

* AM 7 central data available upon request. - TS 2/19/2019 TS

Worklist: 2957

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2019-0518	4	138398	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2019-0520	2	138392	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0177	1	137077	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0285	1	137845	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0331	1	138329	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0347	1	138389	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0348	1	138395	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0388	2	138784	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0393	1	138794	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0394	3	138828	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0401	1	138912	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0420	1	139065	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0421	1	139068	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0425	1	139101	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0431	2	142013	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0445	1	139144	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0446	1	139147	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0447	1	139170	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0448	1	139173	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0449	1	139176	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0451	1	139206	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0452	1	139214	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2019-0453	1	139219	AM 25 Blood Multi-Drug Screen by LC-QQQ	

Worklist: 2957

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<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2019-0455	1	139230	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0456	1	139858	AM 25 Blood Multi-Drug Screen by LC-QQQ



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

TS

Extraction Date: 02/20/19

Analyst: Tamara Salazar

Plate lot#: 0543908

Plate Expiration: 11/28/2019

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: Hemostat 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.

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 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 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: MDS 022019 TS v8
Worklist path: G:\TOX\Pocatello\Falco\2019\MDS\022019 MDS TS THCS PV tests\QuantResults
- 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. Calculatted concentration >5, discretionary range 2-5.
- 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: Buprenorphine not evaluated for this run. The original injection on 02/20/19 did not acquire the correct peak for the compound. The actual peak location was verified by reconstituting and reinjecting the the calibrator on 02/21/19.

Case samples P2019-0452, P2019-0453, P2019-0455, and P2019-0456 will not be evaluated for Midazolam or Chlordiazepoxide due to the internal standard peak shifting outside of the acceptable window.

TS



Idaho State Police Forensic Services

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

Methanol External Control Solution (Lot: 042618)

