

**REVIEWED**

By Tamara Salazar at 3:42 pm, Aug 20, 2020

SJ  
8/20/2020

**Worklist: 4436**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-2766	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2823	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2873	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2877	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2912	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2166	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2174	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2191	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2237	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2274	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2292	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2293	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2294	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2295	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2305	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2308	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2368	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2369	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2370	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2371	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2372	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

55 P

Extraction Date: 08/18/20  
Plate lot#: IDP-111-2-200513

Analyst: Sarah Pickle  
Plate Expiration: 11/13/20

**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:** Hemostat 445283-4

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

**LCMS-QQQ ID:** 069901

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250 µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL 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)*
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. *(12-15 PSI- Selector to the left)*.
- 12. Add **900 µL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(12-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 20% LCMS MeOH in water** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

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

COMMENTS: *Hands of the analyst Sophie Jackson.*

*Curves limited: Amphetamine 5-500, Buprenorphine 2.5-100, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-500, Mirtazapine 5-250, Norbuprenorphine 5-100.*

*Did not evaluate Cyclobenzaprine, Fentanyl, Fluoxetine, and Sertraline.*

*QC 10 reinjected due to high accuracy in initial injection.*

*Samples were inadvertently left on lab bench overnight unrefrigerated (8/12/20-8/13/20).*

SJ AS

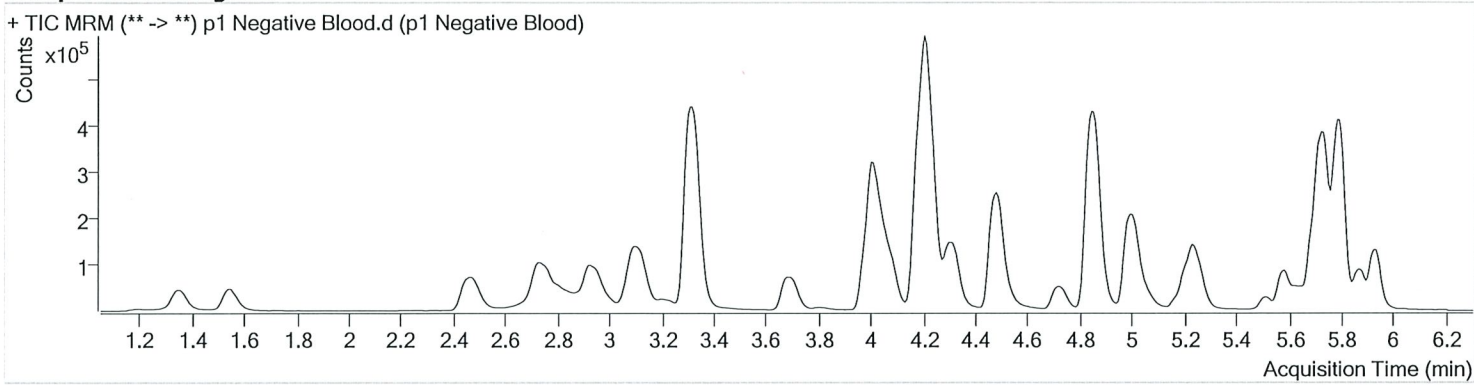


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
Calibration Last Update 8/20/2020 10:15:23 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 8:04:22 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Cyclobenzaprine	5.605	2873	117.55	11.2	10.60	16579	7.3076 ng/ml
* Fentanyl	5.047	313	49.79	62.1	207.57	26850	0.4958 ng/ml
* Fluoxetine	5.697	4106	57.89	7.3	10.40	12245	12.0292 ng/ml
Promethazine	5.515	3352	136.29	32.6	20.07	40948	3.7989 ng/ml
* Sertraline	5.765	2550	23.94	92.1	116.94	6831	14.4911 ng/ml

\* Compounds not evaluated

55 P

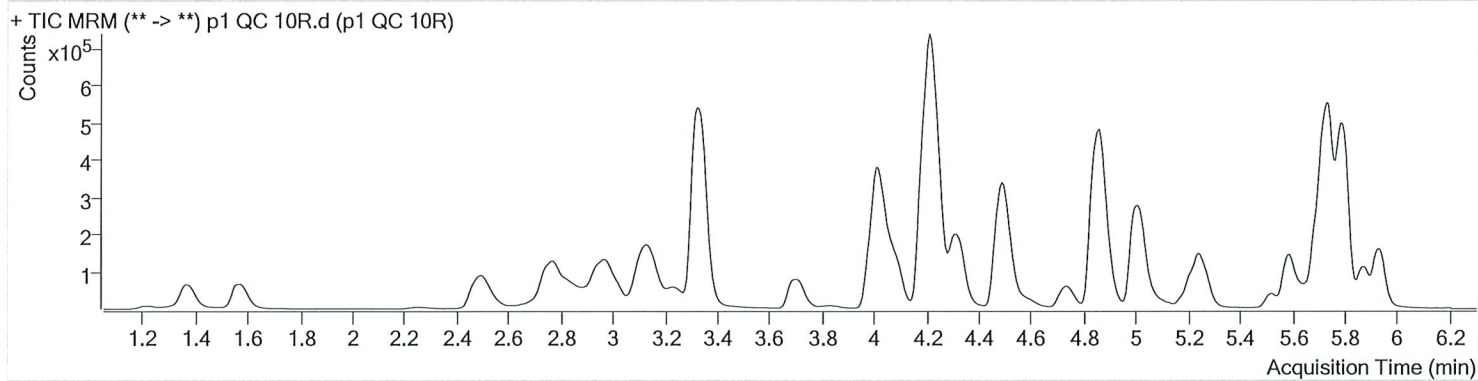


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Calibration Last Update 8/20/2020 10:15:23 AM

**Instrument** Falco **Data File** p1 QC 10R.d  
**Type** QC **Sample** p1 QC 10R  
**Acq. Method** MDQ P1 060520.m **Operator** Sarah Pickle  
**Sample Position** P1-H11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/19/2020 11:31:03 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	3661	623.57	68.1	119.74	76672	0.9929 ng/ml
7-aminoclonazepam	4.230	61005	91.87	83.9	∞	235056	9.7573 ng/ml
a-hydroxyalprazolam	5.674	32865	724.36	63.1	795.88	80362	9.7750 ng/ml
alpha-PHP	4.902	17952	1003.31	249.1	47825.85	513762	9.2402 ng/ml
alpha-PVP	4.322	118454	1427.84	50.8	787.05	513762	10.0977 ng/ml
Alprazolam	5.758	114637	764.91	105.7	1057.28	333328	10.2894 ng/ml
Amphetamine	2.990	122011	∞	54.4	444.82	133056	9.6720 ng/ml
Benzoylcegonine	3.845	7084	104.68	8.1	∞	18918	13.1086 ng/ml
Bupropion	4.746	48958	366.78	60.5	461.11	159741	10.0344 ng/ml
Carisoprodol	5.707	91877	10171.85	54.7	693.54	441499	9.8456 ng/ml
Citalopram	5.190	20236	1197.92	43.6	10774.29	83697	11.1144 ng/ml
Clonazepam	5.588	142115	2166.05	32.4	2881.17	166608	9.8474 ng/ml
Cocaine	4.229	148755	1825.89	47.3	587.13	1084691	10.0680 ng/ml
Codeine	2.543	19077	387.61	100.2	∞	89874	9.8042 ng/ml
<del>Cyclobenzaprine</del>	<del>5.605</del>	<del>7166</del>	<del>633.64</del>	<del>9.2</del>	<del>24.35</del>	<del>21831</del>	<del>13.5264 ng/ml</del>
Dextromethorphan	5.233	8677	∞	85.1	192.30	34536	11.7248 ng/ml
Dextrorphan	4.084	26136	2224.53	219.1	545.79	342689	9.5806 ng/ml
Diazepam	5.936	71634	504.11	88.8	2381.54	341175	10.0313 ng/ml
Dihydrocodeine	2.502	49369	1845.58	64.6	1872.15	266265	9.9611 ng/ml
Diphenhydramine	5.260	43733	190.78	33.2	263.38	280734	10.9808 ng/ml
Doxylamine	4.500	232345	13782.26	94.7	25710.24	965776	10.1349 ng/ml
EDDP	5.225	34189	218.07	44.5	663.23	183718	9.8429 ng/ml
<del>Fentanyl</del>	<del>5.047</del>	<del>1226</del>	<del>207.65</del>	<del>57.5</del>	<del>128.25</del>	<del>30966</del>	<del>1.7679 ng/ml</del>
<del>Fluoxetine</del>	<del>5.697</del>	<del>7063</del>	<del>114.28</del>	<del>7.1</del>	<del>1112.11</del>	<del>20157</del>	<del>12.6615 ng/ml</del>
Hydrocodone	2.973	62574	199.33	37.2	∞	371176	10.1679 ng/ml
Hydromorphone	1.574	58048	326.83	74.8	214.92	181024	10.2246 ng/ml
Ketamine	4.010	127420	3446.48	38.6	244.51	562118	9.7650 ng/ml
Lamotrigine	4.246	10998	812.20	84.7	∞	562118	10.3669 ng/ml
Lorazepam	5.729	116621	∞	55.8	∞	166608	9.8432 ng/ml
MDA	3.143	104299	∞	20.1	343.45	228715	10.2543 ng/ml
MDMA	3.244	79302	69663.31	66.7	1271.79	74969	9.9852 ng/ml
Meprobamate	4.876	42261	∞	25.1	249.28	198427	11.3722 ng/ml
Methadone	5.636	22920	383.95	53.5	108.11	93486	11.7366 ng/ml

\* Did not evaluate  
 P 55  
 P 55  
 P 55

p1 QC 10R

Generated at 11:42 AM on 8/20/2020

\* Did not evaluate

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.171	84907	187.32	41.8	229.19	371088	10.8237 ng/ml
Metoprolol	4.292	22006	28905.01	97.2	∞	1464855	9.6045 ng/ml
Mirtazapine	4.589	38839	7487.80	46.9	289.46	513762	8.0004 ng/ml
Mitragynine	5.201	2925	1722.96	38.7	1623.89	93486	8.8186 ng/ml
Morphine	1.220	10570	1039.78	21.9	95.82	12024	9.8632 ng/ml
Nordiazepam	5.882	67031	576.48	58.2	491.61	214814	10.0867 ng/ml
Norfentanyl	4.051	19379	778.62	37.6	153.49	878713	0.9817 ng/ml
Norhydrocodone	3.021	6172	78.70	43.3	54.10	67744	9.6228 ng/ml
Noroxycodone	2.858	57007	500.28	49.5	1724.07	189314	10.4527 ng/ml
O-desmethyl-tramadol	3.330	341066	9290.47	6.2	266.90	1812723	9.7813 ng/ml
Oxazepam	5.739	132932	1250.27	71.2	382.34	761173	10.3584 ng/ml
Oxycodone	2.782	133996	5721.60	30.8	329.51	551890	10.1231 ng/ml
Oxymorphone	1.370	56168	∞	48.1	619.56	199417	9.8077 ng/ml
Phentermine	3.736	25079	441.89	3.1	7.80 <b>Low</b>	322892	10.8971 ng/ml
Promethazine	5.515	10932	158.77	32.9	267.41	49673	9.7359 ng/ml
Quetiapine	5.532	23714	2207.76	60.6	49426.68	27648	10.7478 ng/ml
<del>Sertraline</del>	<del>5.765</del>	<del>3490</del>	<del>112.06</del>	<del>89.0</del>	<del>522.83</del>	<del>11683</del>	<del>11.5105 ng/ml</del>
Temazepam	5.799	226824	2065.50	28.3	444.49	1089807	10.2093 ng/ml
Tramadol	4.211	289649	808.35	3.3	187.31	1464855	9.8678 ng/ml
Trazodone	5.107	23210	∞	76.5	1515.53	78785	11.9786 ng/ml
Venlafaxine	5.008	167738	529.03	35.8	291.04	838052	10.7021 ng/ml
Zolpidem	4.872	294360	23446.23	30.5	918.65	1395846	10.0981 ng/ml

\*Did not evaluate

\*Did not evaluate

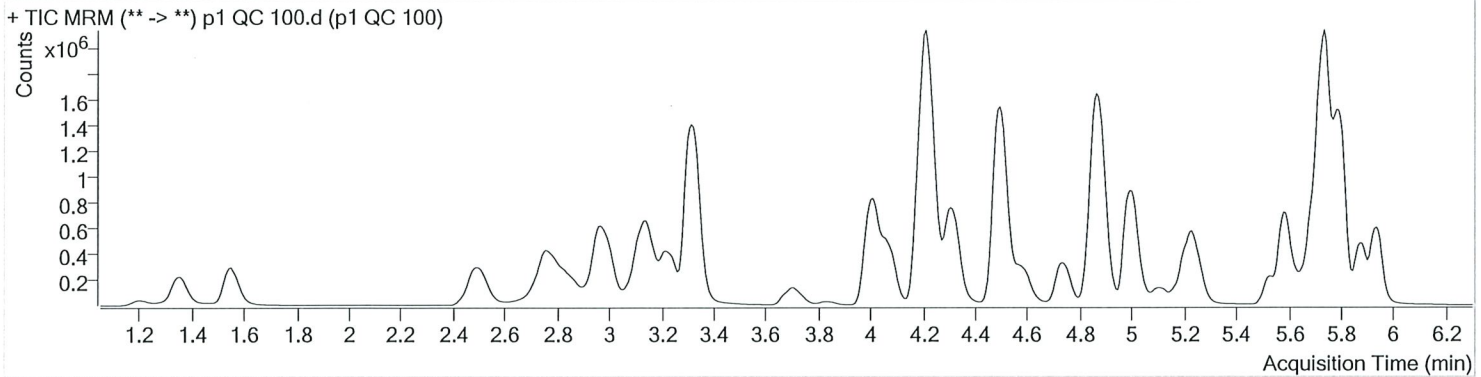
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Calibration Last Update 8/20/2020 10:15:23 AM

Instrument Falco Data File p1 QC 100.d  
 Type QC Sample p1 QC 100  
 Acq. Method MDQ P1 060520.m Operator Sarah Pickle  
 Sample Position P1-G11 Comment  
 Injection Volume 2  
 Acq. Date-Time 8/18/2020 6:50:08 PM  
 Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	36540	510.19	74.4	3002.72	76022	10.2292 ng/ml
7-aminoclonazepam	4.223	581626	22343.45	82.3	19108.84	209124	107.9120 ng/ml
a-hydroxylalprazolam	5.674	327429	1546.06	60.9	924.56	77531	105.3402 ng/ml
alpha-PHP	4.888	205163	2343.64	262.4	27213.57	537226	106.3458 ng/ml
alpha-PVP	4.315	1284865	1680.21	50.4	25697.11	537226	101.4084 ng/ml
Alprazolam	5.758	1125295	1631.56	107.2	3313.91	301848	103.9523 ng/ml
Amphetamine	2.970	1334946	10484.30	49.1	6933.24	134186	109.8709 ng/ml
Benzoylcegonine	3.838	58035	2942.54	7.9	184.00	19005	106.1111 ng/ml
Buprenorphine	5.829	7576	64.77	15.7	82.57	30081	9.7749 ng/ml
Bupropion	4.739	681547	29903.92	60.4	1662.18	216448	103.9299 ng/ml
Carisoprodol	5.707	903708	23941.66	55.3	11711.49	416719	104.8457 ng/ml
Citalopram	5.183	244458	1229.68	43.1	1669.80	107481	102.7320 ng/ml
Clonazepam	5.588	1442560	1911.54	32.7	477.56	164052	104.4255 ng/ml
Cocaine	4.223	1623589	26682.99	45.2	30962.87	1112567	103.9819 ng/ml
Codeine	2.516	191804	301.72	103.2	122758.99	85403	105.9182 ng/ml
Cyclobenzaprine	5.605	45499	2201.96	9.6	67.51	15895	115.2273 ng/ml *
Dextromethorphan	5.226	91208	524.70	80.1	1995.70	39916	106.2666 ng/ml
Dextrorphan	4.070	325347	2798.12	208.6	38863.60	392500	103.2866 ng/ml
Diazepam	5.936	771103	12353.59	87.0	923.40	349847	103.4114 ng/ml
Dihydrocodeine	2.488	514202	11329.55	63.1	449.29	262719	109.0332 ng/ml
Diphenhydramine	5.253	516084	1155.55	33.0	3583.03	337690	103.2646 ng/ml
Doxylamine	4.494	2690798	114007.95	98.4	196710.64	1082926	102.9461 ng/ml
EDDP	5.218	603266	1520.06	42.4	818.63	310000	102.3341 ng/ml
Fentanyl	5.053	6262	513.17	70.1	∞	27279	10.4108 ng/ml *
Fluoxetine	5.697	33031	967.64	9.2	4967.62	10977	124.0262 ng/ml *
Hydrocodone	2.959	628790	514.75	37.4	891.08	361749	110.5118 ng/ml
Hydromorphone	1.553	588306	241.61	72.8	∞	184651	103.1920 ng/ml
Ketamine	4.003	1308043	2830.49	40.1	618.47	543521	106.3621 ng/ml
Lamotrigine	4.232	116940	2272.93	79.8	1864.92	543521	116.8316 ng/ml
Lorazepam	5.729	1068581	∞	53.7	9418.50	164052	98.5529 ng/ml
MDA	3.130	1155627	4913.02	20.8	1099.36	242286	109.3935 ng/ml
MDMA	3.231	932796	35867.50	64.3	43156.60	82880	105.7652 ng/ml
Meprobamate	4.862	391562	856.84	26.6	361.27	203316	106.9890 ng/ml

p1 QC 100

Generated at 11:42 AM on 8/20/2020

\* Did not evaluate

Handwritten notes and signatures on the right margin, including "55" at the top and "8/20/20" and "55" near the bottom.



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	252964	327.65	52.8	541.14	113919	104.8189 ng/ml
Methamphetamine	3.165	827297	818.14	41.6	591.56	382782	110.5200 ng/ml
Metoprolol	4.285	227730	17004.26	97.9	7163.71	1457326	103.7207 ng/ml
Mirtazapine	4.589	553919	3885.38	49.1	5355.04	537226	101.9612 ng/ml
Mitragynine	5.188	41047	3286.45	38.1	48360.88	113919	104.3166 ng/ml
Morphine	1.200	106829	1880.98	22.4	362.08	11023	111.0422 ng/ml
Norbuprenorphine	4.951	1061	36.04	95.0	1277.84	4497	10.9932 ng/ml
Nordiazepam	5.882	740163	3241.94	59.0	1630.56	227492	106.1111 ng/ml
Norfentanyl	4.037	202834	2789.15	37.5	250.18	873841	10.1531 ng/ml
Norhydrocodone	3.014	58897	391.07	42.6	199.02	59266	94.8560 ng/ml
Noroxycodone	2.838	580792	2118.18	47.9	2276.22	183615	110.3353 ng/ml
O-desmethyl-tramadol	3.317	3612983	8184.15	6.1	1142.57	1787309	103.6079 ng/ml
Oxazepam	5.732	1197813	21545.22	73.6	9183.57	685439	105.8688 ng/ml
Oxycodone	2.762	1408951	5269.74	30.3	1858.07	564297	106.5127 ng/ml
Oxymorphone	1.350	546466	∞	48.1	∞	194134	102.3525 ng/ml
Phentermine	3.723	277736	∞	3.2	∞	353306	110.0022 ng/ml
Promethazine	5.515	105922	368.17	30.8	1018.47	40129	113.6623 ng/ml
Quetiapine	5.532	345298	6969.16	58.3	3830.63	39217	110.5110 ng/ml
<del>Sertraline</del>	<del>5.765</del>	<del>15755</del>	<del>1645.72</del>	<del>96.7</del>	<del>628.35</del>	<del>5109</del>	<del>122.9219 ng/ml</del> *
Temazepam	5.799	2276653	43782.94	30.3	1443.57	1067428	101.0821 ng/ml
Tramadol	4.197	2960397	6385.49	3.4	1553.30	1457326	103.8680 ng/ml
Trazodone	5.114	263675	10437.94	78.3	17698.30	102408	103.7716 ng/ml
Venlafaxine	4.994	1844358	7869.82	36.4	2626.88	868852	108.2528 ng/ml
Zolpidem	4.872	3245656	80109.74	30.9	55901.43	1488466	105.4183 ng/ml

\* Did not evaluate

2/15/2018

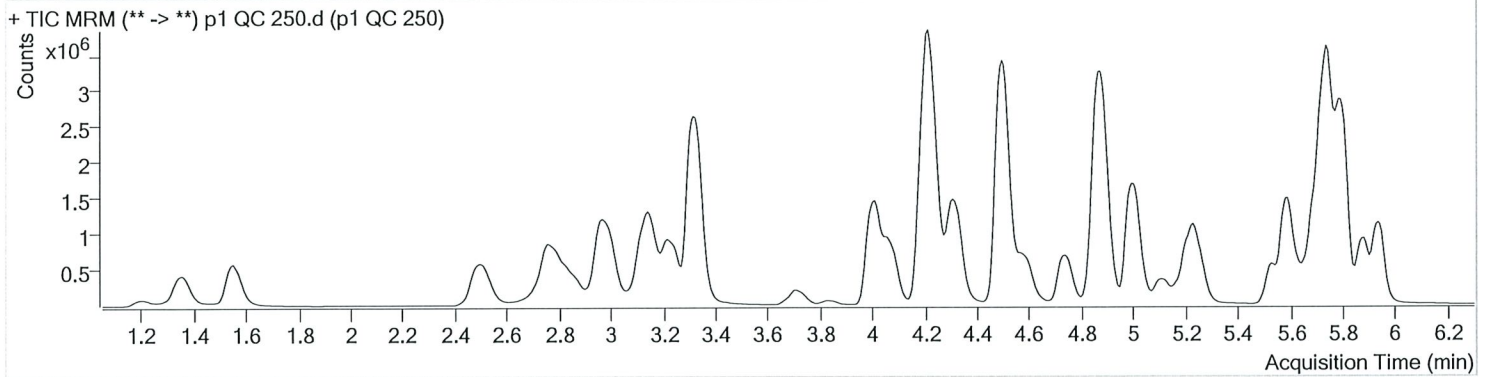


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
Calibration Last Update 8/20/2020 10:15:23 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 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-F11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 7:11:20 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	86647	1721.62	71.6	∞	73396	25.1619 ng/ml
7-aminoclonazepam	4.230	1204670	11805.22	83.5	14961.57	184309	254.0662 ng/ml
a-hydroxyalprazolam	5.668	702726	1017.59	60.8	∞	68707	255.7880 ng/ml
alpha-PHP	4.888	437776	24019.00	266.2	21018.82	497818	245.5865 ng/ml
alpha-PVP	4.315	2849644	2628.41	50.3	2648.78	497818	242.2172 ng/ml
Alprazolam	5.758	2374976	4489.50	107.8	1385.95	263417	250.3110 ng/ml
Amphetamine	2.997	2796910	17736.82	49.9	11174.95	128116	241.7007 ng/ml
Benzoylcegonine	3.831	143389	3988.28	7.7	532.82	19099	260.7296 ng/ml
Buprenorphine	5.829	17540	399.90	16.3	144.90	26960	23.7825 ng/ml
Bupropion	4.739	1571738	2369.52	59.9	1608.20	209762	247.4407 ng/ml
Carisoprodol	5.700	1854910	3800802.61	54.2	1172.57	358077	250.7760 ng/ml
Citalopram	5.183	589038	998.80	42.3	447.37	105805	251.1457 ng/ml
Clonazepam	5.588	3181485	∞	32.9	16020.87	153657	246.3080 ng/ml
Cocaine	4.223	3575117	211526.58	44.7	254103.61	1008132	252.2183 ng/ml
Codeine	2.523	413300	427.69	101.9	832.18	77256	252.6181 ng/ml
Cyclobenzaprine	5.605	160065	250099.04	9.7	420.74	25040	256.8758 ng/ml*
Dextromethorphan	5.226	234324	626.88	78.9	756.46	43962	247.8248 ng/ml
Dextrorphan	4.070	715269	2469.63	209.9	43085.10	365667	243.6208 ng/ml
Diazepam	5.943	1690219	13829.24	86.6	2586.35	315676	250.9243 ng/ml
Dihydrocodeine	2.488	1140590	1401.88	63.8	847.35	247432	257.3478 ng/ml
Diphenhydramine	5.253	1244179	26571.74	32.9	487.62	336161	249.3634 ng/ml
Doxylamine	4.494	6452860	106985.13	97.6	101067.73	1065720	250.5966 ng/ml
EDDP	5.218	1357682	1145.82	43.3	8413.96	293191	243.4253 ng/ml
Fentanyl	5.060	19896	∞	67.3	∞	36410	24.8319 ng/ml*
Fluoxetine	5.690	135852	7744.49	8.7	7368.15	21333	264.7248 ng/ml*
Hydrocodone	2.953	1359948	3673.80	37.5	730.39	340374	254.8166 ng/ml
Hydromorphone	1.553	1267347	∞	75.2	∞	165689	247.9908 ng/ml
Ketamine	4.003	2974251	3098.25	39.6	2014.86	519507	253.4129 ng/ml
Lamotrigine	4.239	233955	6123.36	80.1	9434.59	519507	244.8512 ng/ml
Lorazepam	5.729	1743596	3875.85	54.8	16925.33	153657	172.3081 ng/ml**
MDA	3.123	2485655	24961.80	20.7	4114.69	219524	260.0040 ng/ml
MDMA	3.231	2108602	82807.19	64.6	11403.76	77310	256.2399 ng/ml
Meprobamate	4.862	790743	44222.70	26.3	532.99	179777	245.0130 ng/ml

p1 QC 250

\* Did not evaluate

\*\* Outside curve range

Generated at 11:42 AM on 8/20/2020

Handwritten notes: 8/20/2020, 5:55, 8/20/2020



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	653874	2439.14	51.0	11459.61	126116	244.4916 ng/ml
Methamphetamine	3.158	1775682	838.32	41.5	2405.47	356806	255.7631 ng/ml
Metoprolol	4.285	504707	994225.00	95.2	∞	1372086	244.7010 ng/ml
Mirtazapine	4.589	1349978	61714.89	49.4	74343.80	497818	267.2416 ng/ml
Mitragynine	5.188	102556	12087.94	39.4	25581.65	126116	235.7634 ng/ml
Morphine	1.200	230387	4110.32	23.0	465.57	10446	253.0068 ng/ml
Norbuprenorphine	4.950	2490	102.01	89.2	∞	4310	26.2305 ng/ml
Nordiazepam	5.882	1592369	2063.32	58.9	1554.97	206143	252.0642 ng/ml
Norfentanyl	4.037	488595	33972.47	36.8	2746.84	874138	24.4225 ng/ml
Norhydrocodone	3.021	124268	209.85	42.8	204.26	46394	253.9370 ng/ml
Noroxycodone	2.838	1215212	8029.79	48.7	10068.79	163057	260.0418 ng/ml
O-desmethyl-tramadol	3.323	8414090	372077.93	5.9	7260.63	1691607	254.7159 ng/ml
Oxazepam	5.732	2277218	47179.50	71.5	∞	531835	259.7608 ng/ml
Oxycodone	2.755	3213040	7003.83	30.6	∞	539844	254.2587 ng/ml
Oxymorphone	1.350	1228794	∞	45.2	∞	171670	261.0133 ng/ml
Phentermine	3.723	617056	∞	3.2	628.78	327408	263.6836 ng/ml
Promethazine	5.515	350944	904.63	31.1	1404.48	62112	242.9799 ng/ml
Quetiapine	5.532	857794	2892948.26	59.6	∞	43410	248.0435 ng/ml
Sertraline	5.765	62536	957.28	94.8	547.51	10026	249.0667 ng/ml*
Temazepam	5.801	5113144	3063.34	29.6	1815.11	967657	249.8627 ng/ml
Tramadol	4.199	6511368	∞	3.4	524.02	1372086	243.0086 ng/ml
Trazodone	5.107	746464	3550.52	77.6	76081.15	117238	256.4398 ng/ml
Venlafaxine	5.001	4159455	4173.05	36.8	2671.37	817019	258.8589 ng/ml
Zolpidem	4.872	7543573	4583.20	30.4	52783.64	1445074	252.5209 ng/ml

\* Did not evaluate

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06/20/20

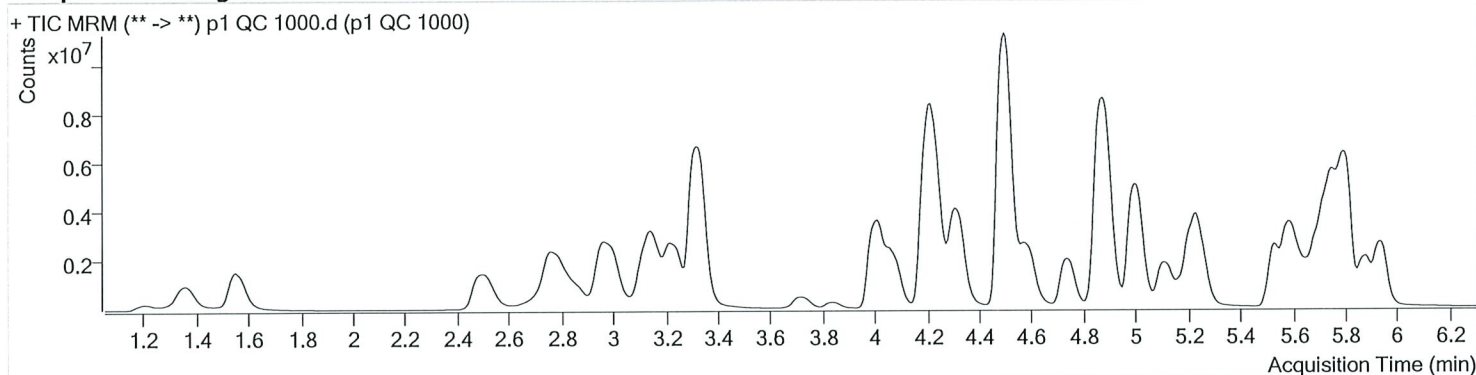
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 AM

**Instrument** Falco **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** MDQ P1 060520.m **Operator** Sarah Pickle  
**Sample Position** P1-E11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/18/2020 7:32:33 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	295877	5343.69	71.8	2342.43	64075	98.4960 ng/ml
7-aminoclonazepam	4.237	2221922	22038.06	80.8	252.39	95015	909.8829 ng/ml
a-hydroxyalprazolam	5.668	1661206	2710.97	61.6	4512.91	43650	953.0615 ng/ml
alpha-PHP	4.895	1177729	23798.62	265.5	15940.24	378882	869.4574 ng/ml
alpha-PVP	4.322	8977960	283050.53	49.3	198875.26	378882	1001.5539 ng/ml
Alprazolam	5.757	5921624	∞	107.2	∞	161576	1015.1210 ng/ml
<b>Amphetamine</b>	<b>2.997</b>	<b>6872885</b>	<b>57976.75</b>	<b>50.2</b>	<b>18517.22</b>	<b>98517</b>	<b>773.4761 ng/ml</b> **
Benzoylcegonine	3.831	629486	12923.06	7.7	3602.22	18508	1180.7974 ng/ml
Buprenorphine	5.829	61803	3351.59	15.9	2659.77	21311	102.8011 ng/ml
Bupropion	4.742	4833487	97744.57	59.6	4145.94	160109	997.1977 ng/ml
Carisoprodol	5.700	3804450	1115770.96	54.3	10515.66	190926	965.3192 ng/ml
Citalopram	5.176	2089739	1659.16	43.1	927.34	93238	1010.4334 ng/ml
Clonazepam	5.588	7949282	136519.83	32.0	110836.85	98393	961.9975 ng/ml
Cocaine	4.229	10011330	235974.76	43.7	302975.79	682875	1041.6634 ng/ml
Codeine	2.530	1086181	5661.43	103.1	13001.90	52311	981.1429 ng/ml
<b>Cyclobenzaprine</b>	<b>5.598</b>	<b>792846</b>	<b>14281.15</b>	<b>9.8</b>	<b>786.64</b>	<b>31571</b>	<b>1008.1510 ng/ml*</b>
Dextromethorphan	5.219	843307	24086.29	79.9	5605.90	39123	1002.0684 ng/ml
Dextropropion	4.077	2092353	88370.61	212.6	2799.73	262306	993.2128 ng/ml
Diazepam	5.936	4574847	47255.26	86.6	∞	211452	1013.3184 ng/ml
Dihydrocodeine	2.481	3337982	45701.92	65.4	56668.69	208908	893.0234 ng/ml
Diphenhydramine	5.253	4551437	168630.21	32.6	712.21	304041	1007.0480 ng/ml
Doxylamine	4.494	23056179	413735.60	97.8	542646.57	936053	1018.8510 ng/ml
EDDP	5.218	5719195	56773.94	42.4	1702.07	297110	1011.6982 ng/ml
<b>Fentanyl</b>	<b>5.053</b>	<b>92524</b>	<b>∞</b>	<b>67.5</b>	<b>217851.48</b>	<b>41812</b>	<b>100.6631 ng/ml*</b>
<b>Fluoxetine</b>	<b>5.690</b>	<b>554013</b>	<b>47564.85</b>	<b>8.9</b>	<b>408233.67</b>	<b>22005</b>	<b>1052.5197 ng/ml*</b>
Hydrocodone	2.945	3777111	∞	38.9	3378.86	263667	915.1962 ng/ml
Hydromorphone	1.561	3751116	∞	76.2	∞	125964	966.0079 ng/ml
Ketamine	4.003	9301812	6452.58	38.7	126562.24	417857	986.1396 ng/ml
<b>Lamotrigine</b>	<b>4.246</b>	<b>452001</b>	<b>19389.21</b>	<b>80.2</b>	<b>4139.11</b>	<b>417857</b>	<b>588.5274 ng/ml**</b>
<b>Lorazepam</b>	<b>5.722</b>	<b>1942942</b>	<b>∞</b>	<b>55.9</b>	<b>6895.88</b>	<b>98393</b>	<b>300.4722 ng/ml**</b>
MDA	3.116	6057473	105515.21	19.9	13630.87	141981	980.3030 ng/ml
MDMA	3.231	6629248	1992709.77	63.9	115421.41	60188	1034.6241 ng/ml
<b>Meprobamate</b>	<b>4.849</b>	<b>1404111</b>	<b>9502.13</b>	<b>25.7</b>	<b>14818.73</b>	<b>106564</b>	<b>735.0042 ng/ml**</b>

p1 QC 1000

\* Did not evaluate

\*\* Outside curve range

Generated at 11:42 AM on 8/20/2020

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	2694994	66701.24	51.9	1436.26	129292	982.3770 ng/ml
Methamphetamine	3.151	5377759	17347.24	41.3	∞	291399	951.1153 ng/ml
Metoprolol	4.278	1325685	23845.08	95.7	15014.69	961459	918.3638 ng/ml
<del>Mirtazapine</del>	<del>4.589</del>	<del>5470618</del>	<del>1028311.41</del>	<del>48.5</del>	<del>13687.36</del>	<del>378882</del>	<del>1420.4715 ng/ml</del> **
Mitragynine	5.188	414776	21026.64	39.2	8467.39	129292	930.8674 ng/ml
Morphine	1.206	680664	∞	23.1	∞	8000	976.6654 ng/ml
Norbuprenorphine	4.950	8341	256.09	80.2	342.99	3724	100.3366 ng/ml
Nordiazepam	5.882	4060034	∞	57.4	2507.24	133167	995.1717 ng/ml
Norfentanyl	4.037	1538929	55270.61	37.0	20631.76	628898	106.8565 ng/ml
Norhydrocodone	3.014	361049	129.89	41.0	319.93	30327	1125.1598 ng/ml
Noroxycodone	2.852	2899187	5632.59	48.8	851.74	99418	1017.6835 ng/ml
O-desmethyl-tramadol	3.323	26119099	607827.42	5.7	3469.47	1267969	1054.3903 ng/ml
Oxazepam	5.726	2963455	50.91	73.3	14109.78	196576	915.1855 ng/ml
Oxycodone	2.755	10419969	17886.85	30.2	∞	449514	991.0156 ng/ml
Oxymorphone	1.356	3344055	1472.39	46.3	∞	133177	916.8454 ng/ml
Phentermine	3.723	1832249	∞	3.1	1864.68	254496	1007.1955 ng/ml
Promethazine	5.515	1748153	2921.76	30.9	19228.75	75650	992.8781 ng/ml
Quetiapine	5.532	4117902	576989.53	58.9	115281.38	48533	1065.1147 ng/ml
<del>Sertraline</del>	<del>5.765</del>	<del>208961</del>	<del>1559.56</del>	<del>91.9</del>	<del>1729.13</del>	<del>8599</del>	<del>971.6787 ng/ml</del> *
Temazepam	5.806	13649921	1384.21	28.7	20012.09	599224	1075.8826 ng/ml
Tramadol	4.190	18857021	3684.02	3.2	9748.99	961459	1005.1633 ng/ml
Trazodone	5.107	4106123	253848.20	78.2	815.22	159442	1036.8729 ng/ml
Venlafaxine	5.001	14345647	81840.51	34.5	936.27	666069	1093.3488 ng/ml
Zolpidem	4.872	24283043	339503.77	30.0	313475.81	1185743	990.9704 ng/ml

