





















*S*

**Worklist: 2983**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2019-0277	1	137220	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0332	1	137469	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0332	2	138053	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0371	1	137655	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0479	1	138060	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0480	1	138065	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0138	1	136732	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0457	1	139257	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0474	1	139311	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0488	1	139507	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0490	1	139519	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0498	1	139554	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0501	1	139572	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0508	1	139604	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0512	1	139721	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0513	1	139724	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0541	1	142021	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0542	1	142038	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0601	1	142456	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0602	1	142459	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0603	1	142462	AM 25 Blood Multi-Drug Screen by LC-QQQ	

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

D

Extraction Date: 2/26/19

Analyst: Sarah Pickle

Plate lot#: 0543908

Plate Expiration: 11/28/19

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

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

**Blank Blood Lot:** 445283-1

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

**LCMS-QQQ ID:** Model G6470A/7120A SN: SG1833G103/DEBA202671

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #16** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Open quantitation software and create a new quantitation batch.  
Batch Name: 022619 MDS SP THCS PV  
Worklist path: MDS
- 2. Make necessary changes to integration limits
- 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration >5, discretionary range 2-5.
- 4. Did all QCs pass for each analyte? Y / N Yes
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:



# Idaho State Police Forensic Services

P

## AM #25 Blood Multi-Drug Screen by LCMS-QQQ

### Methanol External Control Solution (Lot: 042618)

100 ul of 1mg/mL stock was added of each drug to 9600 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	177145	
Oxycodone	Cerilliant	FE01181701	March 2022
Diazepam	Cerilliant	FE05201602	June 2021
Metoprolol	Cerilliant	FN06091510	July 2020
Meperidine	Cerilliant	FE01271602	June 2021
Prepared:	04/26/18		
Prepared By:	Tamara Salazar		
Expires:	04/26/19		

### Blood External Control Solution (Lot: WS122618)

100 ul of methanol external control solution was added to 9900 ul of blood.

Approximately 50ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042618
Prepared:	12/26/18	
Prepared by:	Tamara Salazar	
Expires:	04/26/19	