100 ul of 1mg/mL stock was added to 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	Area	S/N	MI	Name	Transition	RT	Resp.	Name	Transition	RT	Resp.	
6-MAM	328.2 -> 165...	2/20/2019 1:39 P...	2.677	38090	10.0000	21...	328.2 -> 211...	30494	62...	66...	66...	6-MAM-D6	334.2 -> 165...	2.676	10610...	6-MAM-D6	334.2 -> 165...	2.676	10610...	
7-Aminoclonazepam	286.1 -> 121...	2/20/2019 1:39 P...	3.474	857406	10.0000	21...	286.1 -> 222...	642784	62...	66...	66...	7-Aminoclonazepam-D4	290.1 -> 121...	3.458	31675...	7-Aminoclonazepam-D4	290.1 -> 121...	3.458	31675...	
Buprenorphine	468.3 -> 55.1	2/20/2019 1:39 P...	4.964	60466	10.0000	21...	468.3 -> 101...	1803	62...	66...	66...	Buprenorphine -D4	472.3 -> 59.3	3.819	14644...	Buprenorphine -D4	472.3 -> 59.3	3.819	14644...	
Benzoylcegonine	290.1 -> 168...	2/20/2019 1:39 P...	3.304	704359	10.0000	21...	290.1 -> 105...	224877	62...	66...	66...	Benzoylcegonine-D8	288.2 -> 171...	3.273	28945...	Benzoylcegonine-D8	288.2 -> 171...	3.273	28945...	
Metoprolol	268.2 -> 116...	2/20/2019 1:39 P...	3.230	690778	10.0000	21...	268.2 -> 56.3	680934	62...	66...	66...	Noroxycodone-D3	305.2 -> 287...	2.694	27385...	Noroxycodone-D3	305.2 -> 287...	2.694	27385...	
a-hydroxyvalprazolam	325.1 -> 297...	2/20/2019 1:39 P...	4.466	127857	10.0000	21...	325.1 -> 215...	83125	62...	66...	66...	a-hydroxyvalprazolam-D5	330.1 -> 302...	4.450	657004	a-hydroxyvalprazolam-D5	330.1 -> 302...	4.450	657004	
alpha-PVP	232.2 -> 91.0	2/20/2019 1:39 P...	3.280	3534790	10.0000	21...	232.2 -> 77.1	19528...	62...	66...	66...	alpha-PVP-d8	240.2 -> 91.1	3.278	14860...	alpha-PVP-d8	240.2 -> 91.1	3.278	14860...	
Alprazolam	309.1 -> 281...	2/20/2019 1:39 P...	4.560	1728350	10.0000	21...	309.1 -> 205...	17454...	62...	66...	66...	Alprazolam-D5	314.1 -> 286...	4.544	56430...	Alprazolam-D5	314.1 -> 286...	4.544	56430...	
Amphetamine	136.1 -> 91.1	2/20/2019 1:39 P...	2.706	3554348	10.0000	21...	136.1 -> 119...	20047...	62...	66...	66...	Amphetamine-D11	147.2 -> 130...	2.660	51905...	Amphetamine-D11	147.2 -> 130...	2.660	51905...	
Cocaine	304.2 -> 182...	2/20/2019 1:39 P...	3.349	5397315	10.0000	21...	304.2 -> 105...	930582	62...	66...	66...	Cocaine-D3	307.2 -> 185...	3.348	23350...	Cocaine-D3	307.2 -> 185...	3.348	23350...	
Bupropion	240.1 -> 184...	2/20/2019 1:39 P...	3.494	3467324	10.0000	21...	240.1 -> 131...	21441...	62...	66...	66...	Bupropion-D9	249.2 -> 185...	3.477	13054...	Bupropion-D9	249.2 -> 185...	3.477	13054...	
Carisoprodol	261.2 -> 176...	2/20/2019 1:39 P...	4.184	736507	10.0000	22...	261.2 -> 55.3	421391	62...	66...	66...	Carisoprodol-D7	268.2 -> 183...	4.167	38641...	Carisoprodol-D7	268.2 -> 183...	4.167	38641...	
Citalopram	325.2 -> 109...	2/20/2019 1:39 P...	3.867	1599779	10.0000	21...	325.2 -> 262...	673544	496...	66...	66...	Citalopram-D6	331.2 -> 109...	3.867	76055...	Citalopram-D6	331.2 -> 109...	3.867	76055...	
Clonazepam	316.1 -> 269...	2/20/2019 1:39 P...	4.421	461280	10.0000	21...	316.1 -> 213...	163723	62...	66...	66...	Clonazepam-D4	320.1 -> 217...	4.406	679587	Clonazepam-D4	320.1 -> 217...	4.406	679587	
Codeine	300.2 -> 215...	2/20/2019 1:39 P...	2.576	222088	10.0000	21...	300.2 -> 165...	217890	62...	66...	66...	Codeine-D6	306.2 -> 218...	2.558	877143	Codeine-D6	306.2 -> 218...	2.558	877143	
Cyclobenzaprine	276.2 -> 214...	2/20/2019 1:39 P...	4.120	3473137	10.0000	21...	276.2 -> 231...	338902	62...	66...	66...	Cyclobenzaprine-D3	279.2 -> 215...	4.119	12666...	Cyclobenzaprine-D3	279.2 -> 215...	4.119	12666...	
Dextromethorphan	272.2 -> 171...	2/20/2019 1:39 P...	3.826	1270895	10.0000	21...	272.2 -> 147...	992610	62...	66...	66...	Dextromethorphan-D3	275.2 -> 171...	3.826	63698...	Dextromethorphan-D3	275.2 -> 171...	3.826	63698...	
Dextroproprian	258.2 -> 157...	2/20/2019 1:39 P...	3.170	2944445	10.0000	21...	258.2 -> 133...	13520...	62...	66...	66...	Dextroproprian-D3	261.2 -> 157...	3.170	16117...	Dextroproprian-D3	261.2 -> 157...	3.170	16117...	
Diazepam	285.1 -> 193...	2/20/2019 1:39 P...	4.793	823383	10.0000	21...	285.1 -> 153...	717600	62...	66...	66...	Diazepam-D5	290.1 -> 198...	4.792	47589...	Diazepam-D5	290.1 -> 198...	4.792	47589...	
Dihydrocodeine	302.2 -> 198...	2/20/2019 1:39 P...	2.544	672843	10.0000	21...	302.2 -> 128...	4555781	62...	66...	66...	Dihydrocodeine-D6	308.2 -> 202...	2.527	34508...	Dihydrocodeine-D6	308.2 -> 202...	2.527	34508...	
Diphenhydramine	256.2 -> 167...	2/20/2019 1:39 P...	3.798	8930982	10.0000	21...	256.2 -> 152...	28553...	62...	66...	66...	Diphenhydramine-D3	259.2 -> 167...	3.798	35812...	Diphenhydramine-D3	259.2 -> 167...	3.798	35812...	
Doxylamine	271.2 -> 182...	2/20/2019 1:39 P...	3.337	10129848	10.0000	21...	271.2 -> 167...	99574...	415...	66...	66...	Doxylamine-D5	276.2 -> 187...	3.321	23498...	Doxylamine-D5	276.2 -> 187...	3.321	23498...	
