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REVIEWED

By Britany Wylie at 12:42 pm, Nov 20, 2020

**Worklist: 4606**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-3109	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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11/19/2020

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**Worklist: 4614**

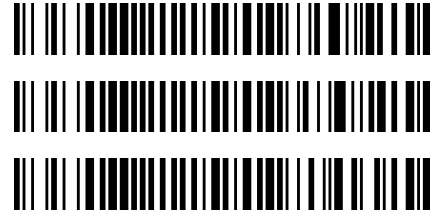
<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-2095	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-2812	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-2875	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-3167	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-3171	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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**Worklist: 4615**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-2951	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-2965	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2020-2986	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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

Extraction Date: 11/19/20  
Plate lot#: Item #: IDP-112-2 Lot:200514

Analyst: Tamara Salazar  
Plate Expiration: 11/14/20

**Mobile phase A:** 5mM Amm Form + 0.01% FA  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate 20% Methanol in Water

**Blank Blood Lot:** Lampire 20K20702

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)

**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. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer blood+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% 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? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Compounds evaluated: Amitriptyline 5-1000, Clonazolam 5-500, Doxepin 5-1000, Etizolam 5-250, Flunitrazepam 5-1000, Flurazepam 5-100, Levetiracetam 5-500, Maprotiline 5-250, Methocarbamol 5-250, Midazolam 5-1000, Nortriptyline 5-1000, Pseudoephedrine 5-1000*

*Due to extraction occurring after the expiration of the analytical plate, an external control was included with this run.*

*I, Sophia Jackson, approved of all steps utilized in this method. TS SS \$*

*I, Sarah Pickle, approved of all steps utilized in this method.*

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Tamara Salazar, Sophia Jackson, and Sarah Pickle all had samples in this batch. Tamara Salazar acted as the primary analyst and performed steps 3-16. \$ SS



# Idaho State Police Forensic Services

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## AM #28 Blood/Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 2

**Methanol External Control Solution (Lot: 022420)**  
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	193941	
Midazolam	Cerilliant	FE01161704	04/30/2022
Etizolam	Cerilliant	FN06061606	11/30/2020
Flunitrazepam	Cerilliant	FE08051602	08/31/2021
<del>Flurazepam</del>	<del>Cerilliant</del>	<del>FE02101501</del>	<del>04/30/2020</del>
Prepared:	02/24/2020		
Prepared By:	Celena Shrum		
Expires:	Per AM 21 reference materials used for qualitative purposes do not have an expiration date.		

Flurazepam not evaluated in the external positive control after 04/30/2020.

11/20/2020

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**Blood External Control Solution (Lot: WS111920)**

*50 ul of methanol external control solution was added to 4950ul of blood.  
Approximately 100ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	20K20702
Methanol External Control Solution	-	022420
Prepared:	11/19/2020	
Prepared by:	Tamara Salazar	
Expires:	Per AM 21 reference materials used for qualitative purposes do not have an expiration date.	

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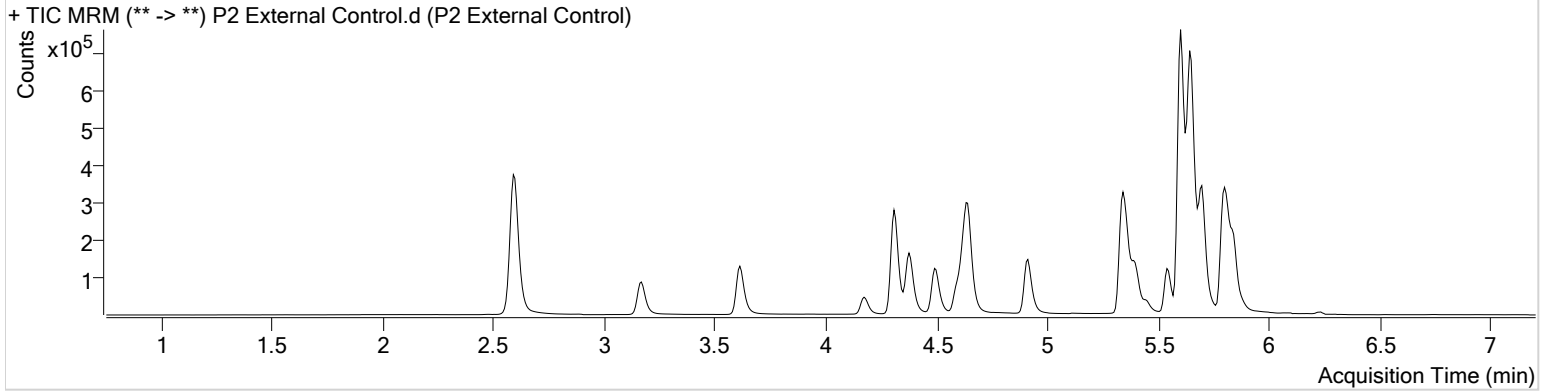


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	P2 External Control.d
<b>Type</b>	Sample	<b>Sample</b>	P2 External Control
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 6:19:09 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Etizolam	5.811	206803	∞	27.4	4507.34	502520	54.8136 ng/ml
Flunitrazepam	5.649	444676	3821.88	31.9	5102.15	110749	78.8230 ng/ml
* Flurazepam	<del>5.339</del>	<del>675433</del>	<del>3618.20</del>	<del>12.5</del>	∞	<del>110749</del>	<del>55.3232 ng/ml</del>
Midazolam	5.805	72703	4442.41	89.0	1717.00	111547	69.1828 ng/ml

\*Compound not evaluated.

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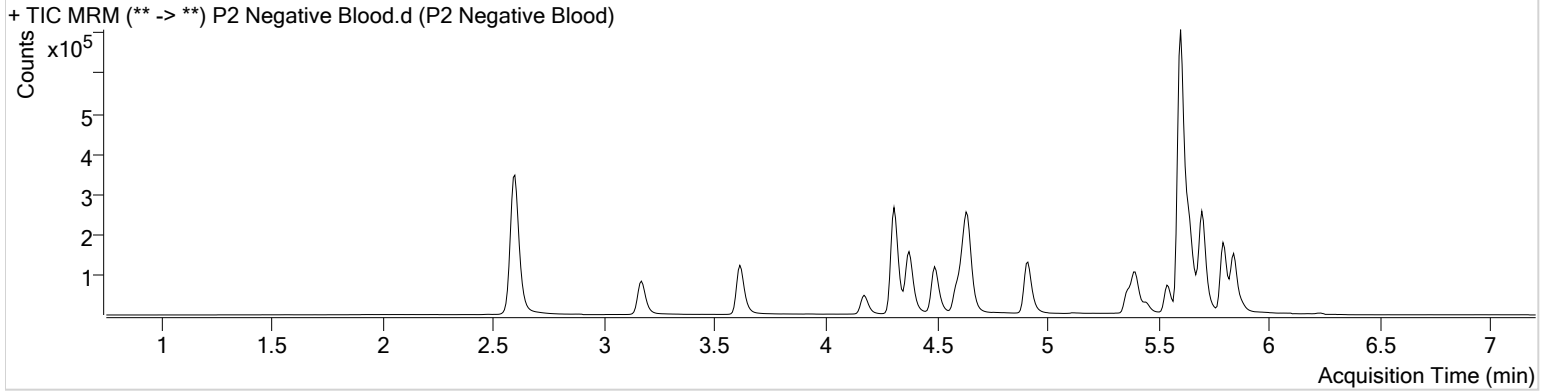


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28  
P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument</b>	Instrument 1	<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.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-E2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 5:47:18 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



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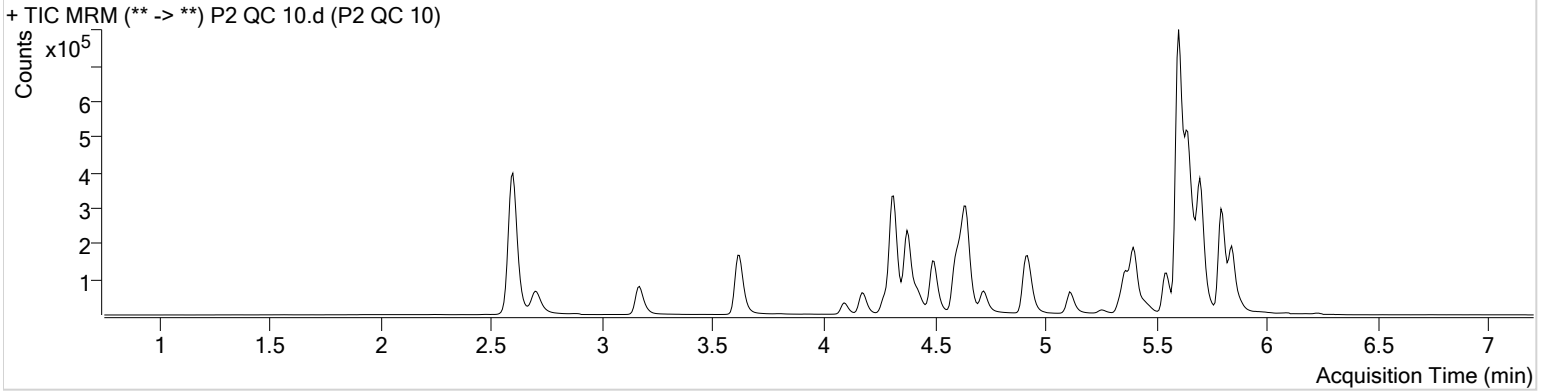


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

**Instrument** Instrument 1 **Data File** P2 QC 10.d  
**Type** QC **Sample** P2 QC 10  
**Acq. Method** AM 28 MDQ P2.m **Operator** Tamara Salazar  
**Sample Position** P6-A2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 11/19/2020 4:12:01 PM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	76023	553.15	41.5	756.52	117057	10.6337 ng/ml
Clonazolam	5.551	27755	51667.19	27.7	11914.66	21961	10.7439 ng/ml
Doxepin	5.363	39327	257.74	41.1	382.94	247286	10.2954 ng/ml
Etizolam	5.811	28364	35182.65	27.6	∞	442267	9.1012 ng/ml
Flunitrazepam	5.649	62418	2398.45	30.1	∞	102220	10.5800 ng/ml
Flurazepam	5.339	91779	9850.29	12.7	8066.99	102220	10.1517 ng/ml
Levetiracetam	2.694	27233	1731.74	180.9	1407.59	963471	10.6950 ng/ml
Maprotiline	5.671	76023	553.15	26.2	463.94	117057	10.4667 ng/ml
Methocarbamol	4.425	27229	∞	76.3	384.11	963471	10.1964 ng/ml
Midazolam	5.805	9781	275.24	89.6	∞	107128	9.8338 ng/ml
Nortriptyline	5.693	34687	∞	26.3	212.82	97287	10.5012 ng/ml
Pseudoephedrine	2.608	210661	6993.16	13.3	∞	963471	10.1271 ng/ml



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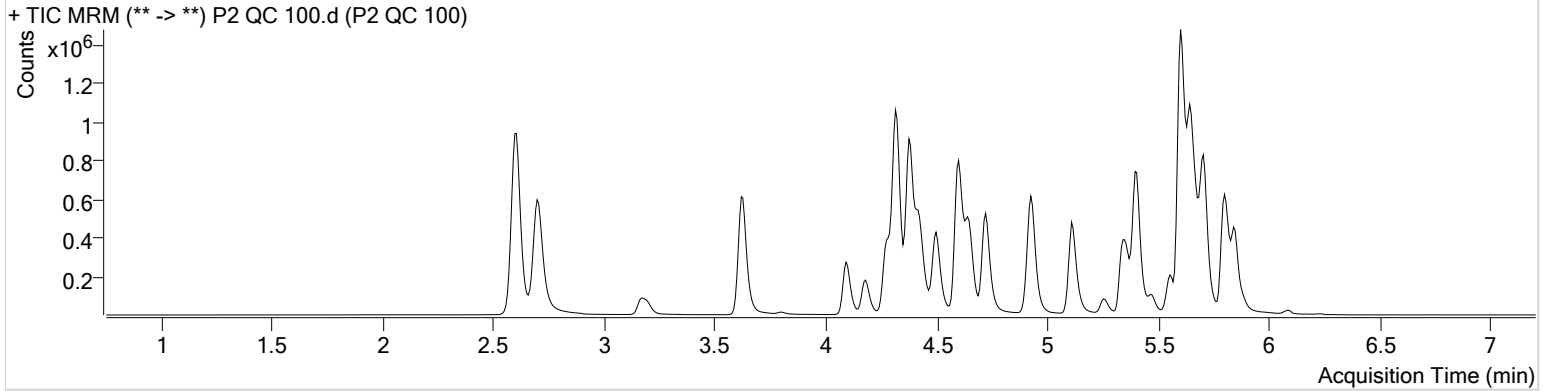


