



**REVIEWED**  
By Tamara Salazar at 2:20 pm, May 02, 2022

**Worklist: 5822**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-1224	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1262	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1304	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1354	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1443	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1461	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1493	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0753	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0863	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0887	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0958	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0989	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1020	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1021	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1025	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1032	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1034	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1035	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1038	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1042	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5822**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-1068	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 04/26/2022

Analyst: Celena Shrum

Plate lot#: 220324

Plate Retest Date: 09/24/2022

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

**Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Blood Lot:** Lampire 22B52016-2

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

**LCMS-QQQ ID:** 069901

### Pre-Analytic:

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

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.  
**Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. (SKIPPED PER DEVIATION)
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate.
- 16. Add 50 ul 1% HCl in MeOH to all wells with samples. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 17. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

### Post-Analytic

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

Curve limits: 7-aminoclonazepam 5-500, alpha-hydroxyalprazolam 5-250, Amphetamine 5-250, Buprenorphine 5-500, Clonazolam 5-250, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Methamphetamine 5-500, Norfentanyl 0.5-50, Norhydrocodone 5-500, Phentermine 5-500.

**Idaho State Police  
Forensic Services**

**Request for Departure from an Analytical Method or Quality Standard**

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Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

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**Scope of Deviation** (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

**Deviation Request** (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

**Technical Justification for Analytical Method Deviations:** Refer to validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022)

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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Quality Approver: Jason Crowe  
Title: Quality Manager  
Date: 2/10/2022



	1	2	3	4	5	6	7	8	9	10	11	12
A									P2022-1034-1	P2022-0887-1	M2022-1262-3	IS + Cal. 8
B									P2022-1032-1	P2022-0863-1	M2022-1224-1	IS + Cal. 7
C									P2022-1025-2	P2022-0753-1	Neg Ctrl	IS + Cal. 6
D									P2022-1021-1	M2022-1493-6	IS + QC_2	IS + Cal. 5
E								P2022-1068-1	P2022-1020-1	M2022-1461-3	IS + QC_4	IS + Cal. 4
F								P2022-1042-1	P2022-1019-1	M2022-1443-2	IS + QC_3	IS + Cal. 3
G								P2022-1038-1	P2022-0989-1	M2022-1354-1	IS + QC_2	IS + Cal. 2
H								P2022-1035-1	P2022-0958-1	M2022-1304-1	IS + QC_1	IS + Cal. 1

Samples moved to columns 1-5 during the SLE portion of the extraction (E8 moved to E1, A12 moved to A5, etc.)

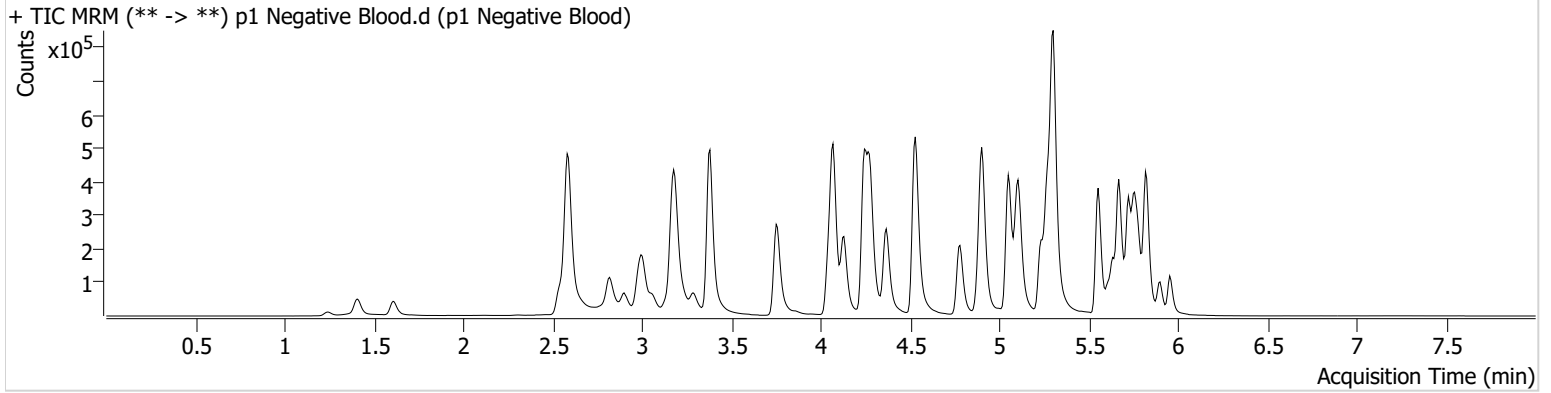
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-C4	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/27/2022 12:11:01 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



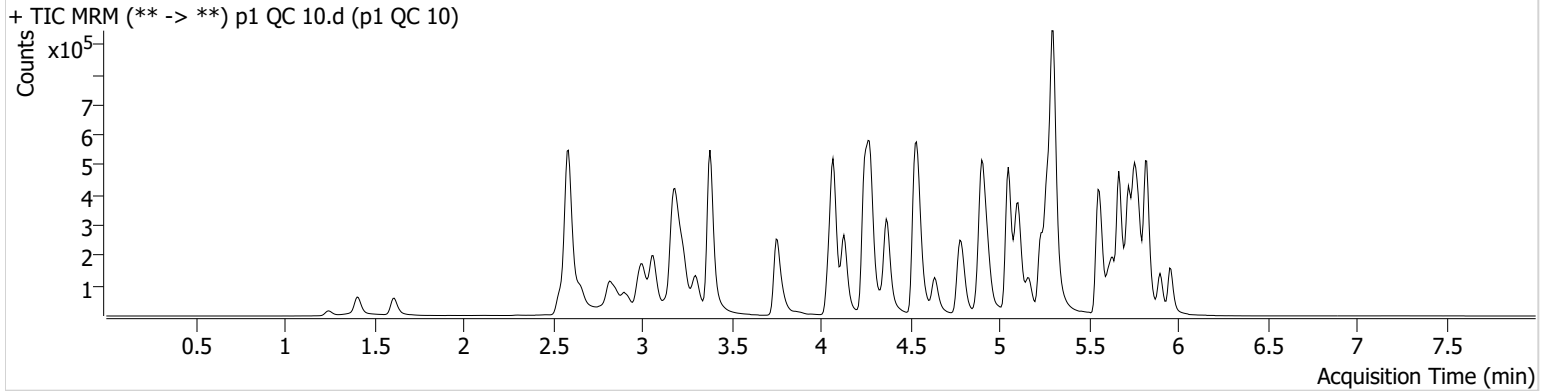
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-H4	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 10:46:01 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	2312	416.63	85.4	1286.36	63481	0.9256 ng/ml
7-aminoclonazepam	4.270	18488	52.63	77.1	85.31	67365	9.5403 ng/ml
a-hydroxyalprazolam	5.699	28450	162.99	68.3	434.94	310429	10.6127 ng/ml
alpha-PHP	4.943	42510	935.72	258.6	2020.44	598394	10.1673 ng/ml
alpha-PVP	4.375	157191	279.89	51.0	724.90	598394	9.9091 ng/ml
Alprazolam	5.782	82158	1039.01	113.5	857.56	310429	10.0436 ng/ml
Amphetamine	3.065	284322	2427.96	49.5	2408.54	357958	9.8323 ng/ml
Benzoylecgonine	3.890	3115	62.07	8.8	61.76	11116	9.3978 ng/ml
Buprenorphine	5.853	2922	828.82	15.9	35.31	93877	0.9828 ng/ml
Bupropion	4.794	148890	282.12	65.2	346.23	543306	9.7397 ng/ml
Carisoprodol	5.731	96008	21710.98	53.3	453.13	416348	10.3909 ng/ml
Citalopram	5.232	107500	2899.76	39.3	562.09	468701	10.2439 ng/ml
Clonazepam	5.612	86245	1056.35	35.7	907.57	117173	10.2399 ng/ml
Clonazepam	5.556	63841	5648.42	36.8	4500.73	117173	10.8359 ng/ml
Cocaine	4.276	100093	450.67	55.7	2520.76	826268	9.9912 ng/ml
Codeine	2.594	12814	776.30	109.0	46979.59	67258	10.0055 ng/ml
Cyclobenzaprine	5.635	58095	162.04	8.1	405.87	228429	9.9325 ng/ml
Dextromethorphan	5.281	63424	9703.66	80.6	185.73	254069	10.2962 ng/ml
Dextrophan	4.130	44415	618.61	205.2	868.33	452466	9.9749 ng/ml
Diazepam	5.960	52491	637.56	89.2	867.98	224422	10.8653 ng/ml
Dihydrocodeine	2.573	33812	295.77	60.7	713.28	191784	10.2632 ng/ml
Diphenhydramine	5.302	308832	14627.54	32.7	4017.46	1673283	10.6547 ng/ml
Doxylamine	4.548	300481	5348.53	102.1	4094.97	1317073	9.9711 ng/ml
EDDP	5.267	109113	410.00	40.2	3816.84	584375	9.7101 ng/ml
Etizolam	5.820	39581	5166.73	25.9	18582.51	117173	9.9218 ng/ml
Fentanyl	5.109	8931	583.96	67.8	81.74	433678	1.0640 ng/ml
Flualprazolam	5.712	37777	238.10	96.8	1065.62	310429	10.6827 ng/ml
Fluoxetine	5.728	40802	37520.79	9.1	108.30	148625	10.2655 ng/ml
Hydrocodone	3.034	54534	48.88	32.2	99.42	297852	9.9348 ng/ml
Hydromorphone	1.621	39849	893.75	68.5	31.03	121080	10.2182 ng/ml
Ketamine	4.063	110861	511.69	38.7	349.07	460938	10.3107 ng/ml
Lamotrigine	4.292	9691	183.98	85.9	73.37	460938	10.5817 ng/ml
Levetiracetam	2.658	50653	601.87	155.5	1698.15	1396228	9.7619 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	79727	2006.19	50.8	95.27	117173	10.4354 ng/ml
MDA	3.212	189060	170.51	31.5	287.68	501032	11.1503 ng/ml
MDMA	3.306	101509	1359.50	99.5	1042.53	114515	10.1412 ng/ml
Meprobamate	4.910	58777	320493.63	26.9	783.05	288180	10.3325 ng/ml
Methadone	5.673	165461	460.67	53.0	4229.70	714312	10.1651 ng/ml
Methamphetamine	3.233	235587	587.25	39.4	688.27	879887	10.2343 ng/ml
Metoprolol	4.338	31675	695.27	84.5	3008.94	1060030	10.7985 ng/ml
Mirtazapine	4.636	202462	2403.60	46.9	1112.58	598394	9.9054 ng/ml
Mitragynine	5.243	32241	679.13	36.2	17311.25	714312	9.9977 ng/ml
Morphine	1.253	6706	974.82	30.1	1704.05	16022	10.3954 ng/ml
Norbuprenorphine	4.998	469	13.38	125.8	871.97	19401	0.9452 ng/ml
Nordiazepam	5.907	53585	431.65	59.3	272.51	173269	10.3200 ng/ml
Norfentanyl	4.097	23943	312.87	34.0	15.22	1013110	0.9738 ng/ml
Norhydrocodone	3.082	8776	107.61	37.4	100.93	76942	10.1705 ng/ml
Noroxycodone	2.925	51703	569.88	46.3	119381.51	166992	9.9104 ng/ml
O-desmethyl-tramadol	3.386	219088	5180.34	6.5	2279.83	1193038	9.7713 ng/ml
Oxazepam	5.763	102063	1962.31	72.4	619.53	539467	10.2159 ng/ml
Oxycodone	2.850	100817	979.27	28.5	417.53	350225	10.4411 ng/ml
Oxymorphone	1.411	43732	80.59	45.6	87.17	147581	10.0094 ng/ml
Phentermine	3.787	63525	361.73	6.0	43.12	733359	10.5285 ng/ml
Promethazine	5.552	117291	3668.02	29.0	198.57	508026	10.1812 ng/ml
Pseudoephedrine	2.597	278914	7166.06	17.2	2615.43	1396228	9.9490 ng/ml
Quetiapine	5.569	138216	1486.19	58.3	3485.92	206686	9.7570 ng/ml
Sertraline	5.796	11785	360.06	100.9	85.97	47770	11.7540 ng/ml
Temazepam	5.824	153545	4413.62	28.8	229.85	756223	9.5759 ng/ml
Tramadol	4.257	231186	3106.29	3.6	179.52	1060030	10.1297 ng/ml
Trazodone	5.162	120683	474.27	80.8	920.55	519298	10.2101 ng/ml
Venlafaxine	5.050	187715	180.17	38.9	622.26	985532	10.0230 ng/ml
Zolpidem	4.920	239449	34167.19	30.6	2114.54	1033460	10.6246 ng/ml



