


Worklist: 3969

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2019-5672	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5689	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5707	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5719	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5758	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5775	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-0111	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-0212	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-0264	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0104	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0105	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0161	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0171	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0172	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0173	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0174	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0191	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0228	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0248	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0249	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 3969

TS

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2020-0250	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ





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**Idaho State Police  
Forensic Services  
Toxicology Discipline**

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**Request for Departure from an Analytical Method**

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Date of Request

01/13/2020

Forensic Scientist

Celena Shrum

Analytical Methods

Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBBox extraction plates are as follows:

- \*MDS (batch IDP-107-190725)- Expiration is 1/25/2020
- \*THC (batch IDP-108-190716)- Expiration is 1/16/2020
- \*MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
- \*MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

*Celena Shrum*

Date: 01/13/2020

Celena Shrum

Toxicology Discipline Lead

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

TS

Extraction Date: 01/29/2020  
Plate lot#: Item #:IDP-111 Lot:190729

Analyst: Tamara Salazar  
Plate Expiration: 01/29/20

**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:** 445283-3

**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.
- 3. Create worklist.

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 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 **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: *D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS*  
Batch Name: *MDQ wklst 3969 TS*
- 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: *Curves limited: 7-aminoclonazepam: 5-500, Amphetamine: 5- 250, Dihydrocodeine: 5-500, Lamotrigine: 5-250, Lorazepam: 5-500, Mitragynine: 5-500, Norbuprenorphine: 2.5-100, Norfentanyl: 0.5-50, Phentermine: 5-500*

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*Oxazepam calibrator 2 point dropped due to qualifier ion appearing to have a split peak causing the ratio to be out of line.*



# Idaho State Police Forensic Services

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**AM #25 Blood Multi-Drug Screen by LCMS-QQQ  
And  
AM #28 Blood Multi-Drug Confirmatory Analysis by  
LCMS-QQQ---Panel 1**

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**Methanol External Control Solution (Lot: 031319)**  
*100 ul of 1mg/mL stock was added to each drug to 9700 ul of LC MeOH.*  
*\*Made for the AM 28 urine validation*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	184782	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	03/13/19		
Prepared By:	Tamara Salazar		
Expires:	03/13/2020		

**Blood External Control Solution (Lot: WS010820)**  
*100 ul of methanol external control solution was added to 9900 ul of blood.*  
*Approximately 50ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-3
Methanol External Control Solution		031319
Prepared:	01/08/2020	
Prepared by:	Tamara Salazar	
Expires:	03/13/2020	



# AM #28 Multi-Drug Quant. Results



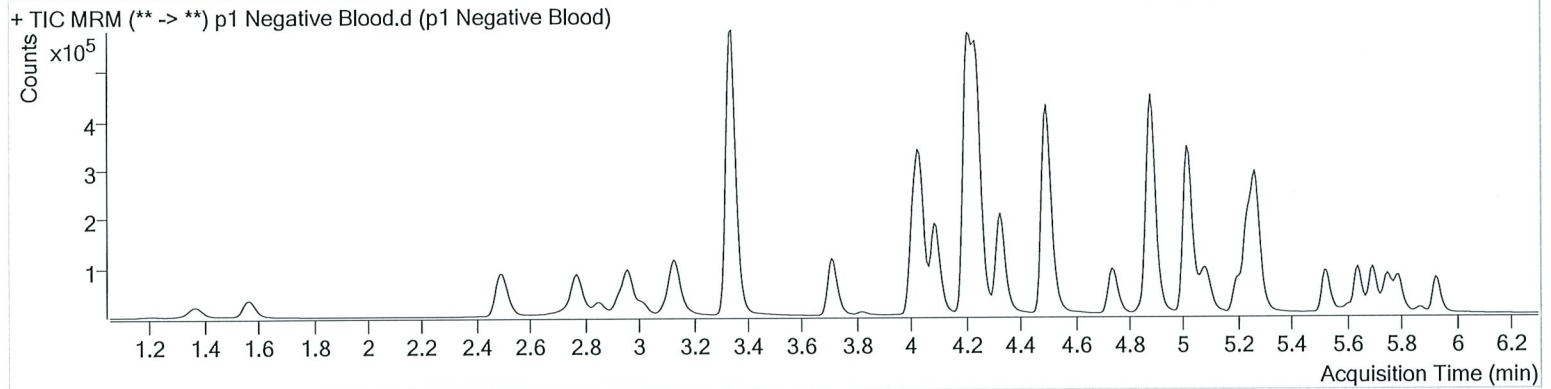
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
TS.batch.bin

**Calibration Last Update** 1/30/2020 9:29:02 AM

**Instrument** Falco  
**Type** Sample  
**Acq. Method** MDQ P1 01112020.m  
**Sample Position** P1-E2  
**Injection Volume** 2  
**Acq. Date-Time** 1/29/2020 9:18:06 PM  
**Sample Info.**

**Data File** p1 Negative Blood.d  
**Sample** p1 Negative Blood  
**Operator** Tamara Salazar  
**Comment**

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

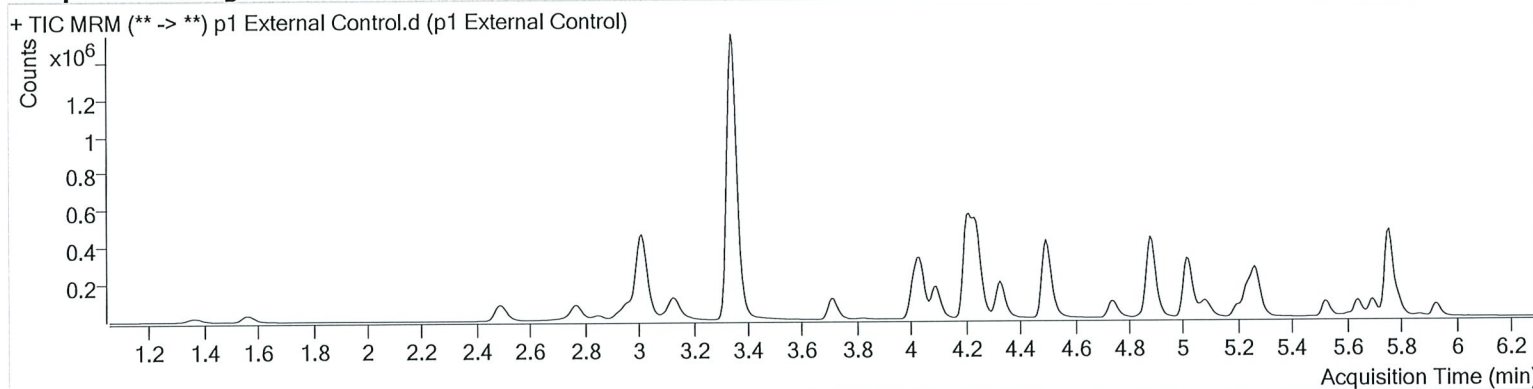
TS



**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 External Control.d
<b>Type</b>	Sample	<b>Sample</b>	p1 External Control
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 9:28:40 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.756	445004	1935.64	103.0	∞	122894	94.4196 ng/ml
Amphetamine	3.014	858874	∞	53.1	17867.77	111029	106.4613 ng/ml
O-desmethyl-tramadol	3.348	2493729	191033.42	6.0	2090.97	1347073	101.7350 ng/ml

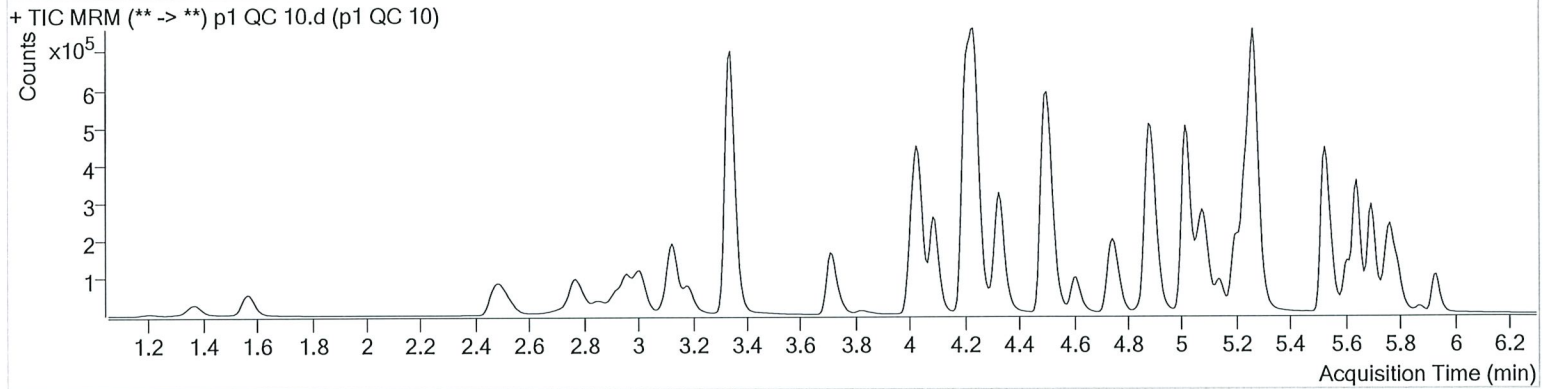
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

**Instrument** Falco **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** MDQ P1 01112020.m **Operator** Tamara Salazar  
**Sample Position** P1-A2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/29/2020 7:42:50 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2017	974.05	68.9	2839.08	43618	1.0007 ng/ml
7-aminoclonazepam	4.231	28267	2172.81	84.6	∞	116774	9.8263 ng/ml
a-hydroxyalprazolam	5.673	4656	382.40	60.5	238.23	9288	10.6849 ng/ml
alpha-PVP	4.337	131195	4094.76	51.1	546.47	594720	10.0078 ng/ml
Alprazolam	5.756	53896	340.12	104.9	361.88	137787	10.1902 ng/ml
Amphetamine	3.007	148499	3720.56	54.9	1187.11	178677	9.9149 ng/ml
Benzoylcegonine	3.847	5294	369.91	7.9	26.58	19620	9.5366 ng/ml
Buprenorphine	5.814	2817	158.63	19.3	∞	102245	0.9956 ng/ml
Bupropion	4.759	117711	1530.07	57.6	4059.40	416498	10.0187 ng/ml
Carisoprodol	5.705	33553	391.80	55.7	144.11	158956	10.8066 ng/ml
Citalopram	5.202	81779	4287.05	41.4	1584.58	367108	10.1481 ng/ml
Clonazepam	5.586	7991	304.67	35.5	∞	10097	9.2497 ng/ml
Cocaine	4.237	134485	985.42	44.3	382.54	1061045	9.9115 ng/ml
Codeine	2.536	15728	2337.80	100.1	408.01	66607	10.3396 ng/ml
Cyclobenzaprine	5.610	57530	5718.36	9.7	∞	215259	9.9810 ng/ml
Dextromethorphan	5.245	43072	1580.78	81.1	386.09	197653	9.7634 ng/ml
Dextrorphan	4.093	37405	1717.08	208.3	2273.95	474910	10.2015 ng/ml
Diazepam	5.934	32974	∞	89.8	1264.54	155049	10.1891 ng/ml
Dihydrocodeine	2.514	41552	4425.66	67.1	1802.60	227820	10.1153 ng/ml
Diphenhydramine	5.272	179907	2307.22	34.1	6006.60	1329659	10.1944 ng/ml
Doxylamine	4.514	298654	6895.40	98.6	2968.65	1268400	8.9873 ng/ml
EDDP	5.237	92669	422.05	42.3	1806.14	488435	10.3810 ng/ml
Fentanyl	5.079	6000	314.26	74.7	3153.86	307557	1.0411 ng/ml
Fluoxetine	5.695	71296	1525.26	8.6	377.86	297584	10.0126 ng/ml
Hydrocodone	2.991	36934	154.12	41.6	162.10	240975	9.9794 ng/ml
Hydromorphone	1.574	33533	359.67	77.1	560.80	128423	9.6507 ng/ml
Ketamine	4.026	115762	1484.68	37.1	510.62	534835	10.1443 ng/ml
Lamotrigine	4.248	11034	804.31	78.9	868.33	534835	10.5593 ng/ml
Lorazepam	5.728	2527	75.82	62.2	14.76	10097	8.8679 ng/ml
Meprobamate	4.868	8155	1139.17	27.0	∞	40084	10.5951 ng/ml
Methadone	5.641	111774	12257.33	52.8	2170.00	531189	10.1725 ng/ml
Methamphetamine	3.188	121229	3805.49	42.4	2168.36	458611	10.7169 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	26897	1078.42	96.1	1624.00	1335267	10.8838 ng/ml
Mirtazapine	4.609	156987	4726.99	49.3	2786.18	594720	11.1655 ng/ml
Mitragynine	5.214	21727	1619.51	39.1	16212.03	531189	11.0651 ng/ml
Morphine	1.213	5149	2046.03	22.5	1661.36	5775	9.4101 ng/ml
* Norbuprenorphine	4.970	140	15.10	95.1	445.72	6855	1.1726 ng/ml
Nordiazepam	5.874	7079	238.50	56.2	1160.98	21245	10.7275 ng/ml
Norfentanyl	4.053	16346	1308.23	35.5	149.82	682669	0.9883 ng/ml
Norhydrocodone	3.032	5832	153.50	46.2	∞	59455	8.9476 ng/ml
Noroxycodone	2.876	27021	540.66	50.5	253.76	84052	10.1395 ng/ml
O-desmethyl-tramadol	3.341	280624	15055.21	6.1	516.37	1496654	10.0828 ng/ml
Oxazepam	5.731	2469	43.52	76.5	34.99	16123	9.3870 ng/ml
Oxycodone	2.794	70129	∞	30.9	1098.63	316149	10.1403 ng/ml
Oxymorphone	1.370	21576	305.44	47.6	437.34	79278	9.7544 ng/ml
Phentermine	3.745	38091	568.99	2.5	131.94	427610	10.7236 ng/ml
Promethazine	5.527	130058	1334.74	30.1	328.22	592673	9.8492 ng/ml
Quetiapine	5.544	134006	1202.33	62.2	706.26	174796	9.9668 ng/ml
Sertraline	5.770	36402	615.63	90.3	390.10	162015	9.0378 ng/ml
Temazepam	5.798	26685	259.27	31.3	26.18	136291	10.2440 ng/ml
Tramadol	4.219	274968	2132.86	3.3	145.42	1335267	10.8567 ng/ml
Trazodone	5.140	111390	7116.30	79.5	8822.04	462141	10.0890 ng/ml
Venlafaxine	5.013	185990	4921.67	36.7	3469.61	996525	10.0074 ng/ml
Zolpidem	4.898	256015	12019.45	31.3	5892.58	1176215	10.2395 ng/ml

\* Outside curve range. -TS



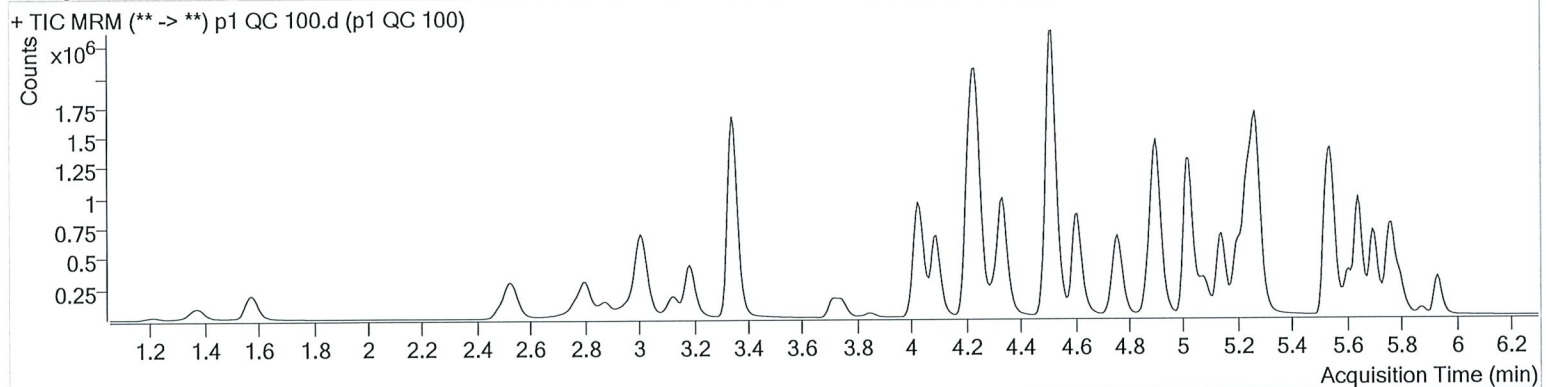


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 8:04:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	20046	1693.83	72.3	1430.88	45887	9.8026 ng/ml
7-aminoclonazepam	4.231	219066	9639.08	80.7	26276.79	99795	99.9505 ng/ml
a-hydroxyalprazolam	5.673	42480	1631.03	66.0	730.65	9348	97.4192 ng/ml
alpha-PVP	4.337	1210806	1991.25	50.6	3678.15	557750	97.2856 ng/ml
Alprazolam	5.756	483939	1425.64	101.6	1219.38	125248	100.7513 ng/ml
Amphetamine	3.014	1074218	15217.23	54.4	32240.63	150076	98.3827 ng/ml
Benzoylcegonine	3.847	52539	8371.07	7.8	2081.71	19847	98.2761 ng/ml
Buprenorphine	5.814	26770	305.61	15.0	699.33	89349	10.0193 ng/ml
Bupropion	4.759	965967	3442.19	58.3	1705.32	350789	103.0132 ng/ml
Carisoprodol	5.705	286081	6966.56	54.8	245.24	143456	102.0862 ng/ml
Citalopram	5.202	704538	688.43	41.6	6854.63	330417	97.7682 ng/ml
Clonazepam	5.586	79987	6828.52	33.7	1864.46	9660	102.5286 ng/ml
Cocaine	4.237	1218741	2007248.57	44.3	38292.90	978476	94.8834 ng/ml
Codeine	2.543	143503	9822.56	99.5	14395.15	63428	103.7261 ng/ml
Cyclobenzaprine	5.610	485202	∞	9.8	205.77	182956	99.4765 ng/ml
Dextromethorphan	5.245	379741	850.33	79.5	53975.01	175835	99.0577 ng/ml
Dextrorphan	4.093	359237	5610.98	210.7	4124.29	464650	101.0823 ng/ml
Diazepam	5.934	295916	5375.50	86.5	6091.42	141756	102.1803 ng/ml
Dihydrocodeine	2.521	390159	5556.64	66.8	5285.16	229391	103.7937 ng/ml
Diphenhydramine	5.272	1566747	221304.49	34.1	12857.38	1175331	96.1104 ng/ml
Doxylamine	4.514	2820671	121373.42	97.1	151526.21	1237859	109.4851 ng/ml
EDDP	5.237	910590	124391.57	42.3	666.25	496823	100.5417 ng/ml
Fentanyl	5.079	51104	681.17	74.5	7551.48	281954	10.1643 ng/ml
Fluoxetine	5.695	560484	887.81	9.1	∞	237604	103.3850 ng/ml
Hydrocodone	2.991	360079	∞	42.1	406.43	251320	98.9230 ng/ml
Hydromorphone	1.574	311236	941.37	78.3	1151.08	123975	96.5682 ng/ml
Ketamine	4.026	1074607	39593.23	38.6	8872.28	502061	106.2610 ng/ml
Lamotrigine	4.254	92307	25249.64	80.7	6421.43	502061	103.4500 ng/ml
Lorazepam	5.728	27341	∞	53.5	157.60	9660	96.4250 ng/ml
Meprobamate	4.868	77352	13638.64	25.9	682.82	41082	106.2527 ng/ml
Methadone	5.641	978030	2666.58	53.3	3361.43	480961	97.1132 ng/ml
Methamphetamine	3.188	843616	29258.58	42.7	2532.89	370632	107.0421 ng/ml

# AM #28 Multi-Drug Quant. Results



TS

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	238937	7016.63	96.1	∞	1306975	108.2140 ng/ml
Mirtazapine	4.609	1431679	∞	49.4	8874.79	557750	105.0818 ng/ml
Mitragynine	5.214	188674	54293.24	39.9	363761.86	480961	110.4195 ng/ml
Morphine	1.213	46358	3285.39	22.9	1035.87	5445	95.7822 ng/ml
Norbuprenorphine	4.970	1286	84.48	86.5	110.59	6377	10.4279 ng/ml
Nordiazepam	5.874	63491	∞	57.2	1419.05	20555	99.9732 ng/ml
Norfentanyl	4.053	147866	21207.81	36.7	612.90	618396	9.6555 ng/ml
Norhydrocodone	3.032	63389	704.97	42.1	190.05	57723	95.7250 ng/ml
Noroxycodone	2.876	248028	689.51	48.0	798.71	80776	100.7746 ng/ml
O-desmethyl-tramadol	3.348	2694775	5177.95	6.0	2304.92	1466856	100.9577 ng/ml
Oxazepam	5.731	25363	457.02	69.1	516.06	16489	100.6788 ng/ml
Oxycodone	2.800	707872	4148.75	32.0	∞	325560	103.5380 ng/ml
Oxymorphone	1.376	200320	2662.52	47.7	1256.65	74586	100.6138 ng/ml
Phentermine	3.745	293148	12572.70	2.5	381.56	381250	100.7988 ng/ml
Promethazine	5.527	1122105	31826.93	30.4	35814.05	524494	99.1668 ng/ml
Quetiapine	5.544	1206693	9489.88	60.3	38230.93	160866	104.3967 ng/ml
Sertraline	5.770	294499	1629.61	88.2	1492.57	126427	101.2469 ng/ml
Temazepam	5.798	258361	4654.99	29.9	1268.46	131381	105.1845 ng/ml
Tramadol	4.219	2469633	9862.16	3.4	1398.74	1306975	109.4826 ng/ml
Trazodone	5.140	975283	68670.68	79.1	42928.24	428348	101.6603 ng/ml
Venlafaxine	5.020	1757496	58318.84	36.5	1857.00	943995	97.1613 ng/ml
Zolpidem	4.898	2443404	94026.93	30.7	1698.35	1167042	104.2341 ng/ml



TS

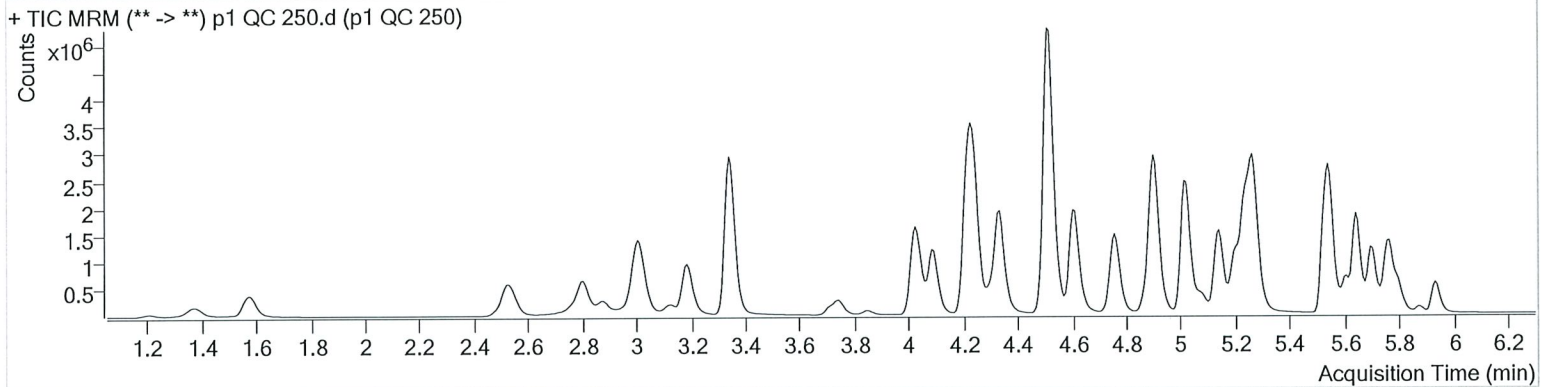


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 8:25:10 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	47921	2540.39	69.9	30496.95	41924	25.7154 ng/ml
7-aminoclonazepam	4.231	376063	12050.51	80.1	18371.27	76255	226.2224 ng/ml
a-hydroxyalprazolam	5.673	100763	∞	61.7	1497.12	8901	242.7871 ng/ml
alpha-PVP	4.337	2771746	13435.68	50.4	23816.28	502106	247.1748 ng/ml
Alprazolam	5.756	984121	1592.17	104.2	1899.28	103472	248.0173 ng/ml
Amphetamine	3.014	2205928	∞	54.0	44314.53	142111	215.3480 ng/ml
Benzoyllecgonine	3.847	125735	15365.26	8.0	1544.04	18314	255.7373 ng/ml
Buprenorphine	5.821	57730	3368.58	16.5	521.30	72850	26.3662 ng/ml
Bupropion	4.759	2325199	174518.93	58.2	6091.63	336508	259.4209 ng/ml
Carisoprodol	5.705	587616	1886.61	55.0	486.48	118055	254.8009 ng/ml
Citalopram	5.202	1556224	7917.59	41.1	2199.40	288526	247.4240 ng/ml
Clonazepam	5.586	181210	4332.08	34.0	1897.34	9143	246.2629 ng/ml
Cocaine	4.237	2569626	2298454.06	43.7	44816.95	801471	243.7879 ng/ml
Codeine	2.550	299853	5778.78	98.8	1217.11	53792	256.3562 ng/ml
Cyclobenzaprine	5.610	1019577	17712.96	10.2	1337.23	153884	248.5986 ng/ml
Dextromethorphan	5.245	789504	2494.63	78.7	1968.70	145526	249.2303 ng/ml
Dextrorphan	4.093	793723	71390.74	210.6	4442.85	405229	256.2524 ng/ml
Diazepam	5.934	611124	1409.17	88.1	17640.41	118982	251.7733 ng/ml
Dihydrocodeine	2.521	829953	57938.64	67.9	4348.64	213675	238.4906 ng/ml
Diphenhydramine	5.272	3457961	3215.55	33.5	∞	1000540	248.4040 ng/ml
Doxylamine	4.514	6831604	13927.68	96.3	72635.92	1190140	279.7432 ng/ml
EDDP	5.237	2109442	1784.10	41.9	3569.24	455091	254.3146 ng/ml
Fentanyl	5.079	115305	966.80	73.9	1588.68	249254	26.0344 ng/ml
Fluoxetine	5.695	1177343	40170.44	8.8	4208.12	202748	255.2983 ng/ml
Hydrocodone	2.991	826564	∞	43.0	365.90	232908	246.0267 ng/ml
Hydromorphone	1.574	689316	1140.57	78.2	1169.31	108577	244.8772 ng/ml
Ketamine	4.026	2416550	90881.95	38.1	1483.97	474757	253.6219 ng/ml
Lamotrigine	4.254	173362	24880.38	79.3	8832.40	474757	206.6290 ng/ml
Lorazepam	5.728	66189	1916.85	56.9	299.77	9143	246.0529 ng/ml
Meprobamate	4.868	170380	7840.82	25.2	2780.13	38242	252.7755 ng/ml
Methadone	5.641	2189948	2668.10	53.7	1782.47	424556	246.1281 ng/ml
Methamphetamine	3.188	1901146	3116.24	42.4	42888.72	351393	257.1049 ng/ml

# AM #28 Multi-Drug Quant. Results



B

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	498394	197706.51	96.8	46366.96	1164097	254.9931 ng/ml
Mirtazapine	4.602	3321332	33166.74	48.8	87590.25	502106	270.1619 ng/ml
Mitragynine	5.214	408338	20334.08	38.4	8908.60	424556	271.4514 ng/ml
Morphine	1.213	102067	1895.77	22.9	630.81	4746	242.9899 ng/ml
Norbuprenorphine	4.970	2973	146.46	85.3	490.47	5810	26.2602 ng/ml
Nordiazepam	5.881	141915	2075.73	57.4	3004.42	17960	255.8425 ng/ml
Norfentanyl	4.053	355884	3671.13	37.3	6185.27	555921	25.8105 ng/ml
Norhydrocodone	3.032	147954	∞	42.2	343.24	51180	251.2792 ng/ml
Noroxycodone	2.876	540506	922.34	48.5	10792.74	70690	251.6259 ng/ml
O-desmethyl-tramadol	3.341	6088402	1351383.39	5.9	50444.04	1284670	260.8344 ng/ml
Oxazepam	5.731	64456	2174.82	67.4	348.17	16473	257.1984 ng/ml
Oxycodone	2.800	1649433	5267.74	31.7	3523.63	302522	260.3383 ng/ml
Oxymorphone	1.370	431691	1013.53	48.5	∞	64956	249.6924 ng/ml
Phentermine	3.745	641594	∞	2.4	679.92	352679	239.9576 ng/ml
Promethazine	5.527	2417993	4836.06	30.2	11211.01	442705	253.7293 ng/ml
Quetiapine	5.544	2698767	10510.08	59.6	383336.73	144181	261.6726 ng/ml
Sertraline	5.770	554549	2208.78	90.8	12501.19	98535	245.7589 ng/ml
Temazepam	5.798	595895	1053.36	29.4	1281.55	120440	265.0242 ng/ml
Tramadol	4.219	5290311	414447.54	3.3	1057.08	1164097	265.0077 ng/ml
Trazodone	5.140	2244250	2679.09	79.7	553644.28	407304	247.0885 ng/ml
Venlafaxine	5.013	4083029	90597.52	35.7	21447.03	853388	249.2259 ng/ml
Zolpidem	4.898	5528016	204466.68	30.3	72602.59	1064523	259.5184 ng/ml



# AM #28 Multi-Drug Quant. Results



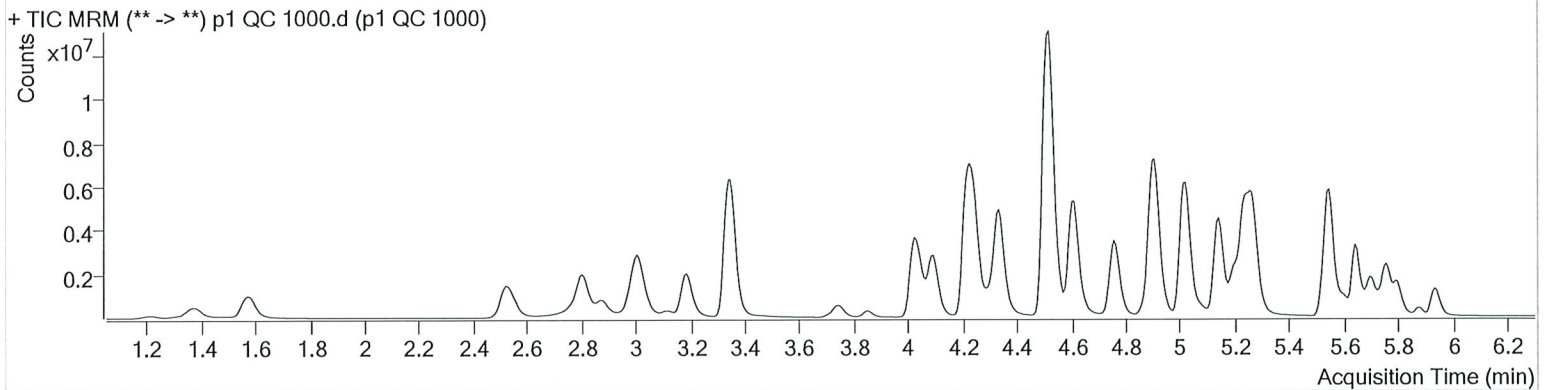
Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklst 3968 3969 TS\QuantResults\MDQ wklt 3969  
TS.batch.bin

Calibration Last Update 1/30/2020 9:29:02 AM

Instrument Falco Data File p1 QC 1000.d  
Type QC Sample p1 QC 1000  
Acq. Method MDQ P1 01112020.m Operator Tamara Salazar  
Sample Position P1-D2 Comment  
Injection Volume 2  
Acq. Date-Time 1/29/2020 8:46:20 PM  
Sample Info.