\* Did not evaluate

\*\* Outside curve range

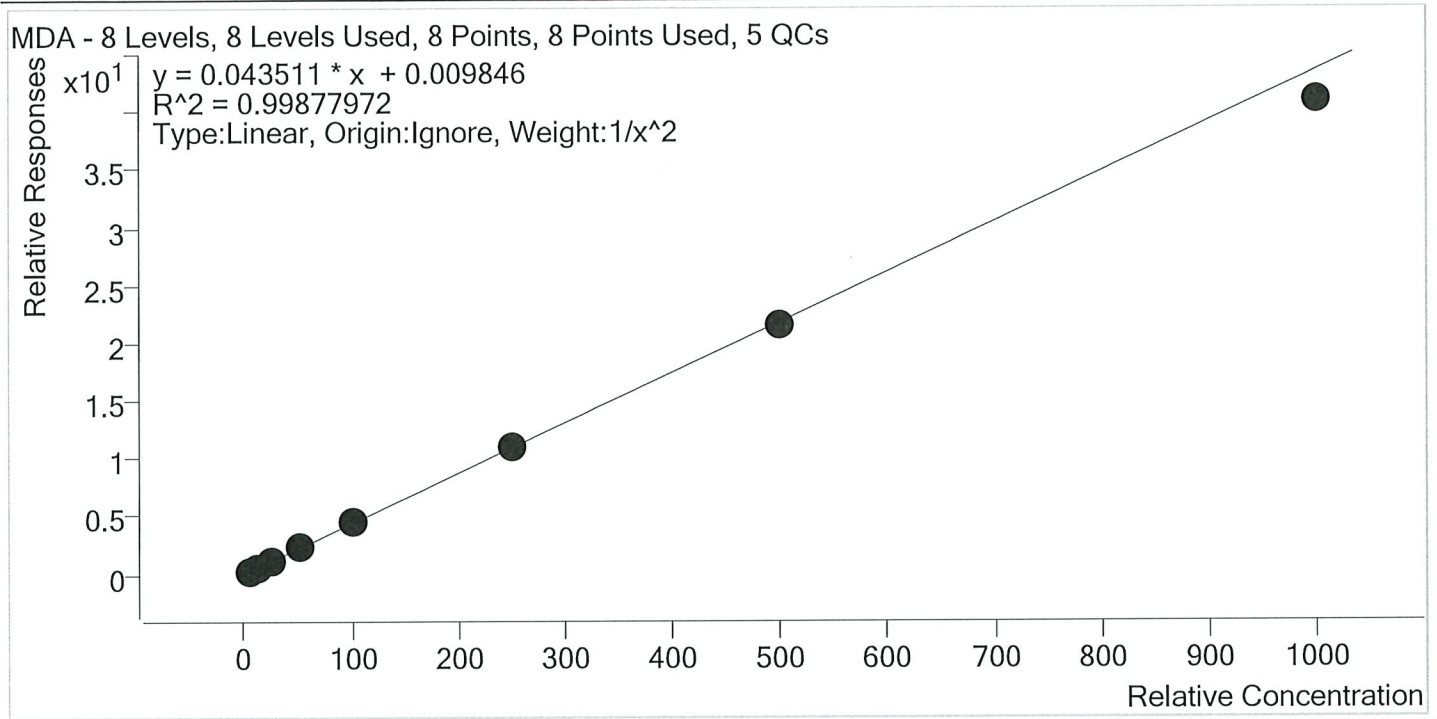
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5



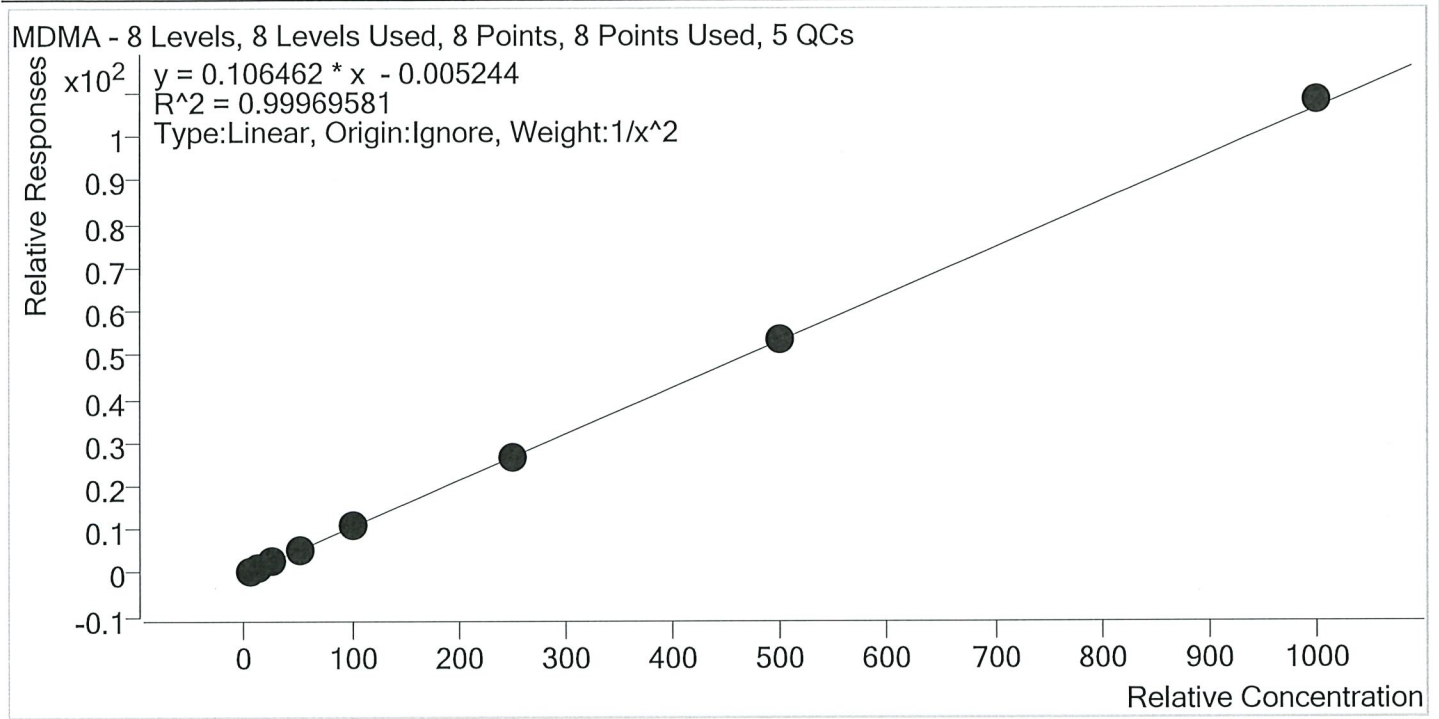
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	940.5	94.0

SP  
SP



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



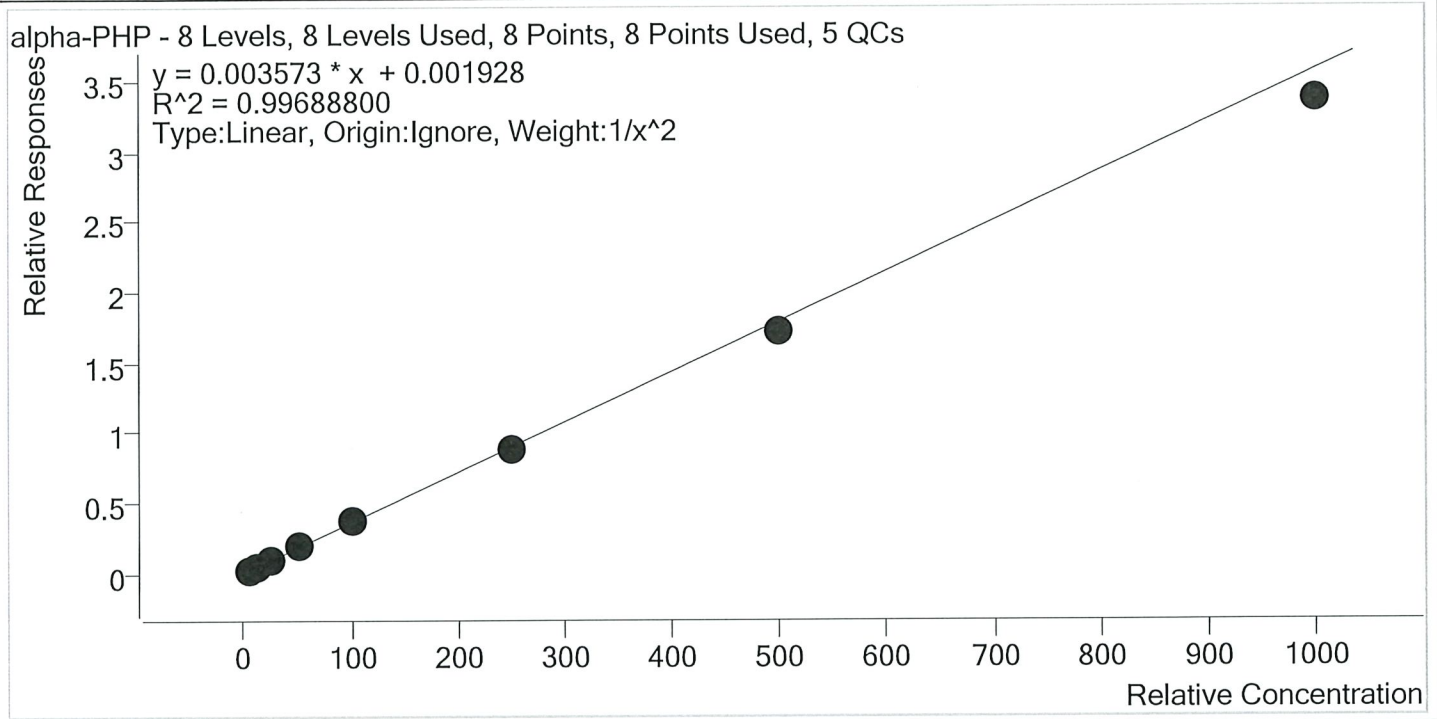
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1016.4	101.6

BR



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



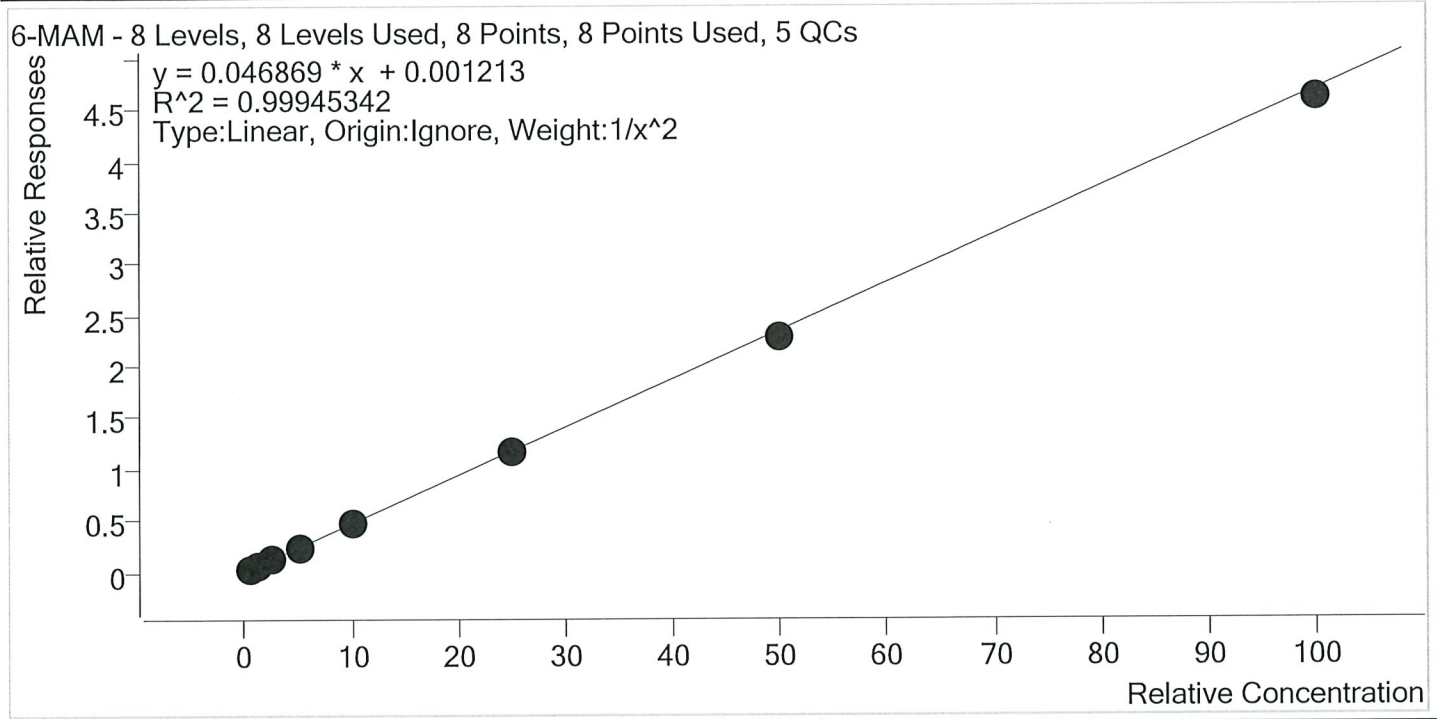
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	477.7	95.5
p1 Cal 8-1000ng	8	✓	1000.0	941.6	94.2

5  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



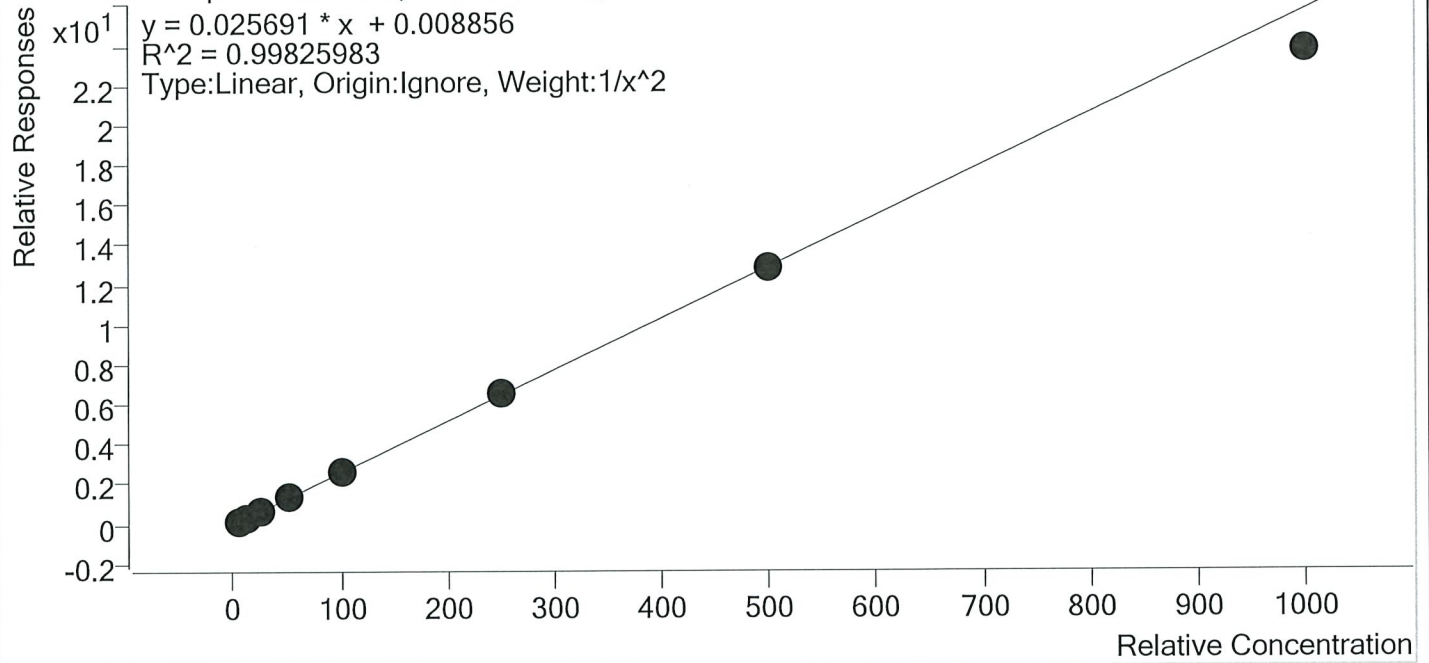
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.3
p1 Cal 4-50ng	4	✓	5.0	5.2	103.3
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	49.0	97.9
p1 Cal 8-1000ng	8	✓	100.0	98.2	98.2



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



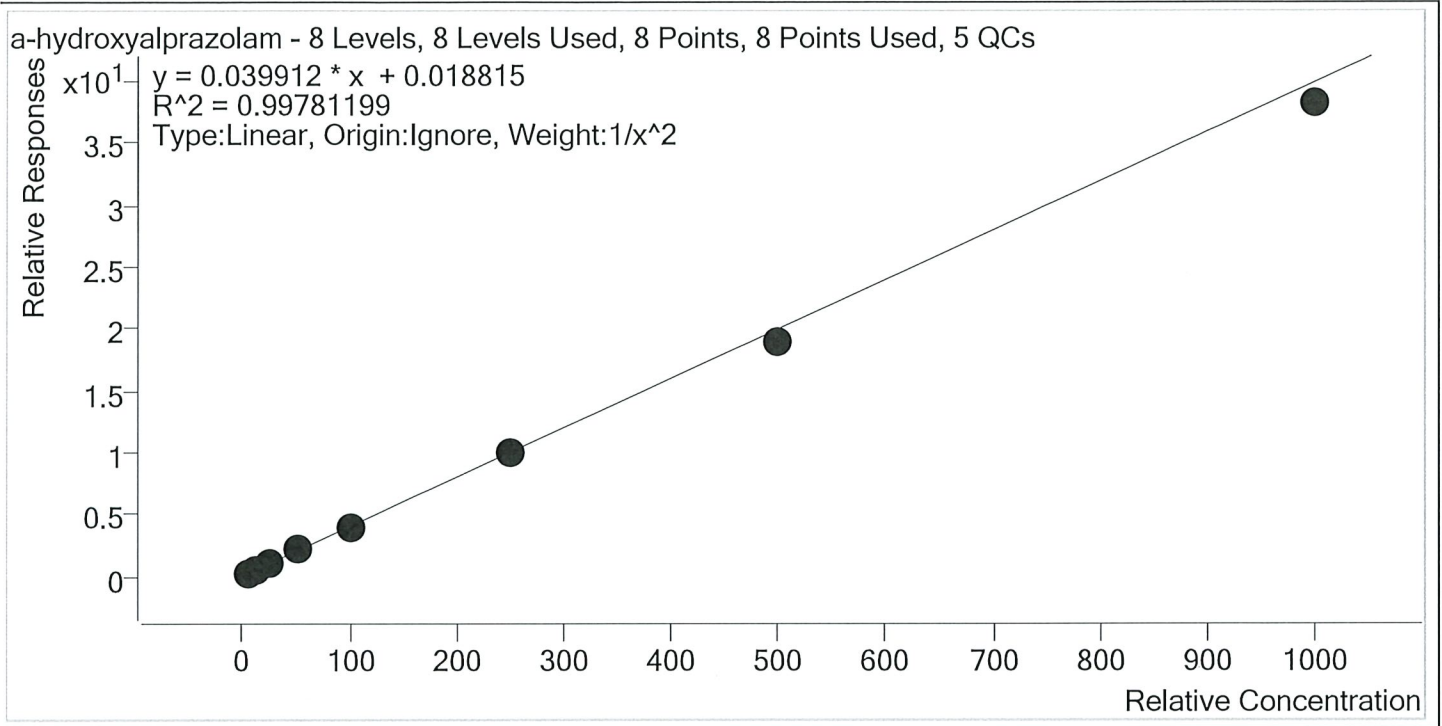
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	922.3	92.2





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



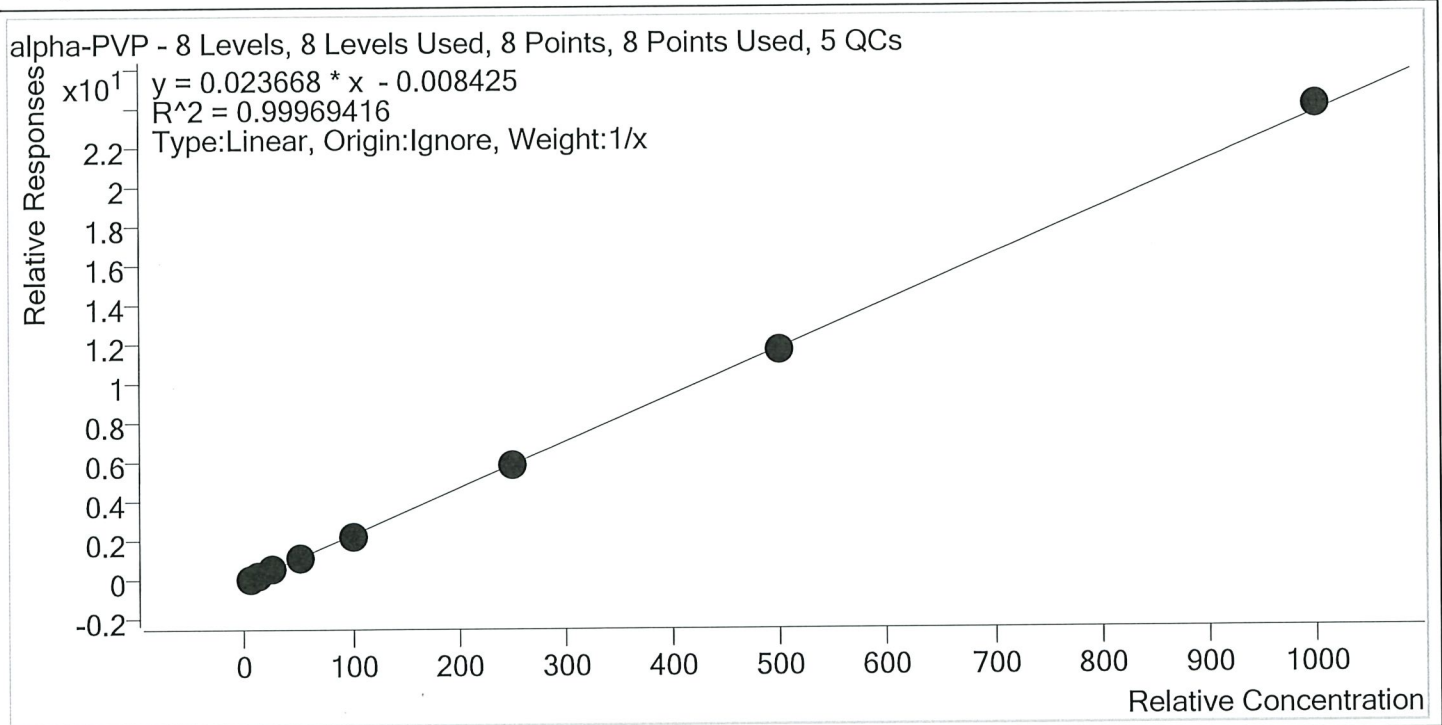
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	477.3	95.5
p1 Cal 8-1000ng	8	✓	1000.0	957.3	95.7

SP



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

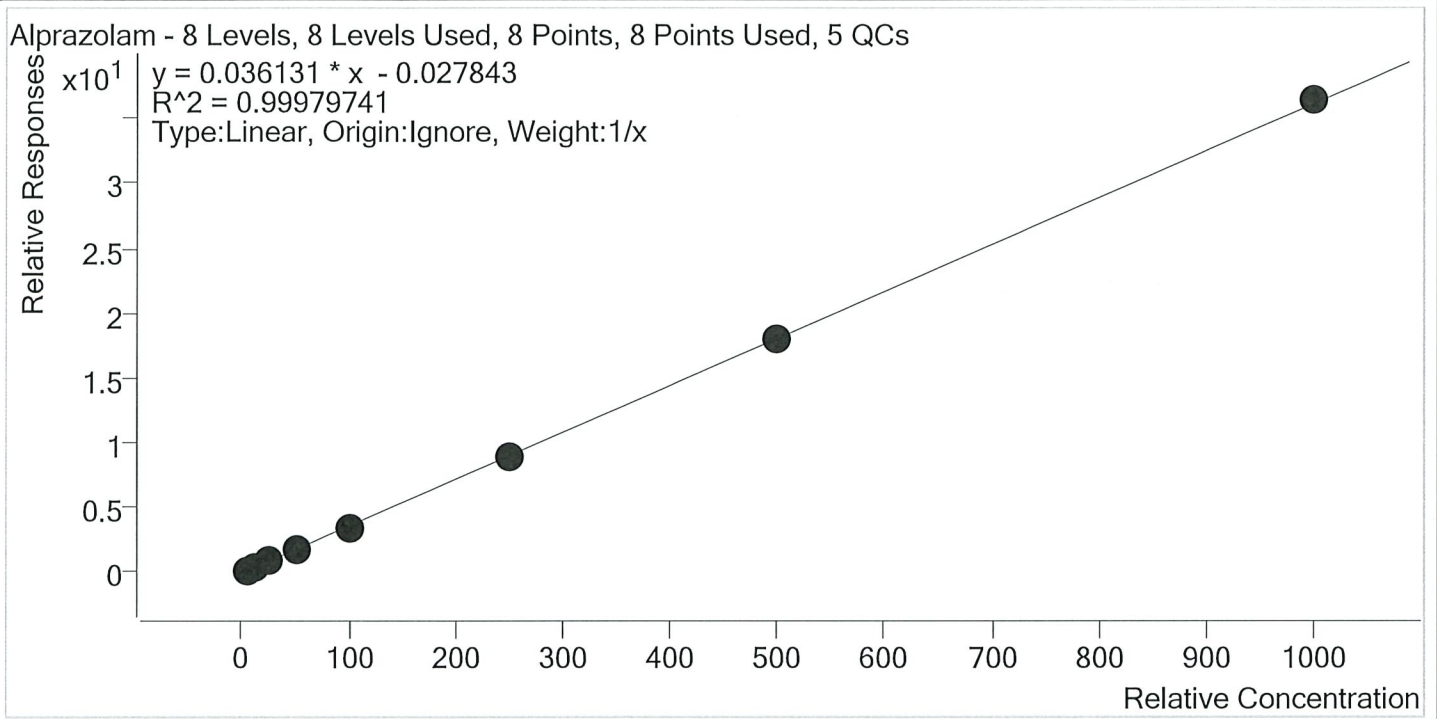


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



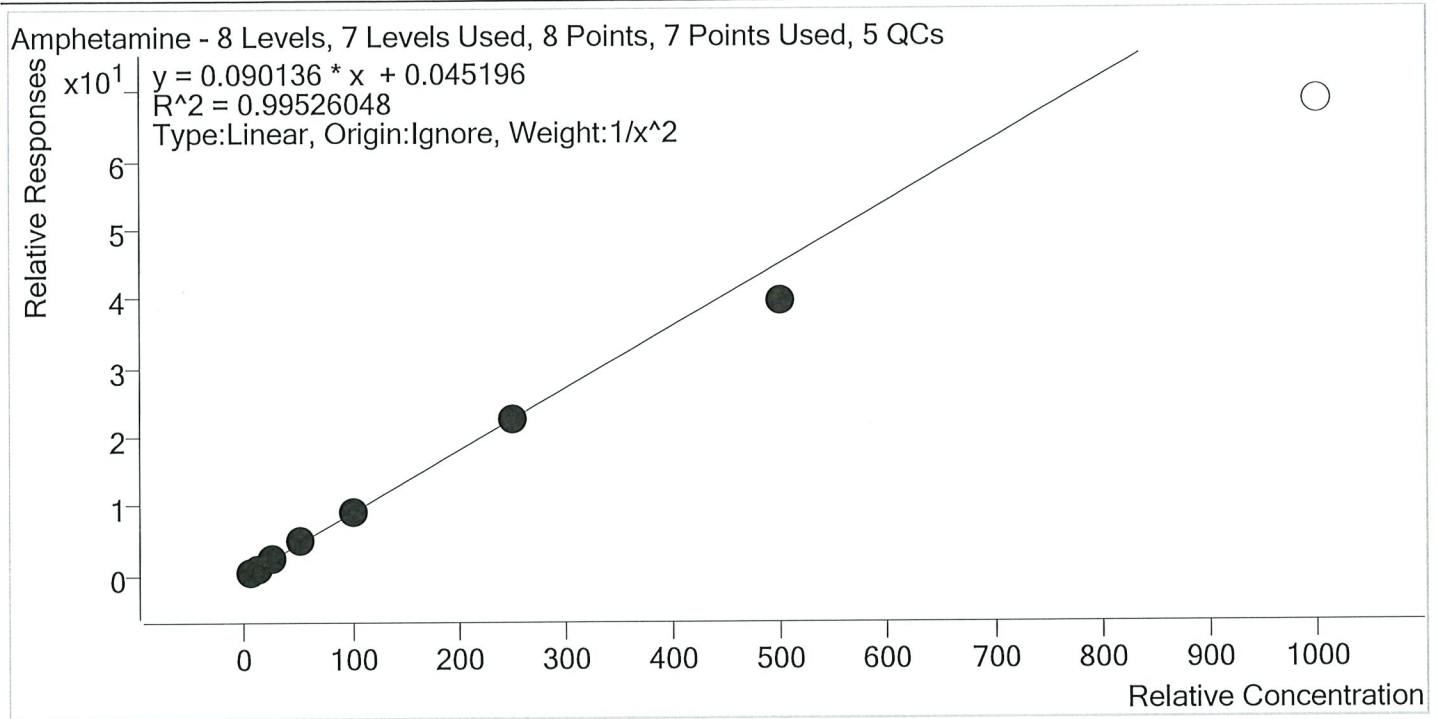
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1007.6	100.8

502



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



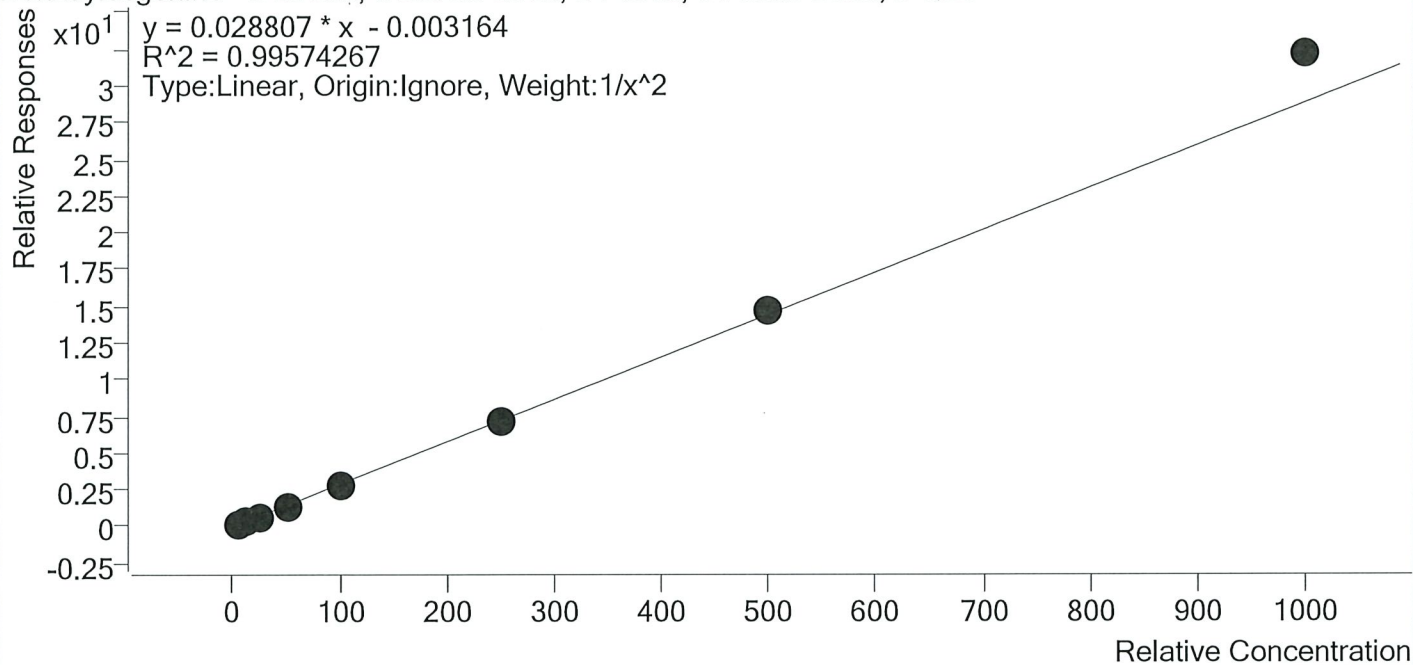
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	442.3	88.5
p1 Cal 8-1000ng	8	×	1000.0	759.6	76.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



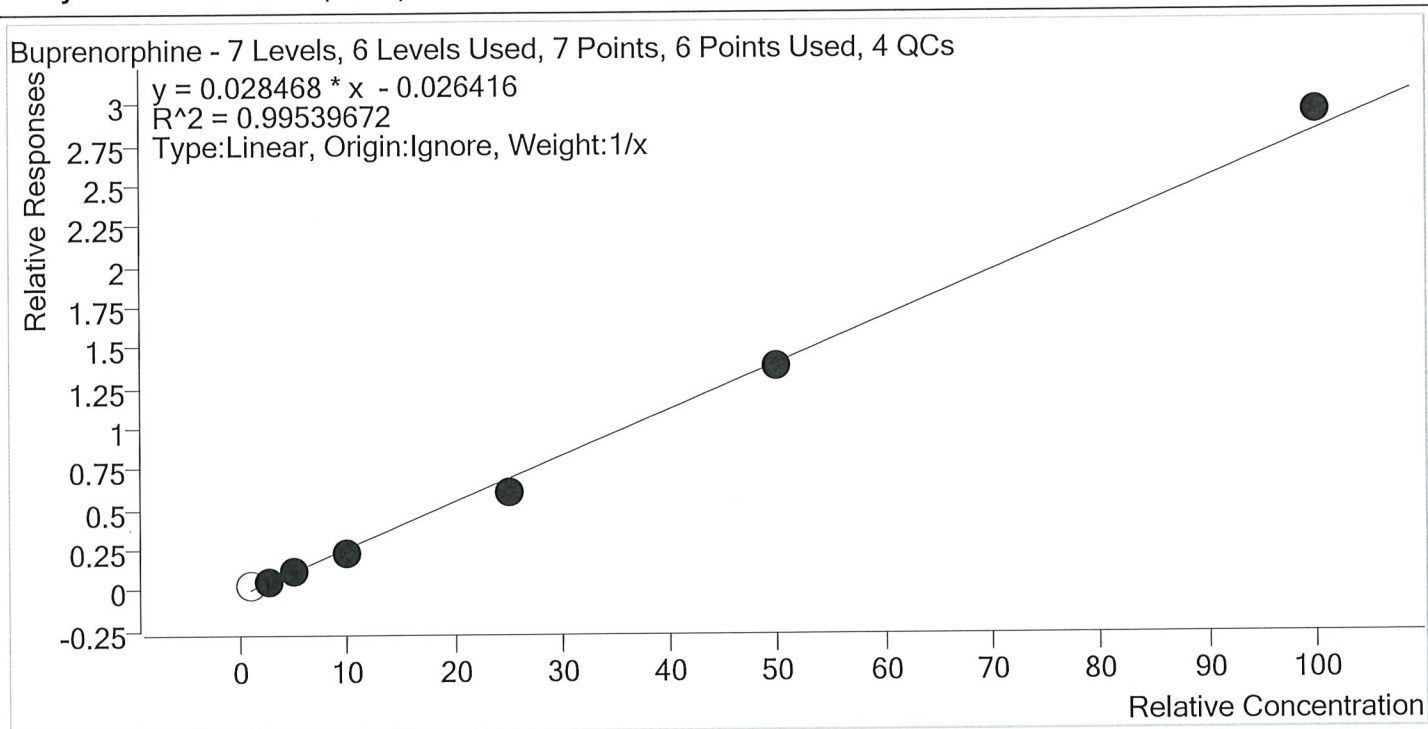
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	507.1	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1115.4	111.5

