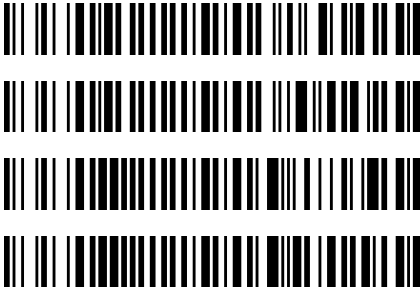


**REVIEWED**  
By Amber Gerheart at 3:08 pm, Dec 15, 2022

12/15/2022  
TS

**Worklist: 6188**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-4512	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
M2022-4606	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2022-3493	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2022-3595	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



**Worklist: 6185**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-4186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



# AM# 28: Multi-Drug Quantitation by LC-MS/MS

Extraction Date: 12/09/2022

Analyst: Celena Shrum

Plate lot#: 220816

Plate Retest Date: 02/16/2023

**Mobile phase A:** 5mM Amm Form + 0.01% FA Instant Buffer I

**Mobile phase B:** 0.01% Formic Acid in MeOH Ethyl Acetate LC Methanol

**Blank Blood Lot:** Lampire 22B52015-2

**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.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine Hydrolysis (if applicable): In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- 3. Using a calibrated pipette, pipette **250µL blood or 250µL hydrolyzed urine** into the appropriate wells of the analytical (standards) plate. **Pipette ID: 42**
- 4. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300L of blood+base or urine+base (if applicable)** 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.
- 16. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 18. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

Comments: Compounds evaluated were acetylfentanyl (0.5-100), acetylnorfentanyl (0.5-100), levetiracetam (5-1000), methocarbamol (5-500) (cal 8 dropped due to accuracy), and topiramate (25-1000) (cals 1 and 2 dropped due to accuracy).

Tamara Salazar included case sample M2022-4186-1 with this run. Celena Shrum acted as the primary analyst, performing steps 5-18. I, Tamara Salazar, approve of all steps utilized in this method.

	1	2	3	4	5	6	7	8	9	10		12
A				IS + Cal. 1	IS + QC_1	P2022-3493-1						
B				IS + Cal. 2	IS + QC_2	P2022-3595-1						
C				IS + Cal. 3	IS + QC_3							
D				IS + Cal. 4	IS + QC_4							
E				IS + Cal. 5	Neg Ctrl							
F				IS + Cal. 6	M2022-4186-1 (TS)							
G				IS + Cal. 7	M2022-4512-1							
H				IS + Cal. 8	M2022-4606-1							



	1	2	3	4	5	6	7	8	9	10	11	12
A					IS + Cal. 1	IS + QC_1	P2022-3493-1		P2022-3619-1	P2022-3490-1	M2022-4275-4	IS + Cal. 8
B					IS + Cal. 2	IS + QC_2	P2022-3595-1		P2022-3595-1	P2022-3487-1	M2022-4184-1	IS + Cal. 7
C					IS + Cal. 3	IS + QC_3			P2022-3593-1	P2022-3363-1	Neg Ctrl	IS + Cal. 6
D					IS + Cal. 4	IS + QC_4			P2022-3592-1	M2022-4840-2	IS + QC_2	IS + Cal. 5
E					IS + Cal. 5	Neg Ctrl		P2022-3663-1	P2022-3581-1	M2022-4606-1	IS + QC_4	IS + Cal. 4
F					IS + Cal. 6	M2022-4186-1 (TS)		P2022-3662-1	P2022-3544-1	M2022-4514-2	IS + QC_3	IS + Cal. 3
G					IS + Cal. 7	M2022-4512-1		P2022-3661-1	P2022-3498-1	M2022-4512-1	IS + QC_2	IS + Cal. 2
H					IS + Cal. 8	M2022-4606-1		P2022-3620-1	P2022-3493-1	M2022-4511-1	IS + QC_1	IS + Cal. 1
SLE Plate					P2			P1				

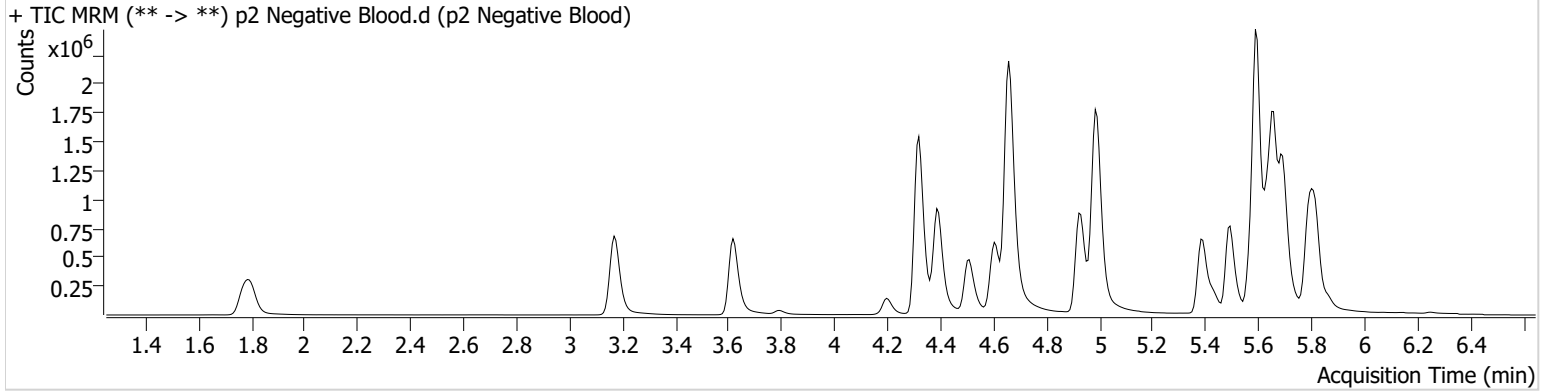


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p2 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p2 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P2 Updated 081022 CS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-E6	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/10/2022 2:39:49 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