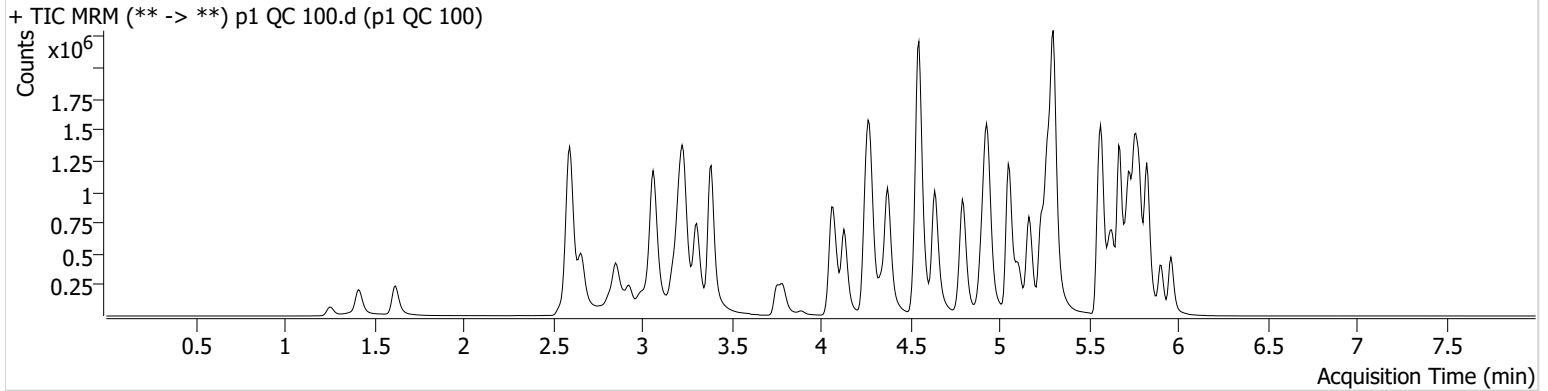


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P6-G4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/27/2022 8:30:17 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	22028	24612.49	75.9	78416.92	57558	10.0090 ng/ml
7-aminoclonazepam	4.270	203494	459.23	79.4	128.38	78497	109.2708 ng/ml
a-hydroxyalprazolam	5.699	202770	497.09	66.7	834.19	243271	105.1540 ng/ml
alpha-PHP	4.943	373222	19098.95	255.8	5654.64	530029	108.1541 ng/ml
alpha-PVP	4.375	1421627	6103.47	51.1	31320.22	530029	99.3179 ng/ml
Alprazolam	5.782	661808	900.53	114.6	3307.33	243271	100.3746 ng/ml
Amphetamine	3.065	2322117	821.33	47.3	1024.38	309489	99.6195 ng/ml
Benzoylecgonine	3.890	30955	218.81	8.1	440.42	10091	102.4049 ng/ml
Buprenorphine	5.853	27615	10520.99	15.2	7117.31	86140	9.6952 ng/ml
Bupropion	4.794	1363762	69372.95	65.5	704.23	486845	101.7122 ng/ml
Carisoprodol	5.731	699281	26953.11	52.3	∞	308295	91.5831 ng/ml
Citalopram	5.232	936266	∞	39.5	995578.98	407368	101.1815 ng/ml
Clonazepam	5.619	690182	2804.68	35.1	55364.55	97655	104.8018 ng/ml
Clonazepam	5.556	480263	431168.13	37.0	158569.97	97655	104.8197 ng/ml
Cocaine	4.276	866410	66053.42	55.6	24614.74	717144	100.3553 ng/ml
Codeine	2.594	107026	915338.80	105.0	104.63	56179	111.1954 ng/ml
Cyclobenzaprine	5.642	520187	31416.62	8.3	6749.77	206744	93.6472 ng/ml
Dextromethorphan	5.281	510360	11204.94	80.5	27225.29	211373	100.9339 ng/ml
Dextrophan	4.130	399137	639026.06	207.0	22521.05	401009	100.4784 ng/ml
Diazepam	5.960	419602	614.41	88.1	2698.53	185599	106.6614 ng/ml
Dihydrocodeine	2.573	303987	7080.97	60.6	∞	175515	105.5636 ng/ml
Diphenhydramine	5.302	2625548	85717.87	31.7	2128.51	1422270	103.4620 ng/ml
Doxylamine	4.548	2783329	1937.13	100.0	3003.33	1185906	103.7472 ng/ml
EDDP	5.267	1077205	484.27	41.8	23024.35	572215	96.0022 ng/ml
Etizolam	5.820	309603	2961.76	25.4	243100.28	97655	90.1273 ng/ml
Fentanyl	5.109	69167	1607.35	67.3	325463.59	346660	10.2151 ng/ml
Flualprazolam	5.712	285983	5603.22	100.7	1125.84	243271	110.1724 ng/ml
Fluoxetine	5.728	310680	47549.56	8.2	25273.46	117122	96.8464 ng/ml
Hydrocodone	3.034	451395	4994.75	34.0	339.45	256334	103.5568 ng/ml
Hydromorphone	1.621	384906	2171907.28	73.1	1713875.66	116039	99.2697 ng/ml
Ketamine	4.063	972793	595.63	38.3	433.30	424081	103.8721 ng/ml
Lamotrigine	4.292	79540	2061.44	89.4	509.94	424081	102.1985 ng/ml
Levetiracetam	2.664	432275	2679.88	155.7	12040.49	1189328	97.5869 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	523908	15977.27	52.9	2311.31	97655	91.3196 ng/ml
MDA	3.212	1467264	3134.82	30.6	5671.98	404535	119.3346 ng/ml
MDMA	3.306	882990	1122445.63	99.2	7953.37	101619	98.7353 ng/ml
Meprobamate	4.910	431531	9064.71	26.9	4249.24	237893	100.6679 ng/ml
Methadone	5.673	1476832	466.35	50.5	20107.86	605813	94.1889 ng/ml
Methamphetamine	3.233	1960276	17790.55	38.7	913.84	787213	105.0351 ng/ml
Metoprolol	4.338	265394	247604.68	83.8	6427.67	941927	110.3957 ng/ml
Mirtazapine	4.636	1768517	238039.46	46.7	1052139.46	530029	93.1040 ng/ml
Mitragynine	5.243	278706	1937.65	38.4	94091.94	605813	100.9735 ng/ml
Morphine	1.261	62911	1627.76	32.5	312.99	15625	101.6892 ng/ml
Norbuprenorphine	5.005	3573	3103.89	106.8	3472.08	16257	10.5285 ng/ml
Nordiazepam	5.907	418707	2836.12	59.6	1332.62	137519	104.1722 ng/ml
Norfentanyl	4.097	221032	44557.90	33.7	41.79	891879	9.6445 ng/ml
Norhydrocodone	3.082	68755	∞	38.4	101.15	57565	96.2731 ng/ml
Noroxycodone	2.925	421427	1362.02	48.5	6776.53	140895	97.7765 ng/ml
O-desmethyl-tramadol	3.386	1984271	48181.63	6.5	2941.12	1067694	96.8746 ng/ml
Oxazepam	5.763	764850	13578.20	71.0	5416.28	396985	108.8075 ng/ml
Oxycodone	2.850	883538	916.73	28.8	1039.21	315878	108.8975 ng/ml
Oxymorphone	1.411	393335	∞	45.5	1312.75	132824	103.4508 ng/ml
Phentermine	3.794	521147	348.59	5.9	108.86	654022	105.5913 ng/ml
Promethazine	5.552	1004700	14690.86	30.1	15271.71	442530	97.9356 ng/ml
Pseudoephedrine	2.597	2463233	37454.82	17.1	510.86	1189328	100.4859 ng/ml
Quetiapine	5.569	1182014	980.35	59.3	262772.47	181340	100.7358 ng/ml
Sertraline	5.796	88037	4036.33	104.8	548.66	40268	97.9713 ng/ml
Temazepam	5.824	1198692	23866.79	27.3	320.13	573350	103.0152 ng/ml
Tramadol	4.257	2008555	101919.67	3.6	358.40	941927	102.3126 ng/ml
Trazodone	5.162	1022275	77923.80	79.0	2195.64	443025	107.0570 ng/ml
Venlafaxine	5.050	1687802	2697.43	38.4	4409.34	864272	100.5601 ng/ml
Zolpidem	4.927	2034346	7950.41	30.3	61359.07	909661	108.4985 ng/ml