S  
S



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



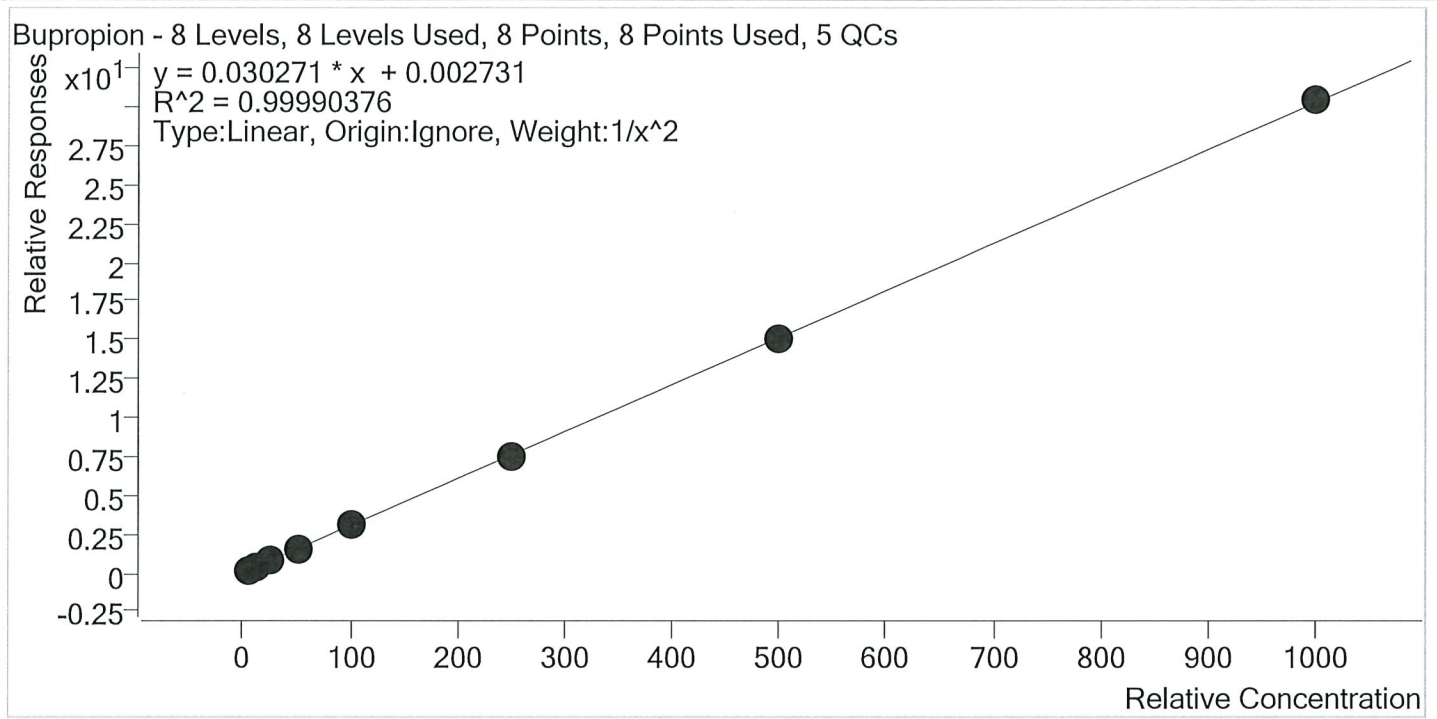
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	×	1.0	2.0	202.5
p1 Cal 3 -25ng	3	✓	2.5	2.9	115.7
p1 Cal 4-50ng	4	✓	5.0	5.1	101.9
p1 Cal 5-100ng	5	✓	10.0	9.2	92.0
p1 Cal 6-250ng	6	✓	25.0	22.0	88.1
p1 Cal 7-500ng	7	✓	50.0	49.1	98.1
p1 Cal 8-1000ng	8	✓	100.0	104.2	104.2

SP



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5

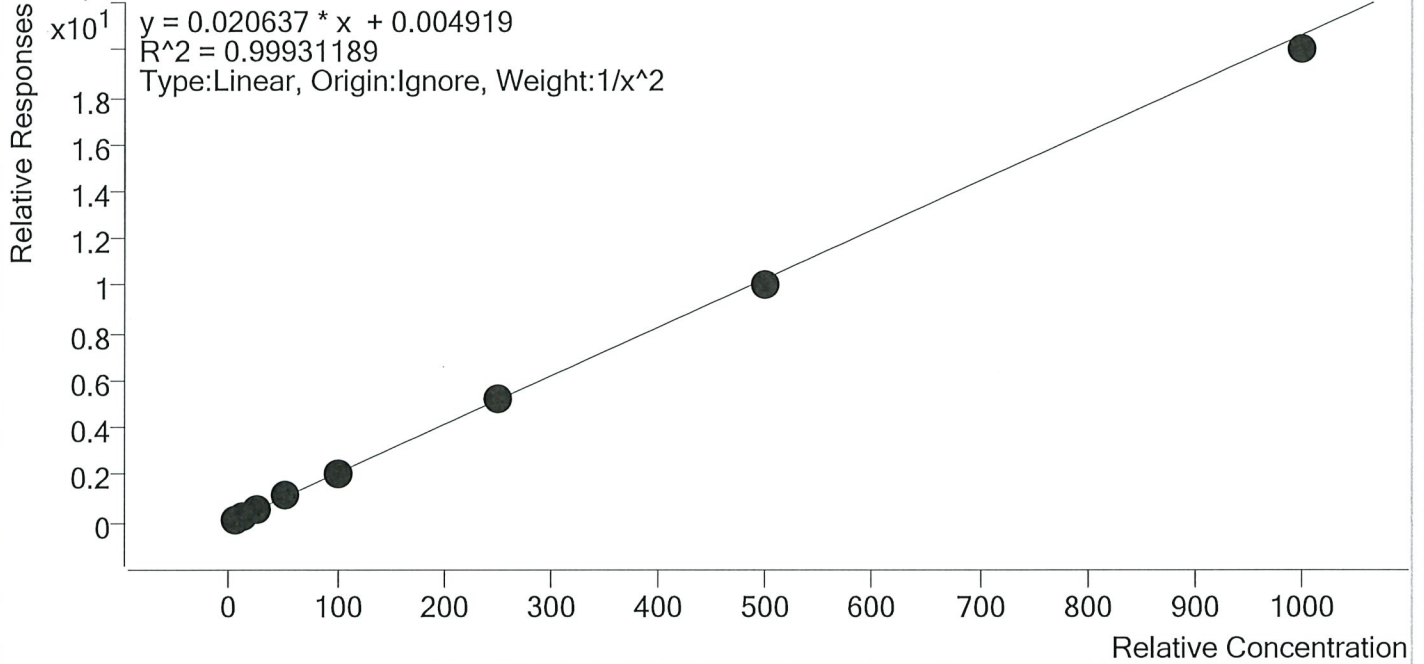
SP  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✓	1000.0	970.1	97.0

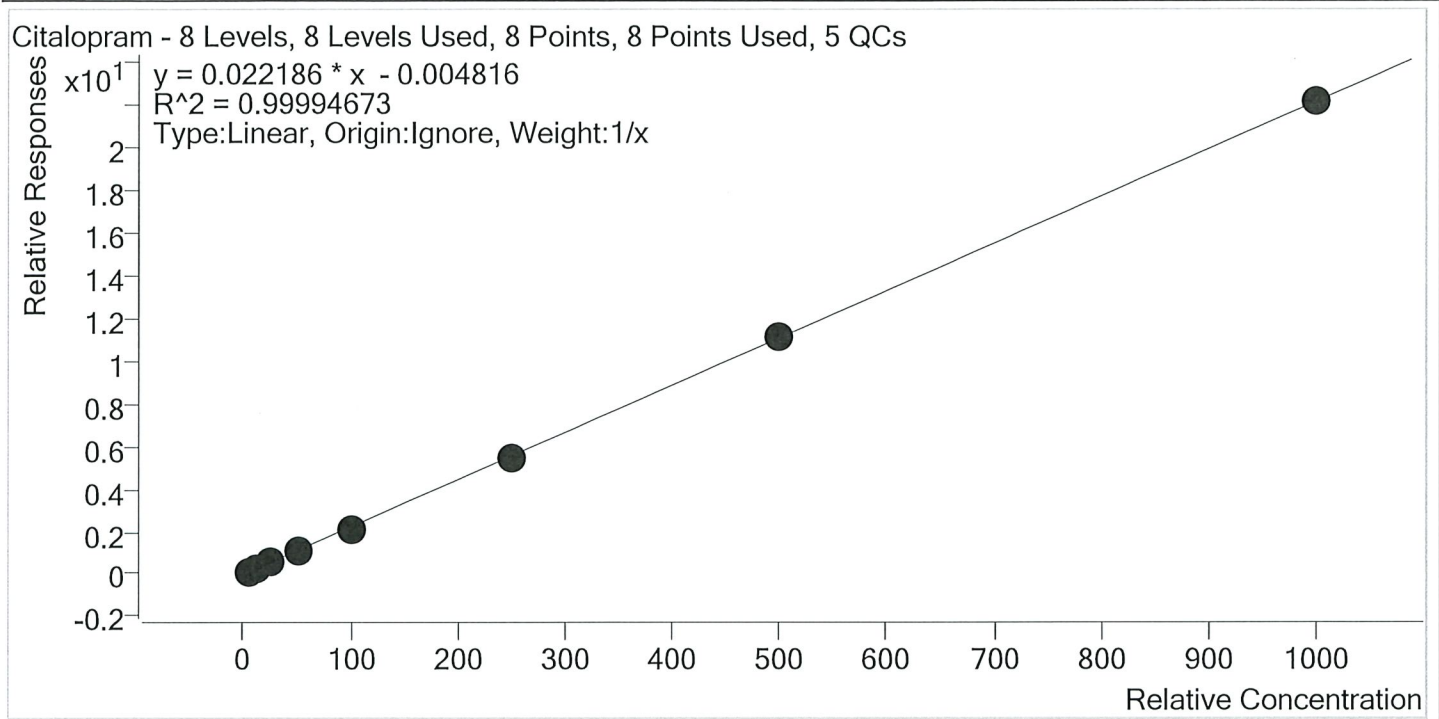


ST  
R



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram Internal Standard Citalopram-D6



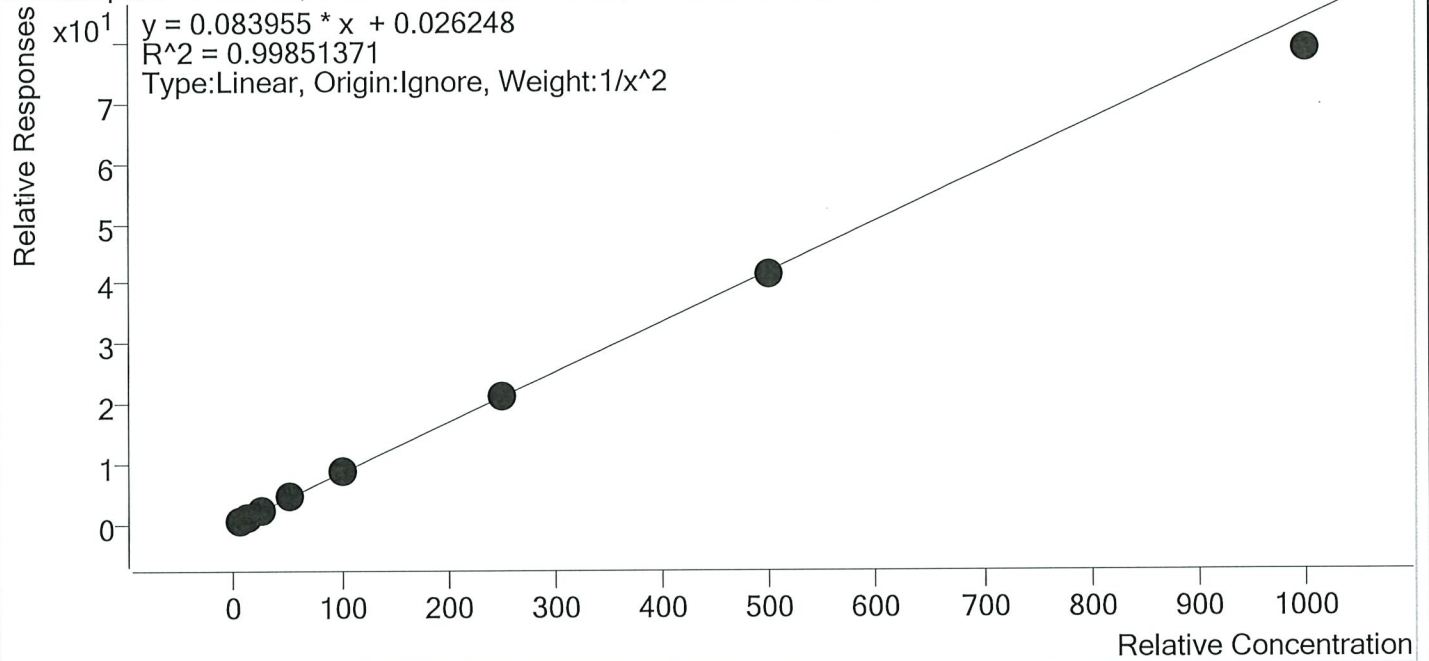
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	999.9	100.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

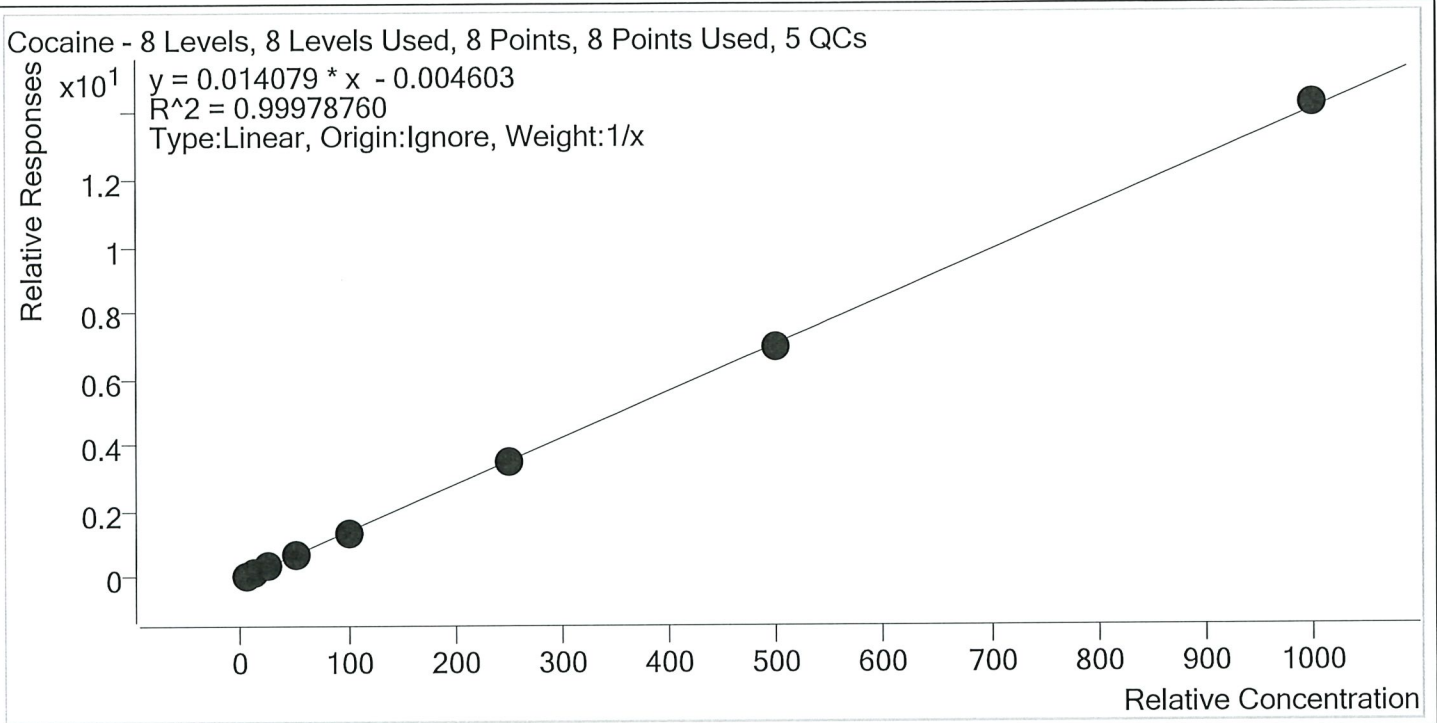


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	939.7	94.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3



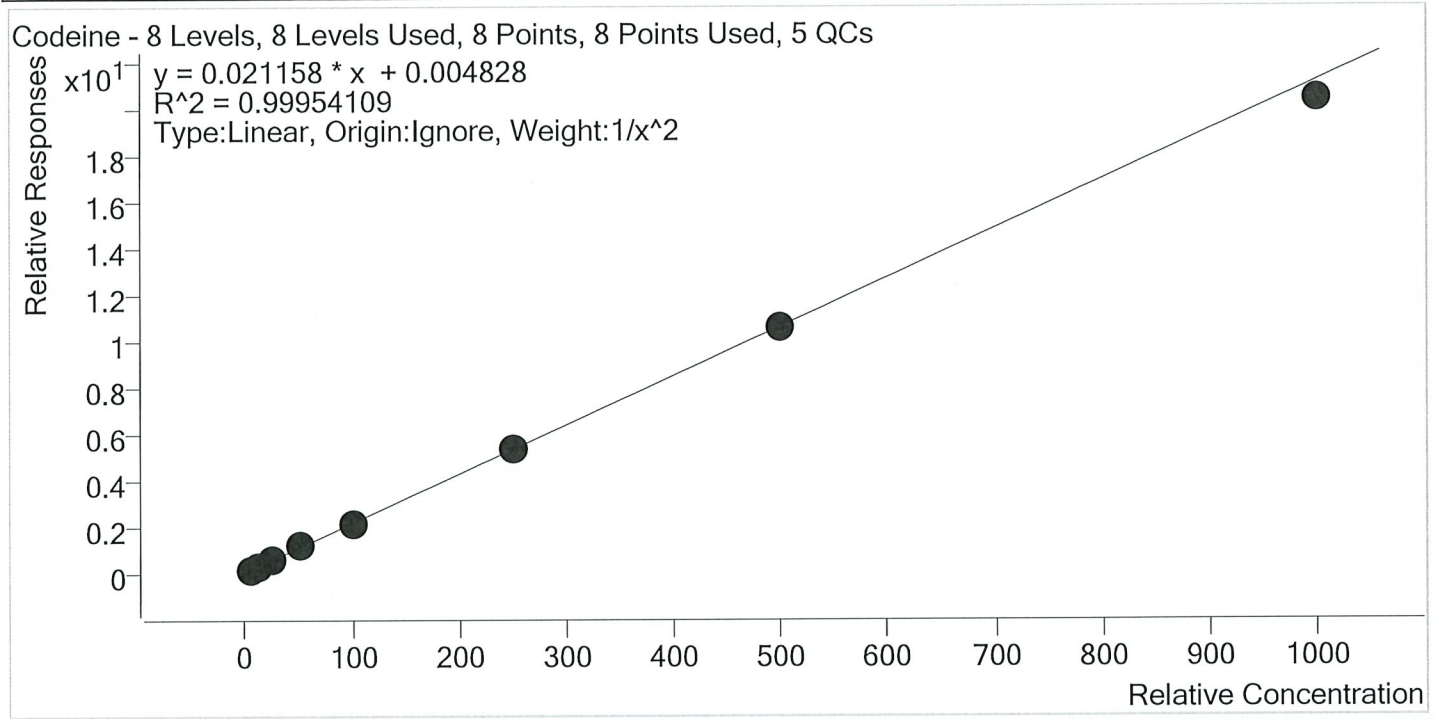
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.3

SP  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



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	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	962.9	96.3

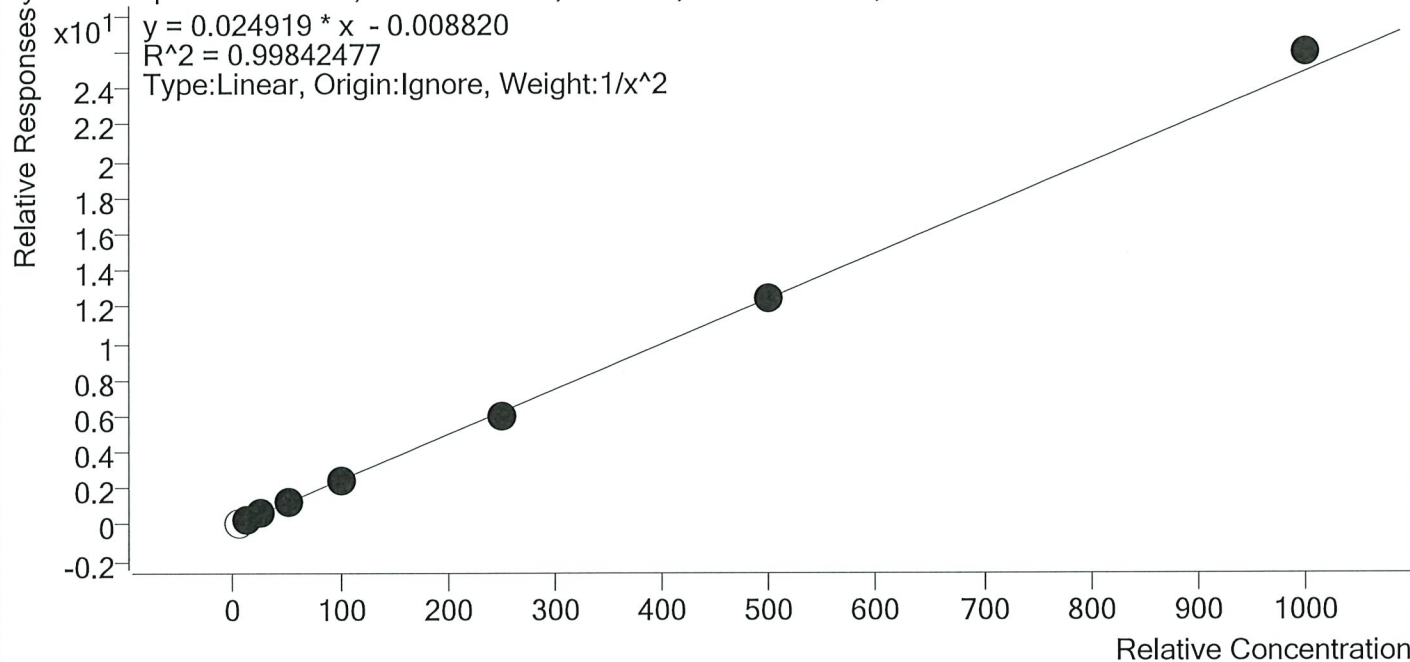
SP



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	5.0	5.3	106.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1042.5	104.3

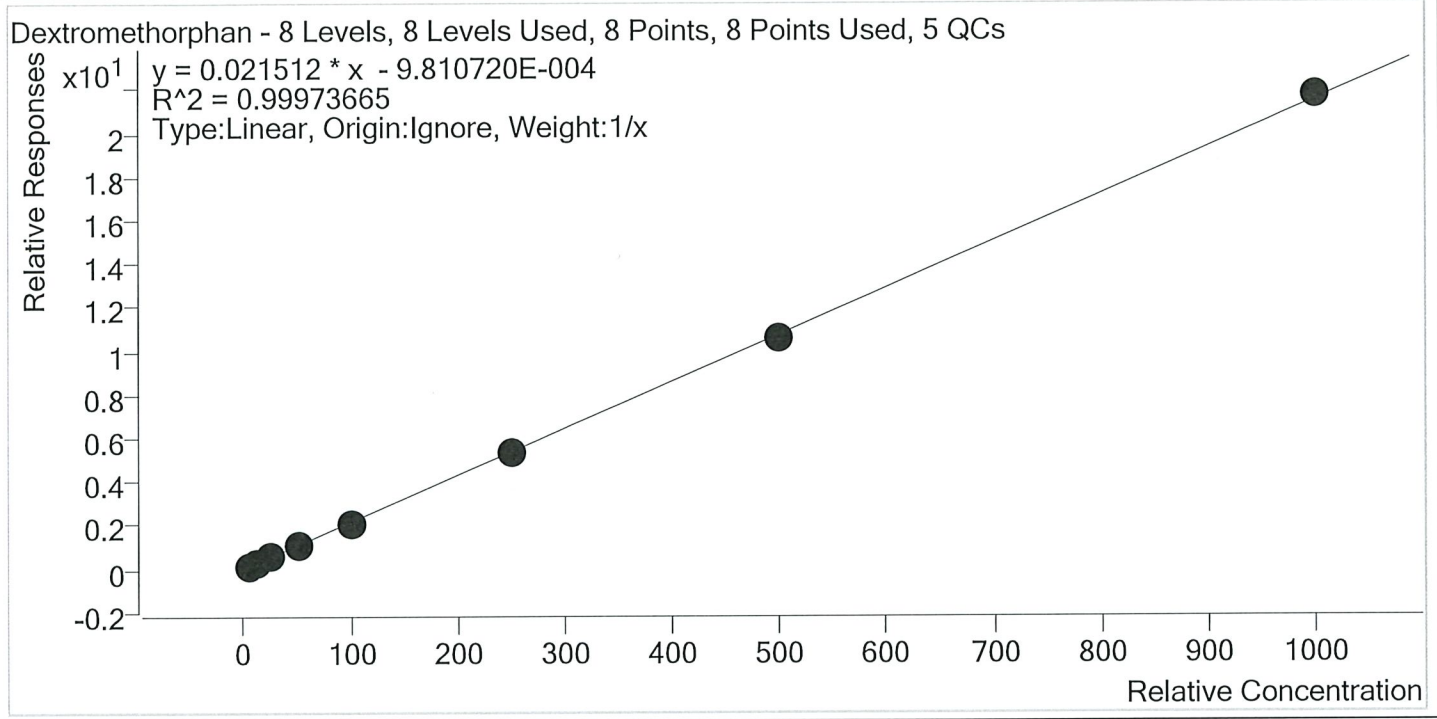
Did not evaluate

BR



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

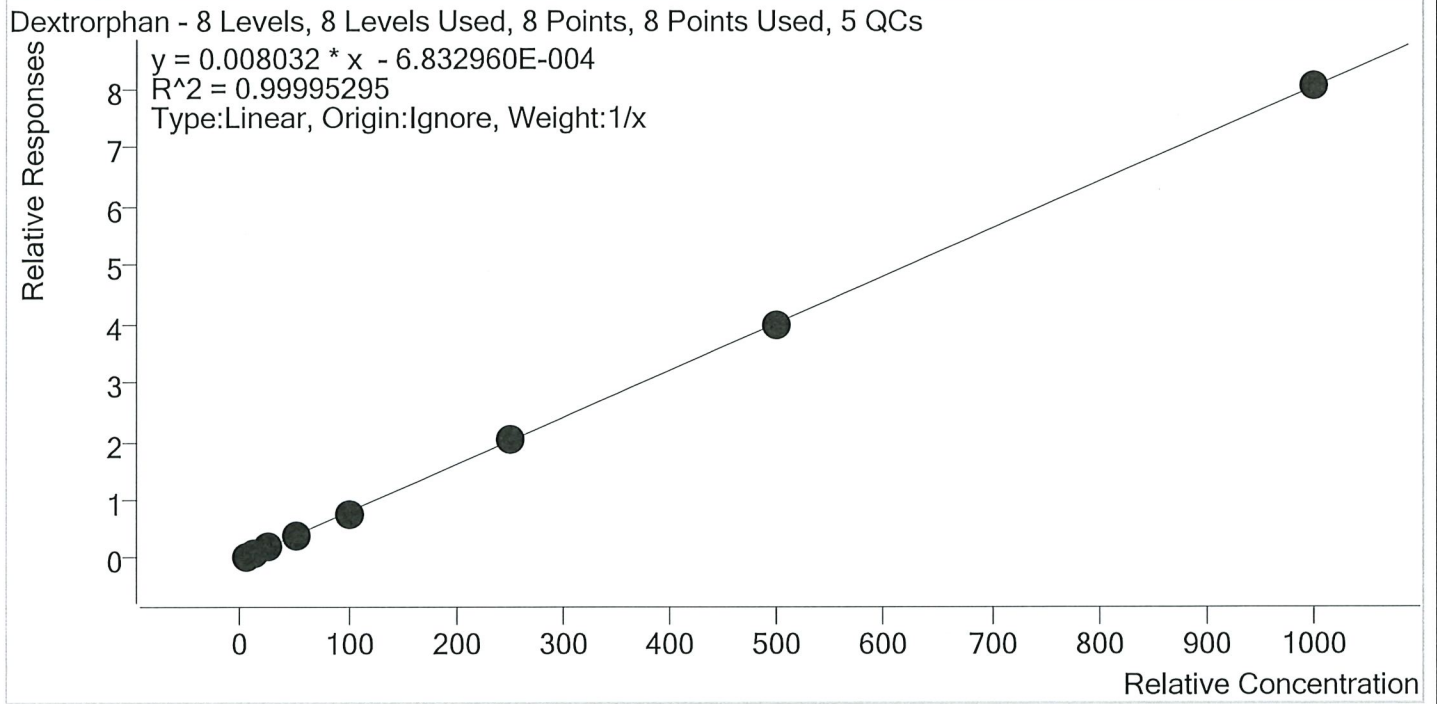


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	489.3	97.9
p1 Cal 8-1000ng	8	✓	1000.0	1010.0	101.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan **Internal Standard** Dextrophan-D3



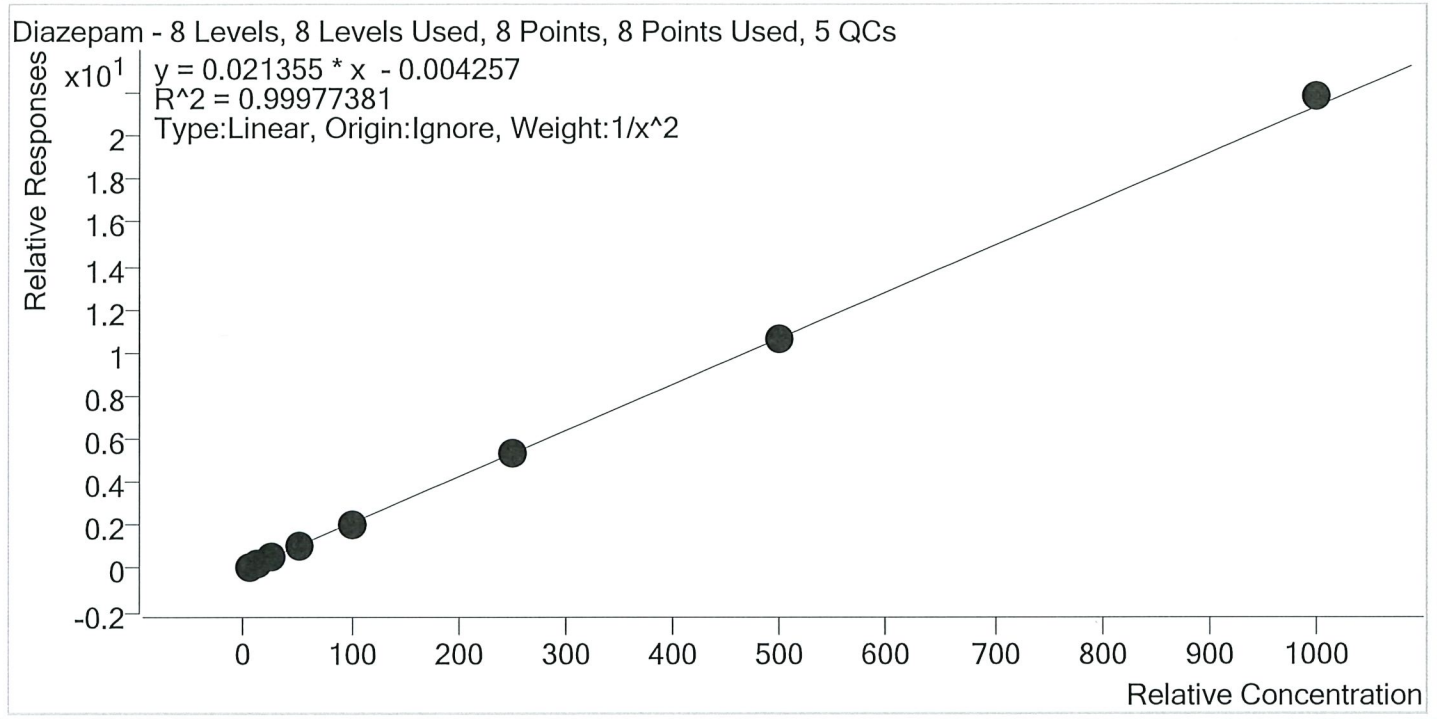
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.3	100.1

SP  
P



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte Diazepam Internal Standard Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1022.2	102.2