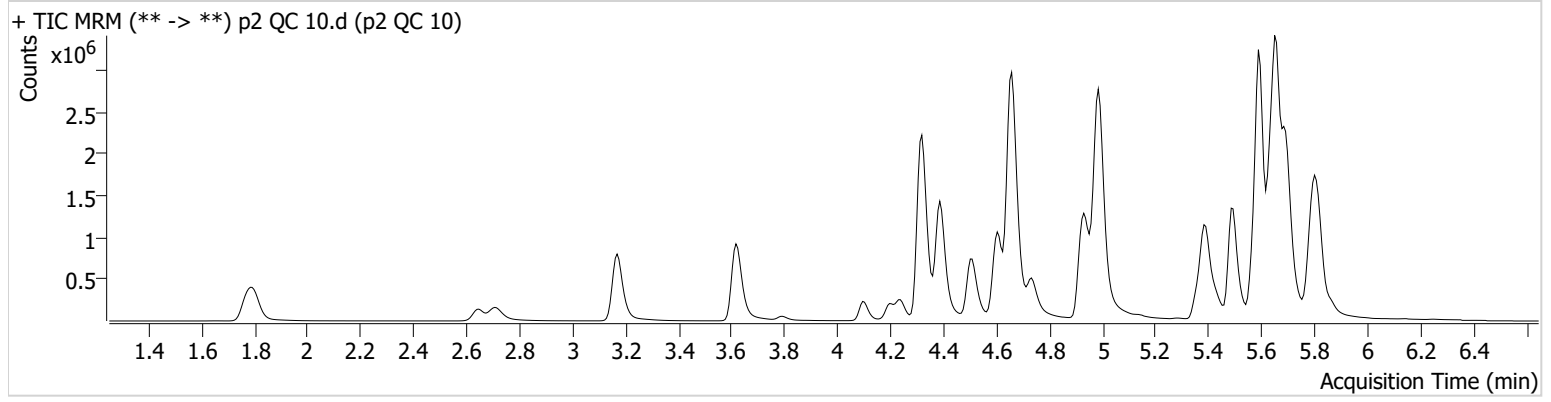


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 QC 10.d  
**Type** QC **Sample** p2 QC 10  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-A6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 1:24:42 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	60419	221.04	72.5	1590.97	3116993	0.9613 ng/ml
acetyl-norfentanyl	3.194	57046	4100.33	39.5	1254.05	2298138	1.0377 ng/ml
Levetiracetam	2.649	171295	424.23	161.9	4626.91	797047	7.5250 ng/ml
methocarbamol	4.403	54249	251.70	103.0	336.28	568187	10.5535 ng/ml
<del>Topiramate</del>	<del>4.970</del>	<del>19200</del>	<del>4269.50</del>	<del>35.4</del>	<del>8906.94</del>	<del>117752</del>	<del>3.2952 ng/ml</del> *

\*Outside curve range

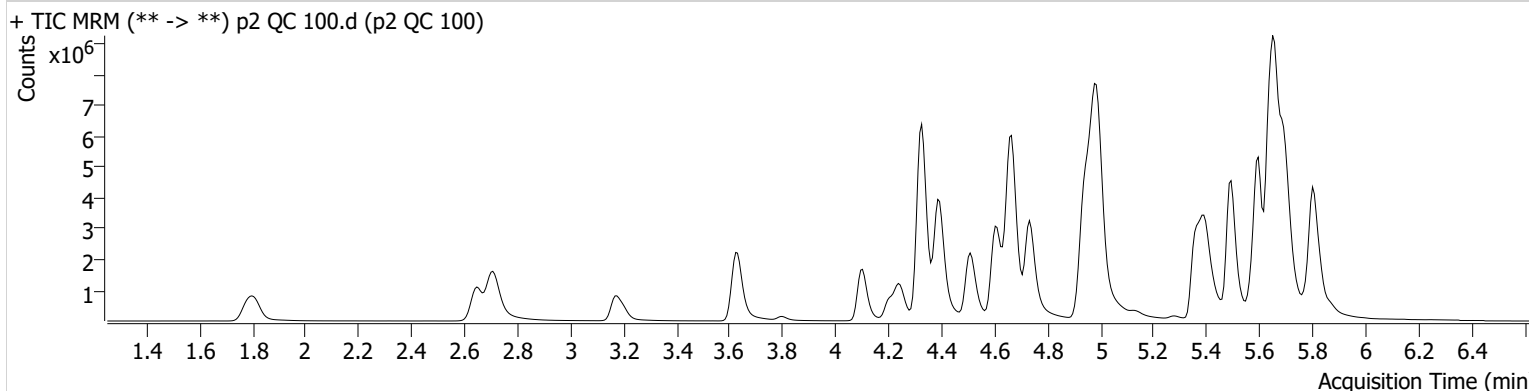


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 QC 100.d  
**Type** QC **Sample** p2 QC 100  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-B6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 4:48:40 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	535520	4719.68	73.3	3991.13	2676539	9.7162 ng/ml
acetyl-norfentanyl	3.201	541180	69161.56	39.1	10782.56	2246442	10.4574 ng/ml
Levetiracetam	2.649	1362964	8257.47	164.1	16824.49	707079	76.2354 ng/ml
methocarbamol	4.410	300678	15145.16	103.3	9643.27	339159	101.2753 ng/ml
Topiramate	4.970	91973	7373.98	33.2	4614.43	74962	106.4665 ng/ml

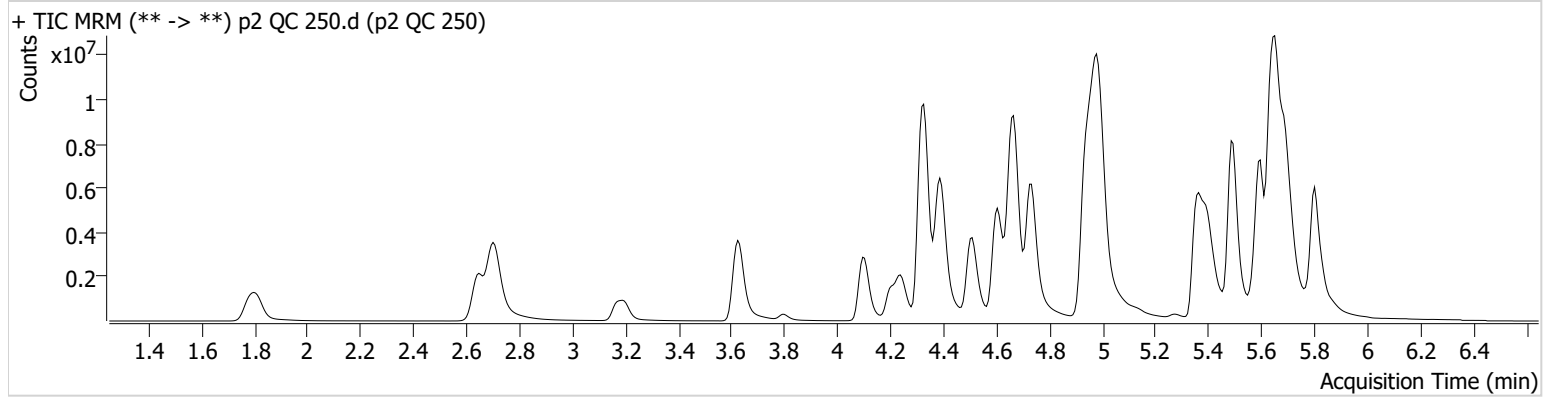


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 QC 250.d  
**Type** QC **Sample** p2 QC 250  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-C6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 1:46:08 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	1105673	7017.45	72.9	790645.01	2153737	24.8956 ng/ml
acetyl-norfentanyl	3.194	1286539	1287.26	39.2	42902.26	2163975	25.8729 ng/ml
Levetiracetam	2.649	2652137	1626.74	164.8	15876.34	493413	214.5434 ng/ml
methocarbamol	4.410	430130	3153.22	101.0	8300.49	200539	245.5847 ng/ml
Topiramate	4.970	129184	194041.56	35.9	30794.80	48876	243.8040 ng/ml

