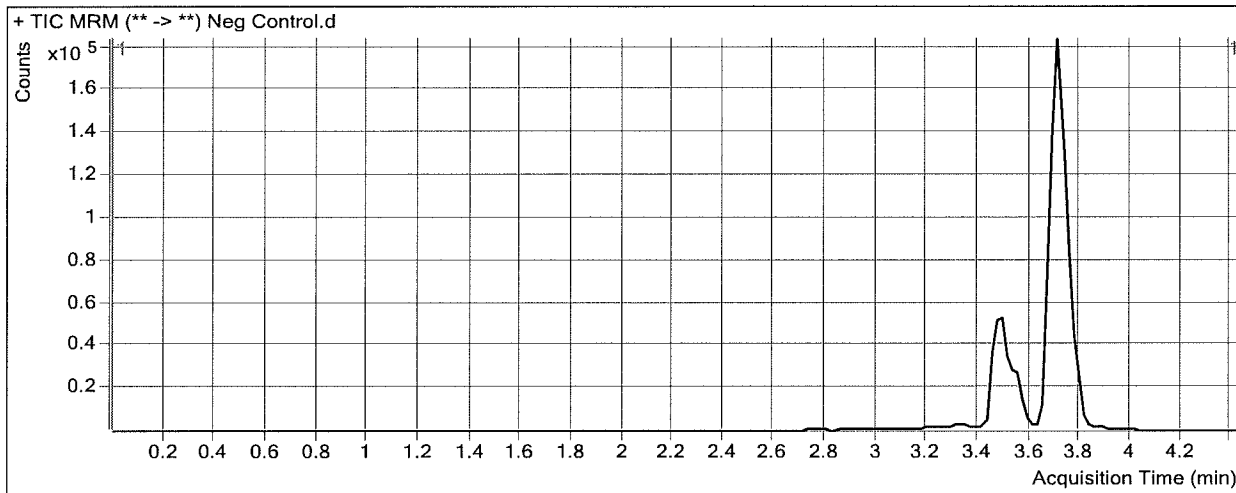
## Cannabinoid Screen Report

**Batch Data Path** D:\2016 Data\12-21-16 BAW blood screen AM 25-26\QuantResults\12-21-16 Blood Cannab Screer  
**Analysis Time** 12/22/2016 8:22 AM **Analyst Name** ISP Tox  
**Report Time** 12/22/2016 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 12/22/2016 8:21 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2016-12-21 16:07 **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 Cannabionid screen

### Sample Chromatogram



### Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.553	0	218437	0.0000	0.0000
THC-COOH	3.446	0	66765	0.0000	0.0000

*AW*

# ISP FORENSICS - Cd'A

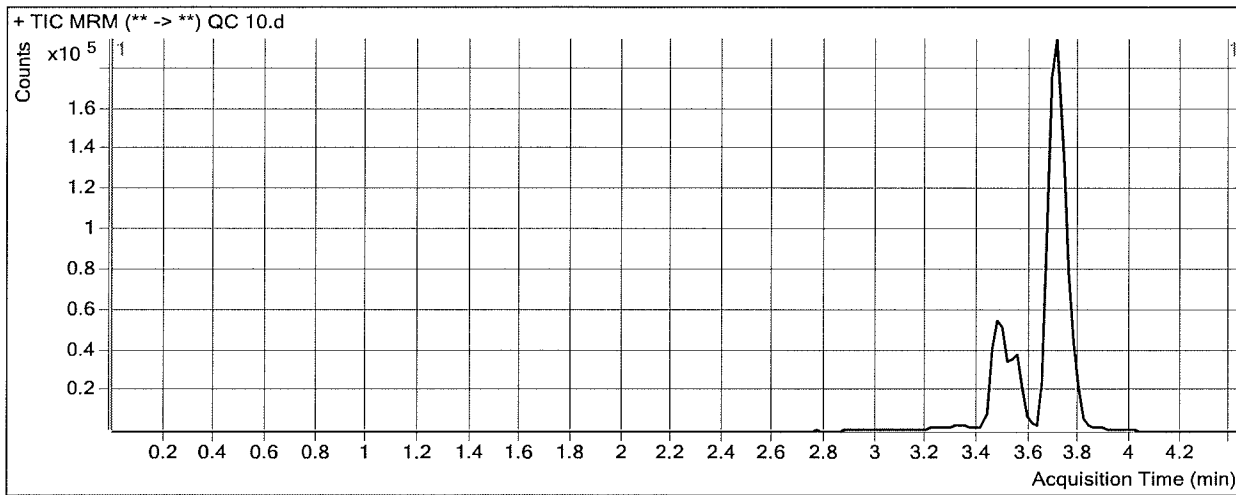
## Cannabinoid Screen Report

**Batch Data Path** D:\2016 Data\12-21-16 BAW blood screen AM 25-26\QuantResults\12-21-16 Blood Cannab Screer  
**Analysis Time** 12/22/2016 8:22 AM **Analyst Name** ISP Tox  
**Report Time** 12/22/2016 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 12/22/2016 8:21 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2016-12-21 16:20 **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 Cannabionid screen

### Sample Chromatogram



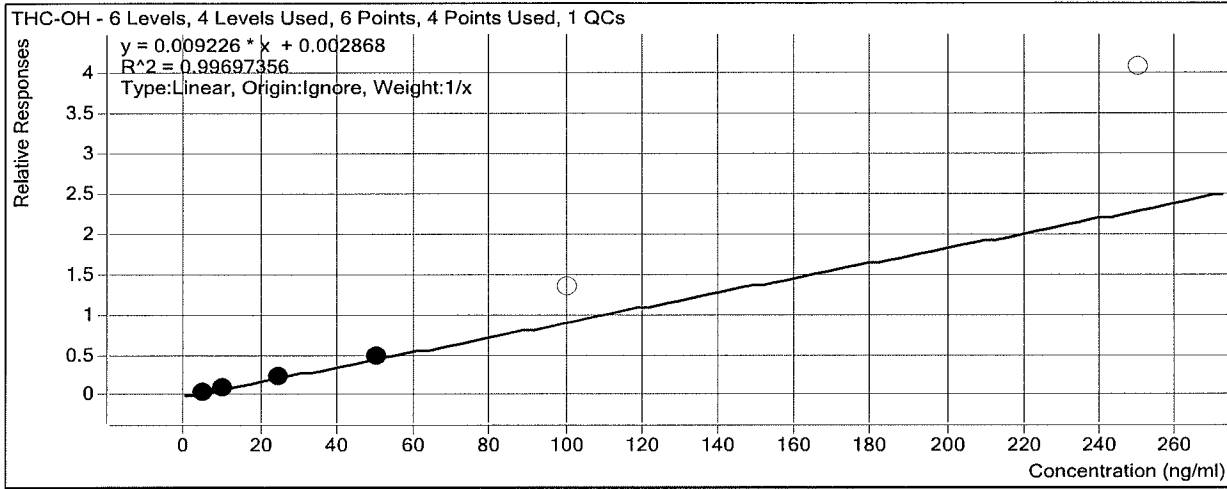
### Results

Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.493	21576	202439	0.1066	11.2418
THC-COOH	3.546	17646	78756	0.2241	12.3292
THC	3.760	3038	30412	0.0999	10.1207

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2016 Data\12-21-16 BAW blood screen AM 25-26\QuantResults\12-21-16 Blood Cannab  
Screen.batch.bin  
**Last Calib Update** 12/22/2016 8:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	5.4	108.0
cal 3	3	<input checked="" type="checkbox"/>	10	9.3	93.2
QC 10	3	<input checked="" type="checkbox"/>	10	11.2	112.4
cal 4	4	<input checked="" type="checkbox"/>	25	24.1	96.4
cal 5	5	<input checked="" type="checkbox"/>	50	51.2	102.4
cal 6	6	<input type="checkbox"/>	100	147.2	147.2
cal 7	7	<input type="checkbox"/>	250	441.7	176.7

*ISP*

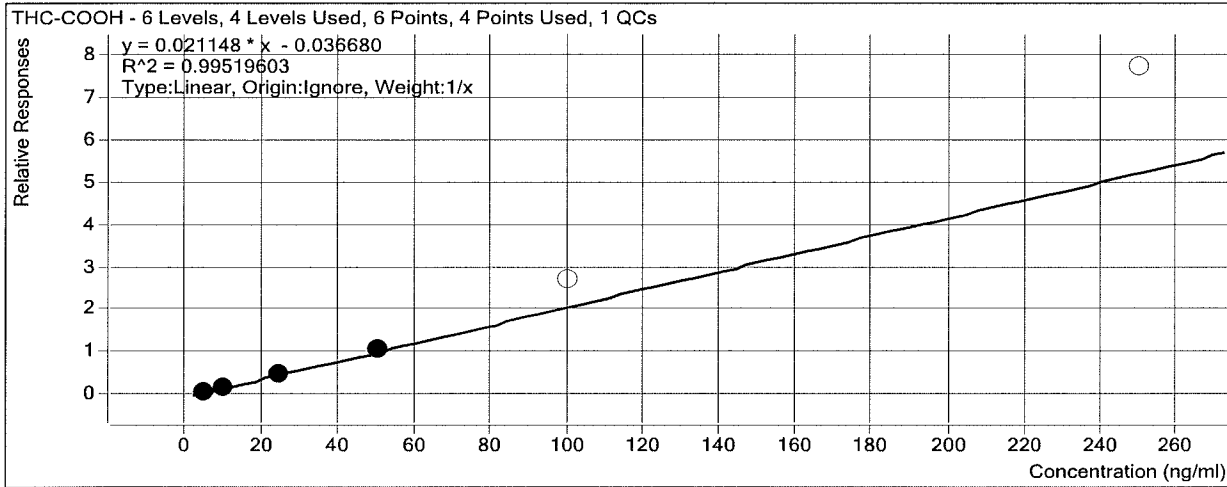


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2016 Data\12-21-16 BAW blood screen AM 25-26\QuantResults\12-21-16 Blood Cannab Screen.batch.bin

**Last Calib Update** 12/22/2016 8:21 AM **Analyst Name** ISP TOX

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



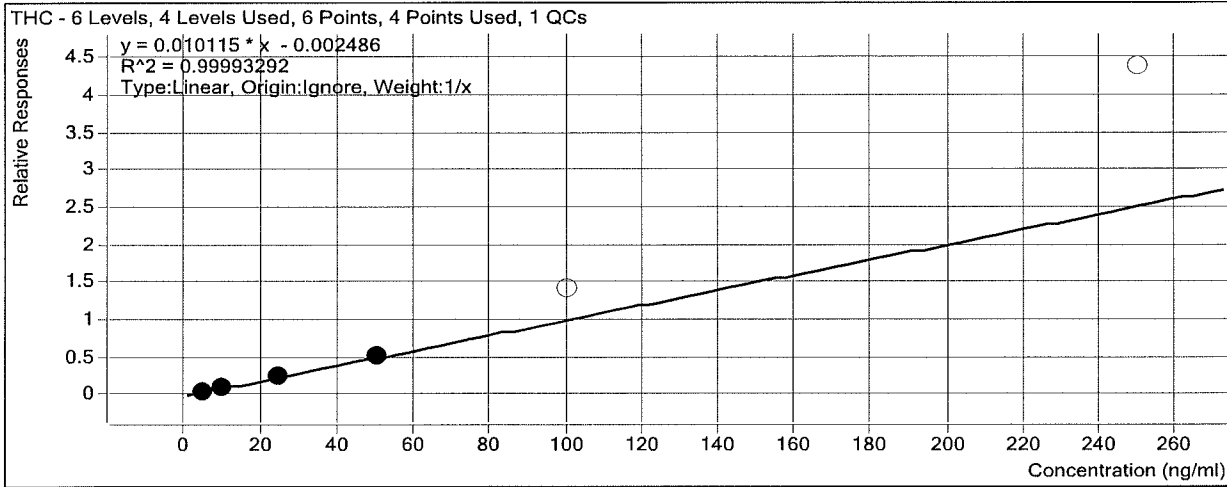
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	5.5	110.1
cal 3	3	<input checked="" type="checkbox"/>	10	9.1	91.5
QC 10	3	<input checked="" type="checkbox"/>	10	12.3	123.3
cal 4	4	<input checked="" type="checkbox"/>	25	23.9	95.4
cal 5	5	<input checked="" type="checkbox"/>	50	51.5	103.0
cal 6	6	<input type="checkbox"/>	100	128.6	128.6
cal 7	7	<input type="checkbox"/>	250	367.0	146.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2016 Data\12-21-16 BAW blood screen AM 25-26\QuantResults\12-21-16 Blood Cannab  
Screen.batch.bin

