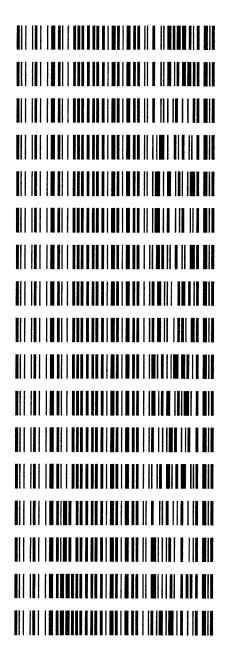


Worklist: 2516

<u>LAB CASE</u> C2018-1045	<u>ITEM</u> 1	<u>TASK ID</u> 117236	DESCRIPTION AM 25/AM 26 Blood MultiDrug/THC Screen by L0
C2018-1046	1	117238	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1047	1	117242	AM 25/AM 26 Blood MultiDrug/THC Screen by L0
C2018-1062	1	117463	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1077	1	117643	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1081	1	117650	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1125	1	118106	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1136	1	118268	AM 25/AM 26 Blood MultiDrug/THC Screen by L0
C2018-1137	1	118270	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1181	1	118916	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1186	1	118999	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1197	2	119040	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
C2018-1206	1	119158	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
M2018-2765	2	117240	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
M2018-2862	3	118488	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
P2018-1667	1	118487	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo
P2018-1743	1	119584	AM 25/AM 26 Blood MultiDrug/THC Screen by Lo





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

	tion Date: 6-25-18		Analyst: _	Anna	Nord
Plate 1	ot#: 0515207	Plate Expiration: 10/1	8/2018		
0. Blank	e phase A: 10mM Amm Form 5M Ammonium Hydroxide Blood Lot: 17J20718 S-QQQ ID: 62340	m Mobile phase Ethyl A Column : Phenomene	Acetate	LC Met	hanol
Pre-A	Analytic:				
№ 1.№ 2.№ 3.	Check levels of mobile phases a Ensure correct column is install Create worklist:				
Analy	vtie:				
□ 1. □ 2. □ 3. □ 4. □ 5. □ 6. □ 7. □ 8. □ 9. □ 10. □ 11. □ 12. □ 13. □ 14.	Remove standards, plate, control Pipette 250µL blood (calibrat Place on shaking incubator at an Pipette 250µL 00.5M ammonia Place on shaking incubator at an Transfer 300µL of blood+base Apply positive pressure for app (Load at 85-100 PSI- Selector at Wait 5 minutes. Add 900uL ethyl acetate. Wait 5 minutes. Apply positive pressure for app Add 900uL ethyl acetate. Wait 5 minutes. Apply positive pressure for app Remove plate containing eluate	mbient temp., 900rpm for um hydroxide in wells of mbient temp., 900rpm for mixture to corresponding rox. 10-15 seconds (or un to the right) Manifold ID: rox. 15 seconds. (10-15 Parox. 15 seconds. (10	926134 in we 15 minutes. Fanalytical plus 15 minutes. Swells of SLI til no liquid 1666792	ells of analyte Shaker ID. late. E+ plate. remains on to to the left). to the left).	tical (standards) plate. : 66759 op of sorbent).
▼ 16	SPE Dry ID: 66819 Reconstitute in 100μL 100% L	C MeOH and heat seal n	late with foil	Place in au	tosampler and run worklist
д 10.	Reconstitute in 100µL 100 70 L	e Meon and heat sear pr	iate with 1011.	. I lace ili au	nosampier and run worklist.
	<u>Analytic</u>				
≥ 1.∠ 2.	Open quantitation software and Batch Name: Object And Make necessary changes to interest of the software and Batch Name:	create a new quantitation 1 25-26 gration limits	batch. Worklist patl	h: <u>Mda</u>	P)
≱ 3.	Evaluate samples, S/N of prima symmetry and resolution. Withia dministrative control.	ry transition >5 and S/N on +/- 2% or 0.1 min RT o			
	Did all QCs pass for each analy	te?(Y)N			
∠ 5.	Central File Packet to include:	LIMS Worklist, Method (Checklist, Ca	libration and	l Control Reports

COMMENTS:

Toxicology AM method 25 external prep information

working solution 10000 ng/ml in meoh Hydromorphone, Hydrocodone, Nortriptyline, Sertraline

Stock solution 1mg/ml 100 ul each in 9600ul meCH

Ppd 4/23/18 Exp: 4/23/19 lot 42318

by Amn

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Hydrocodone	FE09091505	9/1/2020
nortriptyline	FN06191503	8/1/2020
sertraline	FN01081501	3/1/2020