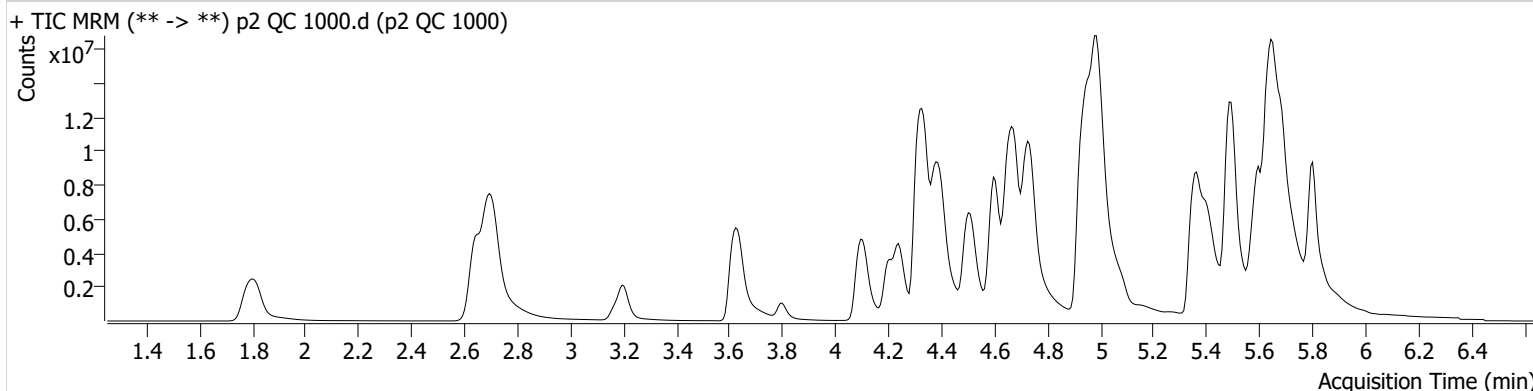


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 QC 1000.d  
**Type** QC **Sample** p2 QC 1000  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-D6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 2:07:37 PM  
**Sample Info.**

## Sample Chromatogram



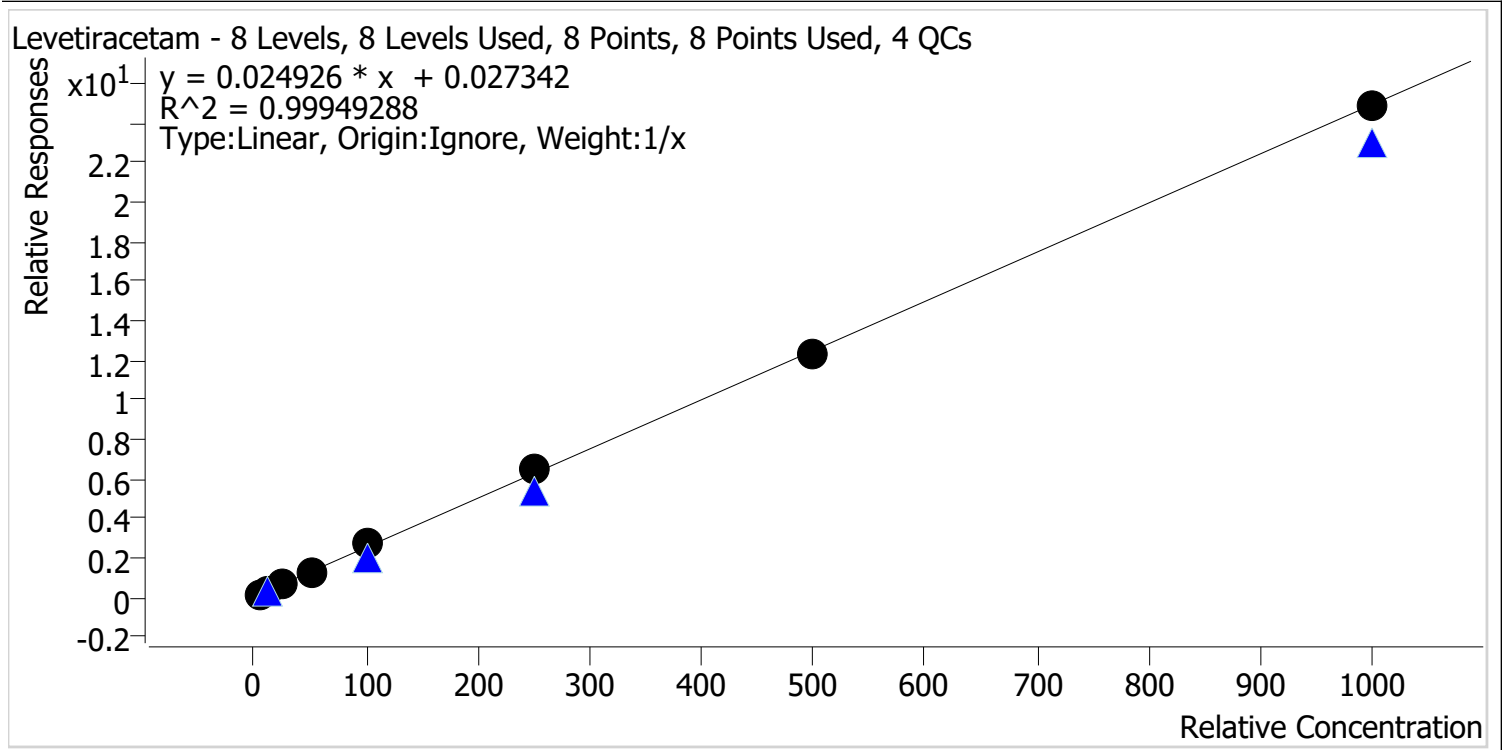
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	2390710	154706.45	77.4	397052.36	1178949	98.2726 ng/ml
acetyl-norfentanyl	3.201	4078960	54908.28	38.4	53539.92	1967965	90.3105 ng/ml
Levetiracetam	2.642	5525864	52517.33	167.4	6895.77	239612	924.1034 ng/ml
<del>methocarbamol</del>	<del>4.416</del>	<del>567885</del>	<del>2699.21</del>	<del>101.1</del>	<del>32004.50</del>	<del>41105</del>	<del>1584.0172 ng/ml*</del>
Topiramate	4.977	111796	143497.51	37.6	70450.57	11788	907.2378 ng/ml

\*Outside curve range



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Last Cal. Update** 12/15/2022 7:40 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Amitriptyline-D3