EDDP	279.2 -> 235...	2/20/2019 1:39 P...	3.856	4469946	10.0000	21...	279.2 -> 250...	19526...	538...	66...	66...	EDDP-D3	282.2 -> 235...	3.855	23328...	EDDP-D3	282.2 -> 235...	3.855	23328...	
Fentanyl	337.2 -> 105...	2/20/2019 1:39 P...	3.760	391436	10.0000	11...	337.2 -> 188...	261880	115...	66...	66...	Fentanyl-D5	342.3 -> 105...	3.744	16879...	Fentanyl-D5	342.3 -> 105...	3.744	16879...	
Fluoxetine	310.1 -> 44.3	2/20/2019 1:39 P...	4.146	2285604	10.0000	21...	310.1 -> 148...	218087	62...	66...	66...	Fluoxetine-D6	316.2 -> 44.3	4.129	96834...	Fluoxetine-D6	316.2 -> 44.3	4.129	96834...	
Lorazepam	321.0 -> 303...	2/20/2019 1:39 P...	4.390	330847	10.0000	21...	321.0 -> 229...	115167	62...	66...	66...	Clonazepam-D4	320.1 -> 217...	4.406	679587	Clonazepam-D4	320.1 -> 217...	4.406	679587	
Hydrocodone	300.2 -> 198...	2/20/2019 1:39 P...	2.757	979884	10.0000	21...	300.2 -> 128...	419045	62...	66...	66...	Hydrocodone-D6	306.2 -> 202...	2.739	51915...	Hydrocodone-D6	306.2 -> 202...	2.739	51915...	
Hydromorphone	286.2 -> 184...	2/20/2019 1:39 P...	2.247	732952	10.0000	21...	286.2 -> 157...	559653	62...	66...	66...	Hydromorphone-D6	292.2 -> 185...	2.245	20950...	Hydromorphone-D6	292.2 -> 185...	2.245	20950...	
Ketamine	238.1 -> 125...	2/20/2019 1:39 P...	3.126	3175029	10.0000	21...	238.1 -> 220...	11573...	62...	66...	66...	Ketamine-D4	242.1 -> 129...	3.110	13727...	Ketamine-D4	242.1 -> 129...	3.110	13727...	
Mirtazapine	266.2 -> 195...	2/20/2019 1:39 P...	3.430	6703300	10.0000	21...	266.2 -> 72.3	31478...	309...	66...	66...	Tramadol-13C-D3	268.2 -> 58.3	3.215	34168...	Tramadol-13C-D3	268.2 -> 58.3	3.215	34168...	
Mirtazapine	399.2 -> 238...	2/20/2019 1:39 P...	3.895	398224	10.0000	72...	399.2 -> 174...	10982...	159...	66...	66...	Tramadol-13C-D3	268.2 -> 58.3	3.215	34168...	Tramadol-13C-D3	268.2 -> 58.3	3.215	34168...	
Meproamate	219.1 -> 158...	2/20/2019 1:39 P...	3.620	591050	10.0000	53...	219.1 -> 97.1	161951	62...	66...	66...	Meproamate-D7	226.2 -> 165...	3.604	21643...	Meproamate-D7	226.2 -> 165...	3.604	21643...	
Methadone	310.2 -> 265...	2/20/2019 1:39 P...	4.161	5575534	10.0000	21...	310.2 -> 105...	28836...	62...	66...	66...	Methadone-D9	319.3 -> 268...	4.145	24885...	Methadone-D9	319.3 -> 268...	4.145	24885...	
Methamphetamine	150.1 -> 91.1	2/20/2019 1:39 P...	2.796	4374281	10.0000	21...	150.1 -> 119...	17401...	62...	66...	66...	Methamphetamine-D11	161.2 -> 97.1	2.765	14482...	Methamphetamine-D11	161.2 -> 97.1	2.765	14482...	
Morphine	286.2 -> 201...	2/20/2019 1:39 P...	2.097	150617	10.0000	24...	286.2 -> 165...	76037	384...	66...	66...	Morphine-D6	292.2 -> 152...	2.080	154194	Morphine-D6	292.2 -> 152...	2.080	154194	
Norbuprenorphine	414.3 -> 101...	2/20/2019 1:39 P...	3.605	62570	10.0000	34...	414.3 -> 57.3	70614	615...	66...	66...	Norbuprenorphine-D3	417.3 -> 101...	3.605	309633	Norbuprenorphine-D3	417.3 -> 101...	3.605	309633	
Nordiazepam	271.1 -> 140...	2/20/2019 1:39 P...	4.643	1041095	10.0000	21...	271.1 -> 208...	555280	62...	66...	66...	Nordiazepam-D5	276.1 -> 140...	4.643	27877...	Nordiazepam-D5	276.1 -> 140...	4.643	27877...	
Norfentanyl	233.2 -> 84.2	2/20/2019 1:39 P...	3.127	5062388	10.0000	21...	233.2 -> 55.3	19212...	62...	66...	66...	Norfentanyl-D5	238.2 -> 84.2	3.111	20165...	Norfentanyl-D5	238.2 -> 84.2	3.111	20165...	
Norhydrocodone	286.2 -> 199...	2/20/2019 1:39 P...	2.744	39769	10.0000	21...	286.2 -> 171...	20780	62...	66...	66...	Norhydrocodone-D3	289.2 -> 202...	2.728	969165	Norhydrocodone-D3	289.2 -> 202...	2.728	969165	
Noroxycodone	302.1 -> 284...	2/20/2019 1:39 P...	2.710	757322	10.0000	21...	302.1 -> 186...	232630	62...	66...	66...	Noroxycodone-D3	305.2 -> 287...	2.694	27385...	Noroxycodone-D3	305.2 -> 287...	2.694	27385...	
O-desmethyl-tramadol	250.2 -> 58.3	2/20/2019 1:39 P...	2.731	7567581	10.0000	21...	250.2 -> 42.3	475032	62...	66...	66...	O-desmethyl-tramadol-D6	256.2 -> 64.3	2.730	34747...	O-desmethyl-tramadol-D6	256.2 -> 64.3	2.730	34747...	
Oxazepam	287.1 -> 240...	2/20/2019 1:39 P...	4.471	887839	10.0000	21...	287.1 -> 268...	622733	376...	66...	66...	Oxazepam-D5	292.1 -> 246...	4.471	41996...	Oxazepam-D5	292.1 -> 246...	4.471	41996...	
Oxycodone	316.2 -> 298...	2/20/2019 1:39 P...	2.708	1774565	10.0000	21...	316.2 -> 241...	543674	319...	66...	66...	Oxycodone-D6	322.2 -> 304...	2.692	76984...	Oxycodone-D6	322.2 -> 304...	2.692	76984...	
Oxymorphone	302.1 -> 284...	2/20/2019 1:39 P...	2.167	409172	10.0000	21...	302.1 -> 227...	183075	62...	66...	66...	Oxymorphone-D3	305.2 -> 287...	2.164	13268...	Oxymorphone-D3	305.2 -> 287...	2.164	13268...	
Phentemine	150.1 -> 65.2	2/20/2019 1:39 P...	2.948	1494945	10.0000	21...	150.1 -> 133...	50853	62...	66...	66...	Phentemine-D5	155.2 -> 96.2	2.933	14299...	Phentemine-D5	155.2 -> 96.2	2.933	14299...	
Promethazine	285.1 -> 86.2	2/20/2019 1:39 P...	4.071	7657052	10.0000	21...	285.1 -> 71.3	21677...	62...	66...	66...	Promethazine-D3	288.2 -> 89.2	4.071	28005...	Promethazine-D3	288.2 -> 89.2			

