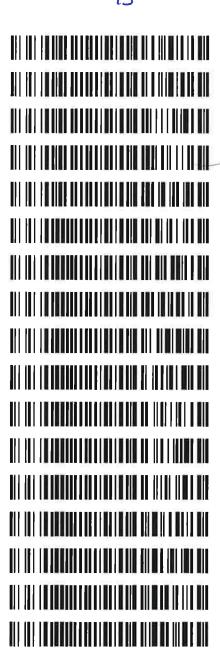
* AM7 central data available upon request.

Worklist: 3202	•
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<u>LAB CASE</u> M2019-1171	<u>ITEM</u> 1	<u>TASK ID</u> 143887	<u>DESCRIPTION</u> AM 25 Blood Multi-Drug Screen by LC-QQQ
M2019-1171	2	143891	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2019-1176	1	143916	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2019-1297	1	145182	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2019-1311	1	145285	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0785	2	144396	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0788	1	144408	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0873	3	145209	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0891	1	145430	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0895	1	145439	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0959	1	146231	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0960	1	146234	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0961	1	146278	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0980	1	146321	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0986	1	146337	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0987	1	146340	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2019-0998	1	146432	AM 25 Blood Multi-Drug Screen by LC-QQQ



15

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

Extraction Date: 04/05/19 Analyst: Tamara Salazar
Plate lot#: 0543908 Plate Expiration: 11/28/201 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: 069901

Pre-Analytic:

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- □ 3. Create worklist

Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Σ 2. Pipette 250μL blood (calibrated pipette) Pipette ID: 3 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.
- 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
- \boxtimes 8. Wait 5 minutes.
- ∅ 9. Add 900uL ethyl acetate.
- \boxtimes 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).
- □ 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 wklst 3202 re extract TS
 Worklist path: D:\MassHunter\Data\2019\AM 25\040519 MDS wklst 3202 TS

- ☑ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Worklist was originally ran on 04/04/19 but the data was unusable due to methamphetamine contamination in the controls. The worklist samples were re-extracted on 04/05/19.





Idaho State Police Forensic Services

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.

Component	Source	Source Lot Number	Expiration Date
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 Sala	zar	
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.

Component	Source	Source Lot Number
	Bource	Source Lot Number
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042618
Prepared:	12/26/18	
Prepared by:	Tamara Sal	azar
Expires:	04/26/19	



#25 Screen Results



Calibration Last Update Batch results Instrument FALCO-LCMS (Property ID 069901) 4/10/2019 8:03:56 AM D:\MassHunter\Data\2019\AM 25\040519 MDS wklst 3202 TS\QuantResults\MDS wklst 3202 re_extract TS.batch.bin Data File

Operator Sample Comment

Tamara Salazar

cal_reinject.d * Not a reinject. unchanged from previous run. Data Rie name - TS

Sample Chromatogram

Sample Info.