Compound Method			p1 cal				p1 cal				Qualifier 1 M...				Qualifier 1 Results			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	Area	Name	Area	RT	Resp.						
6-MAM	328.2 -> 165...	2/26/2019 1:54 PM	2.844	34355	10.0000	21810.35	□	328.2 -> 211...	□	116.35	21482	6-MAM-D6	21482	2.829	745334						
7-aminoclonazepam	286.1 -> 121...	2/26/2019 1:54 PM	3.535	635018	10.0000	140.51	□	286.1 -> 222...	□	132.71	478191	7-Aminoclonazepam-D4	478191	3.520	2500083						
7-aminoflunitrazepam	284.1 -> 135...	2/26/2019 1:54 PM	3.749	1281564	10.0000	5676.18	□	284.1 -> 93.2	□	569.35	304846	7-aminoflunitrazepam-D7	304846	3.718	6338478						
Acetyl Fentanyl	323.2 -> 105...	2/26/2019 1:54 PM	3.762	318143	10.0000	1025.11	□	323.2 -> 188...	□	7138...	235584	Acetyl Fentanyl-D5	235584	3.746	17301951						
Acetyl Norfentanyl	219.1 -> 84.2	2/26/2019 1:54 PM	2.823	168057	10.0000	1463.36	□	219.1 -> 56.3	□	243.53	60720	Acetyl Norfentanyl-D5	60720	2.808	8528618						
a-hydroxyalprazolam	325.1 -> 297...	2/26/2019 1:54 PM	4.482	127554	10.0000	191.63	□	325.1 -> 215...	□	38.25	77966	a-hydroxyalprazolam-D5	77966	4.466	721286						
alpha-hydroxymidazolam	342.1 -> 324...	2/26/2019 1:54 PM	4.557	796773	10.0000	164.30	□	342.1 -> 203...	□	6786...	534512	alpha-hydroxymidazolam...	534512	4.556	6027165						
alpha-PVP	232.2 -> 91.0	2/26/2019 1:54 PM	3.450	2895962	10.0000	144.18	□	232.2 -> 77.1	□	2156...	14811...	alpha-PVP-g8	14811...	3.448	11685503						
Alprazolam	309.1 -> 281...	2/26/2019 1:54 PM	4.577	1287013	10.0000	∞	□	309.1 -> 205...	□	∞	12829...	Alprazolam-D5	12829...	4.575	4000055						
Amitriptyline	278.2 -> 91.2	2/26/2019 1:54 PM	4.367	2755091	10.0000	∞	□	278.2 -> 105...	□	∞	11099...	Amitriptyline-D3	11099...	4.366	5867384						
Amphetamine	136.1 -> 119...	2/26/2019 1:54 PM	2.843	1752361	10.0000	∞	□	136.1 -> 91.1	□	560.59	28951...	Amphetamine-D11	28951...	2.797	4350016						
Benzoylcegonine	290.1 -> 168...	2/26/2019 1:54 PM	3.335	552722	10.0000	174.22	□	290.1 -> 105...	□	5999...	187097	Benzoylcegonine-D8	187097	3.304	2699735						
Buprenorphine	468.3 -> 55.1	2/26/2019 1:54 PM	4.356	405358	10.0000	69.89	□	468.3 -> 396...	□	7806...	62200	Buprenorphine-D4	62200	4.294	1277186						
Bupropion	240.1 -> 184...	2/26/2019 1:54 PM	3.679	3029823	10.0000	464.21	□	240.1 -> 131...	□	1476...	17528...	Bupropion-D9	17528...	3.662	11044566						
Carbamazepine	237.1 -> 193...	2/26/2019 1:54 PM	4.202	4118898	10.0000	249.51	□	237.1 -> 194...	□	219.04	37094...	Carbamazepine-13C6	37094...	4.201	20227752						
Carisoprodol	261.2 -> 176...	2/26/2019 1:54 PM	4.184	866124	10.0000	431.70	□	261.2 -> 55.3	□	159.34	492846	Carisoprodol-D7	492846	4.183	5432121						
Chlordiazepoxide	300.1 -> 282...	2/26/2019 1:54 PM	4.701	349467	10.0000	527.75	□	300.1 -> 227...	□	276.31	544453	Chlordiazepoxide-D5	544453	4.700	7848158						
Chlorpheniramine	275.2 -> 167...	2/26/2019 1:54 PM	3.873	20497	10.0000	78.72	□	275.2 -> 230...	□	854.02	58116...	Diphenhydramine-D3	58116...	3.953	30223787						
Citalopram	325.2 -> 109...	2/26/2019 1:54 PM	4.022	1679455	10.0000	118.96	□	325.2 -> 262...	□	4460...	665725	Citalopram-D6	665725	4.021	7098559						
Clonazepam	316.1 -> 269...	2/26/2019 1:54 PM	4.438	468971	10.0000	21931.86	□	316.1 -> 213...	□	267.50	171018	Clonazepam-D4	171018	4.422	724734						
Cocaine	304.2 -> 182...	2/26/2019 1:54 PM	3.487	3832673	10.0000	92108.02	□	304.2 -> 105...	□	106.01	693206	Cocaine-d3	693206	3.487	18280547						
Codeine	300.2 -> 215...	2/26/2019 1:54 PM	2.726	298083	10.0000	2227.71	□	300.2 -> 165...	□	735.10	289587	Codeine-D6	289587	2.709	1314547						