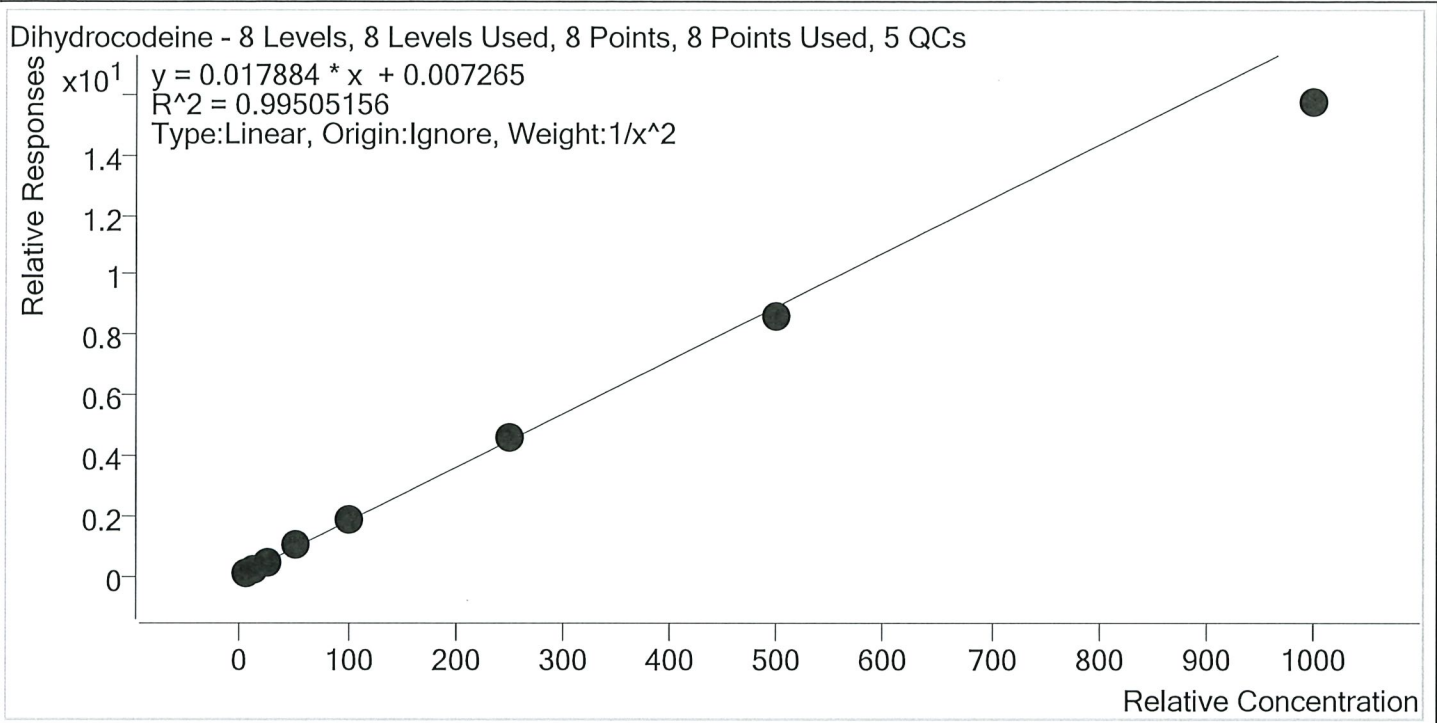


SS  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



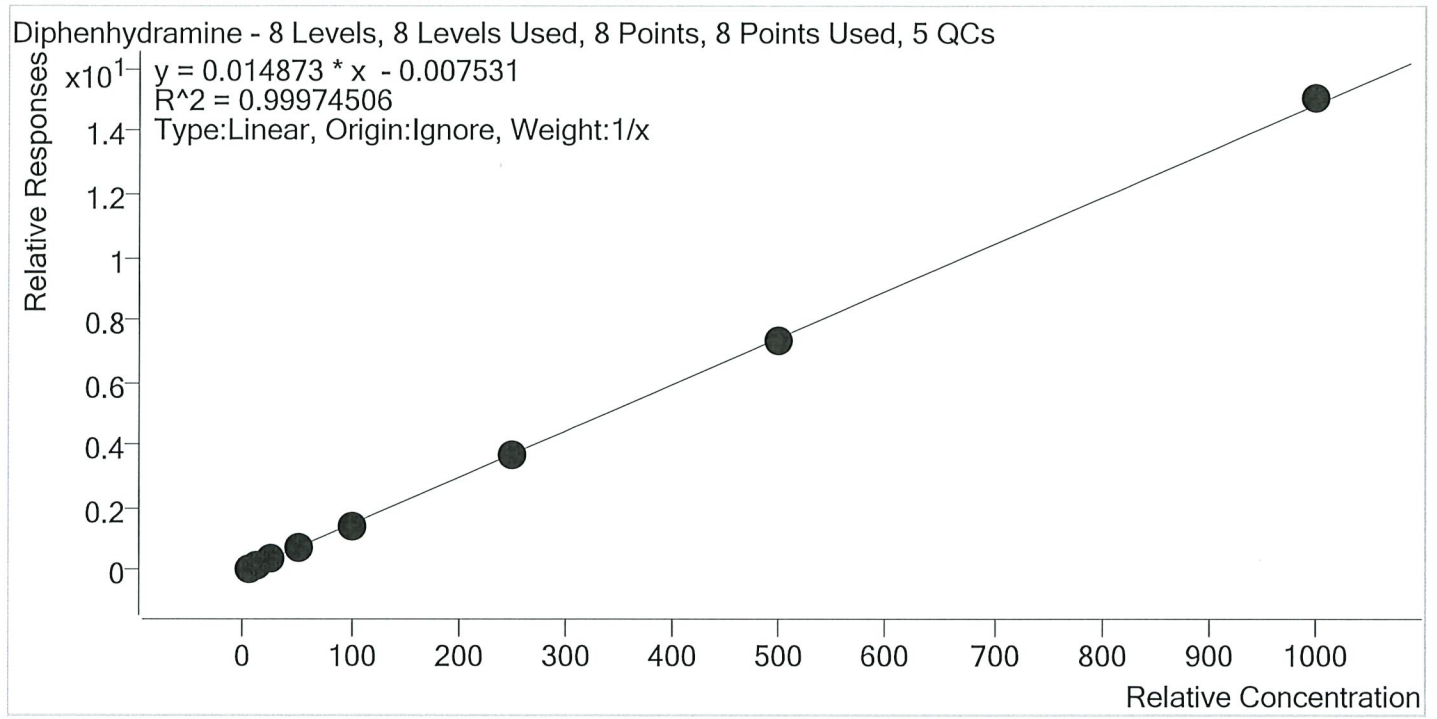
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	480.1	96.0
p1 Cal 8-1000ng	8	✓	1000.0	879.1	87.9

5  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



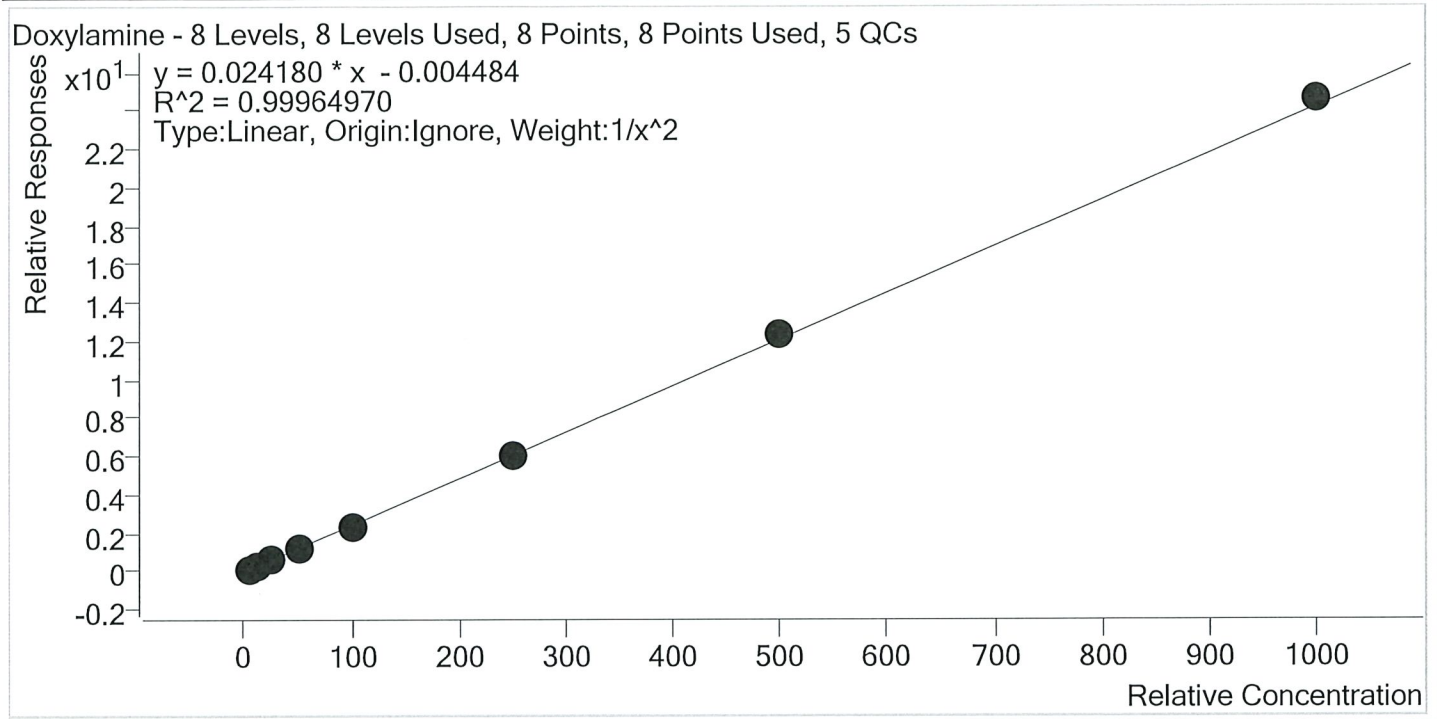
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1013.2	101.3

SJ  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1017.1	101.7

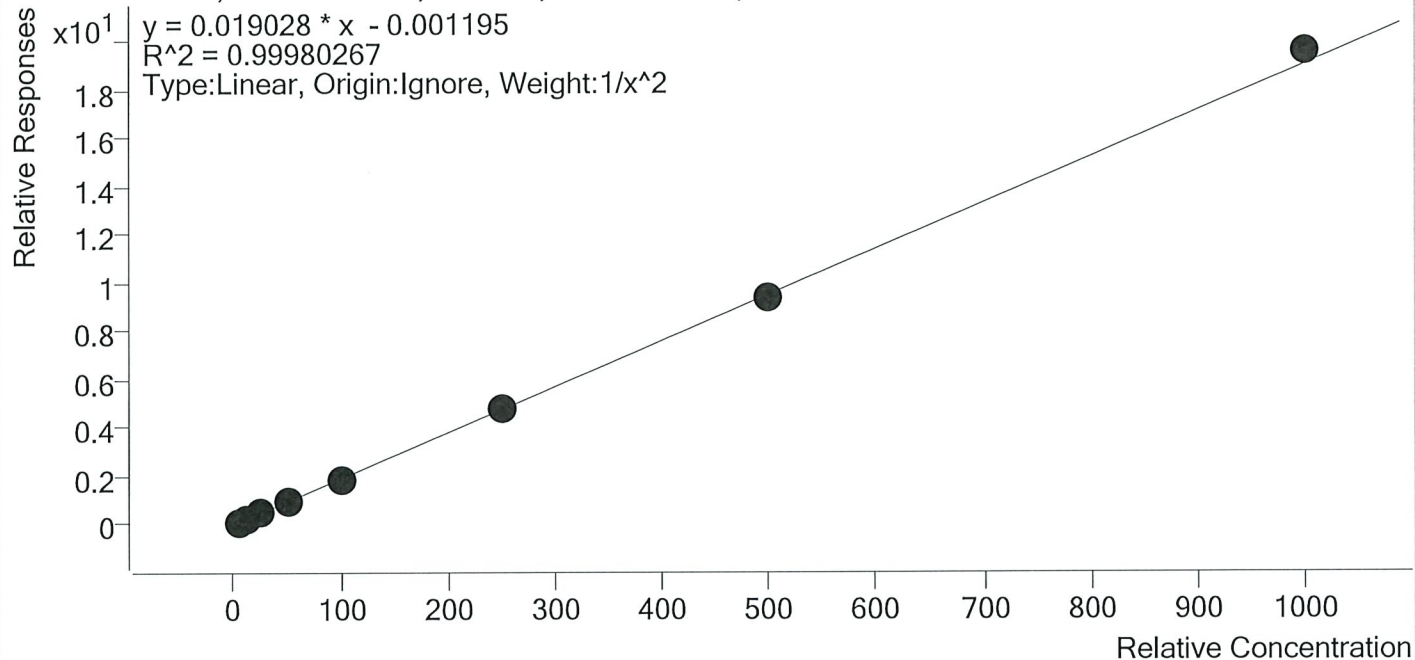
SJ  
P



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte EDDP Internal Standard EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



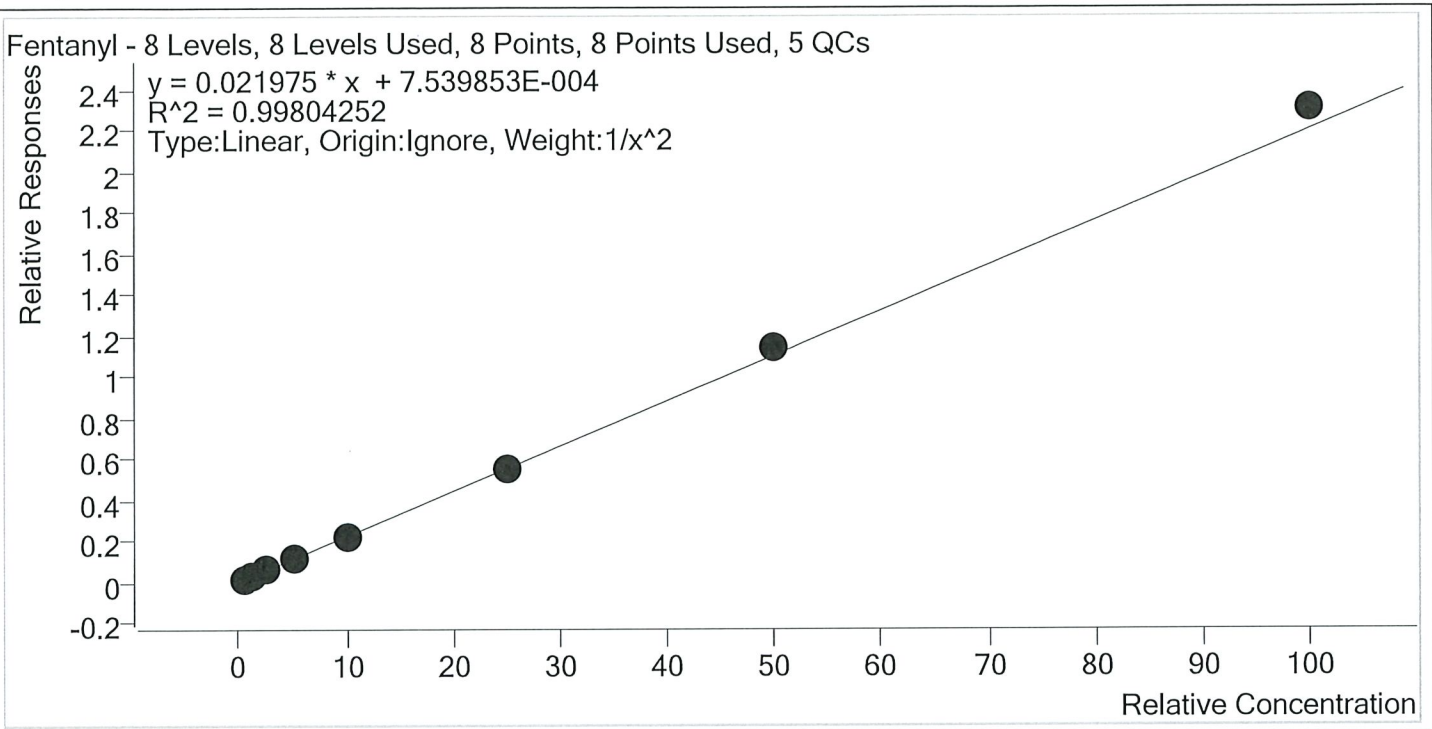
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1028.2	102.8

SJ  
P



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte Fentanyl Internal Standard Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.2
p1 Cal 4-50ng	4	✓	5.0	4.9	98.2
p1 Cal 5-100ng	5	✓	10.0	9.9	98.7
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	104.7	104.7

Did not evaluate

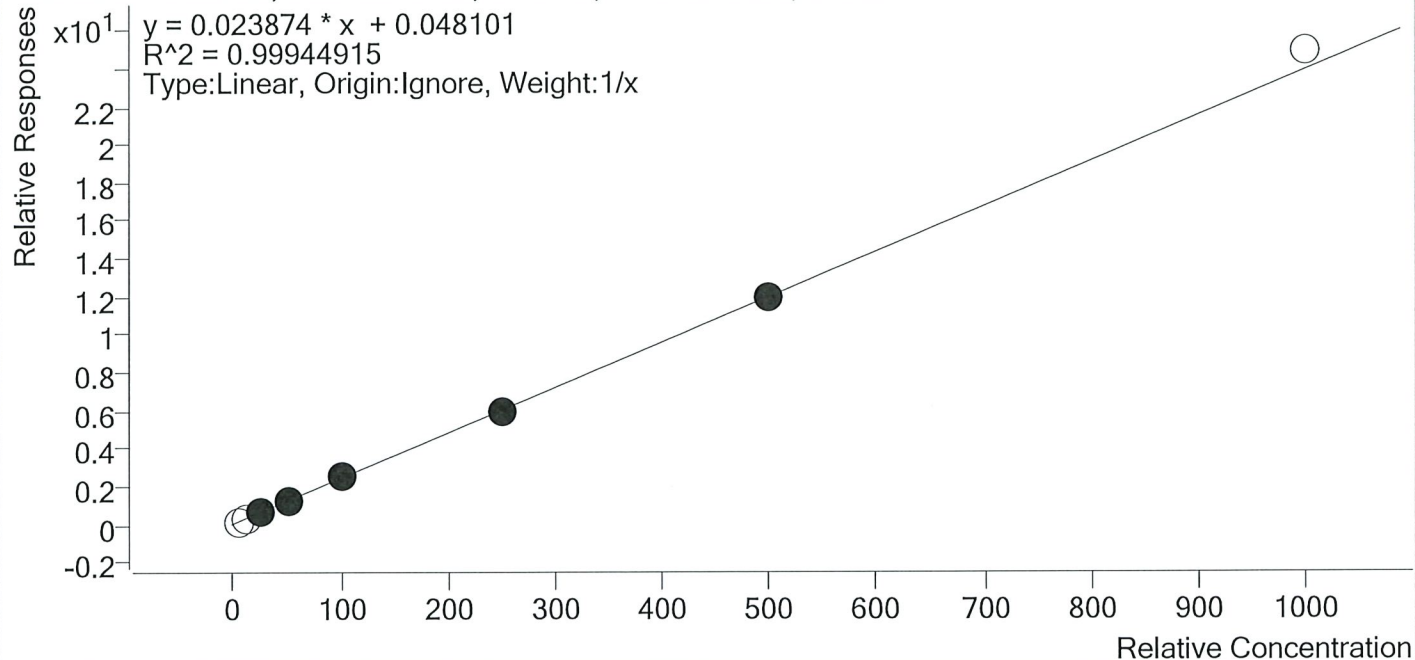
SP  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 5 QCs



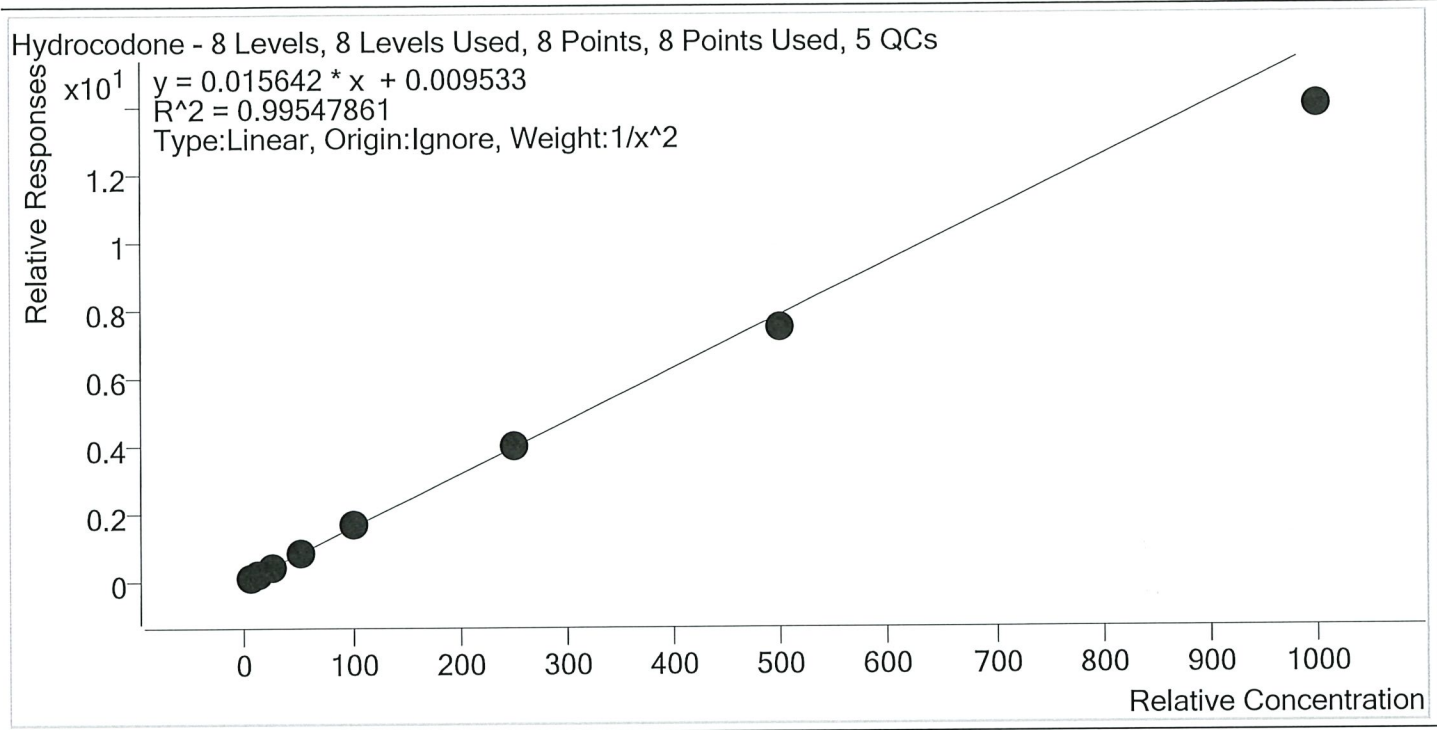
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	3.4	68.7
p1 Cal 2- 10ng	2	x	10.0	8.3	82.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	x	1000.0	1041.2	104.1

Did not evaluate



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



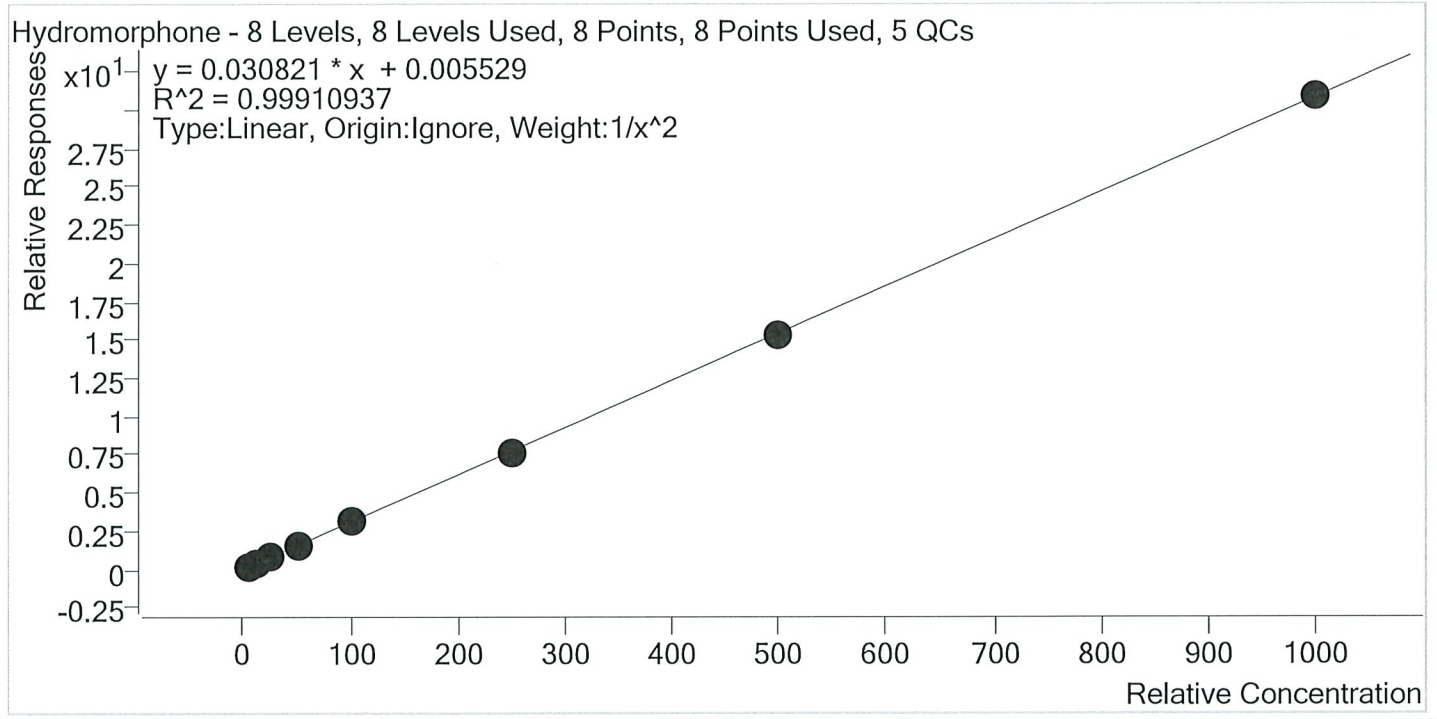
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	476.8	95.4
p1 Cal 8-1000ng	8	✓	1000.0	892.8	89.3

SP  
P



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 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	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1001.6	100.2

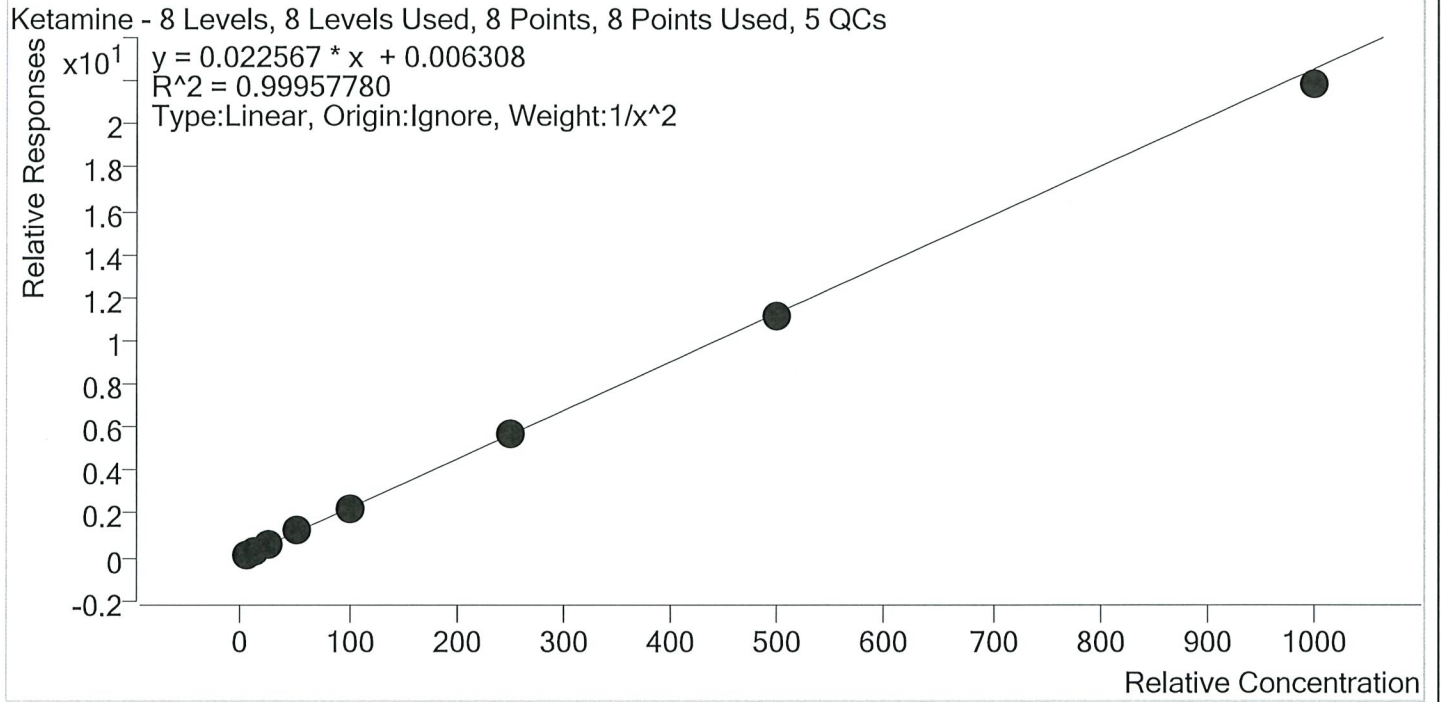


SJ  
D



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte Ketamine Internal Standard Ketamine-D4



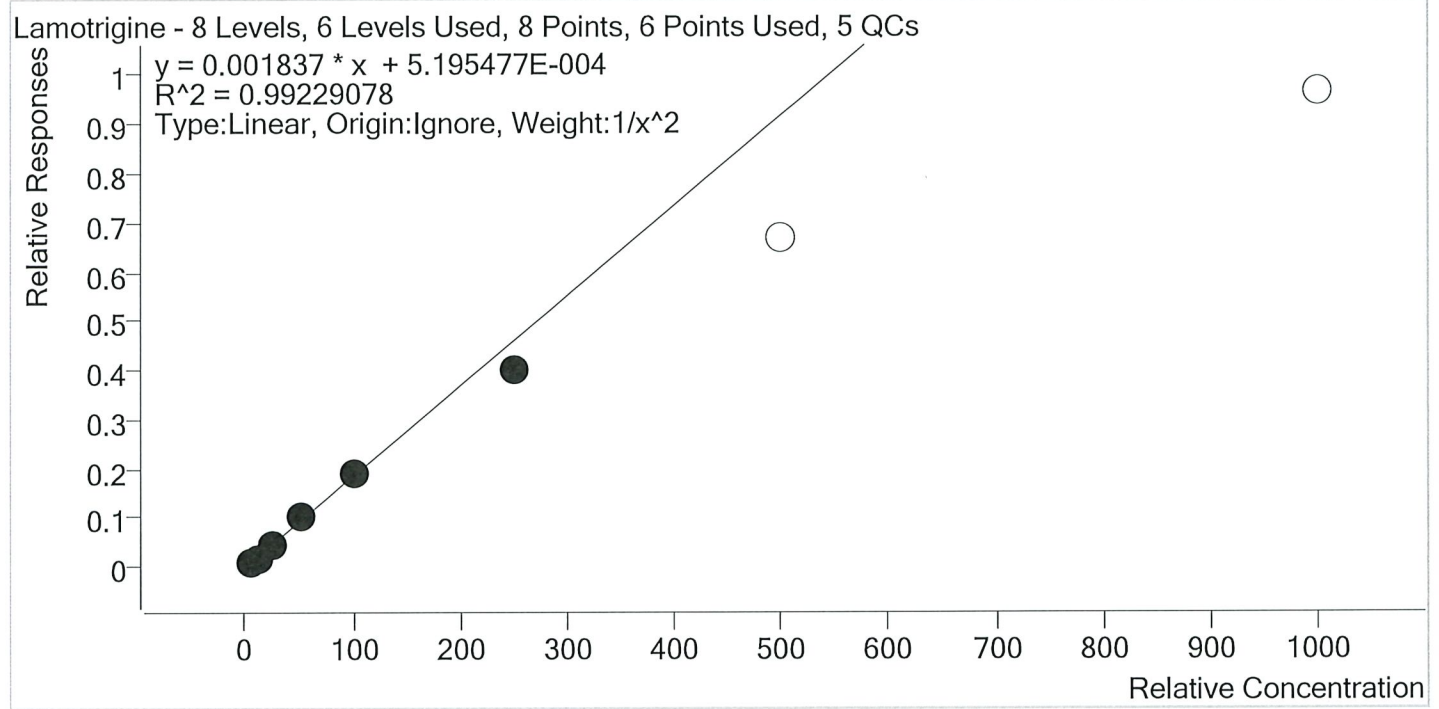
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	967.9	96.8

SP  
SJ



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



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	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	54.4	108.9
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	219.1	87.6
p1 Cal 7-500ng	7	×	500.0	363.2	72.6
p1 Cal 8-1000ng	8	×	1000.0	525.5	52.6

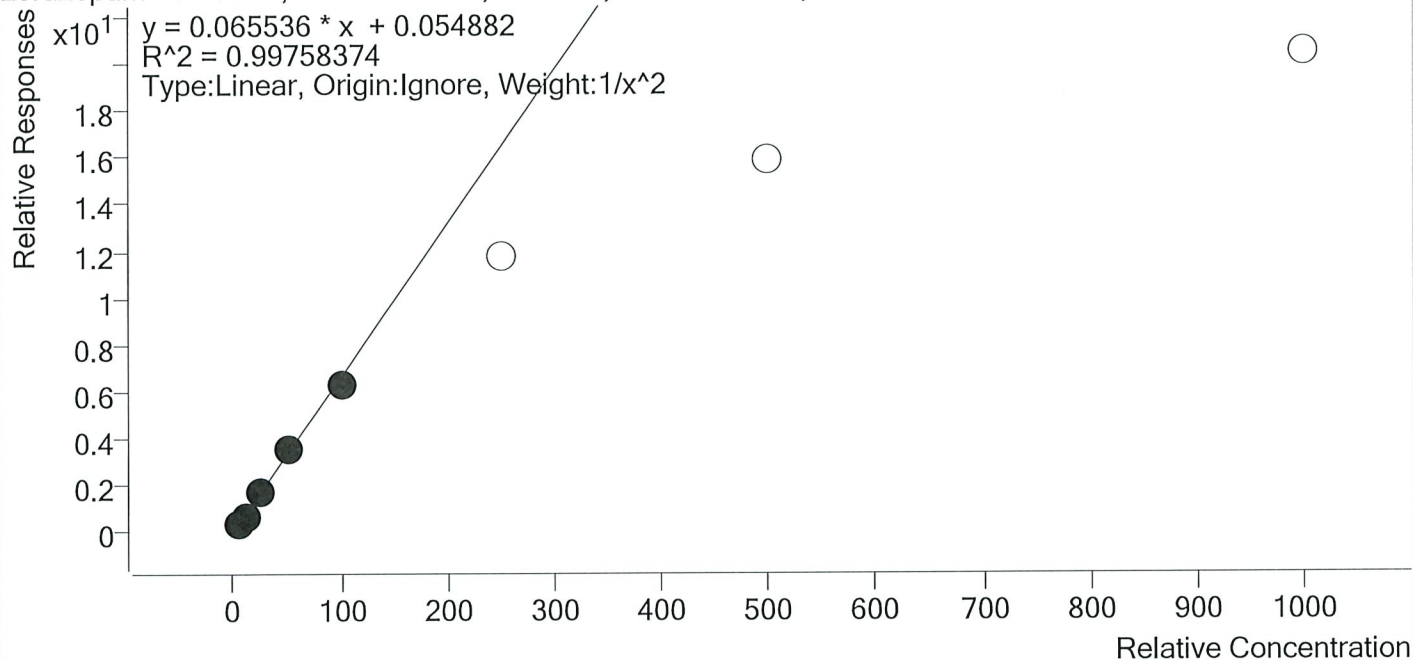
SP  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 5 QCs