AM 25 control 100 ul working solution (42318) in 9900 ul neg blood

ppd 04/23/18 exp 4/23/19 lot 42318

neg blood lot 17J20718

by Amn

Concentration 100ng/ml hydrocodone, nortriptyline, sertraline, hydromorphone



105 6.682 1 44.3 6.442 1 202 5.710 185 5.060 129 6.230 158.3 5.635 1 165 5.599 268 6.544 1 97.1 5.112 152 4.818 101 6.572 140 6.572 84.2 5.455 202 5.123 202 5.123 203 5.017 64.3 5.047 64.3 5.047 246 6.385 304 5.401 389.2 6.813 2	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methadone-D9 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5 Norfentanyl-tramadol O-desmethyl-tramadol Oxycodone-D3 Oxycodone-D3 Phentermine-D5 Promethazine-D3	a pastrust passerus, formus (umuna) amuna) amuna (amuna) amuna) amuna (amuna		300.2 -> 286.2 -> 266.2 -> 266.2 -> 266.2 -> 266.2 -> 219.1 -> 310.2 -> 150.1 -> 271	239851 35435 289686 38264 22104 112951 230522 29121 230555 175126 5341 6227 26537 132390 2851 24747 198719 25247 58980 65789 29231 459407	5.153 4.901 6.070 6.573 5.476 5.123 5.018 5.068 6.406 6.406 5.463 4.775 6.834	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 240 -> 298 -> 298 -> 298 -> 65.2 -> 86.2	Oxazepam Oxycodone Oxymorphone Phentermine Promethazine
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 5.235 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 268 6.544 11 -> 97.1 5.112 2 -> 17.2 4.818 5.112 2 -> 17.2 5.112 2 -> 17.2 5.112 2 -> 185 6.544 11 -> 197.1 5.112 2 -> 185 6.572 2 -> 287 6.173 2 -> 287 6.385 2 -> 287 6.38	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methadone-D9 Morphine-D6 Norbuprenorphine-D11 Morphine-D5 Norfentanyl-D5 Norfentanyl-D5 Noroxycodone-D3 O-desmethyl-tramadol Oxazepam-D5 Oxycodone-D6 Oxymorphone-D3 Phentermine-D5	faranco francos (samos farans) manus manus faransi binana hanna faransi hanna hanna faransi fa		300.2 -> 286.2 -> 238.1 -> 266.2 -> 399.2 -> 399.2 -> 310.2 -> 150.1 -> 286.2 -> 286.2 -> 219.1 -> 219.1 -> 310.2 -> 286.2 -> 286.2 -> 286.2 -> 286.2 -> 286.2 -> 302.1 -> 250.2 -> 250.2 -> 316.2 -> 316.2 -> 316.2 -> 316.2 ->		5.153 4.901 6.070 6.573 5.476 5.123 5.068 6.406 5.463 4.775	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 240 -> 298 -> 284 -> 298 -> 284	Oxazepam Oxycodone Oxymorphone Phentermine
-> 105 6.682 1 -> 44.3 6.442 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 1 -> 185 5.635 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 1 -> 268 6.544 11 -> 17 5.112 2 -> 17 6.70 1 -> 17 6.70 1 -> 17 5.113 2 -> 287 5.047 1 -> 246 6.385 1	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methadone-D9 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5 Norhydrocodone-D3 Ocycodone-D6 Oxycodone-D6 Oxymorphone-D3 Oxymorphone-D3			300.2 -> 286.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 150.1 -> 286.2 -> 414.3 -> 286.2 -> 286.2 -> 286.2 -> 310.2 -> 286.2 -> 316.2 -> 286.2 -> 286.2 -> 302.1 -> 250.2 -> 287.1 -> 287.1 ->		5.153 4.901 6.070 6.573 5.476 5.123 5.068 6.406 6.406 6.406	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 58.3 -> 240 -> 298 -> 284	Oxazepam Oxycodone Oxymorphone
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 5.83 5.635 1 -> 5.83 5.635 1 -> 268 6.544 13 -> 152 4.818 2 -> 101 6.070 2 -> 140 6.572 2 -> 84.2 5.455 2 -> 287 5.017 2 -> 287 5.017 2 -> 246 6.385 2 -> 246 6.385 2 -> 246 6.385 2 -> 2304 5.401 3	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5 Norhydrocodone-D3 Noroxycodone-D3 O-desmethyl-tramadol Oxazepam-D5 Oxycodone-D6	NAMES AND THE PROPERTY OF THE		300.2 -> 286.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 1150.1 -> 286.2 -> 286.2 -> 286.2 -> 219.1 -> 21		5.153 4.901 6.070 6.573 5.476 5.018 5.068 5.068 5.463	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 58.3 -> 240 -> 298	Oxycodone Oxycodone
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 1 -> 185 5.635 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 1 -> 165 5.599 1 -> 17.1 5.112 2 -> 17.1 5.112 2 -> 17.1 6.070 1 -> 17.1 6.070 1 -> 17.1 6.070 1 -> 17.1 5.112 2 -> 17.1 5.070 1 -> 17.1 5.113 2 -> 17.1 5.113 2 -> 17.1 5.113 2 -> 17.1 5.017 2 -> 17.1 5.0	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methadone-D9 Morphine-D6 Norphine-D6 Norbuprenorphine-D3 Norfentanyl-D5 Norfydrocodone-D3 Noroxycodone-D3 O-desmethyl-tramadol Oxazepam-D5			300.2 -> 286.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 150.1 -> 286.2 -> 286.2 -> 219.1 -> 219.1 -> 219.1 -> 219.1 -> 219.1 -> 219.1 -> 219.1 -> 219.1 -> 2286.2 -> 2271.1 -> 233.2 -> 233.2 -> 233.2 -> 233.2 -> 233.2 -> 2350.2 -> 250.2 ->		5.153 4.901 6.070 6.573 5.476 5.123 5.018 5.068	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 58.3 -> 240	Oxazepam
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 1 -> 185 5.060 1 -> 185 5.060 1 -> 165 5.599 1 -> 165 5.599 1 -> 165 5.599 1 -> 17.1 5.112 2 -> 17.2 4.818 1 -> 17.2 4.818 1 -> 17.2 5.112 2 -> 17.2	Fentanyl-D5 Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfudrocodone-D3 Noroxycodone-D3 Noroxycodone-D3 O-desmethyl-tramadol			300.2 -> 286.2 -> 266.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 150.1 -> 286.2 -> 271.1 -> 233.2 -> 286.2 -> 233.2 -> 250.2 ->		5.153 4.901 6.070 6.573 5.476 5.018 5.018	6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284 -> 58.3	C aconicary namada
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 1 -> 165 5.599 1 -> 165 6.544 11 -> 97.1 5.112 2 -> 175 6.571 1 -> 101 6.070 1 -> 140 6.572 1 -> 84.2 5.455 2 -> 2287 5.017 1	Fentanyl-D5 Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5 Norfnydrocodone-D3 Noroxycodone-D3			300.2 -> 286.2 -> 266.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 150.1 -> 150.1 -> 286.2 -> 271.1 -> 233.2 -> 286.2 -> 302.1 ->		5.153 4.901 6.070 6.573 5.476 5.123	6/25/2018 11:17 AM 6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199 -> 284	O-desmethyl-tramadol
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 3 -> 165 6.544 1 -> 97.1 5.112 2 -> 1752 4.818 2 -> 1752 4.818 2 -> 185 6.570 2 -> 184.2 5.455 2 -> 84.2 5.455 2 -> 202 5.123 2	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Tramadol-13C-D7 Methadone-D9 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5 Norhydrocodone-D3	5 1 6 2 2 6 1 3 1 2		300.2 -> 286.2 -> 238.1 -> 266.2 -> 266.2 -> 266.2 -> 266.2 -> 399.2 -> 310.2 -> 150.1 -> 286.2 -> 414.3 -> 271.1 -> 233.2 -> 286.2 ->		5.153 4.901 6.070 6.573 5.476	6/25/2018 11:17 AM 6/25/2018 11:17 AM	-> 140 -> 84.2 -> 199	Noroxycodone
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 11 -> 97.1 5.112 2 -> 172 4.818 2 -> 140 6.572 2 -> 84.2 5.455 2	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5 Norfentanyl-D5			300.2 -> 286.2 -> 238.1 -> 266.2 -> 266.2 -> 266.2 -> 399.2 -> 219.1 -> 310.2 -> 150.1 -> 286.2 -> 414.3 -> 271.1 -> 233.2 ->		5.153 4.901 6.070 6.573 5.476	6/25/2018 11:17 AM 6/25/2018 11:17 AM	-> 140 -> 84.2	Norhydrocodone
-> 105 6.682 1 -> 44.3 6.442 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 11 -> 97.1 5.112 2 -> 1752 4.818 2 -> 101 6.070 2 -> 140 6.572	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3 Nordiazepam-D5	1 6 2 2 6 1 3 1 2		300.2 -> 286.2 -> 238.1 -> 266.2 -> 266.2 -> 266.2 -> 399.2 -> 219.1 -> 219.1 -> 150.1 -> 286.2 -> 286.2 -> 286.2 -> 271.1 ->		5.153 4.901 6.070 6.573	6/25/2018 11:17 AM 6/25/2018 11:17 AM	-> 140	Norfentanyl
-> 105 6.682 1 -> 44.3 6.442 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 13 -> 97.1 5.112 2 -> 152 4.818 2 -> 101 6.070	Fentanyl-D5 Filioxetine-D6 Hydrocodone-D6 Hydrocodone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methadone-D9 Methamphetamine-D11 Morphine-D6 Norbuprenorphine-D3	0 2 2 0 4 4 4 2 1		300.2 -> 286.2 -> 238.1 -> 266.2 -> 266.2 -> 219.1 -> 219.1 -> 310.2 -> 150.1 -> 286.2 -> 414.3 ->		5.153 4.901 6.070	6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM		Nordiazepam
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 13 -> 97.1 5.112 2 -> 152 4.818	Fentanyl-D5 Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11 Morphine-D6	6 2 2 6 4 6 4 2		300.2 -> 286.2 -> 238.1 -> 238.1 -> 266.2 -> 266.2 -> 399.2 -> 219.1 -> 310.2 -> 150.1 -> 286.2 ->		5.153	6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM	414.3 -> 101	Norbuprenorphine
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 129 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 11 -> 97.1 5.112 2	Fentanyl-D5 Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9 Methamphetamine-D11			300.2 -> 286.2 -> 238.1 -> 266.2 -> 266.2 -> 219.1 -> 310.2 -> 310.2 -> 150.1 ->		5.153	6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM	286.2 -> 201	Morphine
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 4 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 2 -> 268 6.544 1	Fentanyl-D5 Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7 Methadone-D9			300.2 -> 286.2 -> 238.1 -> 266.2 -> 399.2 -> 219.1 -> 310.2 ->		0.000	6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM	150.1 -> 91.1	Methamphetamine
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1 -> 165 5.599 3	Fentanyl-D5 Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3 Meprobamate-D7			300.2 -> 286.2 -> 238.1 -> 266.2 -> 399.2 -> 219.1 ->		6.565	6/25/2018 11:17 AM 6/25/2018 11:17 AM 6/25/2018 11:17 AM	310.2 -> 265	Methadone
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1 -> 58.3 5.635 1	Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3 Tramadol-13C-D3			300.2 -> 286.2 -> 238.1 -> 266.2 -> 399.2 ->		5.620	6/25/2018 11:17 AM	219.1 -> 158	Meprobamate
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1 -> 58.3 5.635 1	Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4 Tramadol-13C-D3			300.2 -> 286.2 -> 238.1 -> 266.2 ->		6.699	6/25/2018 11:1/ AM	399.2 -> 238	Mitragynine
-> 105 6.682 1 -> 44.3 6.442 1 -> 202 5.710 2 -> 185 5.060 2 -> 129 6.230 1	Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6 Ketamine-D4			300.2 -> 286.2 -> 238.1 ->		6.615	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	266.2 -> 195	Mirtazapine
-> 105 6.682 11 -> 44.3 6.442 11 -> 202 5.710 2 -> 185 5.060	FentanyI-D5 Fluoxetine-D6 Hydrocodone-D6 Hydromorphone-D6			300.2 -> 286.2 ->		6.231	6/25/2018 11:17 AM	238.1 -> 125	Ketamine
6.682 1 6.442 1 5.710	Fentanyl-D5 Fluoxetine-D6 Hydrocodone-D6			300.2 ->		5.123	6/25/2018 11:17 AM	286.2 -> 184	Hydromorphone
6.682	Fluoxetine-D6		Infinity			5.773	6/25/2018 11:17 AM	300.2 -> 198	Hydrocodone
6.682	Fentanyl-D5	" "		Infinity 310.1 -> 148		6.444	6/25/2018 11:17 AM	310.1 -> 44.3	Fluoxetine
	רכל -כל			337.2 ->		6.702	6/25/2018 11:17 AM	337.2 -> 105	Fentanyl
6.205	FDDP-D3	74541		279.2 ->		6.205	6/25/2018 11:17 AM	279.2 -> 235	EDDP
······	Doxylamine-D5	y 1844	. Infinity	156.65 271.2 -> 167	270128	5.880	6/25/2018 11:17 AM]	Doxylamine
259.2 -> 167 6.270 1798470	Diphenhydramine-D3	0 76886	390.40	329.21 256.2 -> 152	309304	6.290	6/25/2018 11:17 AM	256.2 -> 167	Diphenhydramine
,,,,,,,,	Dihydrocodeine-D6	4 15668	33.74	22.57 302.2 -> 128	23512	5.241	6/25/2018 11:17 AM	302.2 -> 198	Dihydrocodeine
198 6.710	Diazepam-D5	6 28773	91.36	180.61 285.1 -> 153	44295	6.711	6/25/2018 11:17 AM	285.1 -> 193	Diazepam
	Dextrorphan-D3	4 28570	2716.84	330.88 258.2 -> 133	46910	5.616	6/25/2018 11:17 AM	258.2 -> 157	Dextrorphan
6.369	Dextromethorphan-D3	2 58624	626.92	53.10 272.2 -> 147	60580	6.389	6/25/2018 11:17 AM	272.2 -> 171	Dextromethorphan
279.2 -> 215 6.672 646375	Cyclobenzaprine-D3	3 38208	70.73	212.05 276.2 -> 231	122879	6.693	6/25/2018 11:17 AM	276.2 -> 214	Cyclobenzaprine
306.2 -> 218 5.485	Codeine-D6	0 8736		1885.95 300.2 -> 165	10307	5.548	6/25/2018 11:17 AM	300.2 -> 215	Codeine
320.1 -> 217 6.319	Clonazepam-D4	7 6427	*******	605.63 316.1 -> 213	23965	6.340	6/25/2018 11:17 AM		Clonazepam
331.2 -> 109 6.256 1004868	Citalopram-D6	7 48451	401.77	105.43 325.2 -> 262	201609	6.277	6/25/2018 11:17 AM	*********	Citalopram
183 6.126	Carisoprodol-D7		71.96		*********	6.127	6/25/2018 11:17 AM	176	Carisoprodol
6.250	Bupropion-D9	2 81064	87.32	585.80 240.1 -> 131	155129	6.291	6/25/2018 11:17 AM	240.1 -> 184	Bupropion
185 5.955	Cocaine-D3		75.47			5.976	6/25/2018 11:17 AM	304.2 -> 182	Cocaine
147.2 -> 130 4.911 110141	Amphetamine-D11	y 60800	Infinity	167.31 136.1 -> 119	104098	4.972	6/25/2018 11:17 AM	136.1 -> 91.1	Amphetamine
******	Alprazolam-D5	9 53070		7571.90 309.1 -> 205	51846	6.505	6/25/2018 11:17 AM	309.1 -> 281	Alprazolam
240.2 -> 91.1 5.986 733293	alpha-PVP-d8	8 55800	98.58	Infinity 232.2 -> 77.1	144523	6.068	6/25/2018 11:17 AM	232.2 -> 91.0	alpha-PVP
330.1 -> 302 6.379 54704	a-hydroxyalprazolam-D5	9 5150	41.49	39.25 325.1 -> 215	9579	6.400	6/25/2018 11:17 AM	325.1 -> 297	a-hydroxyalprazolam
305.2 -> 287 5.017 152837	Noroxycodone-D3	1 29018	80.61	5915.39 268.2 -> 56.3	29537	5.573	6/25/2018 11:17 AM	268.2 -> 116	Metoproiol
298.2 -> 171 5.304	Benzoylecgonine-D8	3 11367	39.33	84.22 290.1 -> 105	18593	5.325	6/25/2018 11:17 AM	290.1 -> 168	Benzoylecgonine
290.1 -> 121 5.507 177198	7-Aminoclonazepam-D4	7 23438	243.97	100.71 286.1 -> 222	38978	5.529	6/25/2018 11:17 AM	286.1 -> 121	7-aminoclonazepam
334.2 -> 165 5.502	6-MAM-D6	1 1366	6.31	5.26 328.2 -> 211	1559	5.543	6/25/2018 11:17 AM	328.2 -> 165	6-MAM
Transition RT Resp.	Name	Area	S/N	S/N Transition	Resp.	RT	Acq. Date-Time	Transition	Name
ISTD Results	ISTD Method	Qualifier 1 Results	Qualifier	sults Qualifier 1 M	I cal 1-1a Results	p1	p1 cal 1-1a	10d	Compound Method