Cyclobenzaprine	276.2 -> 214...	2/26/2019 1:54 PM	4.290	2011222	10.0000	∞	□	276.2 -> 231...	□	∞	184177	Cyclobenzaprine-D3	184177	4.289	7279656						
Desipramine	267.2 -> 72.3	2/26/2019 1:54 PM	4.338	2839336	10.0000	6482.06	□	267.2 -> 44.3	□	∞	13010...	Desipramine-D3	13010...	4.338	15059093						
Dextromethorphan	272.2 -> 171...	2/26/2019 1:54 PM	4.013	988114	10.0000	50.77	□	272.2 -> 147...	□	6437...	787968	Dextromethorphan-D3	787968	4.013	4468596						
Dextropropion	258.2 -> 157...	2/26/2019 1:54 PM	3.323	2101462	10.0000	153237...	□	258.2 -> 133...	□	9238...	994650	Dextropropion-D3	994650	3.323	11603562						
Diazepam	285.1 -> 193...	2/26/2019 1:54 PM	4.824	668557	10.0000	851.19	□	285.1 -> 153...	□	∞	593431	Diazepam-D5	593431	4.808	3564980						
Dihydrocodeine	302.2 -> 198...	2/26/2019 1:54 PM	2.680	587239	10.0000	784.57	□	302.2 -> 128...	□	109.27	389536	Dihydrocodeine-D6	389536	2.663	2664342						
Diphenhydramine	256.2 -> 167...	2/26/2019 1:54 PM	3.953	6327327	10.0000	5977.56	□	256.2 -> 152...	□	6975...	21516...	Diphenhydramine-D3	21516...	3.953	30223787						
Doxepin	280.2 -> 107...	2/26/2019 1:54 PM	4.104	1506366	10.0000	246.06	□	280.2 -> 77.2	□	6.26	726340	Doxepin-D3	726340	4.104	8181137						
Doxylamine	271.2 -> 167...	2/26/2019 1:54 PM	3.568	6238978	10.0000	30464.87	□	271.2 -> 182...	□	7371...	60831...	Doxylamine-D5	60831...	3.551	26243658						
EDDP	279.2 -> 235...	2/26/2019 1:54 PM	3.996	3214184	10.0000	9040.16	□	279.2 -> 250...	□	1614...	14168...	EDDP-D3	14168...	3.996	17445780						
Estazolam	295.1 -> 267...	2/26/2019 1:54 PM	4.502	2408713	10.0000	974.64	□	295.1 -> 205...	□	3222...	12269...	Estazolam-D5	12269...	4.486	6084621						
Etizolam	343.3 -> 259...	2/26/2019 1:54 PM	4.587	181226	10.0000	∞	□	343.3 -> 314...	□	6114...	746135	Etizolam-D5	746135	4.486	6084621						
Fentanyl	337.2 -> 105...	2/26/2019 1:54 PM	3.976	131068	10.0000	3996.35	□	337.2 -> 188...	□	406.63	98252	Fentanyl-D5	98252	3.975	7004784						
Flunitrazepam	314.1 -> 268...	2/26/2019 1:54 PM	4.545	744468	10.0000	129.80	□	314.1 -> 239...	□	1806...	311842	Flunitrazepam-D7	311842	4.528	137715						
Fluoxetine	310.1 -> 44.3	2/26/2019 1:54 PM	4.285	1744724	10.0000	∞	□	310.1 -> 148...	□	1012...	158331	Fluoxetine-D6	158331	4.269	7755811						
Flurazepam	388.2 -> 315...	2/26/2019 1:54 PM	4.081	1705230	10.0000	931199...	□	388.2 -> 317...	□	∞	362755	Flurazepam-D7	362755	4.528	137715						
Hydrocodone	300.2 -> 198...	2/26/2019 1:54 PM	2.924	931082	10.0000	∞	□	300.2 -> 128...	□	∞	376943	Hydrocodone-D6	376943	2.907	4878626						
Hydromorphone	286.2 -> 184...	2/26/2019 1:54 PM	2.412	840554	10.0000	∞	□	286.2 -> 157...	□	∞	648210	Hydromorphone-D6	648210	2.396	3024556						
Imipramine	281.2 -> 86.2	2/26/2019 1:54 PM	4.336	4096520	10.0000	199727...	□	281.2 -> 58.3	□	∞	27007...	Imipramine-D3	27007...	4.335	13925029						
Ketamine	238.1 -> 125...	2/26/2019 1:54 PM	3.371	1878560	10.0000	453.91	□	238.1 -> 220...	□	190.24	680127	Ketamine-D4	680127	3.355	8679373						
Lamotrigine	256.0 -> 211...	2/26/2019 1:54 PM	3.524	180557	10.0000	137.19	□	256.0 -> 108...	□	165.03	149242	Meperidine-D4	149242	3.524	8020018						
Levamisole	205.1 -> 178...	2/26/2019 1:54 PM	2.885	2052741	10.0000	8116.31	□	205.1 -> 91.2	□	1161...	17517...	Cocaine-d3	17517...	3.487	18280547						
Lorazepam	321.0 -> 229...	2/26/2019 1:54 PM	4.406	132947	10.0000	193.30	□	321.0 -> 303...	□	32.89	383396	Lorazepam-D4	383396	4.406	2708111						