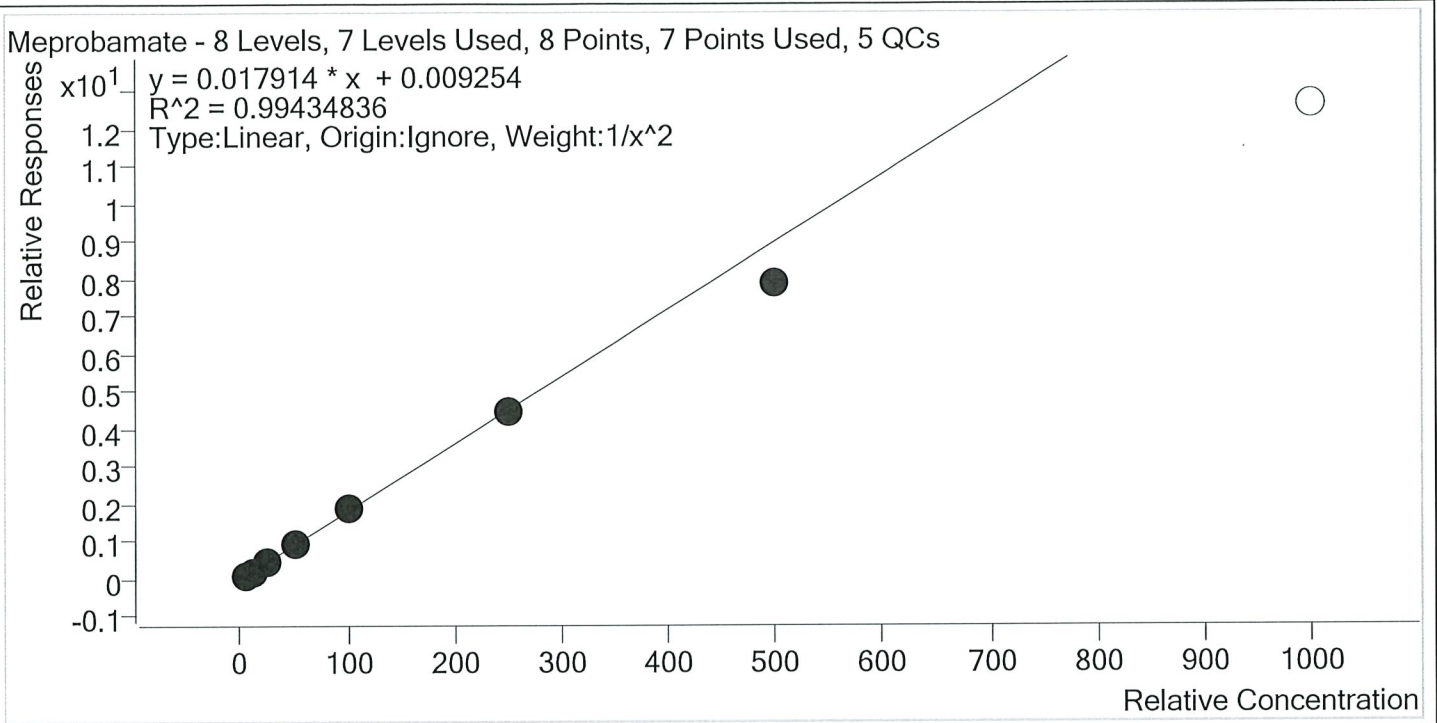
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	×	250.0	178.1	71.2
p1 Cal 7-500ng	7	×	500.0	240.8	48.2
p1 Cal 8-1000ng	8	×	1000.0	310.8	31.1

SJ  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



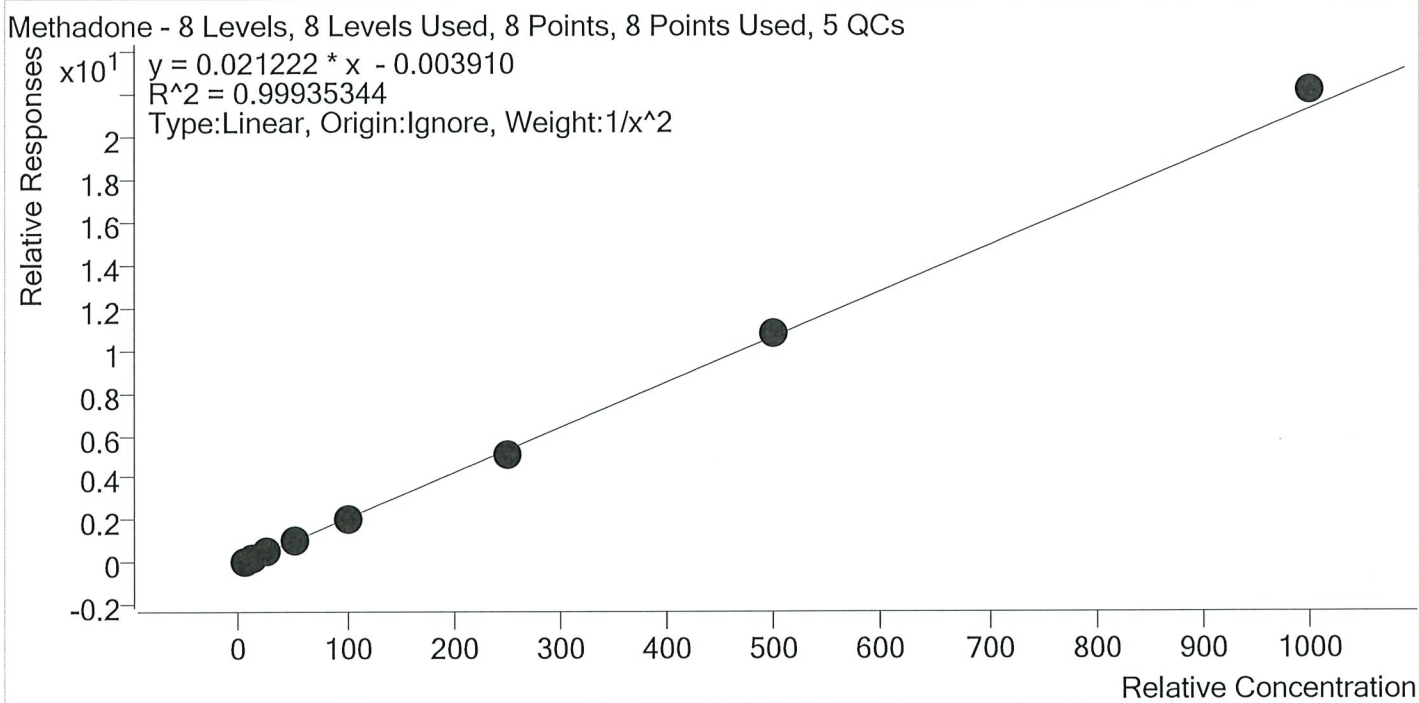
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	438.8	87.8
p1 Cal 8-1000ng	8	×	1000.0	703.1	70.3

SJ  
R



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



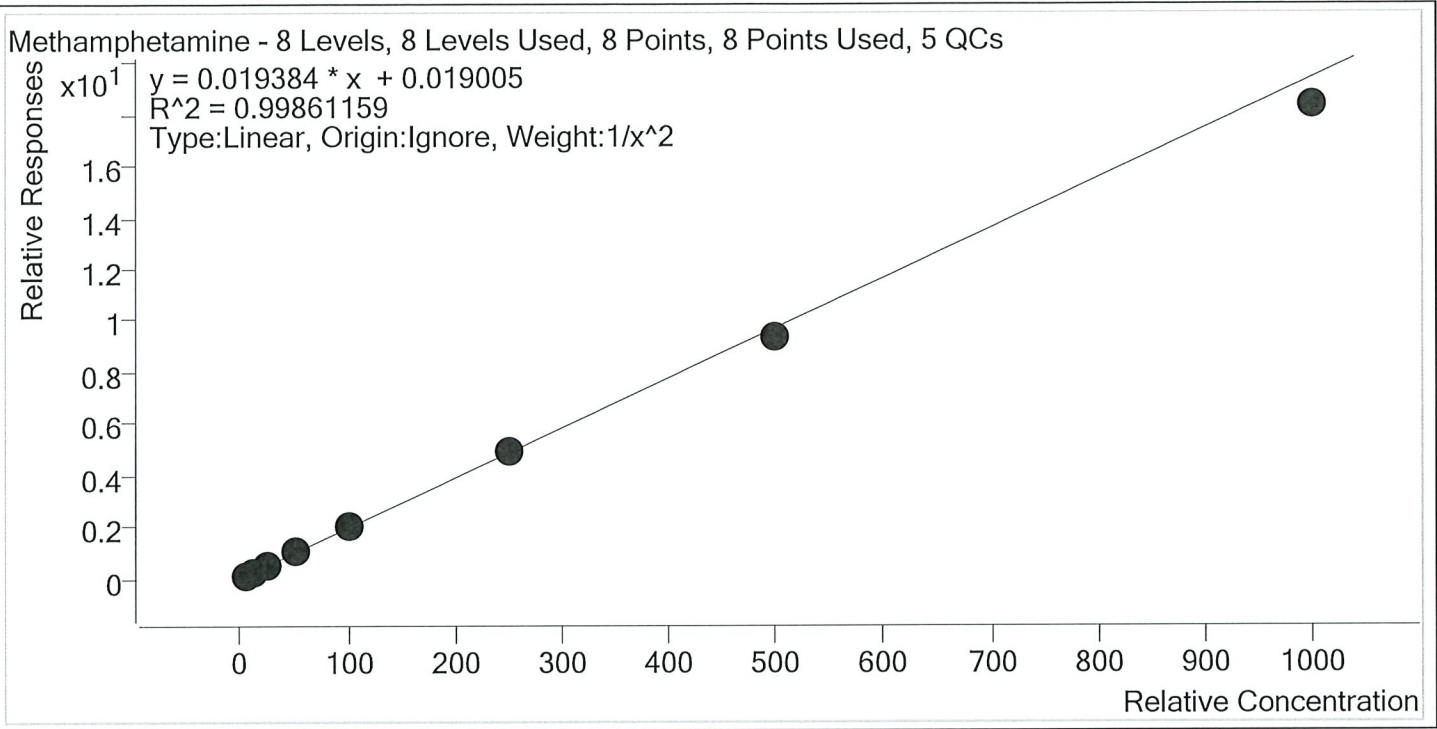
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	506.2	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1041.0	104.1

SP  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



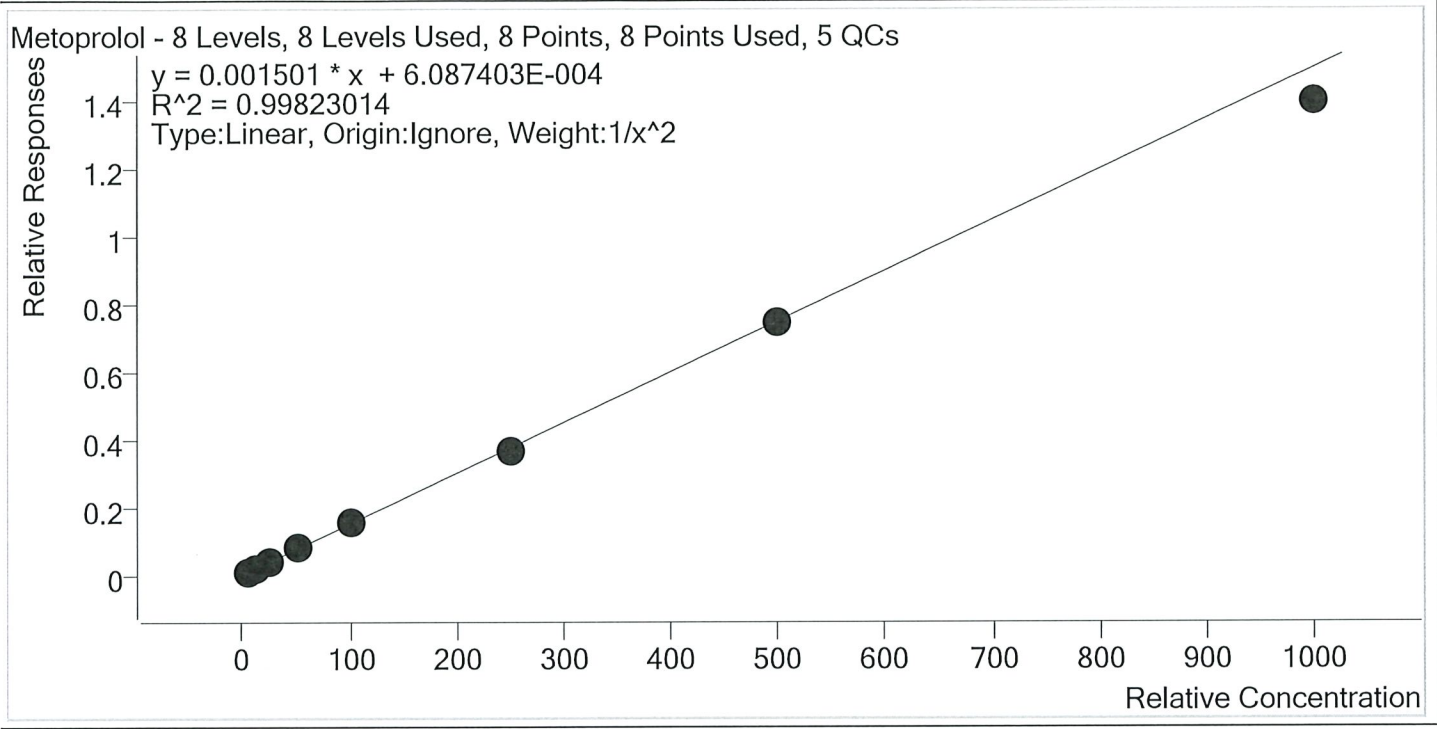
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5

55  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



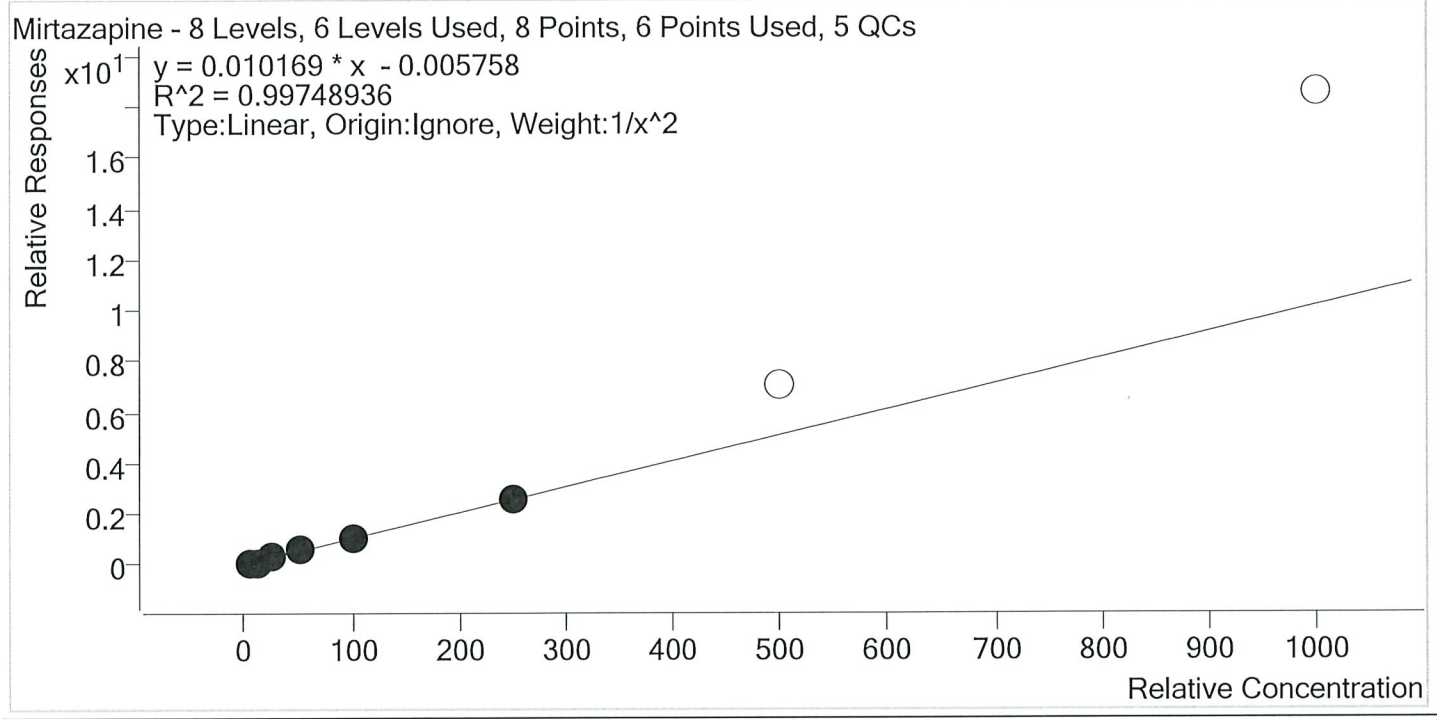
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	933.4	93.3

SP  
P



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 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	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	×	500.0	689.9	138.0
p1 Cal 8-1000ng	8	×	1000.0	1827.5	182.8



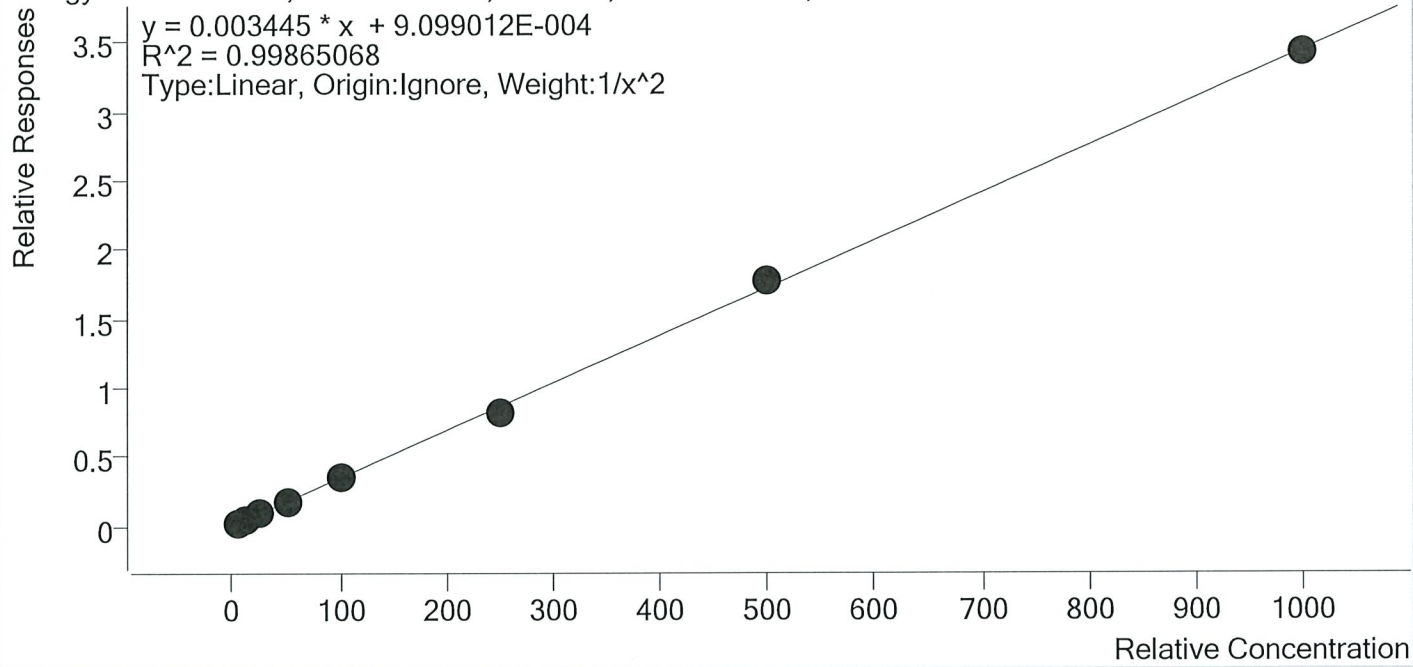
5  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

Mitragynine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



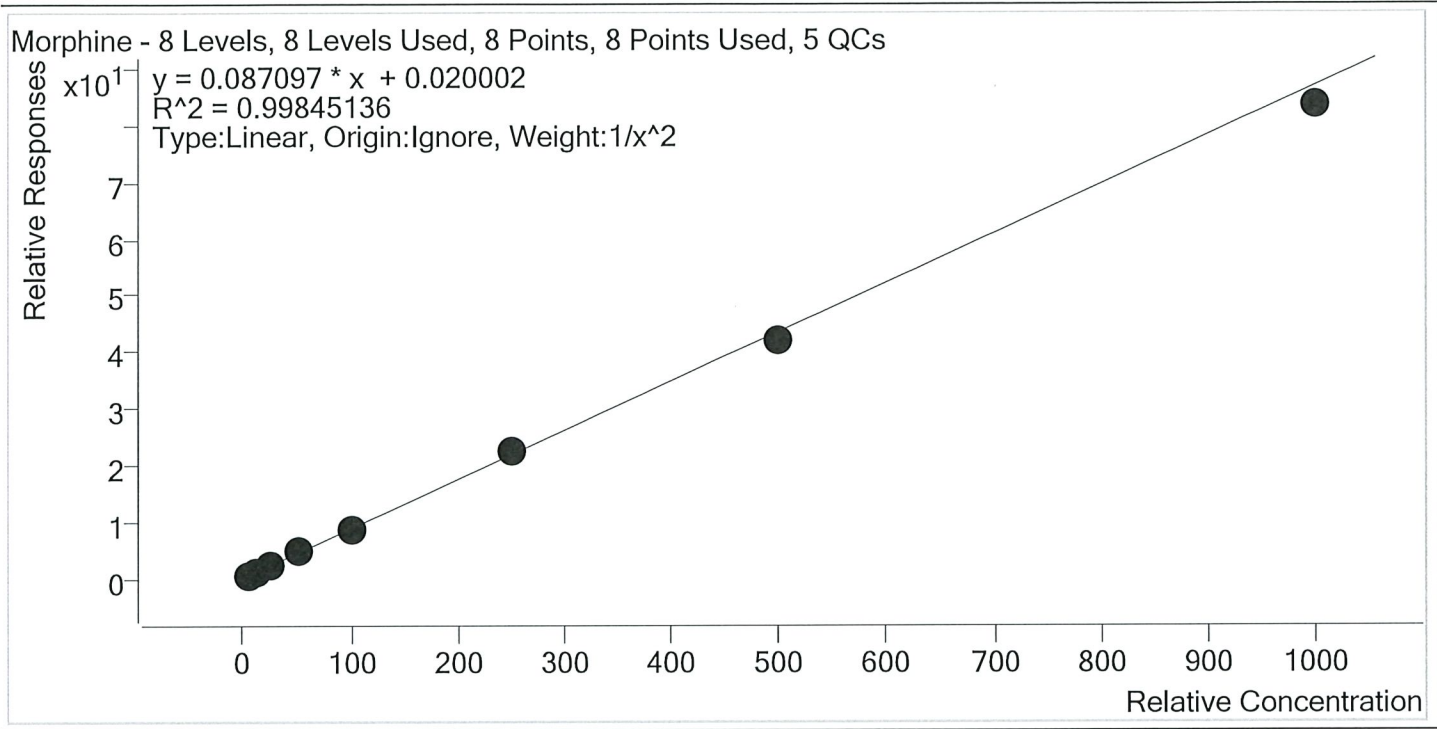
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	233.1	93.3
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	995.1	99.5

SJ SJ



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



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	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	960.5	96.1

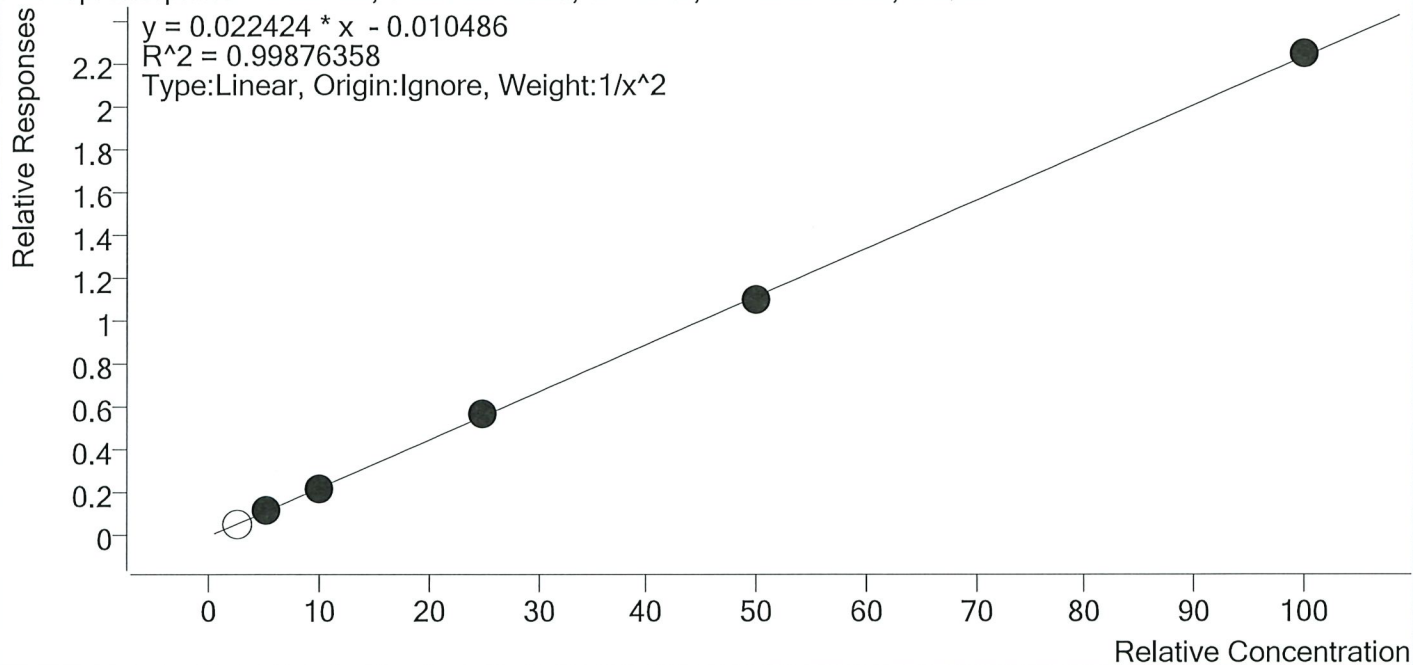


SJ  
P

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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte Norbuprenorphine Internal Standard Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 5 Levels Used, 6 Points, 5 Points Used, 3 QCs



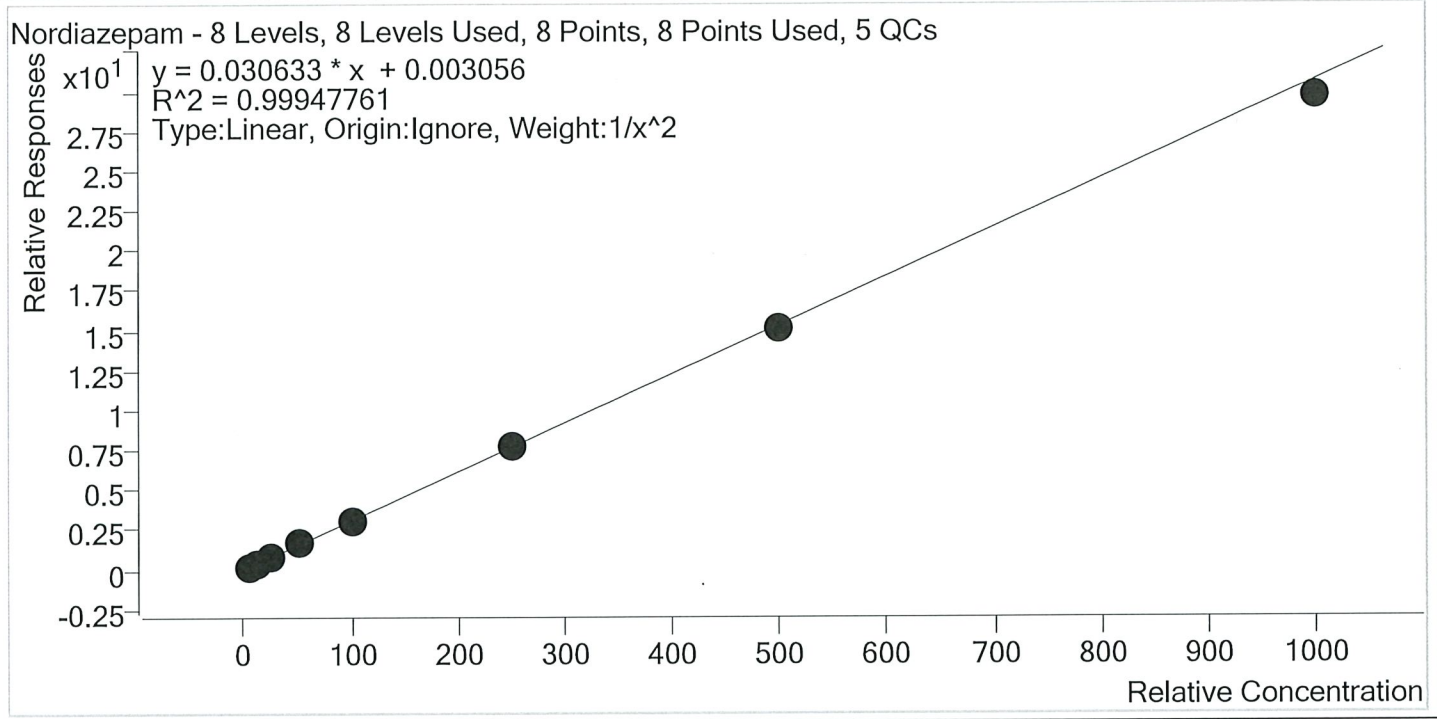
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	×	2.5	2.5	100.5
p1 Cal 4-50ng	4	✓	5.0	5.1	101.5
p1 Cal 5-100ng	5	✓	10.0	9.6	96.0
p1 Cal 6-250ng	6	✓	25.0	25.8	103.1
p1 Cal 7-500ng	7	✓	50.0	49.4	98.8
p1 Cal 8-1000ng	8	✓	100.0	100.6	100.6

SP  
SJ



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

Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
 Last Cal. Update 8/20/2020 10:15 AM  
 Analyst Name ISP\datastor  
 Analyte Nordiazepam Internal Standard Nordiazepam-D5

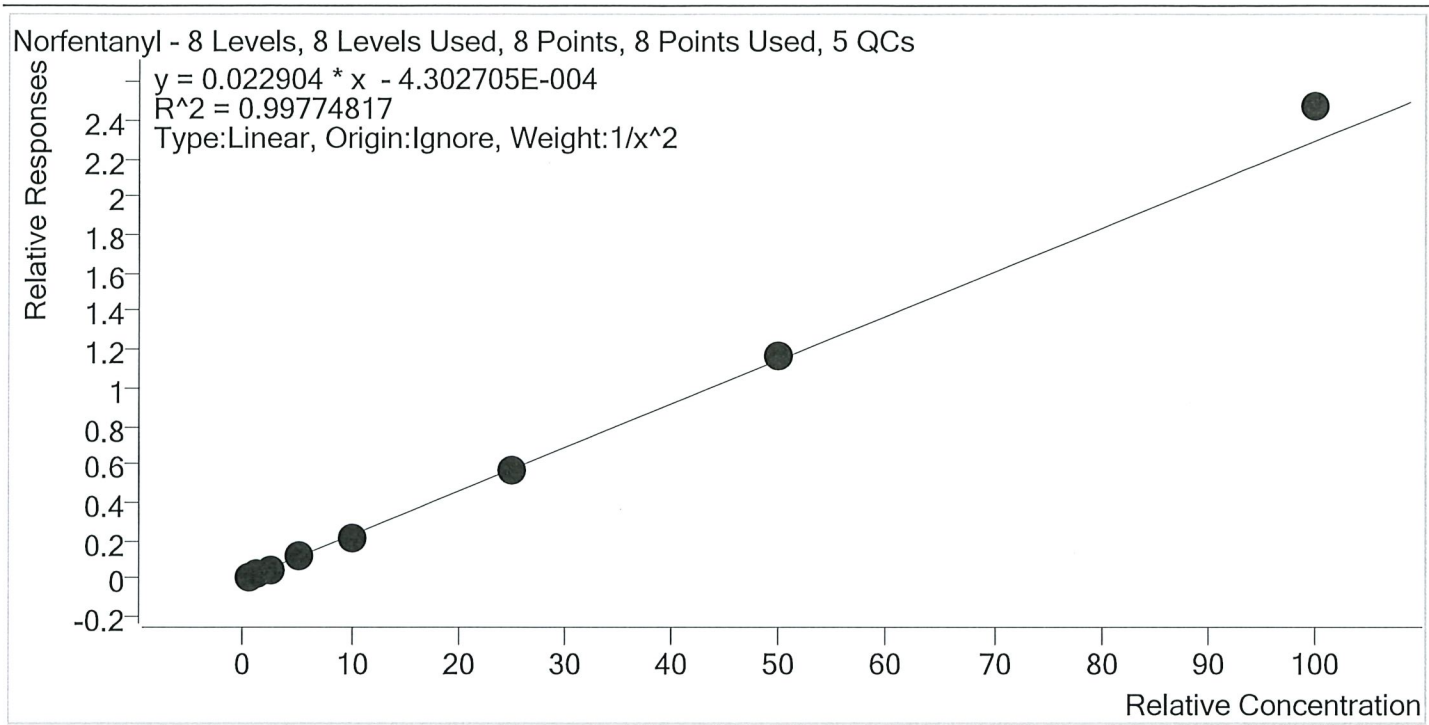


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	967.2	96.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



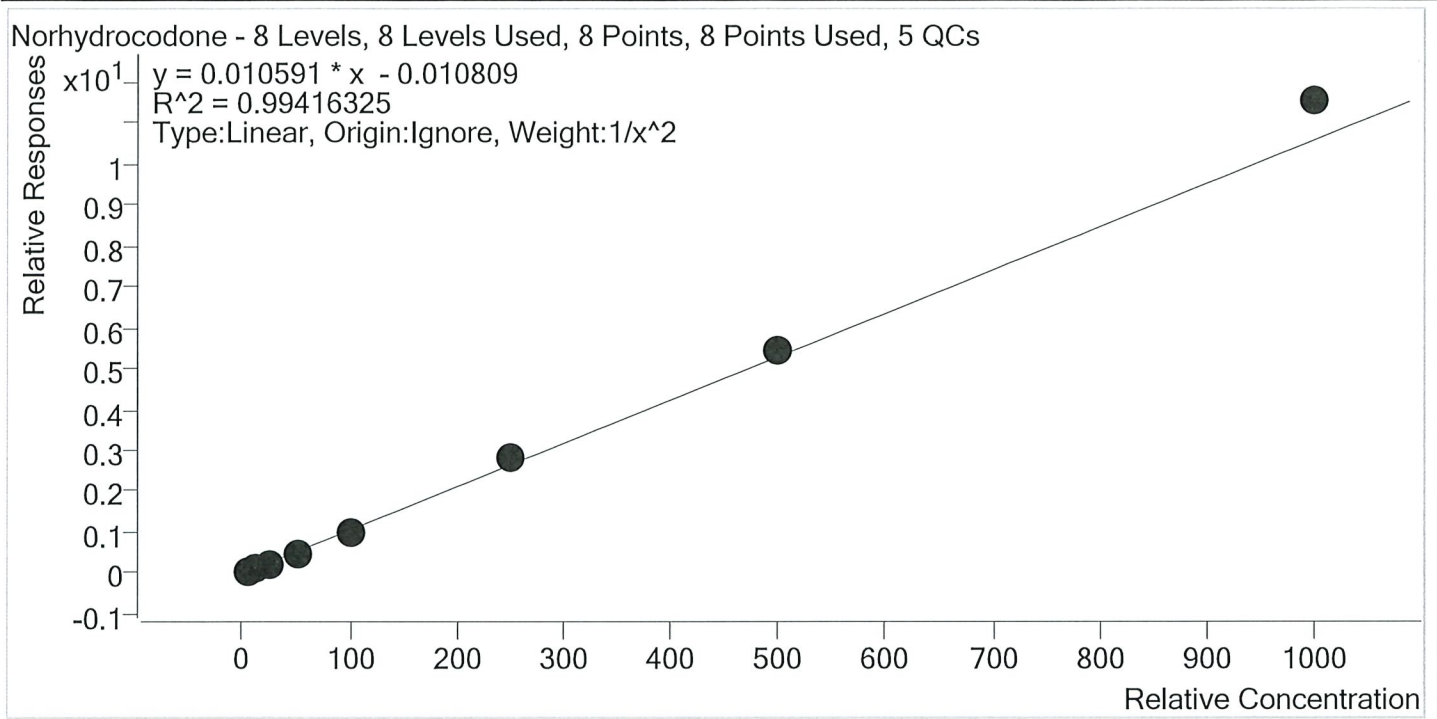
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	96.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.3
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	24.8	99.4
p1 Cal 7-500ng	7	✓	50.0	51.0	102.0
p1 Cal 8-1000ng	8	✓	100.0	107.8	107.8