tell barroamo	hod	p1 cal 1-1a	<u>5</u>	p1 cal 1-1a Results	sults	Qualifier 1 M	Qualifier 1 Results	Results	ISTD Method	d	ISTO Results	esuits
Compound Menior								•	7		P -	Desp
Nomo	Transition	Aca, Date-Time	召	Resp.	S/N	Transition	S/N	Area	Name	Hansinon	Desp.	Nesp.
Nalin	1,01101001			-			1000	02076	Code line Do	309 1 -> 275 6 810 418363	6810	418363
The second secon	206 1 -> 158	306 1 > 158 6/25/2018 11:17 AM	6.831	74310	117.25	117.25 306.1 -> 2/5	18/02	/4350	/435U Serualline-Do	000.1 -7 270	0.0	
Sertraline	000.1 -7 100	C C C C C C C C C C C C C C C C C C C				201 1 200	21 77	2/5/2	2/5/3 Temazenam-D5	306.1 -> 260 6.527 515166	6.527	515166
Temazenam	301.1 -> 255	301.1 -> 255 6/25/2018 11:17 AM	0.548	92397	3/0.4/	3/0.4/ 301.1 -7 203	21.77	0.0		2002	E 50E -	5700073
1011000000	0010 × 600	6/25/2018 11:17 AM	5 656	277352	144.07	144.07 264.2 -> 43.3	11.69	10464	10464 Iramadol-13C-D3	208.2 -7 30.3 3.000 140007	0.000	1400070
Tramadol	204.2 -> 30.3	204.2 -> 30.3 0/23/2010 11.17 / 11/1	0.000		000	2000		1707	Trazodone-D6	378.2 -> 182 6.884 1106525	6.884	1106525
Transdone	370 2 -> 176	372 2 -> 176. 6/25/2018 11:17 AM	6.904	238047	855.20	855.20 3/2.2 -> 148	20.787	1/0/	1/0/		200	200710
1100000010			F 001	202728	100 78	100 78 278 2 -> 260	28.56	48276	28.56 48276 Venlafaxine-D6	284.2 -> 64.3 3.900 13204/	0.900	10204/0
Venlafaxine	2/8.2 -> 58.3	2/8.2 -> 58.3 6/25/2018 11.17 AM	0.30	0.301 200720	100.70	1.0:1		2001	3 - 1 - 1 - 20	21/2 - 225 6 //3 140112	2773	1401123
Zalaidom	308 2 -> 235	308 2 -> 235 6/25/2018 11:17 AM	6.445	6.445 244260	Infinity	Infinity 308.2 -> 263	22954	923/4	22954 923/4	017.7 , 200	0: -	



		S	-						
6.740	392.2 -> 226	Quetiapine-D8		3847 - 7001			6/25/2018 11.30 AM	١٧	Promethazine
6.813	288.2 -> 89.2	Promethazine-D3		285 1 -> 71 3				150.1 -> 65.2	Phentermine
5.254	155.2 -> 96.2	Phentermine-D5		150 1 -> 133				302.1 -> 284	Oxymorphone
4.713	305.2 -> 287	Oxymorphone-D3		315.2 -> 241			_	316.2 -> 298	Oxycodone
5 381	200 2 -> 304	Oxazepaiii-Da		287.1 -> 268				287.1 -> 240	Oxazepam
6 385	200.2 -> 04.3	O-desmethyl-tramador		250.2 -> 42.3			.	250.2 -> 58.3	O-desmethyl-tramadol
л С	DEG 2 ~ 64.3	Noroxycodone-D3		302.1 -> 186	-		6/25/2018 11:36 AM	302.1 -> 284	Noroxycodone
5.123	2052 > 207	Norhydrocodone-D3		286.2 -> 171			6/25/2018 11:36 AM	286.2 -> 199	Norhydrocodone
7 0.40	238.2 -> 84.2	Nortentanyl-U5	y	233.2 -> 55.3			6/25/2018 11:36 AM	233.2 -> 84.2	Norfentanyl
7,727	2/6.1 -> 140	Nordiazepam-U5		271.1 -> 208			. 6/25/2018 11:36 AM	V	Nordiazepam
0.090	41/.3 -> 101	Norbuprenorphine-U3		414.3 -> 57.3				νĺ	Norbuprenorphine
4.818	292.2 -> 152	Morphine-D6		286.2 -> 165				286.2 -> 201	Morphine
5.112	161.2 -> 97.1	7 Methamphetamine-D11	Infini 46647	Infinity 150.1 -> 119	123821	5.173 13		150.1 -> 91.1	Methamphetamine
6.544	319.3 -> 268	Methadone-D9		310.2 -> 105				310.2 -> 265	Methadone
5.599	226.2 -> 165	Meprobamate-D7		219.1 -> 97.1				219 1 -> 158	Menrohamate
5.635	268.2 -> 58.3	Tramadol-13C-D3		399.2 -> 174			mm		Mitrogypine
5.635	268.2 -> 58.3	Tramadol-13C-D3		266.2 -> 72.3					Mirtazanine
6.230	242.1 -> 129	Ketamine-D4		238.1 -> 220					Ketamine
5.060	292.2 -> 185	Hydromorphone-D6		286.2 -> 157			mm.	286 2 -> 184	Hydromorphone
5.710	306.2 -> 202	Hydrocodone-D6		300.2 -> 128			······································	300.2 -> 198	Hydrocodone
6.442	316.2 -> 44.3	Fluoxetine-D6		310.1 -> 148				۷	Flinoxetine
6.682	342.3 -> 105	Fentanyl-D5	44 44 44	337.2 -> 188				337.2 -> 105	Fentanyl
6.205	282.2 -> 235	EDDP-D3		279.2 -> 250				۷l	FDDP
5.858	276.2 -> 187	Doxylamine-D5		271.2 -> 167				۷ I	Dovulamine
6.270		Diphenhydramine-D3		V				۷l	Dinhenhydramine
5.1/8		Dihydrocodeine-D6		302.2 -> 128					Dihydrocodeine
6./10	198	Diazepam-D5		ľ				V	Diazepam
5.616	15/	Dextrorphan-D3		258.2 -> 133				v	Dextrorphan
0.309		Dextromethorphan-D3		272.2 -> 147				V	Dextromethorphan
0.0/2	774 CI2	Cyclobenzaprine-D3		ľ				276.2 -> 214	Cyclobenzaprine
0.460	210	Codeine-D6		۱			6/25/2018 11:36 AM	300.2 -> 215	Codeine
D 40E		Clonazepam-D4		ľ			6/25/2018 11:36 AM	316.1 -> 269	Clonazepam
6 210	247	Citalopram-Do		325.2 -> 262			6/25/2018 11:36 AM	325.2 -> 109	Citalopram
8 256	100	Carlsopiodoi-D/		١'n			6/25/2018 11:36 AM	261.2 -> 176	Carisoprodol
8 138	102	Bupropion-D9		240.1 -> 131	-		6/25/2018 11:36 AM	240.1 -> 184	Bupropion
350	105	Cocaine-Do		304.2 -> 105			6/25/2018 11:36 AM	304.2 -> 182	Cocaine
ח אל מ	3073 > 105	Ampnetamine-D11		5.53 136.1 -> 119	15432	4.931 1	6/25/2018 11:36 AM	136.1 -> 91.1	Amphetamine
4 0 1 1	130	Alprazolam-Do		309.1 ->			6/25/2018 11:36 AM	309.1 -> 281	Alprazolam
6 484	200	alpna-rvr-us		232.2 -> 77.1			6/25/2018 11:36 AM	232.2 -> 91.0	alpha-PVP
2002	04 4	ZUIdIII-DJ		325.1 -> 215			6/25/2018 11:36 AM	325.1 -> 297	a-hydroxyalprazolam
6 379	202			268.2 -> 56.3	-		6/25/2018 11:36 AM	268.2 -> 116	Metoproiol
5 017	287			290.7 -> 105			6/25/2018 11:36 AM	290.1 -> 168	Benzoylecgonine
5 304	171	1		285.1 -> 222			6/25/2018 11:36 AM	286.1 -> 121	7-aminoclonazepam
5 507				328.2 -> 211			6/25/2018 11:36 AM	328.2 -> 165	6-MAM
5.502)	<u>a</u>	O/N Alea	Iransi	sp. S/N	RT Resp.	Acq. Date-Time	Transition	Name
7	Transition	Namo				1			
					340 -1005		1		Compound Method



Zolpidem 308.2 -> 235 6/25/2018 11:36 AlM	Vehidakilia 2,0,2 200 200 200 200 200 200 200 200 2	1/25/2018 11:36 AM 2/8.2 -> 260			Tramadol 264.2 -> 58.3 6/25/2016 11.30 AWI		Temazebam 301.1 -> 233 0/23/2010 11.30 NW			306.1 -> 2/5		Name Transition Acq. Date-Time RT Resp. S/N Transition		Compound Method p1 negative p1 negative Results Qualifier 1 M
100::	263	260	000	148		<u>ښ</u>		283		2/5	21	on S/N Alea)	1 M Qualifier 1 Re
***************************************	Zolpidem-D6	VEHICIAN E-DO	Monlafavine-DB	Irazodone-Do	1	ramadol-13C-D3	1 1 100 00	l emazepani-us		Oct Hallie-Do	Controlling Do	Name		e
	314.2 -> 235 6.443 14030	100.11	2842->643 5.5	3/0.2 -7 102 0.0	370 3 - 183 6 884	200.2 - 200.3) 100 3 / no 3 n n n n n n n n n n n n n n n n n n	300.1 -> 200 0.02.	306 1 2 360 65	000.1 - 1.0 0	200 1 -> 275 6810		Transition R	
	14030		360 13153	1010	284 11848	11100:	335 14106	0,0,00	573436		310 428645		RT Resp.	10101100000