**Last Calib Update** 12/22/2016 8:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 2	2	<input checked="" type="checkbox"/>	5	4.9	98.7
cal 3	3	<input checked="" type="checkbox"/>	10	10.1	101.4
QC 10	3	<input checked="" type="checkbox"/>	10	10.1	101.2
cal 4	4	<input checked="" type="checkbox"/>	25	25.0	100.1
cal 5	5	<input checked="" type="checkbox"/>	50	49.9	99.8
cal 6	6	<input type="checkbox"/>	100	140.0	140.0
cal 7	7	<input type="checkbox"/>	250	433.3	173.3

*ISP*

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

Extraction Date: 12-21-16

Analyst: BW

## PRE-ANALYTIC

Plate Lot# 04955940

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

**0.5M Ammonium Hydroxide** Lot #: NA  
Column: **Phenomenex Phenyl Hexyl (4.6 x 50mm; 2.6um)**

Lot #: 321632-2

- 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: 12-21-16 BAW blood screen AM 25-26

## ANALYTIC

- 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood** in wells of analytical (standards) plate. Mix via aspirate and dispense.
  - Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759
- 4. Pipette **250µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID 66729*
- Wait 5 min.
- 8. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- 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: 12-21-16 Blood Screen Panel 1
- 2. Make any necessary integration changes. 12-21-16 Blood Screen Panel 2
- 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:

BW  
MD

Compound Method			p1 negative		p1 negative Results			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Quali...	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	12/21/2016 9:58 PM	5.506	59	1.47	328.2 -> 211...			6-MAM-D6	334.2 -> 165...	4.952	44130
7-Aminoclonazepam	286.1 -> 121...	12/21/2016 9:58 PM	5.868	52	0.42	323.2 -> 188...			7-Aminoclonazepam-D4	290.1 -> 121...	5.566	101879
Acetyl Fentanyl	323.2 -> 105...	12/21/2016 9:58 PM	4.926	188	1.67	219.1 -> 56.3	0.48	0.48	Acetyl Fentanyl-D5	328.2 -> 105...	5.805	999579
Acetyl Norfentanyl	219.1 -> 84.2	12/21/2016 9:58 PM	6.376	64	0.48	325.1 -> 215...	1.60	1.60	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.906	436845
a-hydroxypiprazolam	325.1 -> 297...	12/21/2016 9:58 PM	5.882	143	0.71	232.2 -> 77.1	1.02	1.02	a-hydroxypiprazolam-D5	330.1 -> 302...	6.436	28083
alpha-PVP	232.2 -> 91.0	12/21/2016 9:58 PM	6.359	1411	8.57	309.1 -> 205...	0.52	0.52	alpha-PVP-d8	240.2 -> 91.1	5.573	450837
Alprazolam	309.1 -> 281...	12/21/2016 9:58 PM				136.1 -> 119...			Alprazolam-D5	314.1 -> 286...	6.521	195390
Amphetamine	136.1 -> 91.1	12/21/2016 9:58 PM	5.758	97	0.83	240.1 -> 131...	1.17	1.17	Amphetamine-D11	147.2 -> 130...	4.807	100344
Bupropion	240.1 -> 184...	12/21/2016 9:58 PM	6.530	75	0.62	261.2 -> 55.3	2.02	2.02	Ketamine-D4	242.1 -> 129...	5.451	281113
Carisoprodol	261.2 -> 176...	12/21/2016 9:58 PM	6.111	130	0.46	325.2 -> 262...			Carisoprodol-D7	268.2 -> 183...	6.163	366825
Citalopram	325.2 -> 109...	12/21/2016 9:58 PM	4.616	17	0.62	300.2 -> 165...	0.56	0.56	Citalopram-D6	331.2 -> 109...	6.090	700744
Clonazepam	316.1 -> 215...	12/21/2016 9:58 PM	6.154	227	0.65	316.1 -> 213...			Clonazepam-D4	320.1 -> 217...	6.378	20323
Codaine	300.2 -> 215...	12/21/2016 9:58 PM	6.059	57	0.54	276.2 -> 231...	0.48	0.48	Codaine-D6	306.2 -> 215...	6.364	444423
Cyclobenzaprine	276.2 -> 214...	12/21/2016 9:58 PM	6.223	339	0.55	272.2 -> 147...	1.03	1.03	Cyclobenzaprine-D3	279.2 -> 215...	6.364	444423
Dextromethorphan	272.2 -> 171...	12/21/2016 9:58 PM	5.429	40	0.39	258.2 -> 133...			Dextromethorphan-D3	275.2 -> 171...	6.121	201667
Dextroproprian	258.2 -> 157...	12/21/2016 9:58 PM	6.403	1327	2.39	285.1 -> 153...	0.30	0.30	Diazepam-D5	261.2 -> 157...	5.448	227132
Diazepam	285.1 -> 193...	12/21/2016 9:58 PM	4.553	27	0.43	302.2 -> 128...	1.31	1.31	Diazepam-D5	290.1 -> 198...	6.748	163685
Dihydrocodeine	302.2 -> 198...	12/21/2016 9:58 PM				256.2 -> 152...			Dihydrocodeine-D6	308.2 -> 202...	4.773	110810
Diphenhydramine	256.2 -> 167...	12/21/2016 9:58 PM	5.734	11470	3.70	271.2 -> 167...	5.39	5.39	Diphenhydramine-D3	259.2 -> 167...	6.062	12633...
Doxylamine	271.2 -> 182...	12/21/2016 9:58 PM	6.119	168	1.56	279.2 -> 250...			Doxylamine-D5	276.2 -> 187...	5.733	10456...
EDDP	279.2 -> 235...	12/21/2016 9:58 PM	5.886	213	1.17	337.2 -> 188...			EDDP-D3	282.2 -> 235...	6.099	54137
Fentanyl	337.2 -> 105...	12/21/2016 9:58 PM	6.318	681	0.98	310.1 -> 148...	0.91	0.91	Fentanyl-D5	342.3 -> 105...	6.028	898231
Fluoxetine	310.1 -> 44.3	12/21/2016 9:58 PM	5.099	83	0.64	300.2 -> 128...	0.35	0.35	Fluoxetine-D6	316.2 -> 44.3	6.337	10650...
Hydrocodone	300.2 -> 198...	12/21/2016 9:58 PM	4.476	16	0.55	286.2 -> 157...			Hydrocodone-D6	306.2 -> 202...	5.056	171265
Hydromorphone	286.2 -> 184...	12/21/2016 9:58 PM	5.350	697	2.29	238.1 -> 220...			Hydromorphone-D6	292.2 -> 185...	4.475	76666
Ketamine	238.1 -> 125...	12/21/2016 9:58 PM	6.521	1229	0.78	310.2 -> 105...	0.45	0.45	Ketamine-D4	242.1 -> 129...	5.451	281113
Meprobamate	219.1 -> 158...	12/21/2016 9:58 PM	5.616	623	0.52	219.1 -> 97.1			Meprobamate-D7	226.2 -> 165...	5.656	81941
Methadone	310.2 -> 265...	12/21/2016 9:58 PM	4.273	88	0.49	286.2 -> 165...	0.54	0.54	Methadone-D9	319.3 -> 268...	6.398	872701
Methamphetamine	150.1 -> 91.1	12/21/2016 9:58 PM	4.973	653	0.38	328.2 -> 211...	0.92	0.92	Methamphetamine-D11	161.2 -> 97.1	4.988	341973
Morphine	286.2 -> 201...	12/21/2016 9:58 PM	4.911	3674	42.58	344.2 -> 308...			Morphine-D6	292.2 -> 152...	4.230	7123
Naloxone	328.2 -> 309...	12/21/2016 9:58 PM	4.952	107	0.94	342.2 -> 55.3			Naloxone-D5	333.2 -> 315...	4.852	138241
Naltrexol	344.2 -> 326...	12/21/2016 9:58 PM	6.229	141	1.24	414.3 -> 57.3	40.30	40.30	Naltrexol-D3	347.2 -> 329...	4.930	260491
Naltrexone	442.2 -> 101...	12/21/2016 9:58 PM	6.387	117	0.68	271.1 -> 208...	0.64	0.64	Naltrexone-D5	333.2 -> 315...	4.852	138241
Norbuprenorphine	414.3 -> 140...	12/21/2016 9:58 PM	5.391	117	3.10	233.2 -> 55.3	2.23	2.23	Norbuprenorphine-D3	417.3 -> 101...	5.863	27422
Nordiazepam	271.1 -> 140...	12/21/2016 9:58 PM	5.001	364	44.84	286.2 -> 171...	1.48	1.48	Nordiazepam-D5	276.1 -> 140...	6.609	50866
Norfentanyl	233.2 -> 84.2	12/21/2016 9:58 PM	4.936	520	1.58	302.1 -> 186...			Norfentanyl-D5	238.2 -> 84.2	5.370	612904
Norhydrocodone	302.1 -> 199...	12/21/2016 9:58 PM	4.965	783	1.43	250.2 -> 42.3			Norhydrocodone-D3	289.2 -> 202...	4.980	64345
Noroxycodone	302.1 -> 284...	12/21/2016 9:58 PM	6.566	114	0.64	287.1 -> 268...			Noroxycodone-D3	305.2 -> 287...	4.915	102130
O-desmethyl-tramadol	250.2 -> 58.3	12/21/2016 9:58 PM	4.894	769	1.08	316.2 -> 241...	0.64	0.64	O-desmethyl-tramadol...	256.2 -> 64.3	4.944	691772
Oxazepam	287.1 -> 240...	12/21/2016 9:58 PM	4.390	777	0.48	302.1 -> 227...	0.86	0.86	Oxazepam-D5	292.1 -> 246...	6.443	46658
Oxycodone	316.2 -> 298...	12/21/2016 9:58 PM	5.049	44458	7.76	150.1 -> 133...	0.65	0.65	Oxycodone-D6	322.2 -> 304...	4.934	208738
Oxymorphone	302.1 -> 234...	12/21/2016 9:58 PM	6.240	97	0.77	285.1 -> 71.3	0.27	0.27	Oxymorphone-D3	305.2 -> 287...	4.305	242557
Phentermine	150.1 -> 65.2	12/21/2016 9:58 PM	6.373	62	0.59	384.2 -> 221...	0.74	0.74	Phentermine-D5	155.2 -> 96.2	5.150	332777
Promethazine	285.1 -> 86.2	12/21/2016 9:58 PM	6.584	78	0.89	306.1 -> 275...	7.40	7.40	Promethazine-D3	288.2 -> 89.2	6.341	15478...
Quetiapine	384.2 -> 253...	12/21/2016 9:58 PM	6.331	697	9.00	387.2 -> 111...	1.11	1.11	Quetiapine-D8	392.2 -> 226...	6.311	290168
Sertraline	306.1 -> 158...	12/21/2016 9:58 PM	6.331	697	9.00	387.2 -> 111...	1.11	1.11	Sertraline-D3	309.1 -> 275...	6.562	336489
Sufentanil	387.2 -> 238...	12/21/2016 9:58 PM							Sufentanil-D5	392.2 -> 238...	6.311	578308