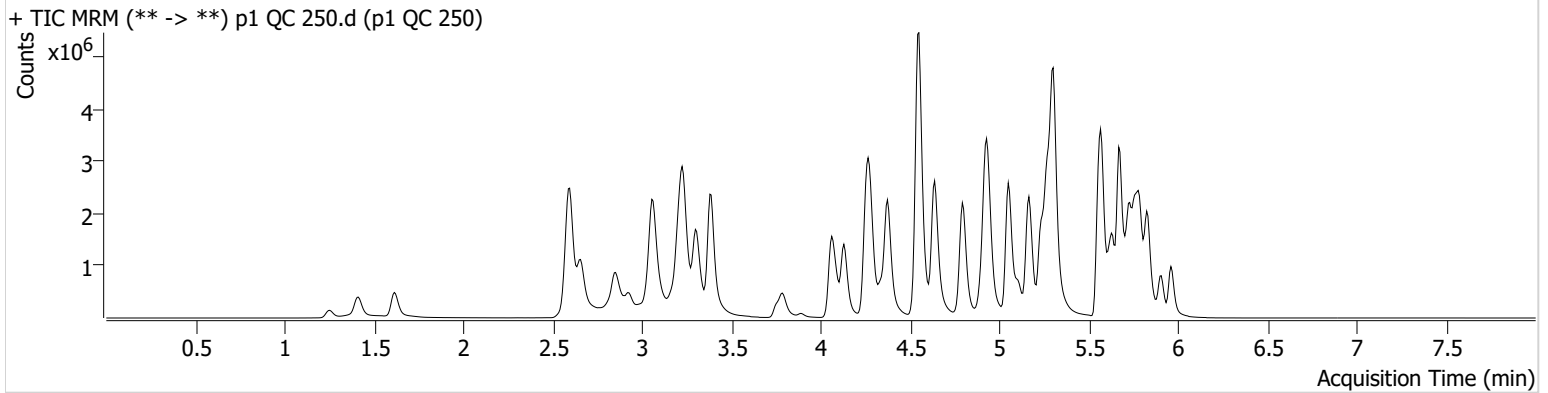
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-F4	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 11:07:14 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	56638	1484.99	72.6	143895.95	58496	25.3673 ng/ml
7-aminoclonazepam	4.270	445944	11097.28	78.6	4900.93	69999	271.8361 ng/ml
a-hydroxyalprazolam	5.699	364332	820.07	68.4	777.45	225324	204.9896 ng/ml
alpha-PHP	4.943	885100	112707.97	259.3	19236.77	521630	261.7860 ng/ml
alpha-PVP	4.375	3562677	3500.67	51.1	33083.26	521630	252.5921 ng/ml
Alprazolam	5.782	1537646	9138.29	113.9	∞	225324	251.3204 ng/ml
Amphetamine	3.065	4991528	662.67	47.4	1456.50	310376	214.4386 ng/ml
Benzoylecgonine	3.890	74998	558.57	8.4	577.26	10267	243.7785 ng/ml
Buprenorphine	5.853	78809	78487.84	15.7	24380.11	91634	25.9327 ng/ml
Bupropion	4.794	3513112	206396.94	64.0	∞	505181	252.8511 ng/ml
Carisoprodol	5.731	1379698	602339.69	52.1	12096.25	229877	240.3569 ng/ml
Citalopram	5.232	2344822	19656.97	39.2	6045.35	404283	255.0880 ng/ml
Clonazepam	5.619	1450079	10724.24	35.2	21895.44	85395	252.8602 ng/ml
Clonazepam	5.556	880902	180044.20	38.0	406551.32	85395	220.8243 ng/ml
Cocaine	4.276	1986176	61316.24	55.6	83284.15	665312	248.0958 ng/ml
Codeine	2.594	233043	2027.70	104.8	12764.55	53406	256.2911 ng/ml
Cyclobenzaprine	5.635	1684212	7943.26	8.0	18146.92	248188	251.6904 ng/ml
Dextromethorphan	5.275	1279590	3599.60	79.9	46754.08	210877	253.8943 ng/ml
Dextrophan	4.130	994865	40967.48	205.6	61956.55	390908	256.8047 ng/ml
Diazepam	5.960	1028381	474.88	88.1	17614.24	183938	264.0495 ng/ml
Dihydrocodeine	2.566	719958	10815.46	62.4	10037.35	179966	244.5347 ng/ml
Diphenhydramine	5.302	6892077	159700.67	31.1	34525.09	1405414	274.2742 ng/ml
Doxylamine	4.548	7335766	236117.40	98.8	190388.05	1229076	264.0273 ng/ml
EDDP	5.267	2781756	69161.13	41.6	28503.94	580855	243.9043 ng/ml
Etizolam	5.820	732163	27785.50	25.2	11240.59	85395	243.1312 ng/ml
Fentanyl	5.109	221622	37357.66	72.4	29064.42	453848	24.9849 ng/ml
Flualprazolam	5.712	616199	18848.21	105.3	8663.06	225324	257.3616 ng/ml
Fluoxetine	5.728	912810	68267.26	8.4	125638.39	131636	252.7352 ng/ml
Hydrocodone	3.027	1071482	472.84	35.2	792.58	258056	245.4346 ng/ml
Hydromorphone	1.615	913006	2614.71	72.8	1591768.25	109886	248.0387 ng/ml
Ketamine	4.063	2372551	1119.87	38.4	1107.37	423077	254.8720 ng/ml
Lamotrigine	4.292	175312	3923.65	89.4	11916.13	423077	226.9790 ng/ml
Levetiracetam	2.658	958882	1548.50	156.5	39131.47	1102696	233.4428 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	<del>5.754</del>	<del>789374</del>	<del>37402.16</del>	<del>52.9</del>	<del>1800.21</del>	<del>85395</del>	<del>158.2961 ng/ml*</del>
MDA	3.205	3006267	1506.79	29.9	4907.72	374993	265.4747 ng/ml
MDMA	3.306	2145206	14405.22	100.8	8508.63	95144	256.0780 ng/ml
Meprobamate	4.910	842265	22526.34	27.0	1866.89	221237	212.4980 ng/ml
Methadone	5.673	4181446	13043.26	48.6	2368.62	667833	239.8105 ng/ml
Methamphetamine	3.233	4860396	886.91	38.3	2748.34	836819	246.5725 ng/ml
Metoprolol	4.338	613803	87078.21	86.8	18707.90	888416	272.1782 ng/ml
Mirtazapine	4.636	4783983	119799.83	45.3	271463.03	521630	255.0052 ng/ml
Mitragynine	5.243	759371	37297.92	38.4	405039.32	667833	249.4178 ng/ml
Morphine	1.253	145825	4250.76	32.7	352.70	15121	243.8430 ng/ml
Norbuprenorphine	5.005	9673	15205.30	106.8	404.42	19051	24.6359 ng/ml
Nordiazepam	5.907	961003	32548.01	59.8	940.77	129400	254.5130 ng/ml
Norfentanyl	4.090	549220	224.32	34.0	80.23	826670	25.7545 ng/ml
Norhydrocodone	3.082	161313	∞	39.7	686.65	49640	260.0819 ng/ml
Noroxycodone	2.925	891647	3828.57	47.9	725.68	115978	251.6869 ng/ml
O-desmethyl-tramadol	3.386	4986368	125282.49	6.6	2910.15	1034441	250.9149 ng/ml
Oxazepam	5.763	1290587	372099.89	70.9	6578.12	284324	257.0533 ng/ml
Oxycodone	2.843	2118390	1550.32	29.0	4237.48	322790	256.6537 ng/ml
Oxymorphone	1.411	948917	∞	43.4	715.66	124108	267.7037 ng/ml
Phentermine	3.787	1234977	6199.75	5.8	1247.95	675269	243.7307 ng/ml
Promethazine	5.552	3269070	134320.15	29.1	2907.34	549149	256.3909 ng/ml
Pseudoephedrine	2.597	5796923	141489.79	17.1	38988.53	1102696	254.6226 ng/ml
Quetiapine	5.569	2909420	123117.15	61.1	1727.69	188010	240.0403 ng/ml
Sertraline	5.796	263490	8907.43	101.0	579.99	47514	247.2959 ng/ml
Temazepam	5.831	2348141	50386.98	26.9	2592.20	462844	250.6563 ng/ml
Tramadol	4.257	4794343	∞	3.6	2360.76	888416	259.4962 ng/ml
Trazodone	5.162	3018855	1699.61	80.1	211528.07	537749	261.3703 ng/ml
Venlafaxine	5.050	4327215	206692.01	37.3	4825.85	852824	260.8977 ng/ml
Zolpidem	4.920	5076788	5746.18	29.1	80649.20	915220	270.1352 ng/ml

\*Outside curve range.