*\* outside curve range. - TS*

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	175460	1548.36	72.1	2542.27	37733	104.7383 ng/ml
* 7-aminoclonazepam	4.231	490737	∞	82.4	7913.30	36569	617.8838 ng/ml
a-hydroxyalprazolam	5.673	422202	4323.28	61.5	2378.32	8554	1058.7858 ng/ml
alpha-PVP	4.337	8076540	3974.05	50.0	3251.46	366446	986.4660 ng/ml
Alprazolam	5.756	2522866	2881.23	103.0	4269.26	64062	1026.9936 ng/ml
* Amphetamine	3.014	4219872	99306.42	52.5	93728.48	106056	554.6724 ng/ml
Benzoylcegonine	3.847	489635	63243.20	7.8	1591.46	16150	1131.1670 ng/ml
Buprenorphine	5.821	91273	3672.75	16.0	6805.12	25657	118.0766 ng/ml
Bupropion	4.759	5770409	474295.99	57.4	74773.60	215252	1008.2451 ng/ml
Carisoprodol	5.705	1742356	1703.32	53.9	2029.74	89728	994.0298 ng/ml
Citalopram	5.195	3290286	4892.68	41.2	∞	151919	993.7393 ng/ml
Clonazepam	5.586	658405	26271.80	33.7	3371.82	9148	895.9288 ng/ml
Cocaine	4.237	6531549	931954.19	43.0	196173.85	500921	990.5888 ng/ml
Codeine	2.550	790856	857.65	99.9	1467.10	40190	906.3449 ng/ml
Cyclobenzaprine	5.610	1012323	83193.06	9.8	10585.52	39259	967.6492 ng/ml
Dextromethorphan	5.245	1076167	592.84	78.8	793.46	48321	1023.9364 ng/ml
Dextrorphan	4.093	2208658	39501.43	213.6	36107.69	279521	1034.0696 ng/ml
Diazepam	5.934	1600864	3848.79	87.5	1427.42	82390	953.1280 ng/ml
* Dihydrocodeine	2.521	2336477	5106.54	66.8	37521.27	205353	700.7983 ng/ml
Diphenhydramine	5.272	7155260	2511.54	33.0	21737.19	503873	1019.1329 ng/ml
Doxylamine	4.515	19679608	617142.84	97.4	958254.92	1061931	908.9203 ng/ml
EDDP	5.237	7456192	131558.75	41.6	4297.97	396069	1032.9671 ng/ml
Fentanyl	5.079	150240	8263.72	75.4	302.84	82901	102.1644 ng/ml
Fluoxetine	5.695	580930	23681.55	9.0	49351.55	26374	969.9134 ng/ml
Hydrocodone	2.991	2714865	651.32	41.7	∞	212971	885.4746 ng/ml
Ketamorphone	1.574	2034134	∞	78.7	803.99	83838	937.0904 ng/ml
Ketamine	4.026	6941385	489902.42	37.3	6959.94	385633	898.5762 ng/ml
* Lamotrigine	4.261	310300	∞	78.5	85402.64	385633	456.7419 ng/ml
* Lorazepam	5.728	326111	5802.73	56.4	2277.88	9148	1210.2343 ng/ml
Meprobamate	4.868	507281	∞	25.8	12176.08	34267	842.2152 ng/ml
Methadone	5.641	4399809	31780.46	52.1	9976.56	212524	987.4295 ng/ml
Methamphetamine	3.188	4225025	85097.11	42.3	265042.95	235583	856.7496 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	1231002	1431171.90	96.8	∞	920878	798.6417 ng/ml
Mirtazapine	4.609	9479910	261140.36	49.3	311748.69	366446	1055.4102 ng/ml
* Mitragynine	5.214	606028	47232.24	40.3	19159.55	212524	805.7919 ng/ml
Morphine	1.213	315934	5795.45	23.9	4299.13	3743	955.8114 ng/ml
Norbuprenorphine	4.970	5471	357.98	84.5	175.25	2962	94.4514 ng/ml
Nordiazepam	5.874	488940	16874.25	57.5	21739.19	15786	1003.0704 ng/ml
* Norfentanyl	4.061	1180057	218606.18	37.6	2206.51	370581	128.2927 ng/ml
Norhydrocodone	3.032	472495	206.30	43.7	64.45	38282	1071.3981 ng/ml
Noroxycodone	2.876	1608769	620.13	49.7	826.40	53808	985.2573 ng/ml
O-desmethyl-tramadol	3.346	17161874	2750027.83	6.0	56628.99	931948	1014.2162 ng/ml
Oxazepam	5.731	321737	3780.63	69.4	1772.63	21065	1006.0119 ng/ml
Oxycodone	2.800	5804259	4331.48	31.7	21278.95	279583	992.6024 ng/ml
Oxymorphone	1.370	1388835	∞	48.1	2380.41	55612	939.6443 ng/ml
* Phentermine	3.745	1526499	8309.63	2.4	921.47	271916	742.7360 ng/ml
Promethazine	5.527	2132143	11376.97	29.7	1642.43	100809	983.5684 ng/ml
Quetiapine	5.544	8157849	268794.53	60.1	60457.01	129929	879.5946 ng/ml
Sertraline	5.770	223429	1247.86	89.6	17774.61	10230	955.9970 ng/ml
Temazepam	5.798	2145593	3781.42	29.9	1963.03	108943	1055.7146 ng/ml
Tramadol	4.213	13502293	507542.90	3.3	1250.68	920878	857.6966 ng/ml
Trazodone	5.140	6822435	229670.95	78.4	605840.96	345858	886.5293 ng/ml
Venlafaxine	5.020	12239862	647139.41	35.7	40451.43	627964	1014.3977 ng/ml
Zolpidem	4.905	15883183	155892.67	30.7	1797.49	891058	892.4313 ng/ml

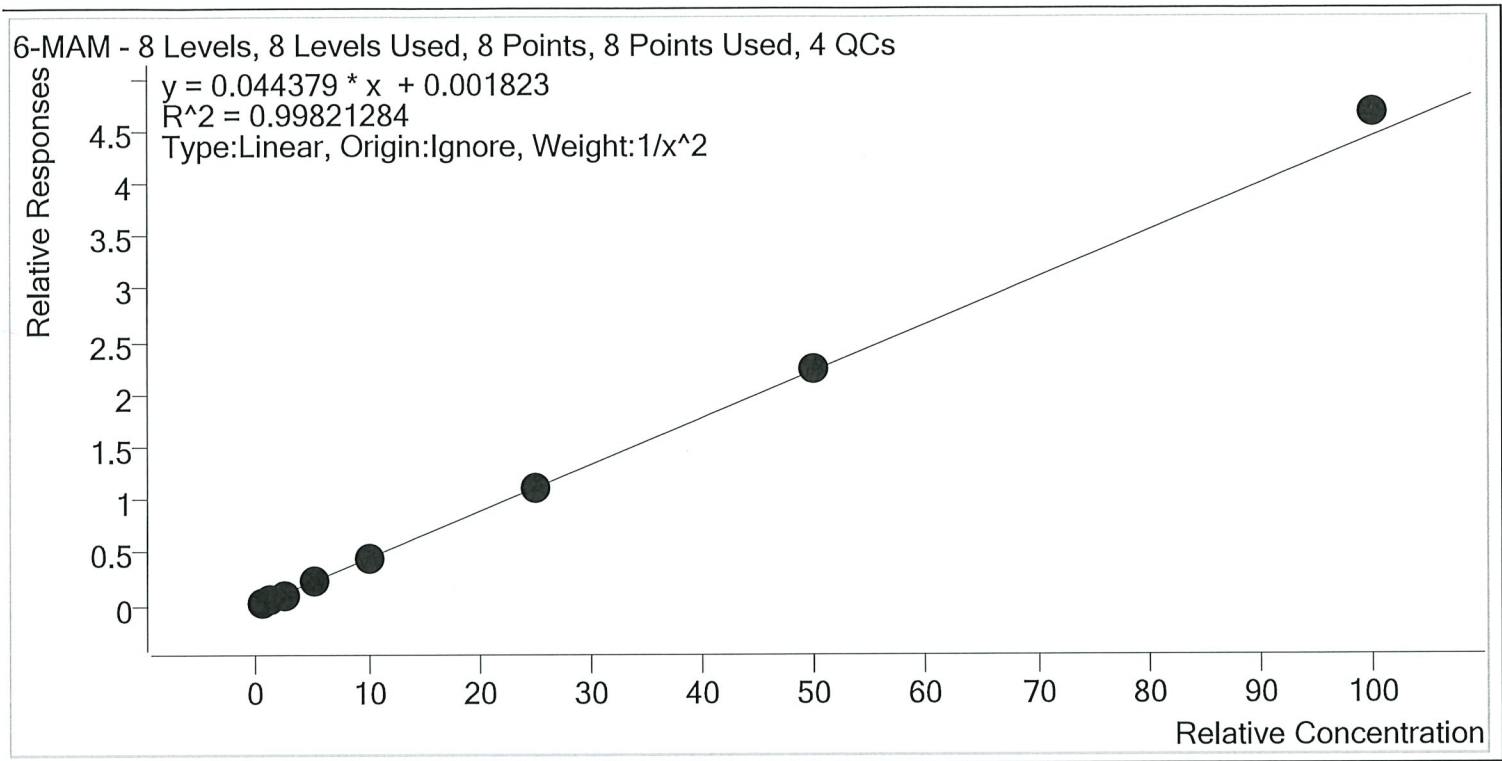
\* Outside curve range - TS

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	5.1	101.9
p1 Cal 5-100ng	5	✓	10.0	9.9	99.1
p1 Cal 6-250ng	6	✓	25.0	25.0	100.1
p1 Cal 7-500ng	7	✓	50.0	50.5	100.9
p1 Cal 8-1000ng	8	✓	100.0	105.1	105.1

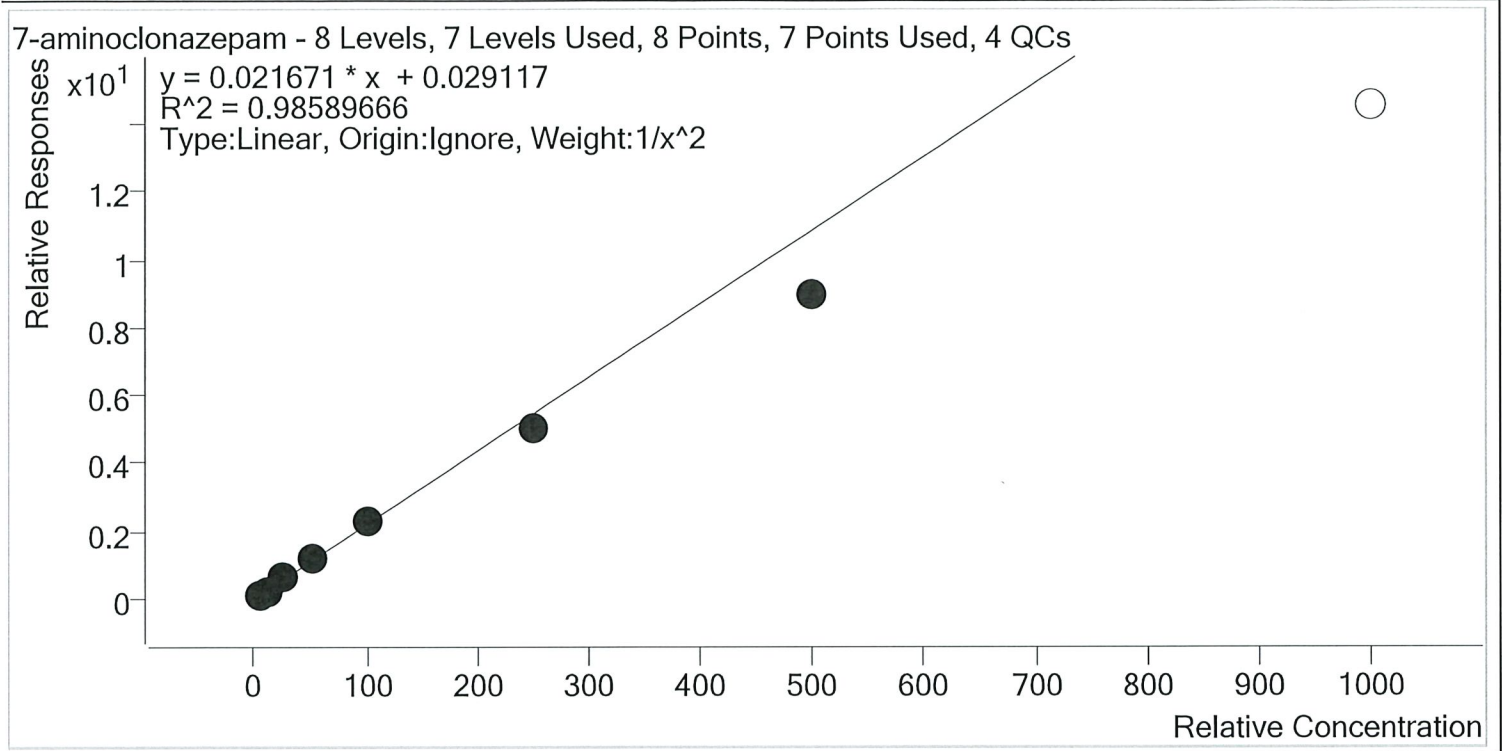


TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



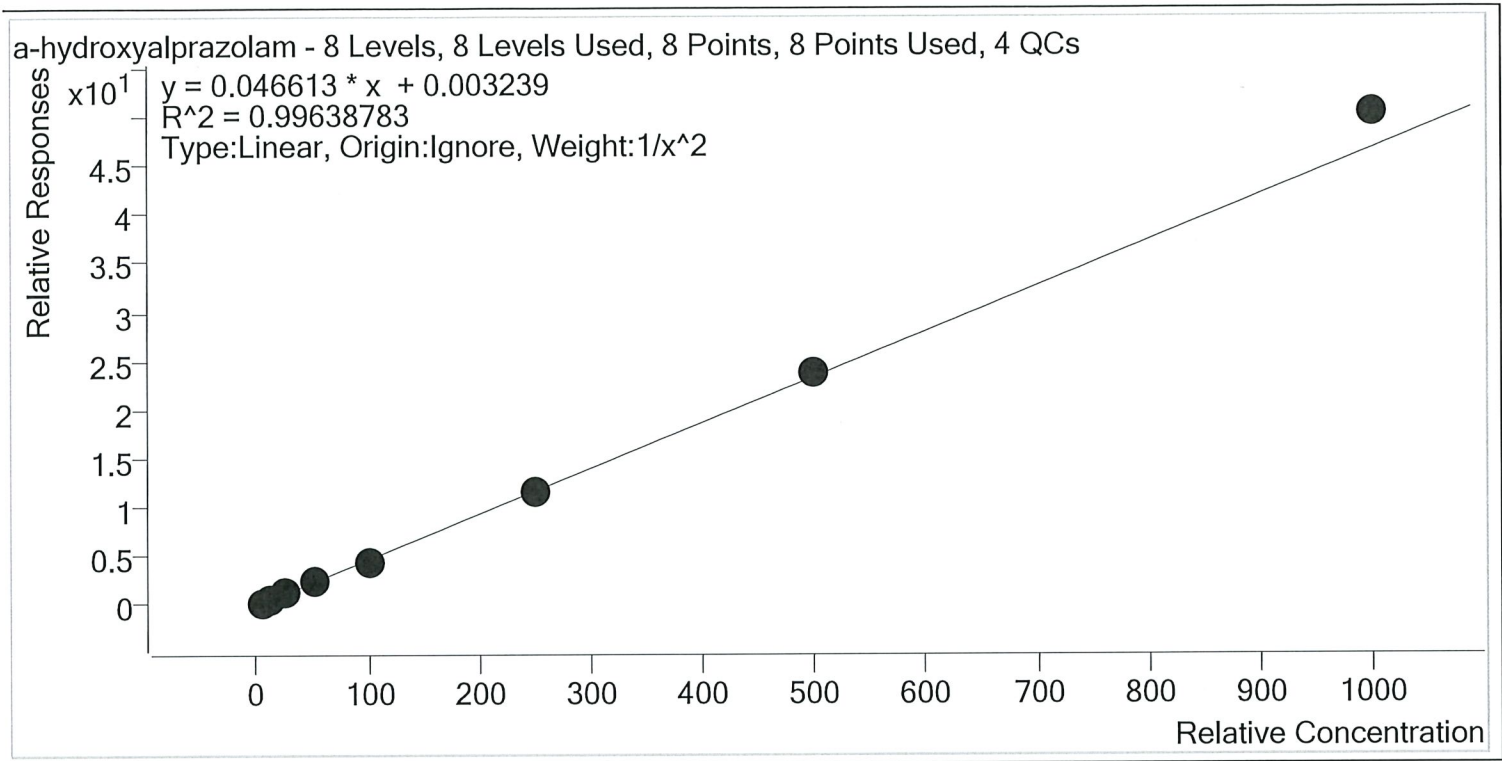
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.2
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	233.1	93.2
p1 Cal 7-500ng	7	✓	500.0	414.8	83.0
p1 Cal 8-1000ng	8	×	1000.0	669.1	66.9





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

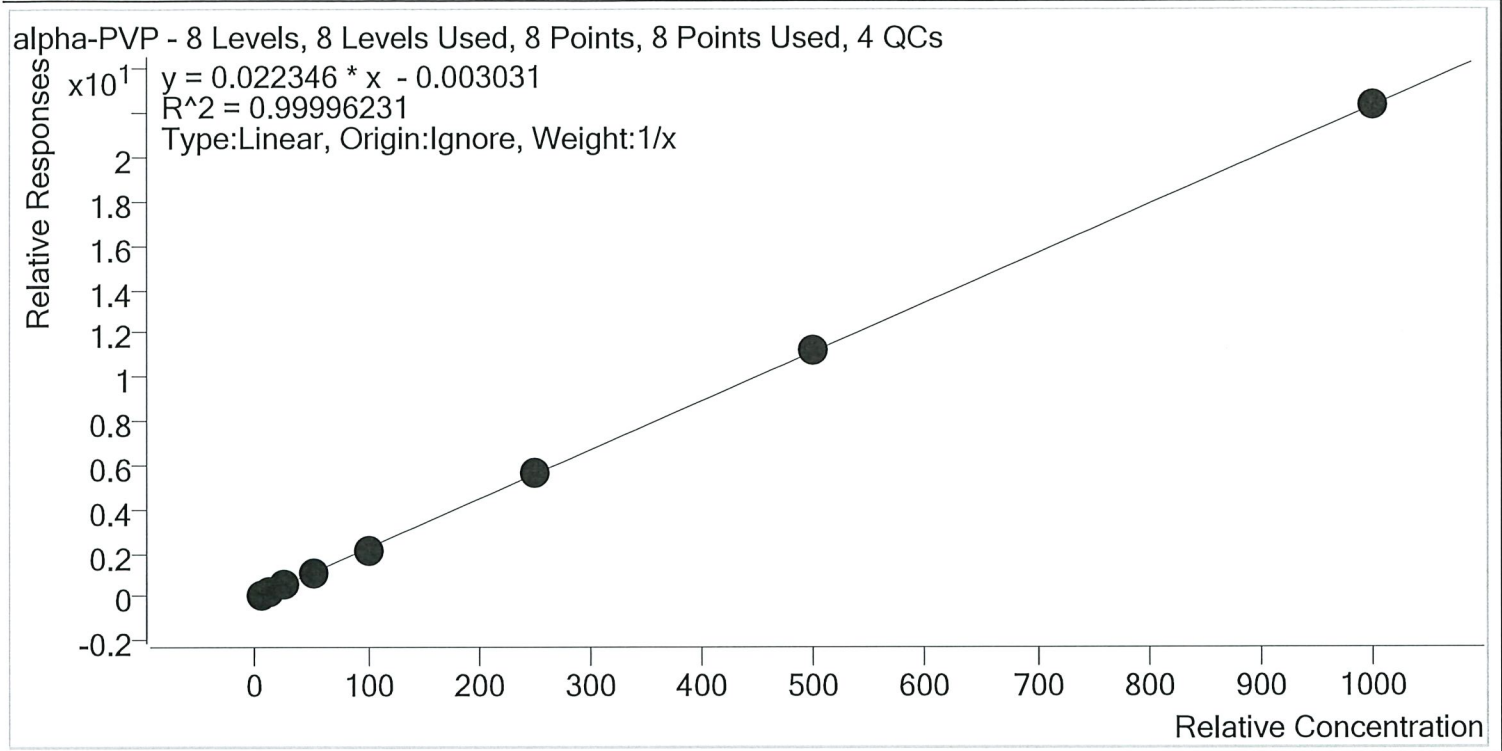


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2- 10ng	2	✓	10.0	9.2	91.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1079.2	107.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1000.9	100.1

TS



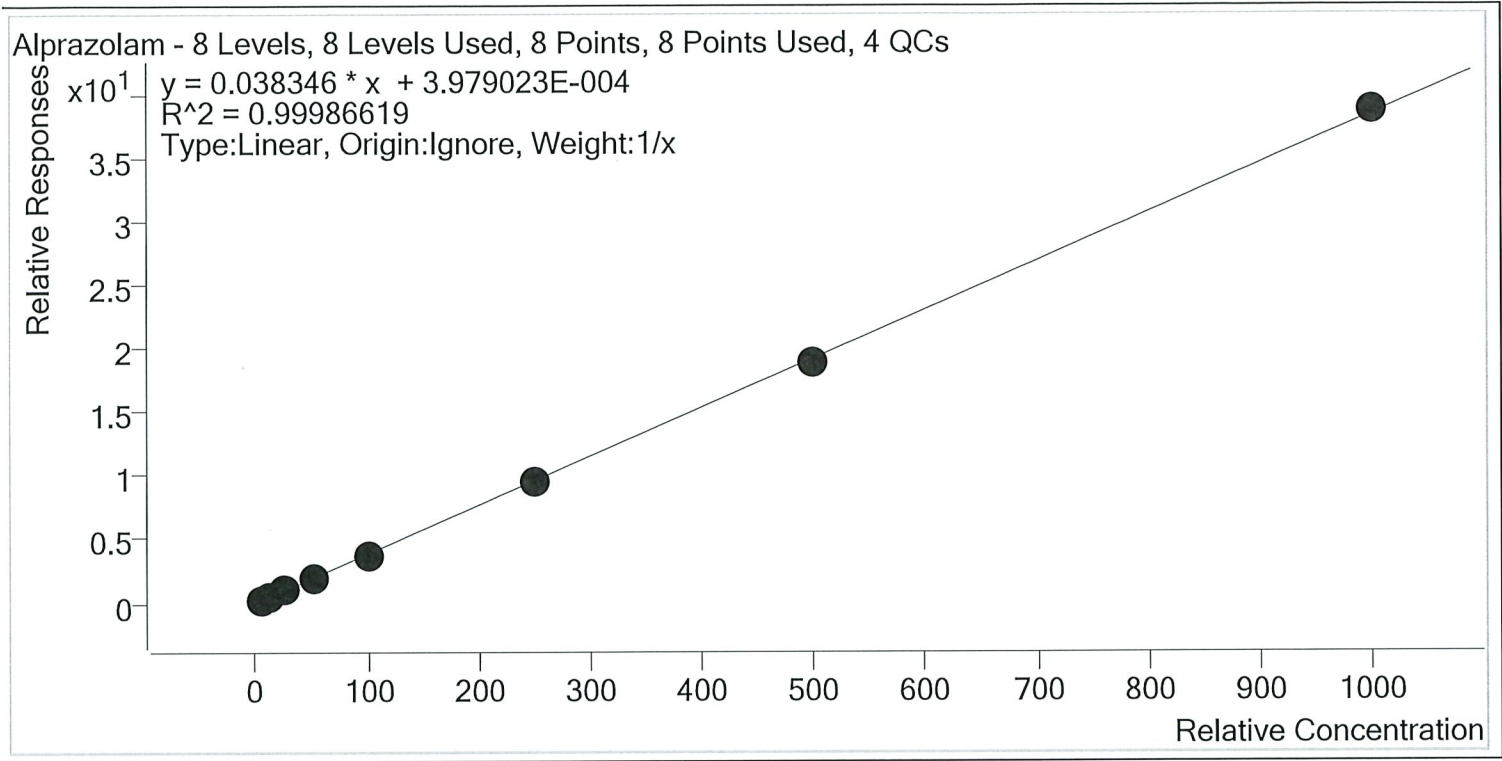
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	249.9	99.9
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1008.2	100.8

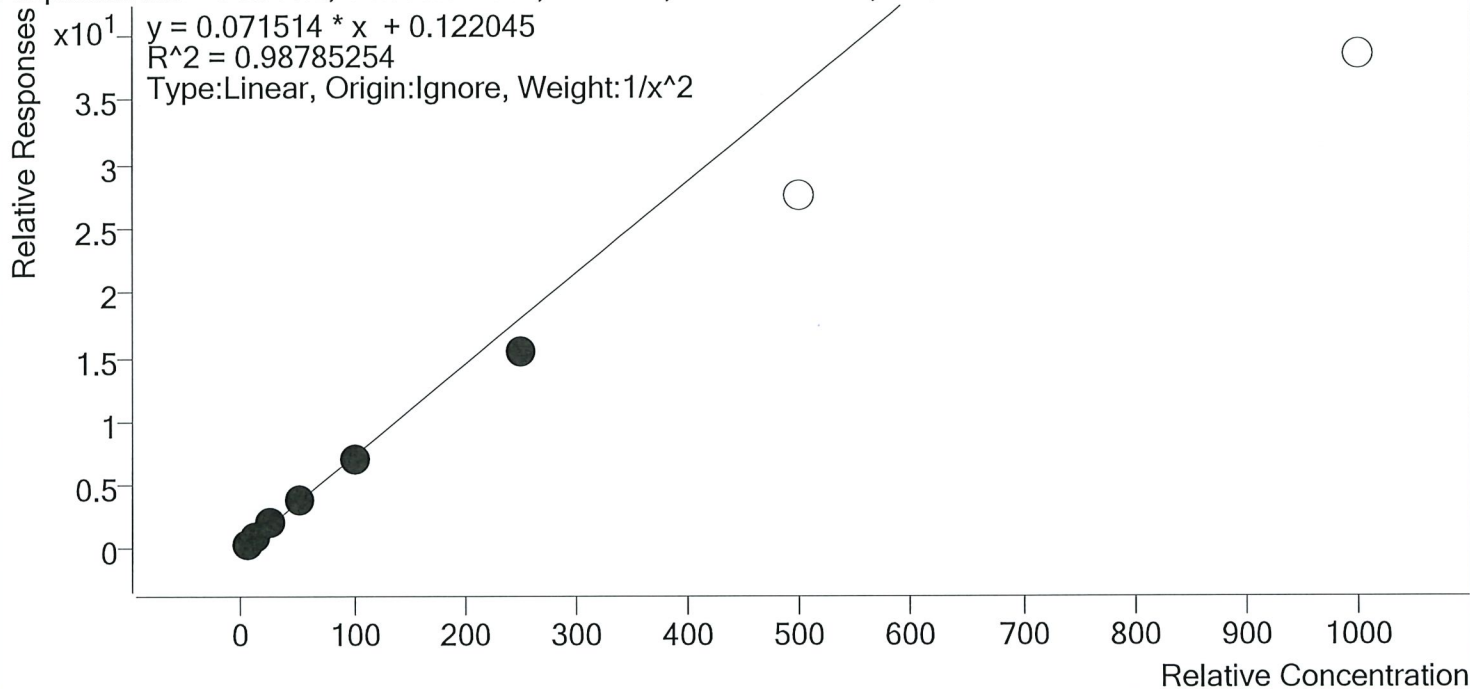
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	213.5	85.4
p1 Cal 7-500ng	7	×	500.0	383.8	76.8
p1 Cal 8-1000ng	8	×	1000.0	537.5	53.7

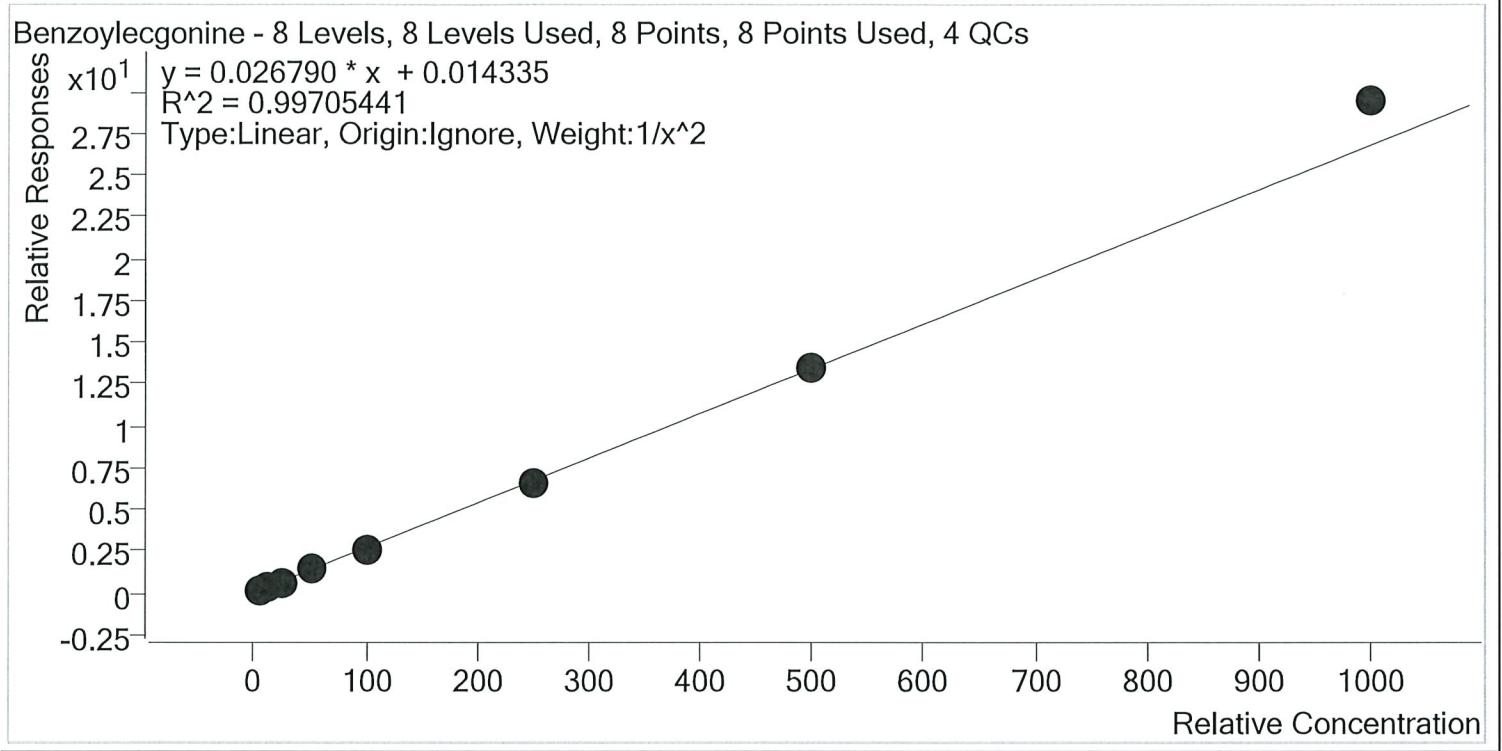


TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



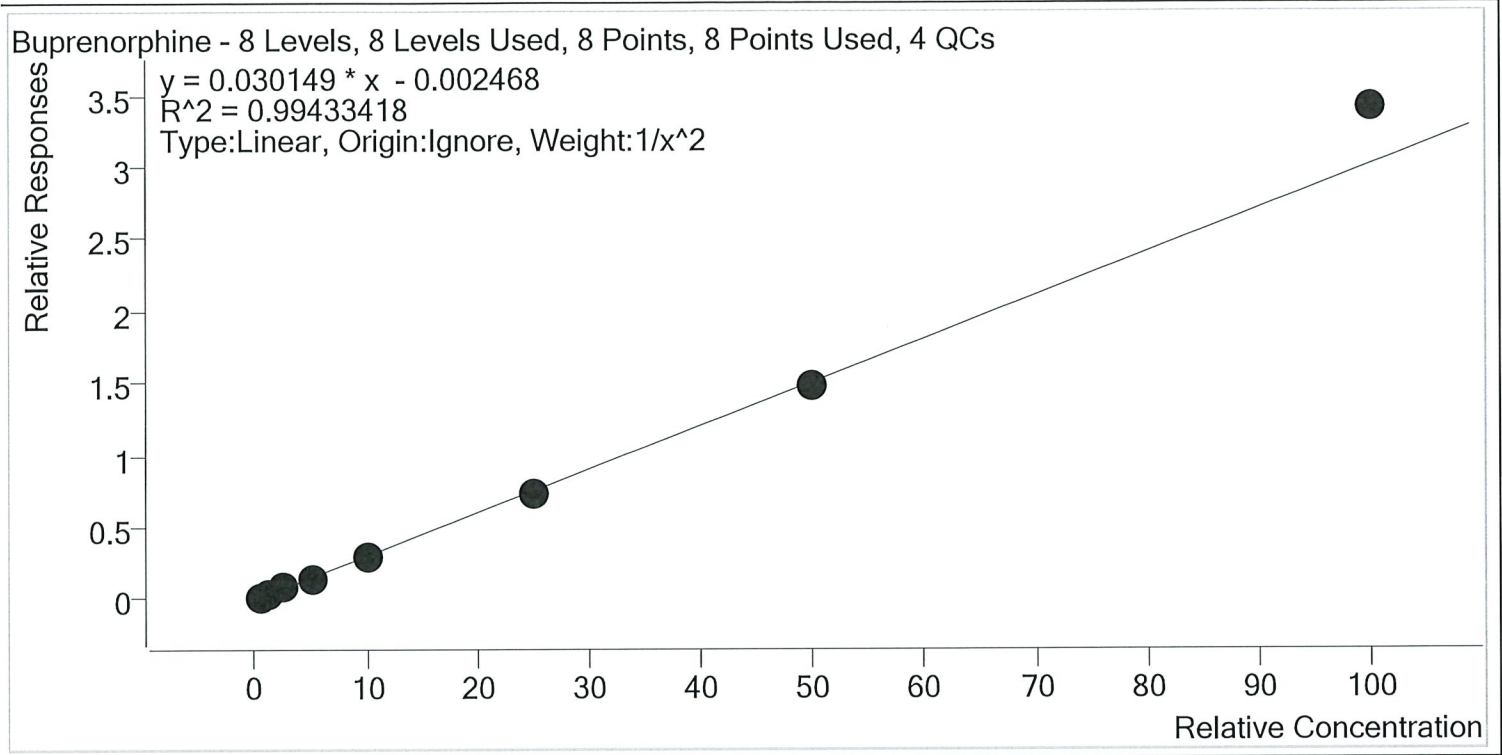
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1098.6	109.9

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	104.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.3
p1 Cal 4-50ng	4	✓	5.0	4.6	91.7
p1 Cal 5-100ng	5	✓	10.0	9.4	94.0
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	49.4	98.7
p1 Cal 8-1000ng	8	✓	100.0	113.2	113.2

TS



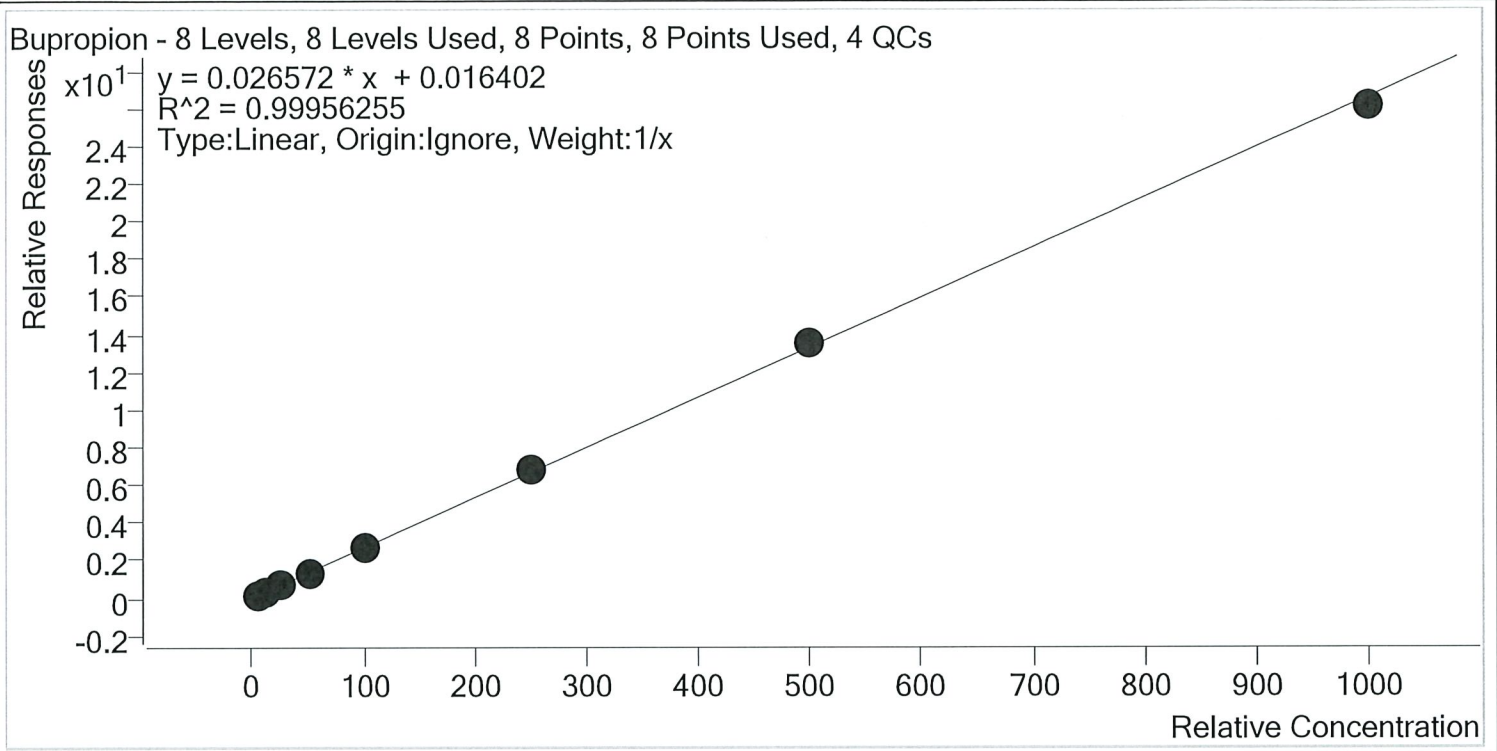
# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin

Last Cal. Update 1/30/2020 9:29 AM

Analyst Name ISP\Datastor

Analyte Bupropion Internal Standard Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	982.0	98.2

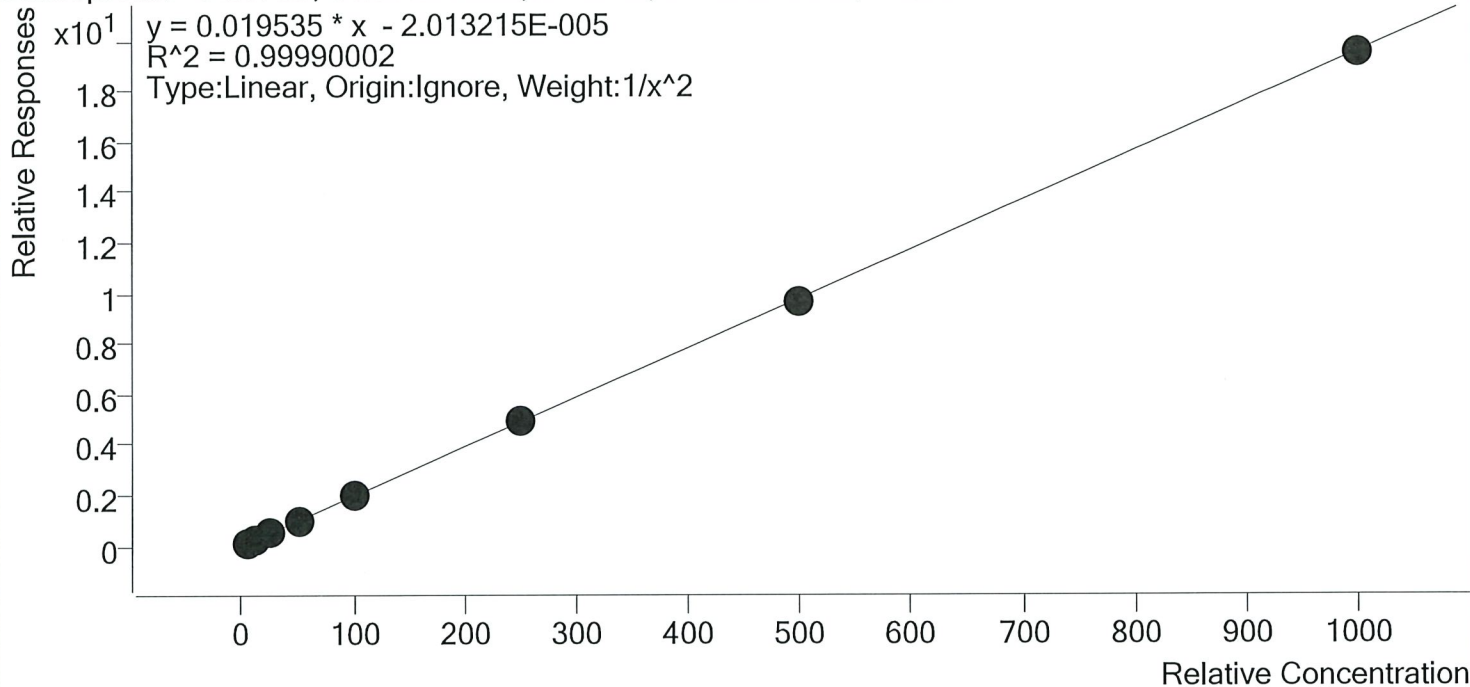
TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	996.9	99.7