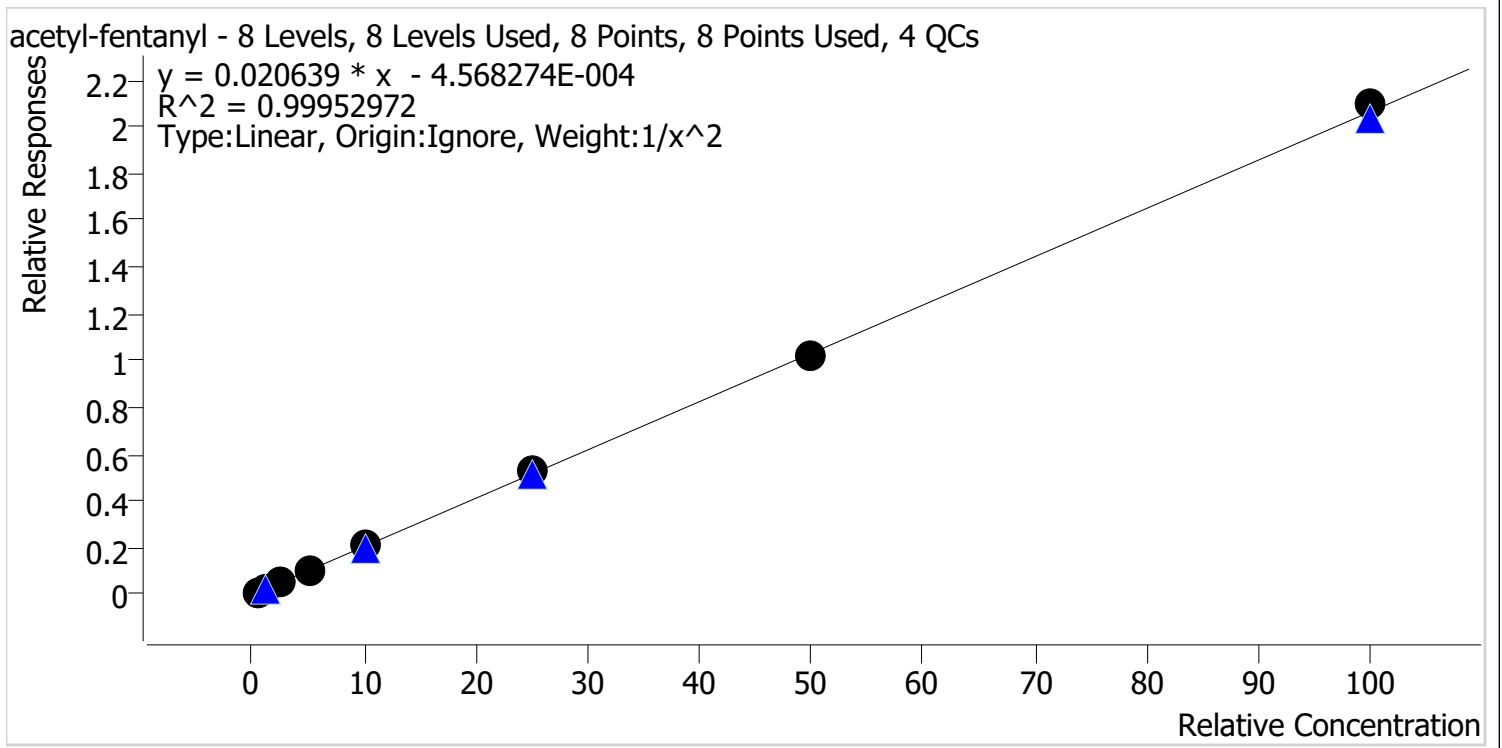


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.3	85.6
p2 Cal 2-10ng	2	✓	10.0	10.0	100.4
p2 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p2 Cal 4-50ng	4	✓	50.0	50.7	101.3
p2 Cal 5-100ng	5	✓	100.0	105.3	105.3
p2 Cal 6-250ng	6	✓	250.0	256.3	102.5
p2 Cal 7-500ng	7	✓	500.0	489.9	98.0
p2 Cal 8-1000ng	8	✓	1000.0	996.8	99.7



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Last Cal. Update** 12/15/2022 7:40 AM  
**Analyst Name** ISP\Datastor  
**Analyte** acetyl-fentanyl **Internal Standard** acetyl-fentanyl-d5



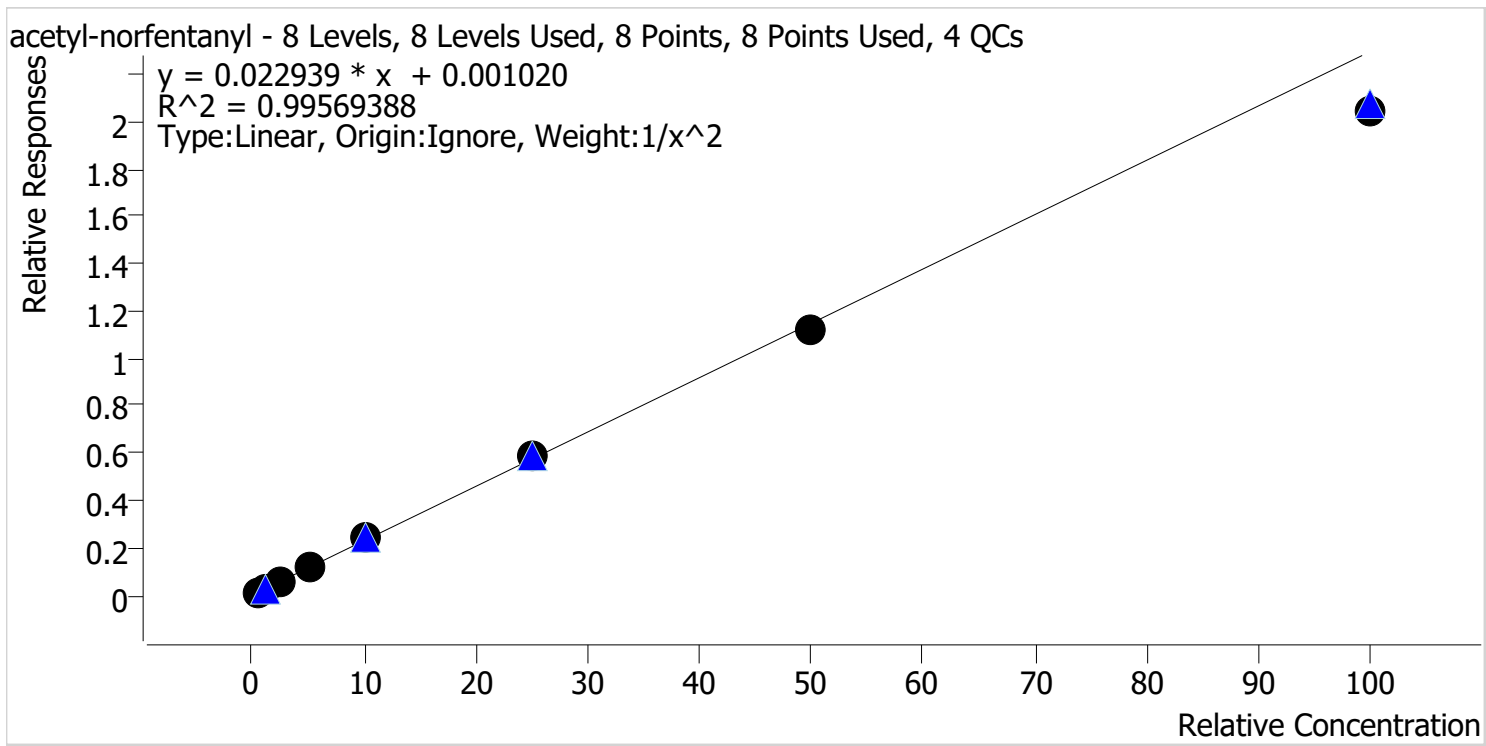
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	0.5	0.5	100.1
p2 Cal 2-10ng	2	✓	1.0	1.0	100.8
p2 Cal 3 -25ng	3	✓	2.5	2.5	99.1
p2 Cal 4-50ng	4	✓	5.0	4.8	96.6
p2 Cal 5-100ng	5	✓	10.0	10.0	99.9
p2 Cal 6-250ng	6	✓	25.0	25.7	102.9
p2 Cal 7-500ng	7	✓	50.0	49.6	99.1
p2 Cal 8-1000ng	8	✓	100.0	101.6	101.6





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Last Cal. Update** 12/15/2022 7:40 AM  
**Analyst Name** ISP\Datastor  
**Analyte** acetyl-norfentanyl **Internal Standard** acetyl-norfentanyl-d5