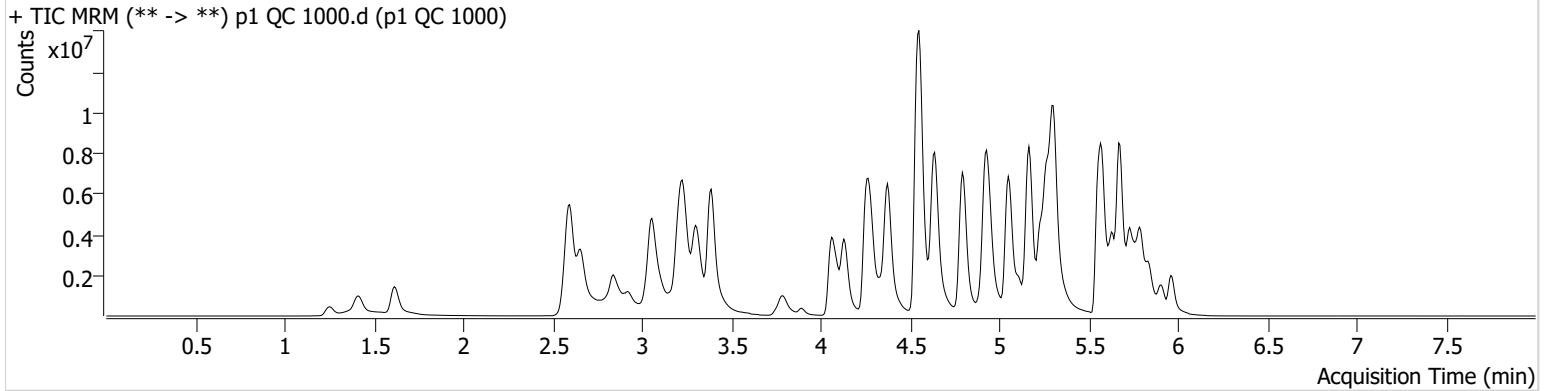


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 4/28/2022 2:11:56 PM

Instrument Falco (069901) Data File p1 QC 1000.d  
Type QC Sample p1 QC 1000  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P6-E4 Comment  
Injection Volume 2  
Acq. Date-Time 4/26/2022 11:28:30 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	221160	5857.34	70.9	2089.68	57198	101.3908 ng/ml
<del>7-aminoclonazepam</del>	<del>4.270</del>	<del>621306</del>	<del>7972.69</del>	<del>79.4</del>	<del>7146.00</del>	<del>38077</del>	<del>699.7812 ng/ml</del> *
<del>a-hydroxyalprazolam</del>	<del>5.692</del>	<del>477059</del>	<del>166.88</del>	<del>67.2</del>	<del>125.58</del>	<del>131832</del>	<del>460.0877 ng/ml</del> *
alpha-PHP	4.943	2460990	35377.74	264.8	216233.25	430210	884.5251 ng/ml
alpha-PVP	4.375	12411665	267103.95	50.3	48911.82	430210	1066.3265 ng/ml
Alprazolam	5.782	3520087	412.50	112.1	732.74	131832	982.4540 ng/ml
<del>Amphetamine</del>	<del>3.058</del>	<del>11769084</del>	<del>140.74</del>	<del>47.6</del>	<del>138.52</del>	<del>276886</del>	<del>568.0725 ng/ml</del> *
Benzoylcegonine	3.890	362875	13577.21	8.2	220.63	11736	1031.7156 ng/ml
<del>Buprenorphine</del>	<del>5.853</del>	<del>332379</del>	<del>71382.20</del>	<del>15.6</del>	<del>71101.46</del>	<del>76289</del>	<del>131.1854 ng/ml</del> *
Bupropion	4.794	12937883	682692.72	63.5	343165.00	506217	929.9051 ng/ml
Carisoprodol	5.737	2047894	119900.09	53.1	10209.45	77568	1053.2032 ng/ml
Citalopram	5.225	5963109	54210.71	38.5	10105.03	250976	1044.4693 ng/ml
Clonazepam	5.612	2380008	26203.56	34.9	25177.83	43397	818.3347 ng/ml
<del>Clonazepam</del>	<del>5.556</del>	<del>1064295</del>	<del>31316.68</del>	<del>38.6</del>	<del>5129.37</del>	<del>43397</del>	<del>526.1952 ng/ml</del> *
Cocaine	4.276	5776235	161727.99	54.3	65764.90	471983	1017.3021 ng/ml
Codeine	2.594	589390	6209.68	97.8	15646.42	41771	831.5082 ng/ml
Cyclobenzaprine	5.635	5843550	163218.88	7.5	1415.09	198191	1091.8247 ng/ml
Dextromethorphan	5.275	2885135	167746.35	78.7	124379.10	116266	1038.7865 ng/ml
Dextrophan	4.130	3274401	44471.07	208.8	980387.87	302981	1090.2735 ng/ml
Diazepam	5.960	2564875	5776.23	88.6	∞	122647	988.1928 ng/ml
<del>Dihydrocodeine</del>	<del>2.559</del>	<del>2224171</del>	<del>20064.41</del>	<del>62.7</del>	<del>10905.47</del>	<del>190714</del>	<del>713.8973 ng/ml</del> *
Diphenhydramine	5.302	18483827	1130662.87	32.9	279044.71	941678	1096.7777 ng/ml
Doxylamine	4.548	23851368	914272.19	98.3	341408.12	1214708	868.8962 ng/ml
EDDP	5.267	10109525	∞	40.5	64190.42	502041	1024.8883 ng/ml
Etizolam	5.827	1844893	21677.53	25.1	22813.87	43397	1204.1123 ng/ml
Fentanyl	5.109	1121443	16094.16	69.4	56880.44	527994	108.6374 ng/ml
Flualprazolam	5.712	1196342	6542.54	107.3	4684.30	131832	855.8771 ng/ml
Fluoxetine	5.728	3097304	33586.76	8.3	2139.70	103367	1091.2054 ng/ml
Hydrocodone	3.027	3577919	168.19	36.5	224.90	232155	913.5196 ng/ml
Hydromorphone	1.615	3379287	9857188.00	72.4	14283555.3	99103	1016.6820 ng/ml
Ketamine	4.063	8107555	411583.97	36.5	30338.27	399619	923.7791 ng/ml
<del>Lamotrigine</del>	<del>4.299</del>	<del>348815</del>	<del>1140.67</del>	<del>90.6</del>	<del>12625.24</del>	<del>399619</del>	<del>479.2145 ng/ml</del> *

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.658	2836931	2538.72	160.9	23896.44	784076	971.2447 ng/ml
<del>Lorazepam</del>	<del>5.754</del>	<del>866343</del>	<del>33167.23</del>	<del>52.0</del>	<del>3441.52</del>	<del>43397</del>	<del>343.3833 ng/ml</del> *
MDA	3.199	5847363	118588.82	28.7	12399.41	232472	835.9463 ng/ml
MDMA	3.306	6671472	526953.26	96.5	2547.31	74582	1015.7223 ng/ml
<del>Meprobamate</del>	<del>4.903</del>	<del>1446330</del>	<del>24806.08</del>	<del>22.1</del>	<del>21705.82</del>	<del>172540</del>	<del>469.2238 ng/ml</del> *
Methadone	5.673	13462173	204760.00	48.2	1095840.55	497347	1032.2667 ng/ml
<del>Methamphetamine</del>	<del>3.227</del>	<del>15406206</del>	<del>175295.52</del>	<del>36.9</del>	<del>∞</del>	<del>911689</del>	<del>719.6532 ng/ml</del> *
Metoprolol	4.338	1532610	184463.28	87.1	115132.27	779995	775.9465 ng/ml
Mirtazapine	4.636	16597218	230904.92	44.8	437832.06	430210	1071.0380 ng/ml
Mitragynine	5.243	2145844	115481.27	39.4	1200665.89	497347	946.1291 ng/ml
Morphine	1.253	519913	236.49	31.1	134.41	14136	930.4796 ng/ml
Norbuprenorphine	5.005	41117	26599.02	102.2	344.57	19374	103.7336 ng/ml
Nordiazepam	5.907	1882079	1954.21	60.1	14982.27	69495	928.8918 ng/ml
<del>Norfentanyl</del>	<del>4.097</del>	<del>1925288</del>	<del>63454.88</del>	<del>33.8</del>	<del>18735.78</del>	<del>550411</del>	<del>135.3412 ng/ml</del> *
<del>Norhydrocodone</del>	<del>3.075</del>	<del>594544</del>	<del>206.68</del>	<del>40.7</del>	<del>∞</del>	<del>37471</del>	<del>1265.6788 ng/ml</del> *
Noroxycodone	2.925	2039402	11157.86	47.7	3325.55	66062	1011.3484 ng/ml
O-desmethyl-tramadol	3.386	17483866	173138.39	6.5	13063.48	896436	1014.5608 ng/ml
Oxazepam	5.756	1270461	17406.47	72.7	5522.42	76668	939.7965 ng/ml
Oxycodone	2.836	6296547	1049.18	28.9	583.62	291236	847.4706 ng/ml
Oxymorphone	1.411	2948892	∞	45.0	∞	107138	964.6841 ng/ml
<del>Phentermine</del>	<del>3.787</del>	<del>3393002</del>	<del>∞</del>	<del>5.9</del>	<del>3088.98</del>	<del>674815</del>	<del>671.9457 ng/ml</del> *
Promethazine	5.552	12031691	235850.19	28.1	∞	496274	1043.4185 ng/ml
Pseudoephedrine	2.597	17605975	151253.73	16.6	26824.64	784076	1086.6394 ng/ml
Quetiapine	5.569	7929013	716.19	61.4	51678.91	148316	830.8405 ng/ml
Sertraline	5.796	1032349	165915.12	100.4	36140.82	43397	1058.2477 ng/ml
Temazepam	5.837	3415006	82156.27	27.1	2703.94	173831	971.9922 ng/ml
Tramadol	4.251	14362553	∞	3.5	587.34	779995	886.3365 ng/ml
Trazodone	5.162	11585529	669525.81	80.6	1896.27	622342	868.1959 ng/ml
Venlafaxine	5.050	14636612	394800.87	35.8	2437.18	686397	1095.6819 ng/ml
Zolpidem	4.920	14931983	719992.34	28.7	2034.26	885896	822.2298 ng/ml

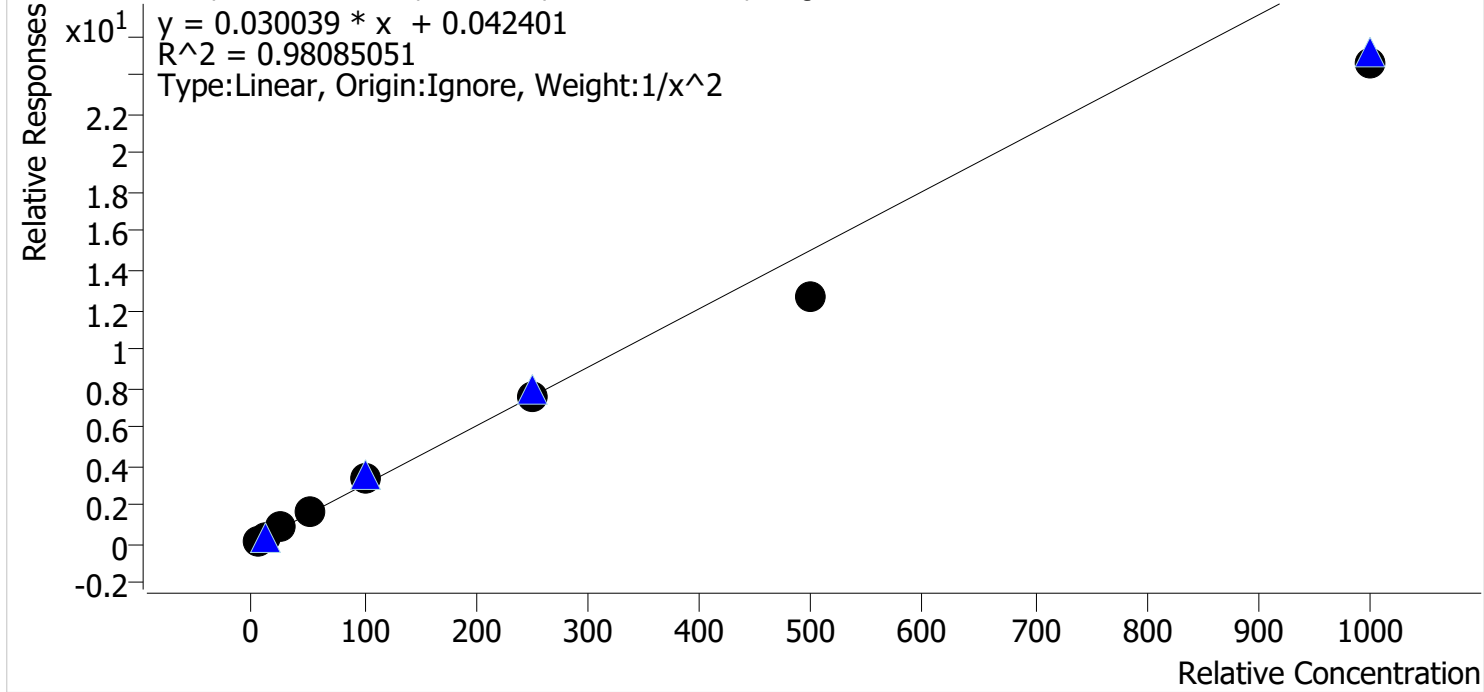
\*Outside curve range.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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