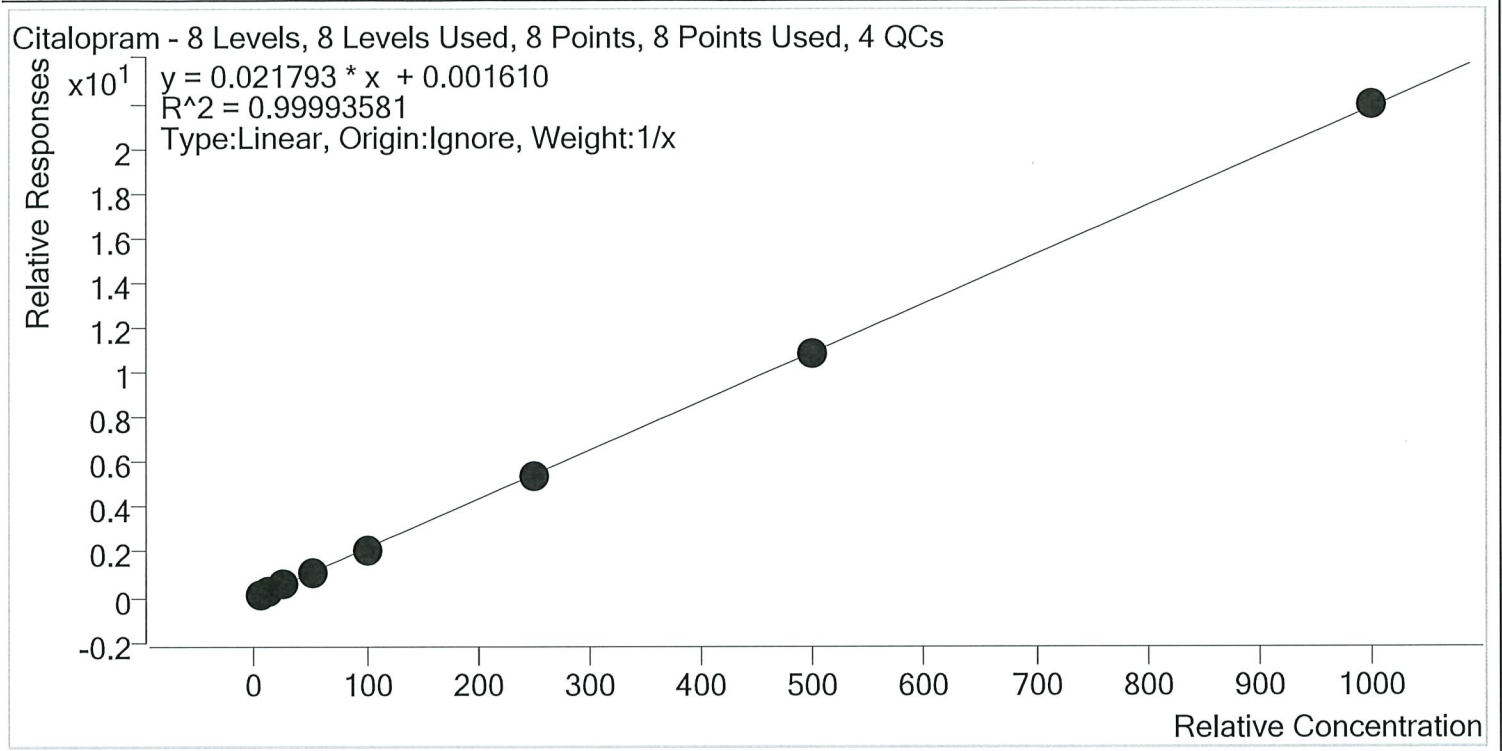


TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



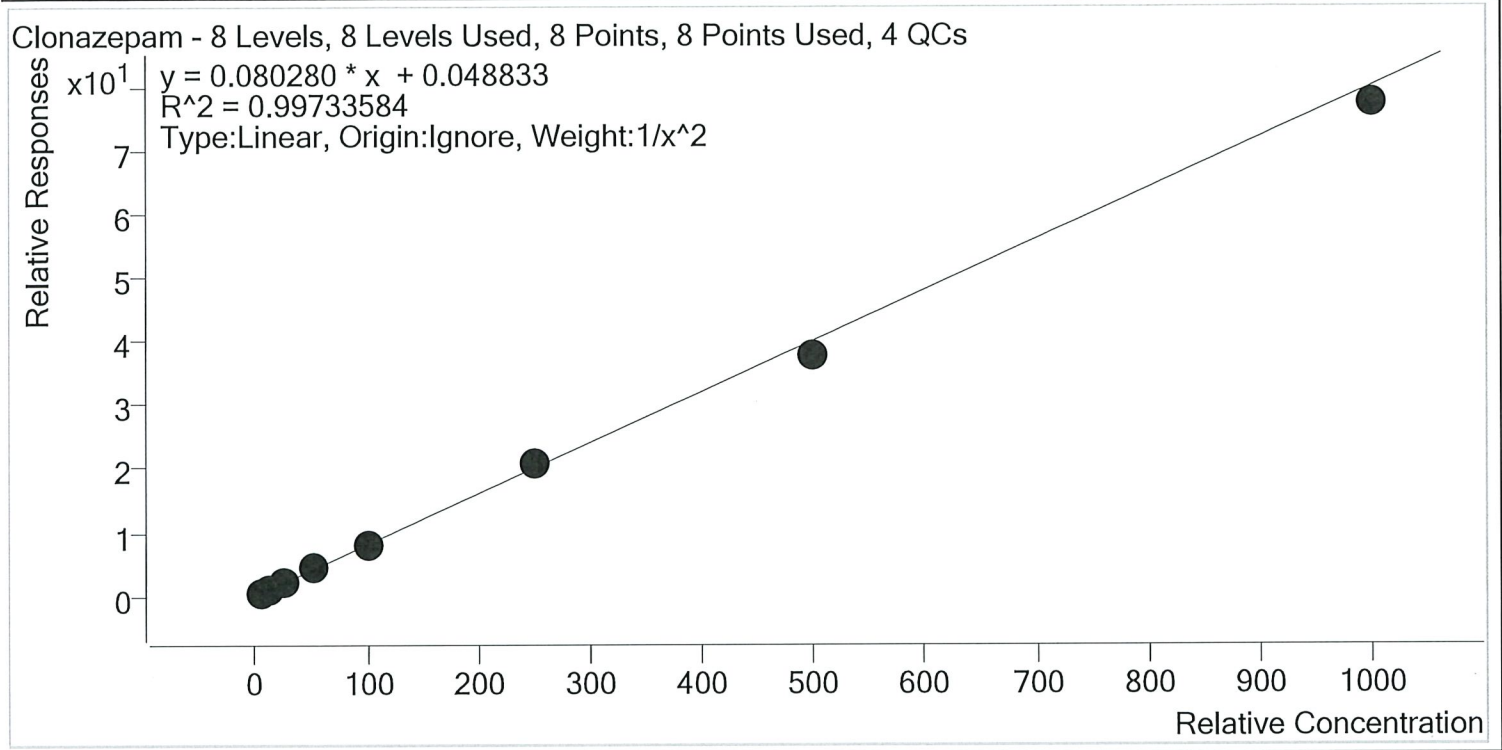
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1005.0	100.5

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datator  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	256.9	102.7
p1 Cal 7-500ng	7	✓	500.0	468.2	93.6
p1 Cal 8-1000ng	8	✓	1000.0	966.4	96.6

TS



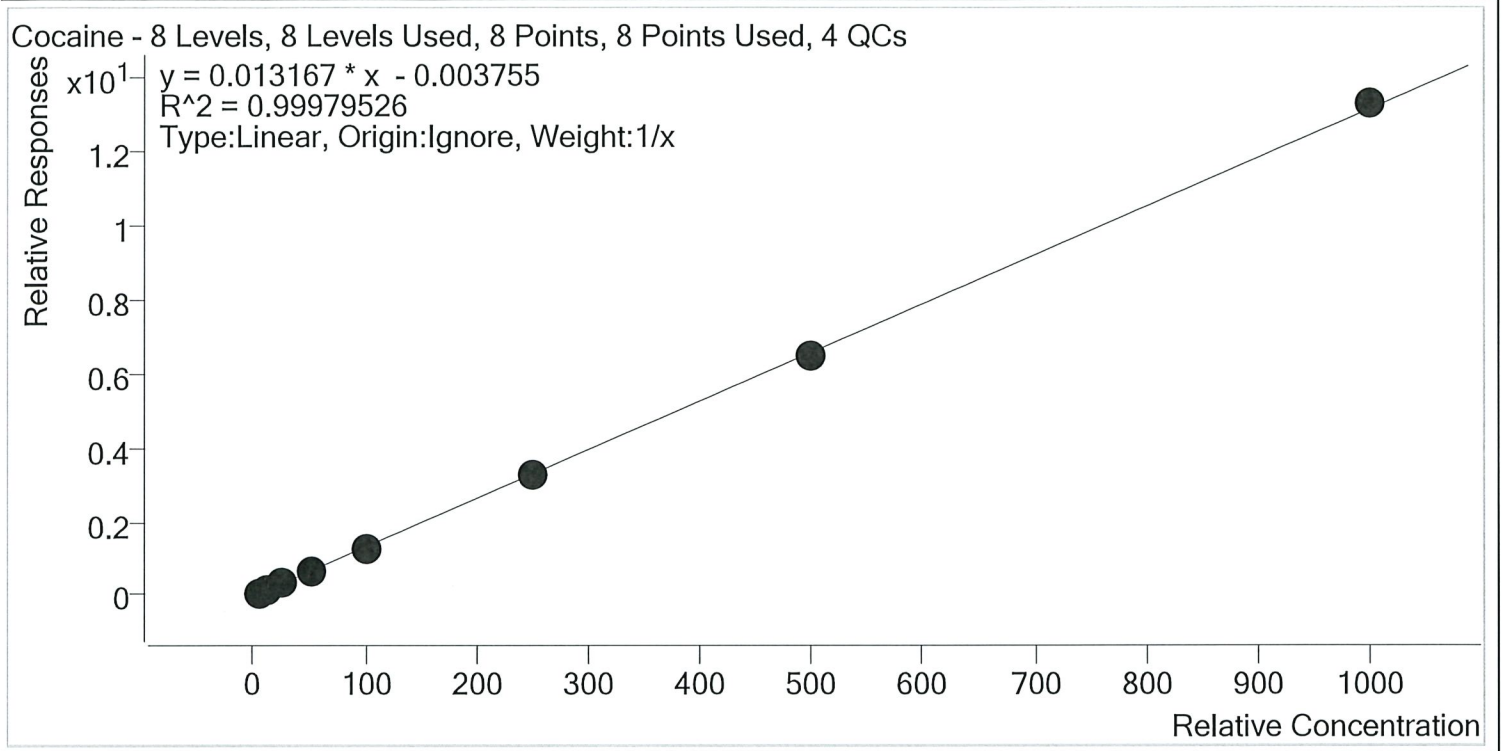
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Cocaine **Internal Standard** Cocaine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.0	101.1

TS



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

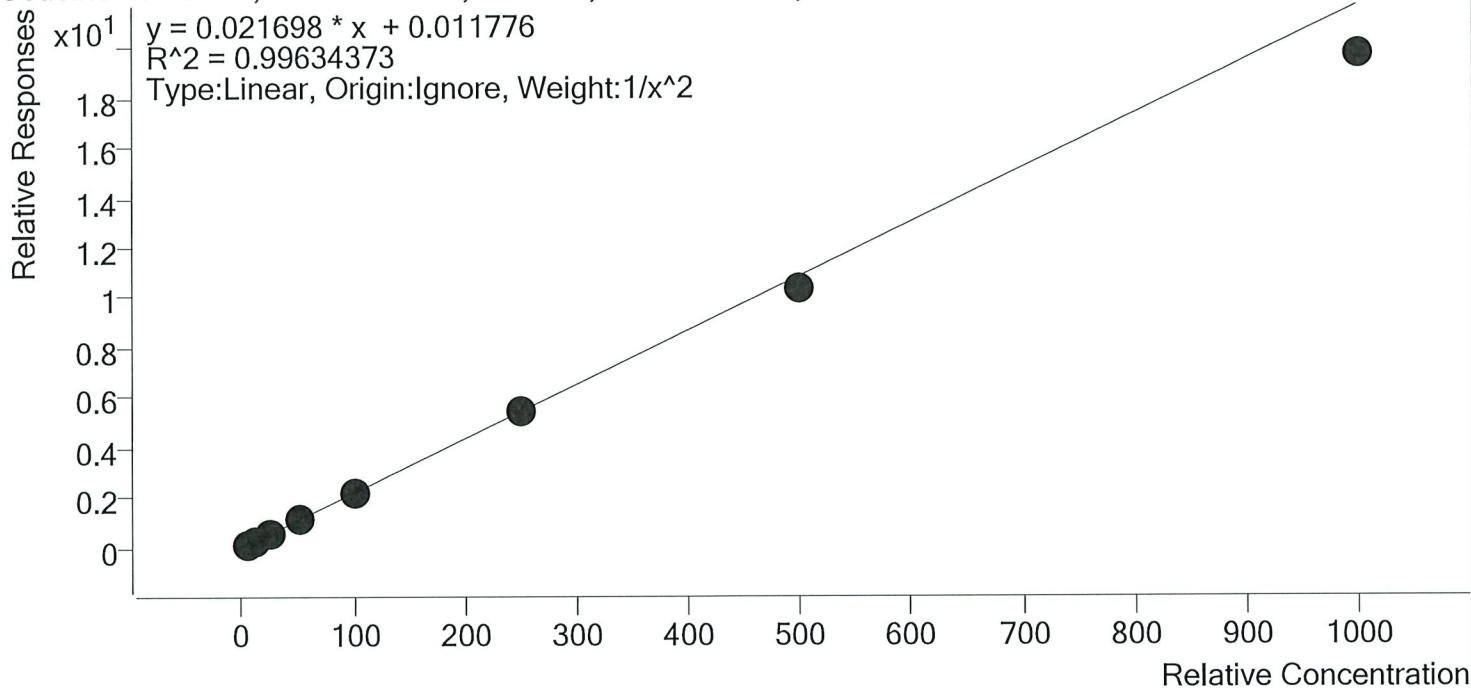
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Codeine **Internal Standard** Codeine-D6

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



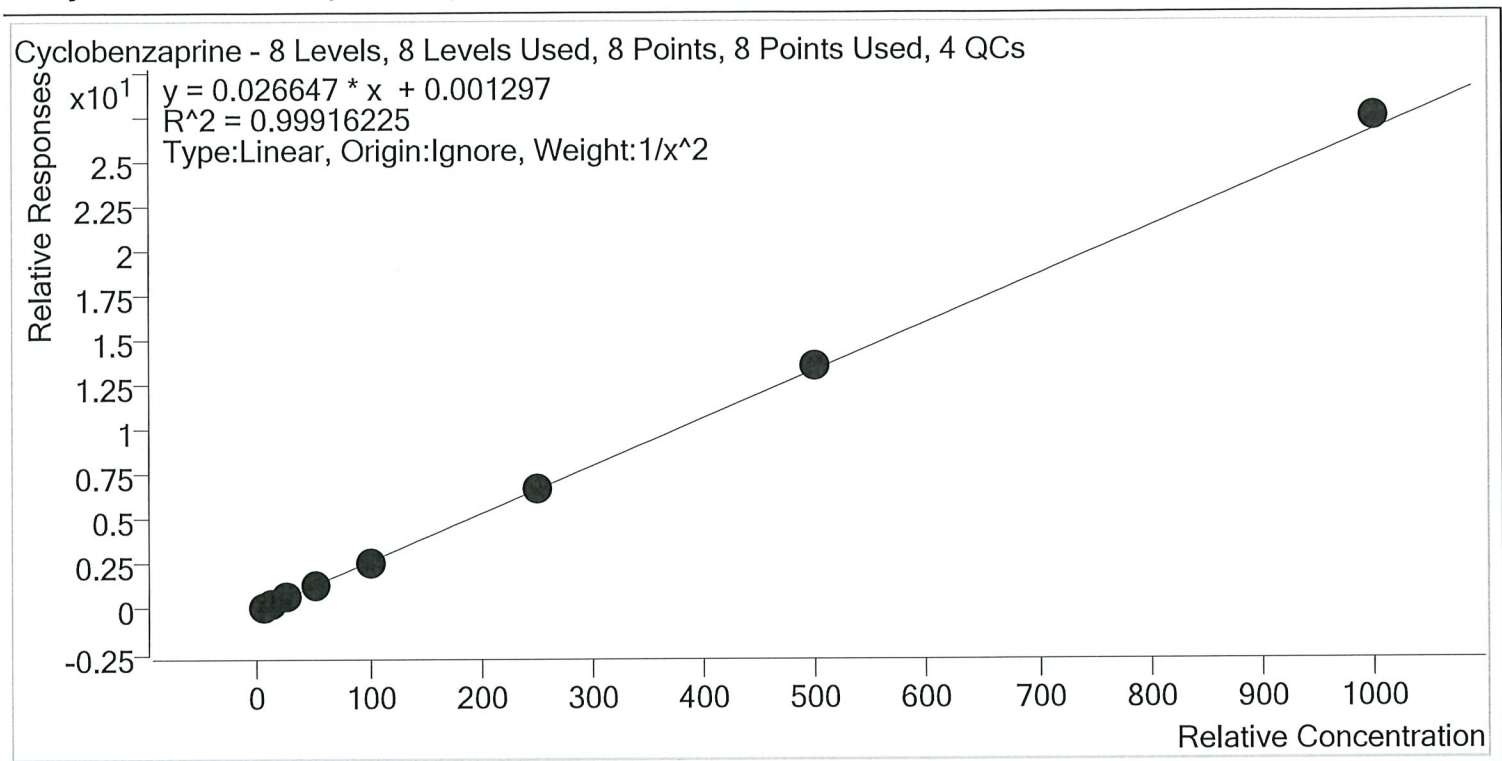
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	478.1	95.6
p1 Cal 8-1000ng	8	✓	1000.0	907.7	90.8





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



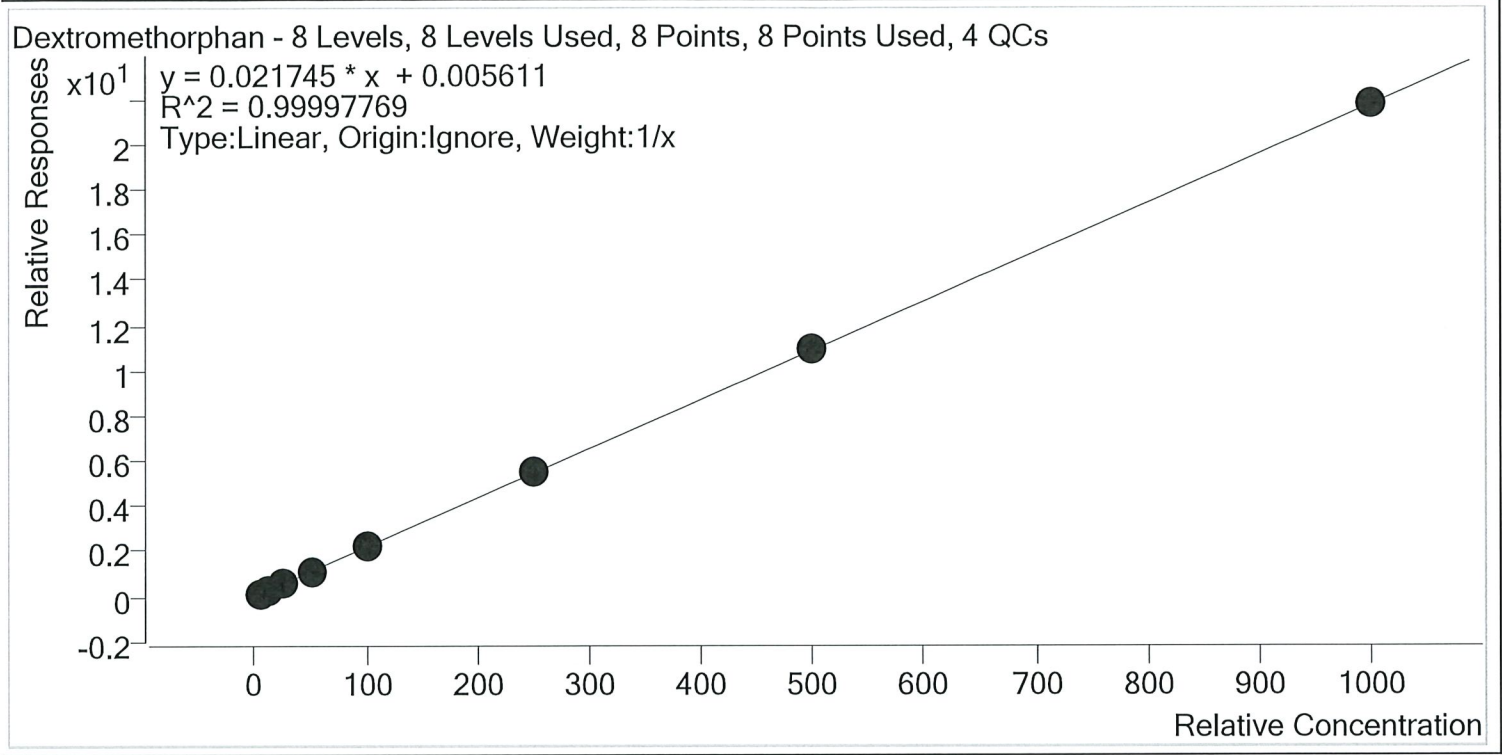
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1028.3	102.8

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



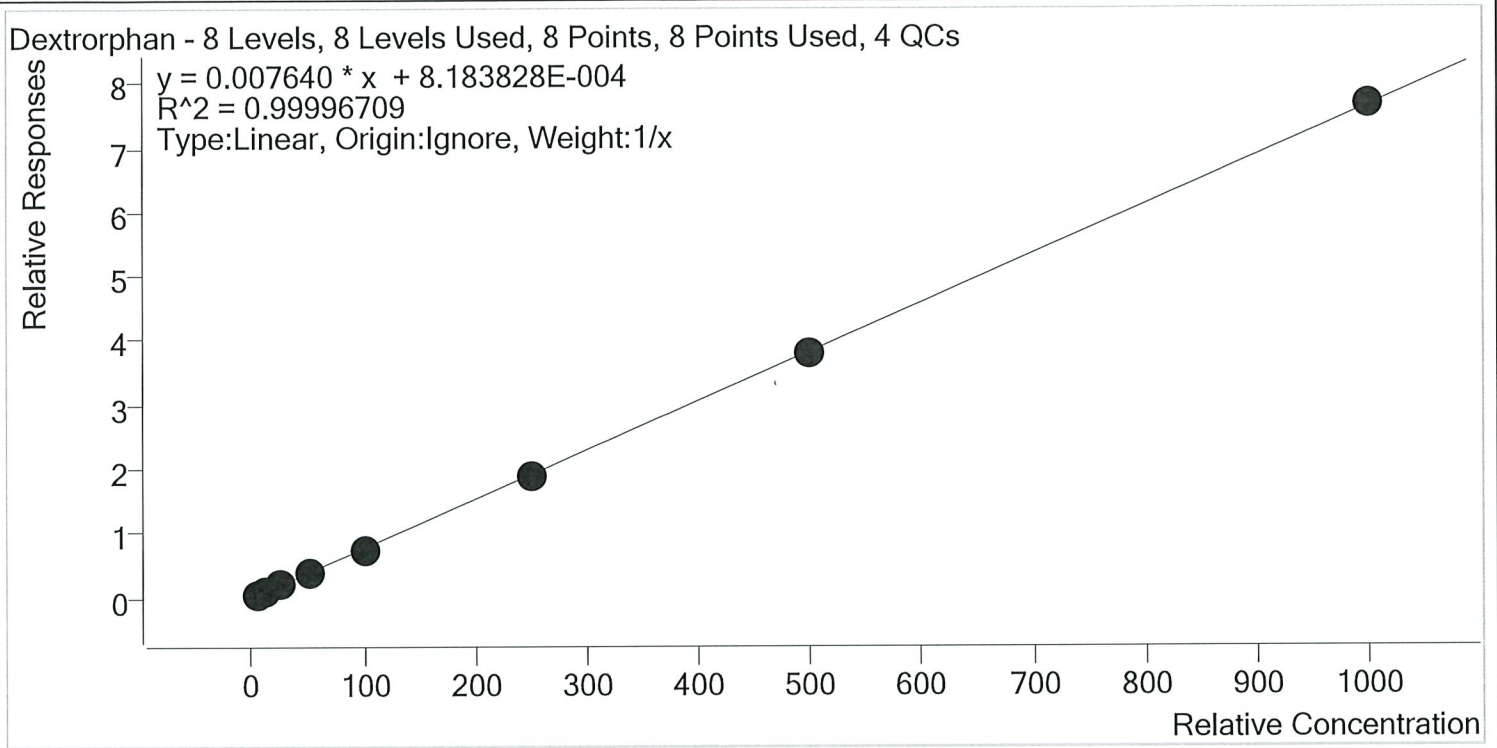
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1000.9	100.1

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3

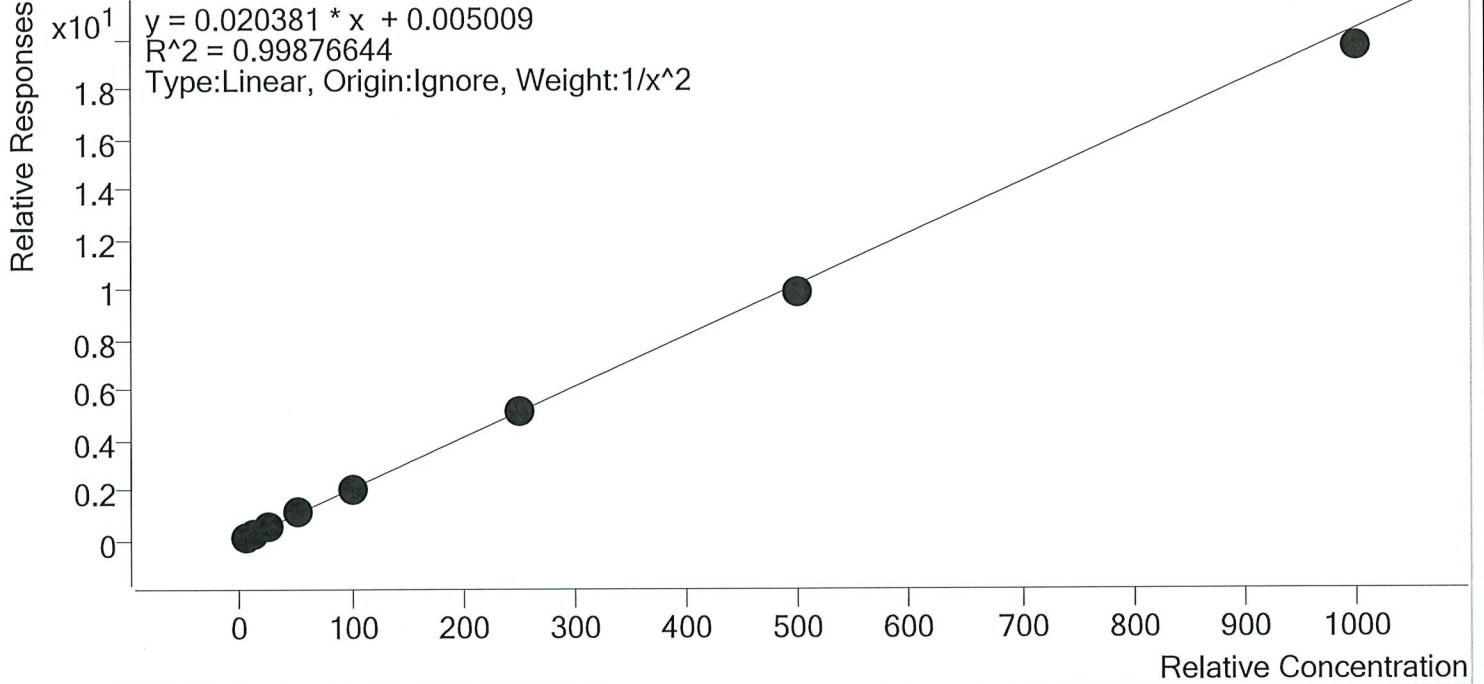
TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



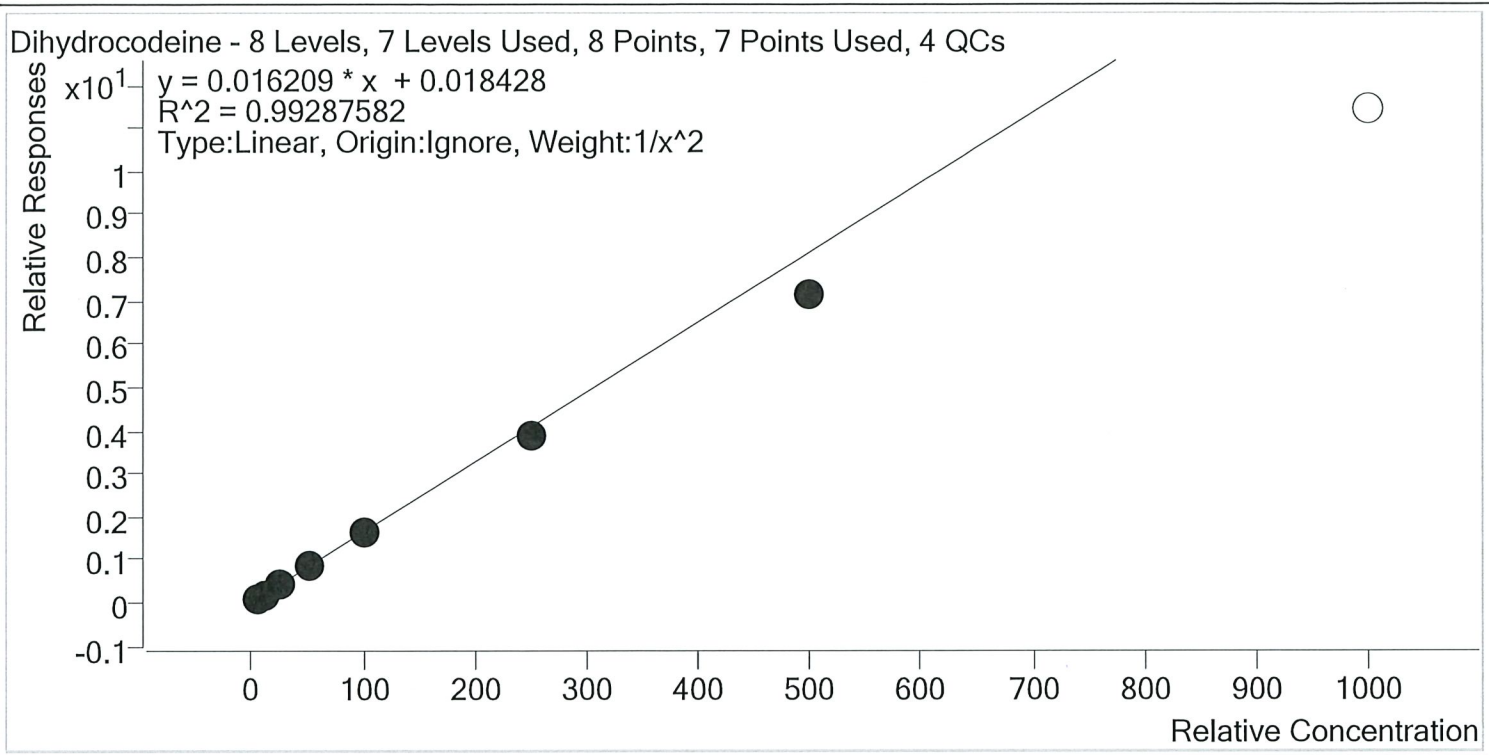
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	964.6	96.5





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

Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
 Last Cal. Update 1/30/2020 9:29 AM  
 Analyst Name ISP\Datastor  
 Analyte Dihydrocodeine Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	240.1	96.0
p1 Cal 7-500ng	7	✓	500.0	439.3	87.9
p1 Cal 8-1000ng	8	×	1000.0	704.6	70.5



TS

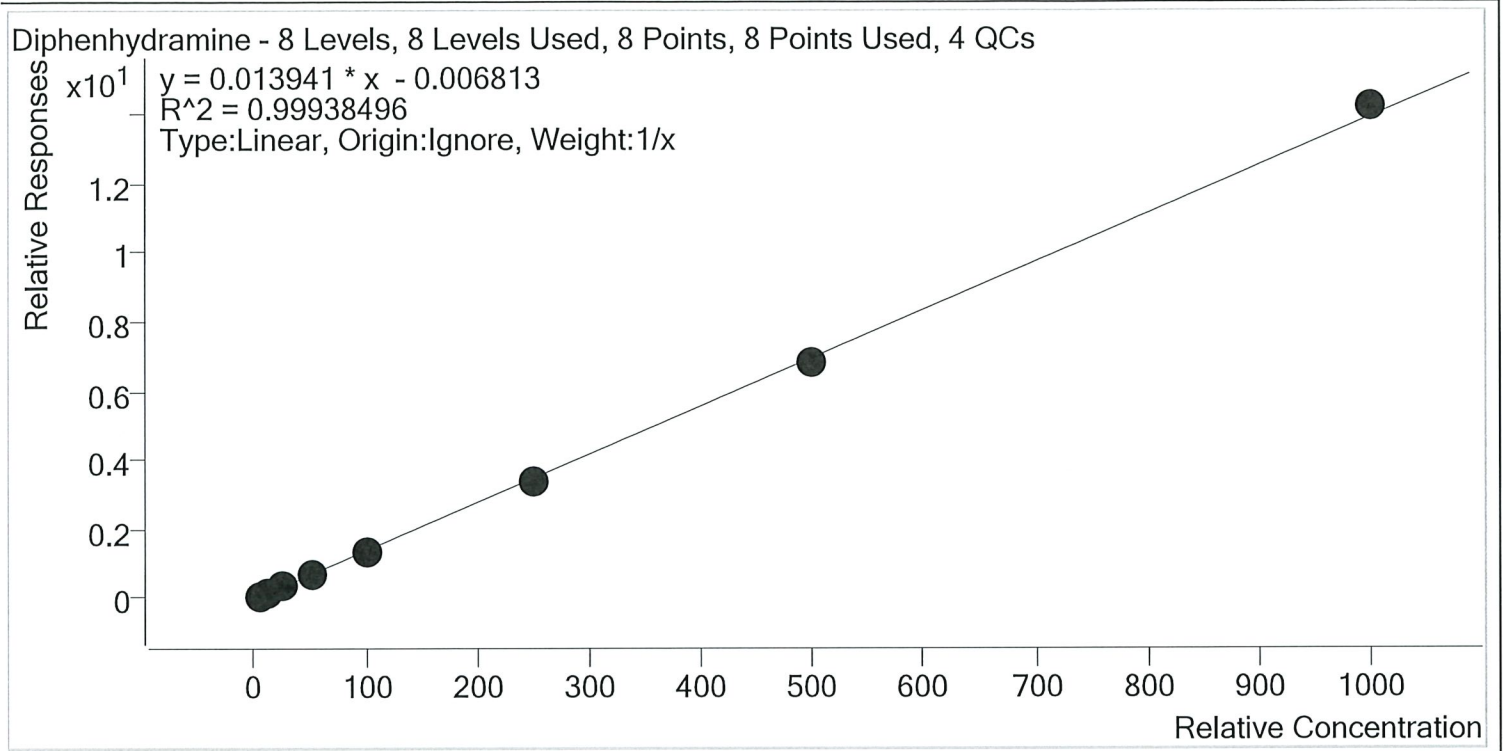
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
wklist 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