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Orotionino	Promethazine	Phentermine	Oxymorphone	Oxycodone	Oxazepam	O-desmethyl-tramadol	Noroxycodone	Norhydrocodone	Norfentanyl	Nordiazepam	Norbuprenorphine	Morphine	Methamphetamine	Methadone	Meprobamate	Mitragynine	Mirtazapine	Ketamine	Hydromorphone	Tiyalocodolic	Lindrocadone	Fluovatina	Fontany	FUUP	Doxylamine	Diphenhydramine	Dihydrocodeine	Diazepam	Dextrorphan	Dextromethorphan	Cyclobenzaprine	Codeine	Clonazepam	Citalopram	Carisoprodol	Bupropion	Cocaine	Amphetamine	Alprazolam	alpha-PVP	a-hydroxyalprazolam	Metoprolol	Benzoylecgonine	7-aminoclonazepam	6-MAM	Name	Compound wiceness	
384 2 -> 253	285.1 -> 86.2	150.1 -> 65.2	302.1 -> 284	316.2 -> 298	287.1 -> 240	250.2 -> 58.3	302.1 -> 284	286.2 -> 199	233.2 -> 84.2	2/1.1 -> 140	414.3 -> 101	280.2 -> 201	150.1 -> 91.1	310.2 -> 265	219.1 -> 158	399.2 -> 238	cel <- 7.007	236.1 -7 123	200.2 -> 105	200 × 184	300 2 -> 198	v	٧l	279.2 -> 235	271.2 -> 182	256.2 -> 167	302.2 -> 198	285.1 -> 193	258.2 -> 157	272.2 -> 171	276.2 -> 214	300.2 -> 215	316.1 -> 269	325.2 -> 109	261.2 -> 176	240.1 -> 184	304.2 -> 182	136.1 -> 91.1	309.1 -> 281	232.2 -> 91.0	325.1 -> 297	268.2 -> 116					1	
[2 6/25/2018 11:55 AM	2 6/25/2018 11:55 A.M	ļ		-		·			J			_					!·						1	. 6/25/2018 11:55 AM		. 6/25/2018 11:55 AM		ļ		·]	-1	-]	~}~~~~			6/25/2018 11:55 AV	6/25/2018 11:55 AM	-	~{·····	6/25/2018 11:55 AM	6/25/2018 11:55 AM	6/25/2018 11:55 AM	6/25/2018 11:55 AM	6/25/2018 11:33 AM	Acq. Date-Time	7 1 1	n1 external conrol
								5.123	1				0.170	5 172						5 123	5.752											57/57						4.931								2	P.	p1 exte
								8824						120530							422424											12561					***************************************	24962		***************************************						nesp.	Doen	p1 external conrol Results
) Infinity																		169.19						4.97								9	N/S	ol Results
384.2 -> 221	285.1 -> 71.3	150.1 -> 133	302.1 -> 227	316.2 -> 24	, \	250.2 -> 42.3	0500 > 100	0.44 200.2 -7 17 1	,	223 2 -> 55 3	271 1 -> 208	414.3 -> 57.3			310.2 -> 105	219 1 -> 97.1	399 2 -> 174_	266.2 -> 72.3		19 286.2 -> 157	Infinity 300.2 -> 128	310.1 -> 148	337.2 -> 188	279.2 -> 250	V	256.2 -> 152	302.2 -> 128	١٧		V	1 2	300.2 -> 16	316.1 -> 21	325.2 -> 202	201.2 -> 363	240.1 -> 131	304.2 -> 105		1	200 1 > 205	020.1 771	325 1 -> 215	268 2 -> 56 3	290 1 -> 105	3	328.2 -> 211	Transition	Qualifier 1 M
:	3	5	9 -	41					15.04	~				202.66					:	741.00	Infinity	1	1		-		- -	;			-	. 3602	7	İ													S/N	Qualifier 1 Resul
									6044					6 48192						0 1520												. 33120	7														Area	1 Resul
Quetiapine-D8	Promethazine-U3	Fleliening-D3	Dhentermine-D5	Oxycoudite-bo	Oxygodone-D6	Ovazenam-D5	O-desmethyl-tramadol-		1	Norfentanyl-D5	Nordiazepam-D5	Norbuprenorphine-D3		1	Methadone-D9	Meprobamate-D7	Tramadol-13C-D3	Tramadol-13C-D3	ercen.mo	Hydromorphone-D6		of annua	Fentanyi-D5	EUUT-U3	Doxylamine-D3	Doxydamine-D5	Dispositive Da	Dibydrocodeine-D6	Deviloipiaii-00	Dextromban-D3	Devtromethornhan-D3			Clonazenam-D4	Citalogram-D6	Carieoprodol-D7	Burronion-Do	Cocaine-D3	Amphetamine-D11	Alprazolam-D5	alnha-PVP-d8	a-hydroxyalprazolam-D5	Noroxycodone-D3	Benzoylecgonine-D8	7-Aminoclonazepam-D4	6-MAM-D6	Name	ISTD Method
392.2 -> 226	1	C 08 <- C 88C	155.2 -> 96.2	305.2 -> 287	322.2 -> 304			305.2 -> 287	289.2 -> 202	238.2 -> 84.2	276.1 -> 140	417.3 -> 101	292.2 -> 152	161.2 -> 97.1	319.3 -> 268	226.2 -> 165	268.2 -> 58.3	268.2 -> 58.3	242.1 -> 129	292.2 -> 185	306.2 -> 202	316.2 -> 44.3	342.3 -> 105	202.2 - 200	270.2 -> 235	2762 -> 187	2502 -> 167	308 2 -> 202	v	261 2 -> 157	275.2 -> 171	279.2 -> 215	306 2 -> 218	320.1 -> 217		268.2 -> 183	249 2 -> 185_	307.2 -> 185	147.2 -> 130	314.1 -> 286	240.2 -> 91.1	330.1 -> 302	305.2 -> 287	298.2 -> 171	290.1 -> 121	334.2 -> 165	Transition	
b./4U	_ -							h	-	5.455	6.552	6.070		5.112	6.544	5.599	5.635	5.635	. 6.230	-		we ram				*****					vuu oo fa		5.505			6.126	6.250	5.955	4.931	6.484	5.986	6.379	5.017	5.304	5.507	5.502	RT	יטוצו
309390									61539	692132	89141	31970		366182	13324	152857	14970	14970	528126	80484	27004	22/2/	1.166/1	17001	120248	16435	18438	138827	210305	271915	316570	666422	43970	41663	10434	459691	755300	833252	111849	261651	765330	55283	174427	5666	152829	57338	Resp.	ISID Results

Northern cooking out at some time as hydromorphene- reaction from hydromorphene. A

Zolpidem	Venialaxine	17-1-5-1-0	Trazodone		Tramadol	10110100000	Temazenam	Concentration	Settraline	The state of the s	No.	2000	And the second s	Compound Method		
308.2 -> 235	6,000	278 2 -> 58 3	3/2.2 -> 1/0	272 2 2 176	264.2 -> 58.3		301.1 -> 255		306.1 -> 158			Transition		DOC		
308.2 -> 235 6/25/2018 11:55 AN		278 2 -> 58 3 6/25/2018 11:55 AV	0/20/2010 11:00:00	070 0 176 6/05/0018 11.55 AM	264.2 -> 58.3 6/25/2018 1:55 AW	SOF SOAD AA.TT AM	301.1 -> 255 6/25/2018 11:55 AM	001001011010	306.7 -> 158 6/25/2016 11.33 714	201504044.00	The second secon	Acq. Date-Time		p i external control	1 - +	
									0.00			<u> </u>	7	ף נאמי	nt eyter	
						••••			10000	779233		Zesp.			lonnol len	***************************************
***************************************										2526.53		2	0		Results	***************************************
000.4	308 2 -> 263	2/0.2 -/ 200	030 S S 080	3/2.2 -> 148		264.2 -> 43.3		301 1 -> 283		779233 2526.531 306.1 -> 2/5	2	11011011011	C/N Transition		nt external conrol Results Qualifier 1 M	
										C027) 		SZ		Qualifier 1 Resul	
										1045	7640		Area		1 Resul	
2	Zolpidem-D6		Venlafaxine-D6	19200010 00	Transplane-D6	I falliador- lac-pa	T	I GIII a Ze Daili - DO	Tomazonam-Ds	OCI HOLLIC DO	7640 Sertraline_D2	THE PARTY AND TH	Name	теленде аласандарда од	ISID Method	· · ·
	314.2 -> 235	200	284.2 -> 64.3 5.960		378 2 -> 182 6.884	700.7	268 2 -> 58 3 5 635	000:-	306 1 -> 260 6.527		309.1 -> 275 6.810		Iransition	;	0	
	314.2 -> 235 0.443 13300	6 440 10560	5.960 13/30	0350	6.884 11450		5 635 14970		6.527 549509		6.810 410/61		z- zesp.	7	IO ID INCOMING	ICTO Doculto