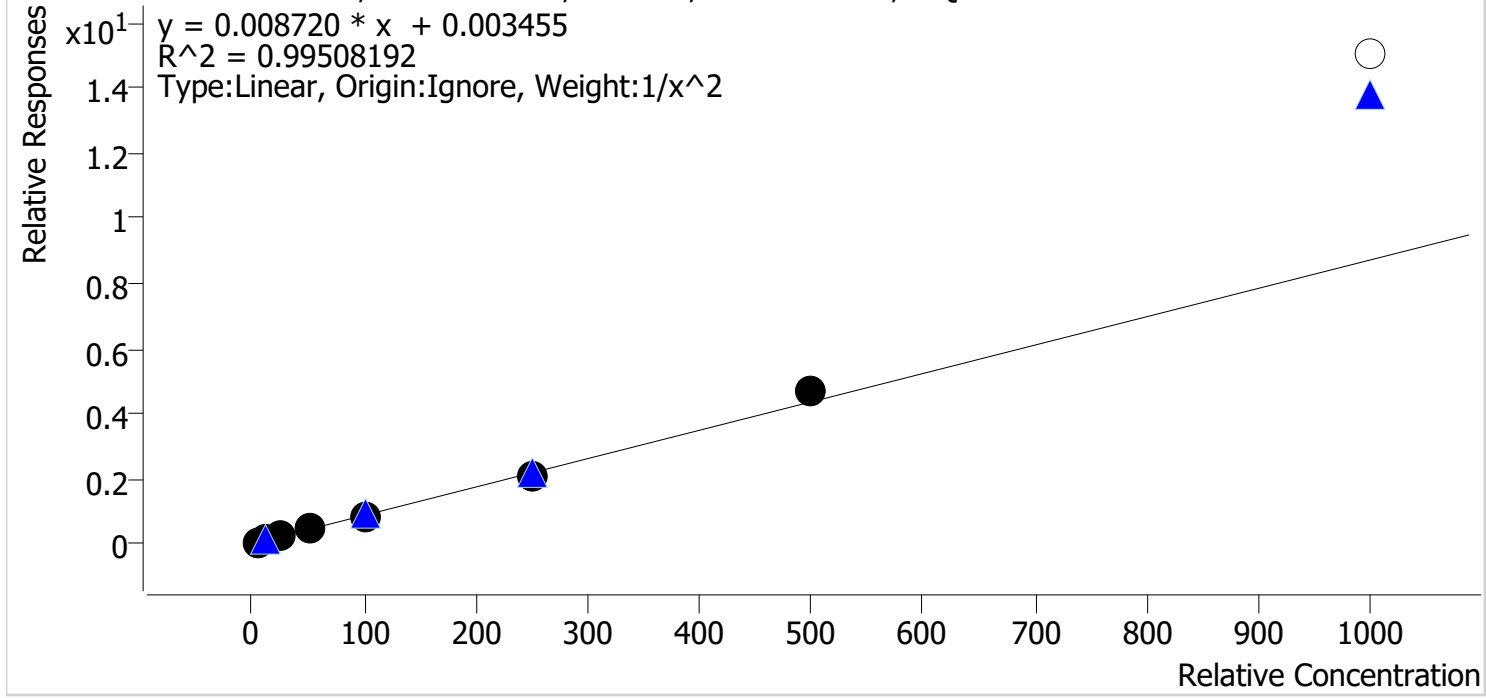
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	0.5	0.5	95.6
p2 Cal 2-10ng	2	✓	1.0	1.1	106.7
p2 Cal 3 -25ng	3	✓	2.5	2.6	103.6
p2 Cal 4-50ng	4	✓	5.0	5.1	102.1
p2 Cal 5-100ng	5	✓	10.0	10.4	104.0
p2 Cal 6-250ng	6	✓	25.0	25.5	101.8
p2 Cal 7-500ng	7	✓	50.0	48.5	97.0
p2 Cal 8-1000ng	8	✓	100.0	89.2	89.2



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Last Cal. Update** 12/15/2022 7:40 AM  
**Analyst Name** ISP\Datastor  
**Analyte** methocarbamol **Internal Standard** Flunitrazepam-D7

methocarbamol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

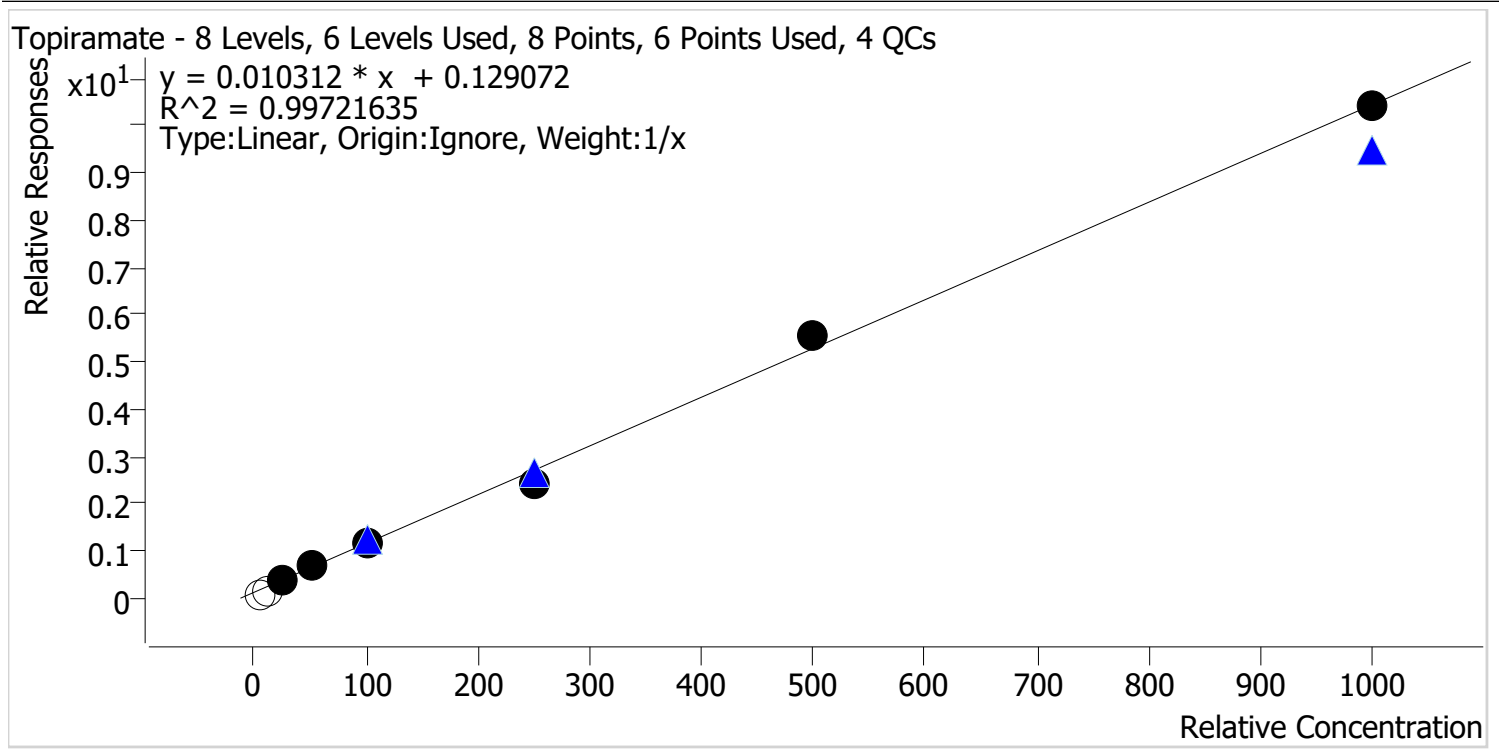


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.8	96.7
p2 Cal 2-10ng	2	✓	10.0	10.7	107.4
p2 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p2 Cal 4-50ng	4	✓	50.0	48.5	97.1
p2 Cal 5-100ng	5	✓	100.0	97.1	97.1
p2 Cal 6-250ng	6	✓	250.0	231.3	92.5
p2 Cal 7-500ng	7	✓	500.0	542.9	108.6
p2 Cal 8-1000ng	8	x	1000.0	1725.1	172.5