Compound Method			p1 cal				p1 cal				Qualifier 1 M...				Qualifier 1 Results			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	MI	Area	Name	RT	Resp.						
Maprotiline	278.2 -> 91.2	2/26/2019 1:54 PM	4.367	2755091	10.0000	∞	∞	278.2 -> 117...	∞	11897...	∞	11897...	Amiriptryline-D3	4.366	5867384						
MDA	180.1 -> 163...	2/26/2019 1:54 PM	2.962	1744009	10.0000	77.56	∞	180.1 -> 105...	∞	65682	∞	65682	MDA-D5	2.947	7670043						
MDEA	208.1 -> 163...	2/26/2019 1:54 PM	3.175	3753758	10.0000	7942.42	∞	208.1 -> 105...	∞	190.29	∞	17774...	MDEA-D6	3.174	16090149						
MDMA	194.1 -> 163...	2/26/2019 1:54 PM	3.038	4150703	10.0000	66283.62	∞	194.1 -> 105...	∞	18625...	∞	18625...	MDMA-D6	3.022	2348784						
Meperidine	248.2 -> 220...	2/26/2019 1:54 PM	3.524	1703299	10.0000	388.89	∞	248.2 -> 174...	∞	11141...	∞	11141...	Meperidine-D4	3.524	8020018						
Meprobamate	219.1 -> 158...	2/26/2019 1:54 PM	3.636	561542	10.0000	118.76	∞	219.1 -> 97.1	∞	145866	∞	145866	Meprobamate-D7	3.620	2217977						
Methadone	310.2 -> 265...	2/26/2019 1:54 PM	4.316	4310591	10.0000	366.78	∞	310.2 -> 105...	∞	21830...	∞	21830...	Methadone-D9	4.315	18902210						
Methamphetamine	150.1 -> 91.1	2/26/2019 1:54 PM	2.933	4040173	10.0000	144.86	∞	150.1 -> 119...	∞	17028...	∞	17028...	Methamphetamine-D11	2.902	14347098						
Methocarbamol	242.0 -> 163...	2/26/2019 1:54 PM	3.540	153898	10.0000	113.73	∞	242.0 -> 199...	∞	150950	∞	150950	Meperidine-D4	3.524	8020018						
Methylphenidate	234.2 -> 84.2	2/26/2019 1:54 PM	3.434	6480009	10.0000	∞	∞	234.2 -> 56.3	∞	16906...	∞	16906...	Methylphenidate-D4	3.434	27421252						
Metoprolol	268.2 -> 56.3	2/26/2019 1:54 PM	3.368	458204	10.0000	159.57	∞	268.2 -> 116...	∞	454192	∞	454192	Meperidine-D4	3.524	8020018						
Midazolam	326.1 -> 223...	2/26/2019 1:54 PM	4.695	558216	10.0000	∞	∞	326.1 -> 249...	∞	496837	∞	496837	Midazolam-D4	4.680	6458825						
Mirtazapine	266.2 -> 72.3	2/26/2019 1:54 PM	3.752	2177527	10.0000	∞	∞	266.2 -> 195...	∞	45464...	∞	45464...	Meperidine-D4	3.524	8020018						
Mitragynine	399.2 -> 238...	2/26/2019 1:54 PM	4.111	279139	10.0000	126680...	∞	399.2 -> 174...	∞	770865	∞	770865	Doxepin-D3	4.104	8181137						
Morphine	286.2 -> 165...	2/26/2019 1:54 PM	2.247	205260	10.0000	29382.29	∞	286.2 -> 201...	∞	182904	∞	182904	Morphine-D6	2.230	124967						
Norbuprenorphine	414.3 -> 57.3	2/26/2019 1:54 PM	3.774	61919	10.0000	72.10	∞	414.3 -> 101...	∞	60872	∞	60872	Norbuprenorphine-D3	3.774	313240						
Nordiazepam	271.1 -> 140...	2/26/2019 1:54 PM	4.675	621021	10.0000	341.46	∞	271.1 -> 208...	∞	342836	∞	342836	Nordiazepam-D5	4.659	2016763						
Norfentanyl	233.2 -> 84.2	2/26/2019 1:54 PM	3.264	4251108	10.0000	13273.66	∞	233.2 -> 55.3	∞	15469...	∞	15469...	Norfentanyl-D5	3.248	17201388						
Norhydrocodone	286.2 -> 199...	2/26/2019 1:54 PM	2.880	37174	10.0000	119.20	∞	286.2 -> 171...	∞	18549	∞	18549	Norhydrocodone-D3	2.865	935264						
Normeperidine	234.1 -> 160...	2/26/2019 1:54 PM	3.542	1136146	10.0000	2744.33	∞	234.1 -> 42.3	∞	793213	∞	793213	Normeperidine-D4	3.526	4341994						
Noroxycodone	302.1 -> 284...	2/26/2019 1:54 PM	2.832	606755	10.0000	∞	∞	302.1 -> 186...	∞	213.34	∞	213.34	Noroxycodone-D3	2.831	2011513						
Nortriptyline	284.2 -> 233...	2/26/2019 1:54 PM	4.369	1454888	10.0000	∞	∞	284.2 -> 91.2	∞	973369	∞	973369	Nortriptyline-D3	4.369	3601435						
O-desmethyl-tramadol	250.2 -> 58.3	2/26/2019 1:54 PM	2.852	5327635	10.0000	13814.33	∞	250.2 -> 42.3	∞	3330709	∞	3330709	O-desmethyl-tramadol-D6	2.851	24635788						
Olanzapine	313.2 -> 256...	2/26/2019 1:54 PM	3.210	2961	10.0000	1808.69	∞	313.2 -> 84.1	∞	1556	∞	1556	Phenytol-D10	4.092	101479						
Oxazepam	287.1 -> 240...	2/26/2019 1:54 PM	4.487	699442	10.0000	205.61	∞	287.1 -> 288...	∞	487071	∞	487071	Oxazepam-D5	4.487	3483133						
Oxycodone	316.2 -> 298...	2/26/2019 1:54 PM	2.845	1421976	10.0000	∞	∞	316.2 -> 241...	∞	439217	∞	439217	Oxycodone-D6	2.829	5854584						
Oxymorphone	302.1 -> 284...	2/26/2019 1:54 PM	2.302	687795	10.0000	∞	∞	302.1 -> 227...	∞	318438	∞	318438	Oxymorphone-D3	2.285	2194709						
Paroxetine	330.4 -> 70.2	2/26/2019 1:54 PM	4.313	239146	10.0000	∞	∞	330.4 -> 192...	∞	137915	∞	137915	Sertraline-D3	4.515	8226802						
Phenazepam	349.0 -> 206...	2/26/2019 1:54 PM	4.617	573780	10.0000	77.02	∞	349.0 -> 183...	∞	392309	∞	392309	Phenazepam-D4	4.602	2079916						
Phencyclidine	244.2 -> 86.2	2/26/2019 1:54 PM	3.847	3675721	10.0000	11273.22	∞	244.2 -> 91.1	∞	30647...	∞	30647...	Phencyclidine-D5	3.830	17193766						
Phentermine	150.1 -> 65.2	2/26/2019 1:54 PM	3.085	1054757	10.0000	∞	∞	150.1 -> 133...	∞	34152	∞	34152	Phentermine-D5	3.070	11102262						
Phenytol	253.1 -> 182...	2/26/2019 1:54 PM	4.108	18564	10.0000	34.20	∞	253.1 -> 104...	∞	14431	∞	14431	Phenytol-D10	4.092	101479						
Promethazine	285.1 -> 86.2	2/26/2019 1:54 PM	4.273	5236701	10.0000	3700.45	∞	285.1 -> 71.3	∞	14562...	∞	14562...	Promethazine-D3	4.257	22052077						
Pseudoephedrine	166.1 -> 148...	2/26/2019 1:54 PM	2.658	32953321	10.0000	∞	∞	166.1 -> 133...	∞	60904...	∞	60904...	Pseudoephedrine-D3	2.658	1077816...						
Quetiapine	384.2 -> 253...	2/26/2019 1:54 PM	4.326	1954957	10.0000	21385.92	∞	384.2 -> 221...	∞	11860...	∞	11860...	Quetiapine-D8	4.280	2576917						
Sertraline	306.1 -> 275...	2/26/2019 1:54 PM	4.515	1709205	10.0000	167.70	∞	306.1 -> 158...	∞	4658...	∞	4658...	Sertraline-D3	4.515	8226802						
Sufentanil	387.2 -> 238...	2/26/2019 1:54 PM	4.296	157420	10.0000	93440.80	∞	387.2 -> 111...	∞	132.91	∞	127447	Sufentanil-D5	4.295	8309880						
Tapentadol	222.2 -> 107...	2/26/2019 1:54 PM	3.373	3213331	10.0000	253.93	∞	222.2 -> 121...	∞	11966...	∞	11966...	Tapentadol-D3	3.373	15306895						
Temazepam	301.1 -> 255...	2/26/2019 1:54 PM	4.639	1834724	10.0000	∞	∞	301.1 -> 283...	∞	555296	∞	555296	Temazepam-D5	4.638	7925569						
Tramadol	284.2 -> 58.3	2/26/2019 1:54 PM	3.353	5616301	10.0000	∞	∞	284.2 -> 43.3	∞	202645	∞	202645	Tramadol-13C-D3	3.353	26445730						
Trazodone	372.2 -> 176...	2/26/2019 1:54 PM	4.403	3648345	10.0000	389833...	∞	372.2 -> 148...	∞	29330...	∞	29330...	Trazodone-D6	4.357	11900560						
Venlafaxine	278.2 -> 58.3	2/26/2019 1:54 PM	3.734	4643437	10.0000	394.73	∞	278.2 -> 260...	∞	16851...	∞	16851...	Venlafaxine-D6	3.734	22071563						
Zaleplon	306.1 -> 236...	2/26/2019 1:54 PM	4.317	434734	10.0000	658.56	∞	306.1 -> 264...	∞	307889	∞	307889	Zaleplon-D4	4.316	1222682						
Zolpidem	308.2 -> 235...	2/26/2019 1:54 PM	4.101	5078472	10.0000	325366...	∞	308.2 -> 263...	∞	15132...	∞	15132...	Zolpidem-D6	4.085	23228904						
Zopiclone	389.1 -> 244...	2/26/2019 1:54 PM	3.959	290038	10.0000	78.59	∞	389.1 -> 216...	∞	185440	∞	185440	Zopiclone-D4	3.943	1387481						