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	P2 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	P2 QC 100
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 4:33:11 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	317277	1791.72	42.4	1241.39	55700	96.2058 ng/ml
Clonazolam	5.558	241297	∞	28.1	∞	19876	115.1129 ng/ml
Doxepin	5.363	230909	1087.02	40.3	1033.98	150016	103.6892 ng/ml
Etizolam	5.811	238796	1842.36	27.4	∞	365949	86.5265 ng/ml
Flunitrazepam	5.649	514011	2501.70	32.0	∞	92454	109.7813 ng/ml
Flurazepam	5.339	769242	∞	12.3	∞	92454	74.6175 ng/ml
Levetiracetam	2.694	230897	10639.75	179.5	10772.59	848888	114.6160 ng/ml
Maprotiline	5.671	317277	1791.72	21.1	∞	55700	92.0109 ng/ml
Methocarbamol	4.425	229739	22256.39	77.2	∞	848888	114.9381 ng/ml
Midazolam	5.805	79470	1054.75	91.3	4513.69	88446	95.3107 ng/ml
Nortriptyline	5.693	116412	1354.92	27.4	1520.03	34123	100.4656 ng/ml
Pseudoephedrine	2.608	1821894	∞	13.1	6528.03	848888	101.1952 ng/ml

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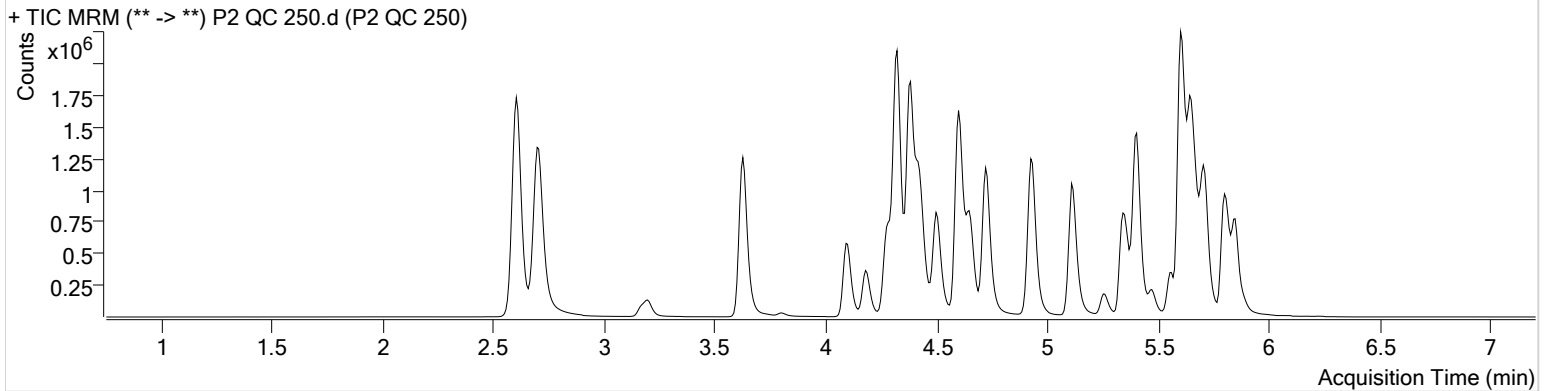


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	P2 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	P2 QC 250
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 4:54:20 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	518602	21581.46	46.4	726.07	36332	241.6476 ng/ml
Clonazolam	5.558	498182	∞	28.6	∞	18670	254.6711 ng/ml
Doxepin	5.363	426849	21696.27	42.6	17127.34	116480	247.5044 ng/ml
Etizolam	5.818	456633	7825.77	27.8	23631.63	275057	219.1113 ng/ml
§ Flunitrazepam	5.649	1028774	∞	32.6	∞	79133	258.9329 ng/ml
* <del>Flurazepam</del>	<del>5.339</del>	<del>1703584</del>	<del>∞</del>	<del>12.6</del>	<del>∞</del>	<del>79133</del>	<del>189.3319 ng/ml</del>
Levetiracetam	2.694	494988	∞	174.6	90828.46	771737	272.1158 ng/ml
Maprotiline	5.671	518602	21581.46	19.5	890.57	36332	230.6069 ng/ml
Methocarbamol	4.425	469118	13031.32	77.3	5786.43	771737	260.6749 ng/ml
Midazolam	5.805	168670	2741.97	91.4	1895.53	71913	248.5337 ng/ml
Nortriptyline	5.693	167193	23130.72	26.3	1371.29	20649	238.4392 ng/ml
Pseudoephedrine	2.608	4026836	1784.85	13.2	1820.18	771737	246.3172 ng/ml

\*Outside curve range.

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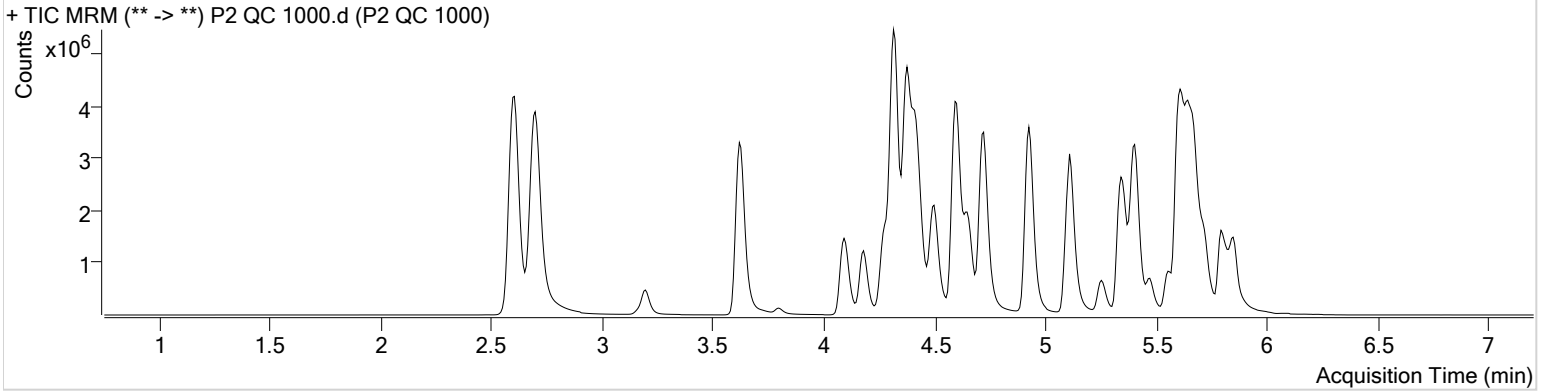


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	P2 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	P2 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 5:15:31 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
\$ Amitriptyline	5.671	2088512	45537.23	48.9	5424.13	40275	878.8872 ng/ml
* Clonazepam	<del>5.558</del>	<del>1160085</del>	<del>∞</del>	<del>29.7</del>	<del>∞</del>	<del>13989</del>	<del>794.3853 ng/ml</del> \$
\$ Doxepin	5.363	1609461	183595.61	46.7	9195.95	111826	973.4305 ng/ml
* Etizolam	<del>5.818</del>	<del>935436</del>	<del>2412.45</del>	<del>27.6</del>	<del>5232.21</del>	<del>114385</del>	<del>1076.7603 ng/ml</del> \$
\$ Flunitrazepam	5.649	1602488	∞	35.0	∞	35097	913.5610 ng/ml
* Flurazepam	<del>5.339</del>	<del>5819509</del>	<del>∞</del>	<del>13.2</del>	<del>120880.54</del>	<del>35097</del>	<del>1442.4881 ng/ml</del> \$
\$ Levetiracetam	<del>2.694</del>	<del>1121660</del>	<del>5043.78</del>	<del>171.9</del>	<del>10077.41</del>	<del>602660</del>	<del>792.1986 ng/ml</del> \$
\$ Maprotiline	<del>5.671</del>	<del>2088512</del>	<del>45537.23</del>	<del>12.3 Low</del>	<del>1829.15</del>	<del>40275</del>	<del>837.8520 ng/ml</del> \$
* Methocarbamol	<del>4.432</del>	<del>840141</del>	<del>41688.55</del>	<del>79.9</del>	<del>∞</del>	<del>602660</del>	<del>600.4228 ng/ml</del> \$
Midazolam	5.805	411382	1190.72	92.4	2087.80	48367	900.8271 ng/ml
Nortriptyline	5.693	526321	∞	27.3	34904.51	15669	989.1422 ng/ml
Pseudoephedrine	2.608	12000717	∞	13.3	∞	602660	940.5859 ng/ml

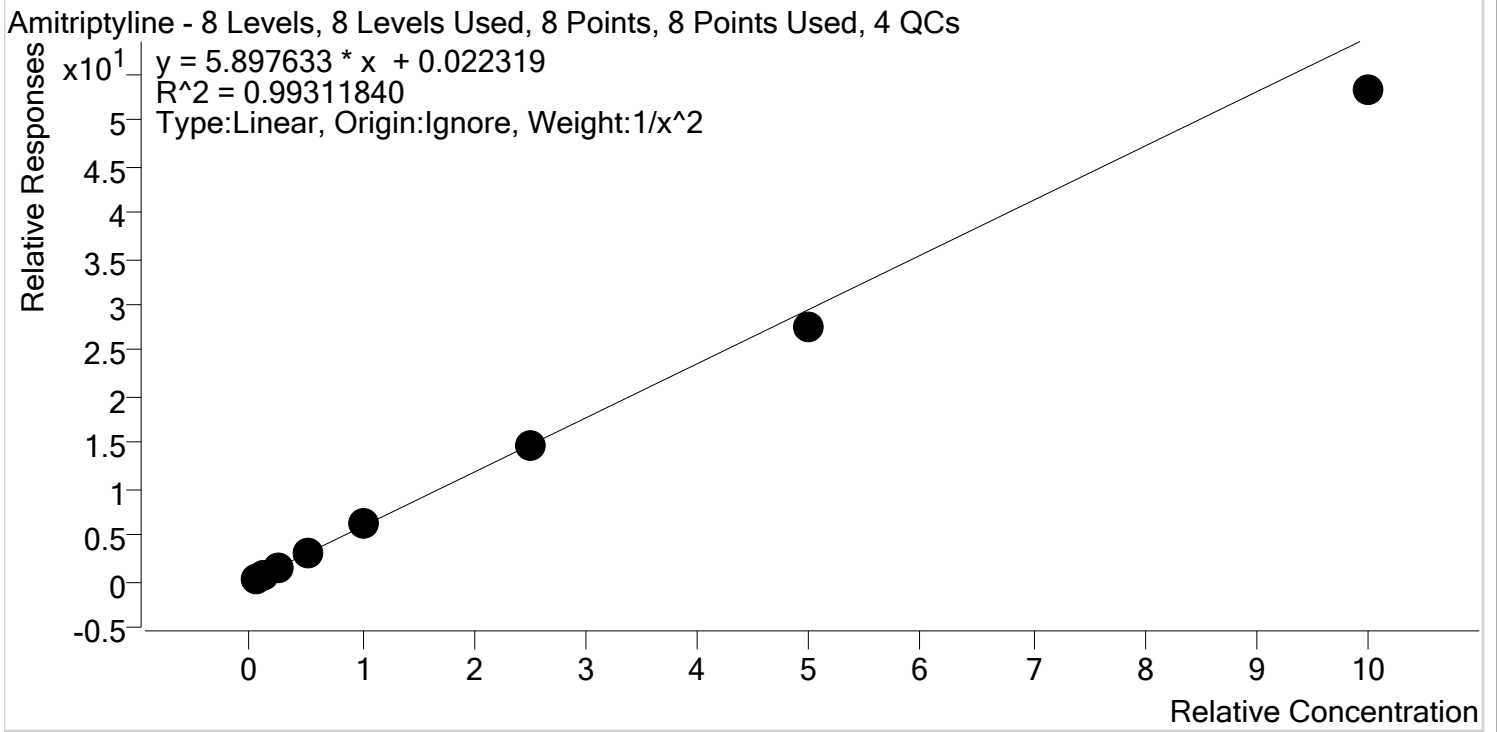
\*Outside curve range.