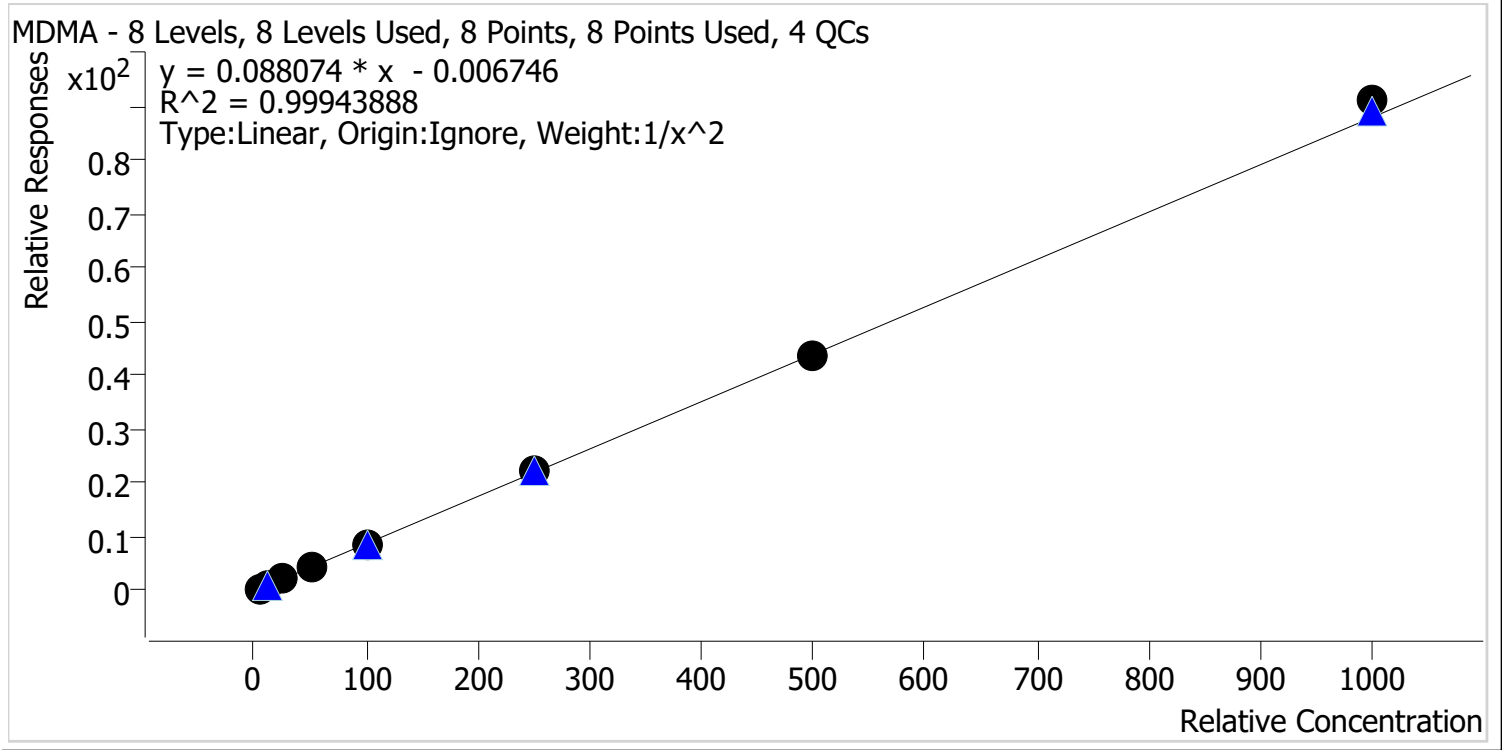


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.5
p1 Cal 4-50ng	4	✓	50.0	56.5	112.9
p1 Cal 5-100ng	5	✓	100.0	110.6	110.6
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	423.3	84.7
p1 Cal 8-1000ng	8	✓	1000.0	815.9	81.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



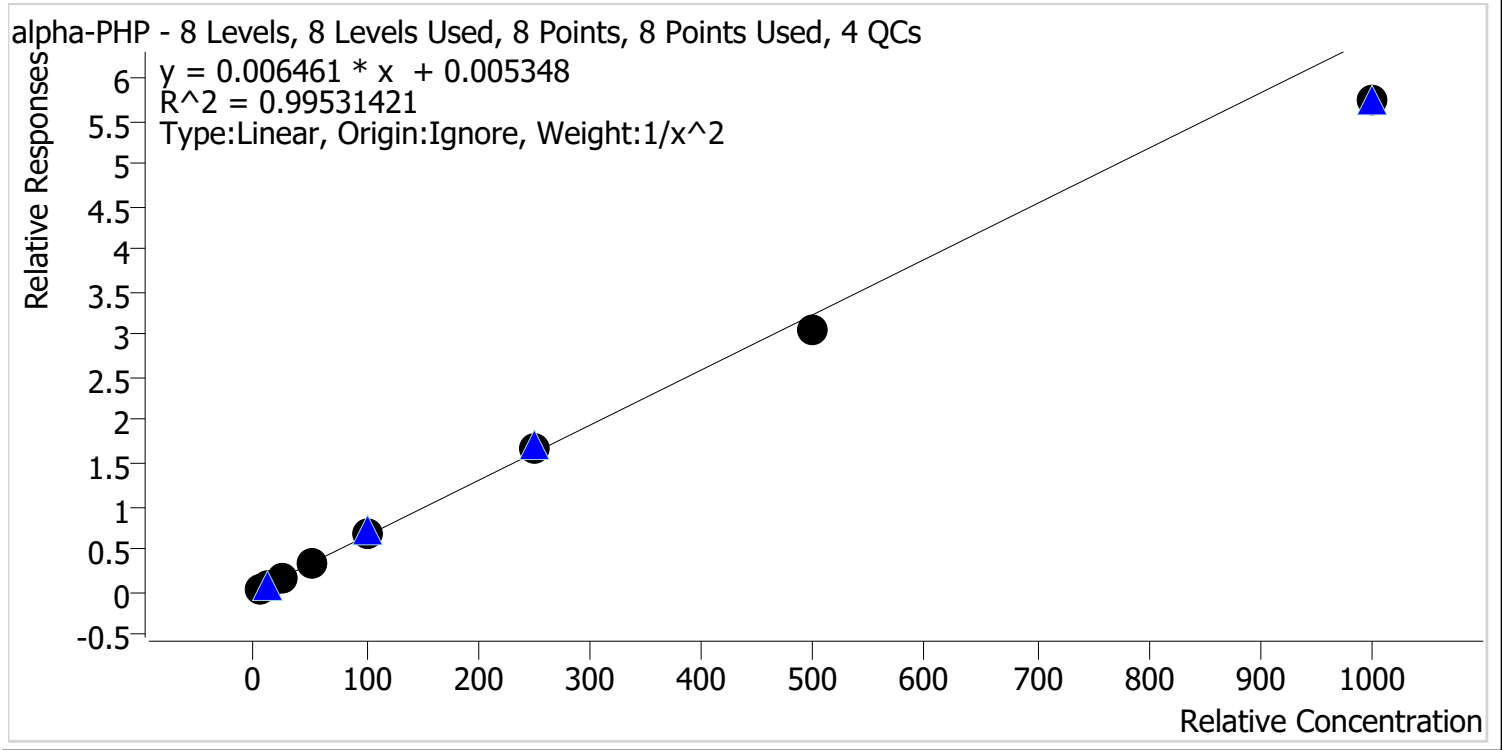
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1035.4	103.5