20

Compound Method	p1 negative		p1 negative Results		Qualifier 1 M...	Quali...	ISTD Method	ISTD Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Name	Transition	RT	Resp.
Temazepam	301.1 -> 255...	12/21/2016 9:58 PM	6.463	344	0.84	301.1 -> 283...	1.32	Temazepam-D5	306.1 -> 260...	6.584	314127
Tramadol	264.2 -> 58.3	12/21/2016 9:58 PM	5.468	5975	4.24	264.2 -> 43.3		Tramadol-13C-D3	268.2 -> 58.3	5.468	943322
Trazodone	372.2 -> 176...	12/21/2016 9:58 PM	6.333	3507	2.57	372.2 -> 148...	2.57	Sufentanil-D5	392.2 -> 238...	6.311	578308
Venlafaxine	278.2 -> 58.3	12/21/2016 9:58 PM	5.814	738	0.48	278.2 -> 260...	0.34	Venlafaxine-D6	284.2 -> 64.3	5.834	833049
Zolpidem	308.2 -> 235...	12/21/2016 9:58 PM	6.482	97	0.69	308.2 -> 263...	0.21	Zolpidem-D6	314.2 -> 235...	6.073	800461

Compound Method			p2 negative			p2 negative Results			Qualifier 1 M...			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	S/N	Transition	S/N	Name	Transition	RT	Resp.				
7-aminoflunitrazepam	284.1 -> 135...	12/21/2016 10:08 PM	5.842	1449	19.17	284.1 -> 93.2	-0.62	7-aminoflunitrazepam-D7	291.2 -> 138...	5.740	198212						
alpha-hydroxymidazolam	342.1 -> 324...	12/21/2016 10:08 PM	6.385	210	1.28	342.1 -> 203...	0.23	alpha-hydroxymidazolam...	346.1 -> 328...	6.507	335847						
Amtripyline	278.2 -> 91.2	12/21/2016 10:08 PM	6.598	2645	1.43	278.2 -> 105...	0.66	Amtripyline-D3	281.2 -> 91.2	6.455	372918						
Amoxapine	314.1 -> 271...	12/21/2016 10:08 PM	6.408	38	0.45	314.1 -> 193...		Amtripyline-D3	281.2 -> 91.2	6.455	372918						
Benzoyllecgonine	290.1 -> 168...	12/21/2016 10:08 PM	5.371	112	0.62	290.1 -> 105...		Benzoyllecgonine-D8	298.2 -> 171...	5.370	5531						
Carbamazepine	237.1 -> 193...	12/21/2016 10:08 PM				237.1 -> 194...		Carbamazepine-13C6	243.1 -> 200...	6.176	10740...						
Chlordiazepoxide	300.1 -> 227...	12/21/2016 10:08 PM	6.451	410	2.18	300.1 -> 282...	0.40	Chlordiazepoxide-D5	305.1 -> 286...	6.634	240718						
Clomipramine	315.2 -> 86.2	12/21/2016 10:08 PM	6.592	214	0.42	315.2 -> 58.3		Clomipramine-D3	318.2 -> 89.2	6.652	13082...						
Cocaine	304.2 -> 182...	12/21/2016 10:08 PM	5.634	1073	0.48	304.2 -> 105...		Cocaine-D3	307.2 -> 185...	5.633	548896						
Desipramine	267.2 -> 72.3	12/21/2016 10:08 PM	6.396	1764	3.01	267.2 -> 44.3	Infini...	Desipramine-D3	270.2 -> 75.3	6.396	10185...						
Doxepin	280.2 -> 107...	12/21/2016 10:08 PM	6.395	53	0.43	280.2 -> 77.2	6.62	Doxepin-D3	283.2 -> 107...	6.190	482037						
Estazolam	295.1 -> 267...	12/21/2016 10:08 PM	6.636	98	1.38	295.1 -> 205...	0.66	Estazolam-D5	300.1 -> 272...	6.451	230391						
Flunitrazepam	314.1 -> 268...	12/21/2016 10:08 PM	6.531	1249	2.59	314.1 -> 239...	0.98	Flunitrazepam-D7	321.1 -> 245...	6.490	9286						
Flurazepam	388.2 -> 315...	12/21/2016 10:08 PM	6.139	181	0.81	388.2 -> 317...	0.98	Zopiclone-D4	393.1 -> 244...	5.976	134980						
Imipramine	281.2 -> 86.2	12/21/2016 10:08 PM	6.455	2424	32.63	281.2 -> 58.3	0.47	Imipramine-D3	284.2 -> 61.3	6.413	812810						
Levamisole	205.1 -> 91.2	12/21/2016 10:08 PM	5.202	172	0.42	205.1 -> 178...	1.58	Cocaine-D3	307.2 -> 185...	5.633	548896						
Maprotiline	278.2 -> 91.2	12/21/2016 10:08 PM	6.598	2645	1.43	278.2 -> 117...	1.59	Meperidine-D4	252.2 -> 224...	5.641	254137						
MDA	180.1 -> 163...	12/21/2016 10:08 PM	5.104	161	0.27	180.1 -> 105...	0.38	MDA-D5	185.1 -> 168...	5.003	219629						
MDEA	208.1 -> 163...	12/21/2016 10:08 PM				208.1 -> 105...		MDEA-D6	214.2 -> 166...	5.282	493671						
MDMA	194.1 -> 163...	12/21/2016 10:08 PM	5.143	214	0.37	194.1 -> 105...		MDMA-D6	200.2 -> 166...	5.122	46732						
Meperidine	248.2 -> 220...	12/21/2016 10:08 PM	5.684	192	0.53	248.2 -> 174...	1.30	Meperidine-D4	252.2 -> 224...	5.641	254137						
Methylphenidate	234.2 -> 84.2	12/21/2016 10:08 PM				234.2 -> 56.3		Meperidine-D4	252.2 -> 224...	5.641	254137						
Metoprolol	268.2 -> 116...	12/21/2016 10:08 PM	5.681	24	0.55	268.2 -> 56.3	5.51	Meperidine-D4	252.2 -> 224...	5.641	254137						
Midazolam	326.1 -> 223...	12/21/2016 10:08 PM	6.570	103	1.02	326.1 -> 249...	0.66	Midazolam-D4	330.1 -> 295...	6.630	364617						
Mirtazapine	266.2 -> 195...	12/21/2016 10:08 PM	6.010	385	1.57	266.2 -> 72.3	1.67	Midazolam-D4	330.1 -> 295...	6.630	364617						
Mitragynine	399.2 -> 174...	12/21/2016 10:08 PM				399.2 -> 238...		Carbamazepine-13C6	243.1 -> 200...	6.176	10740...						
Normeperidine	234.1 -> 42.3	12/21/2016 10:08 PM	5.850	75	1.05	234.1 -> 160...	1.03	Normeperidine-D4	238.2 -> 164...	5.644	265887						
Norpropoxyphene	326.2 -> 44.3	12/21/2016 10:08 PM	6.346	101	0.57	326.2 -> 252...	0.84	Norpropoxyphene-D5	331.2 -> 44.3	6.264	115564						
Nortriptyline	264.2 -> 91.2	12/21/2016 10:08 PM	6.418	695	0.21	264.2 -> 233...	1.76	Nortriptyline-D3	267.2 -> 233...	6.437	316367						
Ondansetron	294.2 -> 184...	12/21/2016 10:08 PM	6.515	127	0.62	294.2 -> 212...	0.50	Pentazocine-13C3	289.2 -> 72.3	5.699	368519						
Pentazocine	286.2 -> 218...	12/21/2016 10:08 PM	5.700	39	0.66	286.2 -> 41.3	0.46	Pentazocine-13C3	289.2 -> 72.3	5.699	368519						
Phenazepam	349.0 -> 206...	12/21/2016 10:08 PM	6.506	1838	8.73	349.0 -> 183...		Phenazepam-D4	353.0 -> 183...	6.546	13433						
Phencyclidine	244.2 -> 86.2	12/21/2016 10:08 PM	5.972	736	0.81	244.2 -> 91.1	0.43	Phencyclidine-D5	249.2 -> 86.2	5.930	716016						
Phenytoln	253.1 -> 104...	12/21/2016 10:08 PM	6.317	55	0.43	253.1 -> 182...		Phenytoln-D10	263.2 -> 192...	6.072	12787						
Prazepam	325.1 -> 271...	12/21/2016 10:08 PM	6.894	24	0.34	325.1 -> 140...	0.58	Prazepam-D5	330.1 -> 276...	6.994	649637						
Primidone	219.1 -> 91.2	12/21/2016 10:08 PM	5.586	2100	3.75	219.1 -> 162...	0.17	Prazepam-D5	330.1 -> 276...	6.994	649637						
Propoxyphene	340.2 -> 58.3	12/21/2016 10:08 PM	6.324	152	1.29	340.2 -> 266...		Propoxyphene-D11	351.3 -> 277...	6.262	209518						
Protriptyline	264.2 -> 155...	12/21/2016 10:08 PM	6.357	35	0.33	264.2 -> 161...	2.42	Protriptyline-D3	267.2 -> 155...	6.335	333381						
Pseudoephedrine	166.1 -> 148...	12/21/2016 10:08 PM	4.601	1747	1.10	166.1 -> 133...	1.32	Pseudoephedrine-D3	169.1 -> 151...	4.661	424934						
Tapentadol	222.2 -> 107...	12/21/2016 10:08 PM				222.2 -> 121...		Tapentadol-D3	225.2 -> 107...	5.504	724338						
Trimipramine	295.2 -> 100...	12/21/2016 10:08 PM	6.554	407	1.12	295.2 -> 58.3	0.62	Trimipramine-D3	298.2 -> 103...	6.493	15386...						
Verapamil	455.3 -> 165...	12/21/2016 10:08 PM	6.483	27	0.55	455.3 -> 150...		Trimipramine-D3	298.2 -> 103...	6.493	15386...						
Zaleplon	306.1 -> 236...	12/21/2016 10:08 PM				306.1 -> 264...		Zaleplon-D4	310.2 -> 240...	6.287	167934						
Zopiclone	389.1 -> 244...	12/21/2016 10:08 PM				389.1 -> 216...		Zopiclone-D4	393.1 -> 244...	5.976	134980						