Zopiclone	Zalenion	Tapentadol	Pseudoephedrine	Phenytoin	Phencyclidine	Phenazepam	Nortriptyline	7-Aminoflunitrazepam	Normeperidine	Midazolam	Methylphenidate	Meperidine	MDMA	MDEA	MDA	Maprotiline	Levamisole	Imipramine	Flurazepam	Flunitrazepam	Estazolam	Doxepin	Desipramine	Sufentanil	Chlordiazepoxide	Carbamazepine	Acetylnorfentanyl	Amitriptyline	alpha-hydroxymidazolam	Acetylfentanyl	MAINE IN THE PROPERTY OF THE P		Compound Method
389.1 -> 244	306.1 -> 236	222.2 -> 107	166.1 -> 148	253.1 -> 104	244.2 -> 86.2	349.0 -> 206	2.15 < -> 91.2	284.1 -> 135	204.1 -7 42.3	326.1 -> 223	234.2 -> 84.2	248.2 -> 220	194.1 -> 163	208.1 -> 163	780.7 -> 163	7.16 <- 7.8/7	205.1-291.2	281.2 -> 00.2	388.2 -> 315	374.7 -> 268	295.1 -> 26/	280.2 -> 107	267.2 -> 72.3	387.2 -> 238	300.1 -> 227	237.1 -> 193	219.1 -> 84.2		_!:		11011010011	Transition	nod
	6/25/2018 11:46 AM			~	.					6/25/2010 11:46 AM							6/05/2010 11:46 AM	6/25/2018 11:46 AM	6/25/2010 11:40 AM	6/25/2010 11:40 AW			6/25/2018 11:46 AM	6/25/2018 11:46 AM	6/25/2018 11:46 AM	6/25/2018 11:46 AM	6/25/2018 11:46 AM	6/25/2018 1.46 AM	0/25/2010 11:40 AM	6/25/2016 11:40 AW	COLIOURO 11:46 VM	Aca Date-Time	p2 negative
				6.012	2																											RT	p2 r
				3/29	2122								***************************************	-																		Resp.	p2 negative Results
				9 IIIIIIII																											***************************************	S/N	Results
389.1 -> 216	306.1 -> 264	222.2 -> 121	100.1 -7 133	7		244 2 -> 91 1	349.0 -> 183	264.2 -> 233	284.1 -> 93.2	234.1 -> 160	326.1 -> 249.	234 2 -> 56 3	248.2 -> 174.	194 1 -> 105	208.1 -> 105.	180.1 -> 105.	278.2 -> 117.	205.1 -> 178.	281.2 -> 58.3	388.2 -> 317.	314.1 -> 239	295 1 -> 205	280 2 -> 77 2	2672-> 443	387 2 -> 111	300 1 -> 282	237 1 -> 194	219 1 -> 56.3	278.2 -> 105	342.1 -> 203	323.2 -> 105	Transition	Qualifier 1 M
9,		1								:						:	:	:		:												S/N Area	Qualifier
Zopiclone-D4	Zalepion-D4	Zalasias DA	Tapontadol-D3	Pseudoenhedrine-D3	Phenytoin-D10	Phencydlidine-D5	Phenazepam-D4	Nortriptyline-D3	7-aminoflunitrazepam-D7	Normeperidine-D4	Midazolam-D4	Meperidine-D4	Meperidine-D4	MDMA-D6	MDEA-D6	MDA-D5	Amitriptyline-D3	Sufentanil-D5	Imipramine-D3	Zopiclone-D4	Flunitrazepam-D7	Estazolam-D5	Doxepin-D3	Desipramine-D3	Sufentanil-D5	Chlordiazepoxide-D5	Carbamazepine-13C6	Acetylnorfentanyl-D5	Amitriptyline-D3	alpha-hydroxymidazolam	Acetylfentanyl-D5	Name	ISTD Method
393.1 -> 244	. {	310 2 -> 240	225 2 -> 107	169.1 -> 151	263.2 -> 192	249.2 -> 86.2	353.0 -> 183	267.2 -> 233	291.2 -> 138	238.2 -> 164	330.1 -> 295	252.2 -> 224	252.2 -> 224	200.2 -> 166	214.2 -> 166	185.1 -> 168	281.2 -> 91.2	392.2 -> 238	284.2 -> 61.3	393.1 -> 244	321.1 -> 245	300.1 -> 272	283.2 -> 107	270.2 -> 75.3	392.2 -> 238		243.1 -> 200	224.2 -> 84.2	281.2 -> 91.2	346.1 -> 328	328.2 -> 105	Transition	
. 6,443]				6.012	6.094	6.506	6.600	5.700	·[·····	6.630	6.013	6.013	5.245	5.386	5.105	6.798	7.008	6.737	6.443	6.429	6.391	6.495	6.539	7.008	6.593	6.136	4.977	6.798	6.466	6.508	RT	\
016/07	207010	279227	827902	383231	23248	10997	23162	429688	264117	292441	437584	400333	400333	40227	487616	228234	668767	12088	14035	207918	15257	405675	800630	16015	12088	372195	13875	524562	668767	426773	21636	Resp.	esults



RT Resp. S/N Transition S/N Area Name Transition 323.2 ~ 105 Acetylientaryl-D5 328.2 ~ 105 Alpha-hydroxymidazolam 346.1 ~ 328 327.1 ~ 203 Alpha-hydroxymidazolam 346.1 ~ 328 227.1 ~ 56.3 Apha-hydroxymidazolam 346.1 ~ 328 227.2 ~ 44.3 Apha-hydroxymidazolam 346.1 ~ 226 227.2 ~ 44.3 Apha-hydroxymidazolam 326.1 ~ 228 227.2 ~ 44.3 Apha-hydroxymidazolam 326.1 ~ 228 227.2 ~ 44.3 Apha-hydroxymidazolam 326.1 ~ 228 228.1 ~ 229 Anhiripyline-D3 322.2 ~ 228 228.1 ~ 229 Apha-hydroxymidazolam 328.2 ~ 224 228.1 ~ 229 Apha-hydroxymidazolam 228.2 ~ 210	Resp. S/N Transition S/N Area Name Name Acetylfentanyl-D5 323.2 -> 105 Acetylfentanyl-D5 328.2 -> 105 Alpha-hydroxymidazolam 346.1 -> 328 342.1 -> 203 Alpha-hydroxymidazolam 346.1 -> 328 342.1 -> 203 Alpha-hydroxymidazolam 346.1 -> 328 346.1 -> 328 Alpha-hydroxymidazolam 346.1 -> 328 346.1 -> 328 346.1 -> 328 346.1 -> 328 346.1 -> 328 346.1 -> 328 346.1 -> 328 326 327> 105 Aphiriphyline-D3 224.2 -> 84 224> 127 Aphiriphyline-D3 224.2 -> 124 224 224 224 224 225.1 -> 225 225.1 -> 226 225.1 -> 225 225
S/N Transition S/N Area Name 323.2 > 105 Acetylfentanyl-D5 3 342.1 > 203 alpha-hydroxymidazolam 3 278.2 > 105 Amitriptyline-D3 2 219.1 > 56.3 Acetylnorfentanyl-D5 2 297.1 > 194 Chlordiazepoxide-D5 2 300.1 > 282 Chlordiazepoxide-D5 3 387.2 > 111 Sufentanil-D5 2 267.2 > 44.3 Desipramine-D3 2 280.2 > 77.2 Doxepin-D3 2 295.1 > 205 Estazolam-D5 3 295.1 > 205 Flunitrazepam-D7 3 314.1 -> 239 Flunitrazepam-D7 3 381.2 -> 317 Zopichen-D4 3 281.2 -> 58.3 Imipramine-D3 3 281.2 -> 58.3 Imipramine-D3 3 282.1 -> 105 MDEA-D6 3 180.1 -> 105 MDEA-D6 3 194.1 -> 106 MEperdiine-D4 3 284.1 -> 93.2 Meperdiine-D4 <td>S/N Transition S/N Area Name Transition 333.2 ~ 105 Acetylfentanyl-D5 328.2 ~ 105 346.1 ~ 328 342.1 ~ 203 alpha-hydroxymidazolam 346.1 ~ 328 278.2 ~ 105 Antitriptyline-D3 281.2 ~ 91.2 278.2 ~ 105 Antitriptyline-D3 281.2 ~ 91.2 299.1 ~ 56.3 Acetylnorfentanyl-D5 243.1 ~ 200 237.1 ~ 194 Chlordiazeppine-13C6 243.1 ~ 200 237.1 ~ 282 Chlordiazeppine-13C6 243.1 ~ 200 237.1 ~ 282 Chlordiazeppine-13C6 243.1 ~ 200 387.2 ~ 111 Sufentanil-D5 305.1 ~ 286 280.2 ~ 77.2 Doxepin-D3 283.2 ~ 107 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 381.1 ~ 239 Flunitrazepam-D7 321.1 ~ 245 381.2 ~ 58.3 Imipramine-D3 281.2 ~ 91.2 281.2 ~ 105 MDA-D6 200.2 ~ 166 </td>	S/N Transition S/N Area Name Transition 333.2 ~ 105 Acetylfentanyl-D5 328.2 ~ 105 346.1 ~ 328 342.1 ~ 203 alpha-hydroxymidazolam 346.1 ~ 328 278.2 ~ 105 Antitriptyline-D3 281.2 ~ 91.2 278.2 ~ 105 Antitriptyline-D3 281.2 ~ 91.2 299.1 ~ 56.3 Acetylnorfentanyl-D5 243.1 ~ 200 237.1 ~ 194 Chlordiazeppine-13C6 243.1 ~ 200 237.1 ~ 282 Chlordiazeppine-13C6 243.1 ~ 200 237.1 ~ 282 Chlordiazeppine-13C6 243.1 ~ 200 387.2 ~ 111 Sufentanil-D5 305.1 ~ 286 280.2 ~ 77.2 Doxepin-D3 283.2 ~ 107 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 295.1 ~ 205 Estazolam-D5 300.1 ~ 272 381.1 ~ 239 Flunitrazepam-D7 321.1 ~ 245 381.2 ~ 58.3 Imipramine-D3 281.2 ~ 91.2 281.2 ~ 105 MDA-D6 200.2 ~ 166
S/N Area Name Box Acetylfentanyl-D5 3 Amitriptyline-D3 2 Amitriptyline-D3 2 Acetylnorfentanyl-D5 2 Carbamazepine-13C6 2 Chlordiazepoxide-D5 3 Sufentanil-D5 3 Desipramine-D3 3 Estazolam-D5 3 Flunitrazepam-D7 3 Zopiclone-D4 3 Imipramine-D3 3 Sufentanil-D5 3 Amitriptyline-D3 3 MDA-D5 4 MDA-D5 4 MDA-D6 4 MDMA-D6 4 Meperidine-D4 4 Mormeperidine-D4 3 Normeperidine-D4 4 Normeperidine-D3 3 Infini 8231 Normeperidine-D5 4 Phenazepam-D7 4 Phenazepam-D7 4 Phenytoin-D10 4 Phenytoin-D10 4 <td>S/N Area Name Transition Acetylfentanyl-D5 328.2 -> 105 alpha-hydroxymidazolam 346.1 -> 328 Amitriptyline-D3 281.2 -> 91.2 281.2 -> 91.2 Acetylnorfentanyl-D5 224.2 -> 84.2 243.1 -> 200 Chlordiazepoxide-D5 305.1 -> 286 392.2 -> 238 Chlordiazepoxide-D5 392.2 -> 238 392.2 -> 238 Desipramine-D3 283.2 -> 107 270.2 -> 75.3 Doxepin-D5 300.1 -> 272 301.1 -> 272 Estazolam-D5 301.1 -> 272 301.1 -> 272 Doxepiramine-D3 284.2 -> 61.3 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 392.2 -> 238 MDA-D5 Infine-D3 281.2 -> 91.2 MDA-D5 MDEA-D6 200.2 -> 166. MDMA-D6 200.2 -> 166. Meperidine-D4 252.2 -> 224 Meperidine-D4 238.2 -> 164 Normeperidine-D4 238.2 -> 164 Phencydlidine-D3 267.2 -> 233</td>	S/N Area Name Transition Acetylfentanyl-D5 328.2 -> 105 alpha-hydroxymidazolam 346.1 -> 328 Amitriptyline-D3 281.2 -> 91.2 281.2 -> 91.2 Acetylnorfentanyl-D5 224.2 -> 84.2 243.1 -> 200 Chlordiazepoxide-D5 305.1 -> 286 392.2 -> 238 Chlordiazepoxide-D5 392.2 -> 238 392.2 -> 238 Desipramine-D3 283.2 -> 107 270.2 -> 75.3 Doxepin-D5 300.1 -> 272 301.1 -> 272 Estazolam-D5 301.1 -> 272 301.1 -> 272 Doxepiramine-D3 284.2 -> 61.3 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 392.2 -> 238 MDA-D5 Infine-D3 281.2 -> 91.2 MDA-D5 MDEA-D6 200.2 -> 166. MDMA-D6 200.2 -> 166. Meperidine-D4 252.2 -> 224 Meperidine-D4 238.2 -> 164 Normeperidine-D4 238.2 -> 164 Phencydlidine-D3 267.2 -> 233
S/N Area Name B/N Acetylfentanyl-D5 3 Alpha-hydroxymidazolam 3 Amitriptyline-D3 2 Acetylnorfentanyl-D5 2 Carbamazepine-13C6 2 Chlordiazepoxide-D5 3 Sufentanil-D5 3 Doxepin-D3 3 Estazolam-D5 3 Flunitrazepam-D7 3 Zopiclone-D4 3 Imipramine-D3 3 MDA-D5 4 MDA-D6 MDA-D6 MDA-D6 MDA-D6 MDA-D6 MDA-D6 MDA-D6 MDA-D6 MDA-D7 MDA-D6 MDA-D8 MDA-D6 MDA-D9 MDA-D6 MDA-D6 MDA-D6 MDA-D7 Amitriptyline-D4 Normeperidine-D4 7-aminoflunitrazepam-D7 Nortriptyline-D3 Phenazepam-D7 Phenazepam-D7 Phenazepam-D7 Phenytoin-D10 Phenazepam-D4 Phenytoin-D3 Phenytoin	S/N Area Name Transition Acetylfentanyl-D5 328.2 -> 105 alpha-hydroxymidazolam 346.1 -> 328 alpha-hydroxymidazolam 346.1 -> 328 alpha-hydroxymidazolam 346.1 -> 328 281.2 -> 91.2 281.2 -> 91.2 Acetylnorfentanyl-D5 224.2 -> 84.2 Carbamazepine-13C6 243.1 -> 200 Chlordiazepoxide-D5 392.2 -> 238 Sufentanil-D5 392.2 -> 238 Chordiazepoxide-D5 392.2 -> 238 Doxepin-D3 283.2 -> 107 Doxepin-D3 283.2 -> 107 Estazolam-D5 391.1 -> 245 Flunitrazepam-D7 321.1 -> 245 Copicione-D4 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 Sufentanil-D5 392.2 -> 238 MDA-D5 185.1 -> 168 MDA-D5 214.2 -> 16 MDEA-D6 200.2 -> 168 MEperidine-D4 252.2 -> 224 Meperidine-D4 252.2 -> 224 Meperidine-D4 238.2 -> 164
Name Acetylfentanyl-D5 3 alpha-hydroxymidazolam 3 Amitriptyline-D3 2 Acetylnorfentanyl-D5 2 Carbamazepine-13C6 2 Chlordiazepoxide-D5 3 Sufentanil-D5 3 Desipramine-D3 3 Estazolam-D5 3 Fflunitrazepam-D7 3 Zopiclone-D4 3 Imipramine-D3 3 Sufentanil-D5 4 Amitriptyline-D3 3 MDA-D5 4 MDA-D6 4 MDMA-D6 4 MDMA-D6 4 MDMA-D6 4 Meperidine-D4 5 MDMA-D6 6 MDMA-D6 7 Meperidine-D4 7 Normeperidine-D4 7 Normitriptyline-D3 3 Phenazepam-D7 1 Normitriptyline-D3 4 Phengydlidine-D3 7 Phengydlidine-D3	Name Transition Acetylfentanyl-D5 328.2 -> 105 alpha-hydroxymidazolam 346.1 -> 328 Amitriptyline-D3 281.2 -> 91.2 Acetylnorfentanyl-D5 224.2 -> 84.2 Carbamazepine-13C6 243.1 -> 200 Chlordiazepoxide-D5 392.2 -> 238 Desipramine-D3 283.2 -> 107 Doxepin-D3 283.2 -> 107 Estazolam-D5 300.1 -> 272 Flunitrazepam-D7 321.1 -> 245 Zopiclone-D4 393.1 -> 244 Zopiclone-D4 393.1 -> 244 Imipramine-D3 284.2 -> 61.3 Sufentanil-D5 392.2 -> 238 Amitriptyline-D3 281.2 -> 91.2 MDA-D5 185.1 -> 168 MDA-D6 200.2 -> 166 MDPa-D6 200.2 -> 166 MDMA-D6 252.2 -> 224 Meperidine-D4 252.2 -> 224 Normeperidine-D4 252.2 -> 224 Normeperidine-D4 238.2 -> 164 7-aminoflunitrazepam-D7 291.2 -> 183 Phenazepam-D4
	Transition 328.2 -> 105 328.1 -> 288 2812 -> 91.2 224.2 -> 84.2 243.1 -> 200 395.1 -> 286 392.2 -> 238 270.2 -> 75.3 283.2 -> 107 300.1 -> 272 300.1 -> 272 300.1 -> 272 301.1 -> 245 392.2 -> 244 392.2 -> 248 281.2 -> 91.2 185.1 -> 168 214.2 -> 166 214.2 -> 166 214.2 -> 166 214.2 -> 166 252.2 -> 224 252.2 -> 224 252.2 -> 224 252.2 -> 224 253.0 -> 183 291.2 -> 183 291.2 -> 183 291.2 -> 183 2191.2 -> 224 2252.2 -> 192
Transition 328.2 -> 105 346.1 -> 328 281.2 -> 91.2 224.2 -> 84.2 243.1 -> 200 305.1 -> 286 392.2 -> 238 283.2 -> 107 300.1 -> 272 300.1 -> 272 300.1 -> 272 301.1 -> 244 393.1 -> 244 393.1 -> 244 281.2 -> 91.2 185.1 -> 168 281.2 -> 166 200.2 -> 166 200.2 -> 166 200.2 -> 166 214.2 ->	<u> </u>