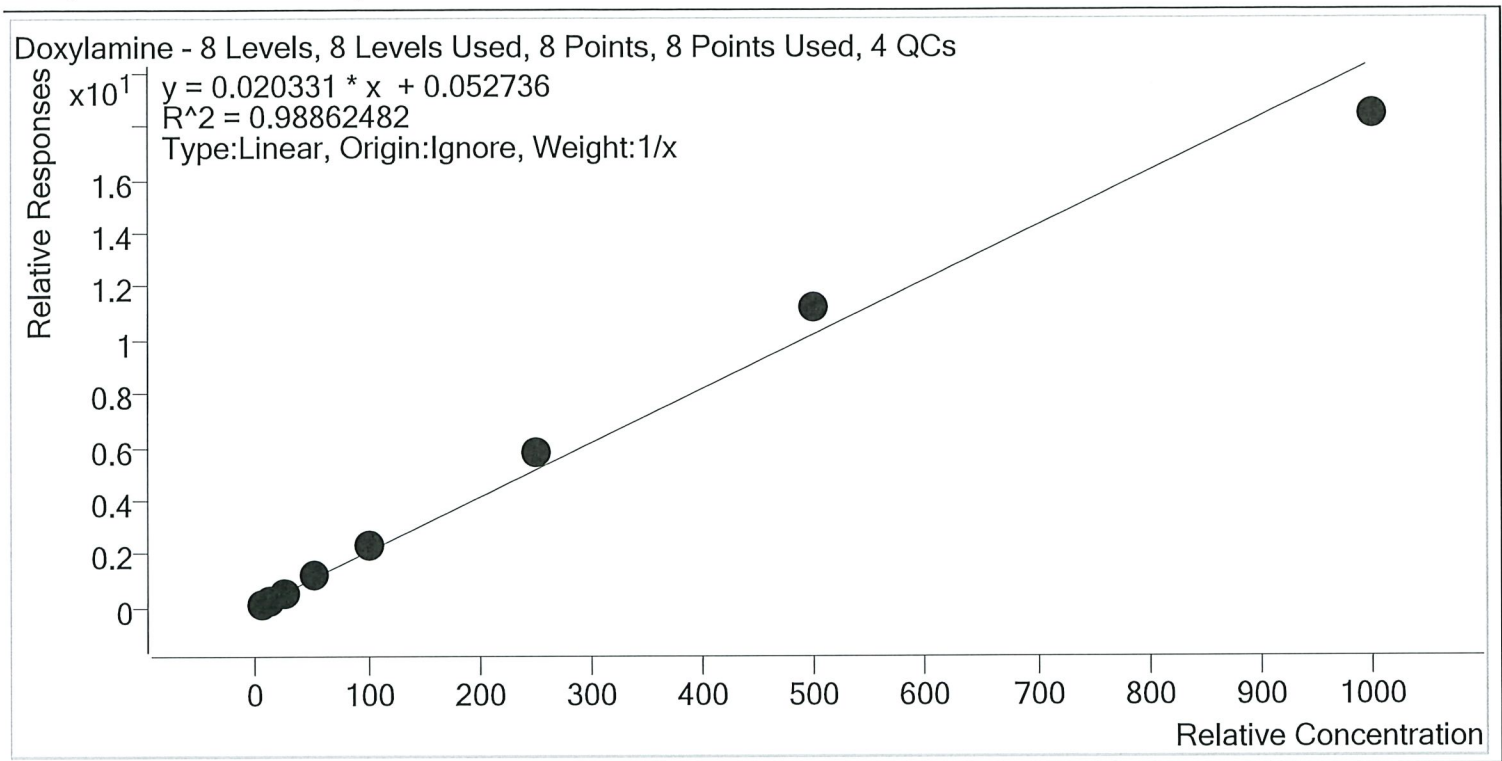
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	109.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	486.8	97.4
p1 Cal 8-1000ng	8	✓	1000.0	1021.2	102.1

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



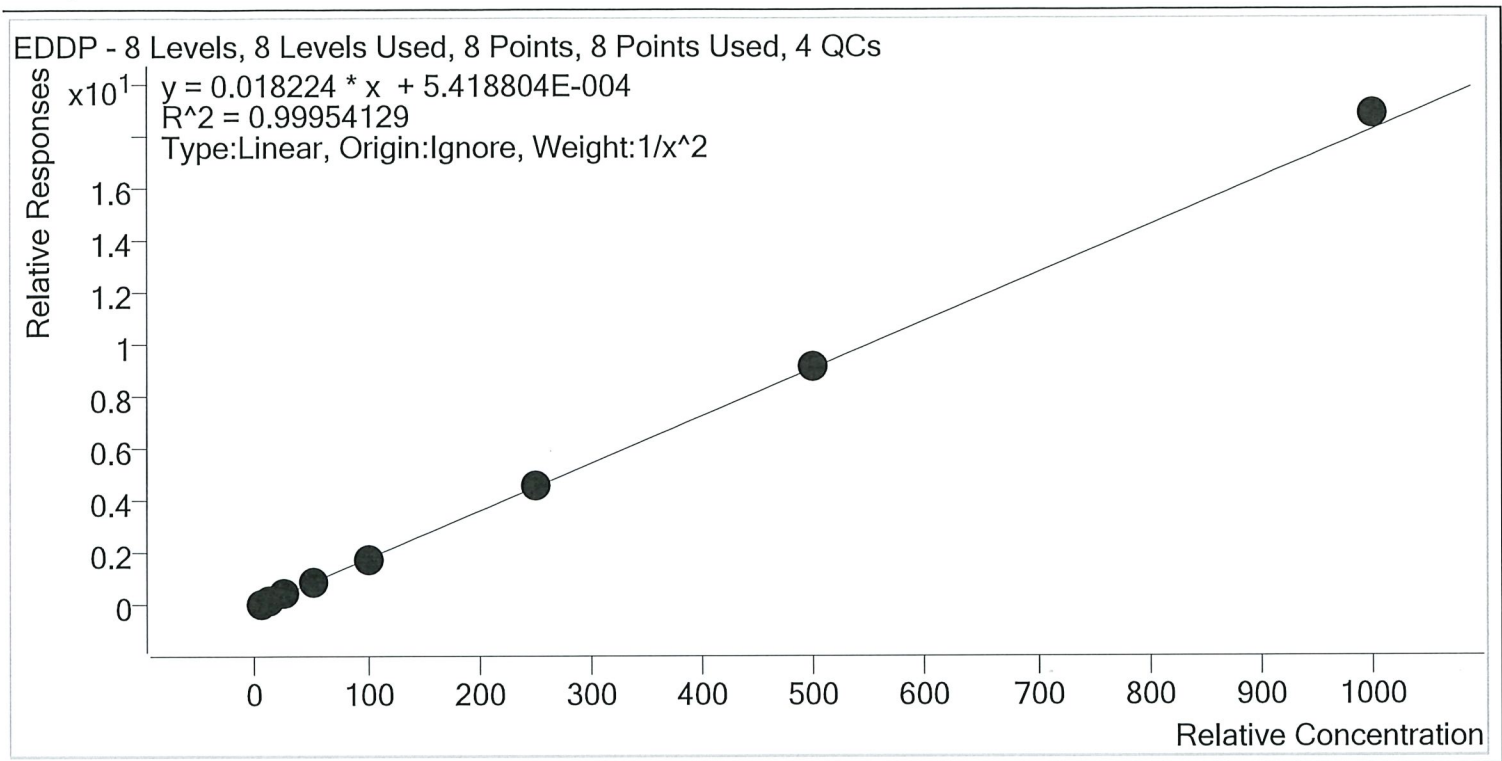
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.5	70.1
p1 Cal 2- 10ng	2	✓	10.0	9.1	91.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	111.0	111.0
p1 Cal 6-250ng	6	✓	250.0	281.7	112.7
p1 Cal 7-500ng	7	✓	500.0	549.2	109.8
p1 Cal 8-1000ng	8	✓	1000.0	904.2	90.4

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1033.0	103.3



TS



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

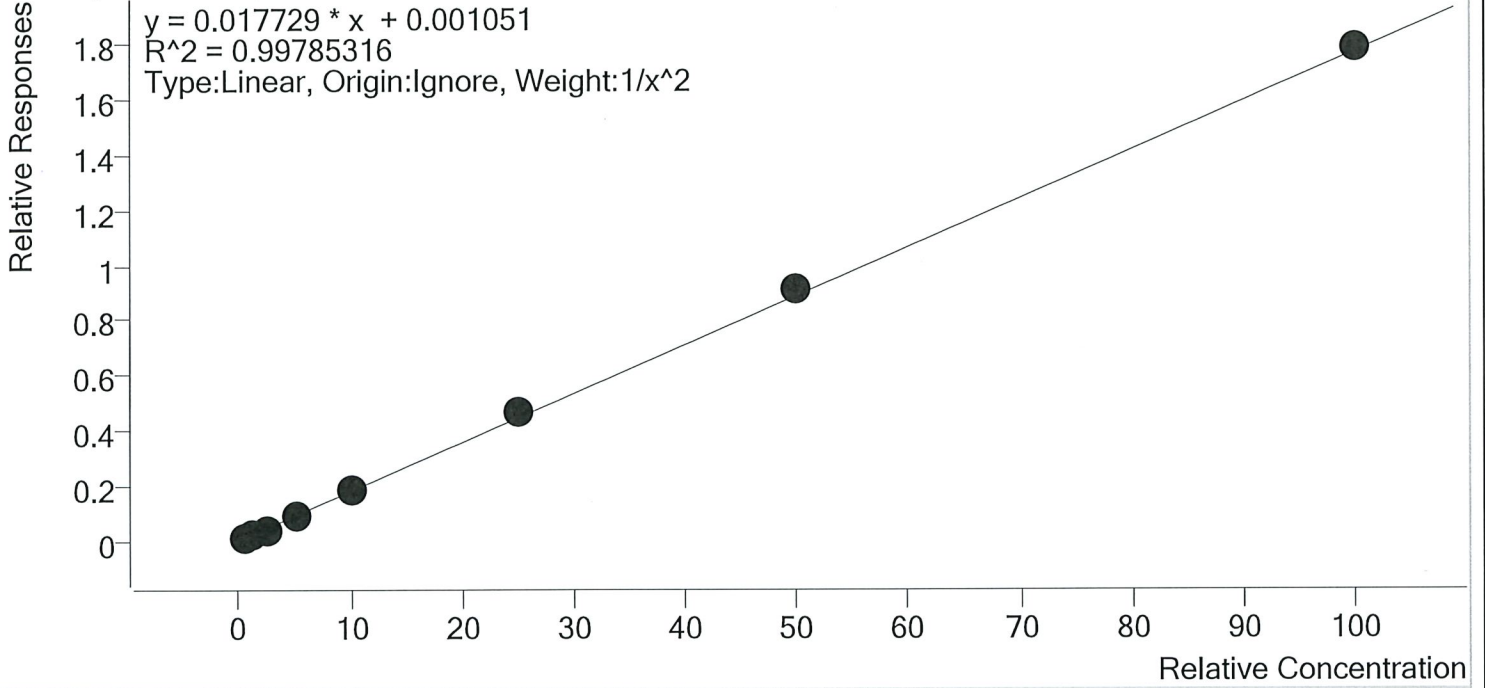
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



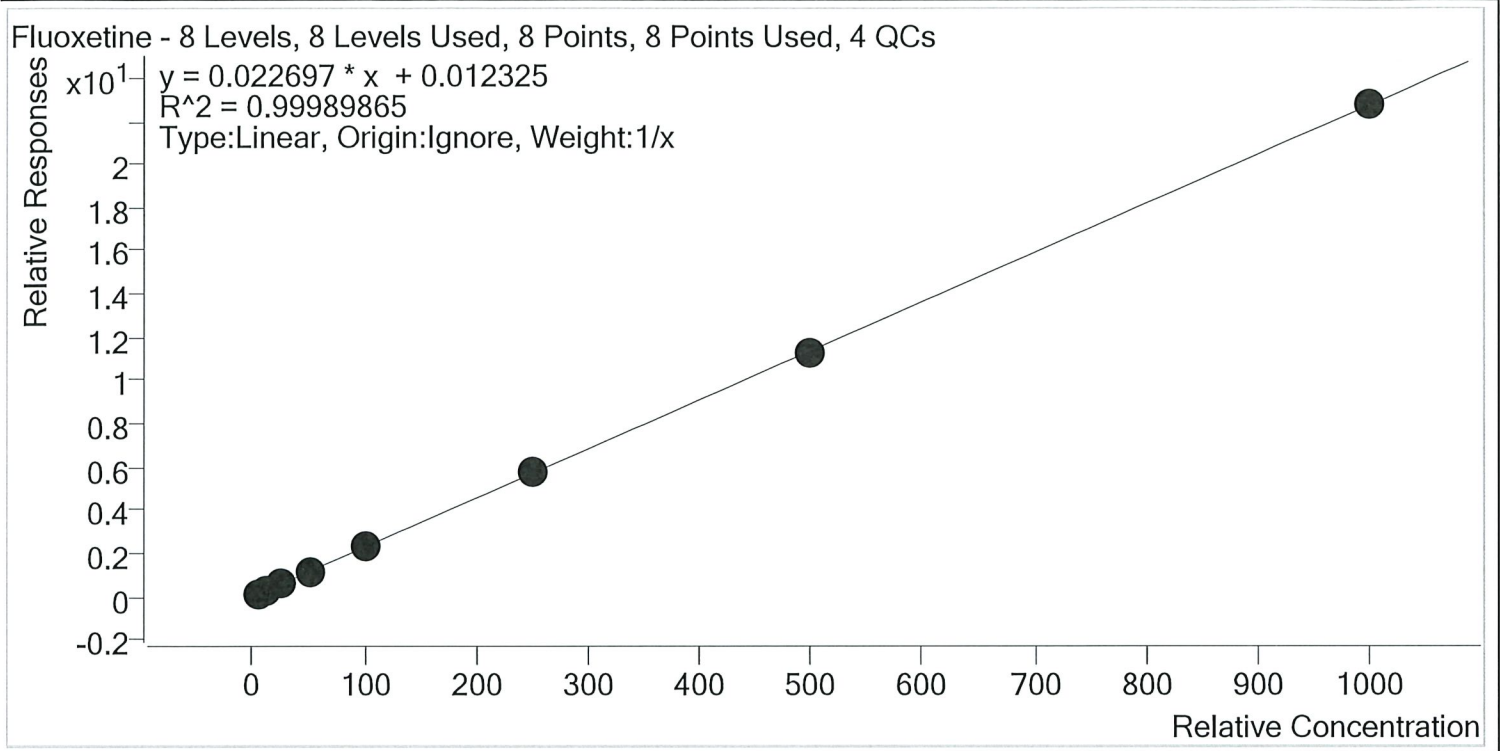
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.4
p1 Cal 4-50ng	4	✓	5.0	5.0	99.5
p1 Cal 5-100ng	5	✓	10.0	10.0	99.6
p1 Cal 6-250ng	6	✓	25.0	26.1	104.3
p1 Cal 7-500ng	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1001.6	100.2

TS



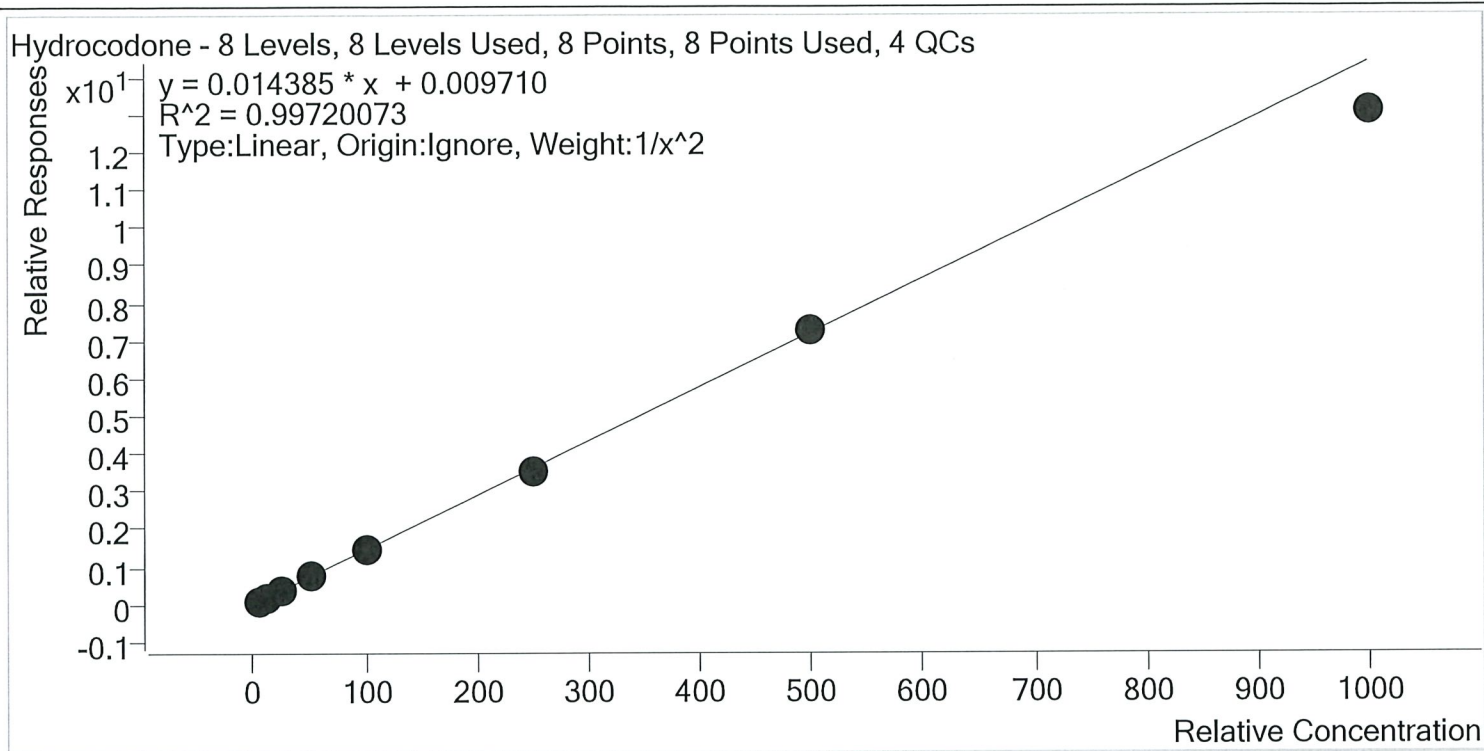
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



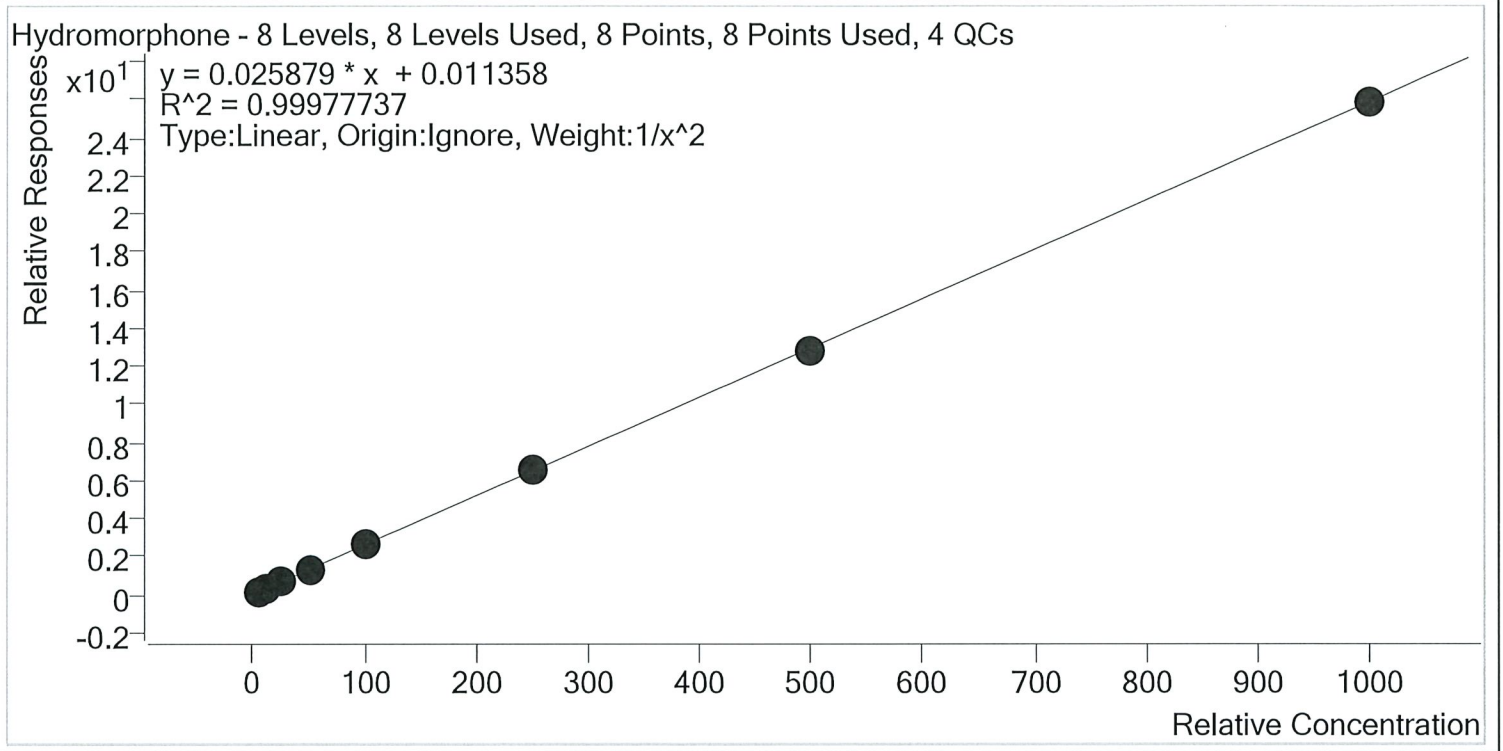
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	908.4	90.8

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	998.3	99.8

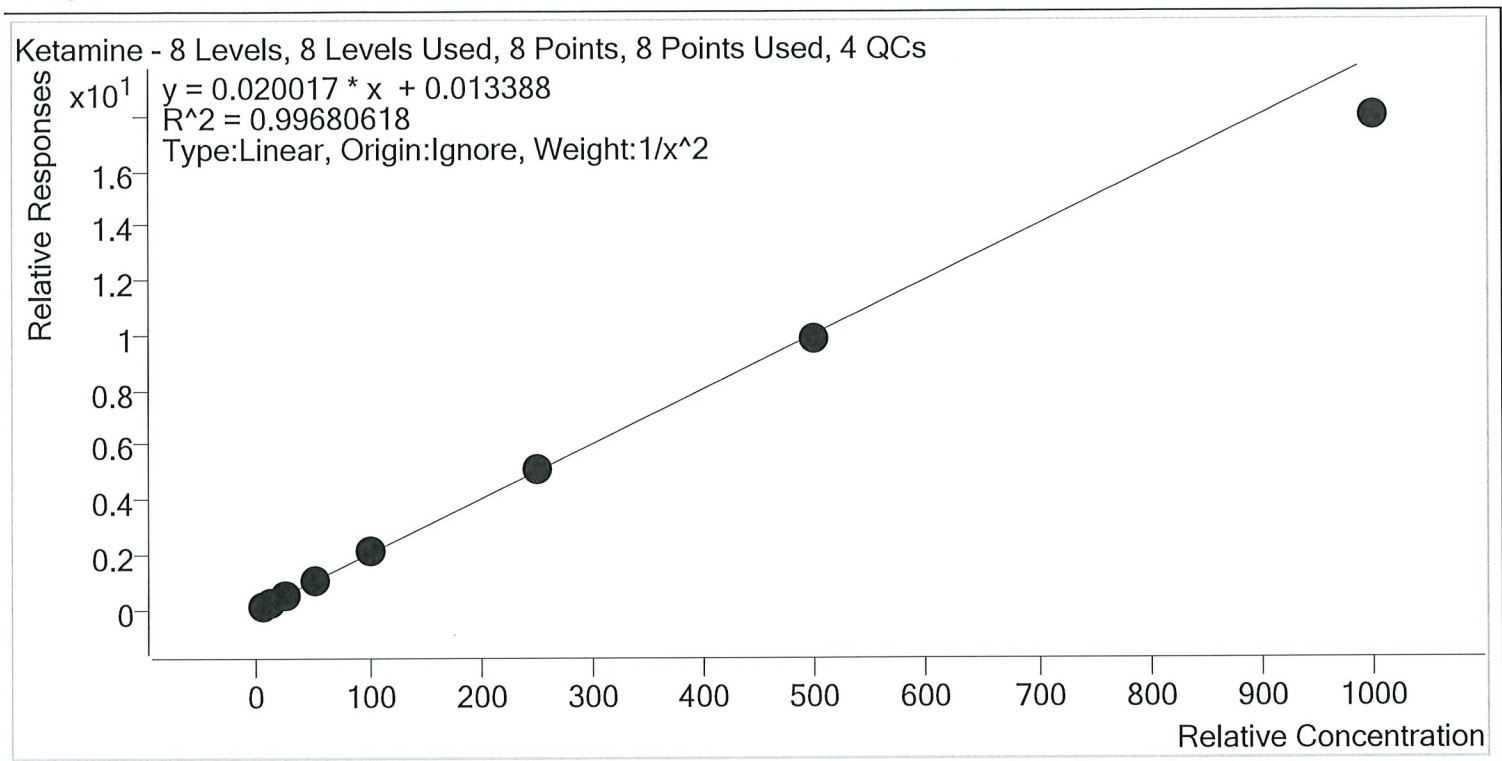


TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	896.8	89.7



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

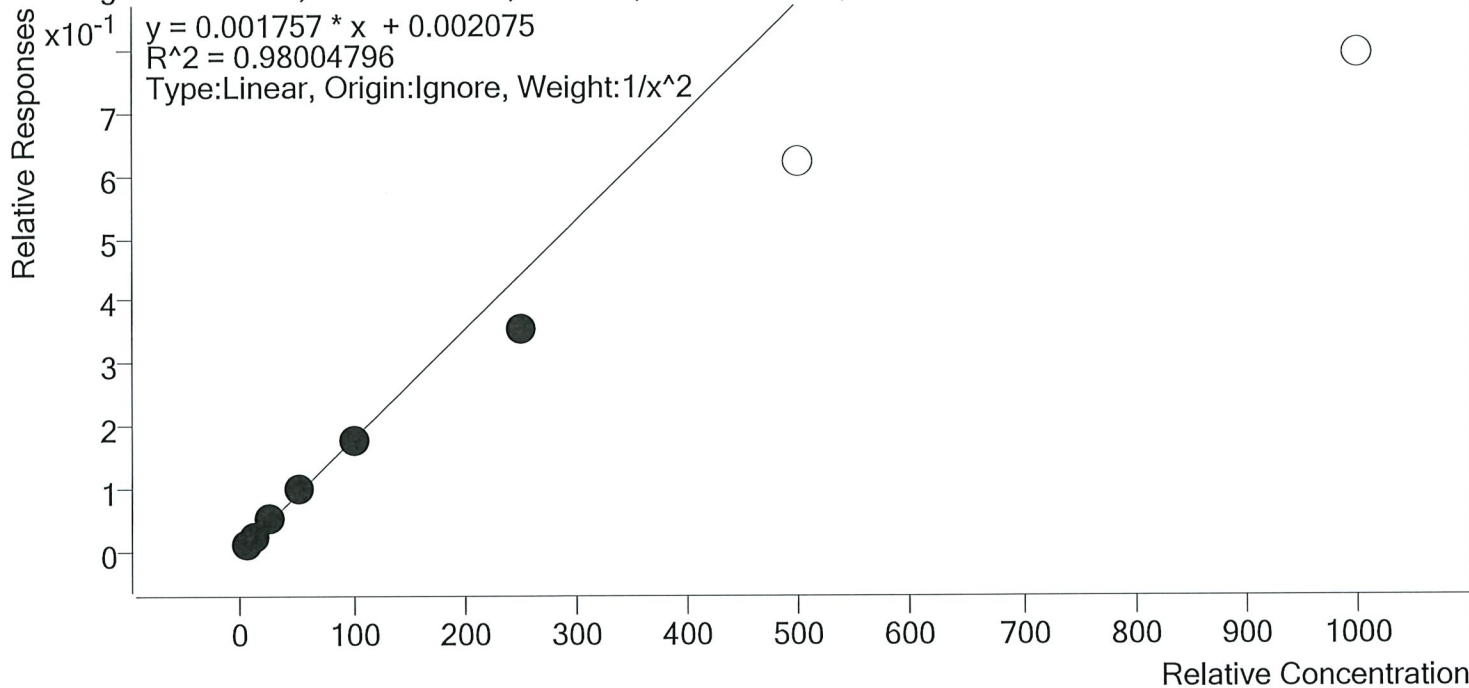
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 wklst 3969 TS.batch.bin

Last Cal. Update 1/30/2020 9:29 AM

Analyst Name ISP\Datastor

Analyte Lamotrigine Internal Standard Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2- 10ng	2	✓	10.0	10.7	107.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	56.5	113.0
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	200.8	80.3
p1 Cal 7-500ng	7	×	500.0	353.7	70.7
p1 Cal 8-1000ng	8	×	1000.0	451.5	45.2



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

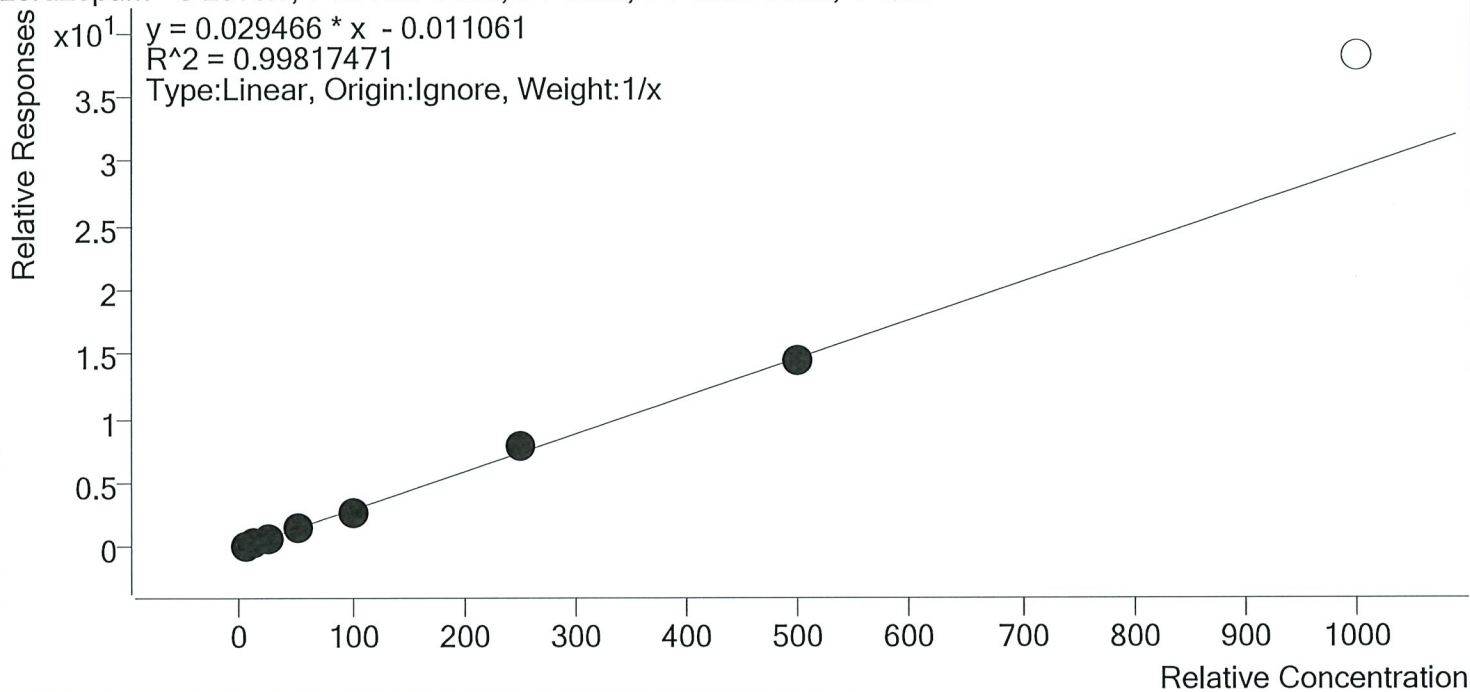
Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin

Last Cal. Update 1/30/2020 9:29 AM

Analyst Name ISP\Datastor

Analyte Lorazepam Internal Standard Clonazepam-D4

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



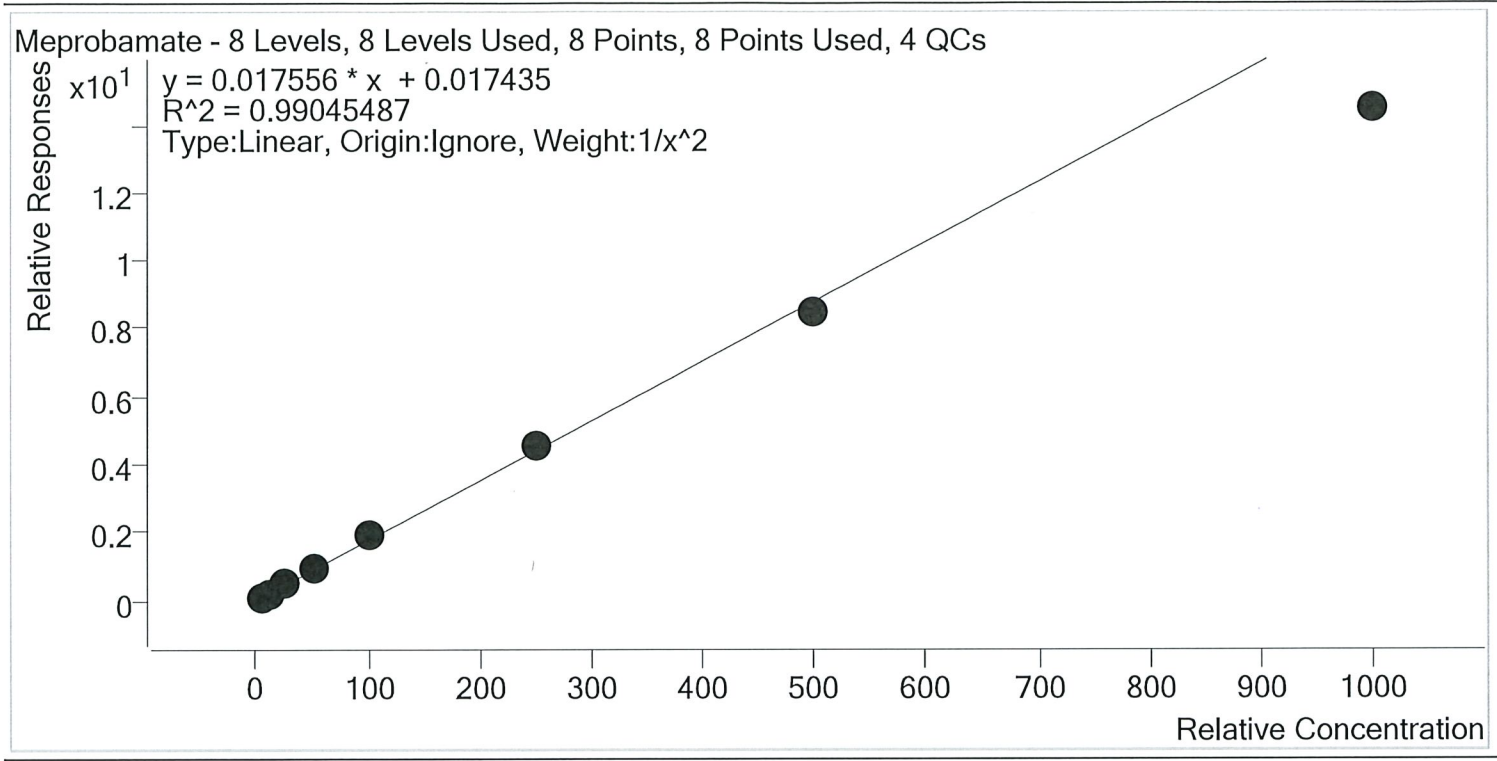
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	265.0	106.0
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	×	1000.0	1296.1	129.6

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	483.8	96.8
p1 Cal 8-1000ng	8	✓	1000.0	823.6	82.4