with drug screen

Compound Method		cal 1a		cal 1a Results			ISTD Method					
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	12/21/2016 9:20 PM	4.973	1140	8.13	328.2 -> 211...	5.32	6-MAM-D6	334.2 -> 165...	4.952	40191	
7-aminoclonazepam	286.1 -> 121...	12/21/2016 9:20 PM	5.567	22646	642.22	286.1 -> 222...	44.56	7-Aminoclonazepam-D4	290.1 -> 121...	5.566	100640	
Acetyl Fentanyl	323.2 -> 105...	12/21/2016 9:20 PM	5.827	15656	35.13	323.2 -> 188...	32.97	Acetyl Fentanyl-D5	328.2 -> 105...	5.805	911889	
Acetyl Norfentanyl	219.1 -> 84.2	12/21/2016 9:20 PM	4.906	7488	86.83	219.1 -> 56.3	116.17	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.885	389732	
a-hydroxypiprazolam	325.1 -> 297...	12/21/2016 9:20 PM	6.457	6598	62.34	325.1 -> 215...	98.79	a-hydroxypiprazolam-D5	330.1 -> 302...	6.436	26236	
alpha-PVP	232.2 -> 91.0	12/21/2016 9:20 PM	5.574	102386	777.39	232.2 -> 77.1	68.53	alpha-PVP-d8	240.2 -> 91.1	5.573	435019	
Alprazolam	309.1 -> 281...	12/21/2016 9:20 PM	6.522	46869	123.32	309.1 -> 205...	232.52	Alprazolam-D5	314.1 -> 286...	6.521	185155	
Amphetamine	136.1 -> 91.1	12/21/2016 9:20 PM	4.848	96259	44.49	136.1 -> 119...	Infinity	Amphetamine-D11	147.2 -> 130...	4.807	109902	
Bupropion	240.1 -> 184...	12/21/2016 9:20 PM	5.778	92404	79.89	240.1 -> 131...	97.85	Ketamine-D4	242.1 -> 129...	5.451	256660	
Carisoprodol	261.2 -> 176...	12/21/2016 9:20 PM	6.163	54560	Infinity	261.2 -> 55.3	54.45	Carisoprodol-D7	268.2 -> 183...	6.163	318264	
Citalopram	325.2 -> 109...	12/21/2016 9:20 PM	6.091	136469	104.23	325.2 -> 262...	180.21	Citalopram-D6	331.2 -> 109...	6.090	622278	
Clonazepam	316.1 -> 269...	12/21/2016 9:20 PM	6.398	12251	35.26	316.1 -> 213...	15.73	Clonazepam-D4	320.1 -> 217...	6.378	18058	
Codeine	300.2 -> 215...	12/21/2016 9:20 PM	4.837	7195	22.33	300.2 -> 165...	28.93	Codeine-D6	306.2 -> 218...	4.813	29183	
Cyclobenzaprine	276.2 -> 214...	12/21/2016 9:20 PM	6.365	81212	232.38	276.2 -> 231...	98.08	Cyclobenzaprine-D3	279.2 -> 215...	6.364	400614	
Dextromethorphan	272.2 -> 171...	12/21/2016 9:20 PM	6.121	42908	146.63	272.2 -> 147...	184.13	Dextromethorphan-D3	275.2 -> 171...	6.121	196547	
Dextroproprian	258.2 -> 157...	12/21/2016 9:20 PM	5.449	37019	255.80	258.2 -> 133...	298.21	Dextroproprian-D3	261.2 -> 157...	5.448	207308	
Diazepam	285.1 -> 193...	12/21/2016 9:20 PM	6.749	33533	39.42	285.1 -> 153...	54.72	Diazepam-D5	290.1 -> 199...	6.748	142603	
Dihydrocodeine	302.2 -> 198...	12/21/2016 9:20 PM	4.794	20622	64.68	302.2 -> 128...	69.79	Dihydrocodeine-D6	308.2 -> 202...	4.773	100715	
Diphenhydramine	256.2 -> 167...	12/21/2016 9:20 PM	6.063	218752	109.41	256.2 -> 152...	100.53	Diphenhydramine-D3	259.2 -> 167...	6.062	1181709	
Doxylamine	271.2 -> 182...	12/21/2016 9:20 PM	5.734	202929	74.65	271.2 -> 167...	86.17	Doxylamine-D5	276.2 -> 187...	5.733	974833	
EDDP	279.2 -> 235...	12/21/2016 9:20 PM	6.099	128093	1616.17	279.2 -> 250...	56.19	EDDP-D3	282.2 -> 235...	6.099	57330	
Fentanyl	337.2 -> 105...	12/21/2016 9:20 PM	6.028	18588	Infinity	337.2 -> 188...	84.07	Fentanyl-D5	342.3 -> 105...	6.028	816862	
Fluoxetine	310.1 -> 44.3	12/21/2016 9:20 PM	6.339	210607	Infinity	310.1 -> 148...	40.58	Fluoxetine-D6	316.2 -> 44.3	6.317	939430	
Hydrocodone	300.2 -> 198...	12/21/2016 9:20 PM	5.079	28805	25.22	300.2 -> 128...	Infinity	Hydrocodone-D6	306.2 -> 202...	5.056	158978	
Hydromorphone	286.2 -> 184...	12/21/2016 9:20 PM	4.476	20102	153.82	286.2 -> 157...	19.53	Hydromorphone-D6	292.2 -> 185...	4.475	73997	
Ketamine	238.1 -> 125...	12/21/2016 9:20 PM	5.452	62424	800.07	238.1 -> 220...	21.69	Ketamine-D4	242.1 -> 129...	5.451	256660	
Meprobamate	219.1 -> 158...	12/21/2016 9:20 PM	5.657	10310	11.93	219.1 -> 97.1	12.70	Meprobamate-D7	226.2 -> 165...	5.656	80055	
Methadone	310.2 -> 265...	12/21/2016 9:20 PM	6.399	155397	57.92	310.2 -> 105...	90.23	Methadone-D9	319.3 -> 268...	6.398	838747	
Methamphetamine	150.1 -> 91.1	12/21/2016 9:20 PM	5.008	320798	Infinity	150.1 -> 119...	11.66	Methamphetamine-D11	161.2 -> 97.1	4.988	364103	
Morphine	286.2 -> 201...	12/21/2016 9:20 PM	4.252	5659	20.78	286.2 -> 165...	26.64	Morphine-D6	292.2 -> 152...	4.230	6520	
Naloxone	328.2 -> 309...	12/21/2016 9:20 PM	4.872	21209	22.64	328.2 -> 211...	44.14	Naloxone-D5	333.2 -> 315...	4.852	99788	
Naltrexol	344.2 -> 326...	12/21/2016 9:20 PM	4.931	65283	29205.43	344.2 -> 308...	43.80	Naltrexol-D3	347.2 -> 329...	4.930	264767	
Naltrexone	342.2 -> 324...	12/21/2016 9:20 PM	4.911	32803	91.48	342.2 -> 55.3	44.42	Naloxone-D5	333.2 -> 315...	4.852	99788	
Norbuprenorphine	414.3 -> 101...	12/21/2016 9:20 PM	5.863	5856	30.61	414.3 -> 57.3	23.78	Norbuprenorphine-D3	417.3 -> 101...	5.842	27138	
Nordiazepam	271.1 -> 140...	12/21/2016 9:20 PM	6.610	16407	188.01	271.1 -> 208...	150.29	Nordiazepam-D5	276.1 -> 140...	6.609	47418	
Norfentanyl	233.2 -> 84.2	12/21/2016 9:20 PM	5.371	129480	202.92	233.2 -> 55.3	29.86	Norfentanyl-D5	238.2 -> 84.2	5.350	565935	
Norhydrocodone	286.2 -> 199...	12/21/2016 9:20 PM	5.000	3637	19.48	286.2 -> 171...	13.86	Norhydrocodone-D3	289.2 -> 202...	4.980	62160	
Noroxycodone	302.1 -> 284...	12/21/2016 9:20 PM	4.916	20937	19.80	302.1 -> 186...	51.83	Noroxycodone-D3	305.2 -> 287...	4.895	96917	
O-desmethyl-tramadol	250.2 -> 58.3	12/21/2016 9:20 PM	4.944	151008	105.42	250.2 -> 42.3	6.42	O-desmethyl-tramadol-...	256.2 -> 64.3	4.944	630878	
Oxazepam	287.1 -> 240...	12/21/2016 9:20 PM	6.443	10061	31.94	287.1 -> 268...	3.05	Oxazepam-D5	292.1 -> 246...	6.443	43040	
Oxycodone	316.2 -> 298...	12/21/2016 9:20 PM	4.954	39727	99.69	316.2 -> 241...	34.80	Oxycodone-D6	322.2 -> 304...	4.934	198771	
Oxymorphone	302.1 -> 284...	12/21/2016 9:20 PM	4.306	48851	484.45	302.1 -> 227...	68.52	Oxymorphone-D3	305.2 -> 287...	4.285	231216	
Phentermine	150.1 -> 65.2	12/21/2016 9:20 PM	5.171	25620	Infinity	150.1 -> 133...	3.11	Phentermine-D5	155.2 -> 96.2	5.150	331608	
Promethazine	285.1 -> 86.2	12/21/2016 9:20 PM	6.342	266645	1337.01	285.1 -> 71.3	113.50	Promethazine-D3	288.2 -> 89.2	6.341	1424293	
Quetiapine	384.2 -> 253...	12/21/2016 9:20 PM	6.352	196195	639.28	384.2 -> 221...	518.95	Quetiapine-D8	392.2 -> 226...	6.311	263631	
Sertraline	306.1 -> 158...	12/21/2016 9:20 PM	6.564	67019	167.26	306.1 -> 275...	967.14	Sertraline-D3	309.1 -> 275...	6.562	307939	
Sufentanil	387.2 -> 238...	12/21/2016 9:20 PM	6.311	15041	121.94	387.2 -> 111...	107.75	Sufentanil-D5	392.2 -> 238...	6.311	525537	

Multidrug Screen

Compound Method	cal 1a			cal 1a Results			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Name	Transition	RT	Resp.
Temazepam	301.1 -> 255..	12/21/2016 9:20 PM	6.585	61151	53.53	301.1 -> 283..	17.56	Temazepam-D5	306.1 -> 260..	6.584	298581
Tramadol	264.2 -> 58.3	12/21/2016 9:20 PM	5.468	181640	86.83	264.2 -> 43.3	5.82	Tramadol-13C-D3	268.2 -> 58.3	5.468	869271
Trazodone	372.2 -> 176..	12/21/2016 9:20 PM	6.333	139908	72.74	372.2 -> 148..	127.88	Sufentanil-D5	392.2 -> 238..	6.311	525537
Venlafaxine	278.2 -> 58.3	12/21/2016 9:20 PM	5.835	180652	47.71	278.2 -> 260..	38.77	Venlafaxine-D6	284.2 -> 64.3	5.834	790620
Zolpidem	308.2 -> 235..	12/21/2016 9:20 PM	6.095	139516	178.98	308.2 -> 263..	Infinity	Zolpidem-D6	314.2 -> 235..	6.073	742395