Compound Method			p1 negative			p1 negative			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	Area	Name	RT	Resp.	Name	RT	Resp.			
6-MAM	328.2 -> 165...	2/26/2019 2:04 PM						328.2 -> 211...				6-MAM-D6	2.829	822532						
7-aminoclonazepam	286.1 -> 121...	2/26/2019 2:04 PM						286.1 -> 222...				7-Aminoclonazepam-D4	3.535	2501155						
7-aminoflunitrazepam	284.1 -> 135...	2/26/2019 2:04 PM						284.1 -> 93.2				7-aminoflunitrazepam-D7	3.718	6324739						
Acetyl Fentanyl	323.2 -> 105...	2/26/2019 2:04 PM						323.2 -> 188...				Acetyl Fentanyl-D5	3.746	17966983						
Acetyl Norfentanyl	219.1 -> 84.2	2/26/2019 2:04 PM						219.1 -> 56.3				Acetyl Norfentanyl-D5	2.808	8690489						
a-hydroxylprazolam	325.1 -> 297...	2/26/2019 2:04 PM						325.1 -> 215...				a-hydroxylprazolam-D5	4.466	769816						
alpha-hydroxymidazolam	342.1 -> 324...	2/26/2019 2:04 PM						342.1 -> 203...				alpha-hydroxymidazolam...	4.556	6272104						
alpha-PVP	232.2 -> 91.0	2/26/2019 2:04 PM						232.2 -> 77.1				alpha-PVP-d8	3.448	11208107						
Alprazolam	309.1 -> 281...	2/26/2019 2:04 PM						309.1 -> 205...				Alprazolam-D5	4.575	4327598						
Amitriptyline	278.2 -> 91.2	2/26/2019 2:04 PM						278.2 -> 105...				Amitriptyline-D3	4.366	6012876						
Amphetamine	136.1 -> 119...	2/26/2019 2:04 PM						136.1 -> 91.1				Amphetamine-D11	2.797	3834935						
Benzoyllecgonine	290.1 -> 168...	2/26/2019 2:04 PM						290.1 -> 105...				Benzoyllecgonine-D8	3.304	2716706						
Buprenorphine	468.3 -> 55.1	2/26/2019 2:04 PM						468.3 -> 396...				Buprenorphine-D4	4.294	1336683						
Bupropion	240.1 -> 184...	2/26/2019 2:04 PM						240.1 -> 131...				Bupropion-D9	3.662	9647850						
Carbamazepine	237.1 -> 193...	2/26/2019 2:04 PM						237.1 -> 194...				Carbamazepine-13C6	4.201	22099302						
Carisoprodol	261.2 -> 176...	2/26/2019 2:04 PM						261.2 -> 55.3				Carisoprodol-D7	4.183	5899362						
Chlordiazepoxide	300.1 -> 282...	2/26/2019 2:04 PM						300.1 -> 227...				Chlordiazepoxide-D5	4.700	8601466						
Chlorpheniramine	275.2 -> 167...	2/26/2019 2:04 PM						275.2 -> 230...				Diphenhydramine-D3	3.953	30246427						
Citalopram	325.2 -> 109...	2/26/2019 2:04 PM						325.2 -> 262...				Citalopram-D6	4.021	7496817						
Clonazepam	316.1 -> 269...	2/26/2019 2:04 PM						316.1 -> 213...				Clonazepam-D4	4.422	885013						
Cocaine	304.2 -> 182...	2/26/2019 2:04 PM						304.2 -> 105...				Cocaine-d3	3.487	17900827						
Codeine	300.2 -> 215...	2/26/2019 2:04 PM						300.2 -> 165...				Codeine-D6	2.709	1328390						
Cyclobenzaprine	276.2 -> 214...	2/26/2019 2:04 PM						276.2 -> 231...				Cyclobenzaprine-D3	4.289	7575628						
Desipramine	267.2 -> 72.3	2/26/2019 2:04 PM						267.2 -> 44.3				Desipramine-D3	4.323	16990986						
Dextromethorphan	272.2 -> 171...	2/26/2019 2:04 PM						272.2 -> 147...				Dextromethorphan-D3	4.013	4734010						
Dextrophan	258.2 -> 157...	2/26/2019 2:04 PM						258.2 -> 133...				Dextrophan-D3	3.323	11487193						
Diazepam	285.1 -> 193...	2/26/2019 2:04 PM						285.1 -> 153...				Diazepam-D5	4.808	3634027						
Dihydrocodeine	302.2 -> 198...	2/26/2019 2:04 PM						302.2 -> 128...				Dihydrocodeine-D6	2.663	3005007						
Diphenhydramine	256.2 -> 167...	2/26/2019 2:04 PM						256.2 -> 152...				Diphenhydramine-D3	3.953	30246427						
Doxepin	280.2 -> 107...	2/26/2019 2:04 PM						280.2 -> 77.2				Doxepin-D3	4.104	8478272						
Doxylamine	271.2 -> 167...	2/26/2019 2:04 PM						271.2 -> 182...				Doxylamine-D5	3.551	26155989						
EDDP	279.2 -> 235...	2/26/2019 2:04 PM						279.2 -> 250...				EDDP-D3	3.996	19234896						
Estazolam	295.1 -> 267...	2/26/2019 2:04 PM						295.1 -> 205...				Estazolam-D5	4.486	6800697						
Etizolam	343.3 -> 259...	2/26/2019 2:04 PM						343.3 -> 314...				Estazolam-D5	4.486	6800697						
Fentanyl	337.2 -> 105...	2/26/2019 2:04 PM						337.2 -> 188...				Fentanyl-D5	3.975	6924155						
Flunitrazepam	314.1 -> 268...	2/26/2019 2:04 PM						314.1 -> 239...				Flunitrazepam-D7	4.528	172087						
Fluoxetine	310.1 -> 44.3	2/26/2019 2:04 PM						310.1 -> 148...				Fluoxetine-D6	4.269	8189993						
Flurazepam	388.2 -> 315...	2/26/2019 2:04 PM						388.2 -> 317...				Flunitrazepam-D7	4.528	172087						
Hydrocodone	300.2 -> 198...	2/26/2019 2:04 PM						300.2 -> 128...				Hydrocodone-D6	2.907	5172861						
Hydromorphone	286.2 -> 184...	2/26/2019 2:04 PM						286.2 -> 157...				Hydrocodone-D6	2.396	3160397						
Imipramine	281.2 -> 86.2	2/26/2019 2:04 PM						281.2 -> 58.3				Hydromorphone-D6	4.335	14051888						
Ketamine	238.1 -> 125...	2/26/2019 2:04 PM						238.1 -> 220...				Imipramine-D3	3.355	8780358						
Lamotrigine	256.0 -> 211...	2/26/2019 2:04 PM						256.0 -> 108...				Ketamine-D4	3.524	8212734						
Levamisole	205.1 -> 178...	2/26/2019 2:04 PM						205.1 -> 91.2				Meperidine-D4	3.487	17900827						
Lorazepam	321.0 -> 229...	2/26/2019 2:04 PM						321.0 -> 303...				Cocaine-d3	4.406	3034850						
												Lorazepam-D4								