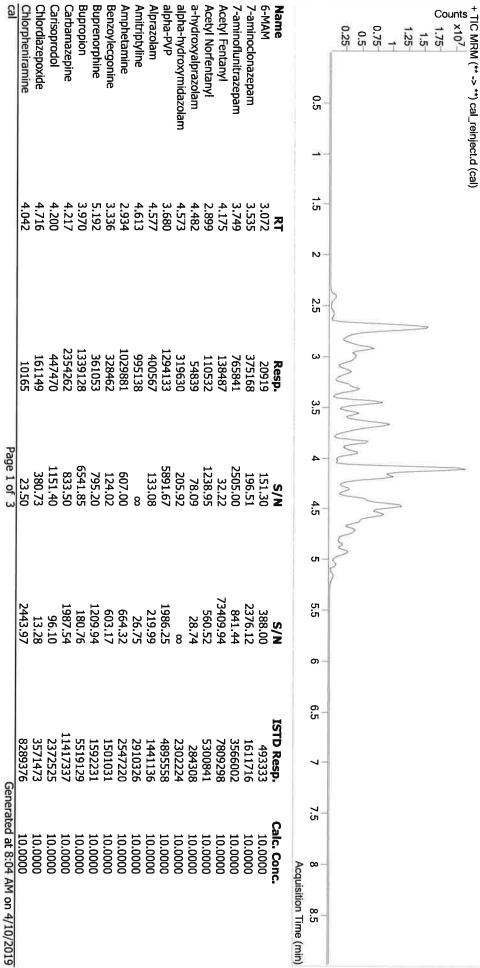
Acq. Date-Time

4/5/2019 2:49:32 PM

Sample Position Acq. Method

P1-H12 am 25 all.m

Injection Volume



AM #25 Multi-Drug Screen Results

	74	7)) -
Citalopram	4.175	984997	2374.67	97.13	4384014	10 0000
Clonazepam	4.438	211860	483.38	346.96	342269	10.0000
Cocaine	3.671	1637581	18067.39	8	7679934	10.0000
Codeine	2.970	145260	8	718.77	657036	10.0000
Cyclobenzaprine	4.505	1262085	5505.96	17.63	4482502	10,0000
Desipramine	4.506	1707321	10016.53	8	8306382	10.0000
Dextromethorphan	4.198	823553	8	4759.30	3829813	10.0000
Dextrorphan	3.447	821436	2709.83	1517.46	4547897	10.0000
Diazepam	4.825	318856	770.13	1820.78	1762499	10.0000
Dihydrocodeine	2.832	404375	8	8	2056690	10.0000
Diphenhydramine	4.138	1809131	5916.58	8	8289376	10,0000
Doxepin	4.320	866542	719.04	4.57 Low	4694306	10,0000
Doxylamine	3.689	3290024	8	16692.98	13859886	10.0000
EDDP	4.120	1881774	5997.62	7565.27	10024827	10.0000
Estazolam	4.502	799593	933.74	894.58	2026059	10.0000
Etizolam	4.588	65306	135.91	4799.61	2026059	10,0000
Fentanyl	4.420	121559	129.42	5310.97	5503916	10,0000
Flunitrazepam	4.546	307670	1015.55	1299.51	68535	10,0000
Fluoxetine	4.423	1278764	6507.97	287.34	5093880	10.0000
Flurazepam	4,464	778540	67433.35	961,21	68535	10.0000
Hydrocodone	3.212	516590	8	676.58	2495107	10.0000
Hydromorphone	2.608	480894	8	8	1699627	10,0000
Imipramine	4.566	2139743	119669.59	8	7193012	10.0000
Ketamine	3.878	1141535	8	254.12	4980491	10.0000
Lamotrigine	3.631	93917	97.78	51.54	3930852	10.0000
Levamisole	3.129	1059924	24671.95	8	7679934	10.0000
Lorazepam	4.422	75886	150.38	98,54	1580217	10.0000
Maprotiline	4.520	250210	7.16	347.09	2910326	10.0000
MDA	3.069	876962	656.31	18.72	3961915	10.0000
MDEA	3.298	1679222	8	2654.31	7133482	10.0000
MDMA	3.145	1844850	72516.87	8	1082838	10.0000
Meperidine	3.708	885979	3693.15	67.21	3930852	10.0000
Meprobamate	3.620	218167	446.56	8	1035943	10.0000
Methadone	4.454	2121921	8	2919.06	9446737	10.0000
Methamphetamine	3.040	1521161	532.89	8	6165607	10.0000
Methocarbamol	3.540	115879	132.02	44.16	3930852	10.0000
Methylphenidate	3.587	2361621	8	2636,23	10969470	10,0000
Metoprolol	3.476	211703	2751.16	10945.98	3930852	10.0000
Midazolam	4.743	246633	437.15	8	2897543	10.0000
Mirtazapine	4.400	959689	20206.46	8	3930852	10,0000
Mitter	4,463	137172	12976.87	170442 43	4694306	10 0000
ייוונוםלאווווופ	2.412	124019	2520.59	4407 84	75611	10.0000
Morphine	3.957	35752	9032.98	12356_32	168117	10,0000
Morphine Morbuprenorphine		461875	1084.58	8	1435934	10,0000