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

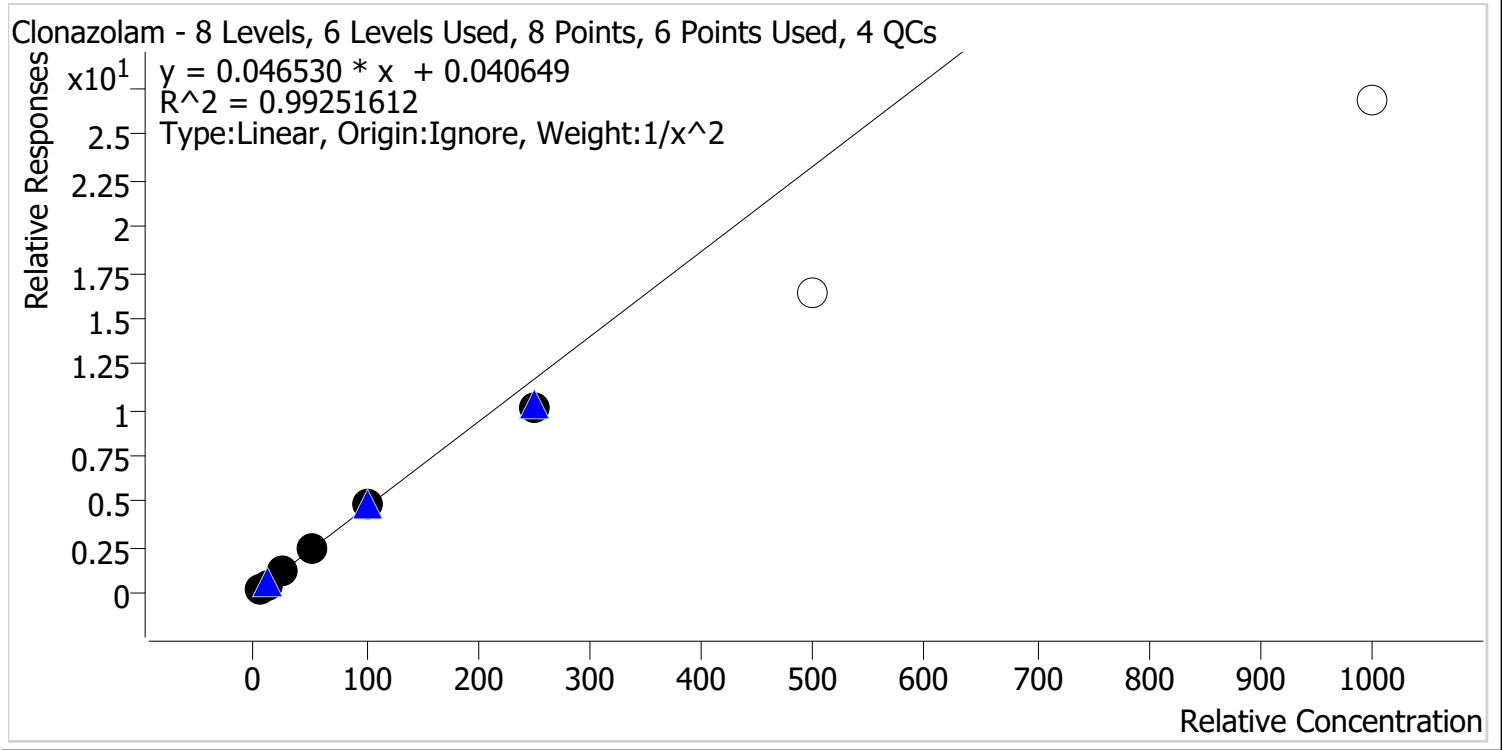


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	473.9	94.8
p1 Cal 8-1000ng	8	✓	1000.0	886.2	88.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



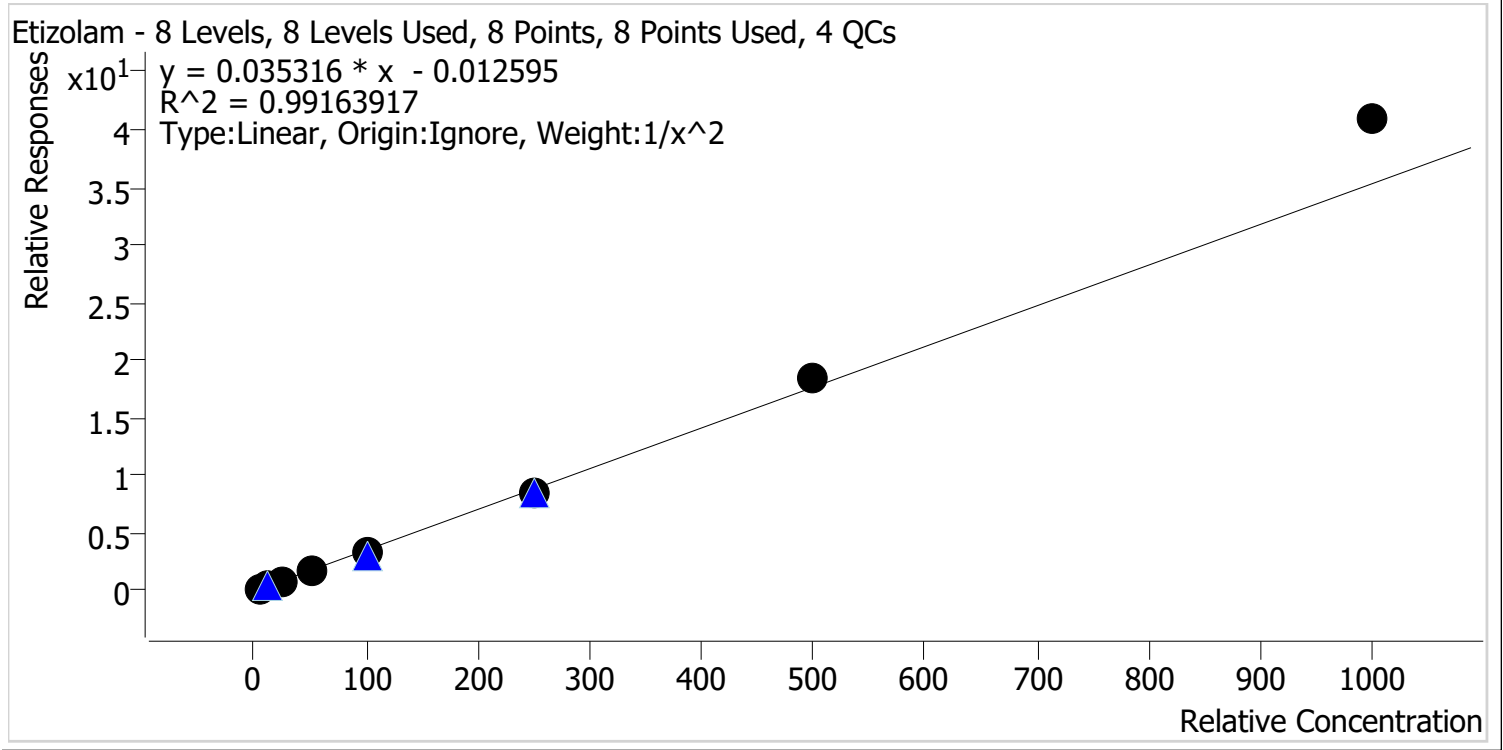
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	217.5	87.0
p1 Cal 7-500ng	7	x	500.0	349.9	70.0
p1 Cal 8-1000ng	8	x	1000.0	576.5	57.7

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

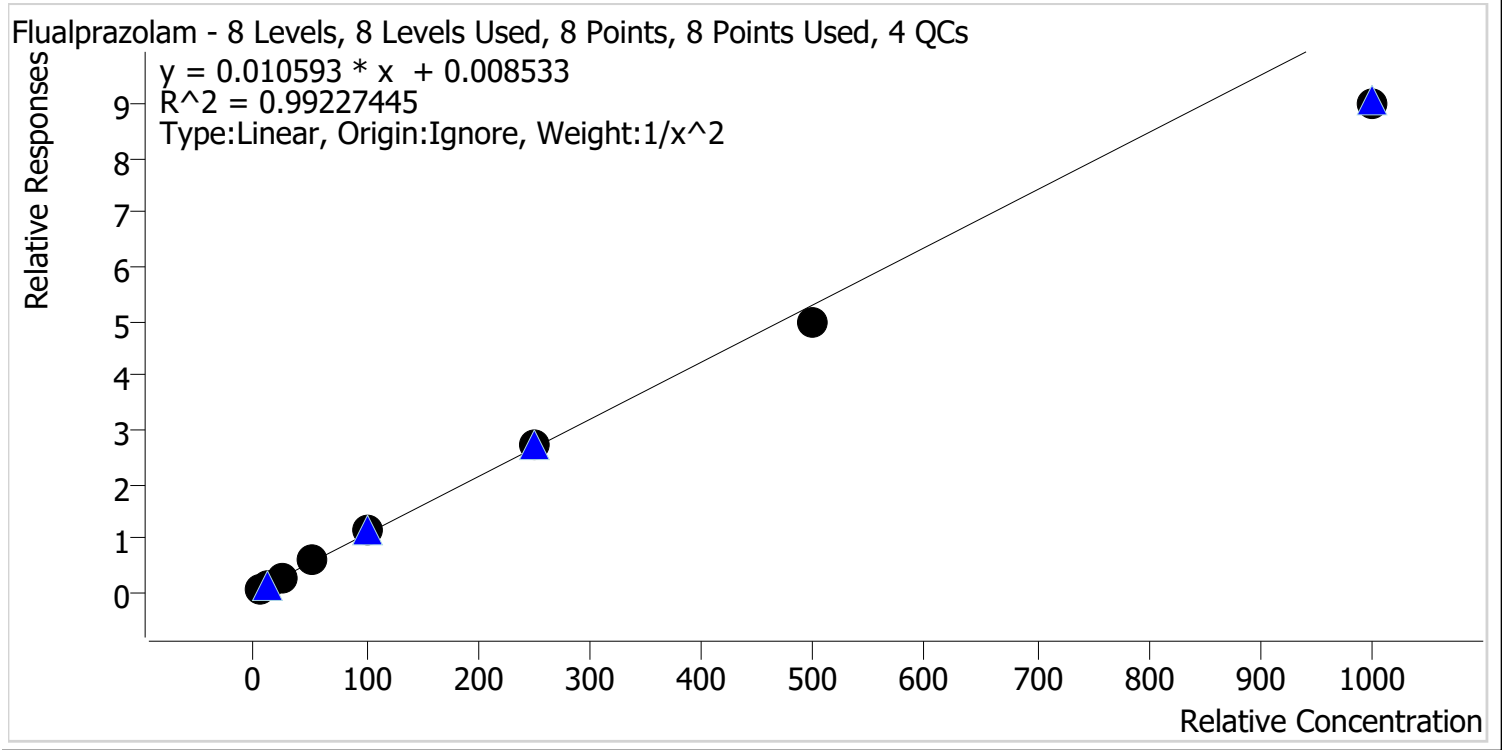


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	46.1	92.2
p1 Cal 5-100ng	5	✓	100.0	92.7	92.7
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	524.7	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1161.6	116.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