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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amitriptyline **Internal Standard** Amitriptyline-D3



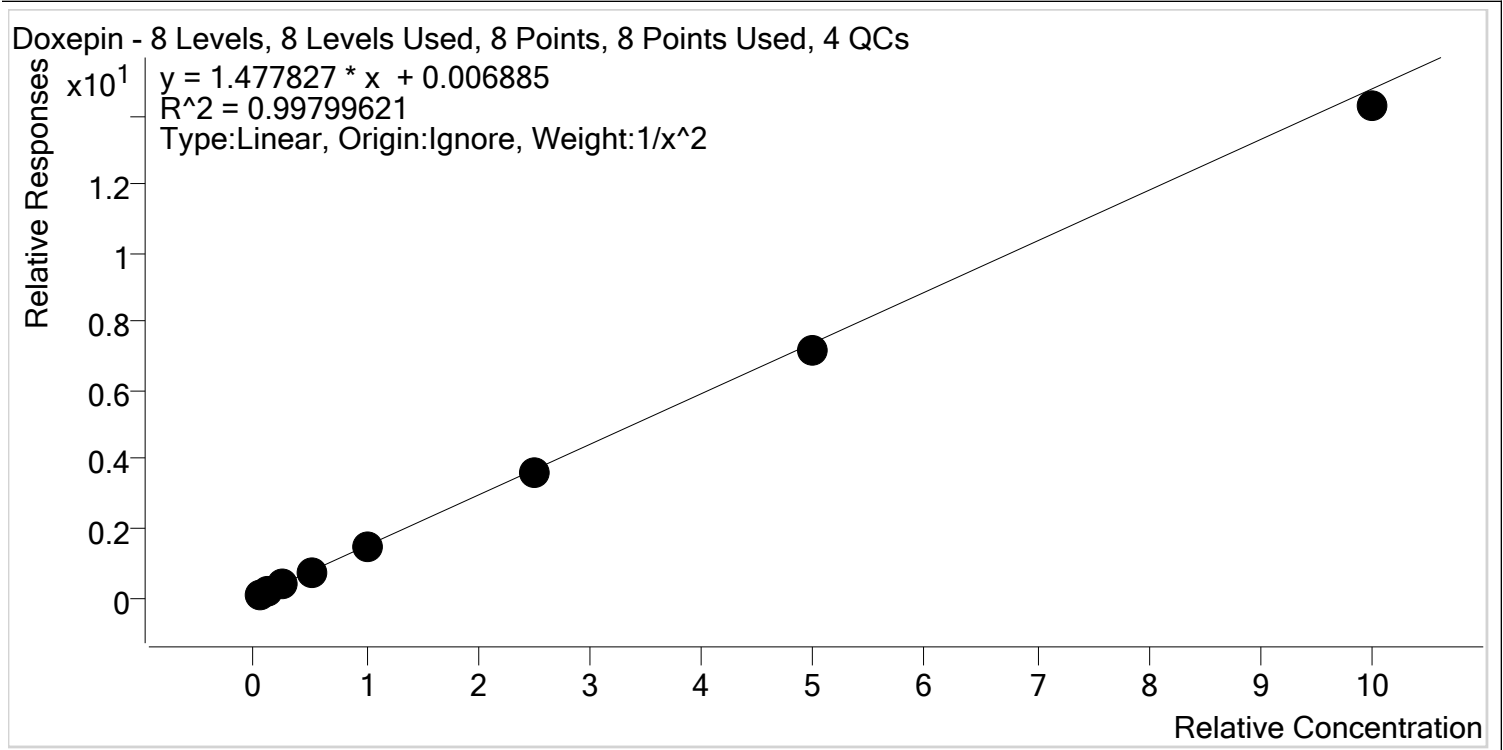
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.7	93.4
P2 Cal 2- 10ng	2	✓	10.0	11.0	110.4
P2 Cal 3 -25ng	3	✓	25.0	26.0	103.9
P2 Cal 4-50ng	4	✓	50.0	52.6	105.2
P2 Cal 5-100ng	5	✓	100.0	105.4	105.4
P2 Cal 6-250ng	6	✓	250.0	245.8	98.3
P2 Cal 7-500ng	7	✓	500.0	465.8	93.2
P2 Cal 8-1000ng	8	✓	1000.0	903.0	90.3

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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxepin **Internal Standard** Doxepin-D3



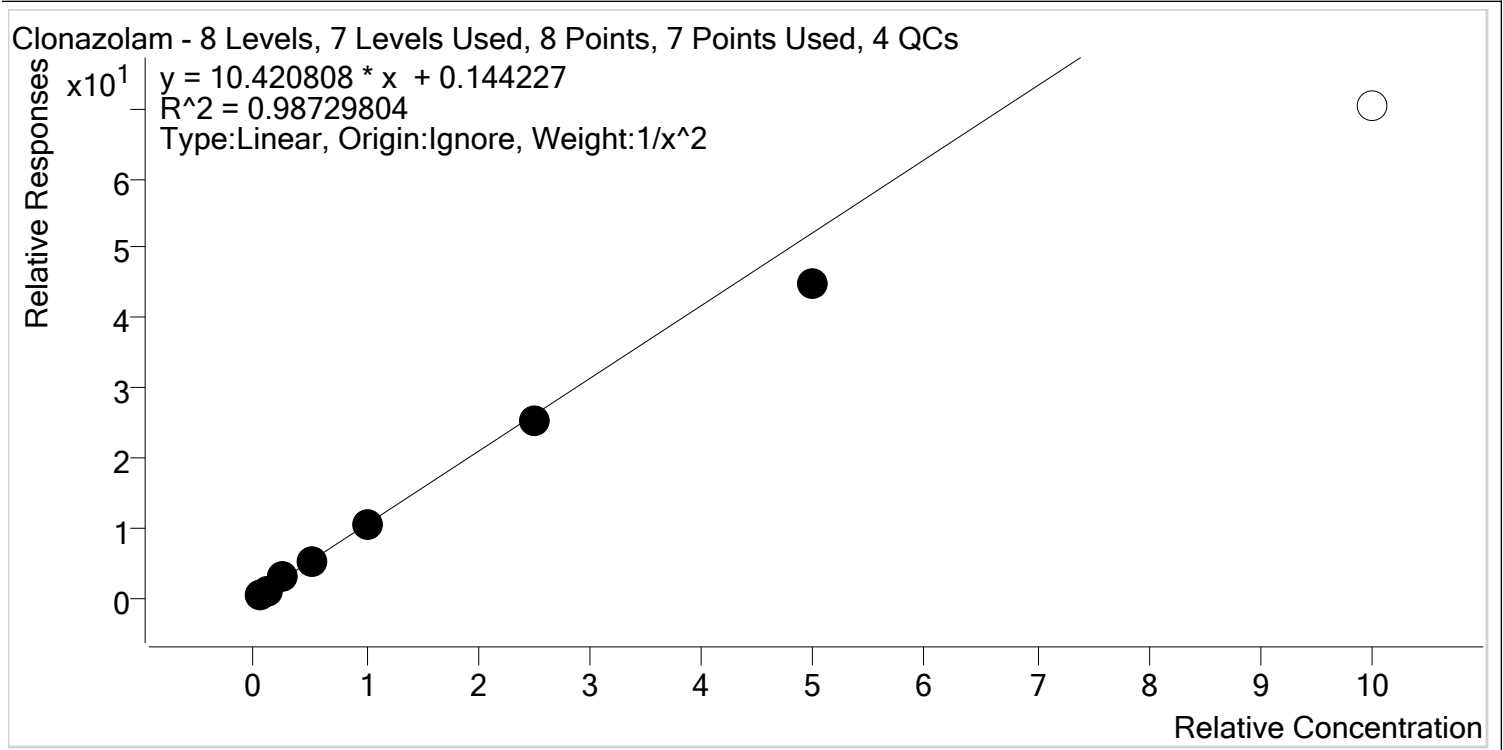
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.8	95.8
P2 Cal 2- 10ng	2	✓	10.0	10.7	106.7
P2 Cal 3 -25ng	3	✓	25.0	25.9	103.6
P2 Cal 4-50ng	4	✓	50.0	50.9	101.8
P2 Cal 5-100ng	5	✓	100.0	100.8	100.8
P2 Cal 6-250ng	6	✓	250.0	244.8	97.9
P2 Cal 7-500ng	7	✓	500.0	484.3	96.9
P2 Cal 8-1000ng	8	✓	1000.0	965.6	96.6

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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Phenazepam-D4



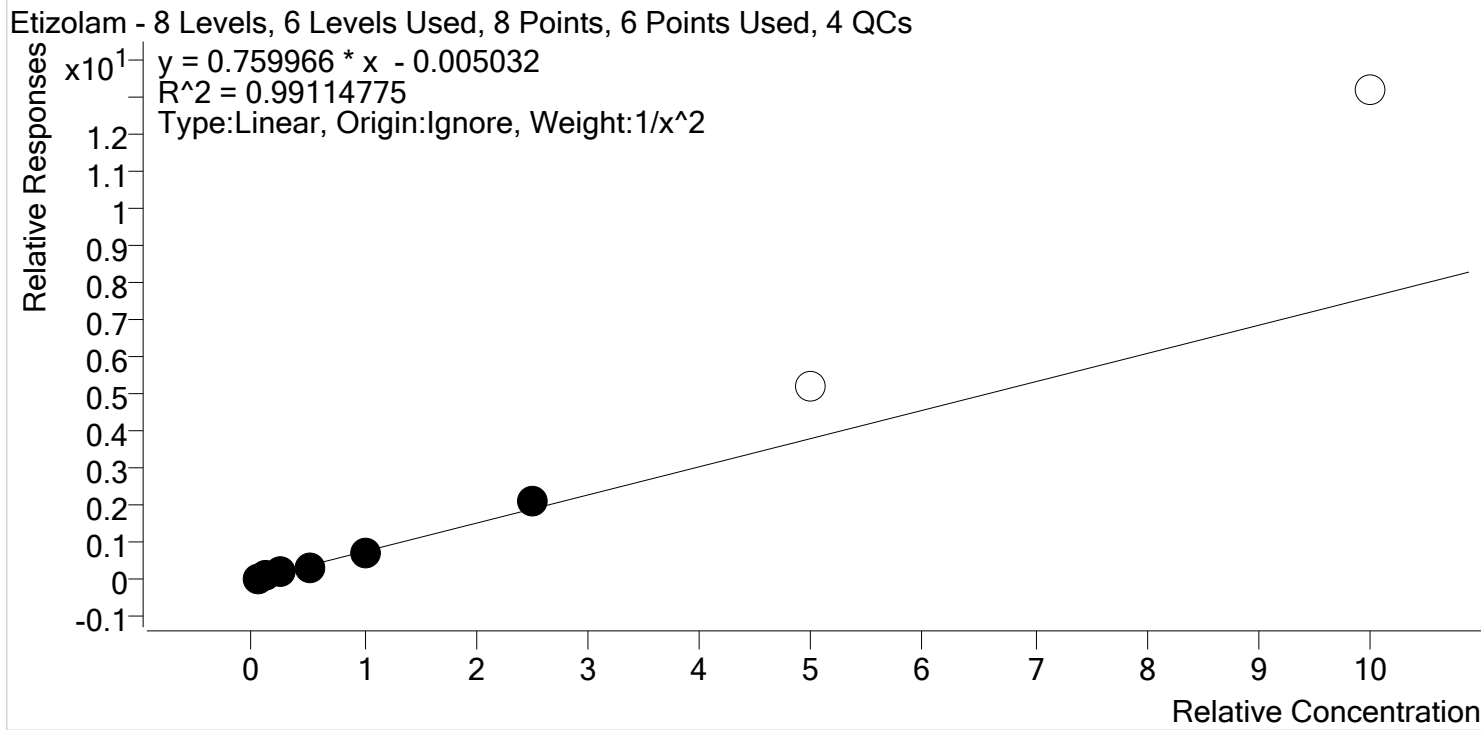
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.6	91.5
P2 Cal 2- 10ng	2	✓	10.0	11.3	113.0
P2 Cal 3 -25ng	3	✓	25.0	27.4	109.7
P2 Cal 4-50ng	4	✓	50.0	50.9	101.8
P2 Cal 5-100ng	5	✓	100.0	101.5	101.5
P2 Cal 6-250ng	6	✓	250.0	241.7	96.7
P2 Cal 7-500ng	7	✓	500.0	429.0	85.8
P2 Cal 8-1000ng	8	x	1000.0	672.5	67.3