Compound Method		p1 cal			p1 cal			Qualifier 1 M...			Qualifier 1 Results			ISTD Method		
Name	Transition	Acq. Date/Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	
Temazepam	301.1 -> 255...	2/20/2019 1:39 P...	4.623	2052789	10.0000	21...	301.1 -> 283...	540831	277301	21...	301.1 -> 283...	Temazepam-D5	306.1 -> 260...	4.622	94893...	
Tramadol	264.2 -> 58.3	2/20/2019 1:39 P...	3.215	8246205	10.0000	21...	264.2 -> 43.3	277301	277301	21...	264.2 -> 43.3	Tramadol-13C-D3	268.2 -> 58.3	3.215	34168...	
Trazodone	372.2 -> 176...	2/20/2019 1:39 P...	3.820	2803897	10.0000	21...	372.2 -> 148...	20709...	123...	21...	372.2 -> 148...	Trazodone-D6	378.2 -> 182...	3.805	13085...	
Venlafaxine	278.2 -> 58.3	2/20/2019 1:39 P...	3.581	6530370	10.0000	21...	278.2 -> 260...	23434...	123...	21...	278.2 -> 260...	Venlafaxine-D6	284.2 -> 64.3	3.580	27584...	
Zolpidem	308.2 -> 235...	2/20/2019 1:39 P...	3.516	5988216	10.0000	21...	308.2 -> 263...	18601...	179...	21...	308.2 -> 263...	Zolpidem-D6	314.2 -> 235...	3.501	27367...	
Acetyl Fentanyl	323.2 -> 188...	2/20/2019 1:39 P...	3.531	270716	10.0000	21...	323.2 -> 105...	354304	179...	21...	323.2 -> 105...	Acetyl Fentanyl-D5	328.2 -> 105...	3.515	19755...	
alpha-hydroxymidazolam...	342.1 -> 324...	2/20/2019 1:39 P...	4.357	1080364	10.0000	21...	342.1 -> 203...	714764	111...	21...	342.1 -> 203...	alpha-hydroxymidazolam...	346.1 -> 328...	4.342	75693...	
Amiripylone-D3	278.2 -> 91.2	2/20/2019 1:39 P...	4.181	3378355	10.0000	21...	278.2 -> 105...	14446...	91699	21...	278.2 -> 105...	Amiripylone-D3	281.2 -> 91.2	4.195	71674...	
Acetyl Norfentanyl	219.1 -> 84.2	2/20/2019 1:39 P...	2.701	267281	10.0000	21...	219.1 -> 56.3	91699	91699	21...	219.1 -> 56.3	Acetyl Norfentanyl-D5	224.2 -> 84.2	2.686	12248...	
Carbamazepine	237.1 -> 193...	2/20/2019 1:39 P...	4.186	463828	10.0000	21...	237.1 -> 194...	37109...	37109...	21...	237.1 -> 194...	Carbamazepine-13C6	243.1 -> 200...	4.185	20247...	
Chlordiazepoxide	300.1 -> 227...	2/20/2019 1:39 P...	4.409	8217729	10.0000	16...	300.1 -> 282...	524973	422...	16...	300.1 -> 282...	Chlordiazepoxide-D5	305.1 -> 286...	4.393	13306...	
Sufentanil	387.2 -> 238...	2/20/2019 1:39 P...	4.004	263837	10.0000	16...	387.2 -> 111...	203488	422...	16...	387.2 -> 111...	Sufentanil-D5	392.2 -> 238...	4.003	13362...	
Desipramine	267.2 -> 72.3	2/20/2019 1:39 P...	4.152	3543262	10.0000	21...	267.2 -> 44.3	15754...	15754...	21...	267.2 -> 44.3	Desipramine-D3	270.2 -> 75.3	4.152	18198...	
Doxepin	280.2 -> 107...	2/20/2019 1:39 P...	3.918	2367979	10.0000	21...	280.2 -> 77.2	11584...	36...	21...	280.2 -> 77.2	Doxepin-D3	283.2 -> 107...	3.917	13236...	
Estazolam	295.1 -> 267...	2/20/2019 1:39 P...	4.486	3466864	10.0000	21...	295.1 -> 205...	16661...	450...	21...	295.1 -> 205...	Estazolam-D5	300.1 -> 272...	4.470	82871...	
Flunitrazepam	314.1 -> 268...	2/20/2019 1:39 P...	4.528	1209269	10.0000	21...	314.1 -> 239...	502331	383...	21...	314.1 -> 239...	Flunitrazepam-D7	321.1 -> 245...	4.512	259808	
Flurazepam	388.2 -> 315...	2/20/2019 1:39 P...	3.881	1941332	10.0000	21...	388.2 -> 317...	435021	31405...	21...	388.2 -> 317...	Zopiclone-D4	393.1 -> 244...	3.484	17010...	
Imipramine	281.2 -> 86.2	2/20/2019 1:39 P...	4.149	4612450	10.0000	21...	281.2 -> 58.3	31405...	31405...	21...	281.2 -> 58.3	Imipramine-D3	284.2 -> 61.3	4.149	15443...	
Levamisole	205.1 -> 91.2	2/20/2019 1:39 P...	2.701	2223824	10.0000	21...	205.1 -> 178...	27146...	171338...	21...	205.1 -> 178...	Sufentanil-D5	392.2 -> 238...	4.003	13362...	
Meprofitine	278.2 -> 91.2	2/20/2019 1:39 P...	4.181	3378355	10.0000	21...	278.2 -> 117...	13913...	383...	21...	278.2 -> 117...	Amiripylone-D3	281.2 -> 91.2	4.195	71674...	
MDA	180.1 -> 163...	2/20/2019 1:39 P...	2.810	2115626	10.0000	21...	180.1 -> 105...	763218	383...	21...	180.1 -> 105...	MDA-D5	185.1 -> 168...	2.810	90074...	
MDEA	208.1 -> 163...	2/20/2019 1:39 P...	3.037	5175375	10.0000	21...	208.1 -> 105...	24433...	370...	21...	208.1 -> 105...	MDEA-D6	214.2 -> 166...	3.021	21995...	
MDMA	194.1 -> 163...	2/20/2019 1:39 P...	2.885	5640400	10.0000	21...	194.1 -> 105...	25613...	448...	21...	194.1 -> 105...	MDMA-D6	200.2 -> 166...	2.870	32712...	
Meperidine	248.2 -> 220...	2/20/2019 1:39 P...	3.369	2707612	10.0000	21...	248.2 -> 174...	17338...	17338...	21...	248.2 -> 174...	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Methylphenidate	234.2 -> 84.2	2/20/2019 1:39 P...	3.285	8290210	10.0000	21...	234.2 -> 56.3	22707...	22707...	21...	234.2 -> 56.3	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Etizolam	343.3 -> 314...	2/20/2019 1:39 P...	4.571	1062672	10.0000	21...	343.3 -> 259...	264704	30247	21...	343.3 -> 259...	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Chlorpheniramine	275.2 -> 230...	2/20/2019 1:39 P...	3.703	7979242	10.0000	21...	275.2 -> 167...	30247	316...	21...	275.2 -> 167...	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Midazolam	326.1 -> 223...	2/20/2019 1:39 P...	4.097	5058888	10.0000	21...	326.1 -> 249...	465285	316...	21...	326.1 -> 249...	Midazolam-D4	330.1 -> 295...	4.082	59345...	
Lamotrigine	256.0 -> 211...	2/20/2019 1:39 P...	3.293	249759	10.0000	11...	256.0 -> 108...	194144	194144	11...	256.0 -> 108...	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Olanzapine	313.2 -> 256...	2/20/2019 1:39 P...	2.860	1052682	10.0000	21...	313.2 -> 84.1	460352	460352	21...	313.2 -> 84.1	Meperidine-D4	252.2 -> 224...	3.369	12056...	
Normeperidine	234.1 -> 42.3	2/20/2019 1:39 P...	3.388	1771956	10.0000	21...	234.1 -> 160...	25340...	25340...	21...	234.1 -> 160...	Meperidine-D4	238.2 -> 164...	3.387	91411...	
Paroxetine	330.4 -> 192...	2/20/2019 1:39 P...	4.127	149387	10.0000	21...	330.4 -> 70.2	292030	292030	21...	330.4 -> 70.2	Meperidine-D4	252.2 -> 224...	3.369	12056...	
7-Aminoflunitrazepam	284.1 -> 135...	2/20/2019 1:39 P...	3.688	1273707	10.0000	21...	284.1 -> 93.2	292168	229...	21...	284.1 -> 93.2	7-Aminoflunitrazepam-D7	291.2 -> 138...	3.671	64923...	
Northriptyline	264.2 -> 91.2	2/20/2019 1:39 P...	4.189	1230273	10.0000	21...	264.2 -> 233...	17645...	373...	21...	264.2 -> 233...	Northriptyline-D3	267.2 -> 233...	4.198	45515...	
Phenazepam	349.0 -> 206...	2/20/2019 1:39 P...	4.601	639736	10.0000	21...	349.0 -> 183...	449859	36600...	21...	349.0 -> 183...	Phenazepam-D4	353.0 -> 183...	4.601	26240...	
Phencyclidine	244.2 -> 86.2	2/20/2019 1:39 P...	3.677	4628993	10.0000	21...	244.2 -> 91.1	36600...	36600...	21...	244.2 -> 91.1	Phencyclidine-D5	249.2 -> 86.2	3.677	21299...	
Phenytol	253.1 -> 104...	2/20/2019 1:39 P...	4.082	22716	10.0000	71...	253.1 -> 182...	29094	29094	71...	253.1 -> 182...	Phenytol-D10	263.2 -> 192...	4.076	153726	
Pseudoephedrine	166.1 -> 148...	2/20/2019 1:39 P...	2.537	43433512	10.0000	21...	166.1 -> 133...	80292...	80292...	21...	166.1 -> 133...	Pseudoephedrine-D3	169.1 -> 151...	2.522	14695...	
Tapentadol	222.2 -> 107...	2/20/2019 1:39 P...	3.250	4565050	10.0000	63...	222.2 -> 121...	17720...	17720...	63...	222.2 -> 121...	Tapentadol-D3	225.2 -> 107...	3.250	20828...	
Zaleplon	306.1 -> 236...	2/20/2019 1:39 P...	4.300	1414714	10.0000	21...	306.1 -> 264...	995802	995802	21...	306.1 -> 264...	Zaleplon-D4	310.2 -> 240...	4.299	39369...	
Zopiclone	389.1 -> 244...	2/20/2019 1:39 P...	3.484	347875	10.0000	21...	389.1 -> 216...	223264	223264	21...	389.1 -> 216...	Zopiclone-D4	393.1 -> 244...	3.484	17010...	
Methocarbamol	242.0 -> 163...	2/20/2019 1:39 P...	3.509	242065	10.0000	34...	242.0 -> 199...	214357	214357	34...	242.0 -> 199...	Meperidine-D4	252.2 -> 224...	3.369	12056...	