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Last Cal. Update** 12/15/2022 7:40 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Topiramate **Internal Standard** Topiramate-d12



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	x	5.0	0.0	0.0
p2 Cal 2-10ng	2	x	10.0	4.1	41.2
p2 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p2 Cal 4-50ng	4	✓	50.0	53.1	106.2
p2 Cal 5-100ng	5	✓	100.0	103.2	103.2
p2 Cal 6-250ng	6	✓	250.0	224.3	89.7
p2 Cal 7-500ng	7	✓	500.0	523.3	104.7
p2 Cal 8-1000ng	8	✓	1000.0	997.0	99.7



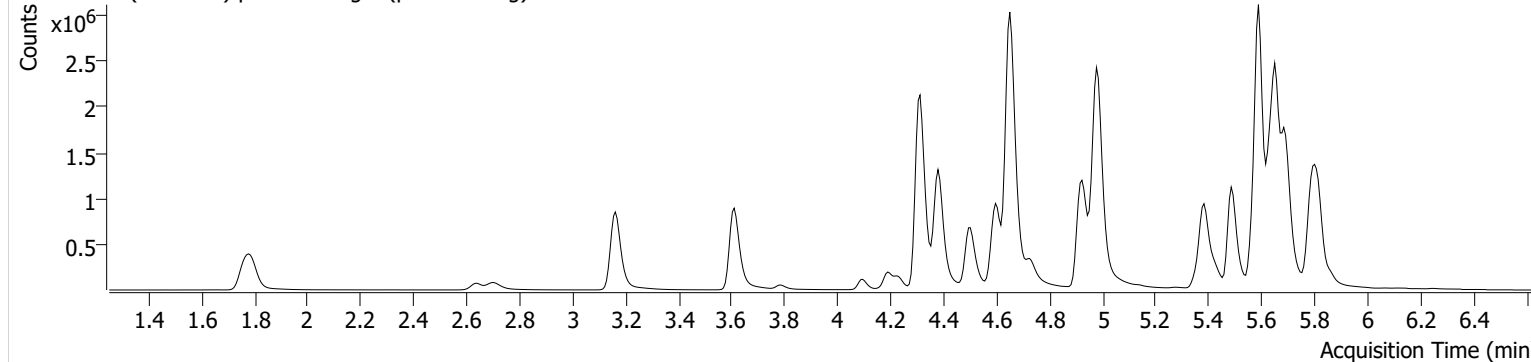
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 1-5ng.d  
**Type** Cal **Sample** p2 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-A5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 11:26:43 AM  
**Sample Info.**

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p2 Cal 1-5ng.d (p2 Cal 1-5ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.665	31119	822.50	74.3	427.67	3151900	0.5005 ng/ml
acetyl-norfentanyl	3.188	29524	1482.71	39.7	801.50	2464377	0.4778 ng/ml
Levetiracetam	2.642	88021	1789.30	163.5	215.77	656632	4.2809 ng/ml
methocarbamol	4.389	27855	828.81	100.5	303.10	610705	4.8346 ng/ml



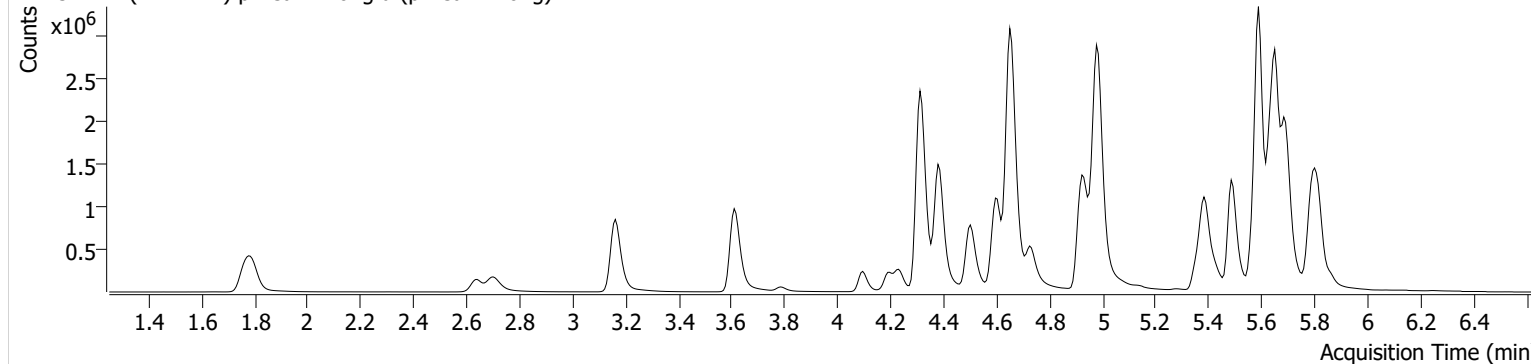
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 2-10ng.d  
**Type** Cal **Sample** p2 Cal 2-10ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-B5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 11:37:27 AM  
**Sample Info.**

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p2 Cal 2-10ng.d (p2 Cal 2-10ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.665	63530	625.93	74.8	955.76	3123470	1.0076 ng/ml
acetyl-norfentanyl	3.188	62340	8736.80	38.8	1263.99	2444831	1.0671 ng/ml
Levetiracetam	2.642	177553	3954.91	163.0	4855.09	639822	10.0361 ng/ml
methocarbamol	4.396	56853	515.09	101.2	294.62	585572	10.7383 ng/ml
Topiramate	4.970	20414	25920.73	36.7	30.44	118997	4.1193 ng/ml



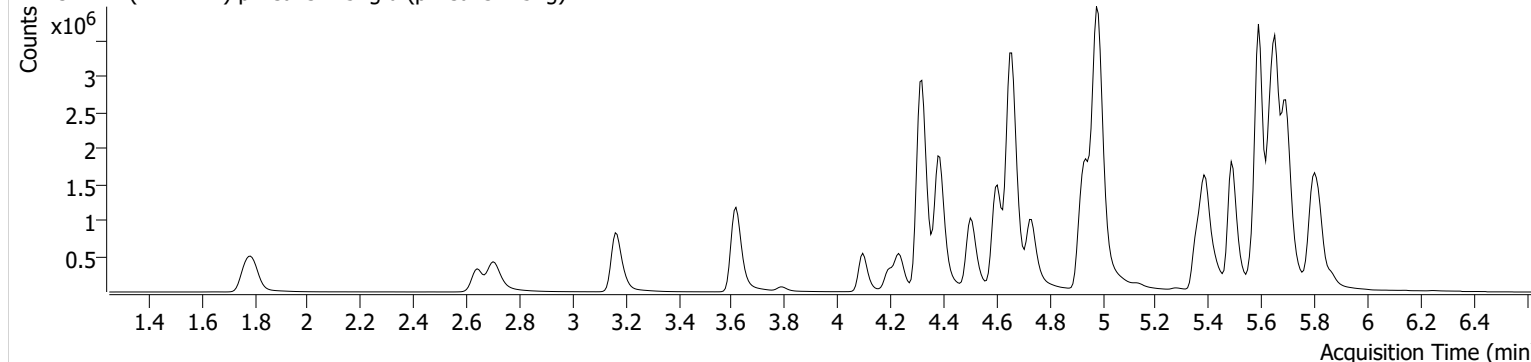
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 3 -25ng.d  
**Type** Cal **Sample** p2 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-C5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 11:48:11 AM  
**Sample Info.**