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

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**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Estazolam-D5



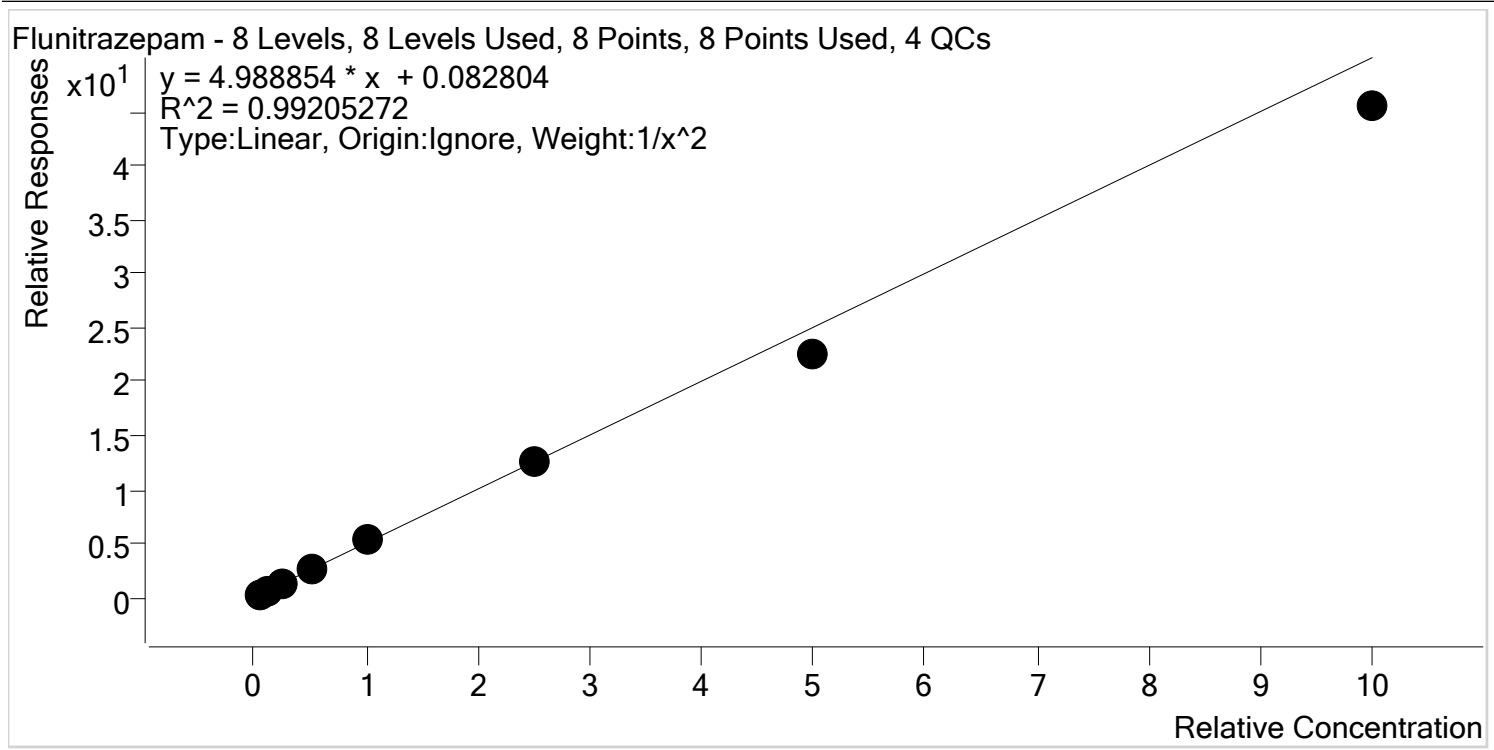
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	5.1	102.1
P2 Cal 2- 10ng	2	✓	10.0	10.0	100.2
P2 Cal 3 -25ng	3	✓	25.0	22.6	90.5
P2 Cal 4-50ng	4	✓	50.0	47.4	94.8
P2 Cal 5-100ng	5	✓	100.0	99.2	99.2
P2 Cal 6-250ng	6	✓	250.0	283.0	113.2
P2 Cal 7-500ng	7	✗	500.0	690.1	138.0
P2 Cal 8-1000ng	8	✗	1000.0	1731.4	173.1

\$ SS TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flunitrazepam **Internal Standard** Flunitrazepam-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.7	93.2
P2 Cal 2- 10ng	2	✓	10.0	11.0	109.8
P2 Cal 3 -25ng	3	✓	25.0	26.5	106.0
P2 Cal 4-50ng	4	✓	50.0	53.2	106.4
P2 Cal 5-100ng	5	✓	100.0	103.5	103.5
P2 Cal 6-250ng	6	✓	250.0	251.2	100.5
P2 Cal 7-500ng	7	✓	500.0	447.7	89.5
P2 Cal 8-1000ng	8	✓	1000.0	909.9	91.0

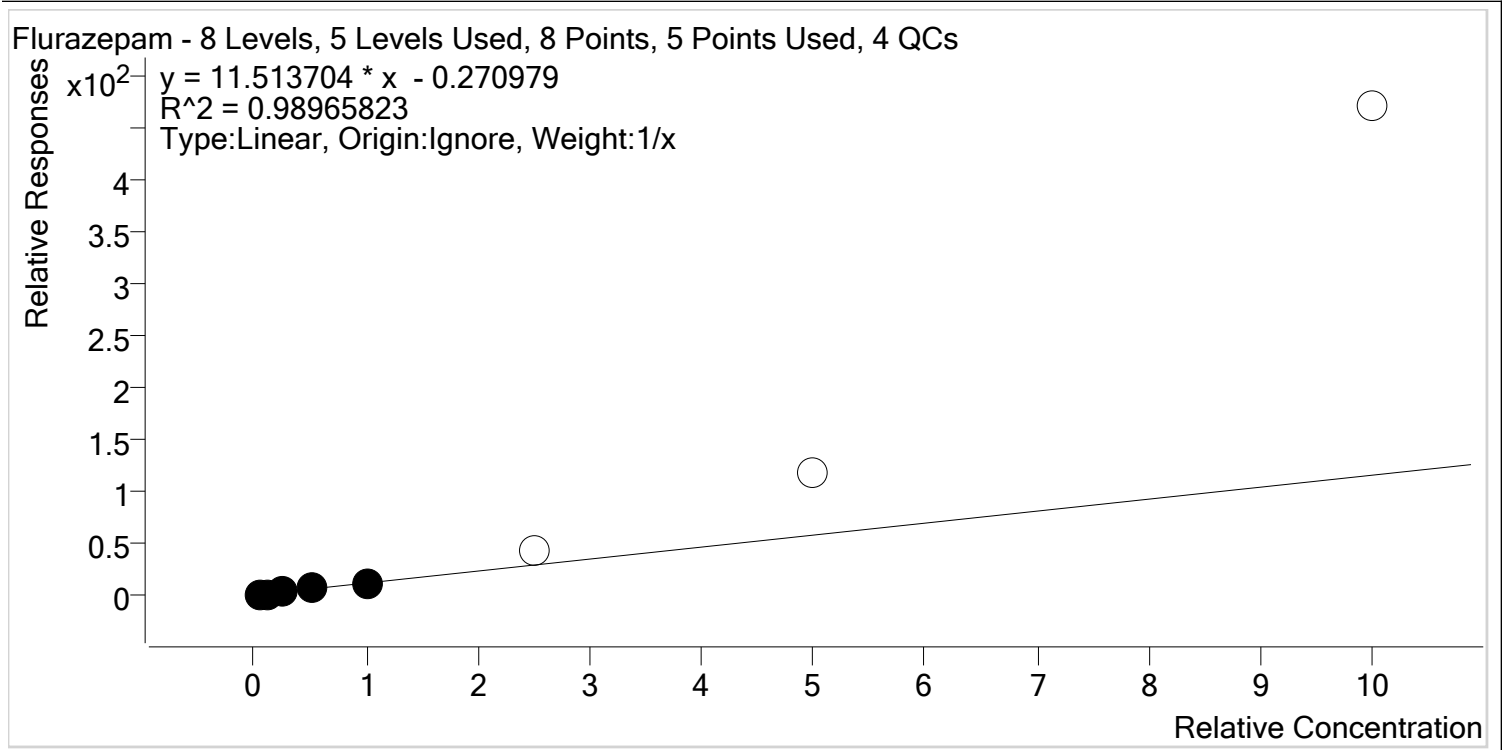


\$ SJ TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flurazepam Internal Standard Flunitrazepam-D7



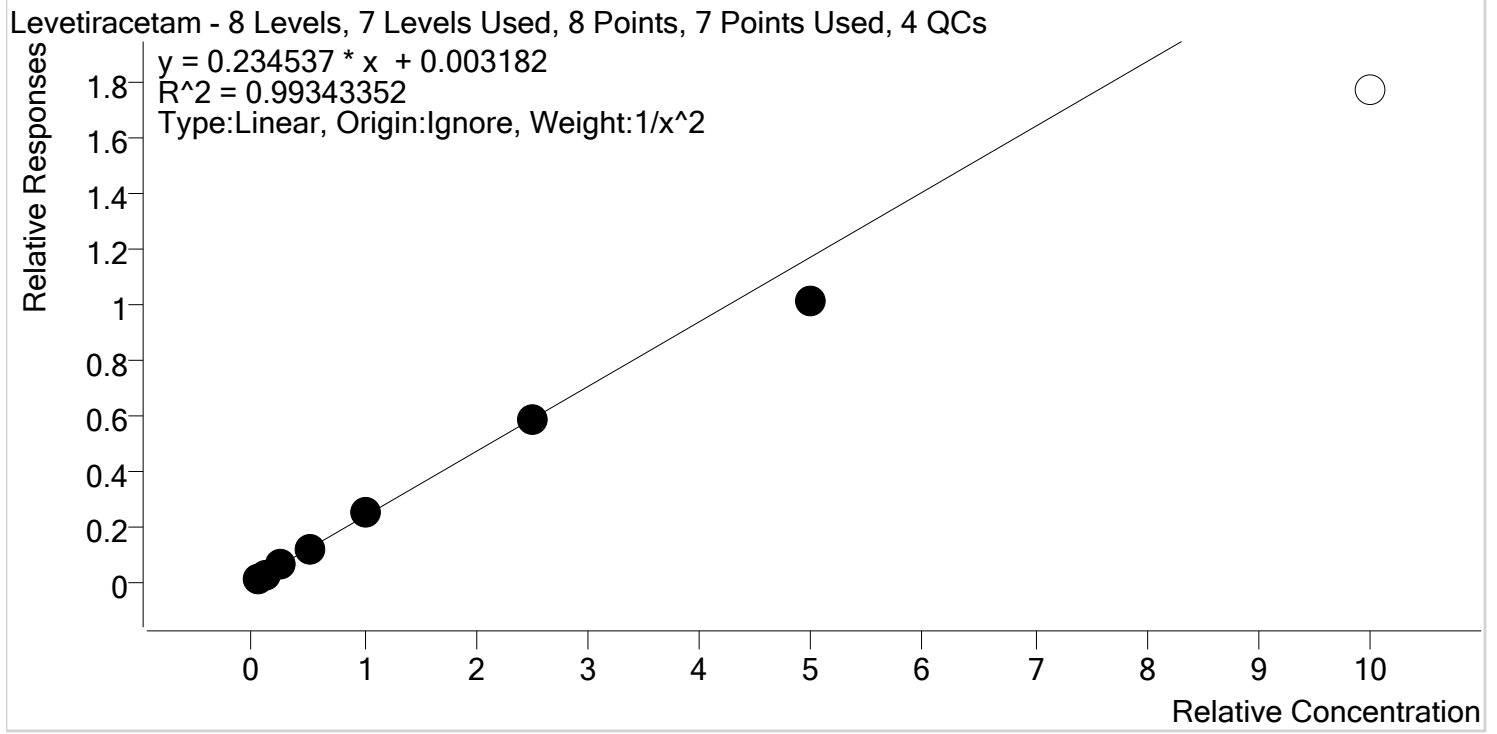
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	5.6	111.3
P2 Cal 2- 10ng	2	✓	10.0	10.5	105.1
P2 Cal 3 -25ng	3	✓	25.0	20.8	83.1
P2 Cal 4-50ng	4	✓	50.0	47.3	94.7
P2 Cal 5-100ng	5	✓	100.0	105.8	105.8
P2 Cal 6-250ng	6	x	250.0	364.2	145.7
P2 Cal 7-500ng	7	x	500.0	1013.7	202.7
P2 Cal 8-1000ng	8	x	1000.0	4078.7	407.9