Compound Method			p1 negative			p1 negative			Qualifier 1 M...			ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	Area	Name	RT	Resp.	
Maprotiline	278.2 -> 91.2	2/26/2019 2:04 PM						278.2 -> 117...				Amitriptyline-D3	4.366	6012876	
MDA	180.1 -> 163...	2/26/2019 2:04 PM						180.1 -> 105...				MDA-D5	2.947	7803602	
MDEA	208.1 -> 163...	2/26/2019 2:04 PM						208.1 -> 105...				MDEA-D6	3.174	16086432	
MDMA	194.1 -> 163...	2/26/2019 2:04 PM						194.1 -> 105...				MDMA-D6	3.022	2290464	
Meperidine	248.2 -> 220...	2/26/2019 2:04 PM						248.2 -> 174...				Meperidine-D4	3.524	8212734	
Meprobamate	219.1 -> 158...	2/26/2019 2:04 PM						219.1 -> 97.1				Meprobamate-D7	3.620	2517281	
Methadone	310.2 -> 265...	2/26/2019 2:04 PM						310.2 -> 105...				Methadone-D9	4.315	19046073	
Methamphetamine	150.1 -> 91.1	2/26/2019 2:04 PM						150.1 -> 119...				Methamphetamine-D11	2.902	12177398	
Methocarbamol	242.0 -> 163...	2/26/2019 2:04 PM						242.0 -> 199...				Meperidine-D4	3.524	8212734	
Methylphenidate	234.2 -> 84.2	2/26/2019 2:04 PM						234.2 -> 56.3				Methylphenidate-D4	3.434	26911439	
Metoprolol	268.2 -> 56.3	2/26/2019 2:04 PM						268.2 -> 116...				Meperidine-D4	3.524	8212734	
Midazolam	326.1 -> 223...	2/26/2019 2:04 PM						326.1 -> 249...				Midazolam-D4	4.680	6544783	
Mirtazapine	266.2 -> 72.3	2/26/2019 2:04 PM						266.2 -> 195...				Meperidine-D4	3.524	8212734	
Mitragynine	399.2 -> 238...	2/26/2019 2:04 PM						399.2 -> 174...				Doxepin-D3	4.104	8478272	
Morphine	286.2 -> 165...	2/26/2019 2:04 PM						286.2 -> 201...				Morphine-D6	2.230	138548	
Norbuprenorphine	414.3 -> 57.3	2/26/2019 2:04 PM						414.3 -> 101...				Norbuprenorphine-D3	3.774	321484	
Nordiazepam	271.1 -> 140...	2/26/2019 2:04 PM						271.1 -> 208...				Nordiazepam-D5	4.659	2371830	
Norfentanyl	233.2 -> 84.2	2/26/2019 2:04 PM						233.2 -> 55.3				Norfentanyl-D5	3.248	17533363	
Norhydrocodone	286.2 -> 199...	2/26/2019 2:04 PM						286.2 -> 171...				Norhydrocodone-D3	2.880	1011007	
Normeperidine	234.1 -> 160...	2/26/2019 2:04 PM						234.1 -> 42.3				Normeperidine-D4	3.526	4966795	
Noroxycodone	302.1 -> 284...	2/26/2019 2:04 PM						302.1 -> 186...				Noroxycodone-D3	2.831	2056295	
Nortriptyline	264.2 -> 233...	2/26/2019 2:04 PM						264.2 -> 91.2				Nortriptyline-D3	4.369	3723394	
O-desmethyl-tramadol	250.2 -> 58.3	2/26/2019 2:04 PM						250.2 -> 42.3				O-desmethyl-tramadol-D6	2.851	24946156	
Olanzapine	313.2 -> 256...	2/26/2019 2:04 PM						313.2 -> 84.1				Phenylethanolamine-D10	4.092	125941	
Oxazepam	287.1 -> 240...	2/26/2019 2:04 PM						287.1 -> 268...				Oxazepam-D5	4.487	4215732	
Oxycodone	316.2 -> 298...	2/26/2019 2:04 PM						316.2 -> 241...				Oxycodone-D6	2.829	5613884	
Oxymorphone	302.1 -> 284...	2/26/2019 2:04 PM						302.1 -> 227...				Oxymorphone-D3	2.285	2267388	
Paroxetine	330.4 -> 70.2	2/26/2019 2:04 PM						330.4 -> 192...				Sertraline-D3	4.515	8502895	
Phenazepam	349.0 -> 206...	2/26/2019 2:04 PM						349.0 -> 183...				Phenazepam-D4	4.602	2676673	
Phencyclidine	244.2 -> 86.2	2/26/2019 2:04 PM						244.2 -> 91.1				Phencyclidine-D5	3.830	16570283	
Phentermine	150.1 -> 65.2	2/26/2019 2:04 PM						150.1 -> 133...				Phentermine-D5	3.070	10538479	
Phenylethanolamine	253.1 -> 182...	2/26/2019 2:04 PM						253.1 -> 104...				Phenylethanolamine-D10	4.092	125941	
Promethazine	285.1 -> 86.2	2/26/2019 2:04 PM						285.1 -> 71.3				Promethazine-D3	4.257	22059940	
Pseudoephedrine	166.1 -> 148...	2/26/2019 2:04 PM						166.1 -> 133...				Pseudoephedrine-D3	2.711	1128091...	
Quetiapine	384.2 -> 253...	2/26/2019 2:04 PM						384.2 -> 221...				Quetiapine-D8	4.280	2627186	
Sertraline	306.1 -> 275...	2/26/2019 2:04 PM						306.1 -> 158...				Sertraline-D3	4.515	8502895	
Sufentanil	387.2 -> 238...	2/26/2019 2:04 PM						387.2 -> 111...				Sufentanil-D5	4.295	8110035	
Tapentadol	222.2 -> 107...	2/26/2019 2:04 PM						222.2 -> 121...				Tapentadol-D3	3.373	15864718	
Temazepam	301.1 -> 255...	2/26/2019 2:04 PM						301.1 -> 283...				Temazepam-D5	4.638	9048562	
Tramadol	264.2 -> 58.3	2/26/2019 2:04 PM						264.2 -> 43.3				Tramadol-13C-D3	3.353	26497312	
Trazodone	372.2 -> 176...	2/26/2019 2:04 PM						372.2 -> 148...				Trazodone-D6	4.342	12726203	
Venlafaxine	278.2 -> 58.3	2/26/2019 2:04 PM						278.2 -> 260...				Venlafaxine-D6	3.734	22730310	
Zaleplon	306.1 -> 236...	2/26/2019 2:04 PM						306.1 -> 264...				Zaleplon-D4	4.316	1542302	
Zolpidem	308.2 -> 235...	2/26/2019 2:04 PM						308.2 -> 263...				Zolpidem-D6	4.085	24077325	
Zopiclone	389.1 -> 244...	2/26/2019 2:04 PM						389.1 -> 216...				Zopiclone-D4	3.943	1485420	