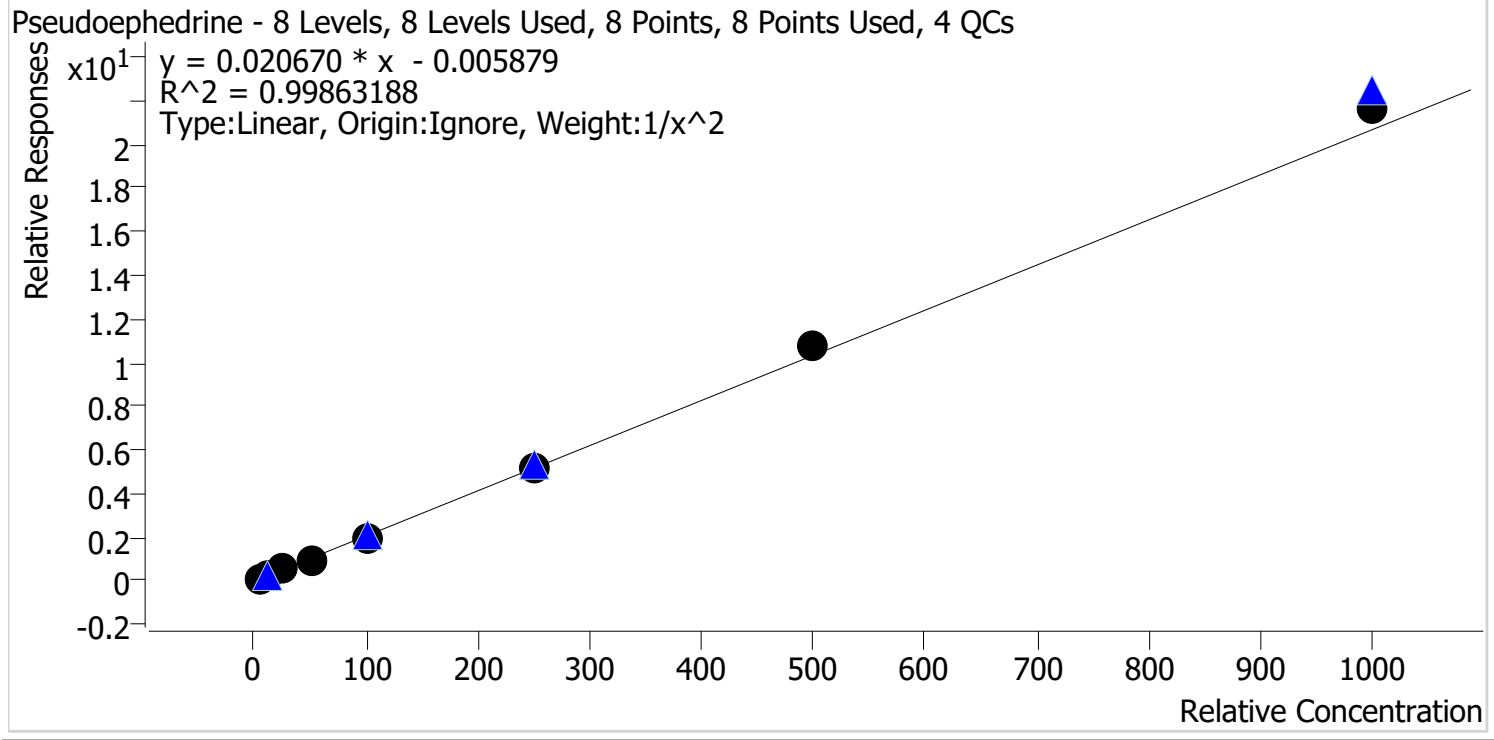


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	470.6	94.1
p1 Cal 8-1000ng	8	✓	1000.0	850.4	85.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

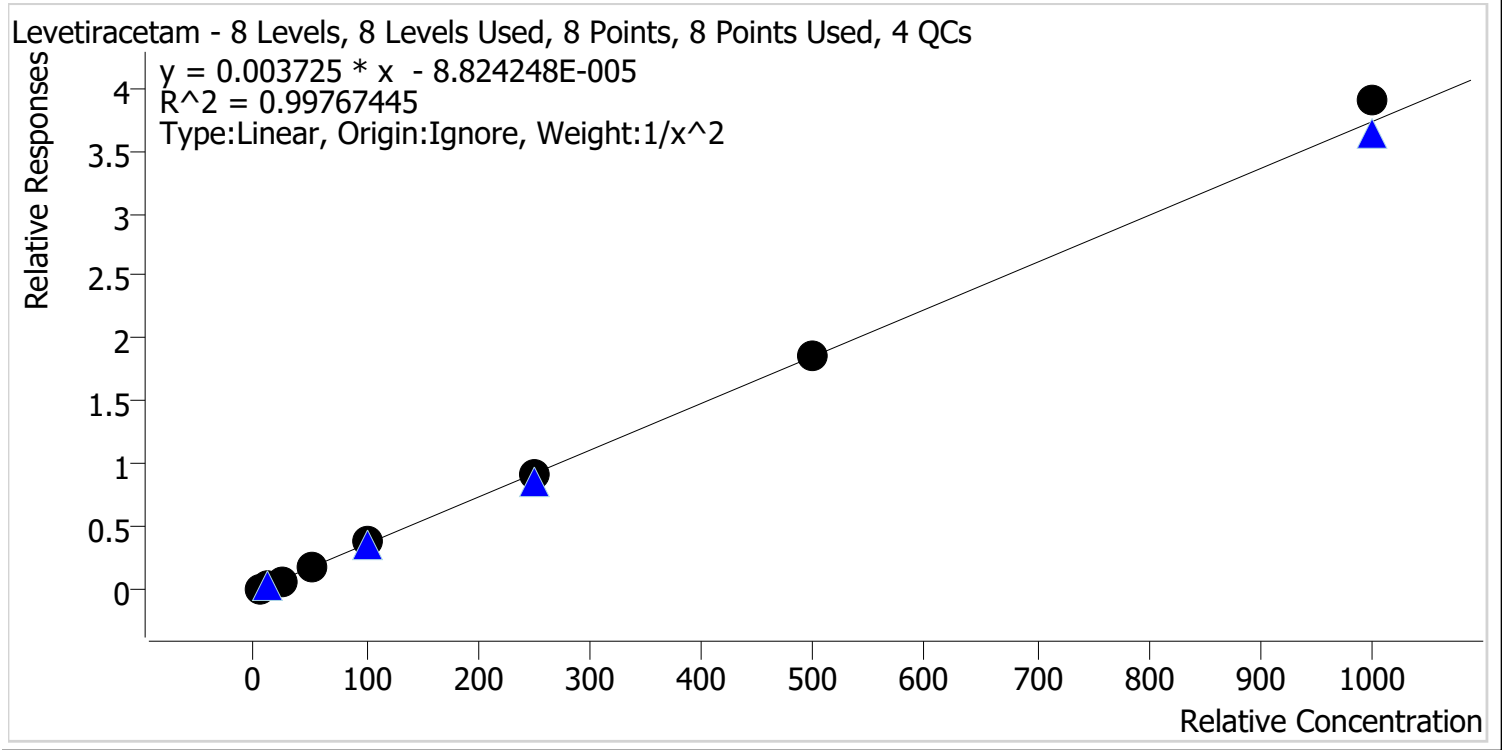


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	522.0	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1046.9	104.7



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

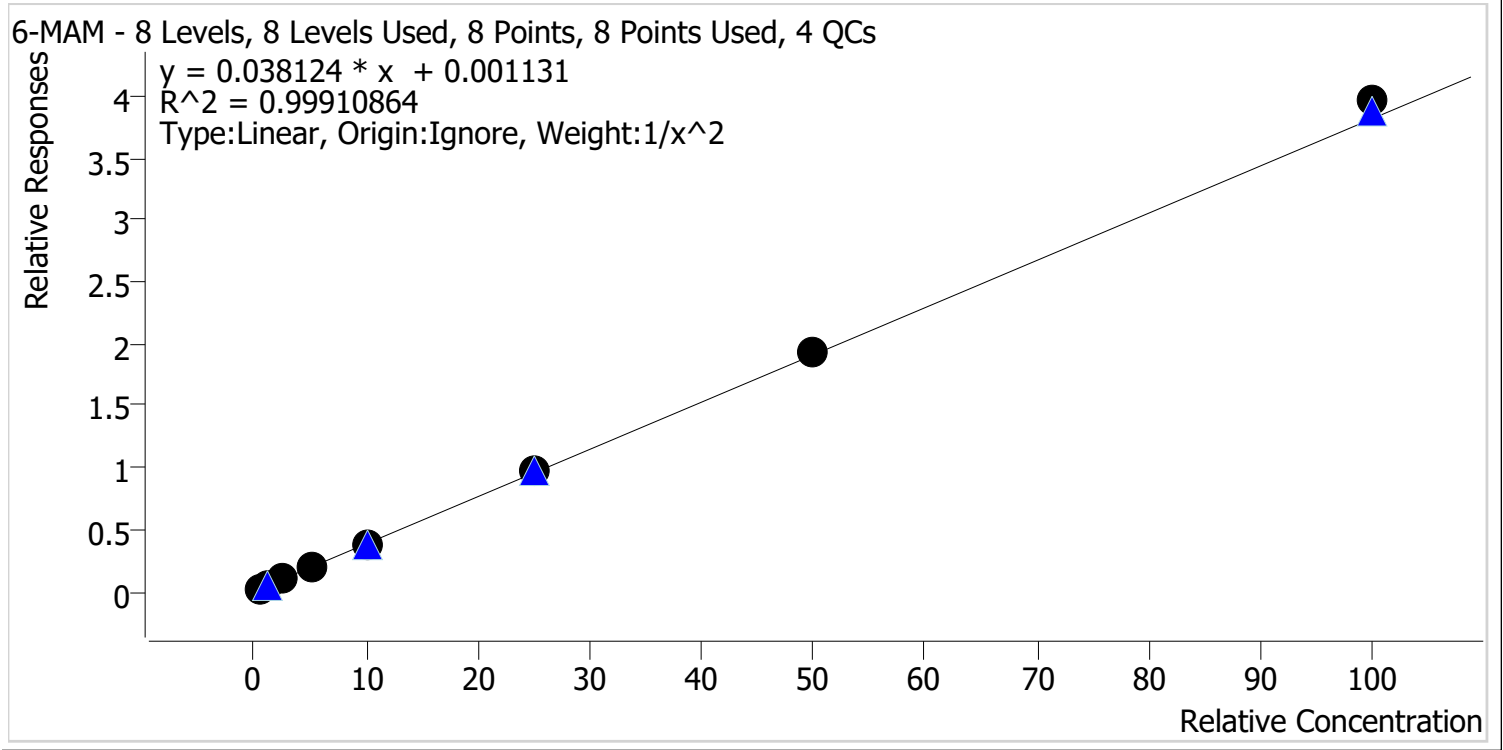


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.2
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1044.8	104.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