\$ SS TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



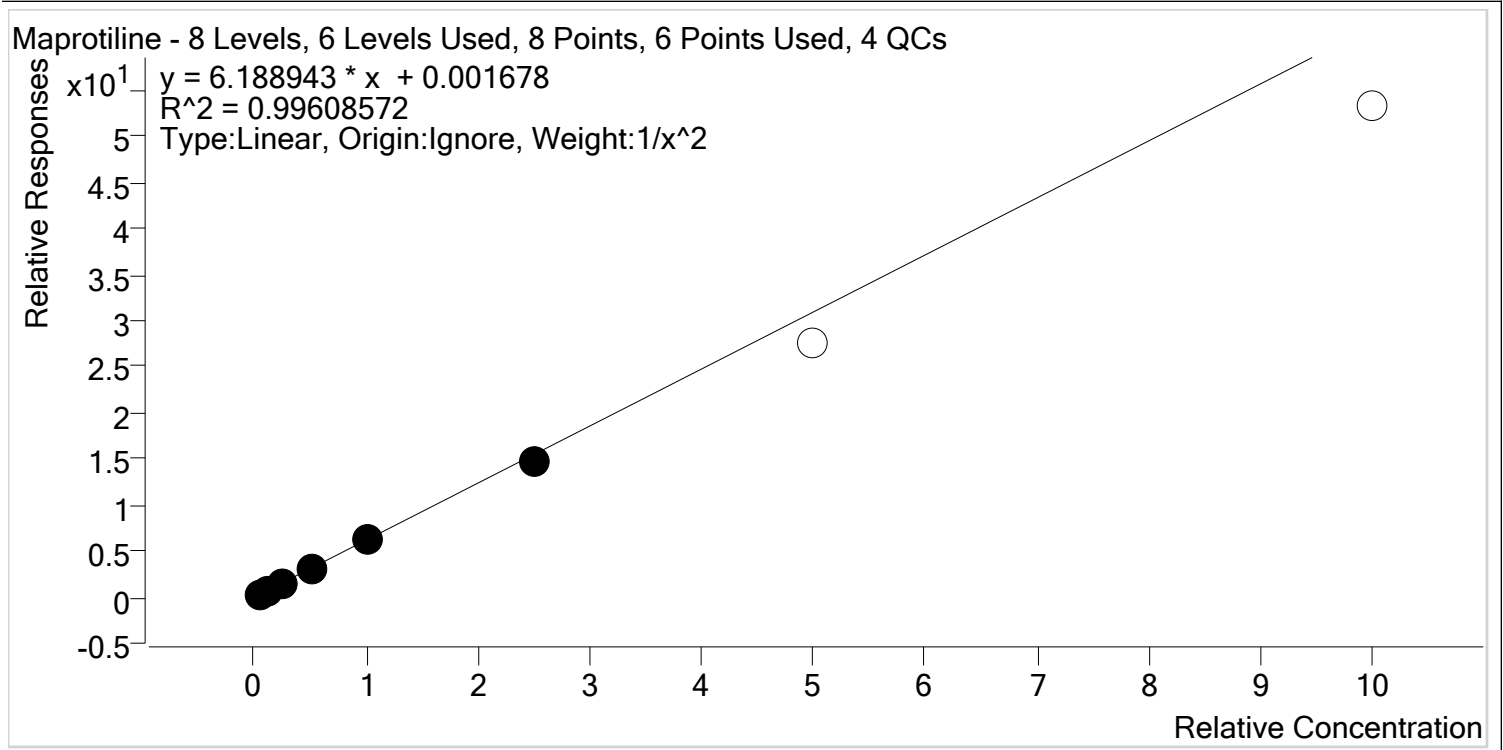
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.8	96.3
P2 Cal 2- 10ng	2	✓	10.0	10.4	104.1
P2 Cal 3 -25ng	3	✓	25.0	26.4	105.5
P2 Cal 4-50ng	4	✓	50.0	52.2	104.3
P2 Cal 5-100ng	5	✓	100.0	104.6	104.6
P2 Cal 6-250ng	6	✓	250.0	246.4	98.6
P2 Cal 7-500ng	7	✓	500.0	432.7	86.5
P2 Cal 8-1000ng	8	x	1000.0	756.2	75.6

\$ SJ TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Maprotiline **Internal Standard** Amitriptyline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.8	95.7
P2 Cal 2- 10ng	2	✓	10.0	10.8	108.5
P2 Cal 3 -25ng	3	✓	25.0	25.1	100.3
P2 Cal 4-50ng	4	✓	50.0	50.5	100.9
P2 Cal 5-100ng	5	✓	100.0	100.7	100.7
P2 Cal 6-250ng	6	✓	250.0	234.6	93.8
P2 Cal 7-500ng	7	✗	500.0	444.2	88.8
P2 Cal 8-1000ng	8	✗	1000.0	860.8	86.1

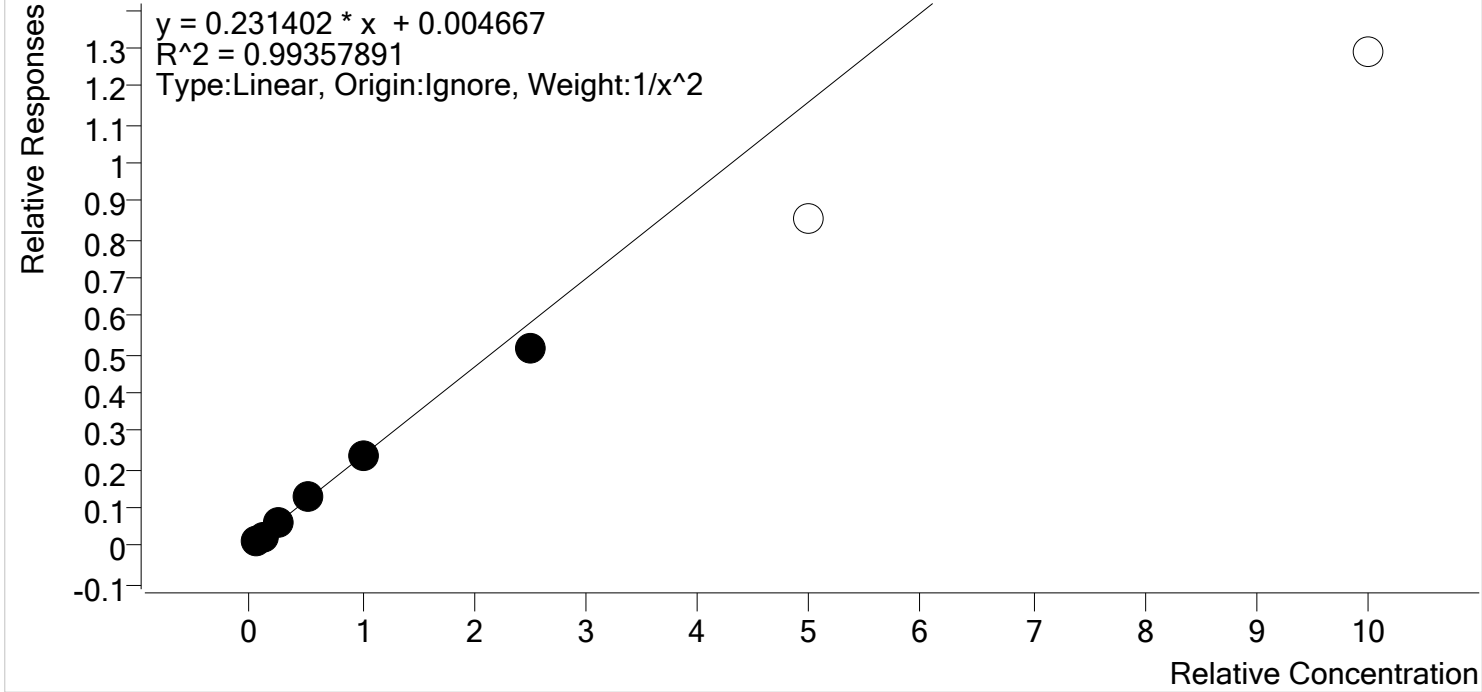
\$ SS TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methocarbamol **Internal Standard** Pseudoephedrine-D3

Methocarbamol - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



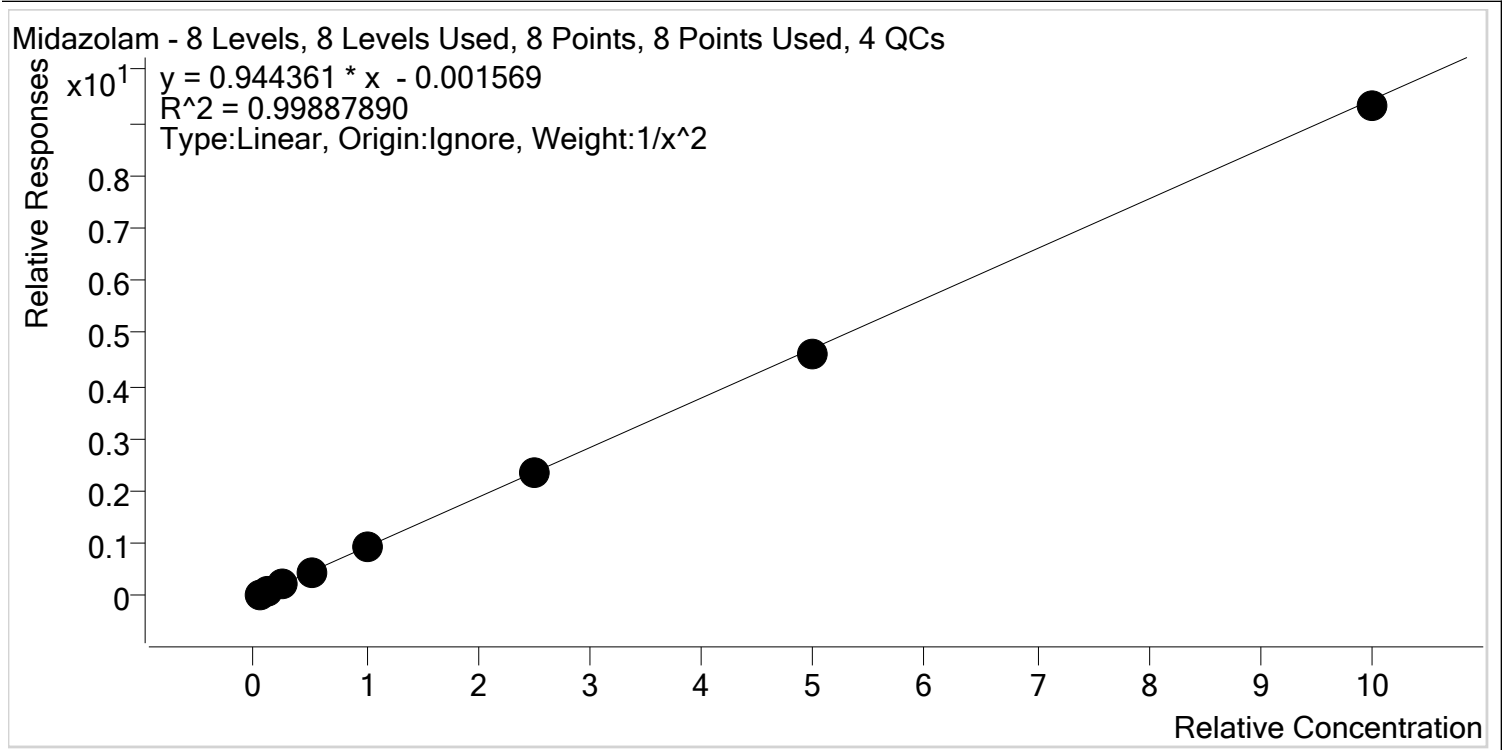
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.9	97.6
P2 Cal 2- 10ng	2	✓	10.0	10.2	102.0
P2 Cal 3 -25ng	3	✓	25.0	26.2	104.7
P2 Cal 4-50ng	4	✓	50.0	52.9	105.8
P2 Cal 5-100ng	5	✓	100.0	102.0	102.0
P2 Cal 6-250ng	6	✓	250.0	219.9	87.9
P2 Cal 7-500ng	7	✗	500.0	368.9	73.8
P2 Cal 8-1000ng	8	✗	1000.0	555.4	55.5