Compound Method			p1 ext ctrl			p1 ext ctrl			p1 ext ctrl			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results		
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	Area	Name	RT	Resp.	Area	Name	RT	Resp.					
6-MAM	328.2 -> 165...	2/26/2019 2:14 PM						328.2 -> 211...				6-MAM-D6	2.829	718020		6-MAM-D6	2.829	718020					
7-aminoclonazepam	286.1 -> 121...	2/26/2019 2:14 PM						286.1 -> 222...				7-Aminoclonazepam-D4	3.535	2189430		7-Aminoclonazepam-D4	3.535	2189430					
7-aminoflunitrazepam	284.1 -> 135...	2/26/2019 2:14 PM						284.1 -> 93.2				7-aminoflunitrazepam-D7	3.718	6203243		7-aminoflunitrazepam-D7	3.718	6203243					
Acetyl Fentanyl	323.2 -> 105...	2/26/2019 2:14 PM						323.2 -> 188...				Acetyl Fentanyl-D5	3.746	18256315		Acetyl Fentanyl-D5	3.746	18256315					
Acetyl Norfentanyl	219.1 -> 84.2	2/26/2019 2:14 PM						219.1 -> 56.3				Acetyl Norfentanyl-D5	2.808	8388330		Acetyl Norfentanyl-D5	2.808	8388330					
a-hydroxylprazolam	325.1 -> 297...	2/26/2019 2:14 PM						325.1 -> 215...				a-hydroxylprazolam-D5	4.466	635533		a-hydroxylprazolam-D5	4.466	635533					
alpha-hydroxymidazolam	342.1 -> 324...	2/26/2019 2:14 PM						342.1 -> 203...				alpha-hydroxymidazolam...	4.556	6048801		alpha-hydroxymidazolam...	4.556	6048801					
alpha-PVP	232.2 -> 91.0	2/26/2019 2:14 PM						232.2 -> 77.1				alpha-PVP-d8	3.448	11095098		alpha-PVP-d8	3.448	11095098					
Alprazolam	309.1 -> 281...	2/26/2019 2:14 PM						309.1 -> 205...				Alprazolam-D5	4.576	4133597		Alprazolam-D5	4.576	4133597					
Amitriptyline	278.2 -> 91.2	2/26/2019 2:14 PM						278.2 -> 105...				Amitriptyline-D3	4.366	6068436		Amitriptyline-D3	4.366	6068436					
Amphetamine	136.1 -> 119...	2/26/2019 2:14 PM						136.1 -> 91.1				Amphetamine-D11	2.797	3832380		Amphetamine-D11	2.797	3832380					
Benzoyllecgonine	290.1 -> 168...	2/26/2019 2:14 PM						290.1 -> 105...				Benzoyllecgonine-D8	3.304	2697958		Benzoyllecgonine-D8	3.304	2697958					
Buprenorphine	468.3 -> 55.1	2/26/2019 2:14 PM						468.3 -> 396...				Buprenorphine-D4	4.294	1403037		Buprenorphine-D4	4.294	1403037					
Bupropion	240.1 -> 184...	2/26/2019 2:14 PM						240.1 -> 131...				Bupropion-D9	3.662	9832794		Bupropion-D9	3.662	9832794					
Carbamazepine	237.1 -> 193...	2/26/2019 2:14 PM						237.1 -> 194...				Carbamazepine-13C6	4.201	22085416		Carbamazepine-13C6	4.201	22085416					
Carisoprodol	261.2 -> 176...	2/26/2019 2:14 PM						261.2 -> 55.3				Carisoprodol-D7	4.184	5532538		Carisoprodol-D7	4.184	5532538					
Chlordiazepoxide	300.1 -> 282...	2/26/2019 2:14 PM						300.1 -> 227...				Chlordiazepoxide-D5	4.700	7803615		Chlordiazepoxide-D5	4.700	7803615					
Chlorpheniramine	275.2 -> 167...	2/26/2019 2:14 PM						275.2 -> 230...				Diphenhydramine-D3	3.953	30647946		Diphenhydramine-D3	3.953	30647946					
Citalopram	325.2 -> 109...	2/26/2019 2:14 PM						325.2 -> 262...				Citalopram-D6	4.021	7740006		Citalopram-D6	4.021	7740006					
Clonazepam	316.1 -> 269...	2/26/2019 2:14 PM						316.1 -> 213...				Clonazepam-D4	4.422	755670		Clonazepam-D4	4.422	755670					
Cocaine	304.2 -> 182...	2/26/2019 2:14 PM						304.2 -> 105...				Cocaine-d3	3.487	17749960		Cocaine-d3	3.487	17749960					
Codeine	300.2 -> 215...	2/26/2019 2:14 PM						300.2 -> 165...				Codeine-D6	2.709	1353540		Codeine-D6	2.709	1353540					
Cyclobenzaprine	276.2 -> 214...	2/26/2019 2:14 PM						276.2 -> 231...				Cyclobenzaprine-D3	4.289	7768132		Cyclobenzaprine-D3	4.289	7768132					
Desipramine	267.2 -> 72.3	2/26/2019 2:14 PM						267.2 -> 44.3				Desipramine-D3	4.338	15859439		Desipramine-D3	4.338	15859439					
Dextromethorphan	272.2 -> 171...	2/26/2019 2:14 PM						272.2 -> 147...				Dextromethorphan-D3	4.013	5011134		Dextromethorphan-D3	4.013	5011134					
Dextrophan	258.2 -> 157...	2/26/2019 2:14 PM						258.2 -> 133...				Dextrophan-D3	3.323	11387950		Dextrophan-D3	3.323	11387950					
Diazepam	285.1 -> 193...	2/26/2019 2:14 PM	4.824	5718633	94.9100	44460.57		285.1 -> 153...			∞	Diazepam-D5	4.808	3212910		Diazepam-D5	4.808	3212910					
Dihydrocodeine	302.2 -> 198...	2/26/2019 2:14 PM						302.2 -> 128...				Dihydrocodeine-D6	2.663	2957223		Dihydrocodeine-D6	2.663	2957223					
Diphenhydramine	256.2 -> 167...	2/26/2019 2:14 PM						256.2 -> 152...				Diphenhydramine-D3	3.953	30647946		Diphenhydramine-D3	3.953	30647946					
Doxepin	280.2 -> 107...	2/26/2019 2:14 PM						280.2 -> 77.2				Doxepin-D3	4.104	8405086		Doxepin-D3	4.104	8405086					
Doxylamine	271.2 -> 167...	2/26/2019 2:14 PM						271.2 -> 182...				Doxylamine-D5	3.551	25870589		Doxylamine-D5	3.551	25870589					
EDDP	279.2 -> 235...	2/26/2019 2:14 PM						279.2 -> 250...				EDDP-D3	3.996	18248560		EDDP-D3	3.996	18248560					
Estazolam	295.1 -> 267...	2/26/2019 2:14 PM						295.1 -> 205...				Estazolam-D5	4.486	6223531		Estazolam-D5	4.486	6223531					
Etizolam	343.3 -> 259...	2/26/2019 2:14 PM						343.3 -> 314...				Etizolam-D5	4.486	6223531		Etizolam-D5	4.486	6223531					
Fentanyl	337.2 -> 105...	2/26/2019 2:14 PM						337.2 -> 188...				Fentanyl-D5	3.975	7683392		Fentanyl-D5	3.975	7683392					
Flunitrazepam	314.1 -> 268...	2/26/2019 2:14 PM						314.1 -> 239...				Flunitrazepam-D7	4.528	148961		Flunitrazepam-D7	4.528	148961					
Fluoxetine	310.1 -> 44.3	2/26/2019 2:14 PM						310.1 -> 148...				Fluoxetine-D6	4.269	8139254		Fluoxetine-D6	4.269	8139254					
Flurazepam	388.2 -> 315...	2/26/2019 2:14 PM						388.2 -> 317...				Flurazepam-D7	4.528	148961		Flurazepam-D7	4.528	148961					
Hydrocodone	300.2 -> 198...	2/26/2019 2:14 PM						300.2 -> 128...				Hydrocodone-D6	2.907	5157624		Hydrocodone-D6	2.907	5157624					
Hydromorphone	286.2 -> 184...	2/26/2019 2:14 PM						286.2 -> 157...				Hydromorphone-D6	2.396	3151213		Hydromorphone-D6	2.396	3151213					
Imipramine	281.2 -> 86.2	2/26/2019 2:14 PM						281.2 -> 58.3				Imipramine-D3	4.335	14050481		Imipramine-D3	4.335	14050481					
Ketamine	238.1 -> 125...	2/26/2019 2:14 PM						238.1 -> 220...				Ketamine-D4	3.355	8089796		Ketamine-D4	3.355	8089796					
Lamotrigine	256.0 -> 211...	2/26/2019 2:14 PM						256.0 -> 108...				Meperidine-D4	3.524	6981390		Meperidine-D4	3.524	6981390					
Levamisole	205.1 -> 178...	2/26/2019 2:14 PM						205.1 -> 91.2				Cocaine-d3	3.487	17749960		Cocaine-d3	3.487	17749960					
Lorazepam	321.0 -> 229...	2/26/2019 2:14 PM						321.0 -> 303...				Lorazepam-D4	4.406	2682329		Lorazepam-D4	4.406	2682329					