5  
2



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	46.3	92.5
p1 Cal 5-100ng	5	✓	100.0	92.4	92.4
p1 Cal 6-250ng	6	✓	250.0	266.3	106.5
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1090.5	109.1

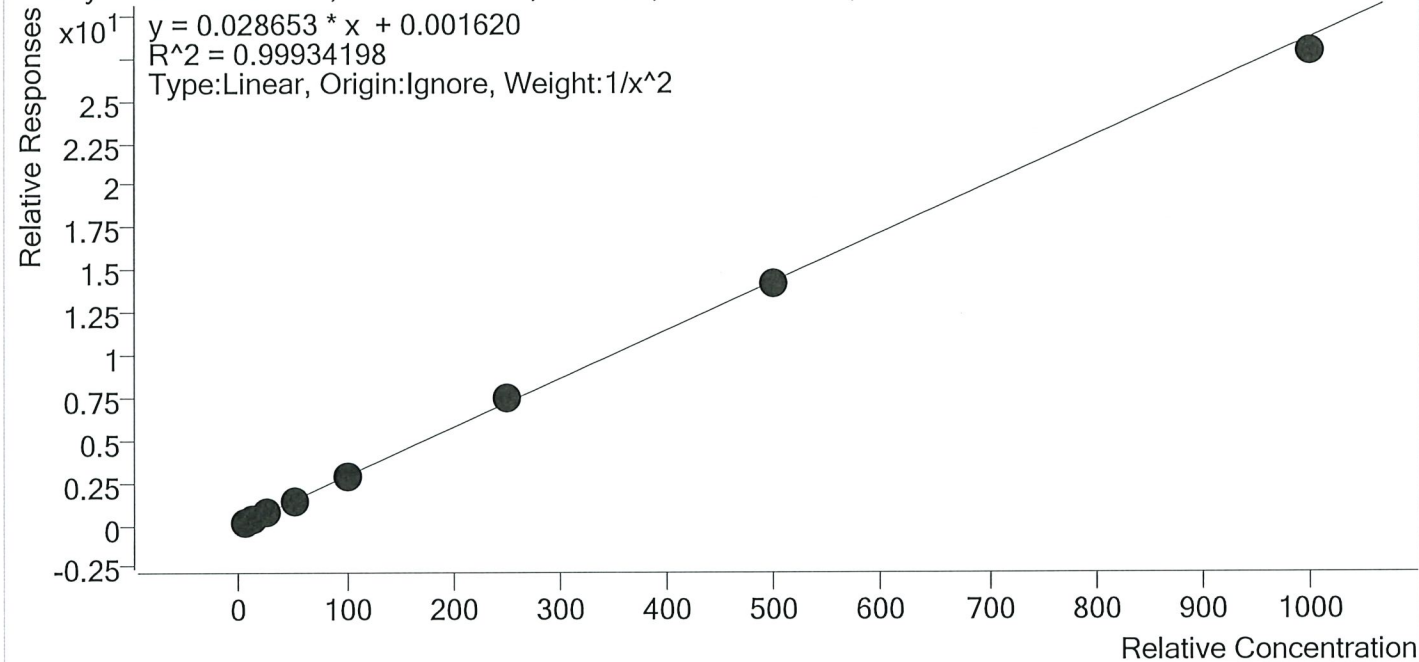
SP  
P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

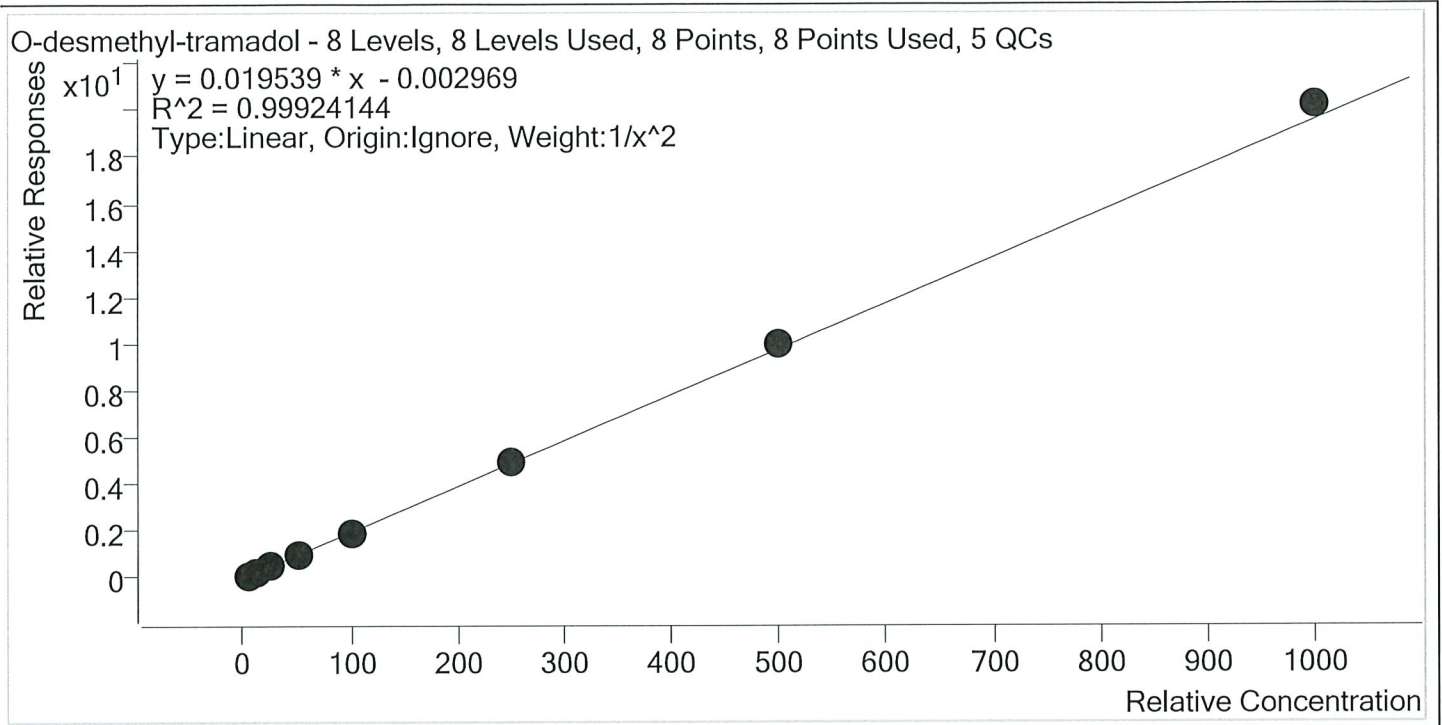


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	971.3	97.1



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1033.2	103.3

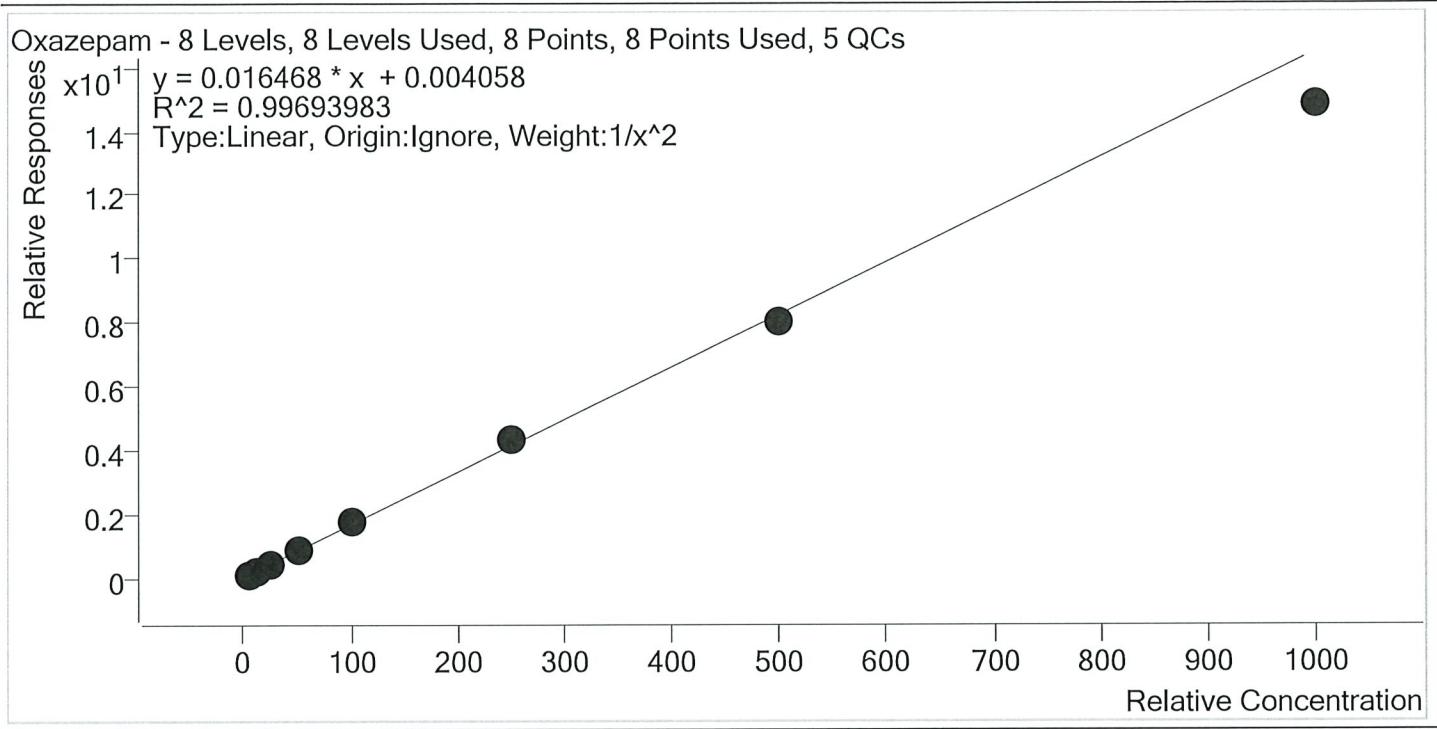


SJ



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



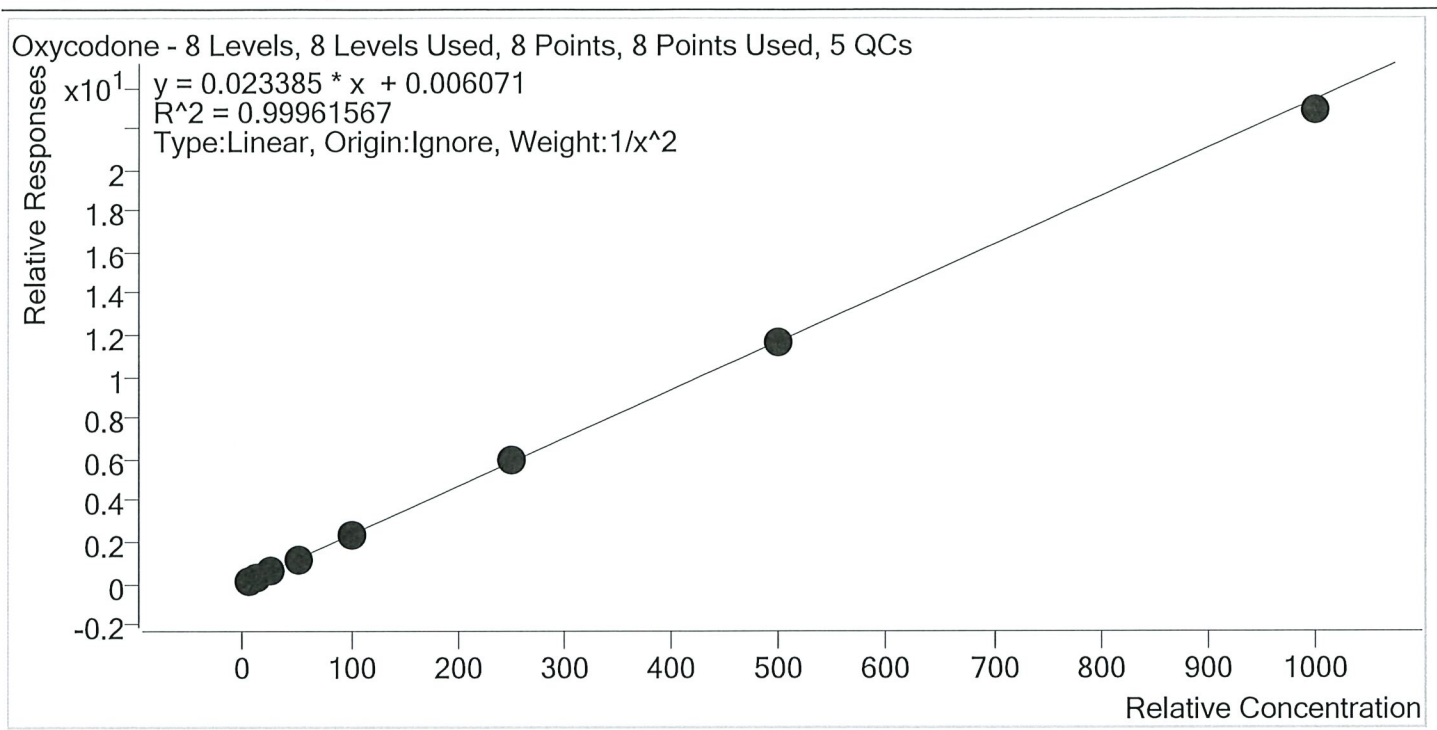
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	259.9	104.0
p1 Cal 7-500ng	7	✓	500.0	488.8	97.8
p1 Cal 8-1000ng	8	✓	1000.0	900.0	90.0

5  
R



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



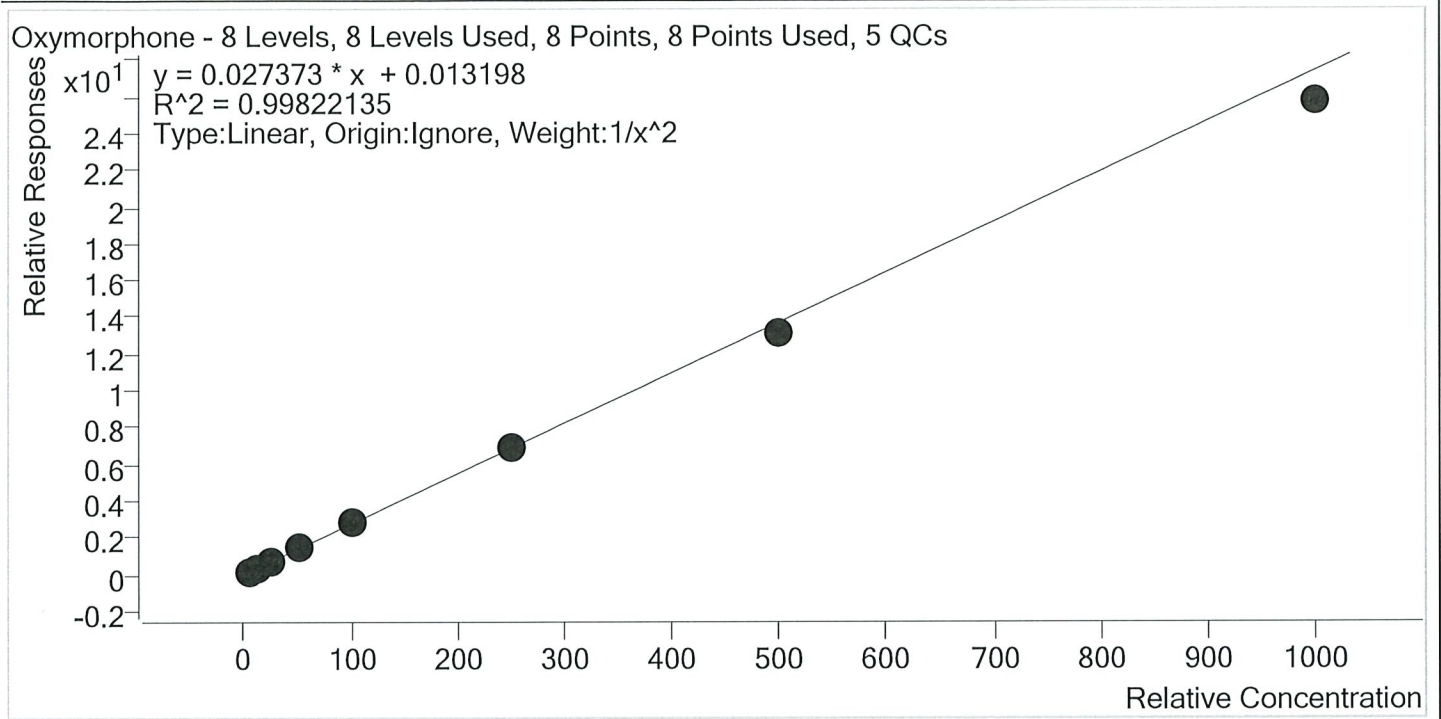
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	977.0	97.7

5  
12



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

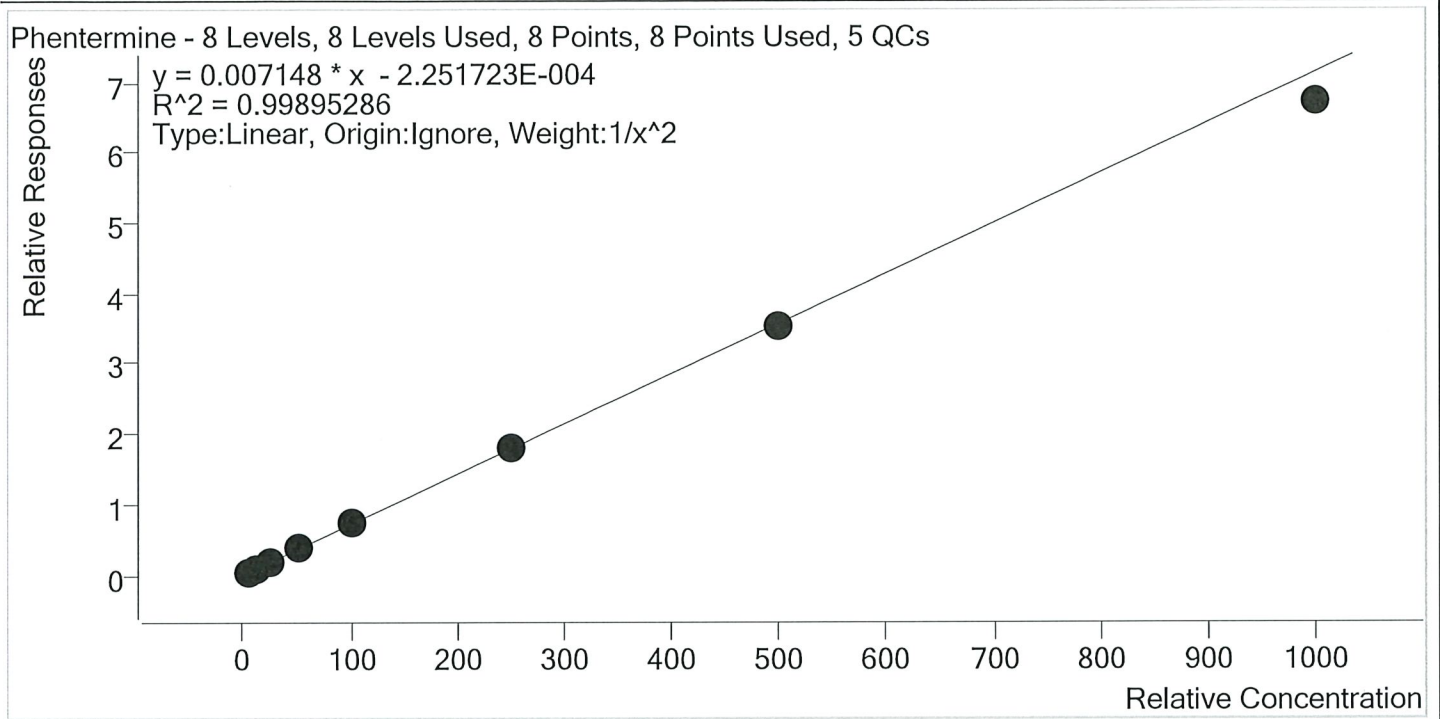


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✓	1000.0	938.9	93.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	941.1	94.1

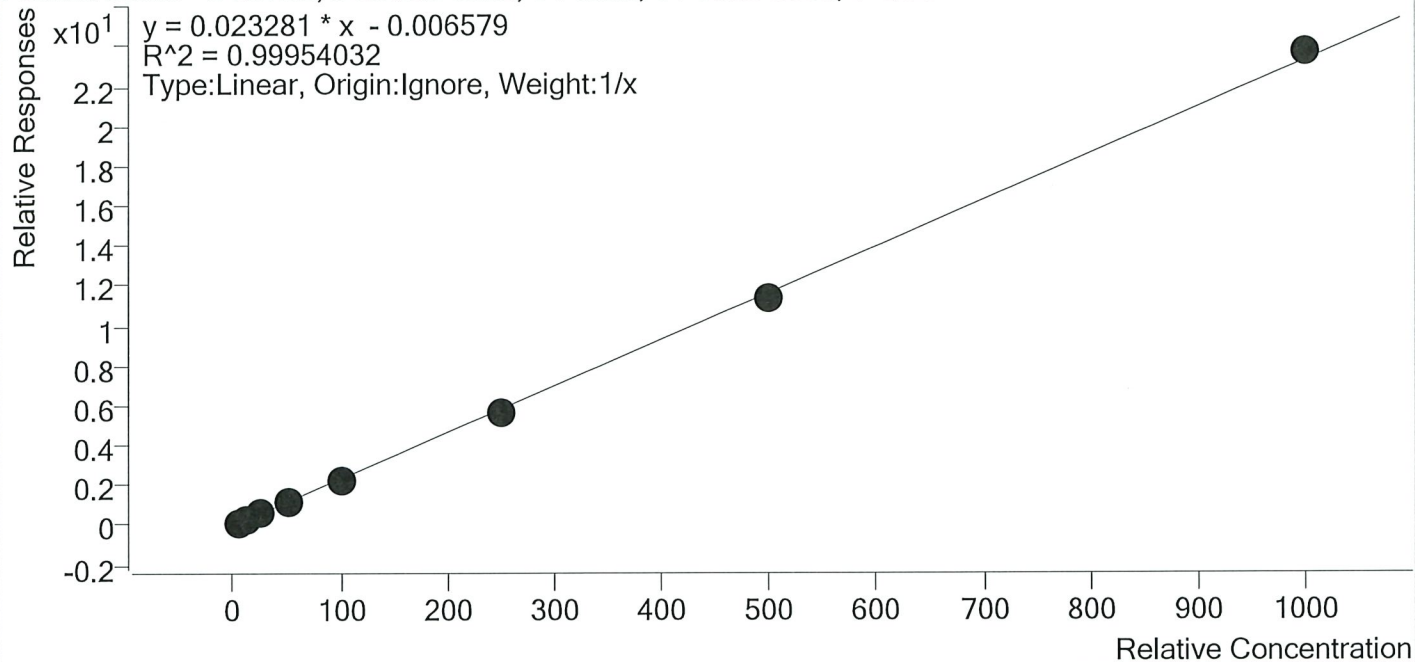


55  
P

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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



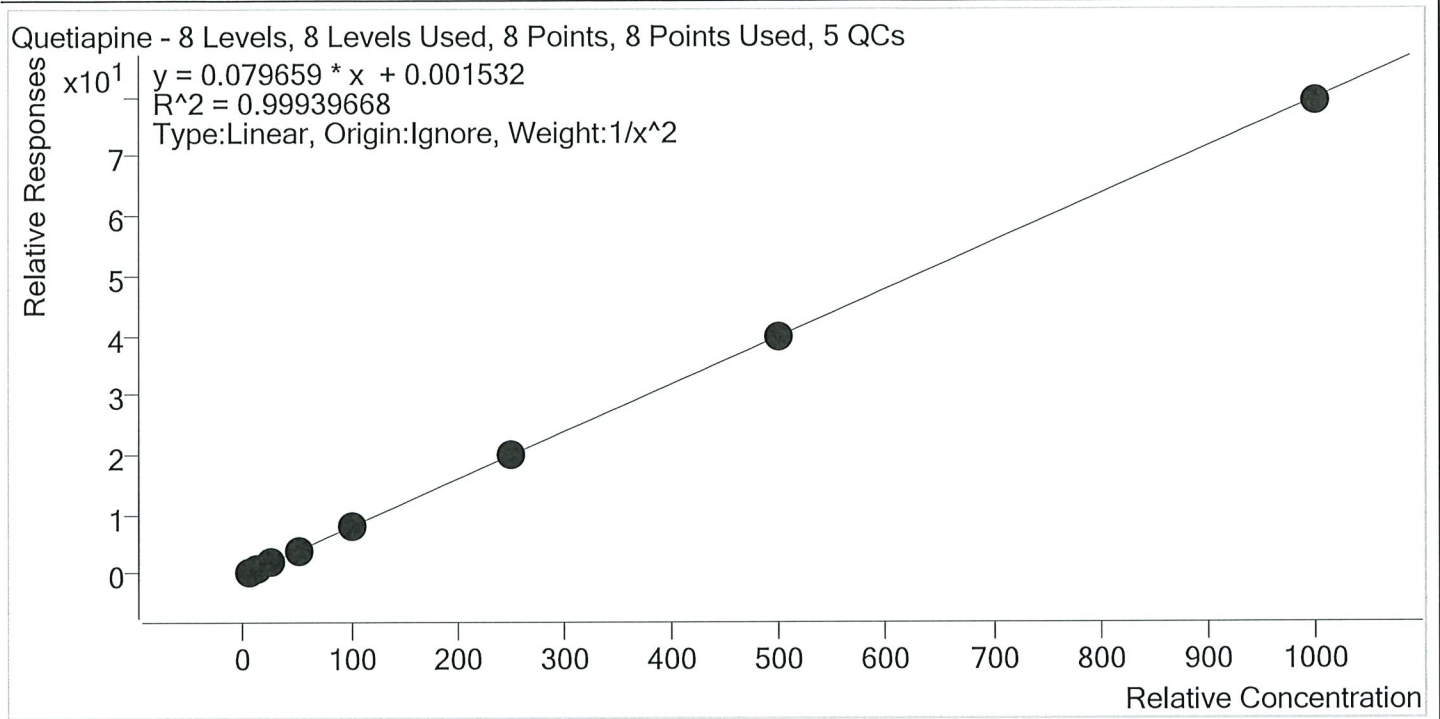
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	242.9	97.1
p1 Cal 7-500ng	7	✓	500.0	489.2	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1017.2	101.7

SJ  
SP



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



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	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	993.8	99.4

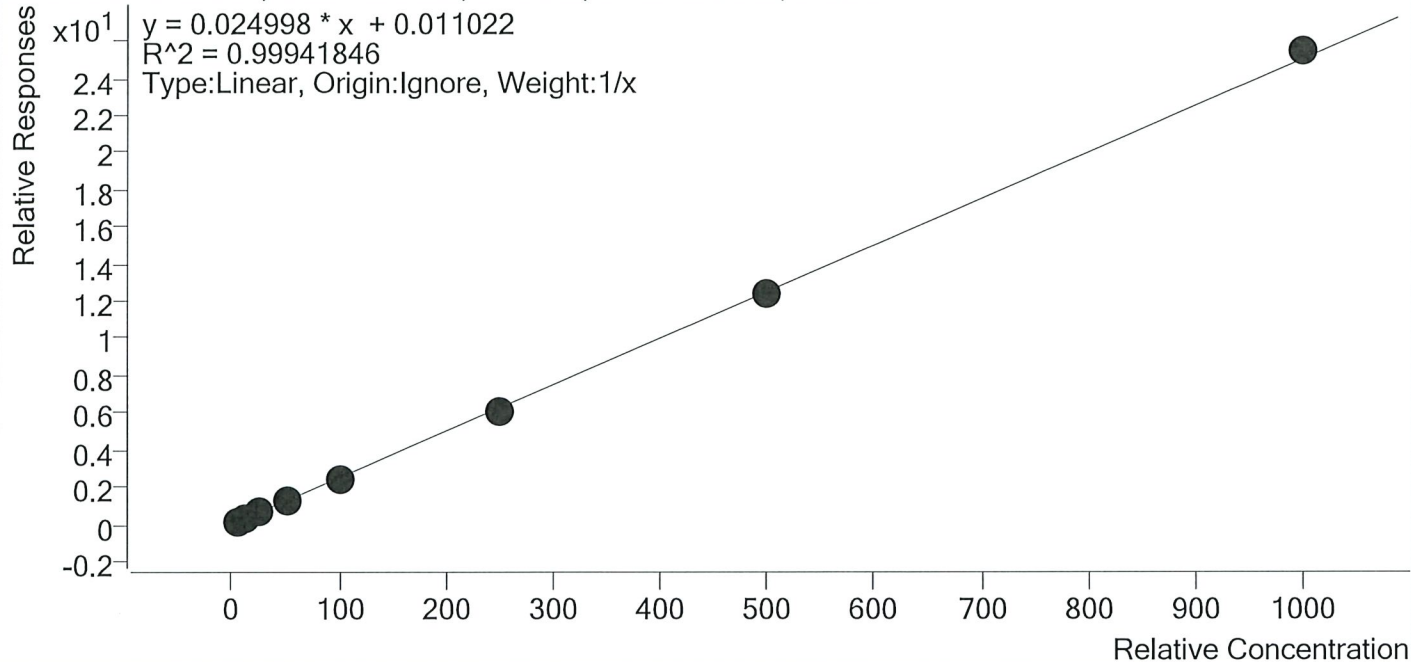
B  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



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	10.9	109.4
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	239.0	95.6
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.5	101.7

Did not evaluate

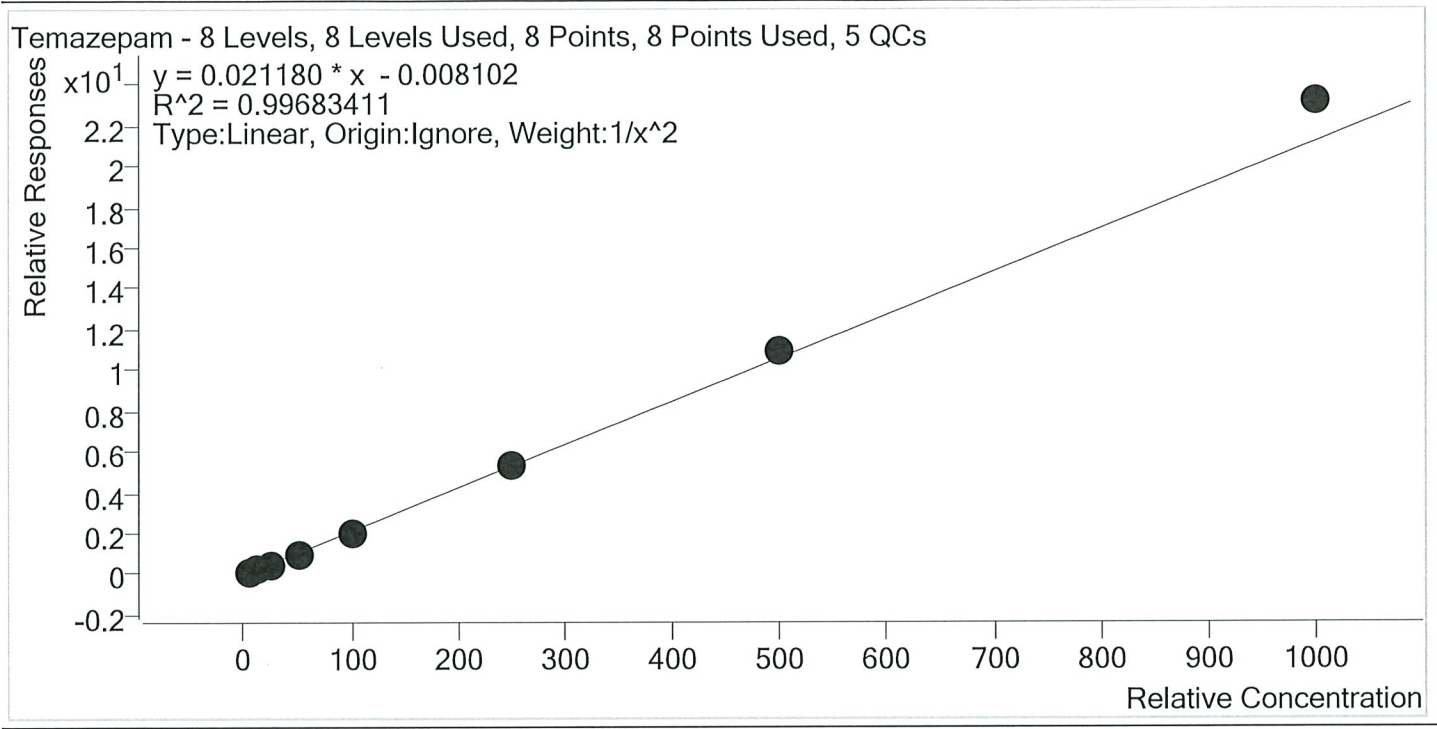
SJ

P



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1093.4	109.3

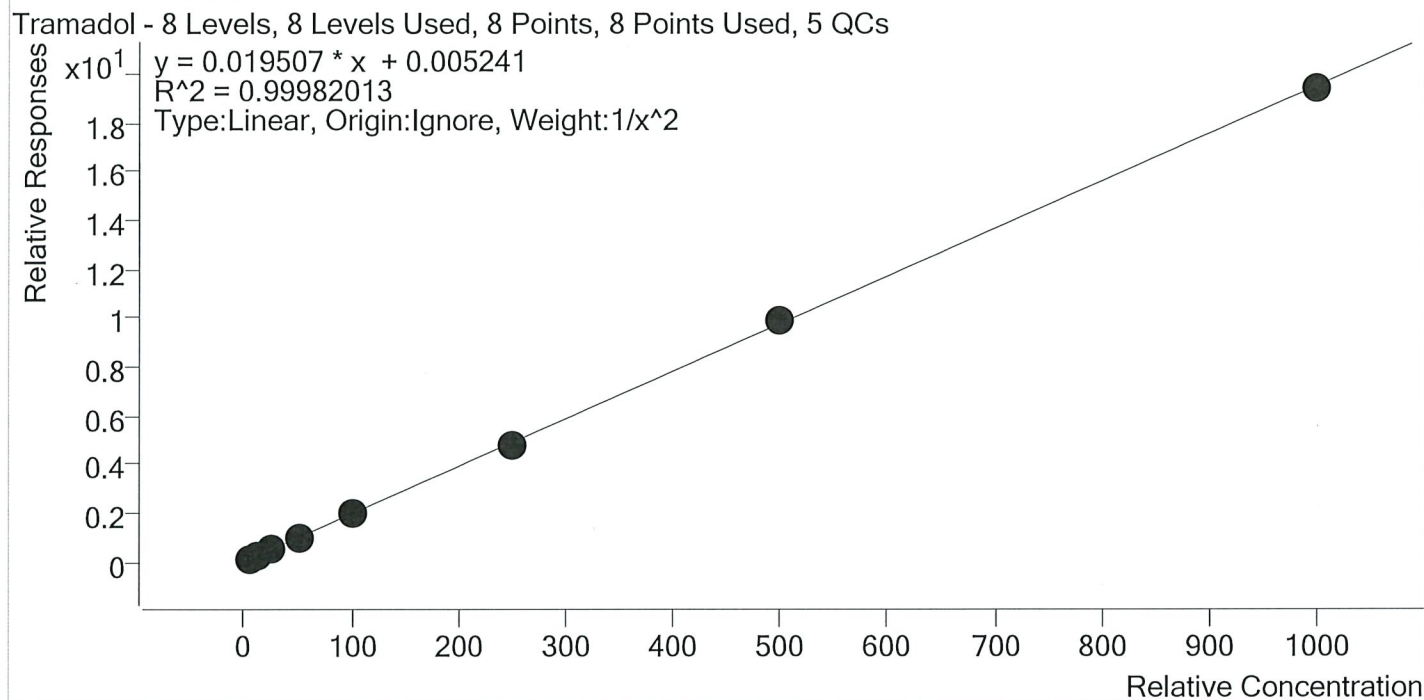


SJ



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



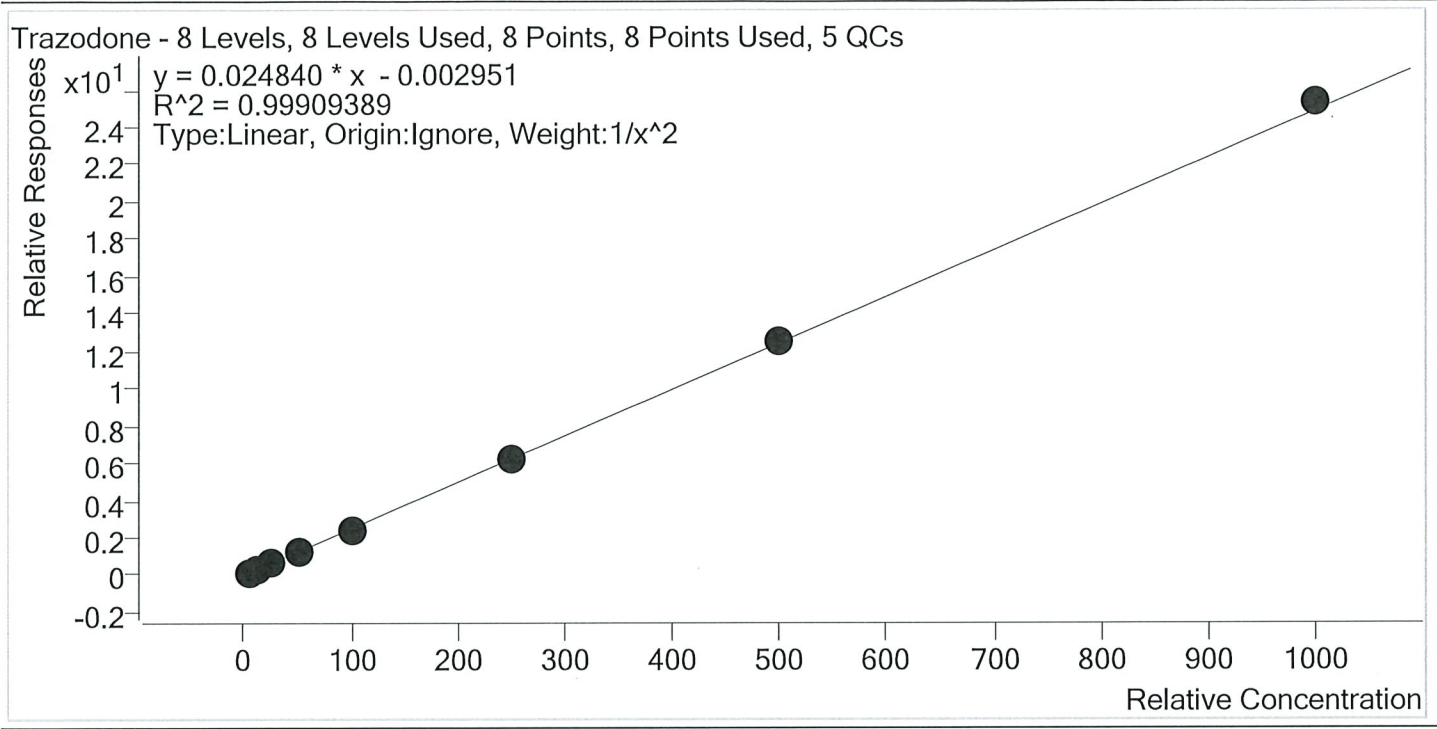
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	994.2	99.4