\$ SJ TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Midazolam **Internal Standard** Midazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.9	97.0
P2 Cal 2- 10ng	2	✓	10.0	10.5	105.5
P2 Cal 3 -25ng	3	✓	25.0	25.4	101.4
P2 Cal 4-50ng	4	✓	50.0	49.5	99.1
P2 Cal 5-100ng	5	✓	100.0	102.5	102.5
P2 Cal 6-250ng	6	✓	250.0	246.1	98.4
P2 Cal 7-500ng	7	✓	500.0	486.8	97.4
P2 Cal 8-1000ng	8	✓	1000.0	986.7	98.7

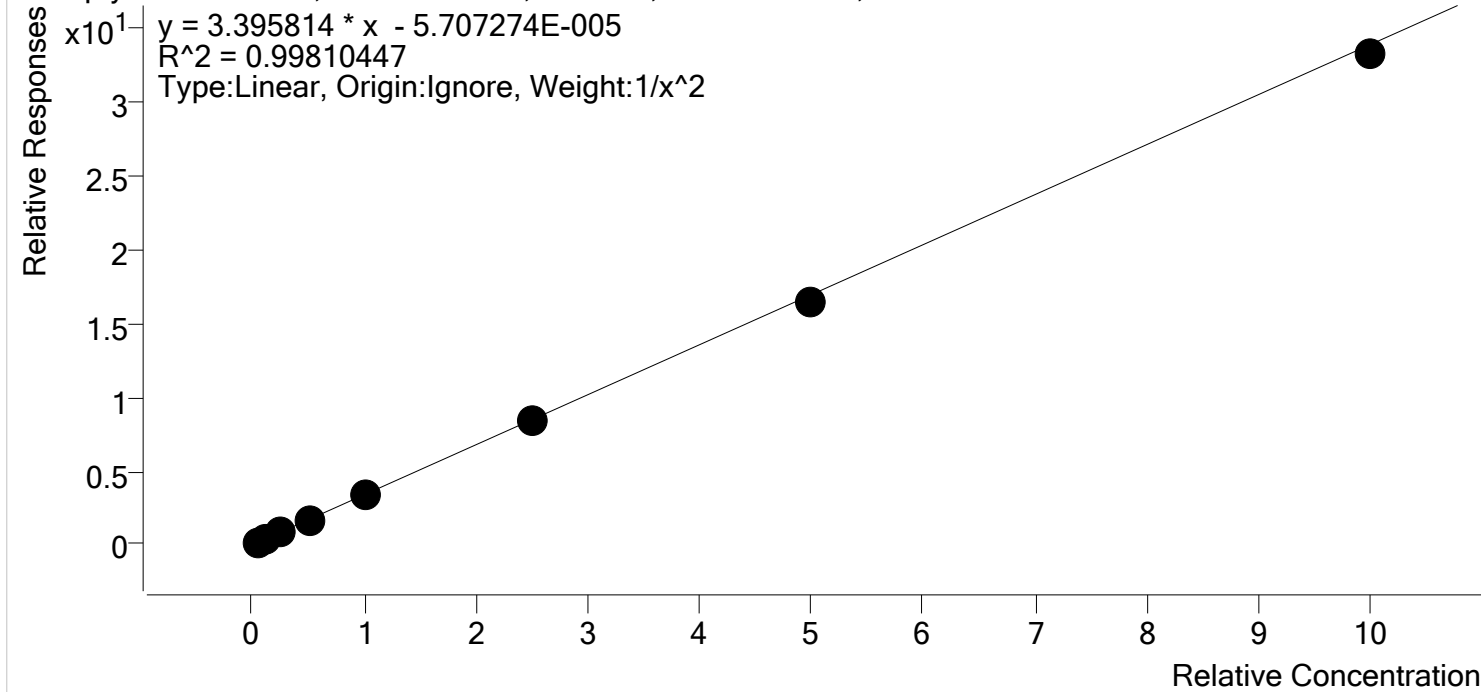
\$ SJ TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nortriptyline **Internal Standard** Nortriptyline-d3

Nortriptyline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.8	95.8
P2 Cal 2- 10ng	2	✓	10.0	10.8	107.8
P2 Cal 3 -25ng	3	✓	25.0	25.3	101.2
P2 Cal 4-50ng	4	✓	50.0	50.4	100.9
P2 Cal 5-100ng	5	✓	100.0	101.2	101.2
P2 Cal 6-250ng	6	✓	250.0	246.6	98.6
P2 Cal 7-500ng	7	✓	500.0	482.2	96.4
P2 Cal 8-1000ng	8	✓	1000.0	980.8	98.1

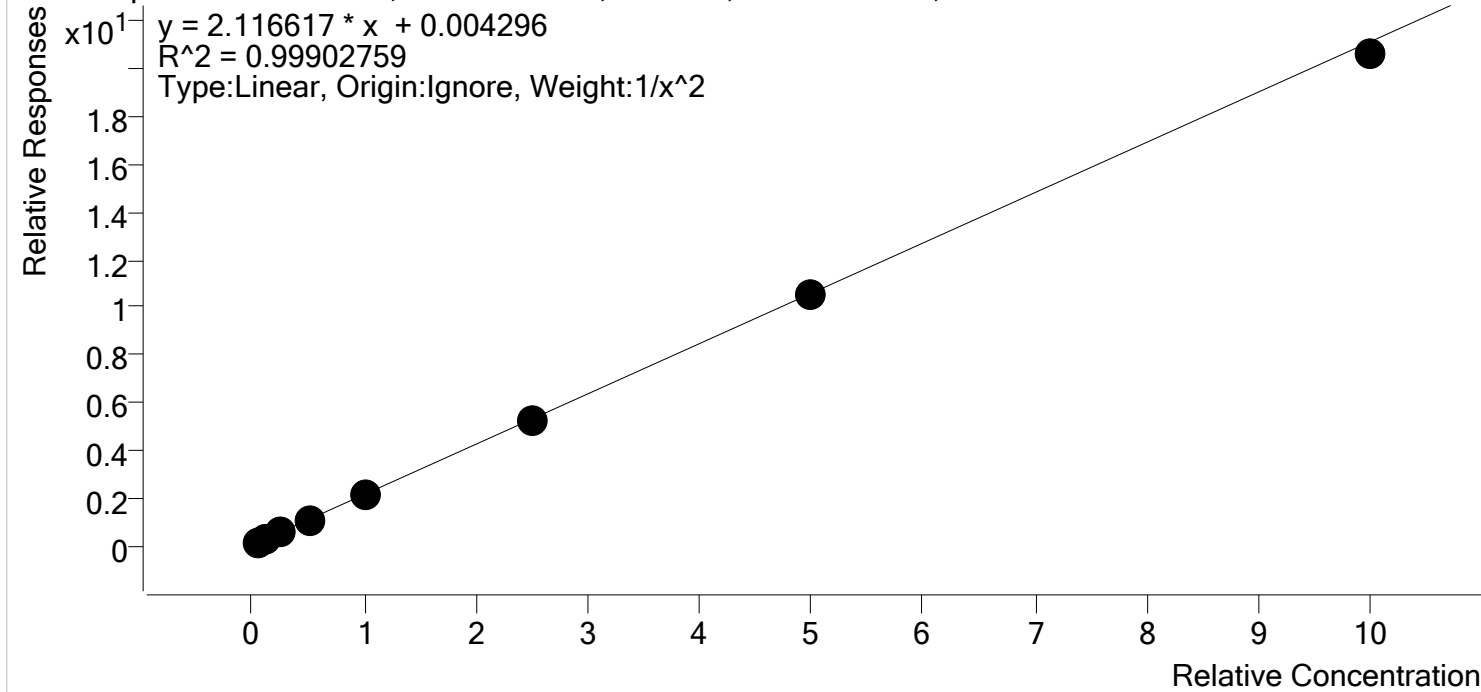
\$ SJ TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Last Cal. Update** 11/20/2020 8:51 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
P2 Cal 1-5ng	1	✓	5.0	4.9	97.0
P2 Cal 2- 10ng	2	✓	10.0	10.6	105.8
P2 Cal 3 -25ng	3	✓	25.0	25.1	100.3
P2 Cal 4-50ng	4	✓	50.0	50.2	100.4
P2 Cal 5-100ng	5	✓	100.0	100.9	100.9
P2 Cal 6-250ng	6	✓	250.0	247.6	99.0
P2 Cal 7-500ng	7	✓	500.0	495.7	99.1
P2 Cal 8-1000ng	8	✓	1000.0	975.1	97.5

\$ SJ TS

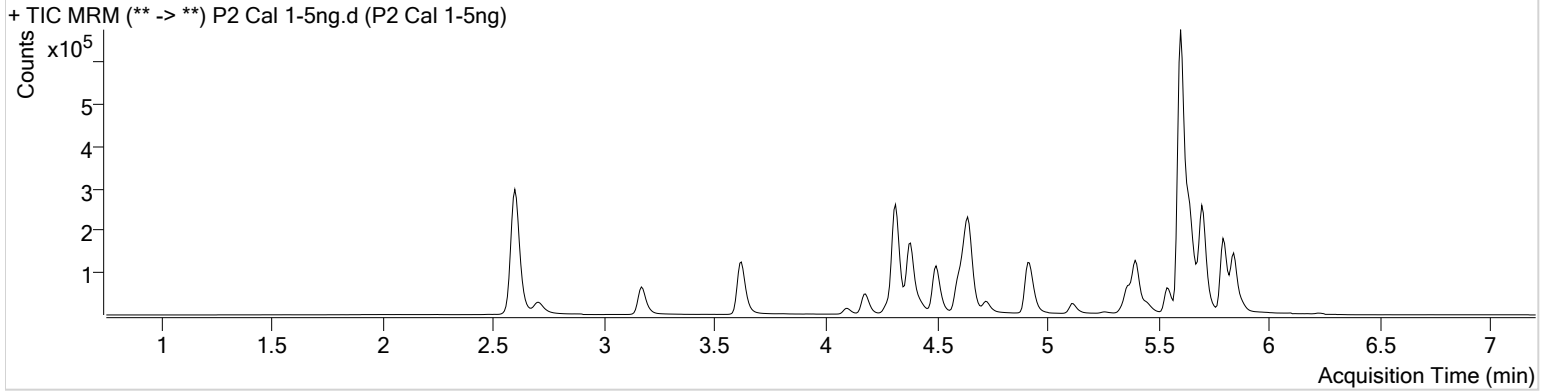


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 1-5ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 1-5ng Tamara Salazar
<b>Sample Position</b>	P6-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 2:26:06 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	16075	386.29	41.7	177.53	53986	4.6704 ng/ml
Clonazolam	5.558	12622	∞	25.9	∞	20321	4.5766 ng/ml
Doxepin	5.370	11846	124.97	42.2	∞	152529	4.7892 ng/ml
Etizolam	5.811	13928	25280.25	27.6	∞	412449	5.1058 ng/ml
Flunitrazepam	5.649	30213	3398.14	29.9	∞	95803	4.6617 ng/ml
Flurazepam	5.339	35410	29822.12	13.7	∞	95803	5.5637 ng/ml
Levetiracetam	2.701	11473	454.25	187.7	461.46	792337	4.8172 ng/ml
Maprotiline	5.671	16075	386.29	20.7	65.03	53986	4.7840 ng/ml
Methocarbamol	4.425	12646	685.11	72.9	477.85	792337	4.8806 ng/ml
Midazolam	5.805	4232	∞	87.7	∞	95660	4.8506 ng/ml
Nortriptyline	5.700	5954	8306.29	29.4	47.31	36618	4.7897 ng/ml
Pseudoephedrine	2.608	84749	∞	13.2	1236.73	792337	4.8504 ng/ml