Wulfdaring  
Screen

Compound Method			cal 1b			cal 1b Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date/Time	RT	Resp.	S/N	Qualifier 1 M...	Transition	S/N	Qualifier...	Name	Transition	RT	Resp.	
7-aminoflunitrazepam	284.1 -> 135...	12/21/2016 9:29 PM	5.761	41639	59.00	284.1 -> 93.2	71.95	7-aminoflunitrazepam-D7	291.2 -> 138...	5.740	208661			
alpha-hydroxymidazolam	342.1 -> 324...	12/21/2016 9:29 PM	6.507	59995	143.48	342.1 -> 203...	1187.96	alpha-hydroxymidazolam...	346.1 -> 328...	6.507	307910			
Amitriptyline	278.2 -> 91.2	12/21/2016 9:29 PM	6.456	158582	Infinity	278.2 -> 105...	70.01	Amitriptyline-D3	281.2 -> 91.2	6.455	333780			
Amoxapine	314.1 -> 271...	12/21/2016 9:29 PM	6.408	45061	80.34	314.1 -> 193...	72.78	Amitriptyline-D3	281.2 -> 91.2	6.455	333780			
Benzoyllecgonine	290.1 -> 168...	12/21/2016 9:29 PM	5.371	181524	755.90	290.1 -> 105...	274.26	Benzoyllecgonine-D8	298.2 -> 171...	5.349	6208			
Carbamazepine	237.1 -> 193...	12/21/2016 9:29 PM	6.176	20795	93.83	237.1 -> 194...	128.70	Carbamazepine-13C6	243.1 -> 200...	6.176	970595			
Chlordiazepoxide	300.1 -> 227...	12/21/2016 9:29 PM	6.655	22043	58.40	300.1 -> 282...	26.37	Chlordiazepoxide-D5	305.1 -> 286...	6.634	190747			
Clozapine	315.2 -> 86.2	12/21/2016 9:29 PM	6.652	236212	283.86	315.2 -> 58.3	107.94	Clozapine-D3	318.2 -> 89.2	6.652	115611			
Cocaine	304.2 -> 182...	12/21/2016 9:29 PM	5.634	121663	105.28	304.2 -> 105...	36.80	Cocaine-D3	307.2 -> 185...	5.633	516623			
Desipramine	267.2 -> 107...	12/21/2016 9:29 PM	6.396	191758	132.18	267.2 -> 44.3	Infinity	Desipramine-D3	270.2 -> 75.3	6.396	934413			
Doxepin	280.2 -> 107...	12/21/2016 9:29 PM	6.191	77653	9626.81	280.2 -> 77.2	Infinity	Doxepin-D3	283.2 -> 107...	6.169	424817			
Estazolam	295.1 -> 267...	12/21/2016 9:29 PM	6.452	43659	3328.83	295.1 -> 205...	153.57	Estazolam-D5	300.1 -> 272...	6.451	208381			
Flunitrazepam	314.1 -> 268...	12/21/2016 9:29 PM	6.491	44248	75.02	314.1 -> 239...	Infinity	Flunitrazepam-D7	321.1 -> 245...	6.490	8838			
Flurazepam	388.2 -> 315...	12/21/2016 9:29 PM	6.160	101033	156.28	388.2 -> 317...	511.39	Zopiclone-D4	393.1 -> 244...	5.976	129440			
Imipramine	281.2 -> 86.2	12/21/2016 9:29 PM	6.414	279638	Infinity	281.2 -> 58.3	139.13	Imipramine-D3	284.2 -> 61.3	6.413	722284			
Levamisole	205.1 -> 91.2	12/21/2016 9:29 PM	5.020	40856	Infinity	205.1 -> 178...	Infinity	Cocaine-D3	307.2 -> 185...	5.633	516623			
Maprotiline	278.2 -> 91.2	12/21/2016 9:29 PM	6.456	158582	Infinity	278.2 -> 117...	153.02	Meperidine-D4	282.2 -> 224...	5.641	237513			
MDA	180.1 -> 163...	12/21/2016 9:29 PM	5.023	39078	Infinity	180.1 -> 105...	Infinity	MDA-D5	185.1 -> 168...	5.003	202308			
MDEA	208.1 -> 163...	12/21/2016 9:29 PM	5.282	87813	128.15	208.1 -> 105...	Infinity	MDEA-D6	214.2 -> 166...	5.282	461292			
MDMA	194.1 -> 163...	12/21/2016 9:29 PM	5.123	74496	Infinity	194.1 -> 105...	Infinity	MDMA-D6	200.2 -> 166...	5.122	40042			
Meperidine	248.2 -> 220...	12/21/2016 9:29 PM	5.642	45611	Infinity	248.2 -> 174...	Infinity	Meperidine-D4	252.2 -> 224...	5.641	237513			
Methylphenidate	234.2 -> 84.2	12/21/2016 9:29 PM	5.563	208359	122.63	234.2 -> 56.3	Infinity	Meperidine-D4	252.2 -> 224...	5.641	237513			
Metoprolol	268.2 -> 116...	12/21/2016 9:29 PM	5.475	25371	22.82	268.2 -> 56.3	Infinity	Meperidine-D4	252.2 -> 224...	5.641	237513			
Midazolam	326.1 -> 223...	12/21/2016 9:29 PM	6.631	22305	80.70	326.1 -> 249...	59.56	Midazolam-D4	330.1 -> 295...	6.630	325122			
Miltazapine	266.2 -> 195...	12/21/2016 9:29 PM	5.846	111587	160.10	266.2 -> 72.3	109.37	Midazolam-D4	330.1 -> 295...	6.630	325122			
Mirtazapine	399.2 -> 174...	12/21/2016 9:29 PM	6.159	47119	10721...	399.2 -> 238...	129.77	Carbamazepine-13C6	243.1 -> 200...	6.176	970595			
Normeperidine	234.1 -> 42.3	12/21/2016 9:29 PM	5.645	61797	797.02	234.1 -> 160...	73.91	Normeperidine-D4	238.2 -> 164...	5.644	236939			
Nonpropoxyphene	326.2 -> 44.3	12/21/2016 9:29 PM	6.264	25626	100.46	326.2 -> 252...	84.87	Nonpropoxyphene-D5	331.2 -> 44.3	6.264	115757			
Notriptyline	264.2 -> 91.2	12/21/2016 9:29 PM	6.336	273898	Infinity	264.2 -> 233...	1844.87	Notriptyline-D3	267.2 -> 233...	6.437	278584			
Ondansetron	294.2 -> 184...	12/21/2016 9:29 PM	5.820	68017	201.67	294.2 -> 212...	119.22	Pentazocine-13C3	289.2 -> 72.3	5.699	368611			
Pentazocine	286.2 -> 218...	12/21/2016 9:29 PM	5.700	93256	690.43	286.2 -> 41.3	Infinity	Pentazocine-13C3	289.2 -> 72.3	5.699	368611			
Phenazepam	349.0 -> 206...	12/21/2016 9:29 PM	6.567	32158	79.37	349.0 -> 183...	84.90	Phenazepam-D4	355.0 -> 183...	6.566	11252			
Phencyclidine	244.2 -> 86.2	12/21/2016 9:29 PM	5.951	142688	Infinity	244.2 -> 91.1	Infinity	Phencyclidine-D5	249.2 -> 86.2	5.930	724003			
Phenylethylamine	283.1 -> 104...	12/21/2016 9:29 PM	6.099	2319	4.79	253.1 -> 182...	93.76	Phenylethylamine-D10	263.2 -> 192...	6.072	10253			
Prazepam	325.1 -> 271...	12/21/2016 9:29 PM	6.996	134006	461.79	325.1 -> 140...	5874.64	Prazepam-D5	330.1 -> 276...	6.994	618463			
Primidone	219.1 -> 91.2	12/21/2016 9:29 PM	5.463	6274	Infinity	219.1 -> 162...	25.54	Prazepam-D5	330.1 -> 276...	6.994	618463			
Propoxyphene	340.2 -> 58.3	12/21/2016 9:29 PM	6.283	173236	107.34	340.2 -> 266...	296.78	Propoxyphene-D11	351.3 -> 277...	6.262	199061			
Protriptyline	264.2 -> 155...	12/21/2016 9:29 PM	6.336	459500	Infinity	264.2 -> 161...	3.39	Protriptyline-D3	267.2 -> 155...	6.335	273555			
Pseudoephedrine	166.1 -> 148...	12/21/2016 9:29 PM	4.662	875168	Infinity	166.1 -> 133...	184.21	Pseudoephedrine-D3	169.1 -> 151...	4.661	408880			
Tapentadol	222.2 -> 107...	12/21/2016 9:29 PM	5.504	131793	78.35	222.2 -> 121...	Infinity	Tapentadol-D3	225.2 -> 107...	5.483	670806			
Trimipramine	295.2 -> 100...	12/21/2016 9:29 PM	6.493	292280	284.19	295.2 -> 58.3	37896...	Trimipramine-D3	298.2 -> 103...	6.493	139611			
Verapamil	455.3 -> 165...	12/21/2016 9:29 PM	6.219	156188	24007...	455.3 -> 150...	312.59	Trimipramine-D3	298.2 -> 103...	6.493	139611			
Zaleplon	306.1 -> 236...	12/21/2016 9:29 PM	6.287	37827	304.83	306.1 -> 264...	87.54	Zaleplon-D4	310.2 -> 240...	6.287	146269			
Zopiclone	389.1 -> 244...	12/21/2016 9:29 PM	5.997	28806	75.78	389.1 -> 216...	3653.77	Zopiclone-D4	393.1 -> 244...	5.976	129440			