	2021 \ 2//	7	7505	2001		21 04 1	27770		6/35/3010 11:36 AM	3004 / 344	Zoniclono
6.227 293654	310.2 -> 240	Zaleplon-D4	52525	13691	306.1 -> 264	166.95	68656	6.248	6/25/2018 11:26 AM	306.1 -> 236	Zalepion
5.609 843730	225.2 -> 107	Tapentadol-D3	55901	942.31	Infinity 222.2 -> 121	Infinity	146810	5.629	6/25/2018 11:26 AM	222.2 -> 107	Tapentadol
4.743 403751	169.1 -> 151	Pseudoephedrine-D3	1436	100.87	90.68 166.1 -> 133	90.68	713719	4.764	6/25/2018 11:26 AM	166.1 -> 148	Pseudoephedrine
6.032 20508	263.2 -> 192	Phenytoin-D10	3854	17.37	763.75 253.1 -> 182	1763.75	7852	6.053	6/25/2018 11:26 AM	253.1 -> 104	Phenytoin
6.094 1164868	249.2 -> 86.2	Phencydlidine-D5	1531	71.92	795.68 244.2 -> 91.1	795.68	212460	6.115	6/25/2018 11:26 AM	244.2 -> 86.2	Phencyclidine
6.506 20301	353.0 -> 183	Phenazepam-D4	39934	567.49	349.0 -> 183	215.79	52876	6.526	6/25/2018 11:26 AM	349.0 -> 206	Phenazepam
6.600 443999	267.2 -> 233	Nortriptyline-D3	4549	2328.59	290.68 264.2 -> 233	290.68	420695	6.480	6/25/2018 11:26 AM	264.2 -> 91.2	Nortriptyline
5.700 270422	291.2 -> 138	16574 7-aminoflunitrazepam	16574	60.17	234.19 284.1 -> 93.2	234.19	48683	5.721	6/25/2018 11:26 AM	284.1 -> 135	7-Aminoflunitrazepam
5.750 291584	238.2 -> 164	55088 Normeperidine-D4	55088	154.85	220.85 234.1 -> 160	220.85	79545	5.772	6/25/2018 11:26 AM	234.1 -> 42.3	Normeperidine
6.630 468764	330.1 -> 295	24313 Midazolam-D4	24313	123.65	290.95 326.1 -> 249	290.95	27287	6.651	6/25/2018 11:26 AM	326.1 -> 223	Midazolam
6.013 424252	252.2 -> 224	Meperidine-D4	73517	Infinity	Infinity 234.2 -> 56.3	Infinity	331051	5.812	6/25/2018 11:26 AN	234.2 -> 84.2	Methylphenidate
6.013 424252	252.2 -> 224	Meperidine-D4	40575	32.67	248.2 -> 174	Infinity	73795	6.034	6/25/2018 11:26 AM	248.2 -> 220	Meperidine
5.245 39791	200.2 -> 166	MDMA-D6	45716	80.18	194.1 -> 105	287.95	62503	5.266	6/25/2018 11:26 AM	194.1 -> 163	MDMA
5.386 545048	214.2 -> 166	77761 MDEA-D6	77761	28.97	Infinity 208.1 -> 105	Infinity	91121	5.406	6/25/2018 11:26 AM	208.1 -> 163	MDEA
5.105 235401	185.1 -> 168	32030 MDA-D5	32030	Infinity	Infinity 180.1 -> 105	Infinity	37835	5.126	6/25/2018 11:26 AM	180.1 -> 163	MDA
6.798 690090	281.2 -> 91.2	69389 Amitriptyline-D3	69389	Infinity	Infinity 278.2 -> 117	Infinity	111508	6.800	6/25/2018 11:26 AM	278.2 -> 91.2	Maprotiline
7.008 1254128	392.2 -> 238	Sufentanil-D5	47765	35504	Infinity 205.1 -> 178	Infinity	57115	5.672	6/25/2018 11:26 AM	205.1 -> 91.2	Levamisole
6.737 1441382	284.2 -> 61.3	Imipramine-D3	2610	Infinity	281.2 -> 58.3	Infinity	462752	6.758	6/25/2018 11:26 AM	281.2 -> 86.2	Imipramine
6.443 187997	393.1 -> 244	Zopiclone-D4	40753	14976	388.2 -> 317	634.27	184603	6.687	6/25/2018 11:26 AM	388.2 -> 315	Flurazepam
6.429 12841	321.1 -> 245	20672 Flunitrazepam-D7	20672	38.39	Infinity 314.1 -> 239	Infinity	59977	6.450	6/25/2018 11:26 AM	314.1 -> 268	Flunitrazepam
6.411 408539	300.1 -> 272	66152 Estazolam-D5	66152	201.61	390.84 295.1 -> 205	390.84	78124	6.413	6/25/2018 11:26 AM	295.1 -> 267	Estazolam
6.495 793842	283.2 -> 107	52638 Doxepin-D3	52638	Infinity	56.45 280.2 -> 77.2	56.45	142428	6.517	6/25/2018 11:26 AM	280.2 -> 107	Doxepin
6.559 1592865	270.2 -> 75.3	Desipramine-D3	1615	316.69	267.2 -> 44.3	Infinity	321265	6.560	6/25/2018 11:26 AM	267.2 -> 72.3	Desipramine
7.008 1254128	392.2 -> 238	Sufentanil-D5	26668	165.39	387.2 -> 111	418.74	29687	7.008	6/25/2018 11:26 AM	387.2 -> 238	Sufentanil
6.593 394142	305.1 -> 286	Chlordiazepoxide-D5	22181	41.19	300.1 -> 282	114.40	38573	6.613	6/25/2018 11:26 AM	300.1 -> 227	Chlordiazepoxide
6.136 1425069	243.1 -> 200	Carbamazepine-13C6	2415	199.18	237.1 -> 194	145.31	29139	6.137	6/25/2018 11:26 AM	237.1 -> 193	Carbamazepine
4.977 520048	224.2 -> 84.2	2406 Acetylnorfentanyl-D5	2406	23.45	243.17 219.1 -> 56.3	243.17	9575	4.998	6/25/2018 11:26 AM	219.1 -> 84.2	Acetylnorfentanyl
6.798 690090	281.2 -> 91.2	22418 Amitriptyline-D3	22418	120.18	Infinity 278.2 -> 105	Infinity	111508	6.800	6/25/2018 11:26 AM	278.2 -> 91.2	Amitriptyline
6.466 429640	346.1 -> 328	46634 alpha-hydroxymidazola	46634	334.13	46.08 342.1 -> 203	46.08	74049	6.467	6/25/2018 11:26 AM	342.1 -> 324	alpha-hydroxymidazolam
6.508 2190486	328.2 -> 105	Acetylfentanyl-D5	33524	14.27	323.2 -> 105	108.30	22301	6.509	6/25/2018 11:26 AM	323.2 -> 188	Acetylfentanyl
RT Resp.	Transition	Name	Area	S/N	Transition	S/N	Resp.	RT	Acq. Date-Time	Transition	Name
ISTD Results	d.	ISTD Method	Results	Qualifier 1 Results	Qualifier 1 M	sults	p2 cal 1-1b Results	p2	p2 cal 1-1b	od.	Compound Method