* Buprenorphine not evaluated. - TS

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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	Area	S/N	MI	Name	Transition	RT	Resp.				
6-MAM	328.2 -> 165...	2/20/2019 1:49 P...						328.2 -> 211...				6-MAM-D6	334.2 -> 165...	2.676	988940				
7-Aminoclonazepam	286.1 -> 121...	2/20/2019 1:49 P...						286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	3.458	4338605				
7-Aminoflunitrazepam	284.1 -> 135...	2/20/2019 1:49 P...						284.1 -> 93.2				7-Aminoflunitrazepam...	291.2 -> 138...	3.671	8669616				
Acetyl Fentanyl	323.2 -> 188...	2/20/2019 1:49 P...						323.2 -> 105...				Acetyl Fentanyl-D5	328.2 -> 105...	3.531	18005438				
Acetyl Norfentanyl	219.1 -> 84.2	2/20/2019 1:49 P...						219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	2.686	11258509				
a-hydroxylprazoslam	325.1 -> 297...	2/20/2019 1:49 P...						325.1 -> 215...				a-hydroxylprazoslam-D5	330.1 -> 302...	4.450	579324				
alpha-hydroxymidazola...	342.1 -> 324...	2/20/2019 1:49 P...						342.1 -> 203...				alpha-hydroxymidazola...	346.1 -> 328...	4.342	6817663				
alpha-PVP	232.2 -> 91.0	2/20/2019 1:49 P...						232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	3.278	14619342				
Alprazolam	309.1 -> 281...	2/20/2019 1:49 P...						309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	4.544	4911637				
Amtripyline	278.2 -> 91.2	2/20/2019 1:49 P...						278.2 -> 105...				Amtripyline-D3	281.2 -> 91.2	4.195	6598788				
Amphetamine	136.1 -> 91.1	2/20/2019 1:49 P...						136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	2.660	5697315				
Benzylegonine	290.1 -> 168...	2/20/2019 1:49 P...						290.1 -> 105...				Benzylegonine-D8	298.2 -> 171...	3.273	2799418				
Buprenorphine	488.3 -> 55.1	2/20/2019 1:49 P...	4.956	41860	7.7704	12	488.3 -> 101...	1225	56.67	472.3 -> 59.3	3.819	Buprenorphine-D4	472.3 -> 59.3	3.819	1304685				
Bupropion	240.1 -> 184...	2/20/2019 1:49 P...						240.1 -> 131...				Bupropion-D9	249.2 -> 185...	3.477	13845236				
Carbamazepine	237.1 -> 193...	2/20/2019 1:49 P...						237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	4.185	20819239				
Carisoprodol	261.2 -> 176...	2/20/2019 1:49 P...						261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	4.167	3939580				
Chlordiazepoxide	300.1 -> 227...	2/20/2019 1:49 P...						300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	4.408	11073589				
Chlorpheniramine	275.2 -> 230...	2/20/2019 1:49 P...						275.2 -> 167...				Meperidine-D4	252.2 -> 224...	3.369	10521415				
Citalopram	325.2 -> 109...	2/20/2019 1:49 P...						325.2 -> 262...				Citalopram-D6	331.2 -> 109...	3.867	7876571				
Clonazepam	316.1 -> 269...	2/20/2019 1:49 P...						316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	4.406	603157				
Cocaine	304.2 -> 182...	2/20/2019 1:49 P...						304.2 -> 105...				Cocaine-D3	307.2 -> 185...	3.348	21589124				
Codeine	300.2 -> 215...	2/20/2019 1:49 P...						300.2 -> 165...				Codeine-D6	306.2 -> 218...	2.558	844055				
Cyclobenzaprine	276.2 -> 214...	2/20/2019 1:49 P...						276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	4.119	11500259				
Desipramine	267.2 -> 72.3	2/20/2019 1:49 P...						267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	4.152	19080535				
Dextromethorphan	272.2 -> 171...	2/20/2019 1:49 P...						272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	3.826	6317728				
Dextropropfan	258.2 -> 157...	2/20/2019 1:49 P...						258.2 -> 133...				Dextropropfan-D3	261.2 -> 157...	3.170	13766414				
Diazepam	285.1 -> 193...	2/20/2019 1:49 P...						285.1 -> 153...				Diazepam-D5	290.1 -> 198...	4.792	4052734				
Dihydrocodeine	302.2 -> 198...	2/20/2019 1:49 P...						302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	2.512	2985982				
Diphenhydramine	256.2 -> 167...	2/20/2019 1:49 P...						256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	3.798	3176342				
Doxepin	280.2 -> 107...	2/20/2019 1:49 P...						280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	3.917	11807708				
Doxylamine	271.2 -> 182...	2/20/2019 1:49 P...						271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	3.321	34109841				
EDDP	279.2 -> 235...	2/20/2019 1:49 P...						279.2 -> 250...				EDDP-D3	282.2 -> 235...	3.855	22814359				
Estazolam	295.1 -> 267...	2/20/2019 1:49 P...						295.1 -> 205...				Estazolam-D5	300.1 -> 272...	4.470	7286479				
Fentanyl	343.3 -> 314...	2/20/2019 1:49 P...						343.3 -> 259...				Meperidine-D4	252.2 -> 224...	3.369	10521415				
Flunitrazepam	337.2 -> 105...	2/20/2019 1:49 P...						337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	3.744	14543609				
Flurazepam	314.1 -> 268...	2/20/2019 1:49 P...						314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	4.512	216982				
Fluoxetine	310.1 -> 44.3	2/20/2019 1:49 P...						310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	4.129	10093173				
Flurazepam	388.2 -> 315...	2/20/2019 1:49 P...						388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	3.484	1507818				
Hydrocodone	300.2 -> 198...	2/20/2019 1:49 P...						300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	2.739	4857912				
Hydromorphone	286.2 -> 184...	2/20/2019 1:49 P...						286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	2.245	1645885				
Imipramine	281.2 -> 86.2	2/20/2019 1:49 P...						281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	4.149	15120471				
Ketamine	238.1 -> 125...	2/20/2019 1:49 P...						238.1 -> 220...				Ketamine-D4	242.1 -> 129...	3.110	12541982				
Lamotrigine	256.0 -> 211...	2/20/2019 1:49 P...						256.0 -> 108...				Meperidine-D4	252.2 -> 224...	3.369	10521415				
Levamisole	205.1 -> 91.2	2/20/2019 1:49 P...						205.1 -> 178...				Sufentanil-D5	392.2 -> 238...	4.003	11259405				
Lorazepam	321.0 -> 303...	2/20/2019 1:49 P...						321.0 -> 229...				Clonazepam-D4	320.1 -> 217...	4.406	603157				
Maprotiline	278.2 -> 91.2	2/20/2019 1:49 P...						278.2 -> 117...				Amtripyline-D3	281.2 -> 91.2	4.195	6598788				
MDA	180.1 -> 163...	2/20/2019 1:49 P...						180.1 -> 105...				MDA-D5	185.1 -> 168...	2.810	9416026				