SJ  
D



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
 SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

SJ  
P



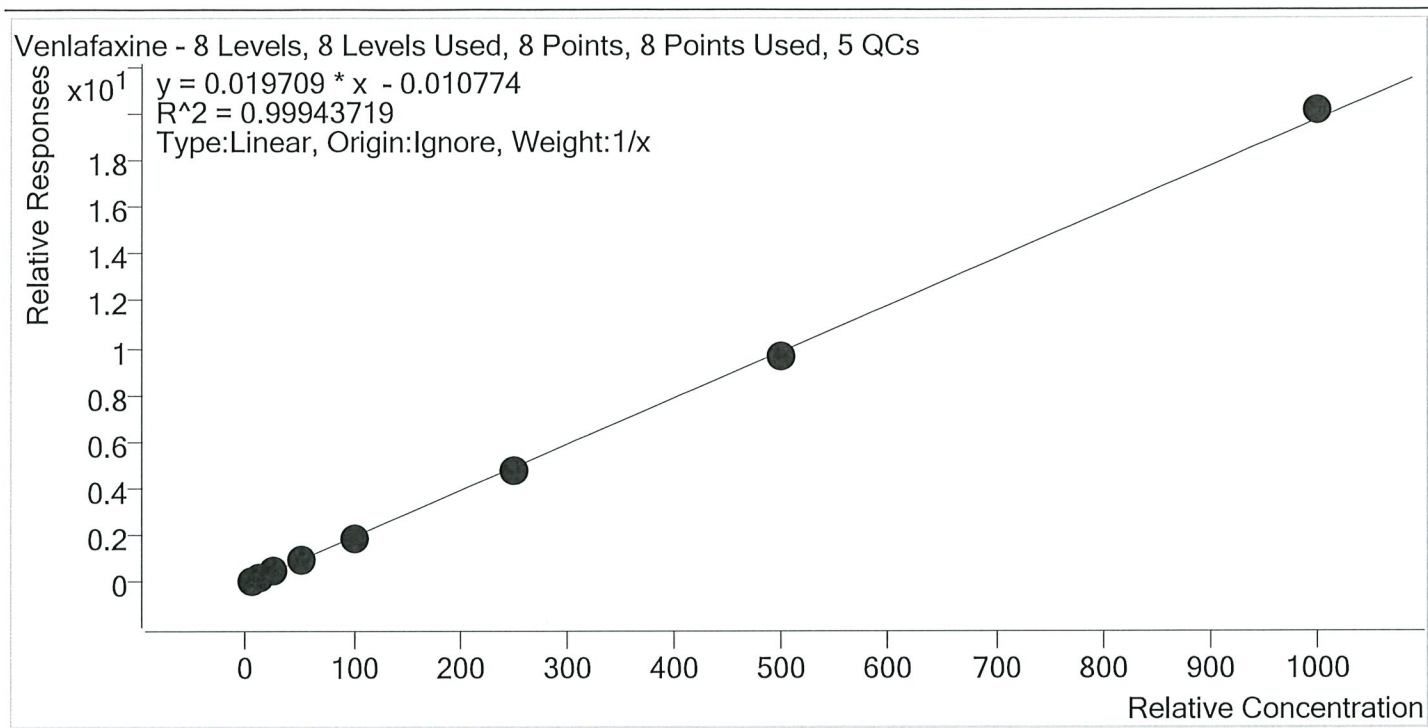
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ  
SP.batch.bin

**Last Cal. Update** 8/20/2020 10:15 AM

**Analyst Name** ISP\datastor

**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

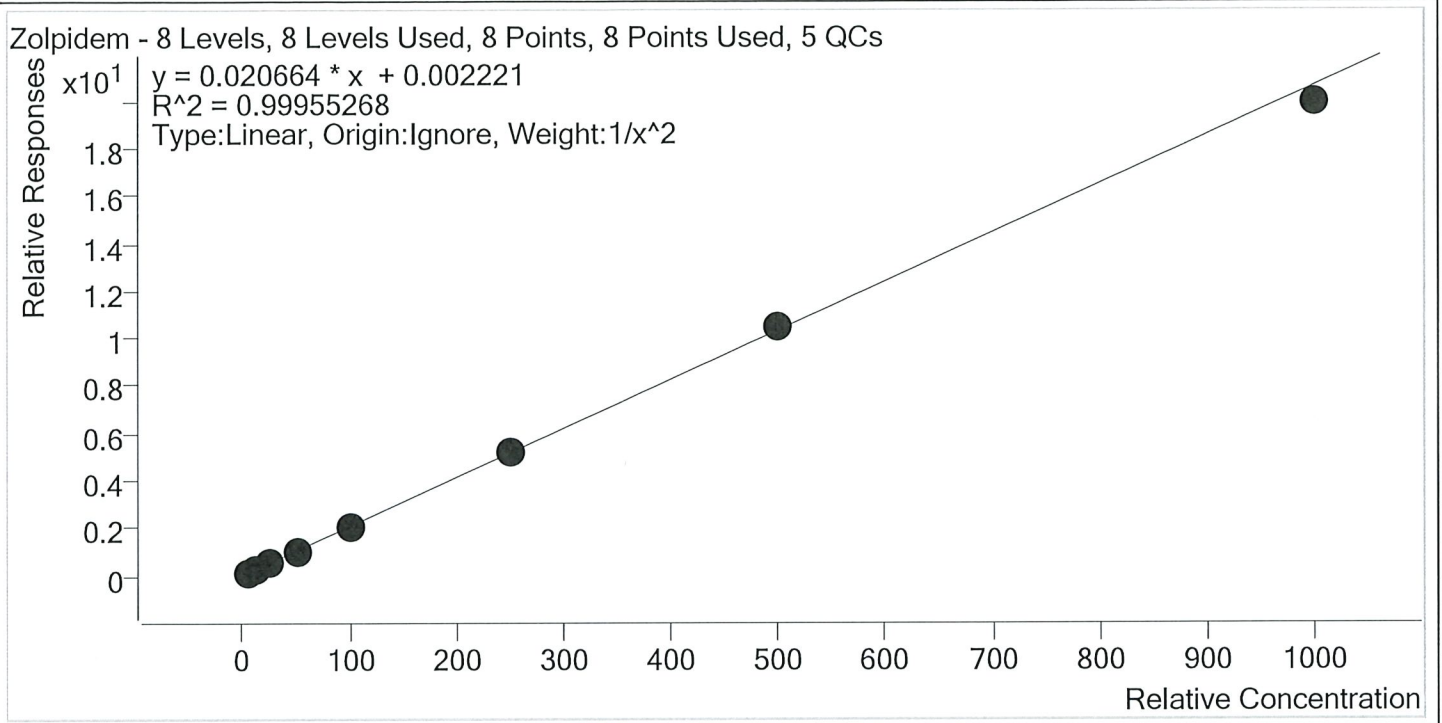


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1019.6	102.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Last Cal. Update** 8/20/2020 10:15 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	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.6

ST  
D



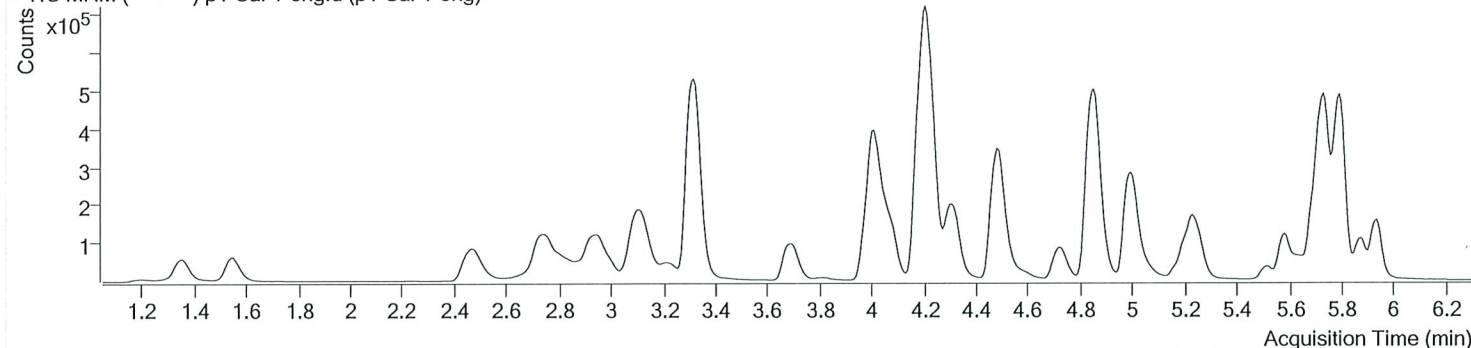
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 4:42:40 PM		

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p1 Cal 1-5ng.d (p1 Cal 1-5ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	1868	∞	70.8	54.59	76927	0.4921 ng/ml
7-aminoclonazepam	4.223	32272	1384.49	81.4	119.29	237556	4.9431 ng/ml
a-hydroxyalprazolam	5.674	17918	∞	58.3	921.02	82882	4.9451 ng/ml
alpha-PPH	4.881	11341	1560.82	261.6	694.28	579972	4.9335 ng/ml
alpha-PVP	4.322	68334	482.57	49.5	390.25	579972	5.3343 ng/ml
Alprazolam	5.758	59492	∞	107.8	335.81	342764	5.5744 ng/ml
Amphetamine	2.990	72123	355.57	50.6	469.19	147683	4.9167 ng/ml
Benzoylcegonine	3.838	2971	39.89	7.9	30.99	20440	5.1548 ng/ml
Bupropion	4.739	41480	1472.88	58.8	228.12	268480	5.0137 ng/ml
Carisoprodol	5.707	50234	10102.15	55.5	251.66	465133	4.9950 ng/ml
Citalopram	5.183	12053	135.88	42.4	∞	112204	5.0588 ng/ml
Clonazepam	5.588	76087	955.41	32.6	548.06	170975	4.9880 ng/ml
Cocaine	4.223	84423	5480.51	43.8	1692.77	1223731	5.2272 ng/ml
Cocaine	2.516	9859	99.03	107.4	91.90	90105	4.9429 ng/ml
Cyclobenzaprine	5.605	2263	3232.76	10.4	4.00 Low	18281	5.3208 ng/ml
Dextromethorphan	5.219	4693	3411.63	76.5	119.42	41954	5.2458 ng/ml
Dextrophan	4.070	16359	∞	214.7	∞	416067	4.9804 ng/ml
Diazepam	5.943	38599	255.72	89.2	291.40	373414	5.0397 ng/ml
Dihydrocodeine	2.495	25559	478.33	64.6	2474.18	270313	4.8807 ng/ml
Diphenhydramine	5.253	25572	2950.68	33.8	180.45	357504	5.3159 ng/ml
Doxylamine	4.500	134768	36992.67	101.3	15375.44	1149861	5.0326 ng/ml
EDDP	5.218	23473	3950.85	45.2	146.14	249076	5.0155 ng/ml
Fentanyl	5.040	357	15.96	74.7	1350.00	29364	0.5191 ng/ml
Fluoxetine	5.697	1900	24.99	8.0	∞	14605	3.4333 ng/ml
Hydrocodone	2.959	32851	∞	38.0	153.96	384060	4.8589 ng/ml
Hydromorphone	1.561	30337	∞	77.7	278.08	190266	4.9939 ng/ml
Ketamine	4.003	68848	4491.21	39.1	237.17	582966	4.9537 ng/ml
Lamotrigine	4.232	5641	382.18	82.8	709.10	582966	4.9845 ng/ml
Lorazepam	5.729	64969	∞	55.3	297.06	170975	4.9607 ng/ml
MDA	3.137	61068	981.68	20.1	38.99	269437	4.9828 ng/ml
MDMA	3.237	47423	58092.76	62.3	784.87	88596	5.0771 ng/ml
Meprobamate	4.869	22697	612.86	27.8	137.87	234855	4.8781 ng/ml
Methadone	5.636	12379	211.35	52.3	104.35	119773	5.0544 ng/ml

# AM #28 Multi-Drug Quant. Results



SR

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.171	50711	262.85	40.8	46.70	443786	4.9147 ng/ml
Metoprolol	4.285	12415	∞	97.5	850.85	1539462	4.9679 ng/ml
Mirtazapine	4.589	26785	1425.20	48.5	495.72	579972	5.1079 ng/ml
Mitragynine	5.194	2142	48.64	43.6	77.55	119773	4.9259 ng/ml
Morphine	1.206	5352	177.55	24.2	60.00	11807	4.9747 ng/ml
Nordiazepam	5.882	37703	1784.20	57.0	1214.92	240165	5.0250 ng/ml
Norfentanyl	4.044	11027	65.63	35.7	30.43	970158	0.5150 ng/ml
Norhydrocodone	3.014	2998	54.30	44.7	103.13	69961	5.0666 ng/ml
Noroxycodone	2.845	30070	531.19	44.6	16.91	205709	5.0451 ng/ml
O-desmethyl-tramadol	3.323	180071	1087.31	6.4	218.14	1869484	5.0815 ng/ml
Oxazepam	5.739	69326	∞	72.2	117.65	805578	4.9793 ng/ml
Oxycodone	2.762	73001	550.68	29.3	375.97	590592	5.0262 ng/ml
Oxymorphone	1.356	30838	227.12	47.4	794.01	207340	4.9514 ng/ml
Phentermine	3.730	13844	∞	3.9	22.22	392728	4.9628 ng/ml
Promethazine	5.515	4994	59.92	31.1	44.37	45111	5.0381 ng/ml
Quetiapine	5.532	15231	∞	59.4	∞	38208	4.9851 ng/ml
Sertraline	5.765	1061	12.22	81.6	4338.48	7494	5.2232 ng/ml
Temazepam	5.799	117722	324.99	29.4	194.13	1171226	5.1281 ng/ml
Tramadol	4.197	158430	3187.72	3.5	28.08	1539462	5.0070 ng/ml
Trazodone	5.114	11581	∞	77.0	255.23	95451	5.0031 ng/ml
Venlafaxine	4.994	89823	1460.42	36.3	190.15	920234	5.4993 ng/ml
Zolpidem	4.872	162382	90736.91	30.9	∞	1531659	5.0231 ng/ml

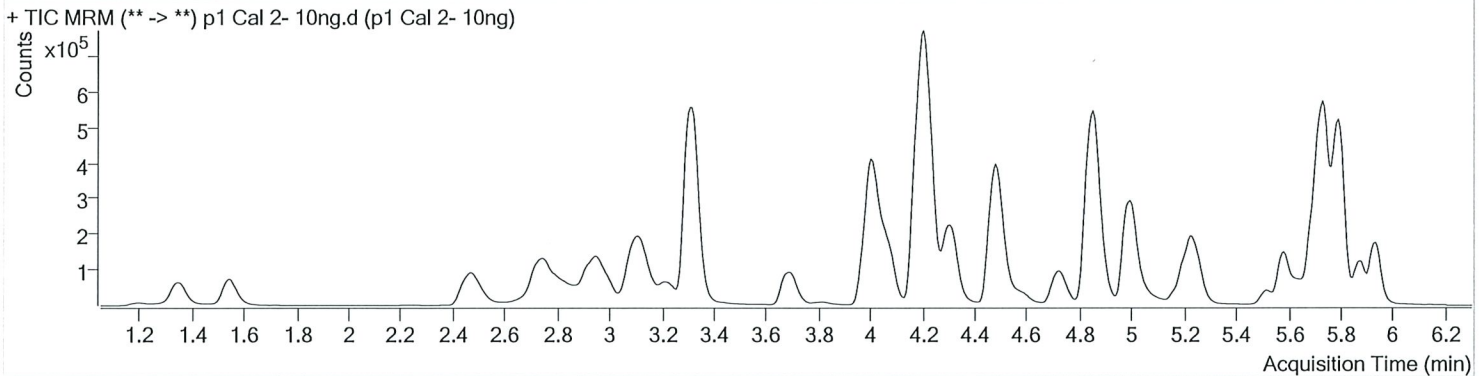
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Calibration Last Update 8/20/2020 10:15:23 AM

Instrument Falco Data File p1 Cal 2- 10ng.d  
 Type Cal Sample p1 Cal 2- 10ng  
 Acq. Method MDQ P1 060520.m Operator Sarah Pickle  
 Sample Position P1-G12 Comment  
 Injection Volume 2  
 Acq. Date-Time 8/18/2020 4:53:32 PM  
 Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	3703	25271.63	71.7	5531.50	75408	1.0218 ng/ml
7-aminoclonazepam	4.216	62945	1322.75	82.1	2484.89	234687	10.0950 ng/ml
a-hydroxyalprazolam	5.674	33674	789.40	61.3	∞	80298	10.0358 ng/ml
alpha-PHP	4.888	21197	263.59	263.4	2765.59	563457	9.9898 ng/ml
alpha-PVP	4.315	131390	2413.63	49.3	239.64	563457	10.2085 ng/ml
Alprazolam	5.758	111998	1539.12	107.9	941.86	340158	9.8835 ng/ml
Amphetamine	2.983	131905	965.51	51.6	914.73	137999	10.1030 ng/ml
Benzoylcegonine	3.831	5891	171.00	7.9	375.09	21222	9.7463 ng/ml
Buprenorphine	5.836	1141	9.67 <b>Low</b>	10.4 <b>Low</b>	4.45 <b>Low</b>	36529	2.0249 ng/ml
Bupropion	4.739	77671	2285.00	59.3	201.93	254777	9.9809 ng/ml
Carisoprodol	5.707	95996	159767.33	55.0	325.48	458882	9.8985 ng/ml
Citalopram	5.176	23149	1299.23	44.2	25486.31	109001	9.7894 ng/ml
Clonazepam	5.581	144789	19634.02	33.2	3215.91	167462	9.9858 ng/ml
Cocaine	4.223	159916	19362.33	44.7	347.75	1160458	10.1152 ng/ml
Codeine	2.509	19030	87271.05	105.8	7071.17	86682	10.1479 ng/ml
Cyclobenzaprine	5.605	4569	6638.41	9.1	6.26 <b>Low</b>	18800	10.1067 ng/ml
Dextromethorphan	5.226	9044	173.11	79.5	164.84	42311	9.9817 ng/ml
Dextrorphan	4.070	32182	849.22	212.9	602.48	405889	9.9566 ng/ml
Diazepam	5.943	74872	354.32	87.1	299.31	361637	9.8943 ng/ml
Dihydrocodeine	2.495	50055	2572.63	63.2	453.59	264685	10.1679 ng/ml
Diphenhydramine	5.247	49643	308.22	32.9	324.82	348886	10.0738 ng/ml
Doxylamine	4.494	264990	12864.42	97.9	∞	1119944	9.9708 ng/ml
EDDP	5.218	52451	2503.92	43.7	399.57	278293	9.9678 ng/ml
Fentanyl	5.047	652	527.17	71.7	1949.35	30515	0.9386 ng/ml
Fluoxetine	5.697	3433	45.19	12.6 <b>High</b>	23.30	13962	8.2842 ng/ml
Hydrocodone	2.959	62980	86.24	36.4	94.64	371937	10.2157 ng/ml
Hydromorphone	1.553	57499	152.41	79.4	203.83	180973	10.1292 ng/ml
Ketamine	4.003	129951	6625.42	38.9	1583.74	553530	10.1235 ng/ml
Lamotrigine	4.232	10213	454.56	82.6	11296.41	553530	9.7605 ng/ml
Lorazepam	5.729	120531	303.60	55.3	607.86	167462	10.1450 ng/ml
MDA	3.130	113694	887.90	21.1	155.60	256004	9.9805 ng/ml
MDMA	3.231	88803	∞	65.0	1006.06	86029	9.7452 ng/ml
Meprobamate	4.862	44967	2272.09	26.8	361.68	232643	10.2730 ng/ml

# AM #28 Multi-Drug Quant. Results



D.S.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	24126	1344.32	53.8	116.25	117486	9.8606 ng/ml
Methamphetamine	3.158	89985	260.23	41.0	124.64	414838	10.2103 ng/ml
Metoprolol	4.278	23262	2171.87	94.5	∞	1501874	9.9153 ng/ml
Mirtazapine	4.582	51822	6864.93	49.5	5889.19	563457	9.6107 ng/ml
Mitragynine	5.181	4244	1835.20	37.9	1541.88	117486	10.2219 ng/ml
Morphine	1.200	10502	277.01	24.2	∞	11950	9.8603 ng/ml
Nordiazepam	5.882	69752	1274.65	59.0	2596.93	230171	9.7928 ng/ml
Norfentanyl	4.037	20752	378.85	37.2	102.89	959886	0.9627 ng/ml
Norhydrocodone	3.014	6327	309.17	38.8	443.75	65024	10.2087 ng/ml
Noroxycodone	2.838	56290	579.27	40.3	809.57	198908	9.8200 ng/ml
O-desmethyl-tramadol	3.317	343558	5181.67	6.1	275.12	1813988	9.8449 ng/ml
Oxazepam	5.732	132980	3127.83	72.2	729.20	797538	9.8785 ng/ml
Oxycodone	2.756	135788	747.60	29.7	411.09	573848	9.8594 ng/ml
Oxymorphone	1.350	57591	223.97	45.5	183.11	199322	10.0733 ng/ml
Phentermine	3.723	26491	285.82	3.4	35.14	369044	10.0733 ng/ml
Promethazine	5.515	10125	75.39	30.8	94.92	43664	10.2432 ng/ml
Quetiapine	5.532	28379	165.97	58.8	∞	34891	10.1914 ng/ml
Sertraline	5.765	2041	14.20	79.6	449.77	7173	10.9435 ng/ml
Temazepam	5.799	223004	∞	30.5	244.56	1115904	9.8178 ng/ml
Tramadol	4.197	300226	2200.36	3.5	217.09	1501874	9.9790 ng/ml
Trazodone	5.114	22868	1147.36	78.1	5622.92	91440	10.1869 ng/ml
Venlafaxine	4.994	166244	461.36	35.4	352.97	869346	10.2494 ng/ml
Zolpidem	4.865	311939	∞	31.3	∞	1502692	9.9385 ng/ml



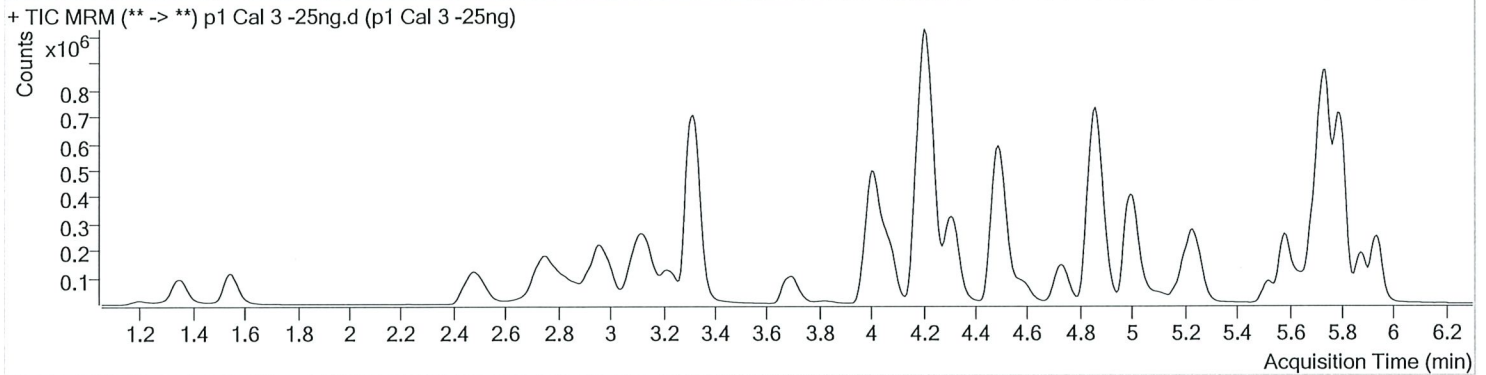
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Calibration Last Update 8/20/2020 10:15:23 AM

**Instrument** Falco **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** MDQ P1 060520.m **Operator** Sarah Pickle  
**Sample Position** P1-F12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/18/2020 5:04:06 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	9552	1158.14	68.7	488.08	79696	2.5313 ng/ml
7-aminoclonazepam	4.223	155541	270.60	83.0	192.98	237175	25.1819 ng/ml
a-hydroxyalprazolam	5.674	84348	1085.12	63.1	1093.11	82493	25.1470 ng/ml
alpha-PHP	4.888	54540	2950.65	271.9	∞	585416	25.5354 ng/ml
alpha-PVP	4.315	330034	19120.17	50.4	423.73	585416	24.1759 ng/ml
Alprazolam	5.758	285233	5582.01	108.0	933.66	342858	23.7962 ng/ml
Amphetamine	2.977	338226	1691.71	50.9	1184.77	144312	25.5005 ng/ml
Benzoylcegonine	3.831	13534	761.36	7.5	68.82	20164	23.4095 ng/ml
Buprenorphine	5.829	2160	36.89	15.2	37.00	38640	2.8913 ng/ml
Bupropion	4.739	198958	12091.44	58.9	2200.21	266184	24.6018 ng/ml
Carisoprodol	5.707	242195	423573.18	55.0	1146.64	461482	25.1926 ng/ml
Citalopram	5.176	67102	648.40	41.2	961.88	121905	25.0271 ng/ml
Clonazepam	5.588	366881	58658.78	33.8	548.96	175241	24.6242 ng/ml
Cocaine	4.223	408908	1047341.89	46.0	∞	1209803	24.3347 ng/ml
Codeine	2.516	47928	263.30	105.1	3356.20	89093	25.1973 ng/ml
Cyclobenzaprine	5.605	16367	3079.23	9.9	56.10	27804	23.9771 ng/ml
Dextromethorphan	5.219	25290	774.32	83.5	33688.62	49820	23.6435 ng/ml
Dextrorphan	4.070	84761	715.30	207.0	323.64	425630	24.8788 ng/ml
Diazepam	5.943	191748	1936.60	86.8	514.53	368673	24.5541 ng/ml
Dihydrocodeine	2.495	126423	699.78	63.2	459.49	270017	25.7736 ng/ml
Diphenhydramine	5.247	137974	757.72	31.3	1768.51	392013	24.1717 ng/ml
Doxylamine	4.494	680900	13151.86	98.1	23816.60	1163685	24.3842 ng/ml
EDDP	5.218	139900	3681.09	43.2	1477.48	296371	24.8706 ng/ml
Fentanyl	5.060	2154	44.07	59.6	2849.74	39794	2.4288 ng/ml
Fluoxetine	5.697	15960	7423.86	7.5	∞	26384	23.3234 ng/ml
Hydrocodone	2.966	163462	112.03	36.3	298.19	384471	26.5707 ng/ml
Hydromorphone	1.553	145062	848.39	80.1	619.77	196313	23.7954 ng/ml
Ketamine	4.003	325316	13991.68	40.0	964.89	570104	25.0060 ng/ml
Lamotrigine	4.232	27451	1717.24	82.2	1903.29	570104	25.9268 ng/ml
Lorazepam	5.729	293341	781.81	56.4	1120.65	175241	24.7045 ng/ml
MDA	3.137	295057	4460.64	21.2	381.18	270334	24.8581 ng/ml
MDMA	3.231	231798	∞	63.7	1963.92	88884	24.5449 ng/ml
Meprobamate	4.862	107567	8402.27	27.3	1512.04	232823	25.2735 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	72470	1529.34	50.6	952.23	140197	24.5418 ng/ml
Methamphetamine	3.165	215769	686.47	41.8	331.78	425330	25.1911 ng/ml
Metoprolol	4.278	59931	170722.22	94.2	∞	1538979	25.5429 ng/ml
Mirtazapine	4.589	139726	8401.41	49.0	1300.35	585416	24.0377 ng/ml
Mitragynine	5.188	12374	16064.35	38.0	89.05	140197	25.3535 ng/ml
Morphine	1.200	26682	495.25	23.1	502.59	11590	26.2039 ng/ml
Norbuprenorphine	4.930	241	5.88	109.4 <b>High</b>	168.45	5259	2.5119 ng/ml
Nordiazepam	5.882	183012	1435.64	58.5	1579.83	235773	25.2394 ng/ml
Norfentanyl	4.037	54634	234.05	37.2	∞	1009205	2.3824 ng/ml
Norhydrocodone	3.014	15744	133.60	42.5	183.46	67077	23.1831 ng/ml
Noroxycodone	2.831	144177	∞	47.2	531.24	203848	24.6274 ng/ml
O-desmethyl-tramadol	3.317	864680	10377.79	6.0	412.44	1857100	23.9811 ng/ml
Oxazepam	5.732	339338	∞	71.3	1167.11	802774	25.4219 ng/ml
Oxycodone	2.762	346193	1716.33	30.5	593.56	591122	24.7848 ng/ml
Oxymorphone	1.350	143414	903.46	44.5	911.66	206118	24.9366 ng/ml
Phentermine	3.723	68749	690.24	3.4	61.18	386626	24.9068 ng/ml
Promethazine	5.515	37494	219.04	31.0	116.65	66966	24.3324 ng/ml
Quetiapine	5.532	80359	4844.53	58.9	∞	42135	23.9223 ng/ml
Sertraline	5.765	8462	249.72	91.3	694.98	14060	23.6358 ng/ml
Temazepam	5.799	567895	36614.41	30.7	∞	1162620	23.4447 ng/ml
Tramadol	4.197	751531	1279.21	3.4	299.37	1538979	24.7650 ng/ml
Trazodone	5.114	64084	86756.37	77.2	205935.94	110283	23.5119 ng/ml
Venlafaxine	4.994	427785	1261.10	36.9	1184.61	932941	23.8121 ng/ml
Zolpidem	4.872	790587	593.78	31.3	3985.40	1552079	24.5433 ng/ml

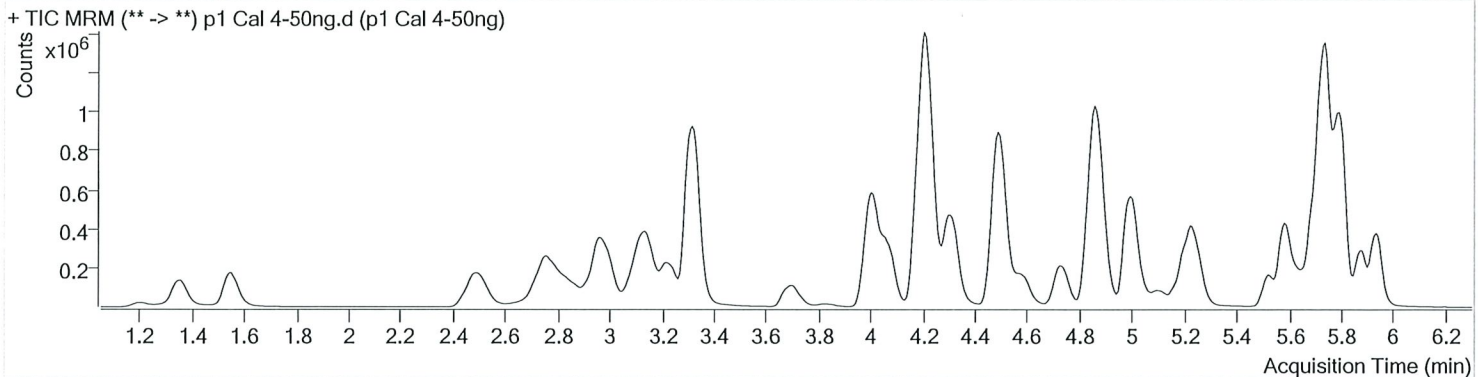
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
 Calibration Last Update 8/20/2020 10:15:23 AM