TS

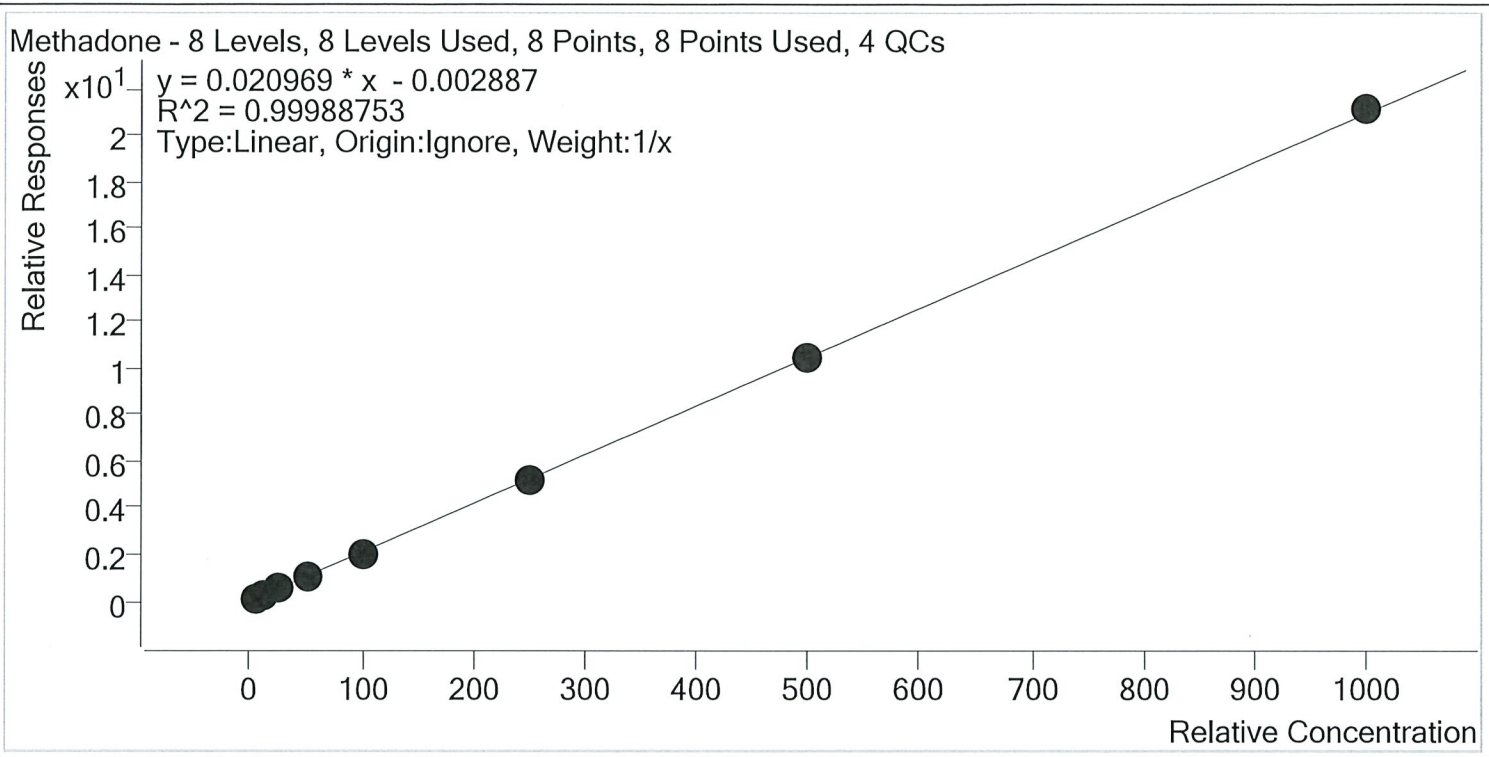
# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin

Last Cal. Update 1/30/2020 9:29 AM

Analyst Name ISP\Datastor

Analyte Methadone Internal Standard Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1008.7	100.9



TS

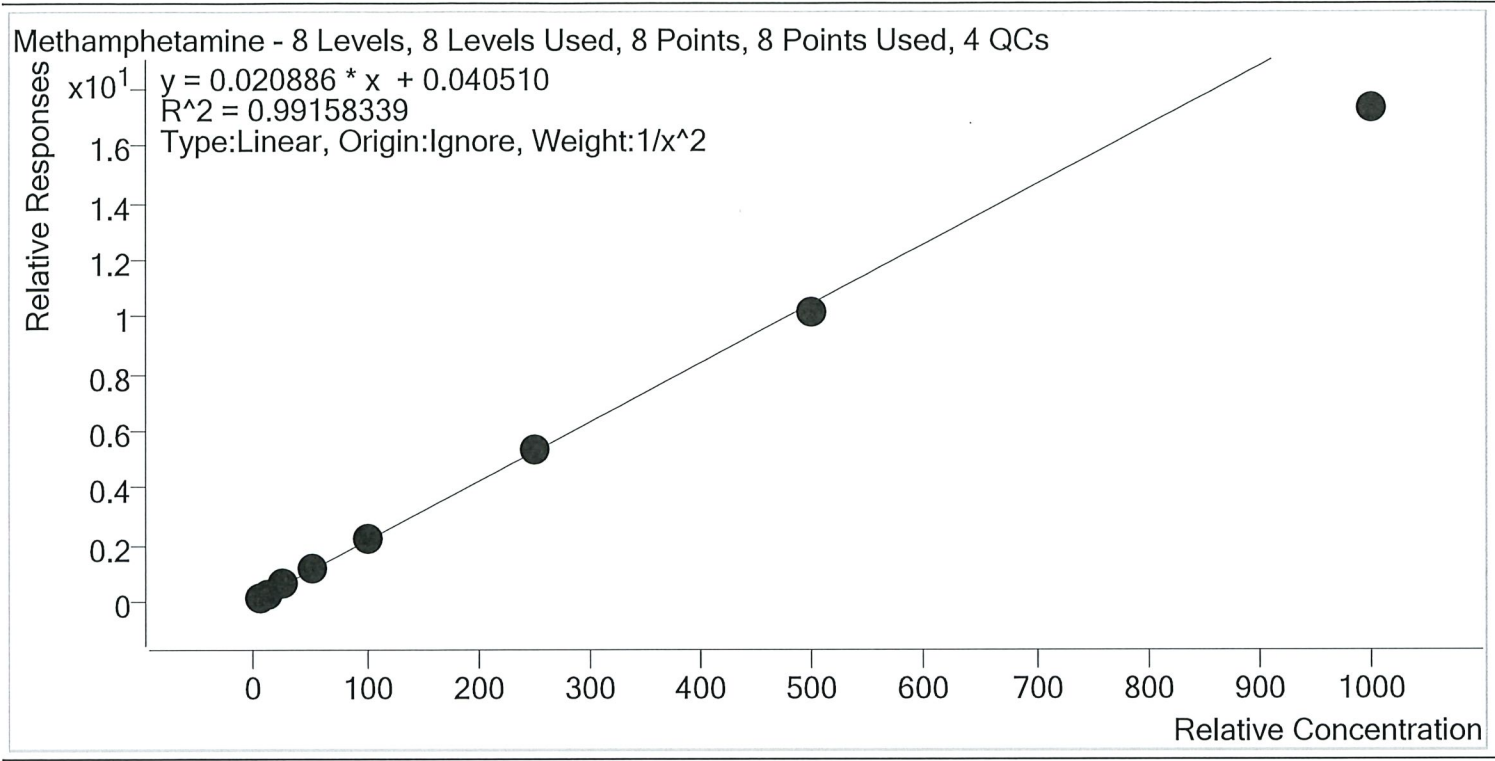
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

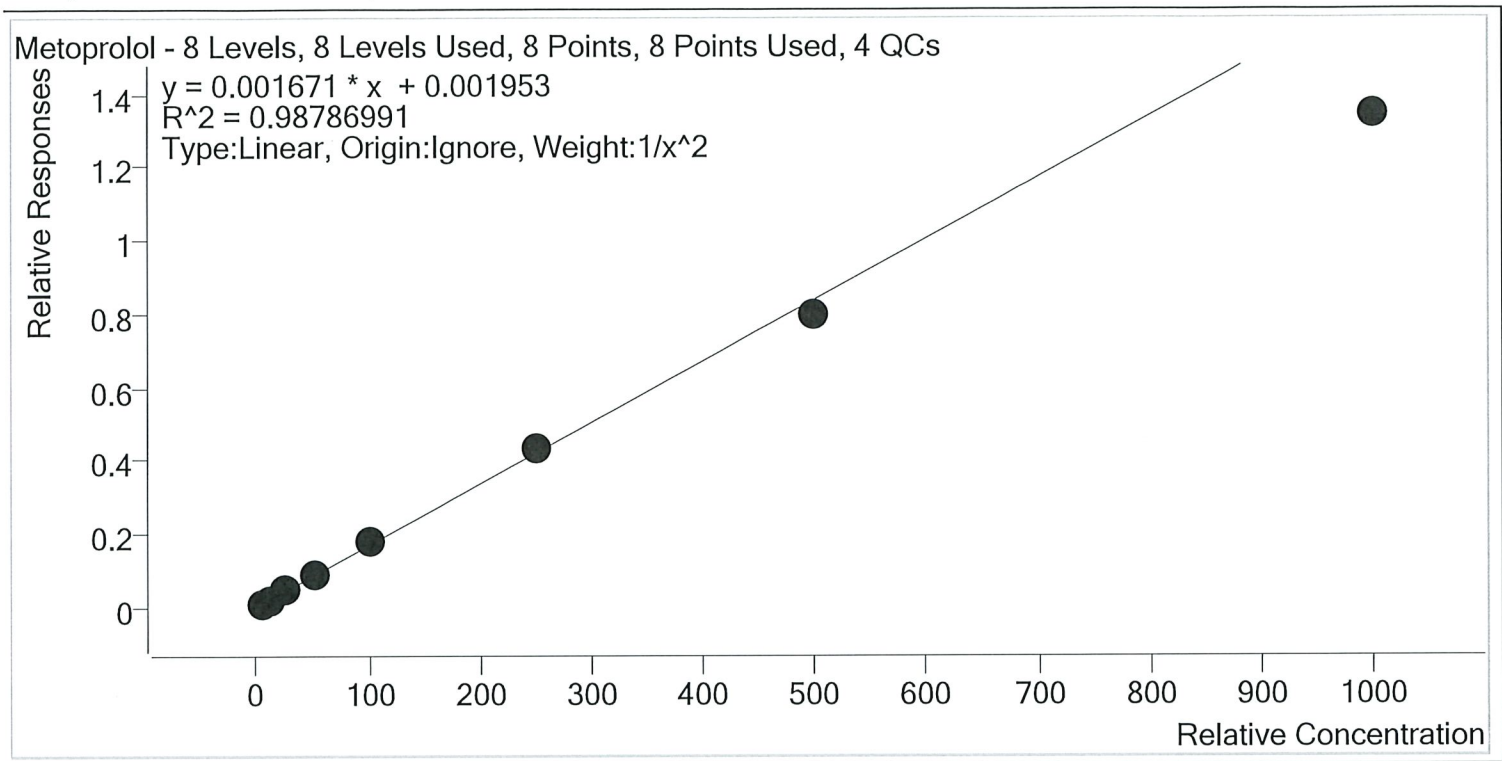


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	485.1	97.0
p1 Cal 8-1000ng	8	✓	1000.0	828.4	82.8



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



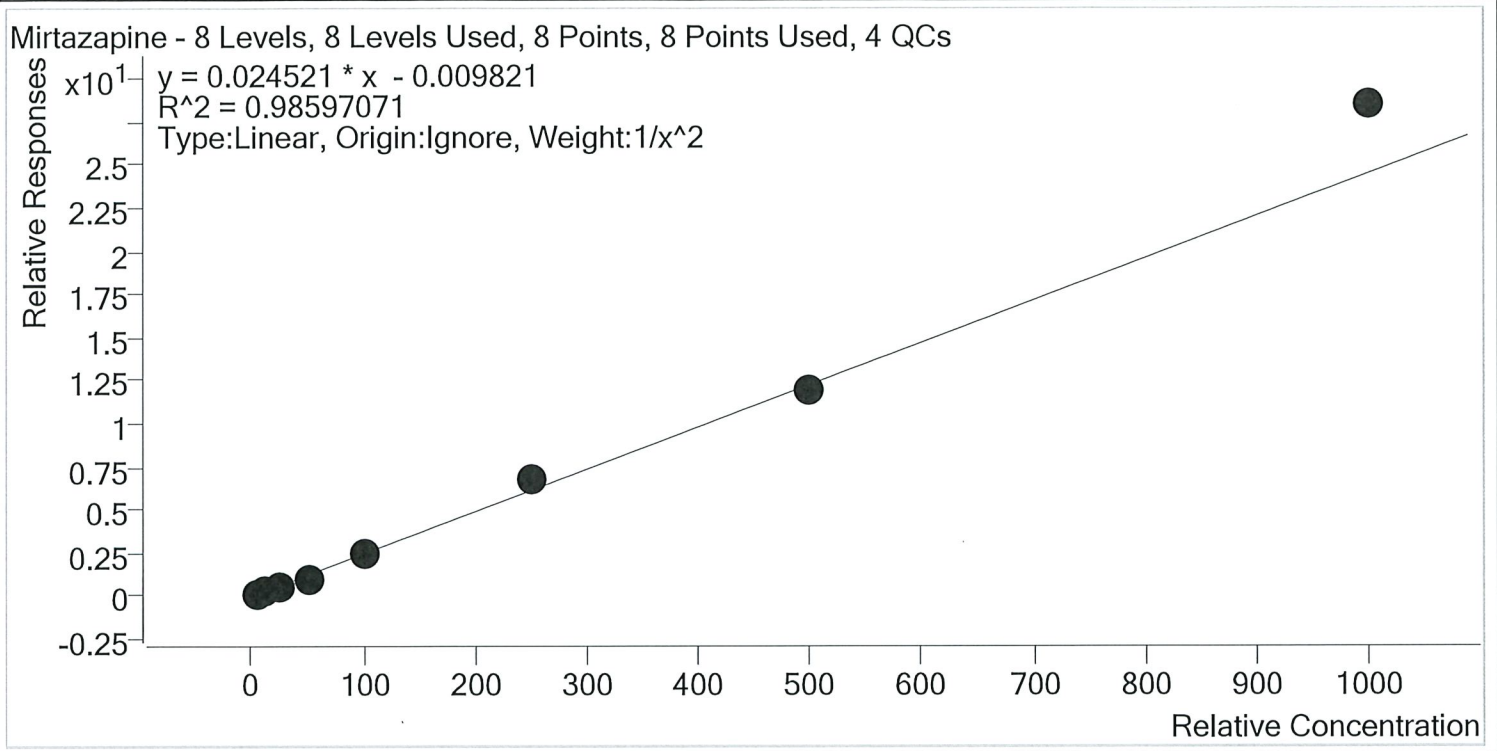
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	474.5	94.9
p1 Cal 8-1000ng	8	✓	1000.0	802.5	80.2

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	21.6	86.5
p1 Cal 4-50ng	4	✓	50.0	43.1	86.2
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	273.6	109.4
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	1163.4	116.3





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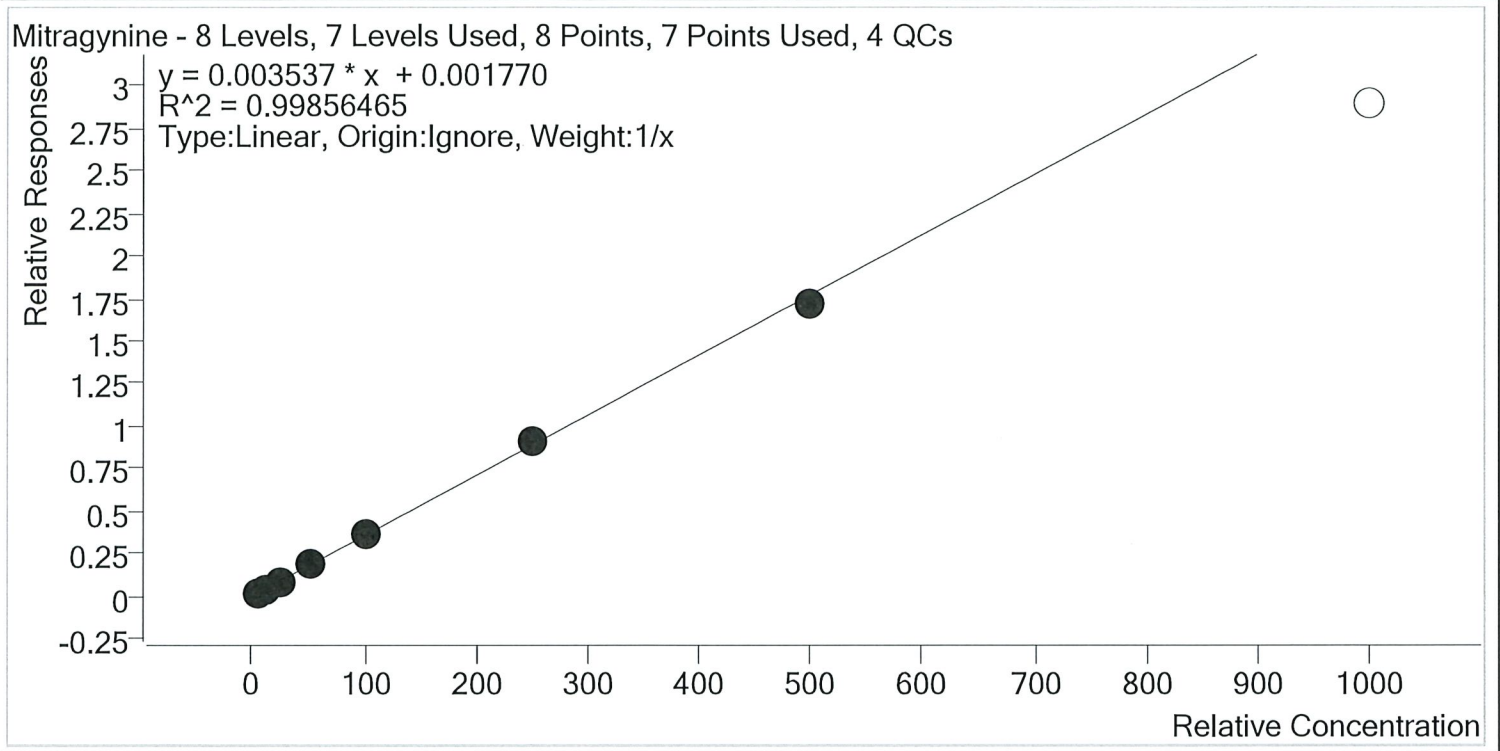
# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin

Last Cal. Update 1/30/2020 9:29 AM

Analyst Name ISP\Datastor

Analyte Mitragynine Internal Standard Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	484.8	97.0
p1 Cal 8-1000ng	8	×	1000.0	817.7	81.8

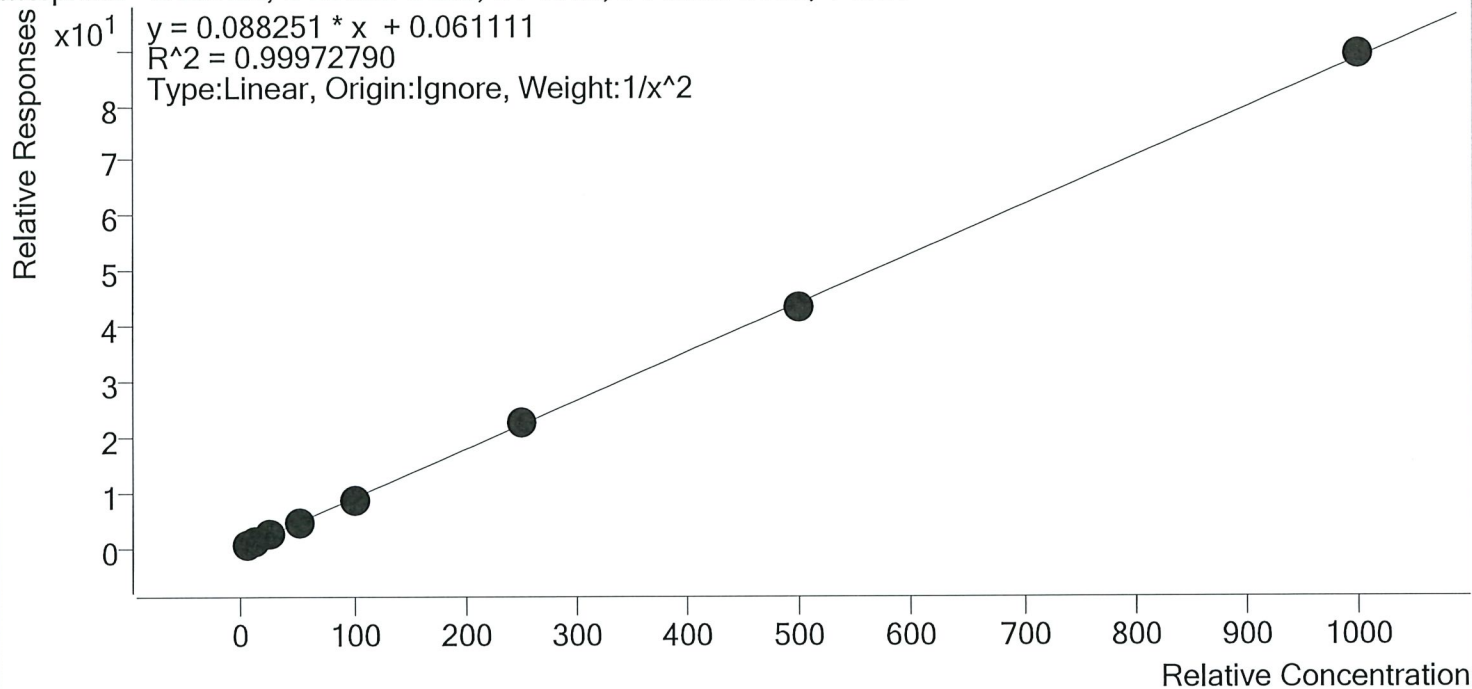
TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



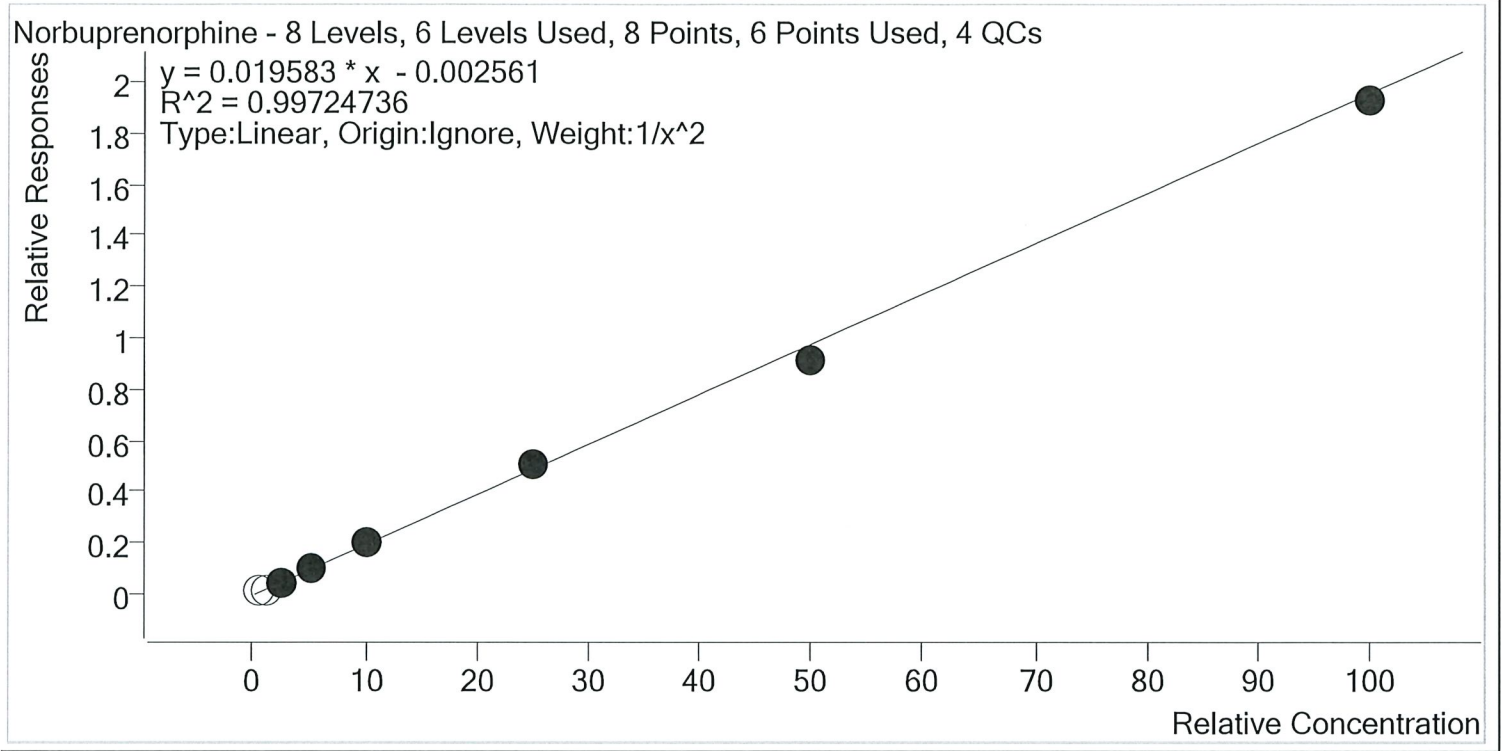
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.8	100.8

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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



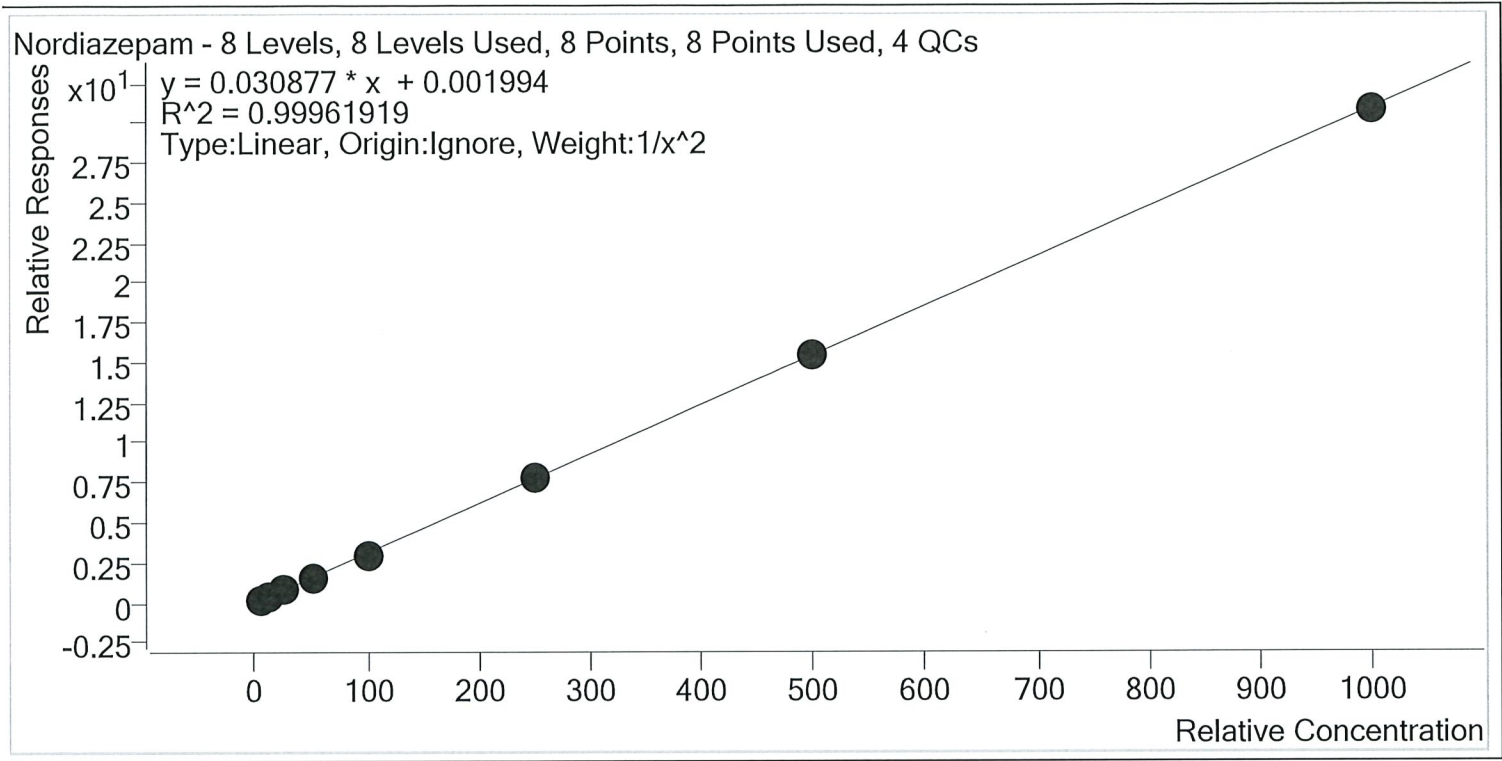
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	0.5	1.0	208.9
p1 Cal 2- 10ng	2	×	1.0	1.2	117.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.2
p1 Cal 4-50ng	4	✓	5.0	5.0	100.9
p1 Cal 5-100ng	5	✓	10.0	10.6	105.8
p1 Cal 6-250ng	6	✓	25.0	25.7	102.9
p1 Cal 7-500ng	7	✓	50.0	46.8	93.7
p1 Cal 8-1000ng	8	✓	100.0	98.5	98.5

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



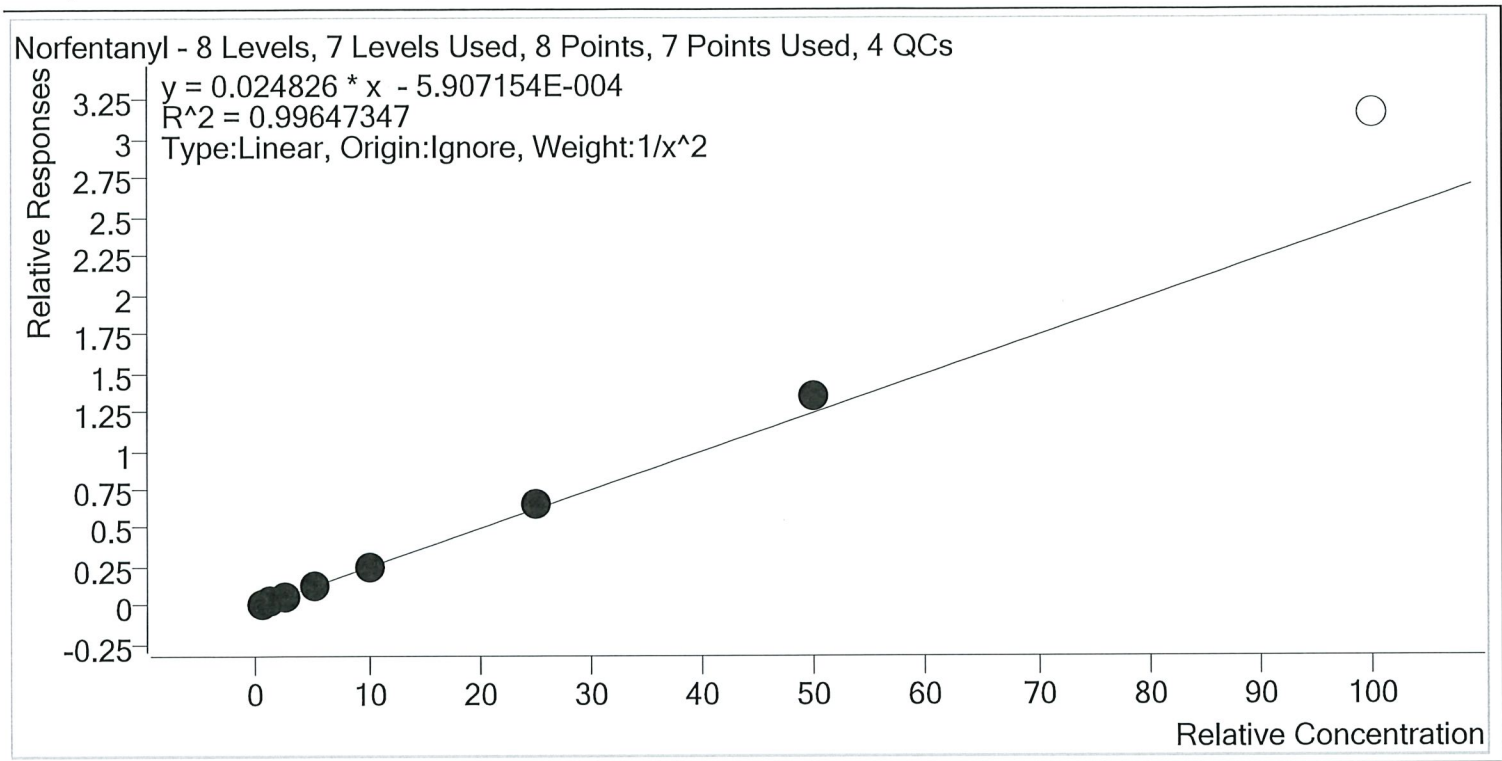
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	995.4	99.5





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklist 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

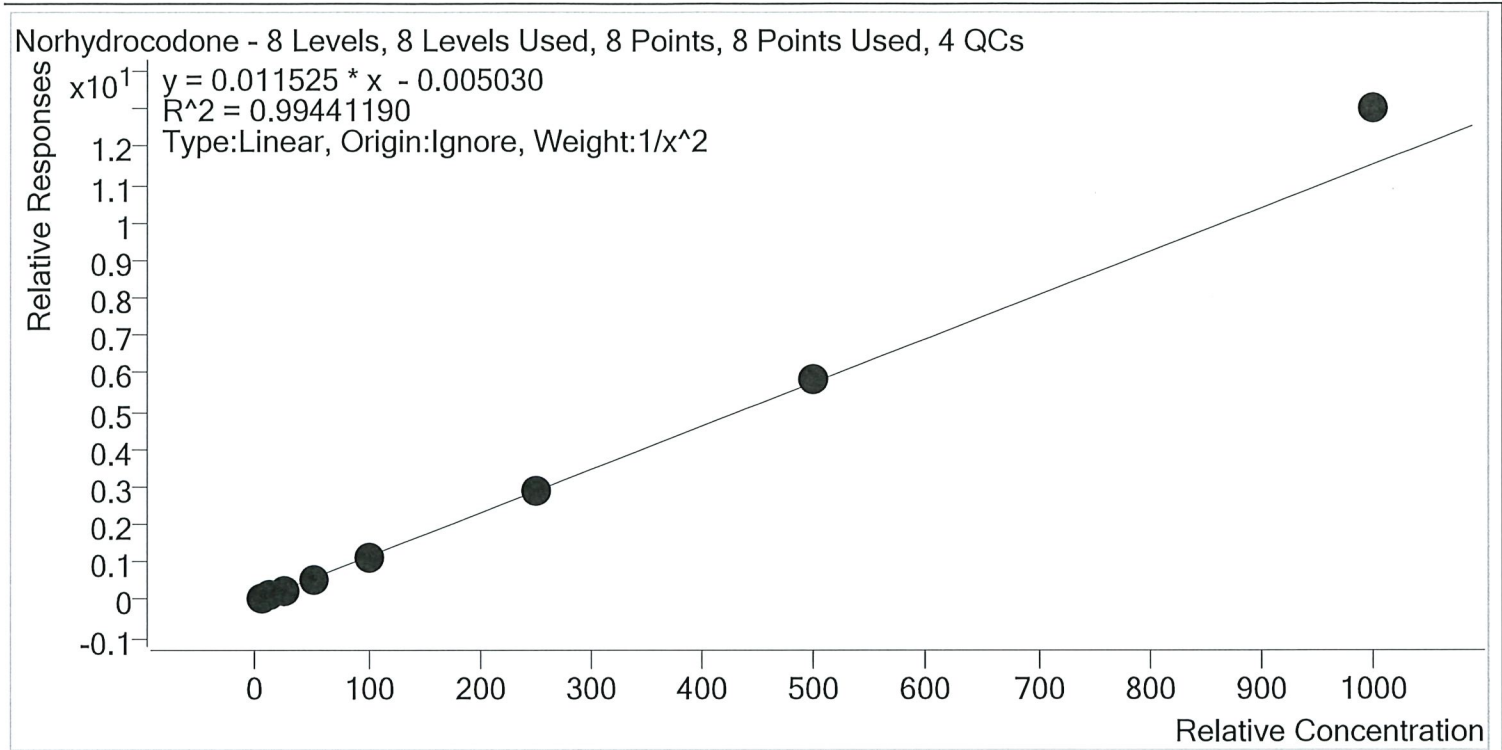


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	4.8	96.1
p1 Cal 5-100ng	5	✓	10.0	9.7	96.6
p1 Cal 6-250ng	6	✓	25.0	26.1	104.5
p1 Cal 7-500ng	7	✓	50.0	53.9	107.8
p1 Cal 8-1000ng	8	×	100.0	127.4	127.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1128.4	112.8