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	Area	S/N	MI	Name	Transition	RT	Resp.					
MDEA	208.1 -> 163...	2/20/2019 1:49 P...						208.1 -> 105...				MDEA-D6	214.2 -> 166...	3.021	18943668					
MDMA	194.1 -> 163...	2/20/2019 1:49 P...						194.1 -> 105...				MDMA-D6	200.2 -> 166...	2.870	2866879					
Meprobifine	248.2 -> 220...	2/20/2019 1:49 P...						248.2 -> 174...				Meprobifine-D4	252.2 -> 224...	3.369	10521415					
Meproamate	219.1 -> 158...	2/20/2019 1:49 P...						219.1 -> 97.1				Meproamate-D7	226.2 -> 165...	3.604	2062021					
Methadone	310.2 -> 265...	2/20/2019 1:49 P...						310.2 -> 105...				Methadone-D9	319.3 -> 268...	4.145	2279212					
Methamphetamine	150.1 -> 91.1	2/20/2019 1:49 P...	2.796	1254679	2.5872			150.1 -> 119...	505033			Methamphetamine-D11	161.2 -> 97.1	2.765	16055980					
Methocarbamol	242.0 -> 163...	2/20/2019 1:49 P...						242.0 -> 199...				Meprobifine-D4	252.2 -> 224...	3.369	10521415					
Methylphenidate	234.2 -> 84.2	2/20/2019 1:49 P...						234.2 -> 56.3				Meprobifine-D4	252.2 -> 224...	3.369	10521415					
Metoprolol	268.2 -> 116...	2/20/2019 1:49 P...						268.2 -> 56.3				Noroxycodone-D3	305.2 -> 287...	2.694	2613138					
Midazolam	326.1 -> 223...	2/20/2019 1:49 P...						326.1 -> 249...				Midazolam-D4	330.1 -> 295...	4.082	5540806					
Mirtazapine	266.2 -> 195...	2/20/2019 1:49 P...						266.2 -> 72.3				Tramadol-13C-D3	268.2 -> 58.3	3.215	30926442					
Morphine	399.2 -> 238...	2/20/2019 1:49 P...						399.2 -> 174...				Tramadol-13C-D3	268.2 -> 58.3	3.215	30926442					
Norbuprenorphine	286.2 -> 201...	2/20/2019 1:49 P...						286.2 -> 165...				Morphine-D6	292.2 -> 152...	2.080	131869					
Nordiazepam	414.3 -> 101...	2/20/2019 1:49 P...						414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101...	3.605	293444					
Norfentanyl	271.1 -> 140...	2/20/2019 1:49 P...						271.1 -> 208...				Nordiazepam-D5	276.1 -> 140...	4.643	2574957					
Norhydrocodone	233.2 -> 84.2	2/20/2019 1:49 P...						233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	3.111	18407850					
Normeperidine	286.2 -> 199...	2/20/2019 1:49 P...						286.2 -> 171...				Norhydrocodone-D3	289.2 -> 202...	2.728	919792					
Noroxycodone	234.1 -> 42.3	2/20/2019 1:49 P...						234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	3.387	8652267					
Notriptyline	302.1 -> 284...	2/20/2019 1:49 P...						302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	2.694	2613138					
O-desmethyl-tramadol	264.2 -> 91.2	2/20/2019 1:49 P...						264.2 -> 233...				Notriptyline-D3	267.2 -> 233...	4.198	4416947					
Olanzapine	250.2 -> 58.3	2/20/2019 1:49 P...						250.2 -> 42.3				O-desmethyl-tramadol...	256.2 -> 64.3	2.730	30475853					
Oxazepam	313.2 -> 256...	2/20/2019 1:49 P...						313.2 -> 84.1				Meprobifine-D4	252.2 -> 224...	3.369	10521415					
Oxycodone	287.1 -> 240...	2/20/2019 1:49 P...						287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	4.471	4055434					
Paroxetine	316.2 -> 298...	2/20/2019 1:49 P...						316.2 -> 241...				Oxycodone-D6	322.2 -> 304...	2.692	7202773					
Phenazepam	302.1 -> 284...	2/20/2019 1:49 P...						302.1 -> 227...				Meprobifine-D4	305.2 -> 287...	2.164	1153325					
Phencyclidine	330.4 -> 192...	2/20/2019 1:49 P...						330.4 -> 70.2				Phenazepam-D4	252.2 -> 224...	3.369	10521415					
Phentermine	349.0 -> 206...	2/20/2019 1:49 P...						349.0 -> 183...				Phencyclidine-D5	353.0 -> 183...	4.601	2450131					
Phenylethylamine	244.2 -> 86.2	2/20/2019 1:49 P...						244.2 -> 91.1				Phentermine-D5	249.2 -> 86.2	3.677	19155976					
Promethazine	150.1 -> 65.2	2/20/2019 1:49 P...						150.1 -> 133...				Pseudoephedrine-D3	155.2 -> 96.2	2.933	14361272					
Pseudoephedrine	253.1 -> 104...	2/20/2019 1:49 P...						253.1 -> 182...				Phenylethylamine-D10	263.2 -> 192...	4.076	118688					
Quetiapine	285.1 -> 86.2	2/20/2019 1:49 P...						285.1 -> 71.3				Promethazine-D3	288.2 -> 89.2	4.071	25900516					
Sertraline	166.1 -> 148...	2/20/2019 1:49 P...						166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	2.522	1431068...					
Sufentanil	384.2 -> 253...	2/20/2019 1:49 P...						384.2 -> 221...				Quetiapine-D8	392.2 -> 226...	3.988	3829096					
Tapentadol	306.1 -> 158...	2/20/2019 1:49 P...						306.1 -> 275...				Sertraline-D3	309.1 -> 275...	4.331	9413340					
Temazepam	387.2 -> 238...	2/20/2019 1:49 P...						387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	4.003	11259405					
Tramadol	222.2 -> 107...	2/20/2019 1:49 P...						222.2 -> 121...				Tapentadol-D3	225.1 -> 107...	3.250	19065114					
Tramadol-13C-D3	301.1 -> 255...	2/20/2019 1:49 P...						301.1 -> 283...				Temazepam-D5	306.1 -> 260...	4.622	8339360					
Venlafaxine	264.2 -> 58.3	2/20/2019 1:49 P...						264.2 -> 43.3				Tramadol-13C-D3	268.2 -> 58.3	3.215	30926442					
Zaleplon	372.2 -> 176...	2/20/2019 1:49 P...						372.2 -> 148...				Tramadol-13C-D3	268.2 -> 58.3	3.215	30926442					
Zolpidem	278.2 -> 58.3	2/20/2019 1:49 P...						278.2 -> 260...				Venlafaxine-D6	378.2 -> 182...	3.805	11266047					
Zopiclone	306.1 -> 236...	2/20/2019 1:49 P...						306.1 -> 264...				Zaleplon-D4	284.2 -> 64.3	3.580	24192371					
	308.2 -> 235...	2/20/2019 1:49 P...						308.2 -> 263...				Zolpidem-D6	310.2 -> 240...	4.299	3202826					
	389.1 -> 244...	2/20/2019 1:49 P...						389.1 -> 216...				Zopiclone-D4	314.2 -> 235...	3.501	23908148					
														393.1 -> 244...	3.484	1507818				