not  
evaluated  
3x

28

Multi drug screen - end of run

Compound Method			p1 cal 1a			p1 cal 1a Results			Qualifier 1 M...			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	Qualifi...	S/N	Name	Transition	RT	Resp.					
6-MAM	328.2 -> 165...	12/22/2016 7:02 AM	4.973	1380	14.85	328.2 -> 211...	5.29	6-MAM-D6	334.2 -> 165...	4.952	35670						
7-Aminoclonazepam	286.1 -> 121...	12/22/2016 7:02 AM	5.567	18028	61.27	286.1 -> 222...	72.92	7-Aminoclonazepam-D4	290.1 -> 121...	5.566	73950						
Acetyl Fentanyl	323.2 -> 105...	12/22/2016 7:02 AM	5.827	14774	272.57	323.2 -> 188...	35.41	Acetyl Fentanyl-D5	328.2 -> 105...	5.826	860800						
Acetyl Norfentanyl	219.1 -> 84.2	12/22/2016 7:02 AM	4.926	7319	36.85	219.1 -> 56.3	18.55	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.906	348655						
a-hydroxyalprazolam	325.1 -> 297...	12/22/2016 7:02 AM	6.437	4900	34.10	325.1 -> 215...	33.47	a-hydroxyalprazolam-D5	330.1 -> 302...	6.436	20965						
alpha-PVP	232.2 -> 91.0	12/22/2016 7:02 AM	5.574	101434	535.92	232.2 -> 77.1	81.23	alpha-PVP-d8	240.2 -> 91.1	5.573	403606						
Alprazolam	309.1 -> 281...	12/22/2016 7:02 AM	6.522	40360	52362.92	309.1 -> 205...	181.70	Alprazolam-D5	314.1 -> 286...	6.521	146464						
Amphetamine	136.1 -> 91.1	12/22/2016 7:02 AM	4.868	74987	17.11	136.1 -> 119...	62.62	Amphetamine-D11	147.2 -> 130...	4.828	83628						
Bupropion	240.1 -> 184...	12/22/2016 7:02 AM	5.778	87457	Infinity	240.1 -> 131...	67500...	Ketamine-D4	242.1 -> 129...	5.451	233445						
Carisoprodol	261.2 -> 176...	12/22/2016 7:02 AM	6.163	45846	118.50	261.2 -> 55.3	40.74	Carisoprodol-D7	268.2 -> 183...	6.163	246374						
Citalopram	325.2 -> 109...	12/22/2016 7:02 AM	6.091	128534	77.82	325.2 -> 262...	8665...	Citalopram-D6	331.2 -> 109...	6.090	578027						
Clonazepam	316.1 -> 269...	12/22/2016 7:02 AM	6.398	9347	119.63	316.1 -> 213...	19.22	Clonazepam-D4	320.1 -> 217...	6.378	27988						
Codeine	300.2 -> 215...	12/22/2016 7:02 AM	4.857	7403	31.24	300.2 -> 165...	17.71	Codeine-D6	306.2 -> 218...	4.834	12998						
Cyclobenzaprine	276.2 -> 214...	12/22/2016 7:02 AM	6.385	75376	305.32	276.2 -> 231...	52.33	Cyclobenzaprine-D3	279.2 -> 215...	6.384	347837						
Dextromethorphan	272.2 -> 171...	12/22/2016 7:02 AM	6.141	35225	133.91	272.2 -> 147...	75.48	Dextromethorphan-D3	275.2 -> 171...	6.121	174680						
Dextroproprian	258.2 -> 157...	12/22/2016 7:02 AM	5.449	35051	692.91	258.2 -> 133...	91.05	Dextroproprian-D3	261.2 -> 157...	5.448	187048						
Diazepam	285.1 -> 193...	12/22/2016 7:02 AM	6.749	27533	26.66	285.1 -> 153...	40.11	Diazepam-D5	290.1 -> 198...	6.748	122497						
Dihydrocodeine	302.2 -> 198...	12/22/2016 7:02 AM	4.794	18486	38.57	302.2 -> 128...	133.00	Dihydrocodeine-D6	308.2 -> 202...	4.773	95318						
Diphenhydramine	256.2 -> 167...	12/22/2016 7:02 AM	6.063	204101	222.15	256.2 -> 152...	67.70	Diphenhydramine-D3	259.2 -> 167...	6.062	11335...						
Doxylamine	271.2 -> 182...	12/22/2016 7:02 AM	5.754	182853	56.66	271.2 -> 167...	73.06	Doxylamine-D5	276.2 -> 187...	5.733	870535						
EDDP	279.2 -> 235...	12/22/2016 7:02 AM	6.119	125063	85.32	279.2 -> 250...	162.32	EDDP-D3	282.2 -> 235...	6.119	50781						
Fentanyl	337.2 -> 105...	12/22/2016 7:02 AM	6.049	16458	34.56	337.2 -> 188...	103.58	Fentanyl-D5	342.3 -> 105...	6.028	785194						
Fluoxetine	310.1 -> 44.3	12/22/2016 7:02 AM	6.339	192047	407.74	310.1 -> 148...	57.17	Fluoxetine-D6	316.2 -> 44.3	6.337	872432						
Hydrocodone	300.2 -> 198...	12/22/2016 7:02 AM	5.079	23910	Infinity	300.2 -> 128...	Infinity	Hydrocodone-D6	306.2 -> 202...	5.056	137860						
Hydromorphone	286.2 -> 184...	12/22/2016 7:02 AM	4.496	16627	7272.05	286.2 -> 157...	18.26	Hydromorphone-D6	292.2 -> 185...	4.495	65327						
Ketamine	238.1 -> 125...	12/22/2016 7:02 AM	5.472	62356	23714.17	238.1 -> 220...	20.83	Ketamine-D4	242.1 -> 129...	5.451	233445						
Meprobamate	219.1 -> 158...	12/22/2016 7:02 AM	5.657	11070	22.48	219.1 -> 97.1	16.57	Meprobamate-D7	226.2 -> 165...	5.636	66587						
Methadone	310.2 -> 265...	12/22/2016 7:02 AM	6.420	137302	50.20	310.2 -> 105...	45.16	Methadone-D9	319.3 -> 268...	6.398	722452						
Methamphetamine	150.1 -> 91.1	12/22/2016 7:02 AM	5.029	310493	4.23	150.1 -> 119...	Infinity	Methamphetamine-D11	161.2 -> 97.1	4.988	281348						
Morphine	286.2 -> 201...	12/22/2016 7:02 AM	4.273	5374	15.28	286.2 -> 165...	94.33	Morphine-D6	292.2 -> 152...	4.250	4645						
Naloxone	328.2 -> 309...	12/22/2016 7:02 AM	4.892	15948	34.04	328.2 -> 211...	Infinity	Naloxone-D5	333.2 -> 315...	4.852	102711						
Naltrexol	344.2 -> 326...	12/22/2016 7:02 AM	4.931	63354	103.00	344.2 -> 308...	93.34	Naltrexol-D3	347.2 -> 329...	4.930	218810						
Naltrexone	342.2 -> 324...	12/22/2016 7:02 AM	4.911	24770	48.47	342.2 -> 55.3	45.36	Naltrexone-D5	333.2 -> 315...	4.852	102711						
Norbuprenorphine	414.3 -> 101...	12/22/2016 7:02 AM	5.863	5078	76.75	414.3 -> 57.3	11.85	Norbuprenorphine-D3	417.3 -> 101...	5.863	21387						
Nordiazepam	271.1 -> 140...	12/22/2016 7:02 AM	6.610	11677	44.62	271.1 -> 208...	38.61	Nordiazepam-D5	276.1 -> 140...	6.610	33648						
Norfentanyl	233.2 -> 84.2	12/22/2016 7:02 AM	5.371	125831	310.97	233.2 -> 55.3	44.04	Norfentanyl-D5	238.2 -> 84.2	5.370	541474						
Norhydrocodone	286.2 -> 199...	12/22/2016 7:02 AM	5.000	2409	7.15	286.2 -> 171...	238.65	Norhydrocodone-D3	289.2 -> 202...	4.980	47281						
Noroxycodone	302.1 -> 284...	12/22/2016 7:02 AM	4.936	17688	17.06	302.1 -> 186...	33.80	Noroxycodone-D3	305.2 -> 287...	4.915	80813						
O-desmethyl-tramadol	250.2 -> 58.3	12/22/2016 7:02 AM	4.944	146278	122.74	250.2 -> 42.3	5.41	O-desmethyl-tramadol-...	256.2 -> 64.3	4.944	618711						
Oxazepam	287.1 -> 240...	12/22/2016 7:02 AM	6.443	8194	12.88	287.1 -> 268...	Infinity	Oxazepam-D5	292.1 -> 246...	6.443	36814						
Oxycodone	316.2 -> 298...	12/22/2016 7:02 AM	4.954	33773	57.99	316.2 -> 241...	123.93	Oxycodone-D6	322.2 -> 304...	4.954	171608						
Oxymorphone	302.1 -> 284...	12/22/2016 7:02 AM	4.306	41339	1139.42	302.1 -> 227...	35.23	Oxymorphone-D3	305.2 -> 287...	4.305	194368						
Phentermine	150.1 -> 65.2	12/22/2016 7:02 AM	5.171	29769	Infinity	150.1 -> 133...	0.83	Phentermine-D5	155.2 -> 96.2	5.150	275188						
Promethazine	285.1 -> 86.2	12/22/2016 7:02 AM	6.362	237023	4663.40	285.1 -> 71.3	59.60	Promethazine-D3	288.2 -> 89.2	6.362	12933...						
Quetiapine	384.2 -> 253...	12/22/2016 7:02 AM	6.352	173520	312.47	384.2 -> 221...	443.80	Quetiapine-D8	392.2 -> 226...	6.331	228440						
Serrraline	306.1 -> 158...	12/22/2016 7:02 AM	6.584	54944	81.36	306.1 -> 275...	494.59	Serrraline-D3	309.1 -> 275...	6.583	242722						
Sufentanil	387.2 -> 238...	12/22/2016 7:02 AM	6.311	11310	2160.19	387.2 -> 111...	92.48	Sufentanil-D5	392.2 -> 238...	6.311	470733						

Multistandard Screen - end of run

Compound Method	p1 cal 1a			p1 cal 1a Results			ISTD Method				
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	Qualifi...	Name	Transition	RT	Resp.
Temazepam	301.1 -> 255..	12/22/2016 7:02 AM	6.585	53687	60.83	301.1 -> 283...	3.94	Temazepam-D5	306.1 -> 260...	6.584	262419
Tramadol	264.2 -> 58.3	12/22/2016 7:02 AM	5.468	188928	84.51	264.2 -> 43.3	12.12	Tramadol-13C-D3	268.2 -> 58.3	5.468	846633
Trazodone	372.2 -> 176..	12/22/2016 7:02 AM	6.353	161891	47.93	372.2 -> 148...	39.25	Sufentanil-D5	392.2 -> 238...	6.311	470733
Venlafaxine	278.2 -> 58.3	12/22/2016 7:02 AM	5.835	166704	152.96	278.2 -> 260...	29.91	Venlafaxine-D6	284.2 -> 64.3	5.834	741737
Zolpidem	308.2 -> 235..	12/22/2016 7:02 AM	6.095	129909	112.25	308.2 -> 263...	7457...	Zolpidem-D6	314.2 -> 235...	6.093	670038