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

Extraction Date: 6-25-18 Analyst: Anne Nord

Plate lot#: 0515037 Plate Expiration: 9/28/2018

Mobile phase A: 10mM Ammonium Formate Mobile phase B: 0.1% Formic acid in MeOH

0.1% Formic Acid in Water MTBE Hexane

Blank Blood Lot: 17J20718 Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

LCMS-QQQ ID: 62340

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.
- Σ 2. Pipette 1000 μL blood (calibrated pipette) Pipette ID: k52558 in wells of analytical (standards) plate.
 - Blank blood for locations containing standards/QCs and internal standards
 - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 66759
- ≤ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- Σ 6. Transfer 800 μL of blood+base mixture to corresponding wells of SLE+ plate.
- ∠ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).

 (Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- Ø 9. Add 2.25 mL MTBE (add in 3 increments of 750uL).
- ∠ 10. Wait 5 minutes.
- 🖾 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- △ 12. Add **2.25 mL hexane** (add in 3 increments of 750uL).
- ☑ 13. Wait 5 minutes.
- △ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 66819
- 16. Reconstitute in 100μL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

Worklist path: 062518 AM 25-26 Batch Name: Cann Screen

- ☑ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
- ⊠ 3. Retention time within +/- 2% or +/-.100 min whichever is greater of the average retention time of the calibrators.
- 💢 4. Did all QCs pass for each analyte? Y/N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

M

Request for Departure from an Analytical Method
Date of Request 06/28/18
Forensic Scientist Anne Nord
Analytical Method Method 26
Type of Deviation Minor
<u>Departure</u>
Allow the response from 5ng/ml for Carboxy-THC to be evaluated as positive at the analyst's discretion.
4.3 Evaluation of Results 4.3.1 Minimum Criteria: 4.3.1.1 Analyte Administrative Threshold THC 3 ng/mL Carboxy-THC 10 ng/mL THC-OH 3 ng/mL Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC. Allow for the positive control to be prepared in house.
Rationale for Departure AM 26 is a screening method for cannabinoids, the function of the method is to indicate if cannabinoids are present. There is a potential for a positive sample to give a response in this range in the screen.
Discipline Leader Review
Departure approved- this deviation will remain in effect until the next method revision at which time the change will be made in the analytical method.
Departure Not Approved Comments:
Clera Shrum Date: 06/28/18
Celena Shrum
Toxicology Program Discipline Leader

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

 Analysis Time
 6/27/2018 11:34 AM
 Analyst Name
 ISP Tox

 Report Time
 6/27/2018 11:34 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 6/27/2018 11:34 AM
 Batch State
 Processed

Analysis Info

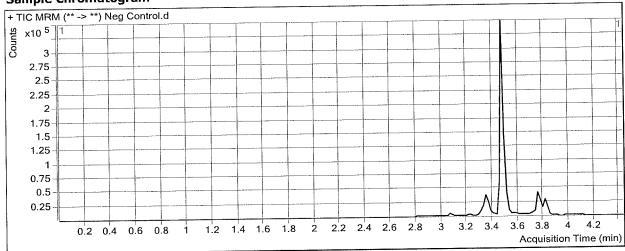
Acq Time2018-06-25 19:04Data FileNeg Control.dSample TypeSampleSample NameNeg Control

Dilution 1 Acq Method Screen THC 8-2017.m

Position P1-a2 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen negative blood lot 17J20718

Sample Chromatogram



Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

Analysis Time 6/27/2018 11:34 AM Analyst Name ISP Tox
Report Time 6/27/2018 11:34 AM Reporter Name ISP Tox
Last Calib Update 6/27/2018 11:34 AM Batch State Processed

Analysis Info

 Acq Time
 2018-06-25 19:24
 Data File
 QC 10 ng.d

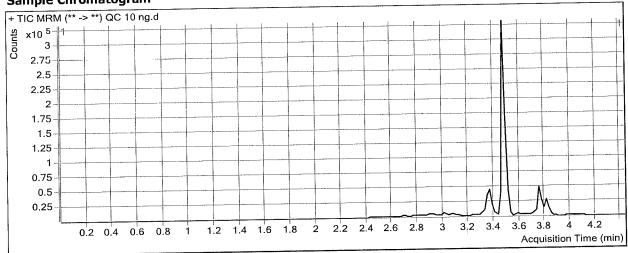
 Sample Type
 QC
 Sample Name
 QC 10 ng

Dilution 1 Acq Method Screen THC 8-2017.m

Position P1-H1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



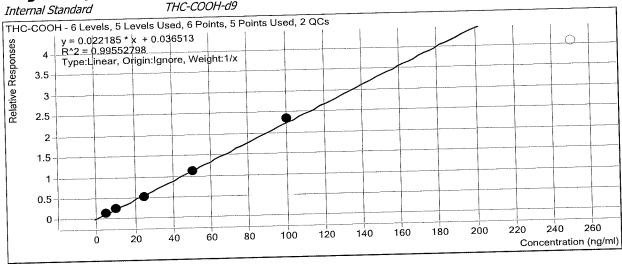
Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3,366	26912	82723	0.3253	13.0181
THC-OH	3.473	70364	601005	0.1171	9.2053
THC	3.820	6211	40277	0.1542	10.9267

ISP Forensics Calibration Curve Report

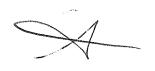
Batch Data Path Last Calib Update D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin 6/27/2018 11:34 AM Analyst Name ISP TOX

Target Compound

THC-COOH THC-COOH-d9



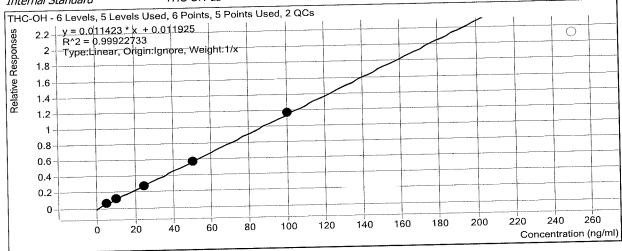
Sample cal 1 - 3ng cal 2 - 5ng cal 3 - 10ng QC 10 ng	1 2 3 3 4	Enabled □ □ □ □ □ □ □ □ □ □ □ □ □	Exp Conc 3 5 10 10	Final Conc 1.9 5.5 10.0 13.0 22.1	64.8 110.4 100.1 130.2 88.5
cal 4 - 25ng	4	I	25 50	22.1 48.7	88.5 97.4
cal 5 - 50ng cal 6 - 100ng	5 6 7	⊠ ⊠	100 250	103.6 181.8	103.6 72.7
cal 7 - 250ng	,				



ISP Forensics Calibration Curve Report

Batch Data Path Last Calib Update Target Compound
Internal Standard

THC-OH THC-OH-d3

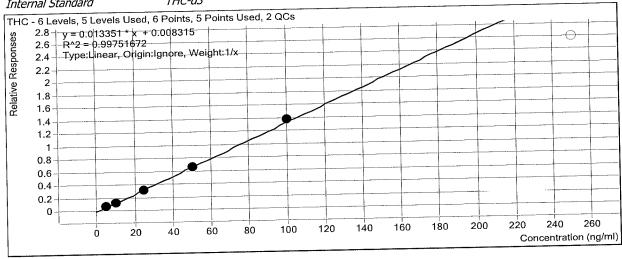


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	\square	3	1.9	65.0
cal 2 - 5ng	2	☑	5	5.2	103.6
cal 3 - 10ng	3	Ø	10	10.1	100.9
OC 10 ng	3	☑	10	9.2	92.1
cal 4 - 25ng	4	_	25	23.8	95.0
cal 5 - 50ng	5		50	49.5	99.0
	6	☑	100	101.5	101.5
cal 6 - 100ng	_			183.8	73.5
cal 7 - 250ng	7		250	103.0	, 5.5