*Buprenorphine not excluded. -TS

Compound Method		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	Area	S/N	MI	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165...	2/20/2019 1:59 P...						328.2 -> 211...				6-MAM-D6	334.2 -> 165...	2.676	834238
7-Aminoclonazepam	286.1 -> 121...	2/20/2019 1:59 P...						286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	3.458	4194072
7-Aminoflunitrazepam	284.1 -> 135...	2/20/2019 1:59 P...						284.1 -> 93.2				7-Aminoflunitrazepam...	291.2 -> 138...	3.671	8114394
Acetyl Fentanyl	323.2 -> 188...	2/20/2019 1:59 P...						323.2 -> 105...				Acetyl Fentanyl-D5	328.2 -> 105...	3.531	16273147
Acetyl Norfentanyl	219.1 -> 84.2	2/20/2019 1:59 P...						219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	2.686	10205105
a-hydroxylprazosolam	325.1 -> 297...	2/20/2019 1:59 P...						325.1 -> 215...				a-hydroxylprazosolam-D5	330.1 -> 302...	4.450	519531
alpha-hydroxymidazolam	342.1 -> 324...	2/20/2019 1:59 P...						342.1 -> 203...				alpha-hydroxymidazolam...	346.1 -> 328...	4.342	6459143
alpha-PVP	232.2 -> 91.0	2/20/2019 1:59 P...						232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	3.278	13833057
Alprazolam	309.1 -> 281...	2/20/2019 1:59 P...						309.1 -> 205...				Alprazolam-D5	314.1 -> 286...	4.544	4711970
Amiripiline	278.2 -> 91.2	2/20/2019 1:59 P...						278.2 -> 105...				Amiripiline-D3	281.2 -> 91.2	4.195	6454746
Amphetamine	136.1 -> 91.1	2/20/2019 1:59 P...						136.1 -> 119...				Amphetamine-D11	147.2 -> 130...	2.660	5218488
Benzoylcegonine	290.1 -> 168...	2/20/2019 1:59 P...						290.1 -> 105...				Benzoylcegonine-D8	298.2 -> 171...	3.289	2854712
Buprenorphine	468.3 -> 55.1	2/20/2019 1:59 P...	4.984	51834	9.1639	20		468.3 -> 101.2	1380	83.88		Buprenorphine-D4	472.3 -> 59.3	3.819	1369888
Bupropion	240.1 -> 184...	2/20/2019 1:59 P...						240.1 -> 131...				Bupropion-D9	249.2 -> 185...	3.477	13339021
Carbamazepine	237.1 -> 193...	2/20/2019 1:59 P...						237.1 -> 194...				Carbamazepine-13C6	243.1 -> 200...	4.185	20562943
Carisoprodol	261.2 -> 176...	2/20/2019 1:59 P...						261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	4.167	3925073
Chlordiazepoxide	300.1 -> 227...	2/20/2019 1:59 P...						300.1 -> 282...				Chlordiazepoxide-D5	305.1 -> 286...	4.408	10588570
Chlorpheniramine	275.2 -> 230...	2/20/2019 1:59 P...						275.2 -> 167...				Mepidine-D4	252.2 -> 224...	3.369	7883847
Citalopram	325.2 -> 109...	2/20/2019 1:59 P...						325.2 -> 262...				Citalopram-D6	331.2 -> 109...	3.867	7131527
Clonazepam	316.1 -> 269...	2/20/2019 1:59 P...						316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	4.406	634647
Cocaine	304.2 -> 182...	2/20/2019 1:59 P...						304.2 -> 105...				Cocaine-D3	307.2 -> 185...	3.348	18075253
Codeine	300.2 -> 215...	2/20/2019 1:59 P...						300.2 -> 165...				Codeine-D6	306.2 -> 218...	2.558	813161
Cyclobenzaprine	276.2 -> 214...	2/20/2019 1:59 P...						276.2 -> 231...				Cyclobenzaprine-D3	279.2 -> 215...	4.119	10267730
Desipramine	267.2 -> 72.3	2/20/2019 1:59 P...						267.2 -> 44.3				Desipramine-D3	270.2 -> 75.3	4.152	18446048
Dextromethorphan	272.2 -> 171...	2/20/2019 1:59 P...						272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	3.826	5243155
Dextroproprian	258.2 -> 157...	2/20/2019 1:59 P...						258.2 -> 133...				Dextroproprian-D3	261.2 -> 157...	3.170	12697261
Diazepam	285.1 -> 193...	2/20/2019 1:59 P...	4.793	6184398	11.15	a		285.1 -> 153...	57119...	a		Diazepam-D5	290.1 -> 198...	4.792	3203162
Dihydrocodeine	302.2 -> 198...	2/20/2019 1:59 P...						302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	2.527	2719655
Diphenhydramine	256.2 -> 167...	2/20/2019 1:59 P...						256.2 -> 152...				Diphenhydramine-D3	259.2 -> 167...	3.798	30855799
Doxepin	280.2 -> 107...	2/20/2019 1:59 P...						280.2 -> 77.2				Doxepin-D3	283.2 -> 107...	3.917	10869226
Doxylamine	271.2 -> 182...	2/20/2019 1:59 P...						271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	3.321	31476027
EDDP	279.2 -> 235...	2/20/2019 1:59 P...						279.2 -> 250...				EDDP-D3	282.2 -> 235...	3.855	22215278
Estazolam	295.1 -> 267...	2/20/2019 1:59 P...						295.1 -> 205...				Estazolam-D5	300.1 -> 272...	4.470	6667054
Etizolam	343.3 -> 314...	2/20/2019 1:59 P...						343.3 -> 259...				Mepidine-D4	252.2 -> 224...	3.369	7883847
Fentanyl	337.2 -> 105...	2/20/2019 1:59 P...						337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	3.744	12945989
Flunitrazepam	314.1 -> 268...	2/20/2019 1:59 P...						314.1 -> 239...				Flunitrazepam-D7	321.1 -> 245...	4.512	220261
Fluoxetine	310.1 -> 44.3	2/20/2019 1:59 P...						310.1 -> 148...				Fluoxetine-D6	316.2 -> 44.3	4.129	9499932
Flurazepam	388.2 -> 315...	2/20/2019 1:59 P...						388.2 -> 317...				Zopiclone-D4	393.1 -> 244...	3.789	4244649
Hydrocodone	300.2 -> 198...	2/20/2019 1:59 P...						300.2 -> 128...				Hydrocodone-D6	306.2 -> 202...	2.739	960699
Hydromorphone	286.2 -> 184...	2/20/2019 1:59 P...						286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	2.245	1476936
Imipramine	281.2 -> 86.2	2/20/2019 1:59 P...						281.2 -> 58.3				Imipramine-D3	284.2 -> 61.3	4.149	14179378
Ketamine	238.1 -> 125...	2/20/2019 1:59 P...						238.1 -> 220...				Ketamine-D4	242.1 -> 129...	3.110	11482605
Lamotrigine	256.0 -> 211...	2/20/2019 1:59 P...						256.0 -> 108...				Mepidine-D4	252.2 -> 224...	3.369	7883847
Levamisole	205.1 -> 91.2	2/20/2019 1:59 P...						205.1 -> 178...				Sulfentanil-D5	392.2 -> 238...	4.003	10410805
Lorazepam	321.0 -> 303...	2/20/2019 1:59 P...						321.0 -> 229...				Clonazepam-D4	320.1 -> 217...	4.406	634647
Meprobitaline	278.2 -> 91.2	2/20/2019 1:59 P...						278.2 -> 117...				Amiripiline-D3	281.2 -> 91.2	4.195	6454746
MDA	180.1 -> 163...	2/20/2019 1:59 P...						180.1 -> 105...				MDA-D5	185.1 -> 168...	2.810	8413596