TS



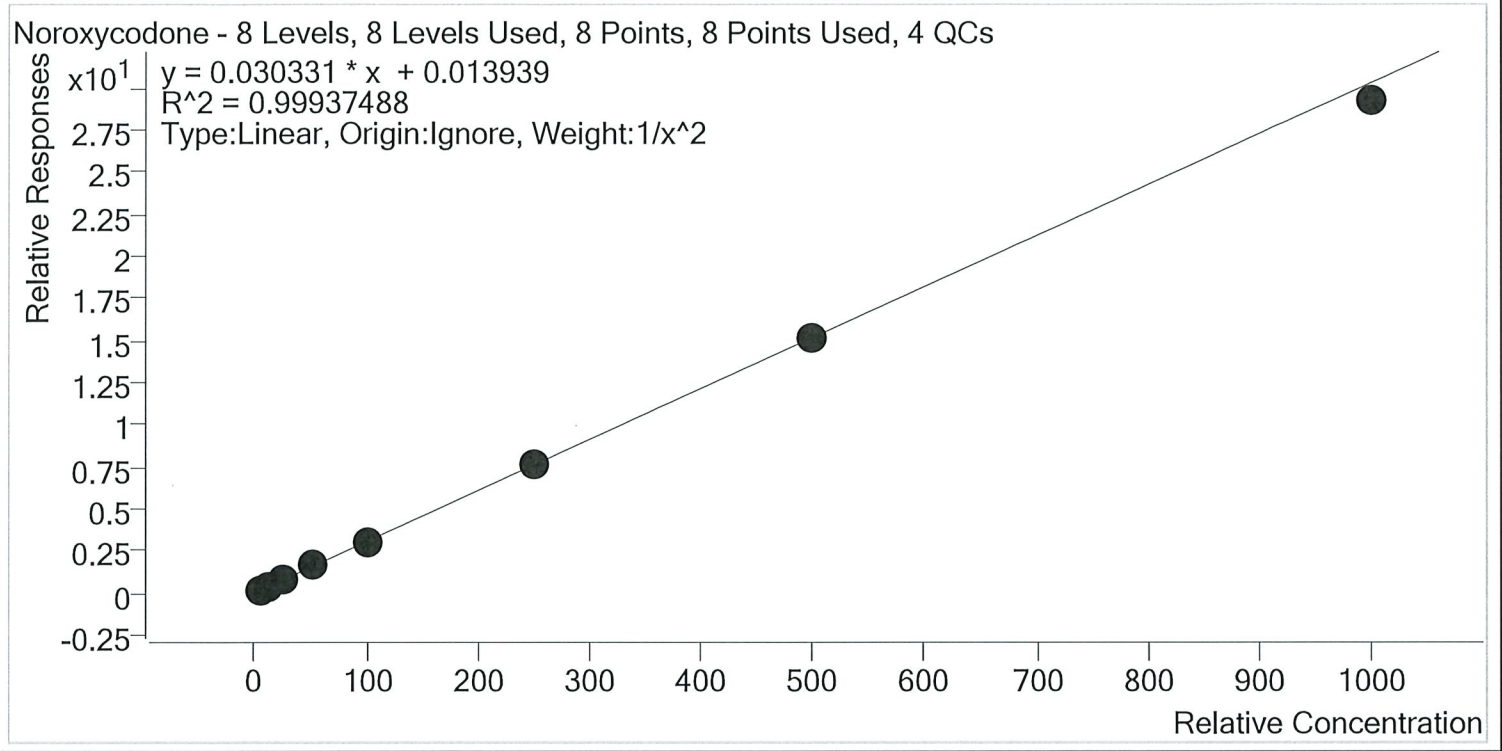
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	964.4	96.4

TS



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

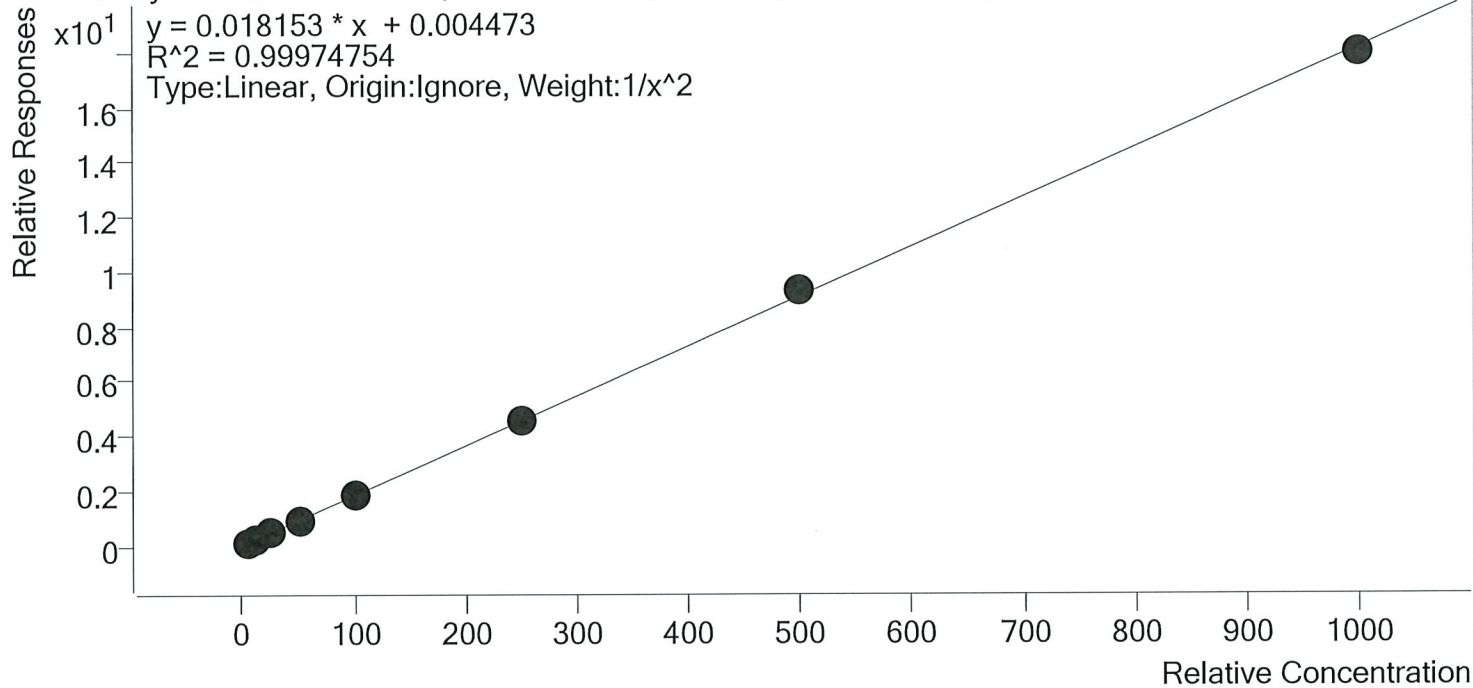
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wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	990.2	99.0

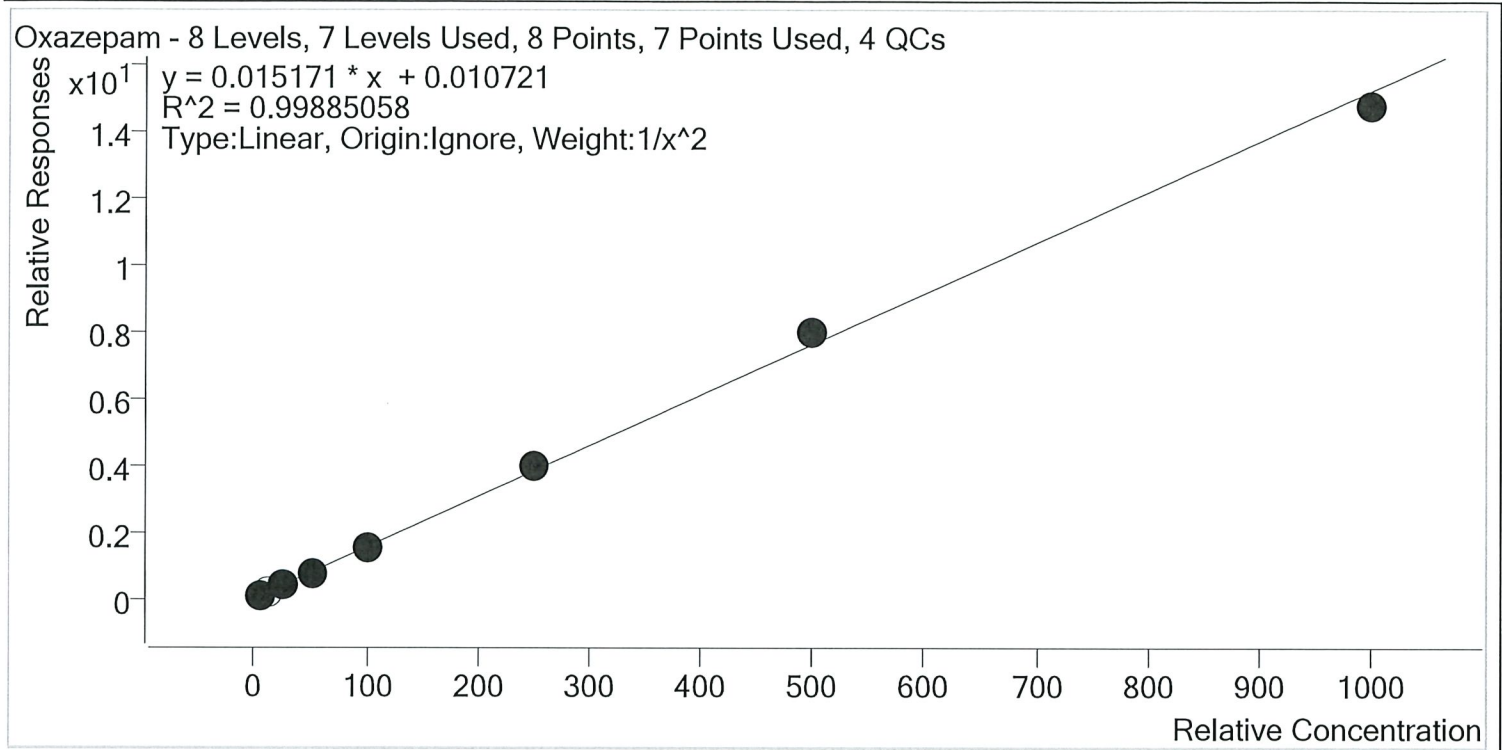


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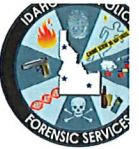
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



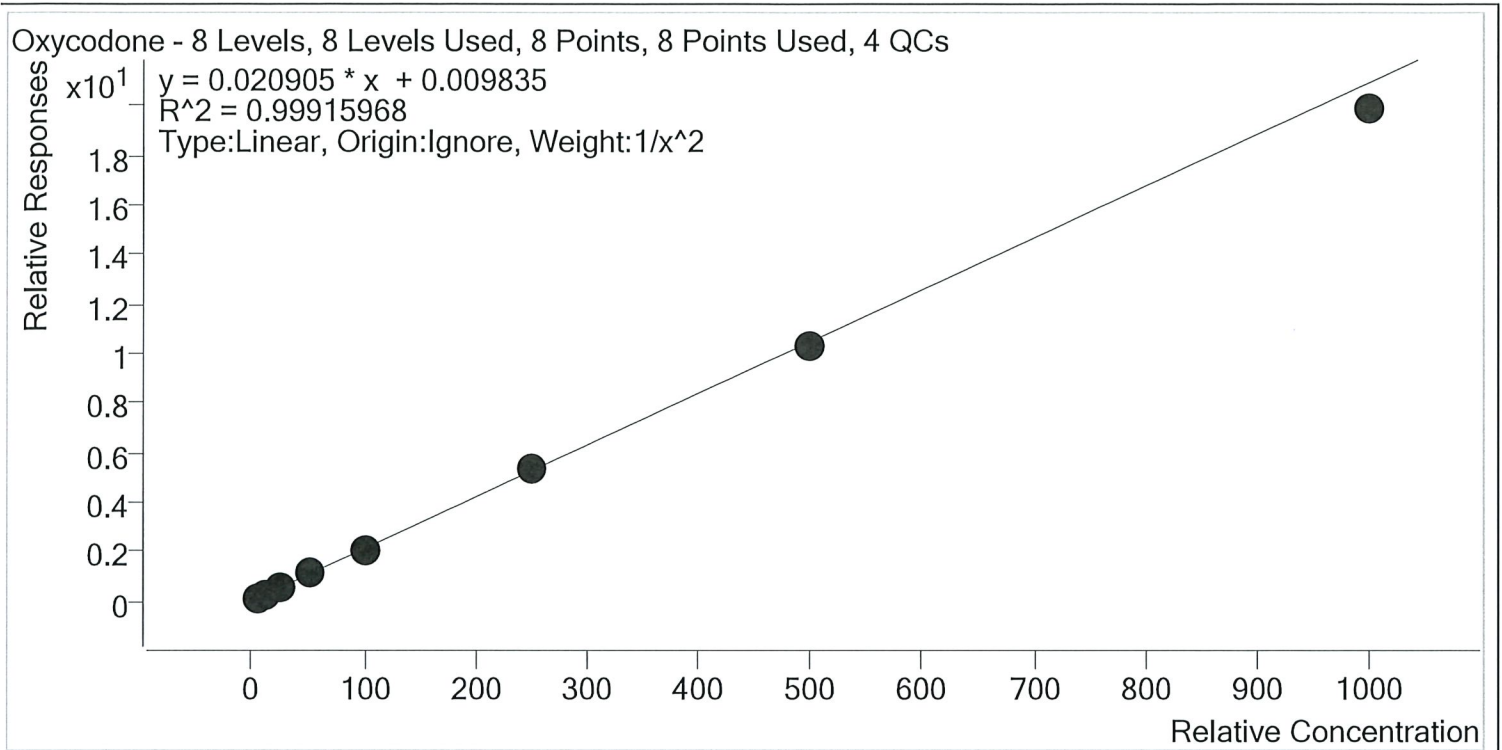
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	×	10.0	11.1	110.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	520.6	104.1
p1 Cal 8-1000ng	8	✓	1000.0	969.3	96.9

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	949.0	94.9

TS



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

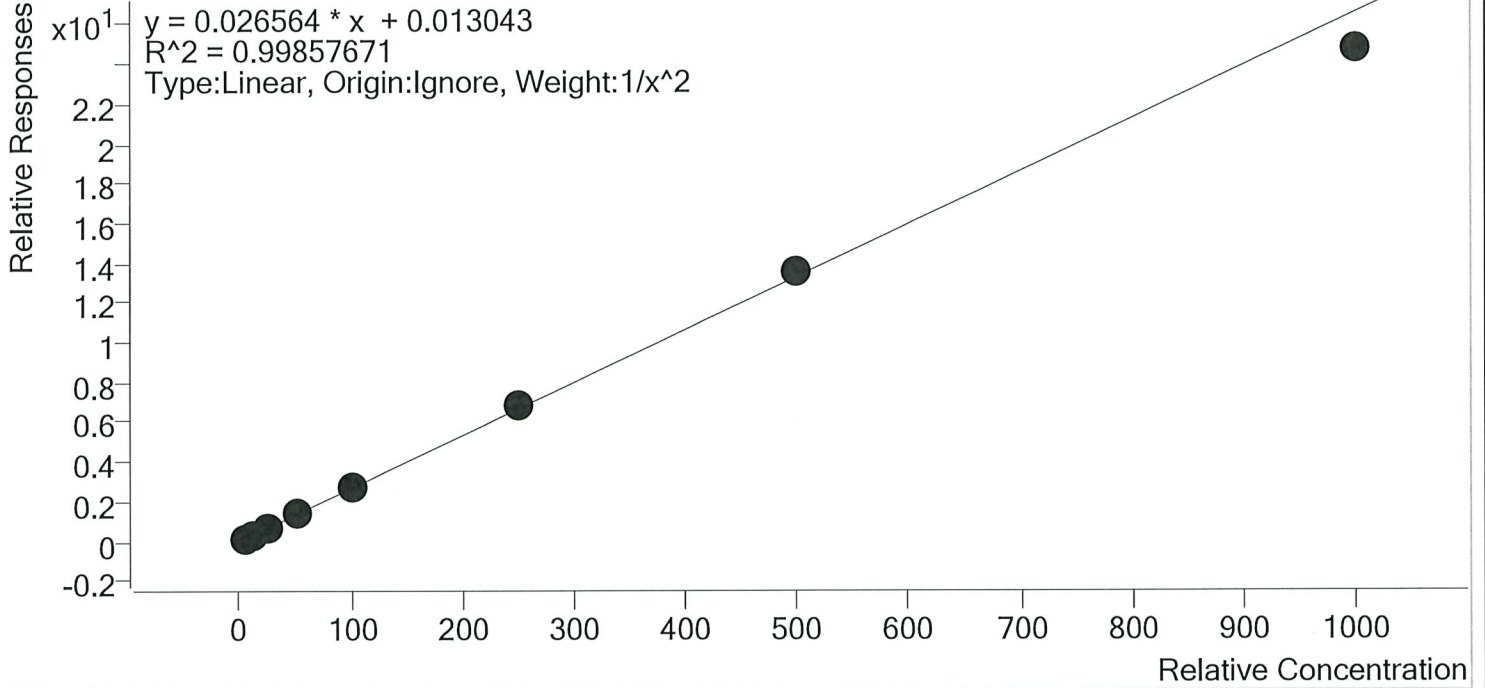
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



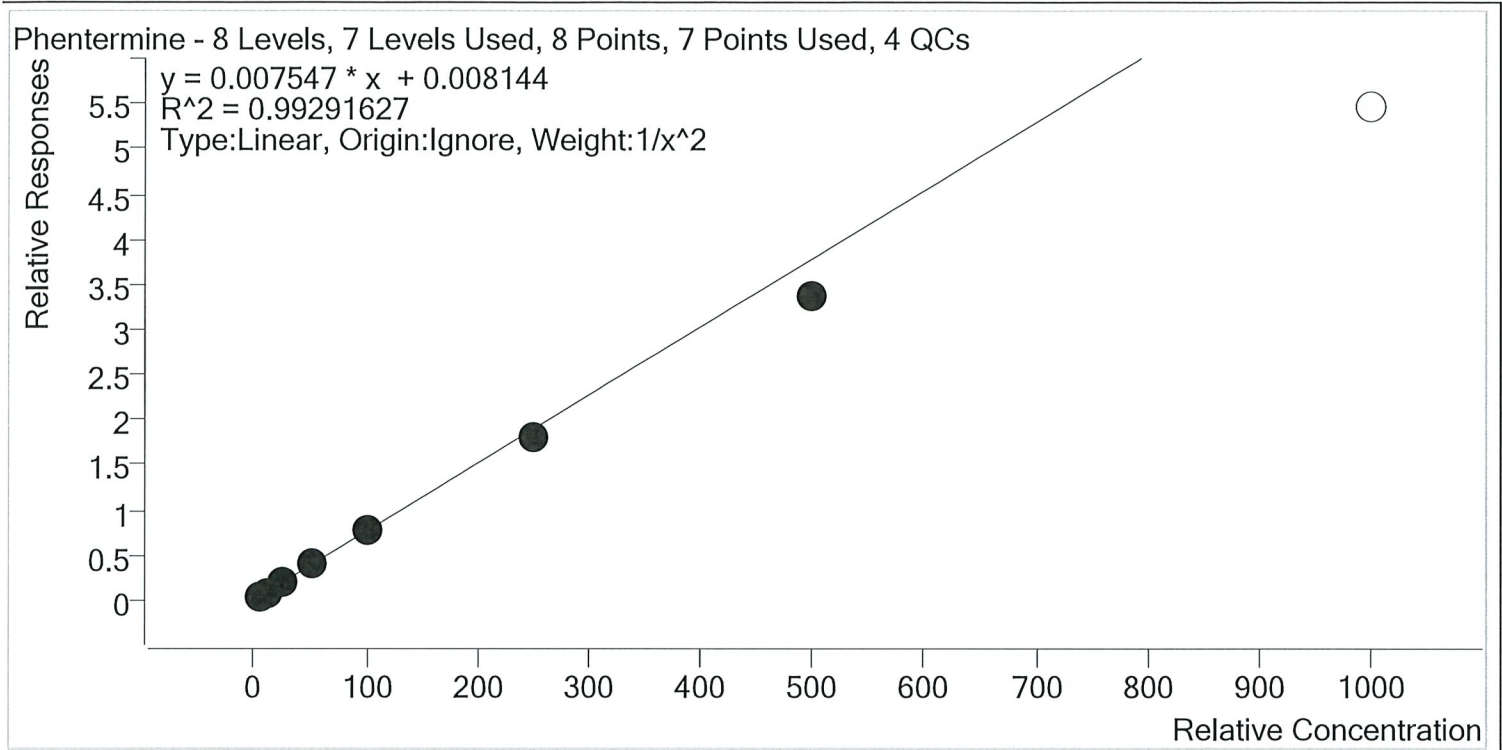
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	255.9	102.3
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	930.9	93.1

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datator  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	237.5	95.0
p1 Cal 7-500ng	7	✓	500.0	445.2	89.0
p1 Cal 8-1000ng	8	×	1000.0	722.5	72.2



TS



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

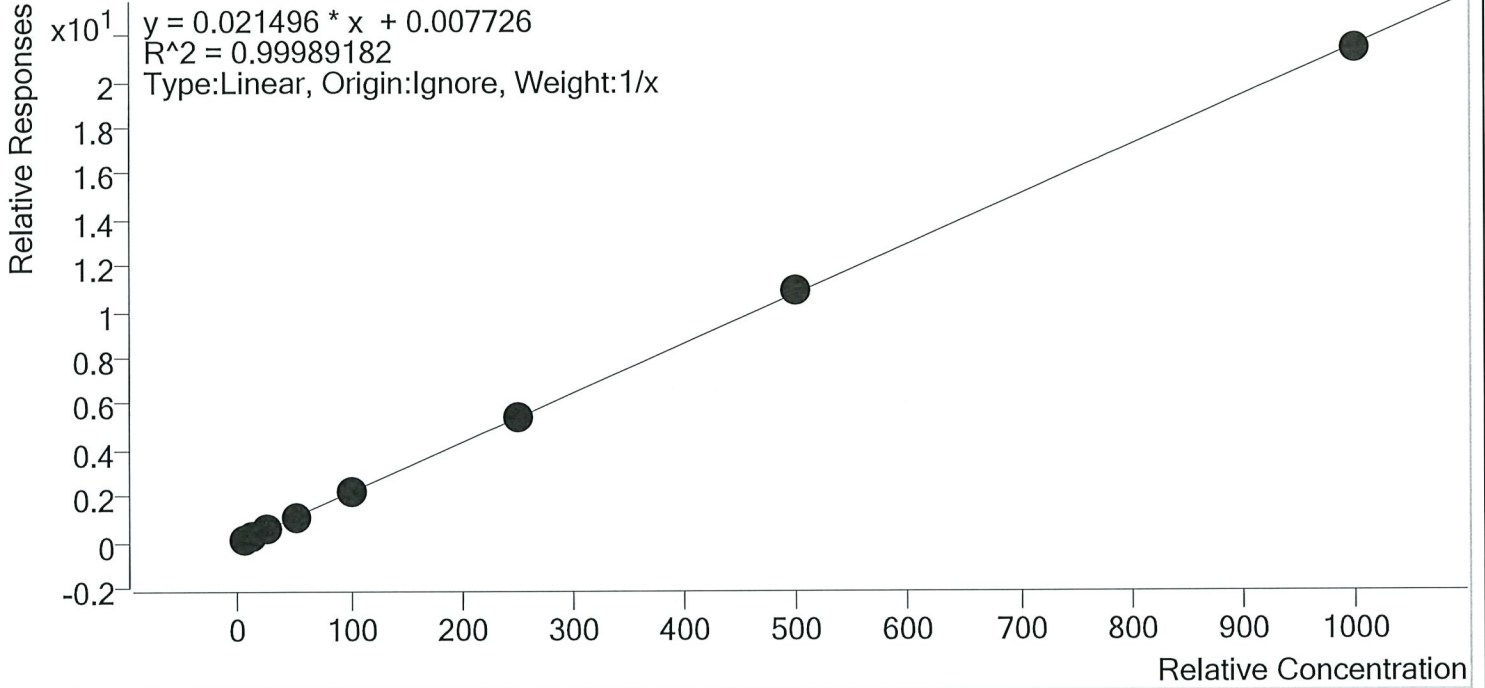
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wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	992.8	99.3



TS

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

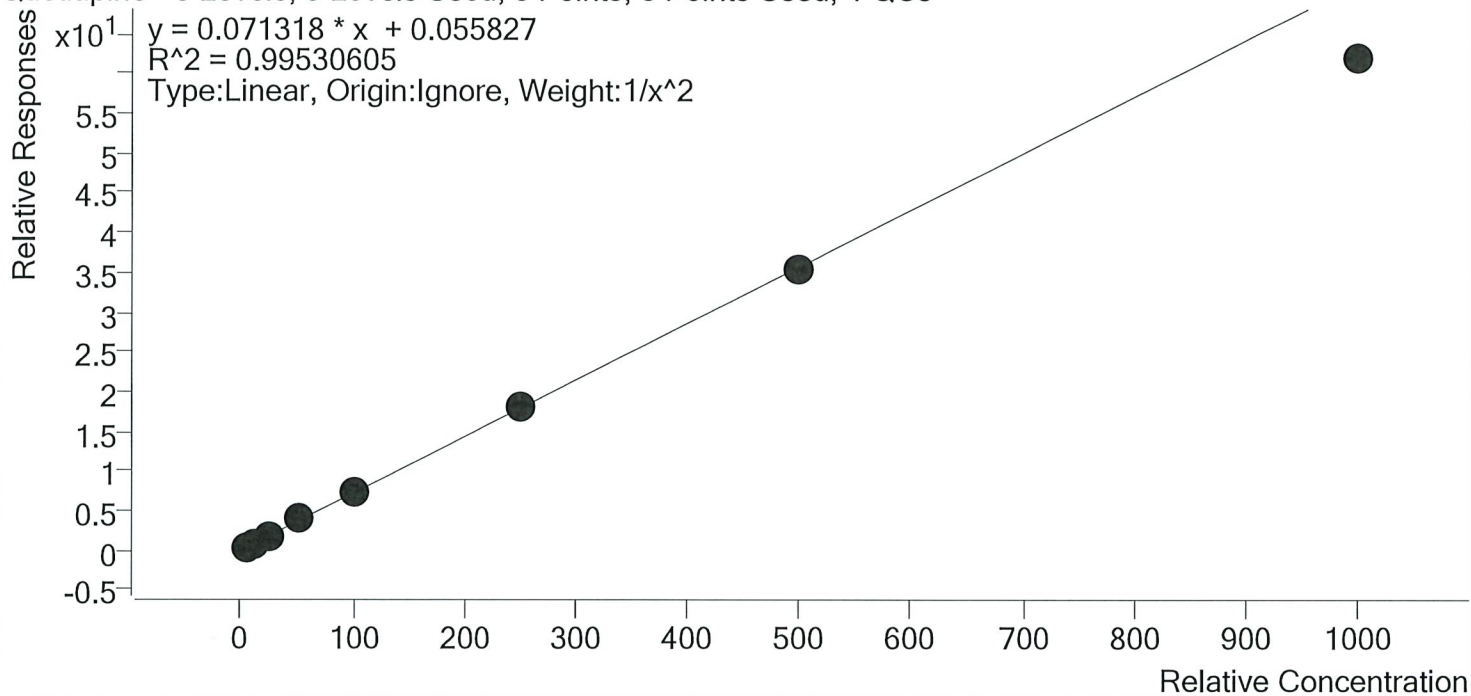
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	868.4	86.8

TS



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

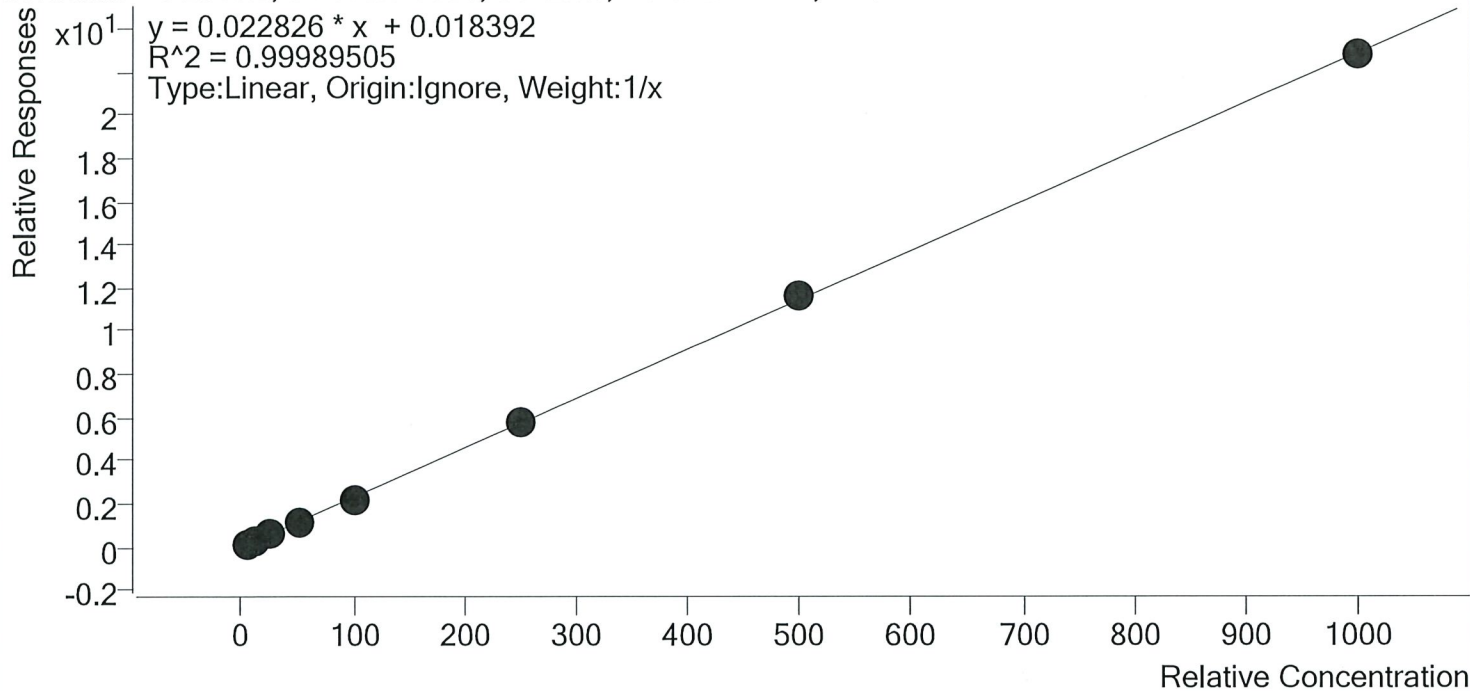
**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin

**Last Cal. Update** 1/30/2020 9:29 AM

**Analyst Name** ISP\Datastor

**Analyte** Sertraline **Internal Standard** Sertraline-D3

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



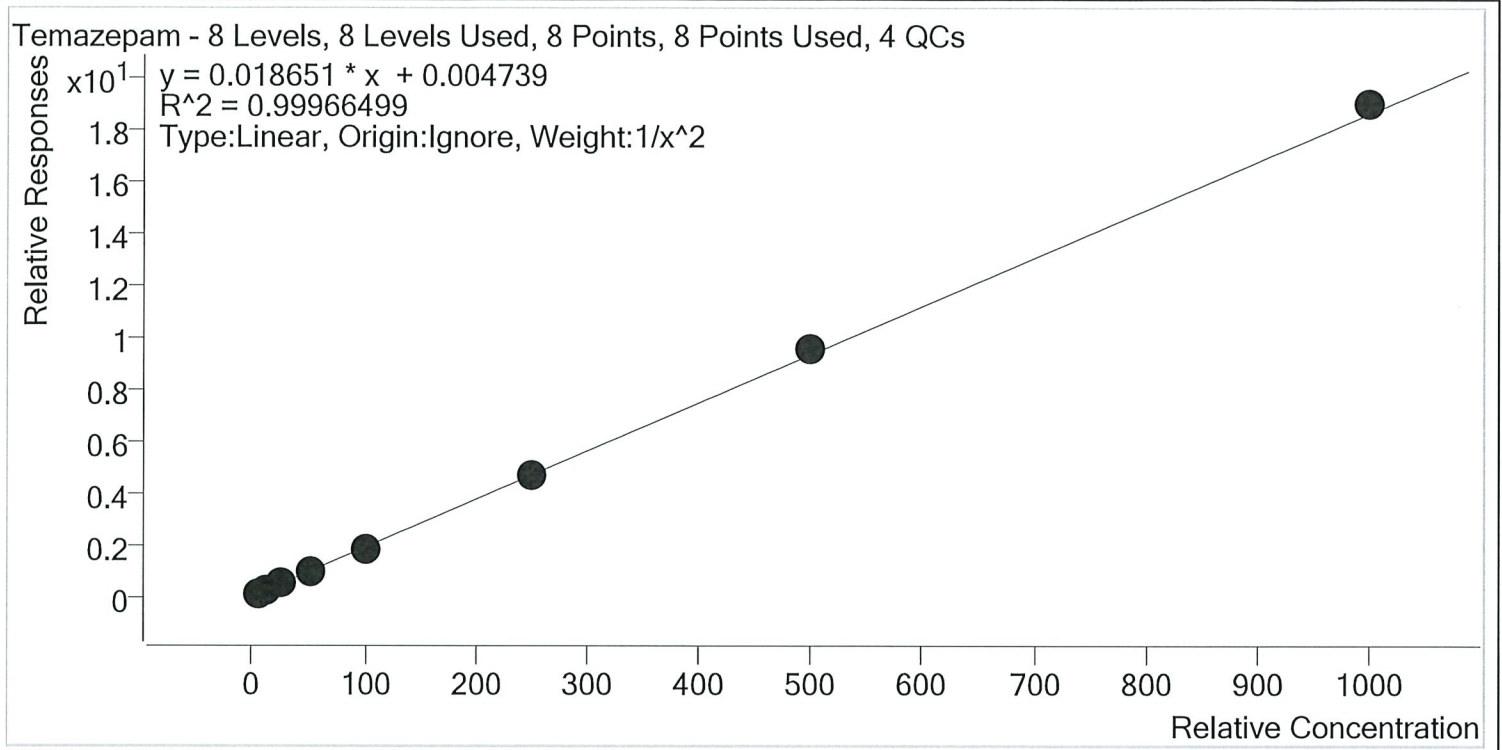
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	996.4	99.6