\$ SJ TS

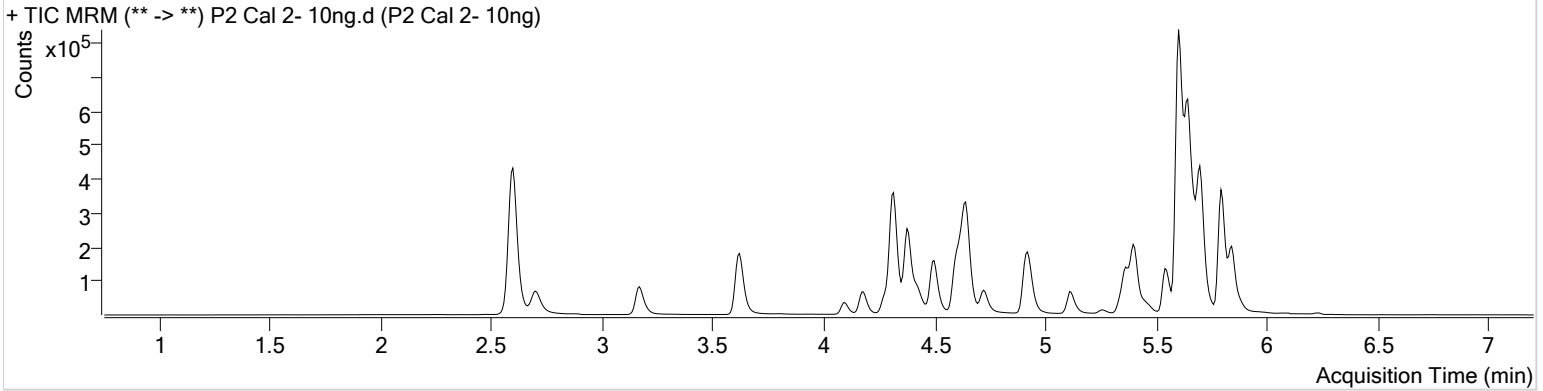


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 2- 10ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 2- 10ng Tamara Salazar
<b>Sample Position</b>	P6-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 2:36:50 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	104808	1455.06	39.7	700.79	155700	11.0352 ng/ml
Clonazolam	5.558	29876	560.05	26.3	∞	22609	11.2964 ng/ml
Doxepin	5.363	46538	1831.90	40.9	828.78	282682	10.6742 ng/ml
Etizolam	5.811	33192	37378.63	27.3	14517.63	466931	10.0160 ng/ml
Flunitrazepam	5.649	66037	1084.32	30.6	∞	104762	10.9754 ng/ml
Flurazepam	5.339	98394	∞	12.4	214.49	104762	10.5109 ng/ml
Levetiracetam	2.694	28612	1084.68	182.3	1917.83	1036586	10.4123 ng/ml
Maprotiline	5.671	104808	1455.06	26.4	366.97	155700	10.8493 ng/ml
Methocarbamol	4.425	29310	∞	73.8	512.86	1036586	10.2027 ng/ml
Midazolam	5.805	11186	∞	87.7	∞	114114	10.5461 ng/ml
Nortriptyline	5.693	50770	24215.28	26.4	953.65	138728	10.7787 ng/ml
Pseudoephedrine	2.608	236563	12307.38	13.1	1839.72	1036586	10.5790 ng/ml

\$ SS TS

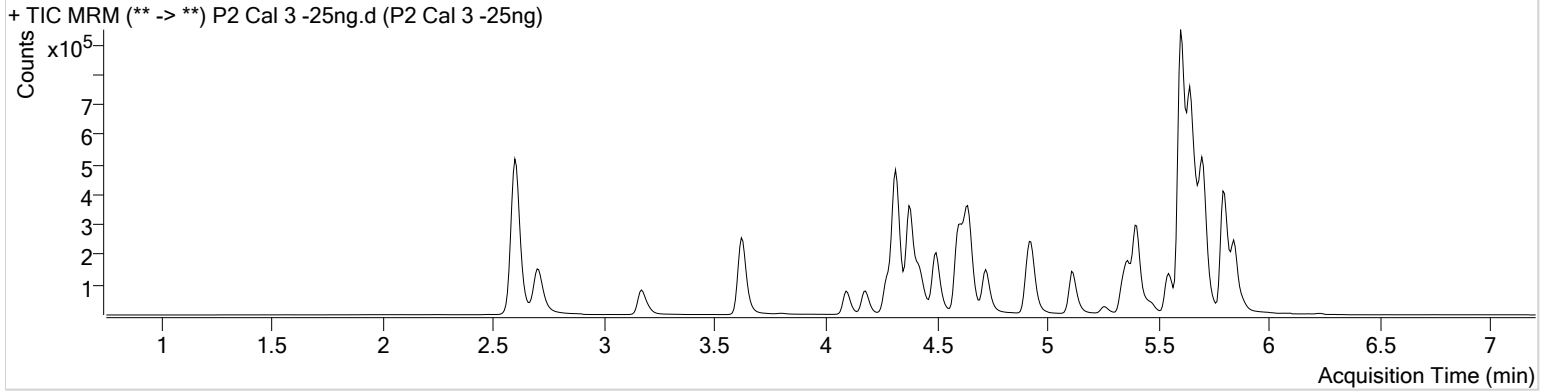


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 3 -25ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample</b>	P2 Cal 3 -25ng
<b>Sample Position</b>	P6-C1	<b>Operator</b>	Tamara Salazar
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	11/19/2020 2:47:24 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	189181	783.72	41.3	359.30	121731	25.9725 ng/ml
Clonazolam	5.558	66095	∞	26.4	∞	22018	27.4223 ng/ml
Doxepin	5.363	96367	2128.47	39.3	1113.60	247340	25.8981 ng/ml
Etizolam	5.811	72152	5027.26	27.0	∞	432357	22.6211 ng/ml
Flunitrazepam	5.649	147631	2333.29	30.7	∞	105047	26.5105 ng/ml
Flurazepam	5.339	222947	∞	12.4	∞	105047	20.7868 ng/ml
Levetiracetam	2.694	63647	2237.67	182.0	4488.41	978865	26.3665 ng/ml
Maprotiline	5.671	189181	783.72	26.4	∞	121731	25.0835 ng/ml
Methocarbamol	4.425	63864	∞	76.6	1615.79	978865	26.1781 ng/ml
Midazolam	5.805	25058	∞	84.7	∞	105329	25.3583 ng/ml
Nortriptyline	5.693	90147	∞	26.0	1044.44	104947	25.2969 ng/ml
Pseudoephedrine	2.608	523594	∞	13.1	1457.60	978865	25.0685 ng/ml

\$ SS TS

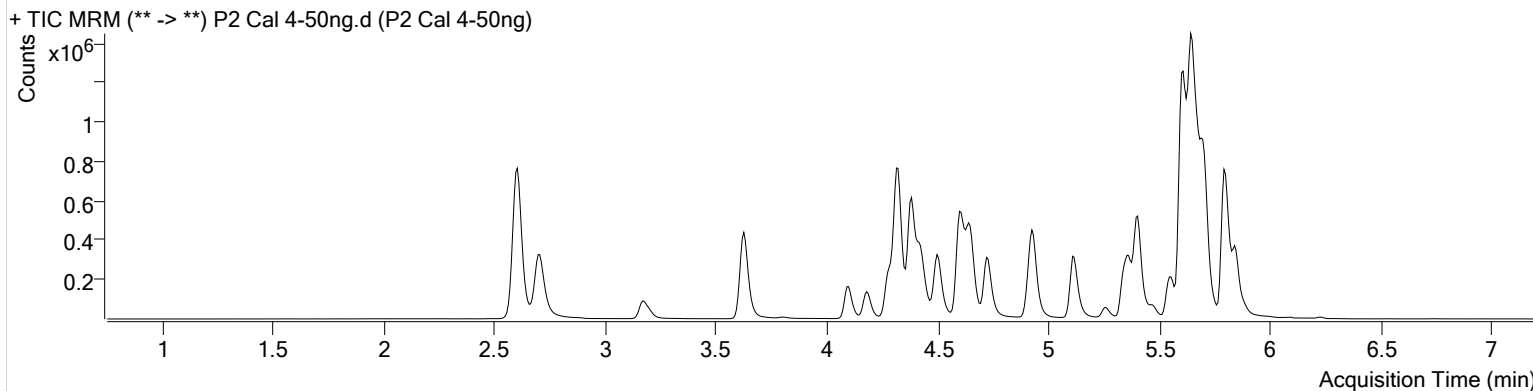


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 4-50ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 4-50ng Tamara Salazar
<b>Sample Position</b>	P6-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 2:57:59 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	555521	9134.97	42.8	1936.45	177785	52.6034 ng/ml
Clonazolam	5.558	131594	∞	29.1	∞	24152	50.9018 ng/ml
Doxepin	5.370	232860	2049.47	41.5	927.34	306829	50.8884 ng/ml
Etizolam	5.811	143779	20786.16	28.4	∞	404703	47.4103 ng/ml
Flunitrazepam	5.649	261012	3809.10	32.4	1483.06	95325	53.2249 ng/ml
Flurazepam	5.339	493651	35105.83	12.2	201242.72	95325	47.3313 ng/ml
Levetiracetam	2.701	133707	11926.95	179.6	4763.58	1065166	52.1645 ng/ml
Maprotiline	5.671	555521	9134.97	27.0	2125.34	177785	50.4609 ng/ml
Methocarbamol	4.425	135298	4262.62	77.2	∞	1065166	52.8751 ng/ml
Midazolam	5.805	49813	848.66	88.3	9197.25	106834	49.5397 ng/ml
Nortriptyline	5.693	281008	160024.12	26.7	8772.15	164059	50.4417 ng/ml
Pseudoephedrine	2.608	1136186	11522.86	13.2	922.95	1065166	50.1923 ng/ml