Compound Method			p1 ext cdt	p1 ext cdt			Qualifier 1 M...			Qualifier 1 Results			ISTD Method			ISTD Results	
Name	Transition	Acq. Date-Time	RT	Resp.	Calc. Conc.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.		
MDEA	208.1 -> 163...	2/20/2019 1:59 P...						208.1 -> 105...				MDEA-D6	214.2 -> 166...	3.021	17520434		
MDMA	194.1 -> 163...	2/20/2019 1:59 P...						194.1 -> 105...				MDMA-D6	200.2 -> 166...	2.885	2606345		
Mepidine	248.2 -> 220...	2/20/2019 1:59 P...	3.369	19072776	107.7...	15...		248.2 -> 174...	12476...			Mepidine-D4	252.2 -> 224...	3.369	7883847		
Meprobramate	219.1 -> 158...	2/20/2019 1:59 P...						219.1 -> 97.1				Meprobramate-D7	226.2 -> 165...	3.604	1977873		
Methadone	310.2 -> 265...	2/20/2019 1:59 P...						310.2 -> 105...				Methadone-D9	319.3 -> 268...	4.145	21161192		
Methamphetamine	150.1 -> 91.1	2/20/2019 1:59 P...	2.796	1188915	2.4953			150.1 -> 119...	502236			Methamphetamine-D11	161.2 -> 97.1	2.765	15774350		
Methocarbamol	242.0 -> 163...	2/20/2019 1:59 P...						242.0 -> 199...				Mepidine-D4	252.2 -> 224...	3.369	7883847		
Methylphenidate	234.2 -> 84.2	2/20/2019 1:59 P...						234.2 -> 56.3				Mepidine-D4	252.2 -> 224...	3.369	7883847		
Metoprolol	268.2 -> 116...	2/20/2019 1:59 P...	3.230	5871824	103.4...	42...		268.2 -> 56.3	56906...			Noroxycodone-D3	305.2 -> 287...	2.694	2251247		
Midazolam	326.1 -> 223...	2/20/2019 1:59 P...						326.1 -> 249...				Midazolam-D4	330.1 -> 295...	4.097	5212999		
Miltazapine	266.2 -> 195...	2/20/2019 1:59 P...						266.2 -> 72.3				Tramadol-13C-D3	268.2 -> 58.3	3.215	29103065		
Mirtazapine	399.2 -> 238...	2/20/2019 1:59 P...						399.2 -> 174...				Tramadol-13C-D3	268.2 -> 58.3	3.215	29103065		
Morphine	286.2 -> 201...	2/20/2019 1:59 P...						286.2 -> 165...				Morphine-D6	292.2 -> 152...	2.080	114865		
Norbuprenorphine	414.3 -> 101...	2/20/2019 1:59 P...						414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101...	3.605	269293		
Nordazepam	271.1 -> 140...	2/20/2019 1:59 P...						271.1 -> 208...				Nordazepam-D5	276.1 -> 140...	4.643	2317027		
Norfentanyl	233.2 -> 84.2	2/20/2019 1:59 P...						233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	3.111	17739833		
Northydrocodone	286.2 -> 199...	2/20/2019 1:59 P...						286.2 -> 171...				Northydrocodone-D3	289.2 -> 202...	2.728	780412		
Normeperidine	234.1 -> 42.3	2/20/2019 1:59 P...						234.1 -> 160...				Normeperidine-D4	238.2 -> 164...	3.402	6926399		
Noroxycodone	302.1 -> 284...	2/20/2019 1:59 P...						302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	2.694	2251247		
Nortriptyline	264.2 -> 91.2	2/20/2019 1:59 P...						264.2 -> 233...				Nortriptyline-D3	267.2 -> 233...	4.198	4215446		
O-desmethyl-tramadol	250.2 -> 58.3	2/20/2019 1:59 P...						250.2 -> 42.3				O-desmethyl-tramadol...	256.2 -> 64.3	2.730	27922105		
Olanzapine	313.2 -> 256...	2/20/2019 1:59 P...						313.2 -> 84.1				Mepidine-D4	252.2 -> 224...	3.369	7883847		
Oxazepam	287.1 -> 240...	2/20/2019 1:59 P...						287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	4.471	3887382		
Oxycodone	316.2 -> 298...	2/20/2019 1:59 P...	2.708	14179654	88.86...	8...		316.2 -> 241...	44232...			Oxycodone-D6	322.2 -> 304...	2.692	6222145		
Oxycodone	302.1 -> 284...	2/20/2019 1:59 P...						302.1 -> 227...				Oxycodone-D3	305.2 -> 287...	2.164	1047868		
Paroxetine	330.4 -> 192...	2/20/2019 1:59 P...						330.4 -> 70.2				Mepidine-D4	252.2 -> 224...	3.369	7883847		
Phenazepam	349.0 -> 206...	2/20/2019 1:59 P...						349.0 -> 183...				Phenazepam-D4	353.0 -> 183...	4.586	2367467		
Phencyclidine	244.2 -> 86.2	2/20/2019 1:59 P...						244.2 -> 91.1				Phencyclidine-D5	249.2 -> 86.2	3.677	18263158		
Phentermine	150.1 -> 65.2	2/20/2019 1:59 P...						150.1 -> 133...				Phentermine-D5	155.2 -> 96.2	2.933	13612001		
Phenytin	253.1 -> 104...	2/20/2019 1:59 P...						253.1 -> 182...				Phenytin-D10	263.2 -> 192...	4.076	123073		
Promethazine	285.1 -> 86.2	2/20/2019 1:59 P...						285.1 -> 71.3				Promethazine-D3	288.2 -> 89.2	4.071	24595846		
Pseudoephedrine	166.1 -> 148...	2/20/2019 1:59 P...						166.1 -> 133...				Pseudoephedrine-D3	169.1 -> 151...	2.522	1349366...		
Quetiapine	384.2 -> 253...	2/20/2019 1:59 P...						384.2 -> 221...				Quetiapine-D8	392.2 -> 226...	3.988	3527779		
Sertraline	306.1 -> 158...	2/20/2019 1:59 P...						306.1 -> 275...				Sertraline-D3	309.1 -> 275...	4.331	8953957		
Sufentanil	387.2 -> 238...	2/20/2019 1:59 P...						387.2 -> 111...				Sufentanil-D5	392.2 -> 238...	4.003	10410805		
Tapentadol	222.2 -> 107...	2/20/2019 1:59 P...						222.2 -> 121...				Tapentadol-D3	226.2 -> 107...	3.250	16980452		
Temazepam	301.1 -> 255...	2/20/2019 1:59 P...						301.1 -> 283...				Temazepam-D5	306.1 -> 260...	4.622	6664870		
Tramadol	264.2 -> 58.3	2/20/2019 1:59 P...						264.2 -> 43.3				Tramadol-13C-D3	268.2 -> 58.3	3.215	29103065		
Trazodone	372.2 -> 176...	2/20/2019 1:59 P...						372.2 -> 148...				Trazodone-D6	378.2 -> 182...	3.805	10020388		
Venlafaxine	278.2 -> 58.3	2/20/2019 1:59 P...						278.2 -> 260...				Venlafaxine-D6	284.2 -> 64.3	3.580	22221306		
Zaleplon	306.1 -> 236...	2/20/2019 1:59 P...						306.1 -> 264...				Zaleplon-D4	310.2 -> 240...	4.299	3139245		
Zolpidem	308.2 -> 235...	2/20/2019 1:59 P...						308.2 -> 263...				Zolpidem-D6	314.2 -> 235...	3.501	22461917		
Zopiclone	389.1 -> 244...	2/20/2019 1:59 P...						389.1 -> 216...				Zopiclone-D4	393.1 -> 244...	3.484	960699		

* Buprenorphine not evaluated. - TS