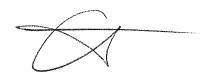
ISP Forensics Calibration Curve Report

Batch Data Path Last Calib Update D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin 6/27/2018 11:34 AM Analyst Name ISP TOX

Target CompoundTHCInternal StandardTHC-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	☑	3	2.2	73.3
cal 2 - 5ng	2	\square	5	5.6	111.1
cal 3 - 10ng	3	Ø	10	9.5	95.5
OC 10 ng	3	abla	10	10.9	109.3
cal 4 - 25ng	4	Ø	25	23.0	92.1
cal 5 - 50ng	5	Ø	50	49.4	98.9
cal 6 - 100ng	6	Ø	100	102.4	102.4
cal 7 - 250ng	7		250	193.6	77.4



D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin **Batch Data Path**

Analyst Name ISP Tox 6/27/2018 11:34 AM **Analysis Time** Reporter Name ISP Tox 6/27/2018 11:34 AM **Report Time Batch State** Processed 6/27/2018 11:34 AM **Last Calib Update**

Analysis Info

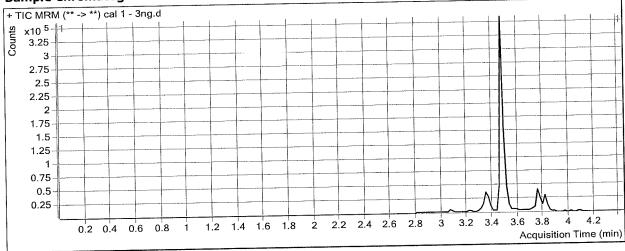
cal 1 - 3ng.d **Data File** 2018-06-25 18:18 **Acq Time** Sample Name cal 1 - 3ng QC Sample Type

Acq Method 1 Dilution Sample Info P1-a1 **Position** -1 Inj Vol

Screen THC 8-2017.m

AM 26 Cannabinoid screen Comment

Sample Chromatogram



Results				_	
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	7025	88186	0.0797	1.9446
		23481	686731	0.0342	1,9493
THC-OH	3.473				2.1995
THC	3.820	1927	51131	0.0377	2.1333

Printed at: 11:40 AM on: 6/27/2018

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

 Analysis Time
 6/27/2018 11:34 AM
 Analyst Name
 ISP Tox

 Report Time
 6/27/2018 11:34 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 6/27/2018 11:34 AM
 Batch State
 Processed

Analysis Info

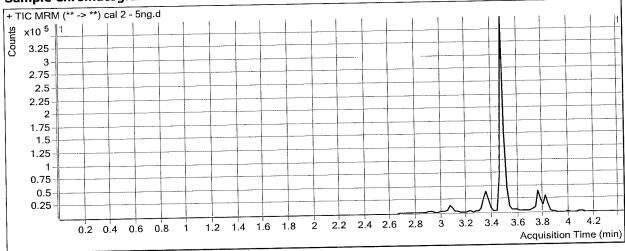
Acq Time 2018-06-25 18:25 Data File cal 2 - 5ng.d Sample Type Calibration Sample Name cal 2 - 5ng

Dilution 1 Acq Method Screen THC 8-2017.m

Position P1-B1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



Results					Einel Come
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	14488	91159	0.1589	5.5179
		50755	713868	0.0711	5.1802
THC-OH	3.473	* = · = ·		0.0825	5.5560
THC	3.820	4002	48510	V,V023	3,3300

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

 Analysis Time
 6/27/2018 11:34 AM
 Analyst Name
 ISP Tox

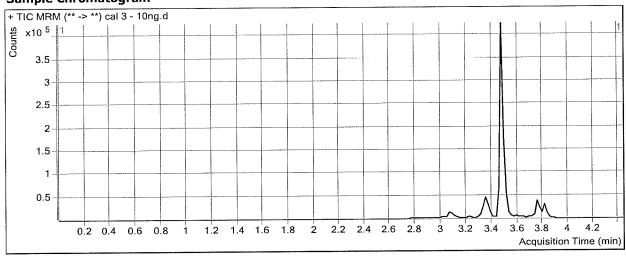
 Report Time
 6/27/2018 11:34 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 6/27/2018 11:34 AM
 Batch State
 Processed

Analysis Info

cal 3 - 10ng.d **Data File** Acq Time 2018-06-25 18:31 Calibration Sample Name cal 3 - 10ng Sample Type Screen THC 8-2017.m Acq Method Dilution 1 Position P1-C1 Sample Info Comment AM 26 Cannabinoid screen Inj Vol -1

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	25044	96863	0.2585	10.0082
THC-OH	3,473	93895	738483	0.1271	10.0867
THC	3.820	6086	44817	0.1358	9.5488

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

 Analysis Time
 6/27/2018 11:34 AM
 Analyst Name
 ISP Tox

 Report Time
 6/27/2018 11:34 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 6/27/2018 11:34 AM
 Batch State
 Processed

Analysis Info

 Acq Time
 2018-06-25 18:38
 Data File
 cal 4 - 25ng.d

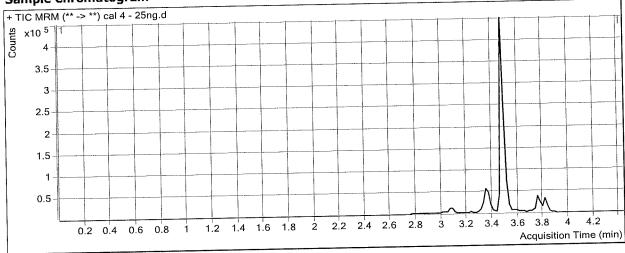
 Sample Type
 Calibration
 Sample Name
 cal 4 - 25ng

Dilution 1 Acq Method Screen THC 8-2017.m

Position P1-D1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



Results				n Datio	Final Conc
Compound	RT	Response	ISTD Resp	Resp Ratio	•
THC-COOH	3,366	51270	97204	0.5274	22.1287
THC-OH	3.473	209443	739270	0.2833	23.7577
,		13694	43388	0.3156	23.0166
THC	3.820	1303 .			

ISP cann screen report.xlsx

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

Analysis Time6/27/2018 11:34 AMAnalyst NameISP ToxReport Time6/27/2018 11:34 AMReporter NameISP ToxLast Calib Update6/27/2018 11:34 AMBatch StateProcessed

Analysis Info

 Acq Time
 2018-06-25 18:44
 Data File
 cal 5 - 50ng.d

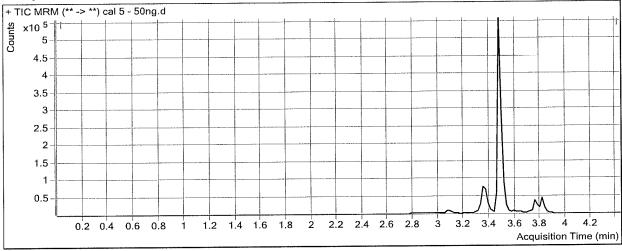
 Sample Type
 Calibration
 Sample Name
 cal 5 - 50ng

Dilution 1 **Acq Method** Screen THC 8-2017.m

Position P1-E1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	105651	94588	1.1170	48.7010
THC-OH	3.473	413353	715620	0.5776	49.5219
THC	3.820	28294	42326	0.6685	49,4467

ISP cann screen report.xlsx Printed at: 11:40 AM on: 6/27/2018

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

Analysis Time6/27/2018 11:34 AMAnalyst NameISP ToxReport Time6/27/2018 11:34 AMReporter NameISP ToxLast Calib Update6/27/2018 11:34 AMBatch StateProcessed

Analysis Info

 Acq Time
 2018-06-25 18:51
 Data File
 cal 6 - 100ng.d

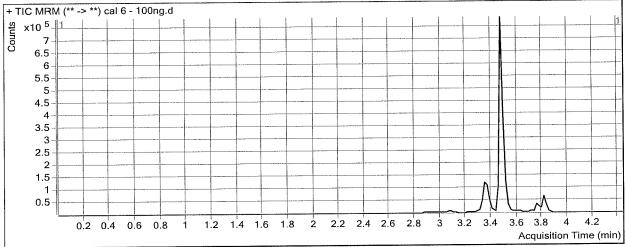
 Sample Type
 Calibration
 Sample Name
 cal 6 - 100ng

 Dilution
 1
 Acq Method
 Screen THC 8-2017.m

Position P1-F1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3.366	219252	93861	2.3359	103.6443
THC-OH	3.473	841205	718468	1.1708	101.4534
THC	3.820	65620	47693	1.3759	102.4318

A

ISP cann screen report.xlsx Printed at: 11:40 AM on: 6/27/2018

Batch Data Path D:\2018 Data\062518 AM 25-26\QuantResults\cann screen.batch.bin

 Analysis Time
 6/27/2018 11:34 AM
 Analyst Name
 ISP Tox

 Report Time
 6/27/2018 11:34 AM
 Reporter Name
 ISP Tox

 Last Calib Update
 6/27/2018 11:34 AM
 Batch State
 Processed

Analysis Info

 Acq Time
 2018-06-25 19:11
 Data File
 cal 7 - 250ng.d

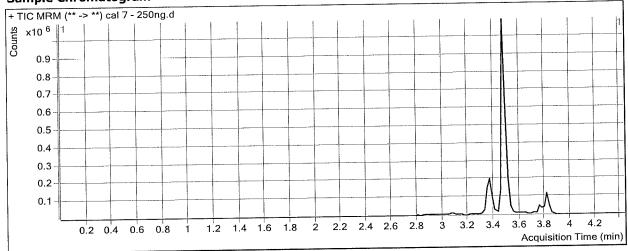
 Sample Type
 Calibration
 Sample Name
 cal 7 - 250ng

 Dilution
 1
 Acq Method
 Screen THC 8-2017.m

Position P1-G1 Sample Info

Inj Vol -1 Comment AM 26 Cannabinoid screen

Sample Chromatogram



Results					
Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	3,366	355939	87457	4.0699	181.8019
THC-OH	3,473	1515791	718033	2.1110	183.7608
THC	3,820	144918	55895	2.5927	193.5676