\$ SS TS

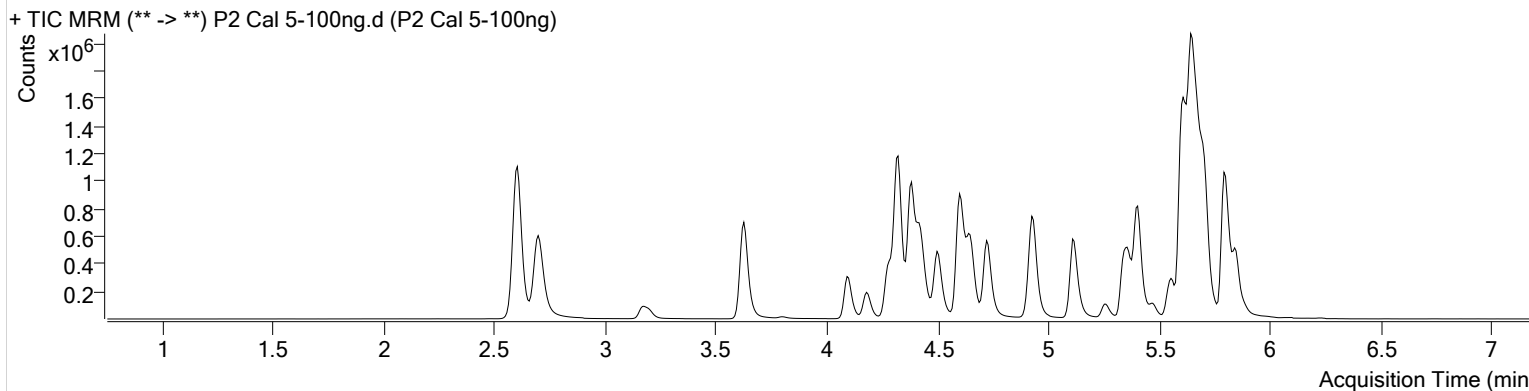


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 5-100ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 5-100ng Tamara Salazar
<b>Sample Position</b>	P6-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 3:08:32 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	986705	13957.55	42.9	1840.59	158223	105.3614 ng/ml
Clonazolam	5.558	233393	16128.72	28.2	∞	21765	101.5203 ng/ml
Doxepin	5.370	422967	24178.95	42.0	936.18	282740	100.7609 ng/ml
Etizolam	5.818	245784	15665.88	27.9	∞	328083	99.2392 ng/ml
Flunitrazepam	5.649	407497	15813.05	32.9	∞	77655	103.5248 ng/ml
Flurazepam	5.339	924981	115134.50	12.3	160909.23	77655	105.8074 ng/ml
Levetiracetam	2.694	243074	5714.64	177.6	9034.70	977965	104.6183 ng/ml
Maprotiline	5.671	986705	13957.55	24.8	1869.72	158223	100.7356 ng/ml
Methocarbamol	4.425	235294	4007.83	77.6	∞	977965	101.9564 ng/ml
Midazolam	5.805	87979	1157.94	87.3	1889.42	91010	102.5308 ng/ml
Nortriptyline	5.693	480860	∞	26.6	∞	139935	101.1939 ng/ml
Pseudoephedrine	2.608	2092073	13194.33	13.2	13204.13	977965	100.8645 ng/ml

\$ SJ TS

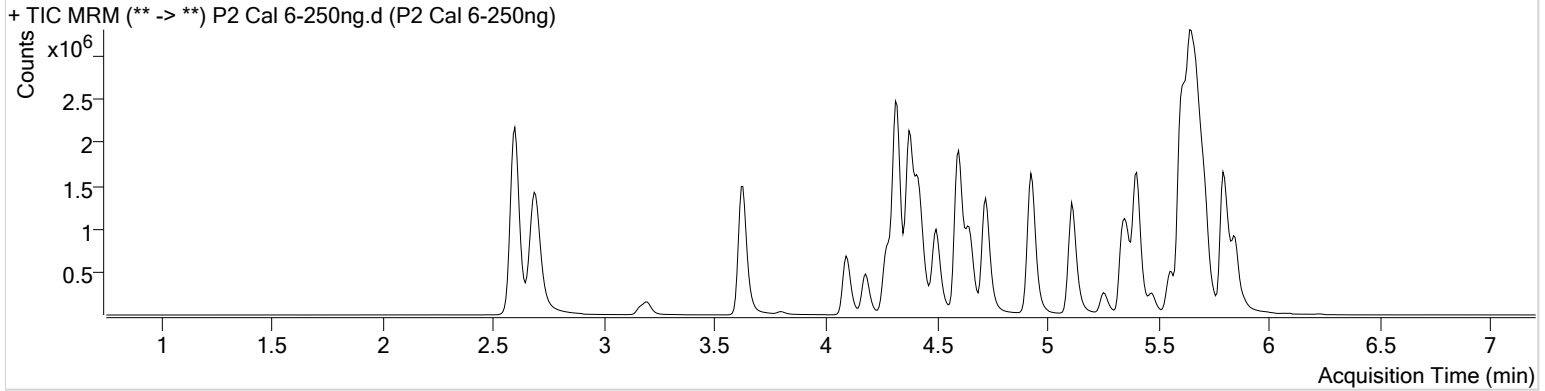


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 6-250ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 6-250ng Tamara Salazar
<b>Sample Position</b>	P6-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 3:19:06 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	1925172	6459.68	45.8	2945.59	132587	245.8230 ng/ml
Clonazolam	5.558	503712	770569.59	29.0	∞	19885	241.7030 ng/ml
Doxepin	5.363	934586	23941.53	44.2	3472.77	257825	244.8187 ng/ml
Etizolam	5.818	490441	4965.63	27.6	∞	228612	282.9506 ng/ml
Flunitrazepam	5.649	650269	8769.20	34.4	2229.38	51552	251.1829 ng/ml
Flurazepam	5.339	2147442	182274.90	13.1	∞	51552	364.1503 ng/ml
Levetiracetam	2.687	556817	13851.12	172.5	10002.98	958096	246.4380 ng/ml
Maprotiline	5.671	1925172	6459.68	20.7	8199.09	132587	234.5857 ng/ml
Methocarbamol	4.425	491900	34065.02	78.0	∞	958096	219.8547 ng/ml
Midazolam	5.805	181984	1240.88	91.5	10496.71	78351	246.1171 ng/ml
Nortriptyline	5.693	882641	75958.29	27.2	2853.09	105410	246.5826 ng/ml
Pseudoephedrine	2.601	5024473	∞	13.2	∞	958096	247.5616 ng/ml

\$ SJ TS

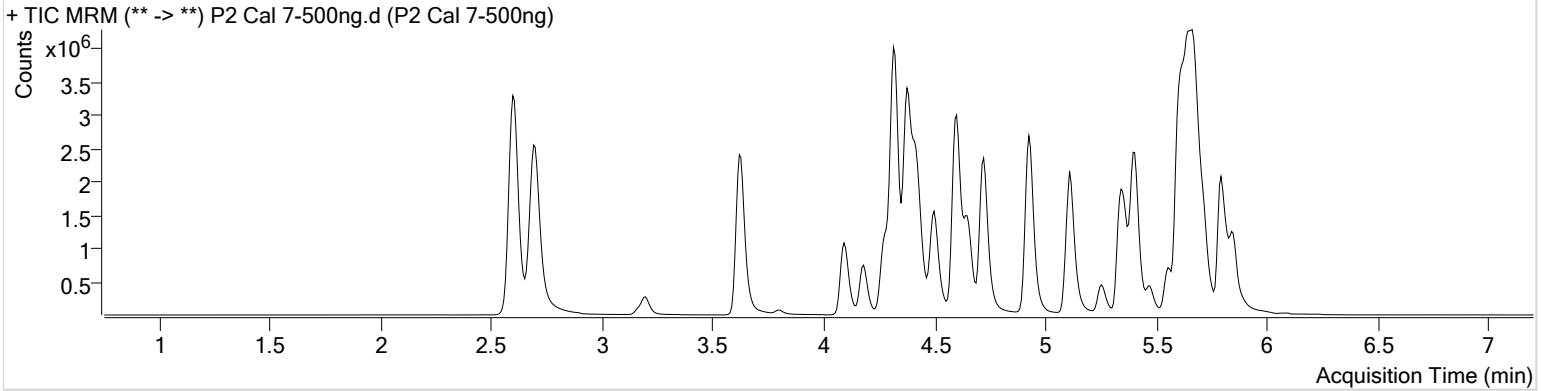


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 7-500ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 7-500ng Tamara Salazar
<b>Sample Position</b>	P6-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 3:29:39 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	2867120	31940.69	46.6	1948.96	104293	465.7577 ng/ml
Clonazolam	5.558	774599	∞	29.3	∞	17269	429.0475 ng/ml
Doxepin	5.363	1504791	3483.59	45.8	4880.90	210061	484.2724 ng/ml
Etizolam	5.818	733678	3416.62	27.7	6448.12	140030	690.0922 ng/ml
Flunitrazepam	5.649	743119	5612.53	34.7	6910.68	33150	447.6793 ng/ml
Flurazepam	5.332	3860261	53491.32	13.2	63456.03	33150	1013.7429 ng/ml
Levetiracetam	2.687	848619	44654.27	172.6	35202.33	833556	432.7201 ng/ml
Maprotiline	5.671	2867120	31940.69	15.9 <b>Low</b>	7296.61	104293	444.1683 ng/ml
Methocarbamol	4.425	715481	43715.66	78.7	30669.58	833556	368.9178 ng/ml
Midazolam	5.798	277016	1461.67	88.5	8987.15	60277	486.8161 ng/ml
Nortriptyline	5.693	1140713	∞	27.3	38111.90	69659	482.2303 ng/ml
Pseudoephedrine	2.601	8749446	12512.76	13.1	∞	833556	495.7079 ng/ml

\$ SJ TS

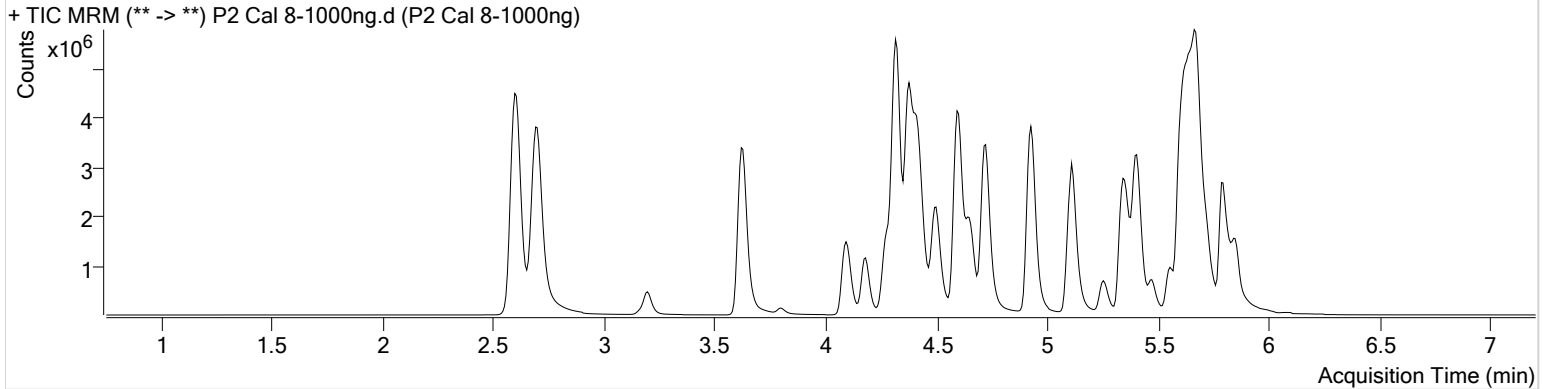


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\111920 AM 28 P2 TS SP SJ\_AM 28 27 SP\QuantResults\AM 28 P2\_casework.batch.bin  
**Calibration Last Update** 11/20/2020 8:51:19 AM

<b>Instrument Type</b>	Instrument 1 Cal	<b>Data File</b>	P2 Cal 8-1000ng.d
<b>Acq. Method</b>	AM 28 MDQ P2.m	<b>Sample Operator</b>	P2 Cal 8-1000ng Tamara Salazar
<b>Sample Position</b>	P6-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	11/19/2020 3:40:14 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.671	4312764	54551.70	49.2	737.81	80947	903.0107 ng/ml
Clonazolam	5.551	962055	∞	31.1	∞	13699	672.5276 ng/ml
Doxepin	5.363	2352616	75439.72	47.3	16157.68	164784	965.6125 ng/ml
Etizolam	5.818	928818	∞	27.0	2960.49	70615	1731.4254 ng/ml
Flunitrazepam	5.656	569367	∞	35.4	∞	12521	909.8666 ng/ml
Flurazepam	5.339	5876415	466446.13	13.4	∞	12521	4078.7390 ng/ml
Levetiracetam	2.694	1118974	4243.20	172.1	8985.92	629760	756.2315 ng/ml
Maprotiline	5.671	4312764	54551.70	12.1 <b>Low</b>	13088.36	80947	860.8400 ng/ml
Methocarbamol	4.432	812288	59468.11	80.1	∞	629760	555.3856 ng/ml
Midazolam	5.805	380864	2129.07	89.5	1097.34	40880	986.7306 ng/ml
Nortriptyline	5.693	1645196	22848.01	28.1	12460.72	49398	980.7587 ng/ml
Pseudoephedrine	2.601	13000622	9762.62	13.3	10041.56	629760	975.1157 ng/ml