Instrument Falco Data File p1 Cal 4-50ng.d  
 Type Cal Sample p1 Cal 4-50ng  
 Acq. Method MDQ P1 060520.m Operator Sarah Pickle  
 Sample Position P1-E12 Comment  
 Injection Volume 2  
 Acq. Date-Time 8/18/2020 5:14:42 PM  
 Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	18562	727.24	71.5	363.68	76304	5.1644 ng/ml
7-aminoclonazepam	4.223	294795	∞	83.2	5617.02	217822	52.3338 ng/ml
a-hydroxyalprazolam	5.674	170545	748.90	61.1	391.62	77976	54.3274 ng/ml
alpha-PHP	4.888	111750	957.71	263.8	∞	567516	54.5724 ng/ml
alpha-PVP	4.315	656729	814.34	51.0	872.69	567516	49.2498 ng/ml
Alprazolam	5.758	570734	1704.66	106.6	1129.45	326920	49.0896 ng/ml
Amphetamine	2.977	674277	6425.72	50.7	2827.49	138862	53.3698 ng/ml
Benzoylcegonine	3.838	26879	1001.79	7.7	166.64	19678	47.5270 ng/ml
Buprenorphine	5.829	4830	98.80	18.5	85.68	40728	5.0937 ng/ml
Bupropion	4.739	374072	5988.05	60.3	551.58	243248	50.7118 ng/ml
Carisoprodol	5.707	471234	27014.90	55.4	456.64	434608	52.3018 ng/ml
Citalopram	5.176	151581	468.71	42.4	75916.12	133431	51.4206 ng/ml
Clonazepam	5.581	746286	56338.95	32.5	1134.54	169393	52.1634 ng/ml
Cocaine	4.223	819268	146071.79	45.3	24422.73	1174210	49.8858 ng/ml
Codeine	2.516	95389	365.41	104.3	4524.80	87732	51.1600 ng/ml
Cyclobenzaprine	5.598	49484	98293.50	9.7	∞	38301	52.2009 ng/ml
Dextromethorphan	5.219	61564	550.78	77.6	2428.19	56038	51.1168 ng/ml
Dextrorphan	4.070	173522	850.70	209.8	2178.24	420083	51.5129 ng/ml
Diazepam	5.943	390426	6082.66	87.3	6428.74	363062	50.5556 ng/ml
Dihydrocodeine	2.502	254345	2270.07	63.5	491.49	261225	54.0364 ng/ml
Diphenhydramine	5.247	311162	529.10	32.9	165.43	422979	49.9695 ng/ml
Doxylamine	4.494	1337005	65798.93	98.5	469667.65	1102866	50.3221 ng/ml
EDDP	5.218	301215	5024.16	43.3	1343.23	317341	49.9462 ng/ml
Fentanyl	5.053	5584	64.91	67.5	8131.14	51376	4.9116 ng/ml
Fluoxetine	5.697	47010	1122.78	8.9	661.65	36269	52.2756 ng/ml
Hydrocodone	2.959	313061	340.93	37.6	123.28	386328	51.1956 ng/ml
Hydromorphone	1.553	293580	4791.71	77.2	∞	183191	51.8166 ng/ml
Ketamine	4.003	653446	1519.03	40.0	1058.76	559316	51.4900 ng/ml
Lamotrigine	4.226	56230	5037.56	79.3	773.77	559316	54.4410 ng/ml
Lorazepam	5.729	594433	714.35	54.7	∞	169393	52.7082 ng/ml
MDA	3.137	591933	5266.90	20.9	644.81	259315	52.2356 ng/ml
MDMA	3.231	468728	18203.88	63.9	6557.52	87481	50.3773 ng/ml
Meprobamate	4.862	217068	407.41	26.2	723.03	221467	54.1963 ng/ml

# AM #28 Multi-Drug Quant. Results



Handwritten initials: 'P' and 'S' in blue ink.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	170069	1610.16	50.6	549.14	160432	50.1353 ng/ml
Methamphetamine	3.165	412946	903.56	41.7	847.40	401963	52.0193 ng/ml
Metoprolol	4.285	120831	9924.73	96.0	∞	1502594	53.1781 ng/ml
Mirtazapine	4.582	303896	14024.98	49.9	∞	567516	53.2254 ng/ml
Mitragynine	5.188	28382	2588.58	39.1	3283.60	160432	51.0835 ng/ml
Morphine	1.200	51263	1081.02	23.9	112.25	11352	51.6190 ng/ml
Norbuprenorphine	4.950	599	16.81	100.5	∞	5804	5.0730 ng/ml
Nordiazepam	5.882	371043	1928.12	58.2	19842.36	234923	51.4592 ng/ml
Norfentanyl	4.037	97422	1997.16	36.5	355.09	863756	4.9432 ng/ml
Norhydrocodone	3.007	30594	223.04	39.9	102.25	63861	46.2567 ng/ml
Noroxycodone	2.838	281895	1307.25	48.3	389.47	191485	51.3215 ng/ml
O-desmethyl-tramadol	3.317	1744833	4311.74	6.0	6861.99	1791020	50.0108 ng/ml
Oxazepam	5.732	670466	∞	72.7	4935.29	769604	52.6550 ng/ml
Oxycodone	2.762	688893	∞	30.3	864.51	568396	51.5693 ng/ml
Oxymorphone	1.350	284111	∞	47.1	172.75	195116	52.7133 ng/ml
Phentermine	3.723	137392	∞	3.4	220.65	371410	51.7808 ng/ml
Promethazine	5.515	109551	860.81	31.2	603.19	91672	51.6144 ng/ml
Quetiapine	5.532	177969	23130.59	61.1	737308.77	44322	50.3871 ng/ml
Sertraline	5.765	25286	1131.98	91.7	11309.37	20841	48.0945 ng/ml
Temazepam	5.799	1160198	1834.35	30.0	4922.91	1138065	48.5146 ng/ml
Tramadol	4.197	1501971	1309.28	3.5	169.73	1502594	50.9738 ng/ml
Trazodone	5.107	157093	39674.92	75.4	∞	124146	51.0598 ng/ml
Venlafaxine	4.994	882129	1260.95	36.5	1218.72	916901	49.3614 ng/ml
Zolpidem	4.872	1586289	25608.18	31.4	54714.76	1516212	50.5236 ng/ml

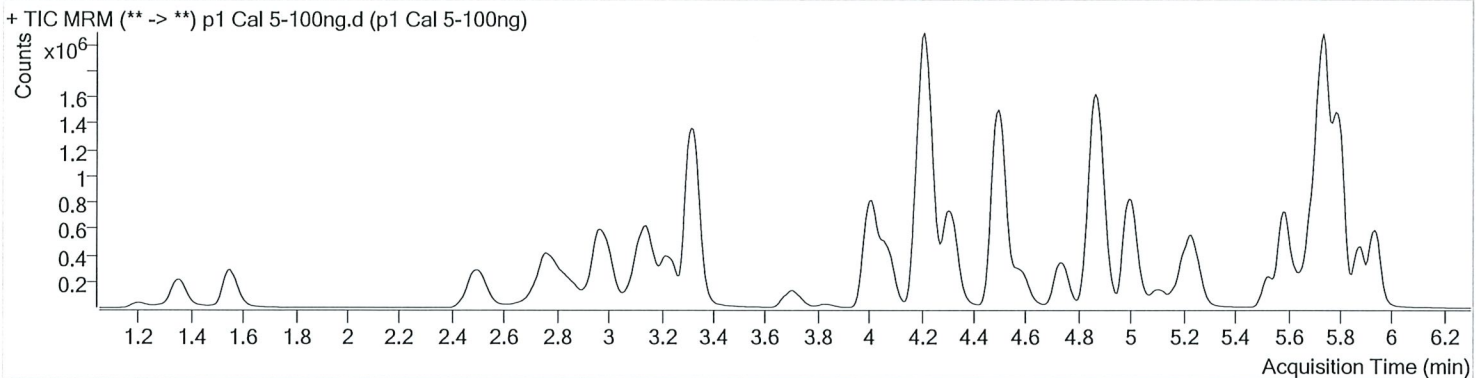
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 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 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 5:25:18 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	35549	929.47	71.5	731.84	76688	9.8643 ng/ml
7-aminoclonazepam	4.223	570987	5740.80	83.4	∞	219213	101.0407 ng/ml
a-hydroxyalprazolam	5.674	312520	1350.68	61.3	730.58	78038	99.8661 ng/ml
alpha-PHP	4.888	198156	26195.30	260.5	15157.38	533460	103.4245 ng/ml
alpha-PVP	4.322	1229171	969.07	49.6	9968.65	533460	97.7107 ng/ml
Alprazolam	5.758	1064118	2129.87	107.0	1243.61	306366	96.9039 ng/ml
Amphetamine	2.990	1275196	8060.15	48.9	14930.47	135200	104.1400 ng/ml
Benzoylcegonine	3.831	53754	∞	7.7	115.22	19251	97.0395 ng/ml
Buprenorphine	5.829	7503	111.25	18.4	46.95	31869	9.1987 ng/ml
Bupropion	4.739	698694	1508.57	60.2	681.01	230671	99.9722 ng/ml
Carisoprodol	5.700	865307	1878.89	55.7	532.90	416394	100.4590 ng/ml
Citalopram	5.183	244573	538.45	43.1	907.39	112734	98.0005 ng/ml
Clonazepam	5.588	1427538	1264.10	32.8	4567.71	163013	103.9952 ng/ml
Cocaine	4.223	1535856	53365.68	44.9	23962.34	1112581	98.3795 ng/ml
Codeine	2.516	181799	1045.46	104.9	1339.56	85024	100.8295 ng/ml
Cyclobenzaprine	5.598	65600	30430.26	9.7	221.49	27028	97.7532 ng/ml
Dextromethorphan	5.219	96142	8019.74	78.6	7300.10	45232	98.8533 ng/ml
Dextrorphan	4.070	307180	1170.50	214.7	2019.81	389614	98.2457 ng/ml
Diazepam	5.943	737713	1161.06	86.8	∞	347691	99.5543 ng/ml
Dihydrocodeine	2.495	483276	2722.96	63.7	7608.89	259856	103.5843 ng/ml
Diphenhydramine	5.253	510971	11686.84	32.7	5043.33	355032	97.2769 ng/ml
Doxylamine	4.500	2584889	67213.21	96.5	252366.91	1092954	97.9957 ng/ml
EDDP	5.218	536179	1609.07	43.0	548.76	283672	99.3971 ng/ml
Fentanyl	5.047	8434	457.60	65.1	∞	38733	9.8745 ng/ml
Fluoxetine	5.697	57016	∞	9.3	267.27	22728	103.0648 ng/ml
Hydrocodone	2.966	601374	∞	39.4	156.06	358311	106.6867 ng/ml
Hydromorphone	1.553	548092	1812.98	77.8	292.74	173445	102.3479 ng/ml
Ketamine	4.003	1237145	32041.26	39.8	1330.76	543474	100.5906 ng/ml
Lamotrigine	4.239	102605	19109.80	82.1	23546.50	543474	102.4838 ng/ml
Lorazepam	5.729	1024932	1217.30	53.5	∞	163013	95.1005 ng/ml
MDA	3.137	1082097	5631.69	21.0	∞	241931	102.5691 ng/ml
MDMA	3.231	869370	147331.46	63.5	35008.99	81430	100.3314 ng/ml
Meprobamate	4.869	390080	13443.24	26.7	738.91	210431	102.9610 ng/ml

# AM #28 Multi-Drug Quant. Results



Handwritten initials: 'P' and 'S' in blue ink.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	266609	11293.71	51.8	6358.91	126467	99.5212 ng/ml
Methamphetamine	3.165	753476	1134.62	41.4	383.91	374159	102.9110 ng/ml
Metoprolol	4.285	223235	∞	97.1	5006.37	1465203	101.1168 ng/ml
Mirtazapine	4.589	527009	5566.48	48.3	8040.25	533460	97.7164 ng/ml
Mitragynine	5.188	43485	2175.18	37.7	9638.93	126467	99.5369 ng/ml
Morphine	1.206	98174	424.88	23.4	373.95	11462	98.1099 ng/ml
Norbuprenorphine	4.950	1002	24.84	88.1	147.12	4892	9.6016 ng/ml
Nordiazepam	5.882	701758	9136.50	58.0	961.38	225878	101.3192 ng/ml
Norfentanyl	4.044	197506	1937.12	36.9	1890.39	887518	9.7349 ng/ml
Norhydrocodone	3.014	56287	∞	42.0	101.16	58193	92.3523 ng/ml
Noroxycodone	2.838	536208	2267.71	48.1	15718.17	187765	99.6087 ng/ml
O-desmethyl-tramadol	3.323	3397770	1842.31	6.0	5916.31	1771651	98.3053 ng/ml
Oxazepam	5.732	1176622	9290.48	71.9	∞	692546	102.9218 ng/ml
Oxycodone	2.762	1335478	2493.59	30.4	1581.63	565317	100.7623 ng/ml
Oxymorphone	1.350	530113	∞	47.9	668.15	187477	102.8174 ng/ml
Phentermine	3.723	252507	∞	3.3	∞	345971	102.1324 ng/ml
Promethazine	5.515	147914	1239.99	31.2	847.06	64002	99.5538 ng/ml
Quetiapine	5.532	321503	∞	58.8	∞	39259	102.7840 ng/ml
Sertraline	5.765	29643	2271.96	91.8	57125.50	11986	98.4909 ng/ml
Temazepam	5.799	2176830	2105.64	30.3	2772.24	1070001	96.4352 ng/ml
Tramadol	4.197	2849835	1953.61	3.4	389.88	1465203	99.4399 ng/ml
Trazodone	5.107	272230	18494.24	78.5	∞	110552	99.2509 ng/ml
Venlafaxine	4.994	1614143	5847.47	36.7	1907.91	857193	96.0908 ng/ml
Zolpidem	4.872	3122781	2170.02	30.9	1143.45	1487205	101.5094 ng/ml

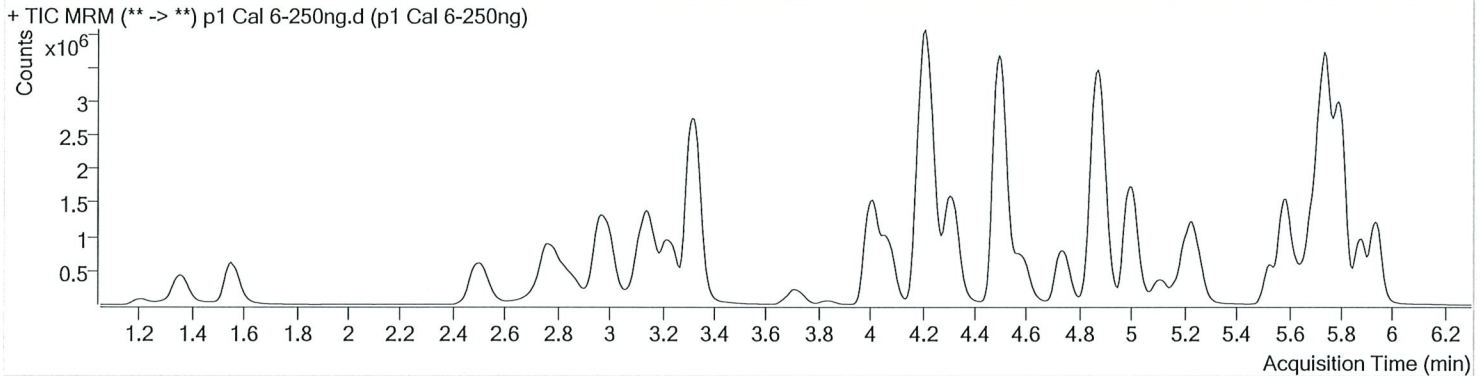
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 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 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 5:35:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	90653	1195.18	70.5	2696.59	77263	25.0075 ng/ml
7-aminoclonazepam	4.230	1236342	7728.45	83.3	776.87	187904	255.7606 ng/ml
a-hydroxyalprazolam	5.668	706525	3023.09	61.0	994.89	70366	251.0968 ng/ml
alpha-PHP	4.888	468897	∞	264.2	∞	539853	242.5569 ng/ml
alpha-PVP	4.322	3137263	1118.10	49.3	2876.74	539853	245.8957 ng/ml
Alprazolam	5.758	2431279	2460.92	105.9	10912.18	274284	246.1055 ng/ml
Amphetamine	2.997	3158737	18327.89	49.5	16551.82	140881	248.2489 ng/ml
Benzoylcegonine	3.838	131329	4677.25	7.7	1315.18	18107	251.8877 ng/ml
Buprenorphine	5.829	17436	199.58	18.2	139.87	29019	22.0347 ng/ml
Bupropion	4.739	1799727	1325.53	59.7	1070.14	237818	249.9084 ng/ml
Carisoprodol	5.700	1875622	852.62	54.2	1553.09	362015	250.8177 ng/ml
Citalopram	5.183	627648	1067.14	42.6	1329.31	113653	249.1314 ng/ml
Clonazepam	5.588	3323446	37996.95	32.6	2066.95	156001	253.4412 ng/ml
Cocaine	4.223	3732657	36977.65	44.6	23015.33	1069320	248.2693 ng/ml
Codeine	2.523	422608	4812.87	106.1	3509.28	80206	248.8027 ng/ml
Cyclobenzaprine	5.605	161987	∞	9.4	487.24	26852	242.4429 ng/ml
Dextromethorphan	5.219	244485	∞	79.9	782.13	45132	251.8693 ng/ml
Dextrorphan	4.070	782580	1822.90	211.1	42553.20	389202	250.4263 ng/ml
Diazepam	5.936	1775933	∞	87.0	∞	333075	249.8770 ng/ml
Dihydrocodeine	2.488	1184912	27076.87	65.1	11038.63	259335	255.0738 ng/ml
Diphenhydramine	5.253	1317868	10824.79	32.9	384.83	357153	248.6095 ng/ml
Doxylamine	4.494	6812916	∞	99.2	178522.56	1131827	249.1272 ng/ml
EDDP	5.218	1515319	503.40	43.3	7382.53	319717	249.1457 ng/ml
Fentanyl	5.053	20270	77.38	68.7	∞	37030	24.8755 ng/ml
Fluoxetine	5.697	133212	16079.53	8.1	358.81	22218	249.1154 ng/ml
Hydrocodone	2.959	1379699	340.04	40.7	524.98	349608	251.6819 ng/ml
Hydromorphone	1.561	1330893	1433.00	76.3	655.43	175407	245.9959 ng/ml
Ketamine	4.003	3129300	3020.69	39.4	1533.80	554697	249.7046 ng/ml
Lamotrigine	4.239	223537	5025.84	81.0	2735.43	554697	219.0770 ng/ml
Lorazepam	5.729	1829225	∞	53.4	22737.32	156001	178.0818 ng/ml
MDA	3.123	2575254	101382.30	20.6	2366.70	234220	252.4673 ng/ml
MDMA	3.231	2187852	26494.63	64.3	24407.26	82582	248.8999 ng/ml
Meprobamate	4.862	816394	435616.82	26.2	494.48	182838	248.7344 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	687563	990.28	51.3	263.98	133700	242.5067 ng/ml
Methamphetamine	3.165	1920374	2396.34	41.3	2580.54	392497	251.4351 ng/ml
Metoprolol	4.285	538197	8686.26	96.5	8251.35	1450013	246.9185 ng/ml
Mirtazapine	4.589	1388778	6280.73	49.1	18904.76	539853	253.5451 ng/ml
Mitragynine	5.188	107511	102749.64	38.9	1894.49	133700	233.1311 ng/ml
Morphine	1.206	235842	2565.30	23.0	558.51	10456	258.7437 ng/ml
Norbuprenorphine	4.944	2665	315.15	83.7	290.01	4696	25.7745 ng/ml
Nordiazepam	5.882	1642762	∞	58.8	10353.78	213258	251.3651 ng/ml
Norfentanyl	4.037	524969	2384.67	36.9	550.51	923180	24.8463 ng/ml
Norhydrocodone	3.021	130016	499.08	41.6	112.12	46276	266.3126 ng/ml
Noroxycodone	2.845	1256656	1521.34	47.4	536.59	169346	258.9233 ng/ml
O-desmethyl-tramadol	3.322	8626612	82773.03	5.9	2795.47	1762642	250.6275 ng/ml
Oxazepam	5.732	2337476	32170.39	71.9	∞	545665	259.8762 ng/ml
Oxycodone	2.762	3373049	23873.04	30.5	∞	570929	252.3856 ng/ml
Oxymorphone	1.356	1245734	3570.52	46.2	∞	178063	255.0994 ng/ml
Phentermine	3.723	651795	2134.84	3.1	481.02	360202	253.1714 ng/ml
Promethazine	5.515	363967	262.90	30.5	4193.85	64451	242.8516 ng/ml
Quetiapine	5.532	883331	∞	59.9	714033.52	44675	248.1951 ng/ml
Sertraline	5.765	63903	996.79	90.8	238177.12	10674	239.0497 ng/ml
Temazepam	5.802	5329697	3514.50	29.4	3471.64	1012835	248.8291 ng/ml
Tramadol	4.199	6985077	∞	3.4	618.09	1450013	246.6818 ng/ml
Trazodone	5.107	759407	∞	78.1	∞	122086	250.5295 ng/ml
Venlafaxine	5.001	4171816	5050.23	36.6	3231.69	876288	242.1036 ng/ml
Zolpidem	4.873	7833316	260720.47	30.6	255784.24	1488568	254.5593 ng/ml



# AM #28 Multi-Drug Quant. Results

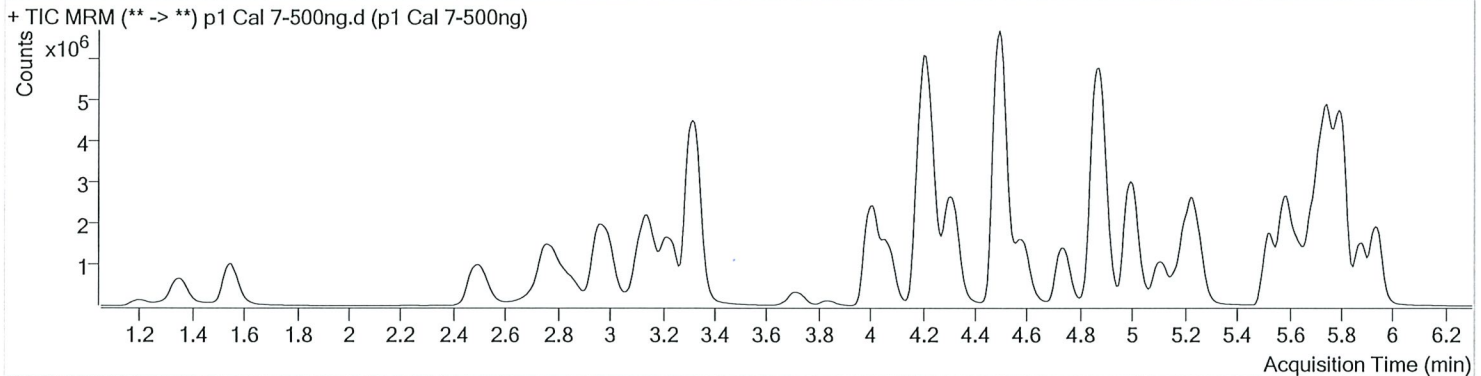


**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 AM

<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 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 5:46:32 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	165885	2149.43	72.2	10412.43	72243	48.9656 ng/ml
7-aminoclonazepam	4.230	1809781	237.68	83.1	10381.56	141895	496.1024 ng/ml
a-hydroxyalprazolam	5.668	1144533	3058.95	62.0	1516.16	60022	477.2923 ng/ml
alpha-PHP	4.888	806782	33425.71	265.7	8679.91	472145	477.7127 ng/ml
alpha-PVP	4.315	5495552	74635.53	49.4	3265.09	472145	492.1486 ng/ml
Alprazolam	5.756	3983360	∞	107.3	4456.64	220389	501.0172 ng/ml
Amphetamine	2.990	4828295	83711.74	49.8	27992.57	120979	442.2781 ng/ml
Benzoylcegonine	3.831	290207	4986.08	7.7	503.68	19872	507.0715 ng/ml
Buprenorphine	5.829	51773	1262.47	16.2	333.23	37780	49.0665 ng/ml
Bupropion	4.739	3255685	109086.73	60.4	2368.18	215852	498.1763 ng/ml
Carisoprodol	5.700	2877374	130054.64	54.2	4474.84	284556	489.7445 ng/ml
Citalopram	5.176	1537304	1933.00	43.4	1136.38	138171	501.7002 ng/ml
Clonazepam	5.588	5470268	79036.99	32.5	37557.50	132589	491.1080 ng/ml
Cocaine	4.223	6267182	242249.42	44.6	71896.37	906709	491.2854 ng/ml
Codeine	2.523	723368	5237.39	104.3	508.98	68403	499.5811 ng/ml
Cyclobenzaprine	5.598	856355	2120.67	9.4	2700.95	69028	498.1987 ng/ml
Dextromethorphan	5.219	736576	38223.74	80.0	12102.88	69985	489.3040 ng/ml
Dextrorphan	4.070	1331198	45691.61	211.9	3262.97	332404	498.6882 ng/ml
Diazepam	5.943	3030282	∞	87.1	∞	286177	496.0413 ng/ml
Dihydrocodeine	2.481	2072874	∞	65.2	21288.15	241232	480.0675 ng/ml
Diphenhydramine	5.253	3381797	55766.57	32.8	16153.97	463205	491.4022 ng/ml
Doxylamine	4.494	12985355	168238.74	97.4	∞	1052304	510.5225 ng/ml
EDDP	5.218	3105028	109387.25	43.0	23923.28	330483	493.8302 ng/ml
Fentanyl	5.053	98084	725.84	66.6	363.69	85809	51.9807 ng/ml
Fluoxetine	5.697	752520	39810.54	8.7	4445.03	63137	497.2207 ng/ml
Hydrocodone	2.953	2368039	459.06	39.8	∞	317129	476.7576 ng/ml
Hydromorphone	1.547	2386323	∞	74.8	1260.90	156189	495.5289 ng/ml
Ketamine	4.003	5722470	6573.28	39.1	16821.89	509788	497.1310 ng/ml
Lamotrigine	4.239	340451	37223.83	80.5	23455.80	509788	363.2376 ng/ml
Lorazepam	5.722	2099787	3900.27	53.6	7220.20	132589	240.8121 ng/ml
MDA	3.116	4179601	5606.93	20.1	4218.15	193901	495.1707 ng/ml
MDMA	3.231	3954253	72064.24	64.4	47294.25	73895	502.6878 ng/ml
Meprobamate	4.849	1166237	34553.89	26.3	8434.32	148175	438.8370 ng/ml

# AM #28 Multi-Drug Quant. Results



B  
P

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	2117301	982.73	52.0	31674.40	197150	506.2396 ng/ml
Methamphetamine	3.158	3375656	9581.73	41.4	1942.07	359120	483.9567 ng/ml
Metoprolol	4.278	905397	∞	96.4	11213.44	1208757	498.7053 ng/ml
Mirtazapine	4.582	3309455	8082.54	49.1	7037.04	472145	689.8655 ng/ml
Mitragynine	5.181	351294	14459.01	39.5	15754.03	197150	516.9182 ng/ml
Morphine	1.200	407504	1663.72	23.6	∞	9723	480.9560 ng/ml
Norbuprenorphine	4.944	7063	812.25	85.3	623.44	6435	49.4096 ng/ml
Nordiazepam	5.882	2778406	70219.04	58.3	14705.61	182994	495.5406 ng/ml
Norfentanyl	4.037	874865	35153.08	37.2	5381.29	749156	51.0053 ng/ml
Norhydrocodone	3.014	212375	742.50	42.5	571.81	38861	517.0401 ng/ml
Noroxycodone	2.838	2000247	1552.24	48.3	651.29	140387	497.2024 ng/ml
O-desmethyl-tramadol	3.320	15780956	117807.07	5.8	3699.32	1582537	510.5025 ng/ml
Oxazepam	5.726	2915019	∞	73.4	∞	361954	488.7945 ng/ml
Oxycodone	2.762	6147107	8161.16	30.2	∞	529786	495.9225 ng/ml
Oxymorphone	1.350	2114970	1648.85	47.6	∞	160279	481.5829 ng/ml
Phentermine	3.723	1134083	∞	3.2	1410.03	319511	496.5727 ng/ml
Promethazine	5.515	1968347	703.06	30.8	7230.04	172947	489.1535 ng/ml
Quetiapine	5.532	2146191	199004.50	59.3	∞	53623	502.4207 ng/ml
Sertraline	5.765	331709	2053.06	90.9	2085.96	26621	498.0171 ng/ml
Temazepam	5.799	9243909	2720.80	29.1	1279.01	846892	515.7261 ng/ml
Tramadol	4.190	11976075	16377.05	3.3	1115.59	1208757	507.6404 ng/ml
Trazodone	5.107	2317978	∞	77.8	39829.11	185603	502.8902 ng/ml
Venlafaxine	4.994	7728028	∞	36.2	4915.07	795773	493.2897 ng/ml
Zolpidem	4.872	14625091	162650.00	29.9	1973.61	1400614	505.2228 ng/ml

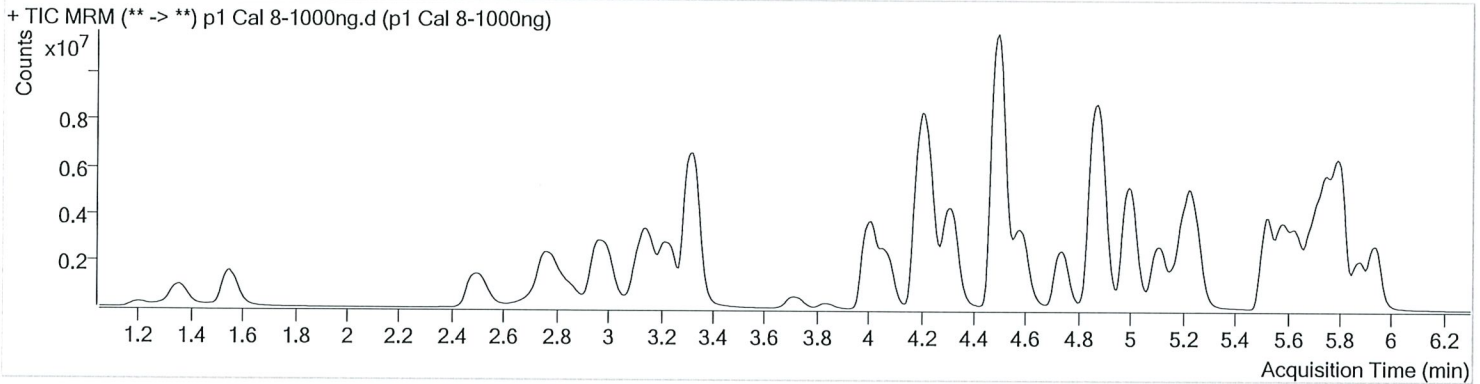
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\081820 AM 28 P1 P2 SJ SP\QuantResults\AM 28 P1 SJ SP.batch.bin  
**Calibration Last Update** 8/20/2020 10:15:23 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 060520.m	<b>Operator</b>	Sarah Pickle
<b>Sample Position</b>	P1-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/18/2020 5:57:07 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	291754	2668.62	72.0	7760.79	63344	98.2446 ng/ml
7-aminoclonazepam	4.237	2149583	∞	84.1	17635.69	90687	922.2800 ng/ml
a-hydroxyalprazolam	5.668	1615970	787.49	59.9	838.23	42272	957.3303 ng/ml
alpha-PHP	4.895	1343265	81874.25	266.7	∞	399065	941.5552 ng/ml
alpha-PVP	4.315	9585820	3110.27	48.8	1752.79	399065	1015.2765 ng/ml
Alprazolam	5.758	5814642	∞	104.9	∞	159838	1007.6296 ng/ml
Amphetamine	2.997	7488843	47695.43	49.6	∞	109302	759.6341 ng/ml
Benzoylcegonine	3.838	551154	4955.64	7.7	1699.66	17155	1115.3937 ng/ml
Buprenorphine	5.829	119024	1394.85	16.2	1156.65	40480	104.2150 ng/ml
Bupropion	4.739	5894249	135967.41	59.6	43584.86	193703	1005.1463 ng/ml
Carisoprodol	5.700	3691517	50382.75	54.1	34288.28	184352	970.0704 ng/ml
Citalopram	5.176	3096702	3448.64	42.6	1392.28	139625	999.8719 ng/ml
Clonazepam	5.581	7184499	71312.04	32.3	∞	91040	939.6568 ng/ml
Cocaine	4.223	10036321	∞	43.4	87847.21	704302	1012.5031 ng/ml
Codeine	2.530	1101331	842.81	104.3	2010.29	54047	962.8681 ng/ml
Cyclobenzaprine	5.598	2008823	1387.62	9.5	800.85	77351	1042.5320 ng/ml
Dextromethorphan	5.219	1502373	527.94	78.8	445.70	69152	1009.9856 ng/ml
Dextrorphan	4.070	2282587	12051.66	212.1	1598.49	283841	1001.3110 ng/ml
Diazepam	5.943	4635607	10322.09	86.4	∞	212394	1022.2205 ng/ml
Dihydrocodeine	2.475	3295428	3821.15	65.4	56632.76	209506	879.1181 ng/ml
Diphenhydramine	5.253	7088995	1896.84	32.3	905.98	470684	1013.1805 ng/ml
Doxylamine	4.494	24053636	796703.29	97.9	462092.28	978248	1017.0810 ng/ml
EDDP	5.218	6597656	440048.50	42.2	2654.24	337260	1028.1515 ng/ml
Fentanyl	5.053	238042	763.05	68.1	481218.35	103404	104.7220 ng/ml
Fluoxetine	5.697	1632447	3262.66	8.7	4055.79	65543	1041.2213 ng/ml
Hydrocodone	2.945	3784722	1697.21	40.0	147.92	270821	892.7995 ng/ml
Hydromorphone	1.553	3821294	696.67	76.3	1448.84	123756	1001.6435 ng/ml
Ketamine	4.003	9674578	4285.92	39.0	52711.97	442799	967.8794 ng/ml
Lamotrigine	4.246	427712	2507.68	80.9	∞	442799	525.5022 ng/ml
Lorazepam	5.722	1859420	∞	56.6	5370.42	91040	310.8079 ng/ml
MDA	3.116	6062691	62771.71	19.7	4618.88	148122	940.4626 ng/ml
MDMA	3.231	6825511	146155.18	63.9	18837.54	63078	1016.4360 ng/ml
Meprobamate	4.842	1364485	14668.62	26.7	2920.62	108246	703.1408 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	4967727	6162.41	50.6	2058.35	224909	1040.9710 ng/ml
Methamphetamine	3.165	6287762	3360.66	41.1	11399.05	342825	945.2368 ng/ml
Metoprolol	4.278	1377574	∞	96.4	15393.43	983049	933.3579 ng/ml
Mirtazapine	4.586	7413879	167897.14	48.6	9305.97	399065	1827.5258 ng/ml
Mitragynine	5.181	771290	43453.24	38.8	21735.06	224909	995.0949 ng/ml
Morphine	1.200	665017	∞	23.4	∞	7947	960.5091 ng/ml
Norbuprenorphine	4.944	14858	3482.97	81.2	470.44	6617	100.6070 ng/ml
Nordiazepam	5.882	3950632	∞	58.5	13531.82	133323	967.2148 ng/ml
Norfentanyl	4.037	1452088	4808.39	37.1	11401.88	588098	107.8216 ng/ml
Norhydrocodone	3.014	345962	2356.72	42.3	120.28	29984	1090.5047 ng/ml
Noroxycodone	2.852	2805868	1140.59	47.9	∞	100816	971.2688 ng/ml
O-desmethyl-tramadol	3.323	25683887	190635.46	5.7	23595.32	1272446	1033.1767 ng/ml
Oxazepam	5.726	2817996	49.45	73.9	6163.57	190081	899.9973 ng/ml
Oxycodone	2.755	10461865	∞	30.3	13243.34	457777	977.0352 ng/ml
Oxymorphone	1.350	3357565	∞	47.5	∞	130571	938.9301 ng/ml
Phentermine	3.723	1954846	∞	3.1	584.86	290605	941.0644 ng/ml
Promethazine	5.516	4790467	13167.59	30.4	2164.23	202344	1017.2129 ng/ml
Quetiapine	5.532	4834773	161989.06	58.8	172302.27	61074	993.7504 ng/ml
Sertraline	5.765	616194	1828.26	93.0	737.67	24238	1016.5453 ng/ml
Temazepam	5.806	13552361	2052.21	28.5	21046.12	585405	1093.4018 ng/ml
Tramadol	4.190	19070440	3315.53	3.2	2335.70	983049	994.2117 ng/ml
Trazodone	5.108	5941210	186275.84	77.2	∞	234835	1018.6108 ng/ml
Venlafaxine	4.994	14282869	165494.14	35.1	14996.23	711151	1019.5938 ng/ml
Zolpidem	4.872	24321684	241333.99	29.7	∞	1218910	965.5371 ng/ml