*Multi drug*

*Screen - end of run*

Compound Method			p2 cal 1b			p2 cal 1b Results			ISTD Method			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	12/22/2016 7:11 AM	5.761	31786	8460.91	284.1 -> 93.2	119.05	7-aminoflunitrazepam-D7	291.2 -> 138...	5.740	159294	
alpha-hydroxymidazolam	342.1 -> 324...	12/22/2016 7:11 AM	6.507	52866	160.78	342.1 -> 203...	201.49	alpha-hydroxymidazolam--	346.1 -> 328...	6.507	257320	
Amiripryline	278.2 -> 91.2	12/22/2016 7:11 AM	6.456	157047	Infinity	278.2 -> 105...	Infinity	Amiripryline-D3	281.2 -> 91.2	6.455	322756	
Amoxapine	314.1 -> 271...	12/22/2016 7:11 AM	6.429	37856	6484.45	314.1 -> 193...	50.70	Amiripryline-D3	281.2 -> 91.2	6.455	322756	
Benzoylcegonine	290.1 -> 168...	12/22/2016 7:11 AM	5.371	12365	1293.91	290.1 -> 105...	Infinity	Benzoylcegonine-D8	298.2 -> 171...	5.349	4370	
Carbamazepine	237.1 -> 193...	12/22/2016 7:11 AM	6.176	22214	Infinity	237.1 -> 194...	Infinity	Carbamazepine-13C6	243.1 -> 200...	6.176	903720	
Chloralazepoxide	300.1 -> 227...	12/22/2016 7:11 AM	6.655	18014	108.49	300.1 -> 282...	27.81	Chloralazepoxide-D5	305.1 -> 286...	6.634	162085	
Clonipramine	315.2 -> 86.2	12/22/2016 7:11 AM	6.652	223884	168.68	315.2 -> 58.3	Infinity	Clonipramine-D3	318.2 -> 89.2	6.652	11363...	
Cocaine	304.2 -> 182...	12/22/2016 7:11 AM	5.634	112503	Infinity	304.2 -> 105...	Infinity	Cocaine-D3	307.2 -> 185...	5.633	471478	
Desipramine	267.2 -> 72.3	12/22/2016 7:11 AM	6.396	187352	Infinity	267.2 -> 44.3	Infinity	Desipramine-D3	270.2 -> 75.3	6.396	884001	
Doxepin	280.2 -> 107...	12/22/2016 7:11 AM	6.191	82828	772.86	280.2 -> 77.2	Infinity	Doxepin-D3	283.2 -> 107...	6.190	397433	
Estazolam	295.1 -> 267...	12/22/2016 7:11 AM	6.452	42474	434.68	295.1 -> 205...	140.07	Estazolam-D5	300.1 -> 272...	6.451	185426	
Flunitrazepam	314.1 -> 268...	12/22/2016 7:11 AM	6.160	36109	79.58	314.1 -> 239...	83.33	Flunitrazepam-D7	321.1 -> 245...	6.490	6918	
Flurazepam	388.2 -> 315...	12/22/2016 7:11 AM	6.435	266298	460.51	388.2 -> 317...	289.25	Zopiclone-D4	393.1 -> 244...	5.997	127958	
Imipramine	281.2 -> 86.2	12/22/2016 7:11 AM	6.435	37863	220.92	281.2 -> 58.3	126.58	Imipramine-D3	284.2 -> 61.3	6.434	709704	
Levamisole	205.1 -> 91.2	12/22/2016 7:11 AM	5.020	157047	Infinity	205.1 -> 178...	34.53	Cocaine-D3	307.2 -> 185...	5.633	471478	
Maprotiline	278.2 -> 91.2	12/22/2016 7:11 AM	6.456	32560	Infinity	278.2 -> 117...	204.65	Meperidine-D4	252.2 -> 224...	5.663	215763	
MDA	180.1 -> 163...	12/22/2016 7:11 AM	5.023	86514	47.94	180.1 -> 105...	82.75	MDA-D5	185.1 -> 168...	5.023	163872	
MDEA	208.1 -> 163...	12/22/2016 7:11 AM	5.282	64233	Infinity	208.1 -> 105...	Infinity	MDEA-D6	214.2 -> 166...	5.282	414243	
MDMA	194.1 -> 163...	12/22/2016 7:11 AM	5.143	41671	305.72	194.1 -> 105...	Infinity	MDMA-D6	200.2 -> 166...	5.122	37795	
Meperidine	248.2 -> 220...	12/22/2016 7:11 AM	5.664	204448	Infinity	248.2 -> 174...	Infinity	Meperidine-D4	252.2 -> 224...	5.663	215763	
Methylphenidate	234.2 -> 84.2	12/22/2016 7:11 AM	5.563	23661	38.53	234.2 -> 56.3	11094...	Meperidine-D4	252.2 -> 224...	5.663	215763	
Metoprolol	268.2 -> 116...	12/22/2016 7:11 AM	5.495	17301	3799.15	268.2 -> 249...	4195.65	Midazolam-D4	330.1 -> 295...	6.630	303335	
Midazolam	326.1 -> 223...	12/22/2016 7:11 AM	6.631	110620	133.37	266.2 -> 72.3	201.30	Midazolam-D4	330.1 -> 295...	6.630	303335	
Mirtazapine	266.2 -> 195...	12/22/2016 7:11 AM	5.867	40038	7735.53	266.2 -> 238...	55.54	Carbamazepine-13C6	243.1 -> 200...	6.176	903720	
Mirtazapine	399.2 -> 174...	12/22/2016 7:11 AM	6.159	56731	97.74	399.2 -> 238...	27056...	Normeperidine-D4	238.2 -> 164...	5.644	214842	
Normeperidine	234.1 -> 42.3	12/22/2016 7:11 AM	5.667	18202	67.21	326.2 -> 252...	1362.66	Normeperidine-D5	331.2 -> 44.3	6.264	77865	
Normpropoxyphene	326.2 -> 44.3	12/22/2016 7:11 AM	6.284	268125	167.48	264.2 -> 233...	1111.30	Notriptyline-D3	267.2 -> 233...	6.437	242925	
Notriptyline	264.2 -> 91.2	12/22/2016 7:11 AM	6.357	63724	128.96	294.2 -> 212...	95.43	Pentazocine-13C3	289.2 -> 72.3	5.720	320130	
Ondansetron	294.2 -> 184...	12/22/2016 7:11 AM	5.841	82230	40102...	286.2 -> 41.3	Infinity	Pentazocine-13C3	289.2 -> 72.3	5.720	320130	
Pentazocine	286.2 -> 218...	12/22/2016 7:11 AM	5.720	27735	248.93	286.2 -> 183...	262.62	Phenazepam-D4	353.0 -> 183...	6.566	9919	
Phenazepam	349.0 -> 206...	12/22/2016 7:11 AM	6.567	133271	73.85	349.0 -> 183...	Infinity	Phenazepam-D4	249.2 -> 86.2	5.950	682606	
Phenazepam	244.2 -> 86.2	12/22/2016 7:11 AM	5.951	2126	3.81	244.2 -> 91.1	23.78	Phenazepam-D4	263.2 -> 192...	6.072	11563	
Phencyclidine	253.1 -> 104...	12/22/2016 7:11 AM	6.093	121765	367.92	253.1 -> 182...	1764.83	Phencyclidine-D5	330.1 -> 276...	6.994	523459	
Phenylethanolamine	325.1 -> 271...	12/22/2016 7:11 AM	6.996	5799	Infinity	325.1 -> 140...	23.46	Phenylethanolamine-D5	330.1 -> 276...	6.994	523459	
Primaprone	219.1 -> 91.2	12/22/2016 7:11 AM	5.443	162733	113.94	219.1 -> 162...	131.55	Propoxyphene-D11	351.3 -> 277...	6.282	168746	
Propoxyphene	340.2 -> 58.3	12/22/2016 7:11 AM	6.283	428942	7815.13	340.2 -> 266...	0.48	Propoxyphene-D3	267.2 -> 155...	6.355	246520	
Protriptyline	264.2 -> 155...	12/22/2016 7:11 AM	6.357	183.37	166.1 -> 161...	264.2 -> 161...	262.41	Pseudoephedrine-D3	169.1 -> 151...	4.661	335827	
Pseudoephedrine	166.1 -> 148...	12/22/2016 7:11 AM	4.662	714288	183.37	166.1 -> 133...	Infinity	Pseudoephedrine-D3	225.2 -> 107...	5.504	622759	
Tapentadol	222.2 -> 107...	12/22/2016 7:11 AM	5.504	296598	1435.54	222.2 -> 121...	643.49	Tapentadol-D3	298.2 -> 103...	6.493	13379...	
Trimipramine	295.2 -> 100...	12/22/2016 7:11 AM	6.493	140713	Infinity	295.2 -> 58.3	7103.26	Trimipramine-D3	298.2 -> 103...	6.493	13379...	
Verapamil	455.3 -> 165...	12/22/2016 7:11 AM	6.219	10599...	306.1 -> 264...	455.3 -> 150...	72.84	Verapamil-D4	310.2 -> 240...	6.287	144345	
Zaleplon	306.1 -> 236...	12/22/2016 7:11 AM	6.287	28490	32.80	306.1 -> 216...	6000.88	Zopiclone-D4	393.1 -> 244...	5.997	127958	
Zopiclone	389.1 -> 244...	12/22/2016 7:11 AM	5.997	32.80	389.1 -> 216...	216...	6000.88	Zopiclone-D4	393.1 -> 244...	5.997	127958	

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Compound Method	Transition	p1 external control a	p1 external control a	Resu...	Qualifier 1 M...	Qualifier...	ISTD Method	Transition	ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	S/N	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	12/21/2016 9:39 PM	4.953	13	0.73	328.2 -> 211...	6-MAM-D6	334.2 -> 165...	4.952	38744
7-aminoclonazepam	286.1 -> 121...	12/21/2016 9:39 PM	5.304	19	0.30	286.1 -> 222...	7-Aminoclonazepam-D4	290.1 -> 121...	5.566	89367
Acetyl Fentanyl	323.2 -> 105...	12/21/2016 9:39 PM	6.214	89	0.32	323.2 -> 188...	Acetyl Fentanyl-D5	328.2 -> 105...	5.805	899172
Acetyl Norfentanyl	219.1 -> 84.2	12/21/2016 9:39 PM	4.966	157	0.47	219.1 -> 56.3	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.906	397149
a-hydroxylprazolam	325.1 -> 297...	12/21/2016 9:39 PM	6.518	46	0.39	325.1 -> 215...	a-hydroxylprazolam-D5	330.1 -> 302...	6.436	27223
alpha-PVP	232.2 -> 91.0	12/21/2016 9:39 PM	5.759	130	0.43	232.2 -> 77.1	alpha-PVP-d8	240.2 -> 91.1	5.573	431140
Alprazolam	309.1 -> 281...	12/21/2016 9:39 PM	6.643	255	3.04	309.1 -> 205...	Alprazolam-D5	314.1 -> 286...	6.521	180065
Amphetamine	136.1 -> 91.1	12/21/2016 9:39 PM			136.1 -> 119...		Amphetamine-D11	147.2 -> 130...	4.807	91231
Bupropion	240.1 -> 184...	12/21/2016 9:39 PM	5.798	86	0.57	240.1 -> 131...	Ketamine-D4	242.1 -> 129...	5.451	259943
Carisoprodol	261.2 -> 176...	12/21/2016 9:39 PM	6.082	34	0.34	261.2 -> 55.3	Carisoprodol-D7	268.2 -> 183...	6.163	317561
Citalopram	325.2 -> 109...	12/21/2016 9:39 PM	6.274	350	0.44	325.2 -> 262...	Citalopram-D6	331.2 -> 109...	6.090	596412
Clonazepam	316.1 -> 269...	12/21/2016 9:39 PM	6.296	33	0.27	316.1 -> 213...	Clonazepam-D4	320.1 -> 217...	6.378	196220
Codeine	300.2 -> 215...	12/21/2016 9:39 PM	5.059	9206	27.58	300.2 -> 165...	Codeine-D6	306.2 -> 218...	4.834	31872
Cyclobenzaprine	276.2 -> 214...	12/21/2016 9:39 PM	6.385	95	0.87	276.2 -> 231...	Cyclobenzaprine-D3	279.2 -> 215...	6.364	402656
Dextromethorphan	272.2 -> 171...	12/21/2016 9:39 PM	6.121	432875	1399.19	272.2 -> 147...	Dextromethorphan-D3	275.2 -> 171...	6.121	190854
Dextroproprian	258.2 -> 157...	12/21/2016 9:39 PM	5.449	39	0.37	258.2 -> 133...	Dextroproprian-D3	261.2 -> 157...	5.448	198308
Diazepam	285.1 -> 193...	12/21/2016 9:39 PM	6.911	264	0.47	285.1 -> 153...	Diazepam-D5	290.1 -> 198...	6.748	154572
Dihydrocodeine	302.2 -> 198...	12/21/2016 9:39 PM	5.077	965	7.42	302.2 -> 128...	Dihydrocodeine-D6	308.2 -> 202...	4.773	109707
Diphenhydramine	256.2 -> 167...	12/21/2016 9:39 PM	6.043	591	0.52	256.2 -> 152...	Diphenhydramine-D3	259.2 -> 167...	6.062	114911
Doxylamine	271.2 -> 182...	12/21/2016 9:39 PM	5.734	20388...	1266.09	271.2 -> 167...	Doxylamine-D5	276.2 -> 187...	5.733	932835
EDDP	279.2 -> 235...	12/21/2016 9:39 PM	6.078	87	0.51	279.2 -> 250...	EDDP-D3	282.2 -> 235...	6.119	46630
Fentanyl	337.2 -> 105...	12/21/2016 9:39 PM	6.049	37	0.36	337.2 -> 188...	Fentanyl-D5	342.3 -> 105...	6.028	839910
Fluoxetine	310.1 -> 44.3	12/21/2016 9:39 PM	6.318	460	1.19	310.1 -> 148...	Fluoxetine-D6	316.2 -> 44.3	6.337	936862
Hydrocodone	300.2 -> 198...	12/21/2016 9:39 PM	5.079	295225	Infinity	300.2 -> 128...	Hydrocodone-D6	306.2 -> 202...	5.056	156300
Hydromorphone	286.2 -> 184...	12/21/2016 9:39 PM			286.2 -> 157...		Hydromorphone-D6	292.2 -> 185...	4.475	72378
Ketamine	238.1 -> 125...	12/21/2016 9:39 PM	5.370	545	1.97	238.1 -> 220...	Ketamine-D4	242.1 -> 129...	5.451	259943
Meprobamate	219.1 -> 158...	12/21/2016 9:39 PM	5.698	284	0.59	219.1 -> 97.1	Meprobamate-D7	226.2 -> 165...	5.656	76323
Methadone	310.2 -> 265...	12/21/2016 9:39 PM	6.501	2108	1.01	310.2 -> 105...	Methadone-D9	319.3 -> 268...	6.398	802293
Methamphetamine	150.1 -> 91.1	12/21/2016 9:39 PM	5.069	261981	Infinity	150.1 -> 119...	Methamphetamine-D11	161.2 -> 97.1	4.988	298851
Morphine	286.2 -> 201...	12/21/2016 9:39 PM	4.273	55735	82.35	286.2 -> 165...	Morphine-D6	292.2 -> 152...	4.230	6114
Naloxone	328.2 -> 309...	12/21/2016 9:39 PM	5.257	809	0.63	328.2 -> 211...	Naloxone-D5	333.2 -> 315...	4.852	120506
Naltrexol	344.2 -> 324...	12/21/2016 9:39 PM	4.891	3886	12.47	344.2 -> 308...	Naltrexol-D3	347.2 -> 329...	4.930	259294
Naltrexone	412.2 -> 324...	12/21/2016 9:39 PM	4.972	184	1.37	412.2 -> 55.3	Naloxone-D5	333.2 -> 315...	4.852	120506
Norbuprenorphine	414.3 -> 101...	12/21/2016 9:39 PM	6.269	43	13.02	414.3 -> 57.3	Norbuprenorphine-D3	417.3 -> 101...	5.842	24608
Nordiazepam	271.1 -> 140...	12/21/2016 9:39 PM	6.489	187	0.47	271.1 -> 208...	Nordiazepam-D5	276.1 -> 140...	6.609	50870
Norfentanyl	232.2 -> 84.2	12/21/2016 9:39 PM	5.350	194	1.00	232.2 -> 55.3	Norfentanyl-D5	238.2 -> 84.2	5.370	570250
Norhydrocodone	286.2 -> 199...	12/21/2016 9:39 PM	4.879	40	0.82	286.2 -> 171...	Norhydrocodone-D3	289.2 -> 202...	4.980	56825
Noroxycodone	302.1 -> 284...	12/21/2016 9:39 PM	4.997	975	1.31	302.1 -> 186...	Noroxycodone-D3	305.2 -> 287...	4.915	94256
O-desmethyltramadol	250.2 -> 58.3	12/21/2016 9:39 PM	4.924	880	1.10	250.2 -> 42.3	O-desmethyltramadol...	256.2 -> 64.3	4.944	640687
Oxazepam	287.1 -> 240...	12/21/2016 9:39 PM	6.524	360	1.86	287.1 -> 268...	Oxazepam-D5	292.1 -> 246...	6.443	43495
Oxycodone	316.2 -> 298...	12/21/2016 9:39 PM	4.894	471	1.18	316.2 -> 241...	Oxycodone-D6	322.2 -> 304...	4.934	193524
Oxymorphone	302.1 -> 284...	12/21/2016 9:39 PM	4.267	937	2.21	302.1 -> 227...	Oxymorphone-D3	305.2 -> 287...	4.305	211414
Phentemine	150.1 -> 65.2	12/21/2016 9:39 PM	5.069	46420	2.44	150.1 -> 133...	Phentemine-D5	155.2 -> 96.2	5.150	291412
Promethazine	285.1 -> 86.2	12/21/2016 9:39 PM	6.342	539	0.52	285.1 -> 71.3	Promethazine-D3	288.2 -> 89.2	6.341	14046...
Quetiapine	384.2 -> 253...	12/21/2016 9:39 PM	6.332	418	0.81	384.2 -> 221...	Quetiapine-D8	392.2 -> 226...	6.311	256052
Sertraline	306.1 -> 158...	12/21/2016 9:39 PM	6.867	268	0.32	306.1 -> 275...	Sertraline-D3	309.1 -> 275...	6.562	303460
Sufentanil	387.2 -> 238...	12/21/2016 9:39 PM	6.311	976	9.47	387.2 -> 111...	Sufentanil-D5	392.2 -> 238...	6.311	540946