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p2 Cal 3 -25ng.d (p2 Cal 3 -25ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.665	141905	830.77	72.8	2419.63	2801204	2.4766 ng/ml
acetyl-norfentanyl	3.194	141842	437.37	39.2	2436.27	2347711	2.5893 ng/ml
Levetiracetam	2.642	386137	962.12	163.4	962.41	555183	26.8060 ng/ml
methocarbamol	4.396	125720	1069.89	101.4	2103.88	564578	25.1415 ng/ml
Topiramate	4.970	41292	75539.97	34.3	21476.68	109270	24.1298 ng/ml



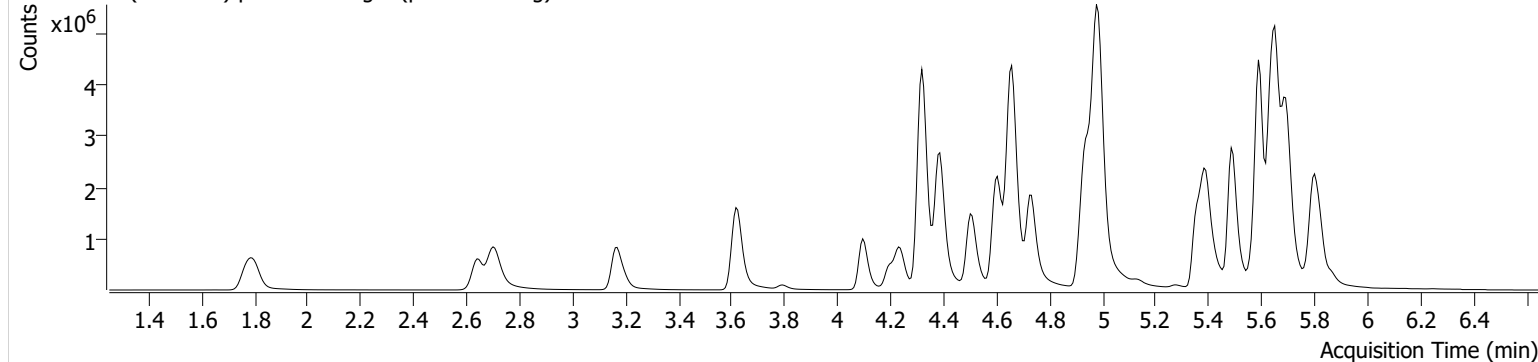
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 4-50ng.d  
**Type** Cal **Sample** p2 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-D5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 11:58:55 AM  
**Sample Info.**

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p2 Cal 4-50ng.d (p2 Cal 4-50ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.665	281384	1367.86	72.1	2582.99	2836498	4.8285 ng/ml
acetyl-norfentanyl	3.194	277631	1110.47	39.4	652.65	2349549	5.1067 ng/ml
Levetiracetam	2.642	739351	7768.72	163.0	22462.63	573006	50.6681 ng/ml
methocarbamol	4.396	207855	2159.17	102.8	112.03	487020	48.5494 ng/ml
Topiramate	4.970	67004	58.88	33.9	61729.09	99044	53.0882 ng/ml

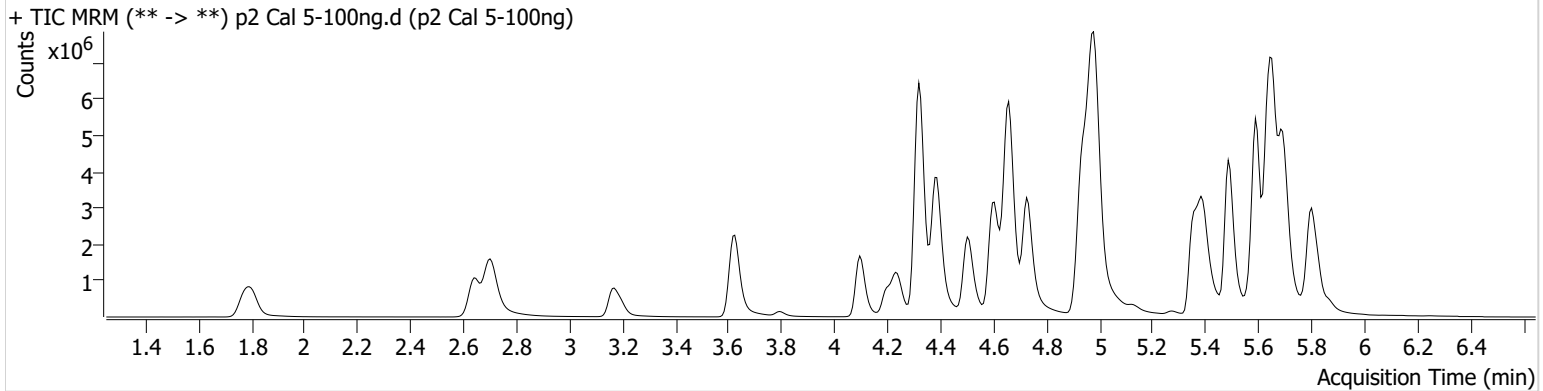


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 5-100ng.d  
**Type** Cal **Sample** p2 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-E5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 12:09:39 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.665	516386	1659.55	73.0	4319.06	2509980	9.9901 ng/ml
acetyl-norfentanyl	3.194	522633	19285.03	39.1	10610.88	2181356	10.4001 ng/ml
Levetiracetam	2.642	1327801	8396.90	164.0	887.40	500678	105.2975 ng/ml
methocarbamol	4.403	313697	8647.10	101.7	52.99	368830	97.1443 ng/ml
Topiramate	4.970	93156	70630.69	35.1	45248.80	78045	103.2372 ng/ml