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1019.4	101.9

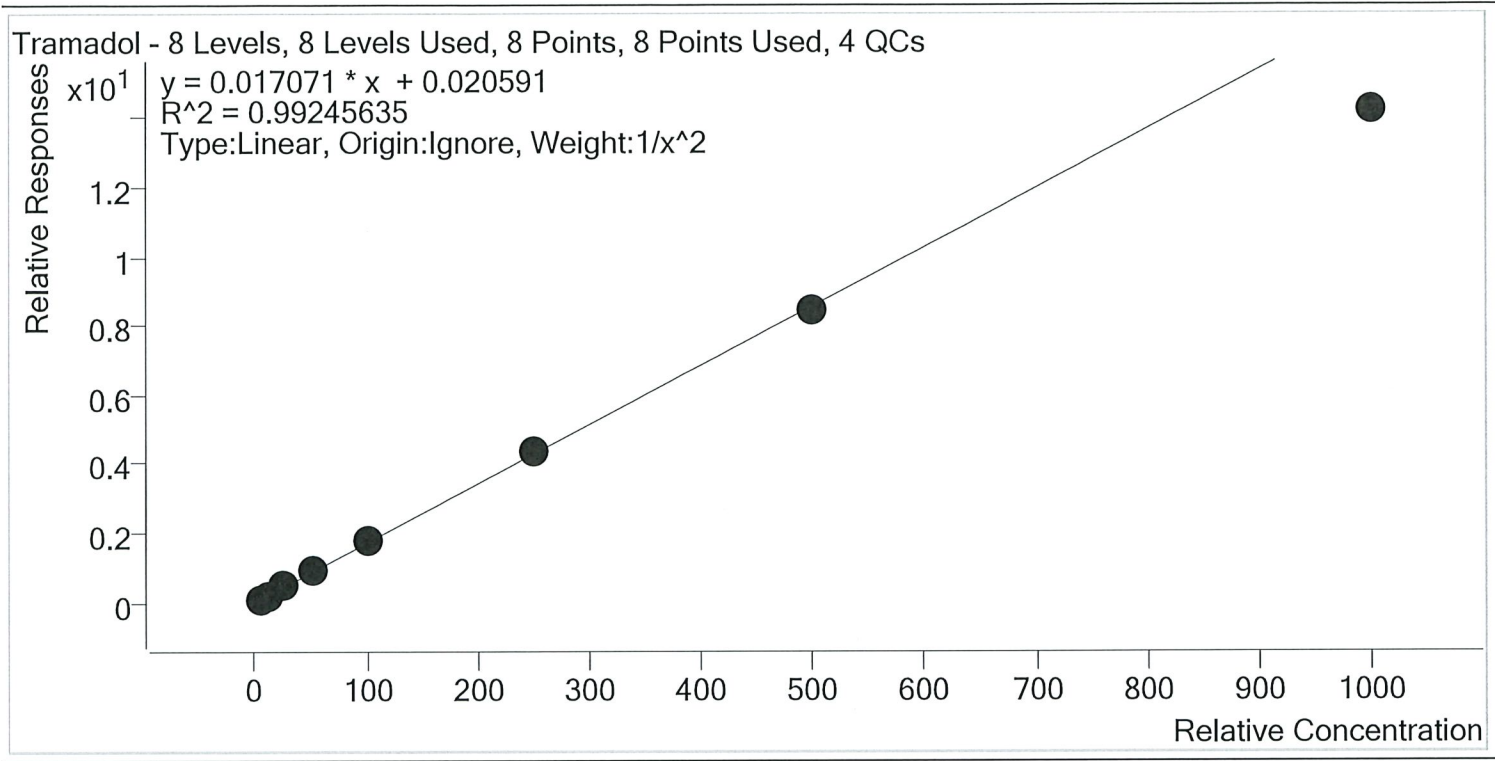


TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



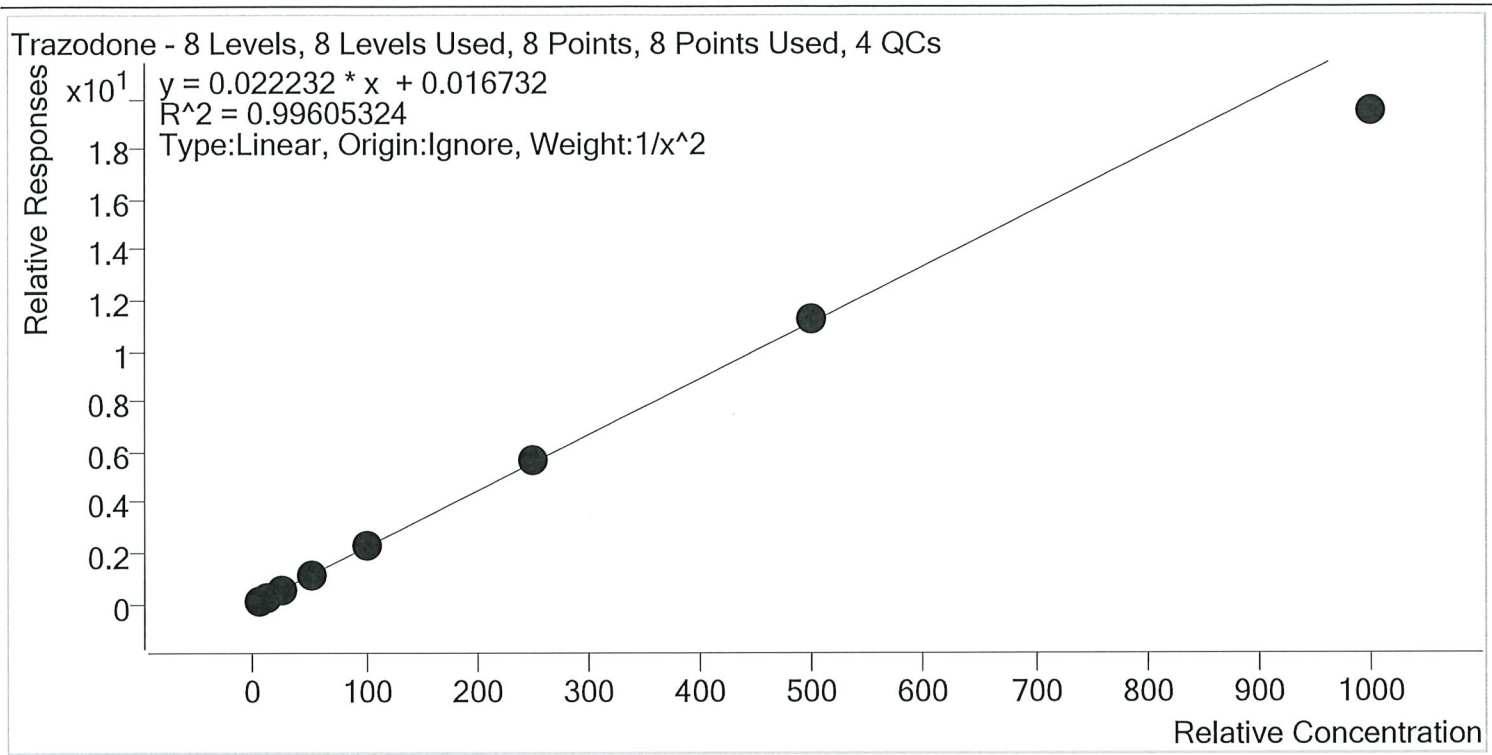
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	831.7	83.2

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



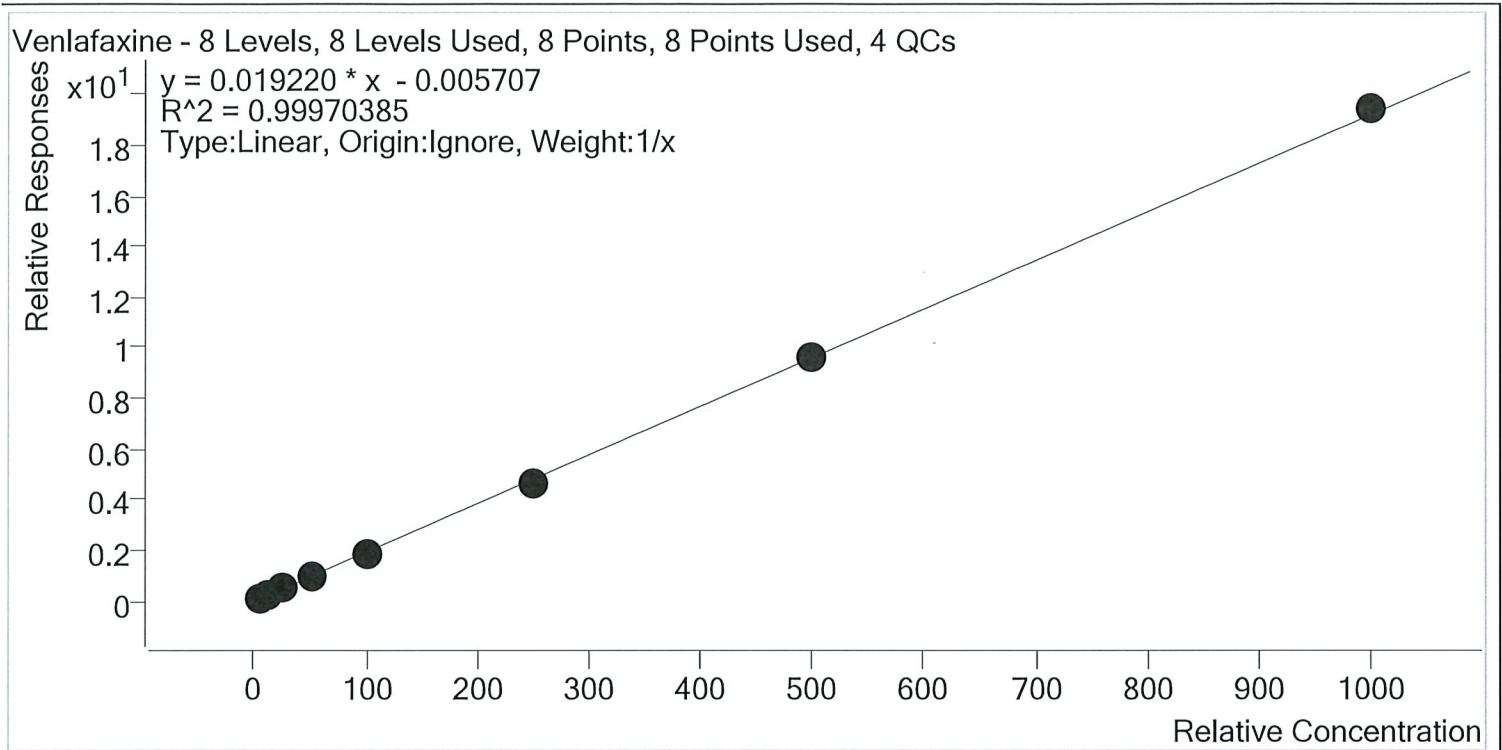
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	875.3	87.5

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datator  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



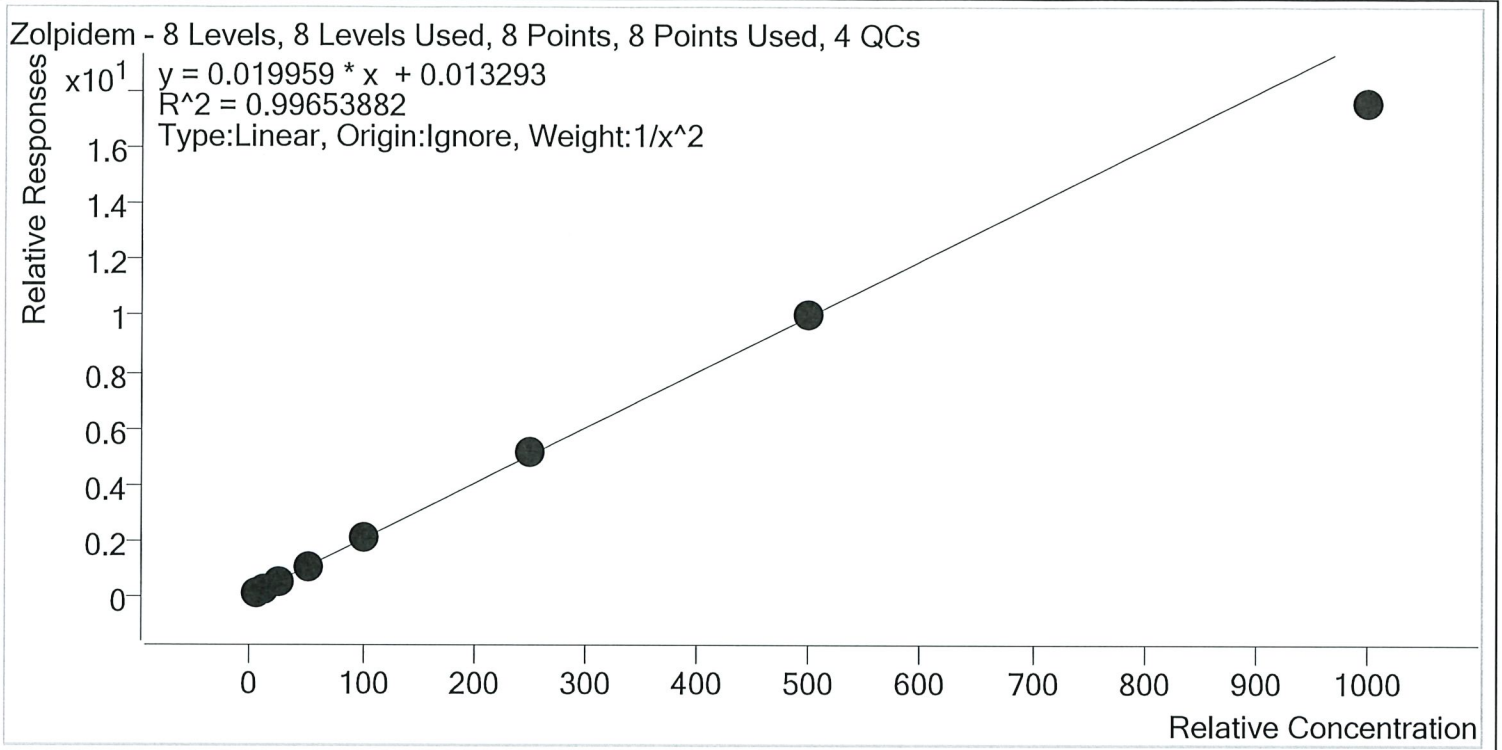
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	243.4	97.3
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2

TS



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ  
 wklst 3969 TS.batch.bin  
**Last Cal. Update** 1/30/2020 9:29 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	882.0	88.2



TS

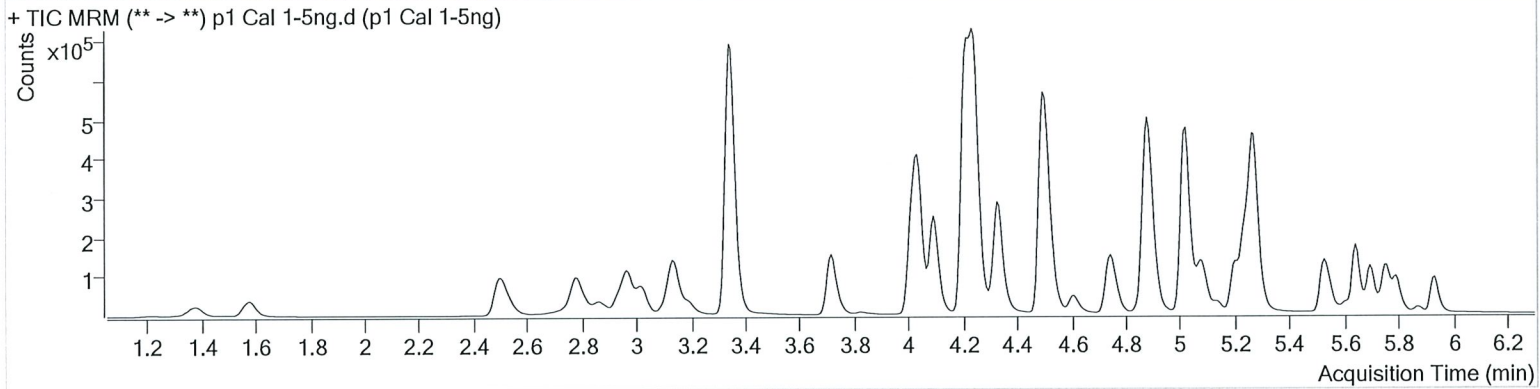


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

**Instrument** Falco **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** MDQ P1 01112020.m **Operator** Tamara Salazar  
**Sample Position** P1-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/29/2020 5:56:55 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	1150	1182.06	69.6	1668.31	46561	0.5157 ng/ml
7-aminoclonazepam	4.237	13516	1844.75	81.5	3152.49	102535	4.7393 ng/ml
a-hydroxyalprazolam	5.680	2500	139.36	60.1	67.45	10092	5.2442 ng/ml
alpha-PVP	4.337	67289	1043.93	51.5	847.75	599497	5.1587 ng/ml
Alprazolam	5.756	29166	569.92	101.6	657.51	146639	5.1765 ng/ml
Amphetamine	3.021	68140	936.76	52.9	1635.60	147249	4.7642 ng/ml
Benzoylcegonine	3.853	1889	117.50	7.6	9.67 <b>Low</b>	12410	5.1455 ng/ml
Buprenorphine	5.814	746	15.17	18.9	6.87 <b>Low</b>	59922	0.4945 ng/ml
Bupropion	4.766	50125	4039.05	57.5	671.62	347173	4.8163 ng/ml
Carisoprodol	5.705	17122	174.45	60.7	47.15	174400	5.0267 ng/ml
Citalopram	5.202	30331	1134.04	42.0	352.65	264693	5.1842 ng/ml
Clonazepam	5.586	4338	37.32	37.2	210.98	9669	4.9802 ng/ml
Cocaine	4.237	77634	14193.67	44.8	800.39	1159725	5.3693 ng/ml
Codeine	2.556	8258	5498.70	103.7	458.49	70547	4.8520 ng/ml
Cyclobenzaprine	5.610	5969	1509.73	9.3	∞	44160	5.0242 ng/ml
Dextromethorphan	5.245	12027	190.89	79.3	710.86	101727	5.1790 ng/ml
Dextrorphan	4.093	20709	4814.68	203.9	1091.67	508556	5.2226 ng/ml
Diazepam	5.934	16933	1838.71	89.4	4792.04	160987	4.9152 ng/ml
Dihydrocodeine	2.528	23095	509.06	66.4	693.11	238242	4.8437 ng/ml
Diphenhydramine	5.272	62300	2244.12	33.4	1878.59	900895	5.4493 ng/ml
Doxylamine	4.514	165939	14917.08	96.4	6230.64	1338166	3.5054 ng/ml
EDDP	5.237	32070	444.17	42.1	∞	345835	5.0587 ng/ml
Fentanyl	5.079	856	43.23	62.7	∞	84499	0.5119 ng/ml
Fluoxetine	5.695	3834	696.52	7.0	∞	30404	5.0124 ng/ml
Hydrocodone	2.998	20818	207.93	43.1	103.73	260896	4.8720 ng/ml
Hydromorphone	1.587	14804	198.96	77.5	370.73	105504	4.9831 ng/ml
Ketamine	4.026	61855	618.84	38.3	∞	553298	4.9161 ng/ml
Lamotrigine	4.254	5738	631.78	83.4	412.30	553298	4.7208 ng/ml
Lorazepam	5.728	1325	16.13	61.2	23.61	9669	5.0247 ng/ml
Meprobamate	4.875	4341	885.90	27.4	48.11	41567	4.9548 ng/ml
Methadone	5.641	32706	2968.05	52.2	185.86	306977	5.2185 ng/ml
Methamphetamine	3.195	46496	651.55	43.0	935.05	328448	4.8384 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	14434	7643.70	101.7	1093.51	1464466	4.7289 ng/ml
Mirtazapine	4.609	70124	23696.16	48.7	3457.08	599497	5.1708 ng/ml
Mitragynine	5.214	5775	17628.67	40.2	209.93	306977	4.8189 ng/ml
Morphine	1.226	2362	887.66	22.6	44.84	4740	4.9551 ng/ml
Norbuprenorphine	4.976	73	4.81 <b>Low</b>	55.6 <b>Low</b>	4.48 <b>Low</b>	4106	1.0444 ng/ml
Nordiazepam	5.881	3440	303.68	54.4	1435.92	22184	4.9578 ng/ml
Norfentanyl	4.061	8255	329.25	38.1	141.96	675050	0.5164 ng/ml
Norhydrocodone	3.039	3285	141.28	40.7	278.12	59625	5.2166 ng/ml
Noroxycodone	2.883	14539	293.47	49.6	313.62	88522	4.9553 ng/ml
O-desmethyl-tramadol	3.348	152671	18327.30	5.9	614.31	1594183	5.0293 ng/ml
Oxazepam	5.738	1438	24.27	64.4	79.69	16479	5.0451 ng/ml
Oxycodone	2.807	37554	402.64	29.9	∞	330902	4.9582 ng/ml
Oxymorphone	1.383	11851	398.60	48.1	138.11	81610	4.9755 ng/ml
Phentermine	3.751	17770	1195.89	2.7	25.11	399626	4.8126 ng/ml
Promethazine	5.527	13696	11178.93	30.0	150.22	120162	4.9431 ng/ml
Quetiapine	5.544	56962	5290.61	58.1	1942.54	140334	4.9087 ng/ml
Sertraline	5.770	1764	31.77	85.1	128.03	13528	4.9063 ng/ml
Temazepam	5.798	14021	2956.29	32.5	50.88	141935	5.0425 ng/ml
Tramadol	4.219	152065	7821.01	3.4	63.00	1464466	4.8764 ng/ml
Trazodone	5.140	31966	3713.66	76.7	8494.58	253722	4.9144 ng/ml
Venlafaxine	5.020	103813	5963.84	35.6	536.82	1055981	5.4118 ng/ml
Zolpidem	4.898	134561	420.99	30.5	6742.53	1205134	4.9283 ng/ml



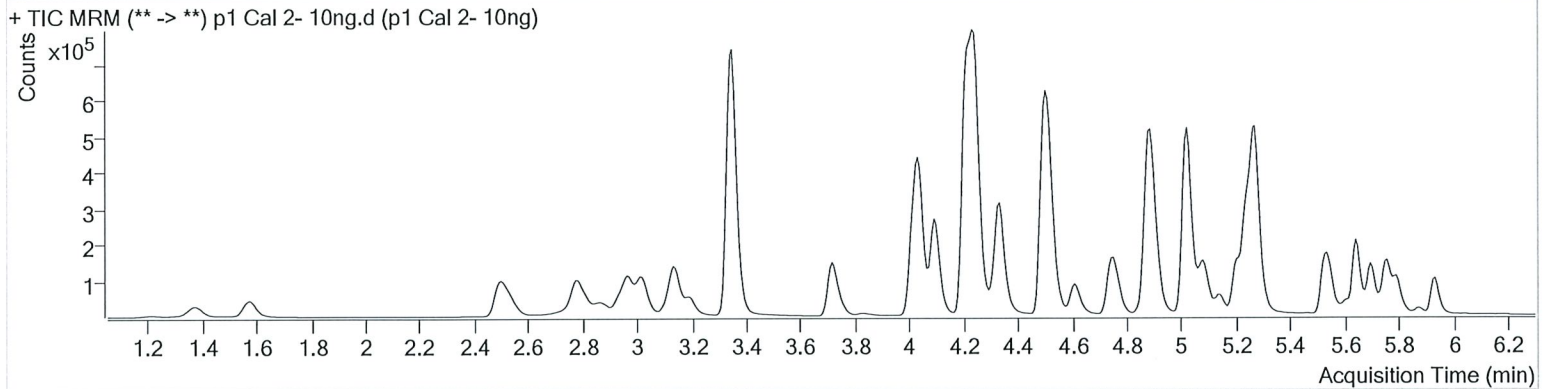
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
 TS.batch.bin  
**Calibration Last Update** 1/30/2020 9:29:02 AM

**Instrument** Falco **Data File** p1 Cal 2- 10ng.d  
**Type** Cal **Sample** p1 Cal 2- 10ng  
**Acq. Method** MDQ P1 01112020.m **Operator** Tamara Salazar  
**Sample Position** P1-B1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/29/2020 6:07:39 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	2075	591.39	68.3	3590.94	46833	0.9574 ng/ml
7-aminoclonazepam	4.237	26040	592.73	81.0	604.85	101711	10.4700 ng/ml
a-hydroxyalprazolam	5.680	4412	85.54	64.4	688.80	10263	9.1533 ng/ml
alpha-PVP	4.344	127900	18537.77	50.8	480.46	579989	10.0043 ng/ml
Alprazolam	5.756	55756	706.12	101.2	936.82	144192	10.0735 ng/ml
Amphetamine	3.021	123781	∞	52.7	205.40	141933	10.4883 ng/ml
Benzoylcegonine	3.853	3399	278.12	7.5	37.82	12459	9.6480 ng/ml
Buprenorphine	5.814	1724	23.06	15.3	24.05	59523	1.0425 ng/ml
Bupropion	4.766	93007	9199.76	58.9	2630.43	339258	9.6999 ng/ml
Carisoprodol	5.705	33154	4669.63	56.9	64.49	171513	9.8963 ng/ml
Citalopram	5.202	59279	982.98	41.2	33259.57	269718	10.0112 ng/ml
Clonazepam	5.586	8127	628.92	37.2	924.84	9716	9.8101 ng/ml
Cocaine	4.243	144229	74661.38	44.5	1835.77	1119707	10.0681 ng/ml
Codeine	2.556	16081	5028.92	101.5	95141.26	68699	10.2452 ng/ml
Cyclobenzaprine	5.610	14250	∞	10.6	461.25	52604	10.1171 ng/ml
Dextromethorphan	5.252	23358	399.48	80.4	212.80	108417	9.6497 ng/ml
Dextrorphan	4.100	38156	1122.70	209.5	884.17	498463	9.9115 ng/ml
Diazepam	5.934	32387	2256.45	86.7	268.23	152822	10.1526 ng/ml
Dihydrocodeine	2.528	43626	2029.05	67.0	2841.41	237991	10.1719 ng/ml
Diphenhydramine	5.272	121974	1167.53	33.8	3611.87	913951	10.0621 ng/ml
Doxylamine	4.514	318526	7123.10	97.1	4705.09	1335710	9.1355 ng/ml
EDDP	5.244	81105	1556.06	42.4	506.79	453376	9.7865 ng/ml
Fentanyl	5.079	1799	77.23	69.0	6685.47	97108	0.9855 ng/ml
Fluoxetine	5.702	9756	491.54	8.8	489.52	42223	9.6366 ng/ml
Hydrocodone	2.998	39778	228.47	39.9	433.14	253812	10.2195 ng/ml
Hydromorphone	1.581	28111	559.69	76.7	320.66	102863	10.1211 ng/ml
Ketamine	4.033	114816	1230.11	38.8	637.01	535159	10.0494 ng/ml
Lamotrigine	4.254	11171	3068.26	78.6	1248.23	535159	10.6979 ng/ml
Lorazepam	5.728	2882	45.86	56.9	9.17 <b>Low</b>	9716	10.4421 ng/ml
Meprobamate	4.875	8025	311.96	26.0	106.25	42634	9.7280 ng/ml
Methadone	5.641	66345	3467.45	52.4	∞	322647	9.9438 ng/ml
Methamphetamine	3.195	80876	1284.80	42.2	2599.28	318499	10.2184 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	28335	∞	98.7	1868.05	1444610	10.5671 ng/ml
Mirtazapine	4.609	137752	18508.69	49.4	6170.37	579989	10.0864 ng/ml
Mitragynine	5.214	11396	19620.42	38.4	19375.05	322647	9.4868 ng/ml
Morphine	1.220	4621	934.73	23.5	522.87	4838	10.1304 ng/ml
Norbuprenorphine	4.976	84	3.92 <b>Low</b>	90.0	7.55 <b>Low</b>	4090	1.1756 ng/ml
Nordiazepam	5.881	6480	204.13	57.3	324.53	20461	10.1928 ng/ml
Norfentanyl	4.061	15749	1207.43	39.5	102.01	678688	0.9585 ng/ml
Norhydrocodone	3.046	6234	∞	43.6	109.64	59486	9.5295 ng/ml
Noroxycodone	2.883	27764	1049.63	49.2	1245.74	87227	10.0345 ng/ml
O-desmethyl-tramadol	3.348	291918	12123.53	6.1	433.07	1578322	9.9425 ng/ml
Oxazepam	5.731	2870	11.20	61.5	28.14	16071	11.0633 ng/ml
Oxycodone	2.807	71505	3692.38	31.6	969.39	326531	10.0046 ng/ml
Oxymorphone	1.376	22618	145.42	48.9	628.16	80183	10.1279 ng/ml
Phentermine	3.751	32992	801.01	2.7	68.23	384249	10.2970 ng/ml
Promethazine	5.527	31393	1336.32	30.1	224.84	140234	10.0548 ng/ml
Quetiapine	5.544	111301	2014.87	59.8	2821.51	143905	10.0620 ng/ml
Sertraline	5.770	4948	68.83	86.4	143.50	19787	10.1503 ng/ml
Temazepam	5.798	27179	357.44	28.4	28.96	142626	9.9632 ng/ml
Tramadol	4.226	279705	1445.88	3.5	127.29	1444610	10.1357 ng/ml
Trazodone	5.140	67020	∞	79.8	5956.94	278798	10.0601 ng/ml
Venlafaxine	5.020	195259	1552.67	36.5	392.28	1035022	10.1122 ng/ml
Zolpidem	4.905	257382	17794.38	31.2	13917.95	1201145	10.0701 ng/ml



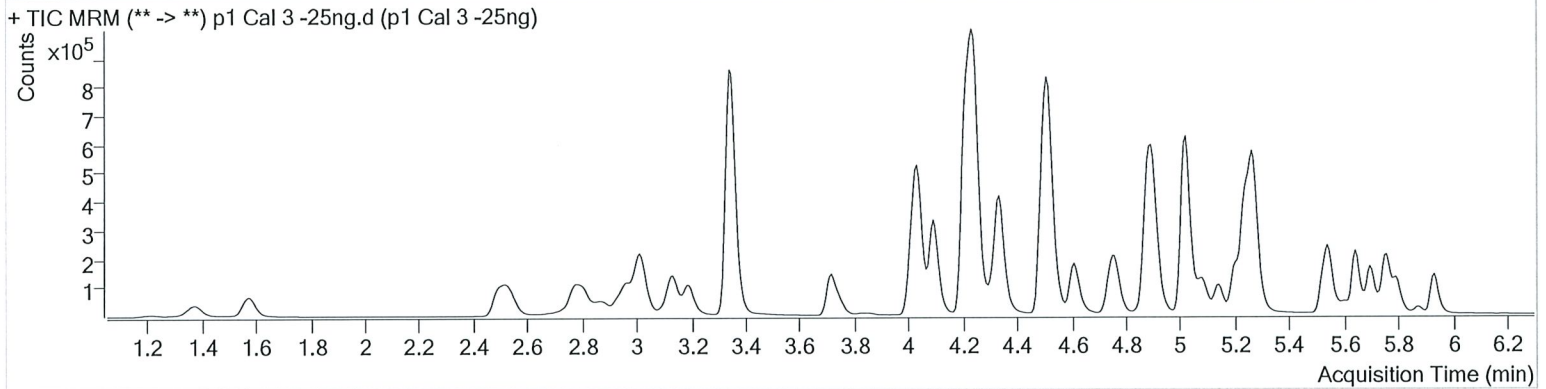
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
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**Calibration Last Update** 1/30/2020 9:29:02 AM

**Instrument** Falco **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** MDQ P1 01112020.m **Operator** Tamara Salazar  
**Sample Position** P1-C1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/29/2020 6:18:13 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	4672	1493.23	74.7	5189.98	43994	2.3518 ng/ml
7-aminoclonazepam	4.237	58320	∞	83.0	434.25	93913	27.3118 ng/ml
a-hydroxyalprazolam	5.680	11319	131.36	60.8	124.63	9865	24.5463 ng/ml
alpha-PVP	4.344	305840	15618.31	50.8	846.86	558892	24.6248 ng/ml
Alprazolam	5.756	126614	3421.53	103.4	2072.47	136402	24.1964 ng/ml
Amphetamine	3.014	300279	3703.94	52.3	7688.55	143557	27.5422 ng/ml
Benzoylecgonine	3.853	7813	1374.04	8.4	93.22	11969	23.8306 ng/ml
Buprenorphine	5.814	3652	43.89	16.2	38.54	49916	2.5084 ng/ml
Bupropion	4.766	208294	29258.85	58.8	14749.68	308233	24.8141 ng/ml
Carisoprodol	5.705	78113	3305.78	55.1	173.66	160668	24.8889 ng/ml
Citalopram	5.202	120947	3411.50	41.1	3350.66	226930	24.3822 ng/ml
Clonazepam	5.586	19884	877.63	32.9	498.56	9359	25.8581 ng/ml
Cocaine	4.244	336411	57123.93	43.9	91943.12	1061486	24.3552 ng/ml
Codeine	2.550	37546	2856.21	101.3	∞	64369	26.3394 ng/ml
Cyclobenzaprine	5.610	24082	28786.73	9.8	429.56	38033	23.7134 ng/ml
Dextromethorphan	5.245	46607	3335.34	79.1	1001.59	84541	25.0942 ng/ml
Dextrorphan	4.093	90146	213088.39	210.1	7650.29	480512	24.4470 ng/ml
Diazepam	5.934	78093	4385.36	88.0	883.07	148381	25.5779 ng/ml
Dihydrocodeine	2.528	103960	867.50	67.7	1639.85	228226	26.9651 ng/ml
Diphenhydramine	5.272	252193	20006.44	33.5	453.15	752607	24.5259 ng/ml
Doxylamine	4.514	713244	30895.29	97.5	86222.62	1223197	26.0865 ng/ml
EDDP	5.237	219625	12005.41	41.9	6350.42	480087	25.0726 ng/ml
Fentanyl	5.079	2971	99.90	81.3	∞	71489	2.2846 ng/ml
Fluoxetine	5.695	14951	235.82	9.3	295.04	25942	24.8481 ng/ml
Hydrocodone	2.991	94783	201.86	40.3	202.87	243473	26.3870 ng/ml
Hydromorphone	1.581	69699	518.39	78.4	582.69	108265	24.4374 ng/ml
Ketamine	4.026	275276	19353.73	38.2	1984.92	516822	25.9405 ng/ml
Lamotrigine	4.254	25175	3192.34	81.1	3044.17	516822	26.5401 ng/ml
Lorazepam	5.728	6372	100.68	61.5	16.86	9359	23.4831 ng/ml
Meprobamate	4.875	19236	330.18	27.7	203.50	40208	26.2574 ng/ml
Methadone	5.641	132289	10311.89	53.0	652.47	256145	24.7673 ng/ml
Methamphetamine	3.195	186797	2624.13	42.4	6974.32	315027	26.4509 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	64786	3233.36	96.2	2707.66	1373674	27.0497 ng/ml
Mirtazapine	4.609	290748	7648.02	49.4	2627.46	558892	21.6159 ng/ml
Mitragynine	5.214	22871	∞	40.7	7501.70	256145	24.7468 ng/ml
Morphine	1.220	11315	1996.27	22.8	196.33	4925	25.3405 ng/ml
Norbuprenorphine	4.970	160	23.31	98.1	39.12	3507	2.4543 ng/ml
Nordiazepam	5.881	16021	5939.94	59.4	33845.70	20938	24.7169 ng/ml
Norfentanyl	4.061	40128	4581.94	36.8	331.98	680714	2.3984 ng/ml
Norhydrocodone	3.039	15250	359.31	43.8	471.42	58095	23.2138 ng/ml
Noroxycodone	2.883	66421	1055.16	48.9	845.05	84091	25.5816 ng/ml
O-desmethyl-tramadol	3.348	676448	12029.07	6.1	4202.50	1501099	24.5785 ng/ml
Oxazepam	5.731	5912	49.72	77.6	189.34	15828	23.9135 ng/ml
Oxycodone	2.807	172212	1955.49	31.6	1138.16	315608	25.6307 ng/ml
Oxymorphone	1.376	52259	337.20	49.7	676.64	79128	24.3712 ng/ml
Phentermine	3.751	77528	2230.13	2.5	108.96	365649	27.0138 ng/ml
Promethazine	5.527	53935	2463.45	30.9	148.84	101981	24.2441 ng/ml
Quetiapine	5.544	239996	3179.51	59.3	14618.97	125983	25.9282 ng/ml
Sertraline	5.770	6445	595.97	90.1	54.81	10800	25.3400 ng/ml
Temazepam	5.798	61862	1241.89	29.6	287.86	135321	24.2569 ng/ml
Tramadol	4.226	639489	2537.90	3.4	188.33	1373674	26.0640 ng/ml
Trazodone	5.140	136851	34158.54	79.8	∞	229838	26.0296 ng/ml
Venlafaxine	5.020	443228	4182.61	36.6	773.28	957420	24.3829 ng/ml
Zolpidem	4.905	601776	576.98	30.8	13057.49	1147898	25.6002 ng/ml