AM #25 Multi-Drug Screen Results

	To do
E C	

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.342	2050048	17156.03	521.28	8387800	10,0000
Norhydrocodone	3.002	16168	8	43.81	449584	10,0000
Normeperidine	3.649	830811	8	1209.32	3001983	10.0000
Noroxycodone	2.939	382106	22.59	8	1257735	10.0000
Nortriptyline	4.538	680993	3302.86	2019.38	1797455	10.0000
O-desmethyl-tramadol	2.928	2414390	15002.58	804.57	11024201	10.0000
Olanzapine	4.161	139310	8	119.59	70977	10.0000
Oxazepam	4.503	335118	62.84	29.64	1743533	10,0000
Oxycodone	3.028	760767	269.41	69.50	3281606	10.0000
Oxymorphone	2.423	714395	456.33	151.15	2178814	10,0000
Paroxetine	4.512	150630	73.92	244.03	3188343	10.0000
Phenazepam	4.618	281769	2269.23	466.99	1065956	10.0000
Phencyclidine	3.969	1658723	197.10	96.77	7773522	10.0000
Phentermine	3.177	459845	8	8.73	4408040	10.0000
Phenytoin	4.108	7543	48.21	43.89	70977	10.0000
Promethazine	4.596	2843800	5731.70	8	12399653	10.0000
Pseudoephedrine	2.734	14970819	8	37946.25	65829986	10.0000
Quetiapine	4.755	1688991	103146.19	12432.75	2130876	10.0000
Sertraline	4.730	662287	42.59	1412,76	3188343	10.0000
Sufentanil	4.861	118202	46414.17	379.41	5753676	10.0000
Tapentadol	3.481	1366490	8	8	6546390	10.0000
Temazepam	4.640	1055023	1031.84	174.47	4290478	10,0000
Tramadol	3.461	2478626	1883.01	74.70	12098912	10.0000
Trazodone	4.955	2147350	50422.31	3022.10	8422900	10.0000
Venlafaxine	3.857	2210934	10057.93	510.86	10707874	10.0000
Zaleplon	4.317	601473	5446.16	1372.38	1746408	10.0000
Zolpidem	4.485	2387310	2042.72	3885.56	11435639	10.0000
Zopiclone	4,448	40764	286 44	E4 20	238472	



#25 Multi-Drug Screen Results



Instrument Calibration Last Update **Batch results**

> 4/10/2019 8:03:56 AM D:\MassHunter\Data\2019\AM 25\040519 MDS wklst 3202 TS\QuantResults\MDS wklst 3202 re_extract TS.batch.bin

Acq. Date-Time Acq. Method Injection Volume Sample Position

> P1-E12 am 25 all.m Sample FALCO-LCMS (Property ID 069901)

4/5/2019 3:09:48 PM

Data File Operator Sample

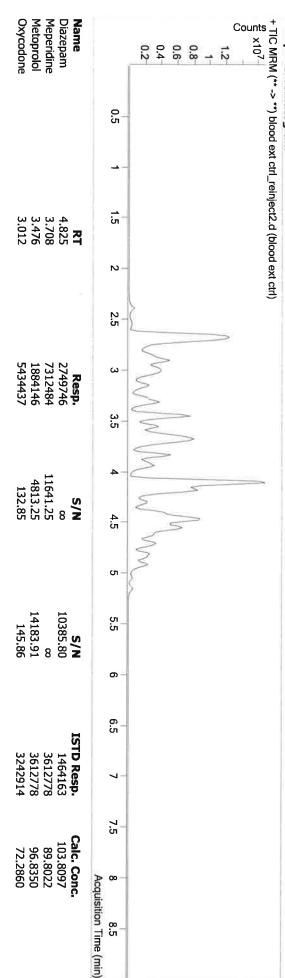
Comment

blood ext ctrl Tamara Salazar

blood ext ctrl_reinject2.d *Not a reinject. Data file name unchangel from previous run. - To

Sample Chromatogram

Sample Info.





#25 Multi-Drug Screen Results



Calibration Last Update **Batch results** Instrument

D:\MassHunter\Data\2019\AM 25\040519 MDS wklst 3202 TS\QuantResults\MDS wklst 3202 re_extract TS.batch.bin 4/10/2019 8:03:56 AM

Acq. Date-Time Sample Position Acq. Method Type Injection Volume

Sample Info.

P1-F12 am 25 all.m Sample FALCO-LCMS (Property ID 069901)

4/5/2019 2:59:45 PM

Data File Sample Operator Comment

Tamara Salazar

blood negative_reinject2.d & Not a reinject. Date file name unchanged from previous run. -D