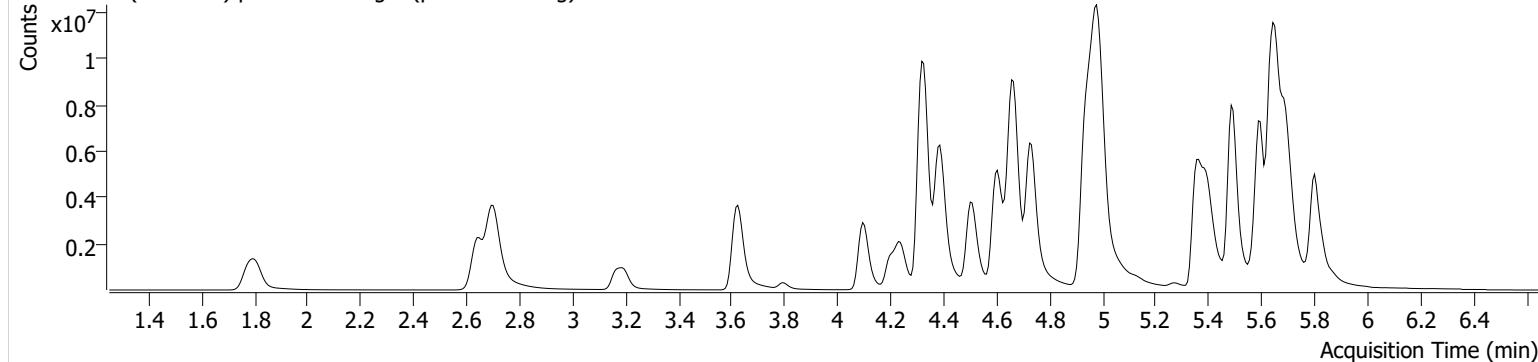
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 6-250ng.d  
**Type** Cal **Sample** p2 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-F5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 12:20:21 PM  
**Sample Info.**

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p2 Cal 6-250ng.d (p2 Cal 6-250ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	1139462	7426.17	73.6	1819.07	2147981	25.7244 ng/ml
acetyl-norfentanyl	3.194	1330174	219650.46	39.1	63175.98	2273444	25.4617 ng/ml
Levetiracetam	2.642	2799159	74677.53	164.4	66410.20	436302	256.2888 ng/ml
methocarbamol	4.410	454800	534.24	104.4	1930.46	225093	231.3222 ng/ml
Topiramate	4.970	127907	122256.21	37.3	612.12	52384	224.2744 ng/ml

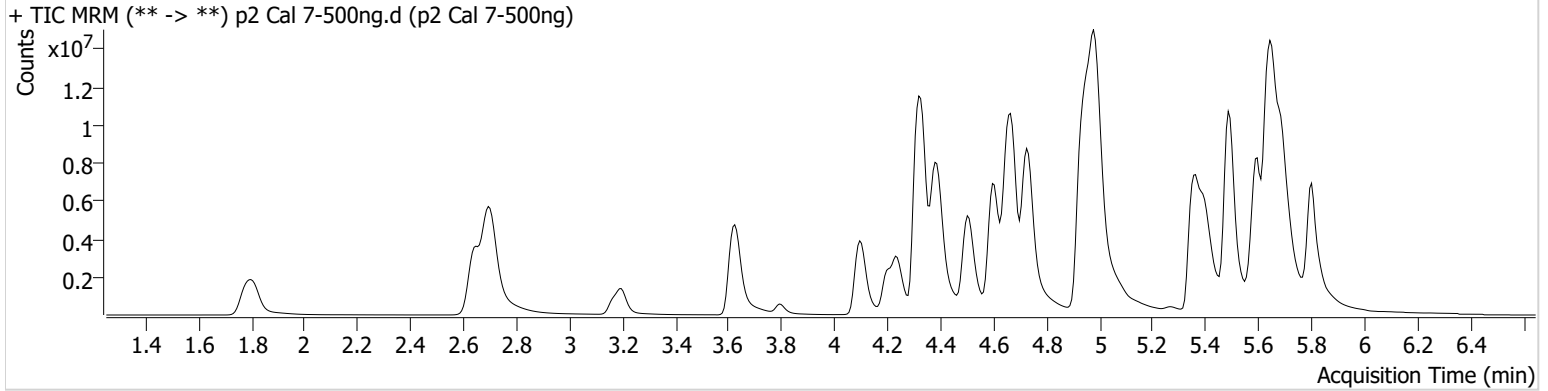


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 7-500ng.d  
**Type** Cal **Sample** p2 Cal 7-500ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-G5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 12:31:05 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	1699002	1634.90	75.7	137476.08	1661313	49.5723 ng/ml
acetyl-norfentanyl	3.194	2373757	520994.09	38.7	224725.35	2131262	48.5089 ng/ml
Levetiracetam	2.642	4092099	36709.98	166.6	41659.66	334391	489.8513 ng/ml
methocarbamol	4.410	530157	31711.21	101.9	16477.08	111903	542.9350 ng/ml
Topiramate	4.977	151644	131318.21	35.5	43795.68	27446	523.3041 ng/ml

TS

CS

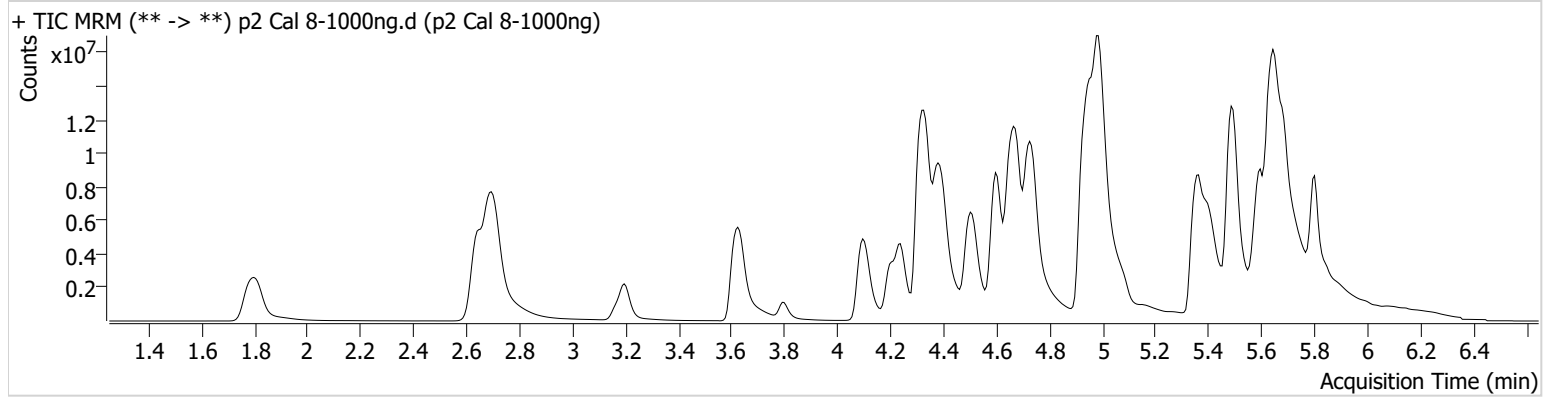


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\120922 AM 27 28 P1 P2 CS TS\QuantResults\AM 28 P2 Case Data.batch.bin  
**Calibration Last Update** 12/15/2022 7:40:59 AM

**Instrument** Falco (069901) **Data File** p2 Cal 8-1000ng.d  
**Type** Cal **Sample** p2 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P2 Updated 081022 **Operator** Celena Shrum  
**Sample Position** P2-H5 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 12/10/2022 12:41:47 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
acetyl-fentanyl	4.671	2543289	65193.33	77.8	138450.17	1213538	101.5640 ng/ml
acetyl-norfentanyl	3.194	4270882	59723.53	38.2	15479.65	2087321	89.1521 ng/ml
Levetiracetam	2.642	5815945	629.38	167.2	66320.80	233825	996.7714 ng/ml
methocarbamol	4.416	608216	15374.78	100.5	47248.23	40425	1725.0656 ng/ml
Topiramate	4.977	114544	109348.46	35.3	64352.74	11004	996.9663 ng/ml