Compound Method			p2 external control			p2 external control Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Qualifier 1 M...	S/N	Qualifier...	Name	Transition	RT	Resp.		
7-aminoflunitrazepam	284.1 -> 135...	12/21/2016 9:49 PM	5.842	861	14.46	284.1 -> 93.2	2.34		7-aminoflunitrazepam-D7	291.2 -> 138...	5.740	165880		
alpha-hydroxymidazolam	342.1 -> 324...	12/21/2016 9:49 PM				342.1 -> 203...			alpha-hydroxymidazolam-...	346.1 -> 328...	6.507	321896		
Amiripryline	278.2 -> 91.2	12/21/2016 9:49 PM	6.273	1495	1.37	278.2 -> 105...	0.61		Amiripryline-D3	281.2 -> 91.2	6.455	342799		
Amoxapine	314.1 -> 271...	12/21/2016 9:49 PM	6.531	579	2.27	314.1 -> 193...	26.69		Amiripryline-D3	281.2 -> 91.2	6.455	342799		
Benzoylcegonine	290.1 -> 168...	12/21/2016 9:49 PM	5.431	17	0.94	290.1 -> 105...	0.40		Benzoylcegonine-D8	298.2 -> 171...	5.349	5383		
Carbamazepine	237.1 -> 193...	12/21/2016 9:49 PM	6.156	188	0.75	237.1 -> 194...			Carbamazepine-13C6	243.1 -> 200...	6.176	10111...		
Chlordiazepoxide	300.1 -> 227...	12/21/2016 9:49 PM	6.695	208	5.42	300.1 -> 282...			Chlordiazepoxide-D5	305.1 -> 286...	6.634	209592		
Clomipramine	315.2 -> 86.2	12/21/2016 9:49 PM	6.673	49	0.45	315.2 -> 58.3			Clomipramine-D3	318.2 -> 89.2	6.652	11893...		
Cocaine	304.2 -> 182...	12/21/2016 9:49 PM	5.614	1005	0.58	304.2 -> 105...	1.28		Cocaine-D3	307.2 -> 185...	5.633	492313		
Desipramine	267.2 -> 72.3	12/21/2016 9:49 PM	6.396	1431	20.61	267.2 -> 44.3	Infini...		Desipramine-D3	270.2 -> 75.3	6.396	940190		
Doxepin	280.2 -> 107...	12/21/2016 9:49 PM	6.170	198	1.31	280.2 -> 77.2	0.20		Doxepin-D3	283.2 -> 107...	6.169	419865		
Estazolam	295.1 -> 267...	12/21/2016 9:49 PM				295.1 -> 205...			Estazolam-D5	300.1 -> 272...	6.451	207078		
Flunitrazepam	314.1 -> 268...	12/21/2016 9:49 PM	6.531	1014	1.94	314.1 -> 239...	0.53		Flunitrazepam-D7	321.1 -> 245...	6.490	9295		
Flurazepam	388.2 -> 315...	12/21/2016 9:49 PM	6.160	66	0.76	388.2 -> 317...	0.42		Zopiclone-D4	393.1 -> 244...	5.976	131220		
Imipramine	281.2 -> 86.2	12/21/2016 9:49 PM	6.475	1753	19.00	281.2 -> 58.3	0.72		Imipramine-D3	284.2 -> 61.3	6.413	725799		
Levamisole	205.1 -> 91.2	12/21/2016 9:49 PM				205.1 -> 178...			Cocaine-D3	307.2 -> 185...	5.633	492313		
Maprotiline	278.2 -> 91.2	12/21/2016 9:49 PM	6.273	1495	1.37	278.2 -> 117...	0.20		Mepertidine-D4	252.2 -> 224...	5.641	236170		
MDA	180.1 -> 163...	12/21/2016 9:49 PM				180.1 -> 105...			MDA-D5	185.1 -> 168...	5.003	191726		
MDEA	208.1 -> 163...	12/21/2016 9:49 PM	5.363	297	0.98	208.1 -> 105...	Infini...		MDEA-D6	214.2 -> 166...	5.282	462353		
MDMA	194.1 -> 163...	12/21/2016 9:49 PM	5.183	101	0.16	194.1 -> 105...			MDMA-D6	200.2 -> 166...	5.122	39235		
Mepertidine	248.2 -> 220...	12/21/2016 9:49 PM	5.642	485516	755.29	248.2 -> 174...	Infini...		Mepertidine-D4	252.2 -> 224...	5.641	236170		
Methylphenidate	234.2 -> 84.2	12/21/2016 9:49 PM				234.2 -> 56.3			Mepertidine-D4	252.2 -> 224...	5.641	236170		
Metoprolol	268.2 -> 116...	12/21/2016 9:49 PM	5.743	48	0.54	268.2 -> 56.3	0.28		Mepertidine-D4	252.2 -> 224...	5.641	236170		
Midazolam	326.1 -> 223...	12/21/2016 9:49 PM				326.1 -> 249...			Midazolam-D4	330.1 -> 295...	6.630	329171		
Mirtazapine	266.2 -> 195...	12/21/2016 9:49 PM	5.846	176	0.49	266.2 -> 72.3	0.94		Midazolam-D4	330.1 -> 295...	6.630	329171		
Mirtazapine	399.2 -> 174...	12/21/2016 9:49 PM	6.321	96	0.61	399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	6.176	10111...		
Normeperidine	234.1 -> 42.3	12/21/2016 9:49 PM				234.1 -> 160...			Normeperidine-D4	238.2 -> 164...	5.644	234773		
Norpropoxyphene	326.2 -> 44.3	12/21/2016 9:49 PM	6.284	39	0.69	326.2 -> 252...	1.92		Norpropoxyphene-D5	331.2 -> 44.3	6.264	105979		
Notriptyline	264.2 -> 91.2	12/21/2016 9:49 PM	6.601	6905	2.46	264.2 -> 233...	39.70		Notriptyline-D3	267.2 -> 233...	6.437	277673		
Ondansetron	294.2 -> 184...	12/21/2016 9:49 PM	5.820	229	0.73	294.2 -> 212...			Pentazocine-13C3	289.2 -> 72.3	5.699	329064		
Pentazocine	286.2 -> 218...	12/21/2016 9:49 PM	5.720	41	1.11	286.2 -> 41.3	0.38		Pentazocine-13C3	289.2 -> 72.3	5.699	329064		
Phenazepam	349.0 -> 206...	12/21/2016 9:49 PM	6.506	1436	272.89	349.0 -> 183...			Phenazepam-D4	353.0 -> 183...	6.546	10730		
Phencyclidine	244.2 -> 86.2	12/21/2016 9:49 PM	5.746	284	0.71	244.2 -> 91.1	0.51		Phencyclidine-D5	249.2 -> 86.2	5.930	662450		
Phenylethanolamine	253.1 -> 104...	12/21/2016 9:49 PM	6.052	231	7.20	253.1 -> 182...			Phenylethanolamine-D5	263.2 -> 192...	6.072	10732		
Prazepam	325.1 -> 271...	12/21/2016 9:49 PM				325.1 -> 140...			Prazepam-D5	330.1 -> 276...	6.994	596067		
Primidone	219.1 -> 91.2	12/21/2016 9:49 PM	5.586	2153	2.14	219.1 -> 162...			Prazepam-D5	330.1 -> 276...	6.994	596067		
Propoxyphene	340.2 -> 58.3	12/21/2016 9:49 PM	6.202	50	0.39	340.2 -> 266...	1.67		Propoxyphene-D11	351.3 -> 277...	6.262	196751		
Protriptyline	264.2 -> 155...	12/21/2016 9:49 PM	6.601	21	27.58	264.2 -> 161...			Protriptyline-D3	267.2 -> 155...	6.335	273443		
Pseudoephedrine	166.1 -> 148...	12/21/2016 9:49 PM	4.742	1816	0.80	166.1 -> 133...	0.61		Pseudoephedrine-D3	169.1 -> 151...	4.661	364022		
Tapentadol	222.2 -> 107...	12/21/2016 9:49 PM	5.484	422	0.47	222.2 -> 121...	1.23		Tapentadol-D3	225.2 -> 107...	5.483	672084		
Trimipramine	295.2 -> 100...	12/21/2016 9:49 PM	6.493	575	4.07	295.2 -> 58.3	0.73		Trimipramine-D3	298.2 -> 103...	6.493	14042...		
Verapamil	455.3 -> 165...	12/21/2016 9:49 PM	6.300	15	0.28	455.3 -> 150...			Trimipramine-D3	298.2 -> 103...	6.493	14042...		
Zaleplon	306.1 -> 236...	12/21/2016 9:49 PM	6.512	133	0.70	306.1 -> 264...	0.48		Zaleplon-D4	310.2 -> 240...	6.287	159830		
Zopiclone	389.1 -> 244...	12/21/2016 9:49 PM	6.099	88	0.94	389.1 -> 216...			Zopiclone-D4	393.1 -> 244...	5.976	131220		