Compound Method			p1 ext ctrl				p1 ext ctrl				p1 ext ctrl				Qualifier 1 Results				ISTD Method		ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	MI	S/N	MI	S/N	Area	Name	RT	Resp.						
Maprotiline	278.2 -> 91.2	2/26/2019 2:14 PM						278.2 -> 117...						Amitriptyline-D3	4.366	6068436						
MDA	180.1 -> 163...	2/26/2019 2:14 PM						180.1 -> 105...						MDA-D5	2.947	7803864						
MDEA	208.1 -> 163...	2/26/2019 2:14 PM						208.1 -> 105...						MDEA-D6	3.175	16059003						
MDMA	194.1 -> 163...	2/26/2019 2:14 PM						194.1 -> 105...						MDMA-D6	3.022	2332095						
Meperidine	248.2 -> 220...	2/26/2019 2:14 PM	3.524	14044080	94.7187	∞		248.2 -> 174...				3927...	92040...	Meperidine-D4	3.524	6981390						
Meprobamate	219.1 -> 158...	2/26/2019 2:14 PM						219.1 -> 97.1						Meprobamate-D7	3.620	2448061						
Methadone	310.2 -> 265...	2/26/2019 2:14 PM						310.2 -> 105...						Methadone-D9	4.315	19115816						
Methamphetamine	150.1 -> 91.1	2/26/2019 2:14 PM						150.1 -> 119...						Methamphetamine-D11	2.902	11182342						
Methocarbamol	242.0 -> 163...	2/26/2019 2:14 PM						242.0 -> 199...						Meperidine-D4	3.524	6981390						
Methylphenidate	234.2 -> 84.2	2/26/2019 2:14 PM						234.2 -> 56.3						Methylphenidate-D4	3.434	26706142						
Metoprolol	268.2 -> 56.3	2/26/2019 2:14 PM	3.368	3573957	89.6032	∞		268.2 -> 116...				7121...	37478...	Meperidine-D4	3.524	6981390						
Midazolam	326.1 -> 223...	2/26/2019 2:14 PM						326.1 -> 249...						Midazolam-D4	4.680	6321226						
Mirtazapine	266.2 -> 72.3	2/26/2019 2:14 PM						266.2 -> 195...						Meperidine-D4	3.524	6981390						
Mitragynine	399.2 -> 238...	2/26/2019 2:14 PM						399.2 -> 174...						Doxepin-D3	4.104	8405086						
Morphine	286.2 -> 165...	2/26/2019 2:14 PM						286.2 -> 201...						Morphine-D6	2.230	128988						
Norbuprenorphine	414.3 -> 57.3	2/26/2019 2:14 PM						414.3 -> 101...						Norbuprenorphine-D3	3.774	331854						
Nordiazepam	271.1 -> 140...	2/26/2019 2:14 PM						271.1 -> 208...						Nordiazepam-D5	4.659	2117369						
Norfentanyl	233.2 -> 84.2	2/26/2019 2:14 PM						233.2 -> 55.3						Norfentanyl-D5	3.248	16401909						
Norhydrocodone	286.2 -> 199...	2/26/2019 2:14 PM						286.2 -> 171...						Norhydrocodone-D3	2.880	866355						
Normeperidine	234.1 -> 160...	2/26/2019 2:14 PM						234.1 -> 42.3						Normeperidine-D4	3.526	4140138						
Noroxycodone	302.1 -> 284...	2/26/2019 2:14 PM						302.1 -> 186...						Noroxycodone-D3	2.831	1960852						
Nortriptyline	264.2 -> 233...	2/26/2019 2:14 PM						264.2 -> 91.2						Nortriptyline-D3	4.369	3767300						
O-desmethyl-tramadol	250.2 -> 58.3	2/26/2019 2:14 PM						250.2 -> 42.3						O-desmethyl-tramadol-D6	2.851	24633899						
Olanzapine	313.2 -> 256...	2/26/2019 2:14 PM						313.2 -> 84.1						Phenylethanolamine-D10	4.092	103431						
Oxazepam	287.1 -> 240...	2/26/2019 2:14 PM						287.1 -> 288...						Oxazepam-D5	4.487	3820154						
Oxycodone	316.2 -> 298...	2/26/2019 2:14 PM	2.860	11704328	86.1107	2662.09		316.2 -> 241...				∞	34150...	Oxycodone-D6	2.830	5596198						
Oxymorphone	302.1 -> 284...	2/26/2019 2:14 PM						302.1 -> 227...						Oxymorphone-D3	2.301	2285718						
Paroxetine	330.4 -> 70.2	2/26/2019 2:14 PM						330.4 -> 192...						Sertraline-D3	4.515	8561468						
Phenazepam	349.0 -> 206...	2/26/2019 2:14 PM						349.0 -> 183...						Phenazepam-D4	4.602	2210934						
Phencyclidine	244.2 -> 86.2	2/26/2019 2:14 PM						244.2 -> 91.1						Phencyclidine-D5	3.830	15734651						
Phentermine	150.1 -> 65.2	2/26/2019 2:14 PM						150.1 -> 133...						Phentermine-D5	3.070	10261219						
Phenylethanolamine	253.1 -> 182...	2/26/2019 2:14 PM						253.1 -> 104...						Phenylethanolamine-D10	4.092	103431						
Promethazine	285.1 -> 86.2	2/26/2019 2:14 PM						285.1 -> 71.3						Promethazine-D3	4.257	22534170						
Pseudoephedrine	166.1 -> 148...	2/26/2019 2:14 PM						166.1 -> 133...						Pseudoephedrine-D3	2.697	89358545						
Quetiapine	384.2 -> 253...	2/26/2019 2:14 PM						384.2 -> 221...						Quetiapine-D8	4.280	2637050						
Sertraline	306.1 -> 275...	2/26/2019 2:14 PM						306.1 -> 158...						Sertraline-D3	4.515	8561468						
Sufentanil	387.2 -> 238...	2/26/2019 2:14 PM						387.2 -> 111...						Sufentanil-D5	4.295	8644423						
Tapentadol	222.2 -> 107...	2/26/2019 2:14 PM						222.2 -> 121...						Tapentadol-D3	3.373	13865449						
Temazepam	301.1 -> 255...	2/26/2019 2:14 PM						301.1 -> 283...						Temazepam-D5	4.638	7470400						
Tramadol	264.2 -> 58.3	2/26/2019 2:14 PM						264.2 -> 43.3						Tramadol-13C-D3	3.353	25912029						
Trazodone	372.2 -> 176...	2/26/2019 2:14 PM						372.2 -> 148...						Trazodone-D6	4.357	12628927						
Venlafaxine	278.2 -> 58.3	2/26/2019 2:14 PM						278.2 -> 260...						Venlafaxine-D6	3.734	22329436						
Zaleplon	306.1 -> 236...	2/26/2019 2:14 PM						306.1 -> 264...						Zaleplon-D4	4.316	1438562						
Zolpidem	308.2 -> 235...	2/26/2019 2:14 PM						308.2 -> 263...						Zolpidem-D6	4.085	23784728						
Zopiclone	389.1 -> 244...	2/26/2019 2:14 PM						389.1 -> 216...						Zopiclone-D4	3.943	1150757						