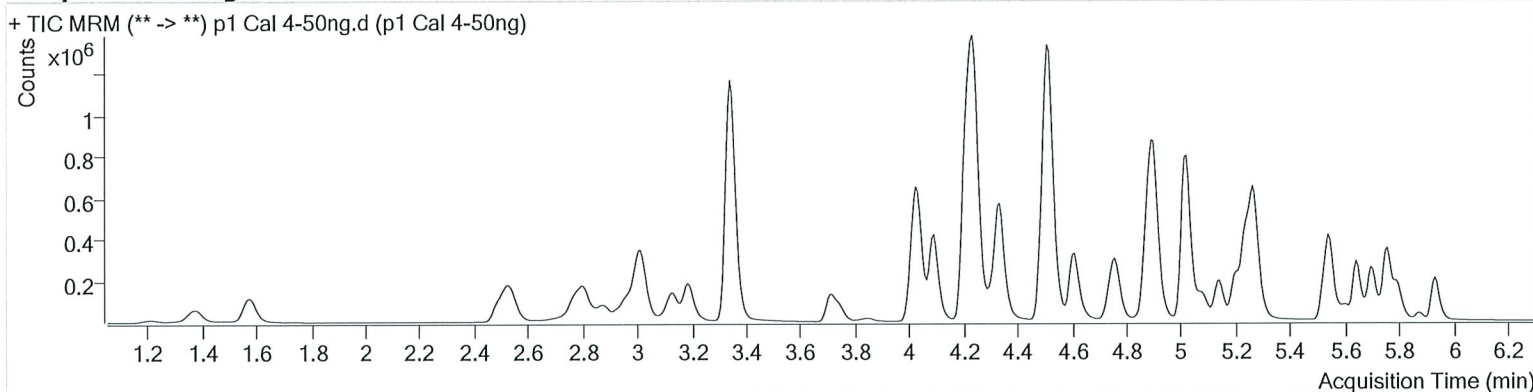
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
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Instrument Falco Data File p1 Cal 4-50ng.d  
 Type Cal Sample p1 Cal 4-50ng  
 Acq. Method MDQ P1 01112020.m Operator Tamara Salazar  
 Sample Position P1-D1 Comment  
 Injection Volume 2  
 Acq. Date-Time 1/29/2020 6:28:48 PM  
 Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	10330	20034.21	70.3	10407.19	45312	5.0961 ng/ml
7-aminoclonazepam	4.231	134664	612.40	80.5	5649.65	108980	55.6755 ng/ml
a-hydroxyalprazolam	5.680	23522	528.36	61.2	432.05	10228	49.2667 ng/ml
alpha-PVP	4.337	577699	7913.42	51.1	2261.16	518229	50.0227 ng/ml
Alprazolam	5.756	267495	1186.69	101.2	1617.24	137294	50.7986 ng/ml
Amphetamine	3.014	496387	6941.07	54.2	14196.27	126445	53.1873 ng/ml
Benzoylcegonine	3.847	21333	8121.96	7.6	496.40	15860	49.6729 ng/ml
Buprenorphine	5.814	6092	271.87	15.4	1575.23	44855	4.5866 ng/ml
Bupropion	4.759	387301	32797.85	58.5	1672.60	280158	51.4083 ng/ml
Carisoprodol	5.705	163185	18807.07	55.5	432.16	166574	50.1503 ng/ml
Citalopram	5.202	219637	2215.82	41.4	4040.07	199325	50.4886 ng/ml
Clonazepam	5.586	42869	1156.45	32.4	1556.28	9791	53.9319 ng/ml
Cocaine	4.237	660761	77528.01	44.0	34786.59	1020460	49.4631 ng/ml
Codeine	2.550	76394	1511.67	99.4	1945.42	65471	53.2330 ng/ml
Cyclobenzaprine	5.610	59240	299.44	10.8	177.44	44380	50.0454 ng/ml
Dextromethorphan	5.245	88100	664.76	78.8	5166.41	80049	50.3539 ng/ml
Dextrorphan	4.093	169796	8268.63	209.6	1227.74	442649	50.0981 ng/ml
Diazepam	5.934	159052	∞	86.7	5790.54	147339	52.7212 ng/ml
Dihydrocodeine	2.521	208941	2936.45	67.4	184387.83	233253	54.1259 ng/ml
Diphenhydramine	5.272	452098	26774.05	33.5	865.90	666048	49.1793 ng/ml
Doxylamine	4.514	1421439	109516.03	96.9	21351.35	1211720	55.1052 ng/ml
EDDP	5.237	303871	13310.51	41.5	8819.23	335291	49.7004 ng/ml
Fentanyl	5.079	6939	504.49	77.2	198.58	77729	4.9764 ng/ml
Fluoxetine	5.695	49648	1162.58	8.8	∞	41817	51.7649 ng/ml
Hydrocodone	2.991	186056	494.46	42.0	∞	245515	52.0049 ng/ml
Hydromorphone	1.581	156610	1154.80	77.9	890.12	117610	51.0155 ng/ml
Ketamine	4.026	554030	20997.39	38.1	932.36	514866	53.0895 ng/ml
Lamotrigine	4.254	52191	2137.30	77.9	2090.73	514866	56.5073 ng/ml
Lorazepam	5.728	14627	459.27	53.1	98.46	9791	51.0762 ng/ml
Meprobamate	4.875	41352	2729.84	26.4	278.78	42218	54.7980 ng/ml
Methadone	5.641	239381	3168.80	52.0	2848.26	228265	50.1492 ng/ml
Methamphetamine	3.188	340754	1647.09	42.3	5071.88	292313	53.8745 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	122486	8977.87	97.3	4530.82	1340014	53.5217 ng/ml
Mirtazapine	4.609	542339	24860.52	49.1	83130.93	518229	43.0793 ng/ml
Mitragynine	5.214	42501	∞	39.5	356.32	228265	52.1457 ng/ml
Morphine	1.220	24153	3980.72	22.3	1413.21	5367	50.3017 ng/ml
Norbuprenorphine	4.970	311	19.52	80.3	305.51	3228	5.0433 ng/ml
Nordiazepam	5.881	32773	709.24	57.2	4401.40	20711	51.1841 ng/ml
Norfentanyl	4.061	72605	16609.48	38.2	678.33	611513	4.8063 ng/ml
Norhydrocodone	3.039	31008	274.10	43.1	712.71	57108	47.5499 ng/ml
Noroxycodone	2.876	131995	1721.65	49.1	1818.51	83377	51.7345 ng/ml
O-desmethyl-tramadol	3.348	1395029	72977.87	6.0	8116.54	1519239	50.3384 ng/ml
Oxazepam	5.731	12735	127.88	73.1	128.12	16851	49.1067 ng/ml
Oxycodone	2.800	359814	14187.17	32.1	2727.66	331200	51.4972 ng/ml
Oxymorphone	1.376	110619	643.14	47.1	460.17	80547	51.2084 ng/ml
Phentermine	3.745	138879	∞	2.5	398.28	332401	54.2785 ng/ml
Promethazine	5.527	136559	549.09	30.4	702.64	123062	51.2635 ng/ml
Quetiapine	5.544	453641	∞	59.6	245655.59	118059	53.0955 ng/ml
Sertraline	5.770	25602	838.67	90.5	515.34	21795	50.6576 ng/ml
Temazepam	5.798	131250	461.71	30.5	189.95	140920	49.6842 ng/ml
Tramadol	4.219	1252369	52735.86	3.4	809.82	1340014	53.5409 ng/ml
Trazodone	5.140	268256	53506.71	80.0	44951.29	226568	52.5038 ng/ml
Venlafaxine	5.020	840689	10599.91	36.5	619.90	894216	49.2108 ng/ml
Zolpidem	4.898	1248229	46554.92	30.8	740.84	1177275	52.4571 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

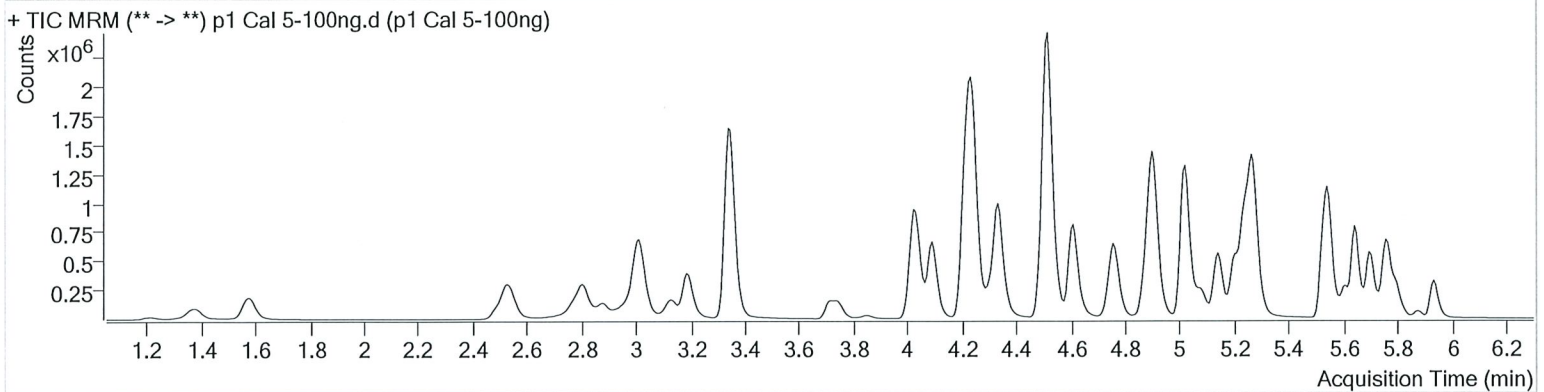


**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
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**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 6:39:22 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	19837	719.84	71.9	2157.23	44939	9.9054 ng/ml
7-aminoclonazepam	4.231	226824	424.83	80.9	253.45	99634	103.7069 ng/ml
a-hydroxyalprazolam	5.673	43921	1462.16	61.2	979.16	9859	95.5053 ng/ml
alpha-PVP	4.337	1213716	14802.07	51.3	1730.17	556594	97.7213 ng/ml
Alprazolam	5.756	475351	3104.85	101.4	4647.46	126718	97.8147 ng/ml
Amphetamine	3.014	1048689	30338.51	54.4	21239.95	147234	97.8900 ng/ml
Benzoylcegonine	3.847	41780	1437.98	7.8	208.80	16118	96.2201 ng/ml
Buprenorphine	5.814	20037	418.75	17.3	314.74	71324	9.3998 ng/ml
Bupropion	4.759	929542	2058.34	58.4	10042.42	341841	101.7158 ng/ml
Carisoprodol	5.705	290325	1188.39	54.4	417.09	147864	100.5120 ng/ml
Citalopram	5.202	614896	1794.53	41.5	4956.01	288258	97.8083 ng/ml
Clonazepam	5.586	79153	5996.70	34.3	1146.22	10001	97.9759 ng/ml
Cocaine	4.237	1259905	96082.80	44.1	23540.56	995160	96.4391 ng/ml
Codeine	2.550	140101	4270.75	100.4	8672.00	62987	101.9663 ng/ml
Cyclobenzaprine	5.610	336524	14463.44	9.8	719.99	128954	97.8863 ng/ml
Dextromethorphan	5.245	299446	28463.53	79.3	598.42	139160	98.6977 ng/ml
Dextrorphan	4.093	348712	25090.86	209.1	5660.71	463259	98.4128 ng/ml
Diazepam	5.934	290841	3073.98	87.7	1713.67	142856	99.6483 ng/ml
Dihydrocodeine	2.528	387322	1464.72	67.3	2726.24	233049	101.3955 ng/ml
Diphenhydramine	5.272	1320939	35253.10	33.8	17947.74	996306	95.5946 ng/ml
Doxylamine	4.514	2924894	28074.76	96.6	61707.82	1266300	111.0161 ng/ml
EDDP	5.237	721783	12332.37	41.9	667.23	406512	97.3989 ng/ml
Fentanyl	5.079	34564	342.51	75.4	128459.58	194566	9.9611 ng/ml
Fluoxetine	5.695	359997	2426.62	8.8	56570.48	157088	100.4237 ng/ml
Hydrocodone	2.991	369342	∞	41.6	373.60	253994	100.4095 ng/ml
Hydromorphone	1.581	298582	1288.68	78.2	644.93	115454	99.4930 ng/ml
Ketamine	4.026	1083011	67960.12	38.2	36633.01	525785	102.2347 ng/ml
Lamotrigine	4.254	92654	19450.42	77.8	18691.64	525785	99.1051 ng/ml
Lorazepam	5.728	27889	311.40	54.3	168.89	10001	95.0145 ng/ml
Meprobamate	4.875	77994	12806.20	25.5	1452.21	40991	107.3843 ng/ml
Methadone	5.641	793430	66334.09	53.4	1835.48	388188	97.6111 ng/ml
Methamphetamine	3.188	753282	2574.28	42.6	3709.36	335421	105.5878 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	239071	6855.22	96.9	14257.09	1324528	106.8247 ng/ml
Mirtazapine	4.609	1359196	16644.57	48.8	222905.05	556594	99.9883 ng/ml
Mitragynine	5.214	144633	16280.31	39.0	3130.01	388188	104.8493 ng/ml
Morphine	1.213	45423	1740.31	22.8	902.88	5199	98.3018 ng/ml
Norbuprenorphine	4.970	1044	144.33	83.1	3409.94	5100	10.5816 ng/ml
Nordiazepam	5.881	59900	1296.75	58.5	743.84	19954	97.1599 ng/ml
Norfentanyl	4.061	146952	26792.35	37.5	1253.91	614542	9.6560 ng/ml
Norhydrocodone	3.039	64573	∞	42.4	187.61	58233	96.6554 ng/ml
Noroxycodone	2.876	246894	1428.28	49.7	7407.45	82146	98.6304 ng/ml
O-desmethyl-tramadol	3.348	2649761	13047.92	6.0	9866.54	1478422	98.4887 ng/ml
Oxazepam	5.731	25088	485.47	69.2	141.42	16227	101.2052 ng/ml
Oxycodone	2.800	693592	3216.98	31.9	1936.97	328518	100.5222 ng/ml
Oxymorphone	1.376	208428	∞	47.9	576.67	76936	101.4929 ng/ml
Phentermine	3.745	284318	5599.53	2.5	163.47	372275	100.1122 ng/ml
Promethazine	5.527	775520	40251.58	29.9	686.82	360964	99.5885 ng/ml
Quetiapine	5.544	1083344	121144.56	59.0	10517.42	144949	104.0146 ng/ml
Sertraline	5.770	192641	3187.78	91.1	4008.98	86350	96.9333 ng/ml
Temazepam	5.798	247067	918.78	30.2	288.71	133243	99.1662 ng/ml
Tramadol	4.219	2416489	474976.31	3.3	1955.67	1324528	105.6654 ng/ml
Trazodone	5.140	798289	58438.61	78.7	63998.23	347967	102.4385 ng/ml
Venlafaxine	5.020	1756806	1660.18	36.6	1868.23	951882	96.3210 ng/ml
Zolpidem	4.905	2386912	148935.62	30.6	52976.15	1160752	102.3641 ng/ml



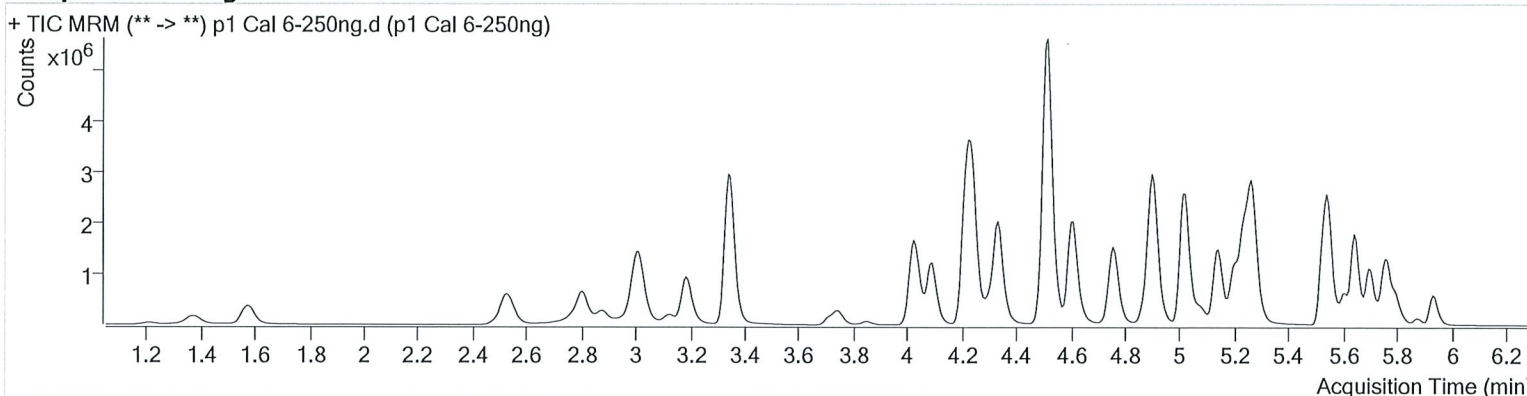
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklsts 3968 3969 TS\QuantResults\MDQ wklst 3969  
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**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 6:49:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	48022	1401.51	70.5	12959.12	43182	25.0173 ng/ml
7-aminoclonazepam	4.231	388395	∞	79.3	9545.70	76438	233.1234 ng/ml
a-hydroxyalprazolam	5.673	107133	514.78	62.2	1441.60	9107	252.3002 ng/ml
alpha-PVP	4.337	2925224	145118.91	50.5	12456.76	522740	250.5623 ng/ml
Alprazolam	5.756	1010216	∞	104.0	3122.08	105430	249.8669 ng/ml
Amphetamine	3.014	2306319	88951.29	53.6	48345.69	149857	213.4967 ng/ml
Benzoylcegonine	3.847	108164	36430.42	7.8	1569.66	16243	248.0226 ng/ml
Buprenorphine	5.814	51555	2121.97	16.1	∞	69399	24.7218 ng/ml
Bupropion	4.759	2412372	276473.09	57.7	2224.76	351167	257.9073 ng/ml
Carisoprodol	5.705	616435	6298.00	54.9	887.28	124380	253.7049 ng/ml
Citalopram	5.202	1575599	2728.45	40.6	1693.81	289337	249.8030 ng/ml
Clonazepam	5.586	189635	11017.00	33.9	657.25	9174	256.8743 ng/ml
Cocaine	4.237	2775682	181176.84	43.1	175769.27	854695	246.9347 ng/ml
Codeine	2.550	300411	6680.45	99.4	2061.94	55085	250.7945 ng/ml
Cyclobenzaprine	5.610	896245	37483.77	10.1	583.51	132551	253.6994 ng/ml
Dextromethorphan	5.245	751796	939.02	79.3	3389.01	138067	250.1490 ng/ml
Dextrorphan	4.093	809618	3337.97	210.1	17279.65	424129	249.7334 ng/ml
Diazepam	5.934	622166	5347.56	87.0	6531.02	122222	249.5237 ng/ml
Dihydrocodeine	2.521	864126	61981.88	67.1	5271.57	220987	240.1019 ng/ml
Diphenhydramine	5.272	3442429	5112.47	33.3	1104.74	1001238	247.1185 ng/ml
Doxylamine	4.514	7225857	236478.06	96.5	12328.02	1249944	281.7487 ng/ml
EDDP	5.237	1794859	41004.00	42.0	49113.94	392640	250.8052 ng/ml
Fentanyl	5.079	99335	6392.50	74.9	496.85	214325	26.0837 ng/ml
Fluoxetine	5.695	926622	3074.87	9.0	2001.74	161229	252.6684 ng/ml
Hydrocodone	2.991	853187	∞	42.3	∞	241160	245.2590 ng/ml
Hydromorphone	1.581	680007	1074.72	78.2	1328.24	104298	251.4931 ng/ml
Ketamine	4.026	2490612	3740.51	37.9	11223.77	493207	251.6109 ng/ml
Lamotrigine	4.254	175060	8613.41	79.6	∞	493207	200.8146 ng/ml
Lorazepam	5.728	71526	644.54	56.9	399.31	9174	264.9723 ng/ml
Meprobamate	4.868	175669	24894.14	26.1	3935.77	38898	256.2442 ng/ml
Methadone	5.641	2139575	3601.08	52.7	4144.54	411506	248.0917 ng/ml
Methamphetamine	3.188	1869135	6135.80	42.6	3990.50	348156	255.1108 ng/ml

# AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	526724	78287.99	95.6	19672.39	1223913	256.3231 ng/ml
Mirtazapine	4.609	3501759	33689.37	49.0	97802.35	522740	273.5893 ng/ml
Mitragynine	5.214	377930	29098.80	39.2	336499.73	411506	259.1822 ng/ml
Morphine	1.213	102117	1067.02	24.0	2147.49	4576	252.1640 ng/ml
Norbuprenorphine	4.970	2774	144.89	88.3	5071.22	5533	25.7342 ng/ml
Nordiazepam	5.874	143276	2071.20	56.9	1548.02	18465	251.2333 ng/ml
Norfentanyl	4.053	368012	11507.78	37.6	1833.64	568039	26.1205 ng/ml
Norhydrocodone	3.039	156827	∞	41.4	425.51	53787	253.4354 ng/ml
Noroxycodone	2.876	557658	2264.81	48.7	895.14	73436	249.9024 ng/ml
O-desmethyl-tramadol	3.348	6143715	289075.30	5.9	3089.68	1330552	254.1216 ng/ml
Oxazepam	5.731	67790	2521.68	69.9	1143.22	17308	257.4601 ng/ml
Oxycodone	2.800	1670409	5104.58	31.8	2844.09	316083	252.3231 ng/ml
Oxymorphone	1.370	458612	679.30	48.5	∞	67344	255.8713 ng/ml
Phentermine	3.745	669558	11428.65	2.4	1277.39	371824	237.5121 ng/ml
Promethazine	5.527	2040496	3703.78	30.3	18093.57	373178	254.0097 ng/ml
Quetiapine	5.544	2640874	239211.41	59.6	56071.14	145430	253.8373 ng/ml
Sertraline	5.770	450523	2404.40	92.3	2637.37	78692	250.0171 ng/ml
Temazepam	5.798	602173	1736.96	29.5	723.89	128669	250.6755 ng/ml
Tramadol	4.219	5382594	4344.64	3.3	3575.09	1223913	256.4137 ng/ml
Trazodone	5.140	2160289	7557.42	79.4	273203.55	384473	251.9829 ng/ml
Venlafaxine	5.020	4303950	13957.27	36.1	4008.32	921221	243.3731 ng/ml
Zolpidem	4.898	5591100	15118.26	30.4	170297.46	1091589	255.9627 ng/ml



# AM #28 Multi-Drug Quant. Results

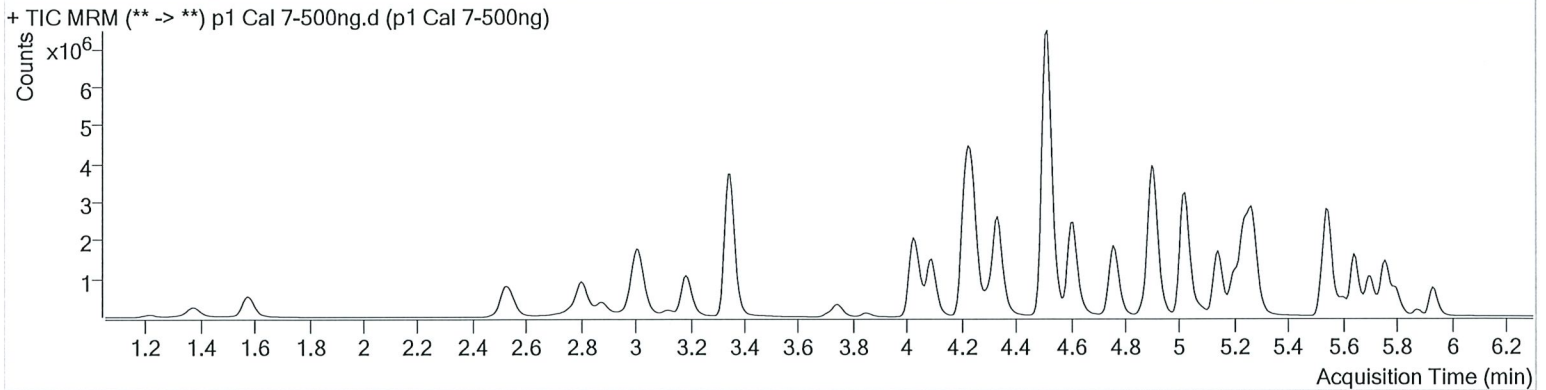


**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklst 3968 3969 TS\QuantResults\MDQ wklst 3969  
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**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 7:00:30 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	71281	2045.50	71.0	2767.92	31805	50.4589 ng/ml
7-aminoclonazepam	4.231	464182	18302.01	80.8	8857.64	51471	414.7985 ng/ml
a-hydroxyalprazolam	5.673	162601	3741.82	61.7	1502.01	6805	512.5699 ng/ml
alpha-PVP	4.337	3971130	491430.98	50.3	37470.79	354805	501.0134 ng/ml
Alprazolam	5.756	1383216	4400.97	103.2	2794.19	73042	493.8389 ng/ml
Amphetamine	3.014	2732940	∞	53.2	77606.87	99126	383.8141 ng/ml
Benzoylcegonine	3.847	164723	2271.07	7.8	980.70	12205	503.2500 ng/ml
Buprenorphine	5.814	46002	∞	16.5	429.09	30967	49.3544 ng/ml
Bupropion	4.759	2971244	249530.34	58.1	74796.50	220018	507.6036 ng/ml
Carisoprodol	5.705	904679	1705.00	54.5	1287.83	93590	494.8306 ng/ml
Citalopram	5.202	1655469	2264.32	41.2	1777.26	152711	497.3576 ng/ml
Clonazepam	5.586	283484	27380.04	34.9	10082.59	7533	468.1726 ng/ml
Cocaine	4.237	3701026	249923.57	43.4	115232.37	566634	496.3530 ng/ml
Codeine	2.550	403066	2320.95	99.5	∞	38808	478.1264 ng/ml
Cyclobenzaprine	5.610	602497	2801.23	10.1	∞	44679	506.0227 ng/ml
Dextromethorphan	5.245	670966	1317.71	79.1	969.40	61688	499.9308 ng/ml
Dextrorphan	4.093	1067731	2628.54	212.1	1318.84	279853	499.2514 ng/ml
Diazepam	5.934	846584	10038.03	87.6	9896.97	86053	482.4656 ng/ml
Dihydrocodeine	2.521	1181111	8636.09	67.2	1458.04	165444	439.2928 ng/ml
Diphenhydramine	5.272	3540876	116482.80	33.4	25365.63	522271	486.8207 ng/ml
Doxylamine	4.514	9958031	37825.60	96.6	222945.27	887585	549.2377 ng/ml
EDDP	5.237	2787549	2967.85	41.9	1921.50	305138	501.2480 ng/ml
Fentanyl	5.079	71352	2621.95	73.8	300957.22	77755	51.7023 ng/ml
Fluoxetine	5.695	503594	41812.88	8.8	∞	44857	494.0745 ng/ml
Hydrocodone	2.991	1274244	201.12	40.8	∞	174388	507.2694 ng/ml
Hydromorphone	1.581	949136	∞	78.5	∞	73709	497.1311 ng/ml
Ketamine	4.026	3451671	59111.32	37.8	1556.31	349023	493.3923 ng/ml
Lamotrigine	4.254	217644	12802.09	78.4	30445.51	349023	353.6947 ng/ml
Lorazepam	5.728	108672	15097.03	57.8	426.90	7533	489.9872 ng/ml
Meprobamate	4.868	246280	1266.11	25.9	410.15	28936	483.8027 ng/ml
Methadone	5.641	2070722	5412.21	52.6	1316.10	199334	495.5427 ng/ml
Methamphetamine	3.188	2160750	26712.32	42.7	43498.36	212418	485.1001 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	679381	28852.73	96.5	45191.99	854490	474.5357 ng/ml
Mirtazapine	4.609	4230669	193366.59	48.6	71576.54	354805	486.6754 ng/ml
Mitragynine	5.214	342103	35445.36	38.9	235778.69	199334	484.7703 ng/ml
Morphine	1.220	151020	1823.71	23.7	2193.64	3499	488.4004 ng/ml
Norbuprenorphine	4.970	2587	145.79	86.7	80.93	2828	46.8497 ng/ml
Nordiazepam	5.881	206113	32424.58	56.7	5592.24	13283	502.4635 ng/ml
Norfentanyl	4.053	526878	87761.70	37.4	31701.87	394050	53.8831 ng/ml
Norhydrocodone	3.039	221301	4159.19	41.8	∞	37852	507.7374 ng/ml
Noroxycodone	2.876	781773	2048.17	47.4	3411.22	51645	498.6080 ng/ml
O-desmethyl-tramadol	3.348	8612632	139778.18	5.9	57244.44	931332	509.1954 ng/ml
Oxazepam	5.731	105759	1874.20	71.6	∞	13373	520.5601 ng/ml
Oxycodone	2.800	2424914	∞	31.9	4047.86	234296	494.6097 ng/ml
Oxymorphone	1.376	640726	∞	47.8	754.97	47076	511.8767 ng/ml
Phentermine	3.745	821810	10445.85	2.4	∞	243965	445.2423 ng/ml
Promethazine	5.527	1359010	2691.01	29.6	1072.88	125587	503.0503 ng/ml
Quetiapine	5.544	3501634	170750.99	59.3	95277.34	99120	494.5654 ng/ml
Sertraline	5.770	226957	2138.02	91.4	2584.20	19636	505.5579 ng/ml
Temazepam	5.798	867828	4573.66	29.6	5561.17	91423	508.7023 ng/ml
Tramadol	4.219	7192751	175166.29	3.3	758.63	854490	491.8844 ng/ml
Trazodone	5.140	2494540	∞	78.5	676.43	221364	506.1254 ng/ml
Venlafaxine	5.020	5811751	5708.23	35.4	5462.41	606322	499.0006 ng/ml
Zolpidem	4.898	7839555	169791.80	30.0	65771.46	780898	502.3301 ng/ml



# AM #28 Multi-Drug Quant. Results

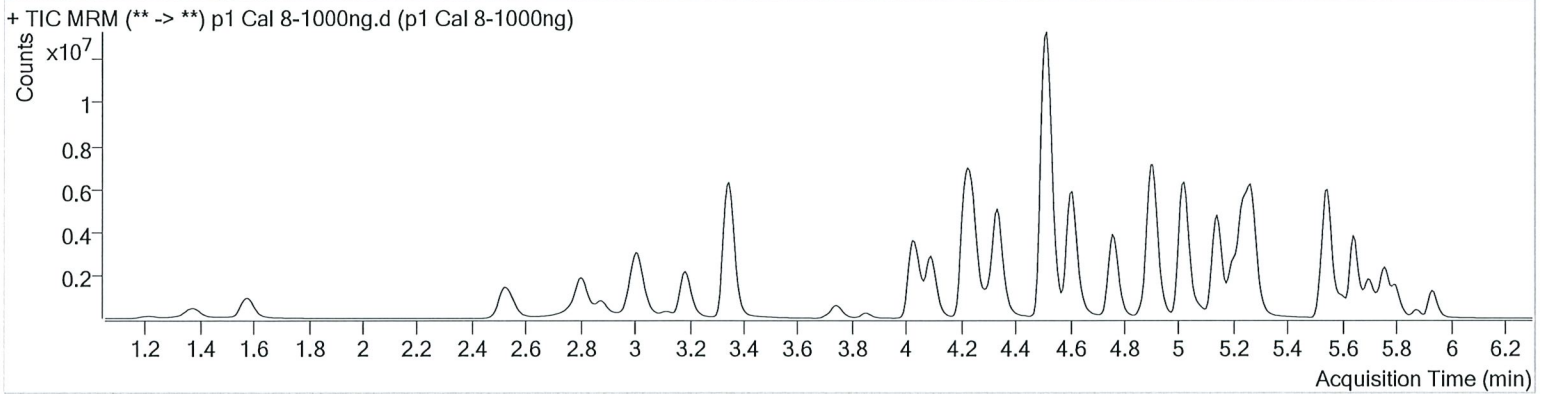


**Batch results** D:\MassHunter\Data\2020\AM 27-28\012920 AM 27 28 wklists 3968 3969 TS\QuantResults\MDQ wklist 3969  
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**Calibration Last Update** 1/30/2020 9:29:02 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	MDQ P1 01112020.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P1-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/29/2020 7:11:04 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	168215	4369.70	72.0	18868.75	36054	105.0891 ng/ml
7-aminoclonazepam	4.231	497117	8748.61	81.4	26788.86	34217	669.0655 ng/ml
a-hydroxyalprazolam	5.673	413491	4110.94	61.8	1887.31	8219	1079.2439 ng/ml
alpha-PVP	4.337	8358088	480856.31	50.2	1567.56	373754	1000.8925 ng/ml
Alprazolam	5.756	2477066	3196.86	100.8	∞	64069	1008.2346 ng/ml
Amphetamine	3.014	4642804	67488.01	52.4	152430.61	120405	537.4818 ng/ml
Benzoylcegonine	3.847	400685	45882.69	7.7	2575.31	13607	1098.6293 ng/ml
Buprenorphine	5.821	101535	1371.01	16.0	1274.76	29776	113.1847 ng/ml
Bupropion	4.759	6473329	520323.12	57.5	526457.00	247913	982.0348 ng/ml
Carisoprodol	5.705	1678739	846.23	53.8	936.16	86206	996.8672 ng/ml
Citalopram	5.202	3807927	23576.82	40.6	3264.88	173856	1004.9649 ng/ml
Clonazepam	5.586	642914	78085.18	33.2	29456.74	8282	966.3932 ng/ml
Cocaine	4.237	6654973	180104.76	43.1	184276.24	500071	1011.0174 ng/ml
Codeine	2.550	774843	970.39	99.9	1269.19	39316	907.7396 ng/ml
Cyclobenzaprine	5.610	1150970	70311.60	9.8	19798.75	42003	1028.2954 ng/ml
Dextromethorphan	5.245	1262934	15159.66	79.7	14703.04	58009	1000.9456 ng/ml
Dextrorphan	4.093	2254387	4390.81	212.3	175698.01	294168	1002.9233 ng/ml
Diazepam	5.934	1587199	1186.63	86.8	23518.56	80712	964.6439 ng/ml
Dihydrocodeine	2.521	2335627	93325.89	67.2	64526.14	204185	704.5558 ng/ml
Diphenhydramine	5.272	8242453	3146.14	33.0	1638.52	579229	1021.2496 ng/ml
Doxylamine	4.516	19983905	550486.88	97.5	338875.07	1084006	904.1649 ng/ml
EDDP	5.237	7061740	3010.06	41.5	53595.14	375107	1032.9932 ng/ml
Fentanyl	5.079	175870	16842.95	74.4	462768.02	98360	100.7965 ng/ml
Fluoxetine	5.695	616549	1396.31	8.9	∞	27107	1001.5714 ng/ml
Hydrocodone	2.991	2720131	476.69	42.5	∞	208004	908.3943 ng/ml
Hydromorphone	1.581	1928364	869.85	78.0	589.45	74607	998.3067 ng/ml
Ketamine	4.026	6862350	139825.48	37.3	21921.89	381977	896.8453 ng/ml
Lamotrigine	4.261	303853	19084.65	79.6	30143.68	381977	451.5189 ng/ml
Lorazepam	5.728	316192	11840.14	56.4	3823.66	8282	1296.1199 ng/ml
Meprobamate	4.868	495050	58991.48	25.8	15037.71	34198	823.5578 ng/ml
Methadone	5.641	5205593	440049.94	51.5	59775.58	246149	1008.6757 ng/ml
Methamphetamine	3.188	4599321	5349.25	42.3	129967.60	265199	828.4336 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.299	1248329	3815.73	97.0	∞	929390	802.4707 ng/ml
Mirtazapine	4.609	10658496	232500.38	48.5	309113.05	373754	1163.3818 ng/ml
Mitragynine	5.214	712252	87076.65	39.6	29310.13	246149	817.6710 ng/ml
Morphine	1.213	302348	21548.83	23.7	14822.62	3397	1007.8086 ng/ml
Norbuprenorphine	4.970	6559	199.15	84.5	541.32	3404	98.5106 ng/ml
Nordiazepam	5.874	469518	1932.43	57.9	2448.54	15276	995.3516 ng/ml
Norfentanyl	4.061	1206270	43275.81	37.2	22654.47	381608	127.3532 ng/ml
Norhydrocodone	3.039	507725	3097.41	41.5	∞	39057	1128.4125 ng/ml
Noroxycodone	2.876	1658966	∞	47.7	∞	56686	964.4155 ng/ml
O-desmethyl-tramadol	3.348	16824589	170669.65	6.0	50783.21	935771	990.2167 ng/ml
Oxazepam	5.731	311695	11297.57	70.2	3715.97	21181	969.2934 ng/ml
Oxycodone	2.800	5567475	∞	31.7	∞	280496	948.9903 ng/ml
Oxymorphone	1.376	1372868	1164.58	48.3	1554.60	55487	930.9141 ng/ml
Phentermine	3.745	1667587	40511.58	2.4	1483.17	305360	722.4884 ng/ml
Promethazine	5.527	2386018	10568.86	30.1	2741.10	111758	992.8461 ng/ml
Quetiapine	5.544	8303022	321152.54	59.6	155883.93	133945	868.3970 ng/ml
Sertraline	5.770	226872	1287.60	90.8	2843.82	9967	996.4375 ng/ml
Temazepam	5.798	2032250	3003.30	29.7	1770.35	106859	1019.4445 ng/ml
Tramadol	4.213	13214526	579320.89	3.3	1464.25	929390	831.6926 ng/ml
Trazodone	5.140	7218650	473559.17	79.2	38259.76	370640	875.2872 ng/ml
Venlafaxine	5.020	12685463	631031.35	35.6	3165.77	652247	1012.1876 ng/ml
Zolpidem	4.905	15598454	6595.08	30.5	260657.19	885405	882.0217 ng/ml