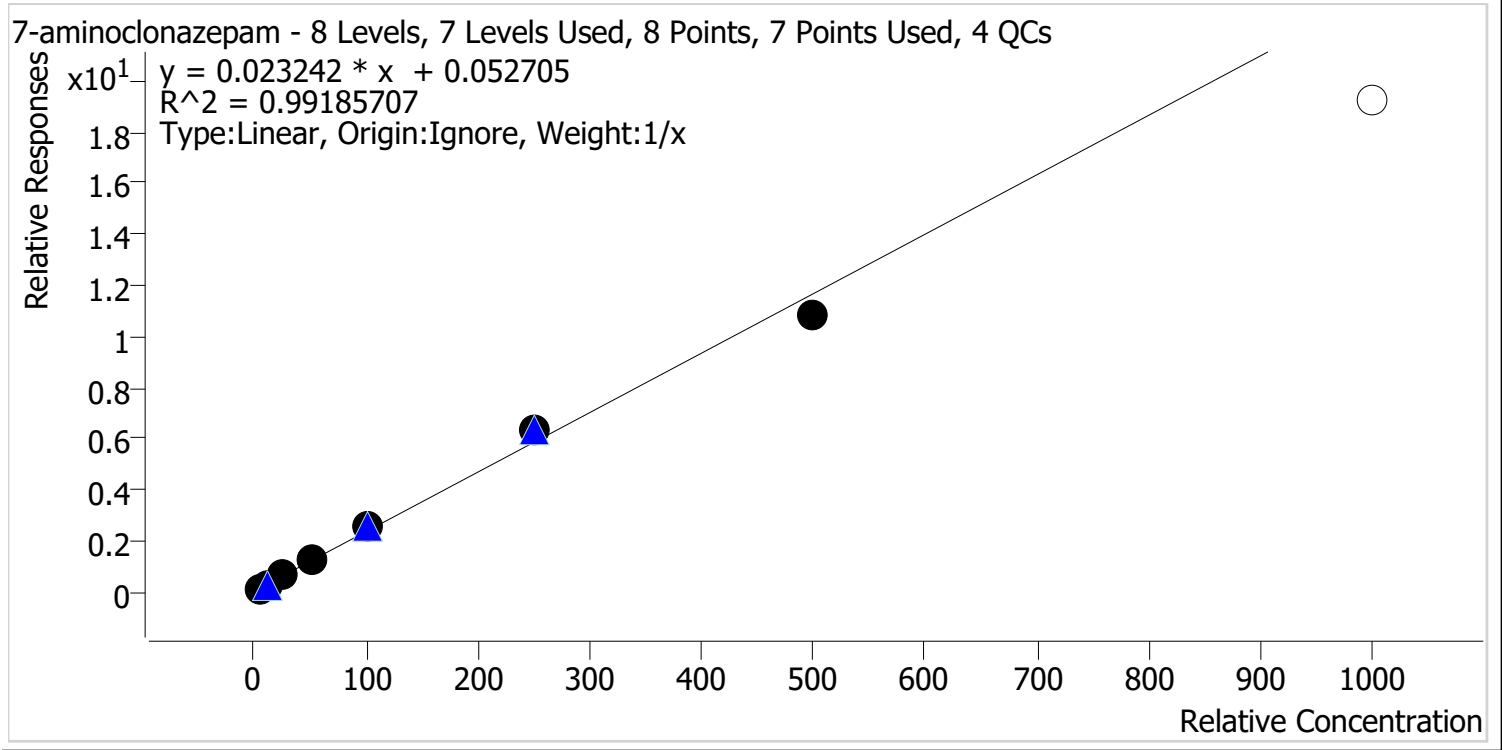


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.2
p1 Cal 5-100ng	5	✓	10.0	9.8	98.5
p1 Cal 6-250ng	6	✓	25.0	25.3	101.1
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	103.8	103.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	75.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.3
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	111.8	111.8
p1 Cal 6-250ng	6	✓	250.0	269.9	108.0
p1 Cal 7-500ng	7	✓	500.0	463.2	92.6
p1 Cal 8-1000ng	8	✗	1000.0	824.8	82.5

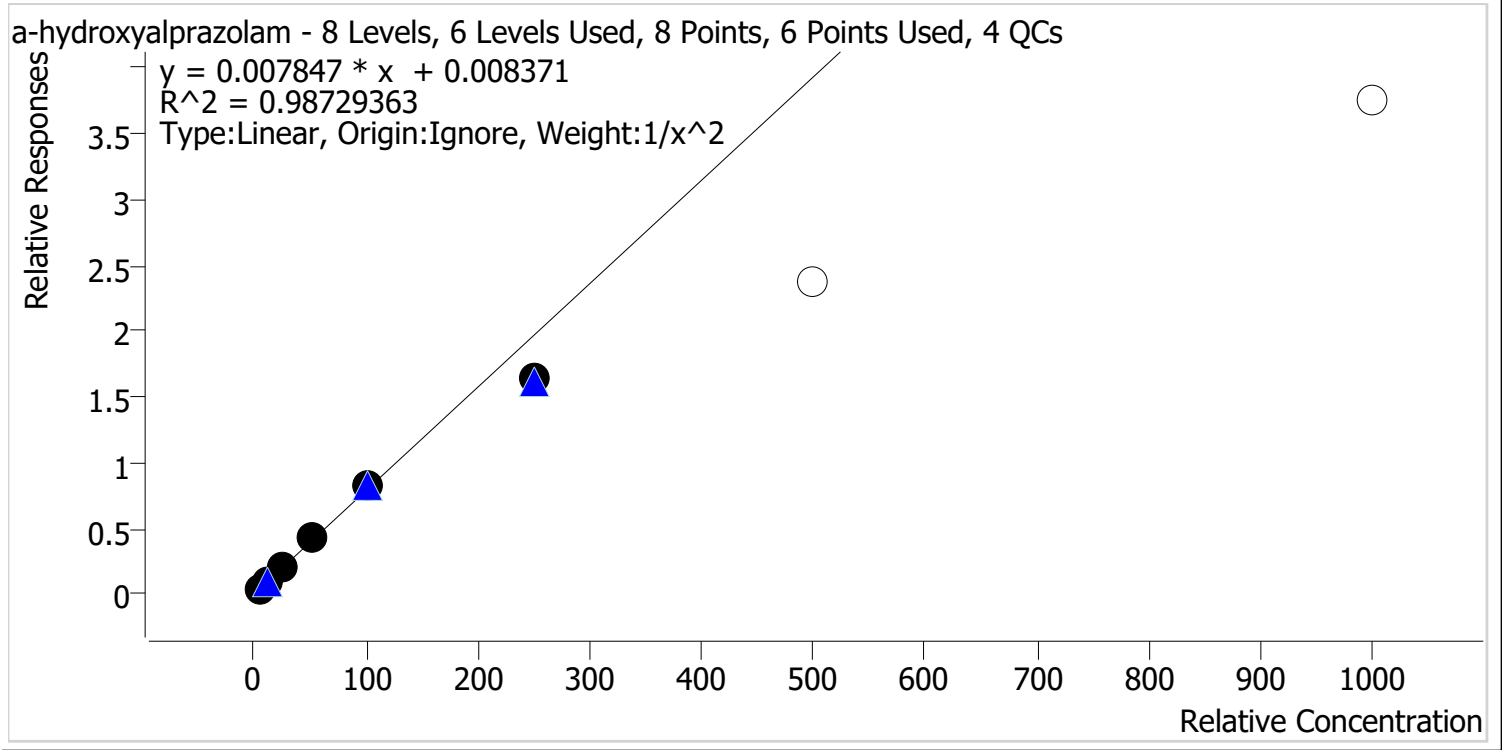
Calibrator 8 dropped due to QC not meeting accuracy requirement.





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



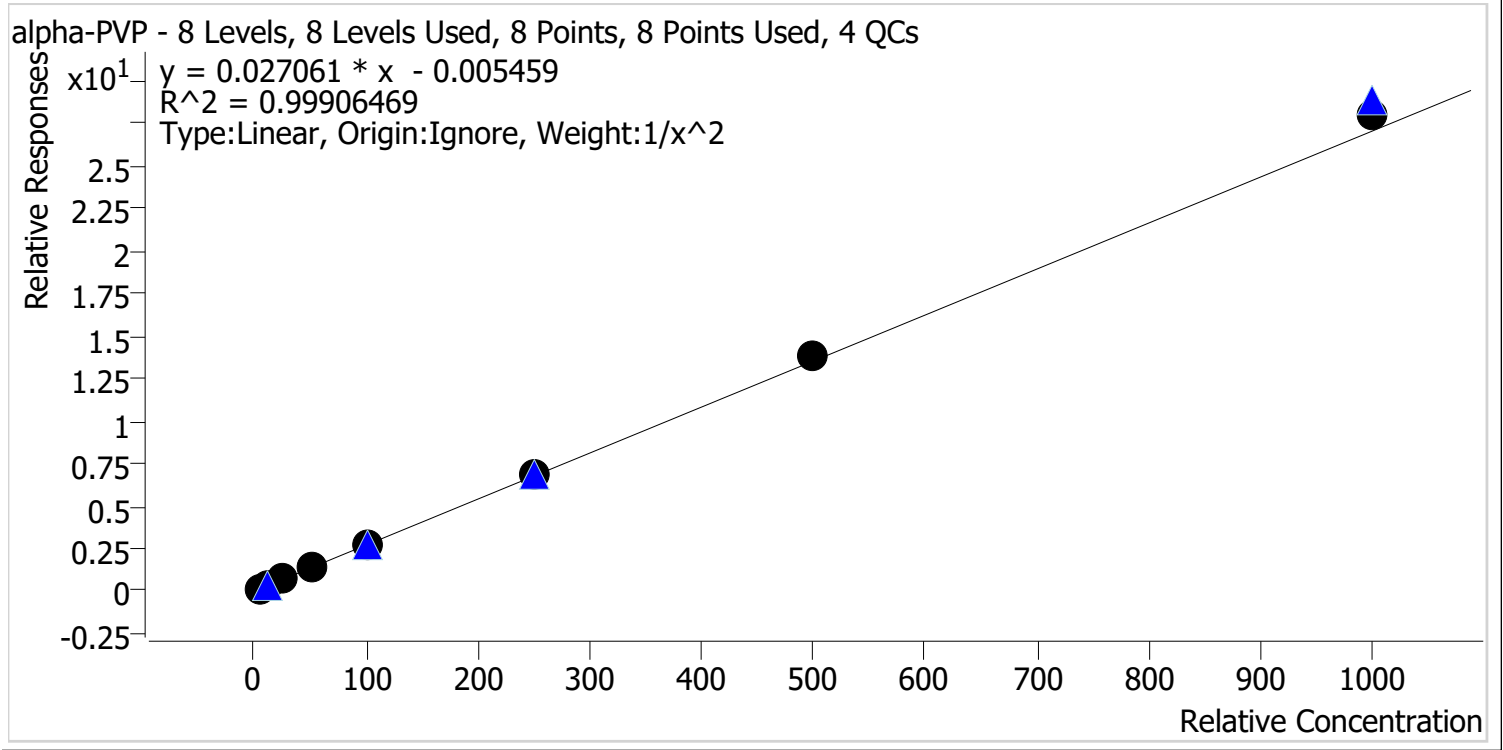
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	207.0	82.8
p1 Cal 7-500ng	7	x	500.0	303.2	60.6
p1 Cal 8-1000ng	8	x	1000.0	477.1	47.7

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

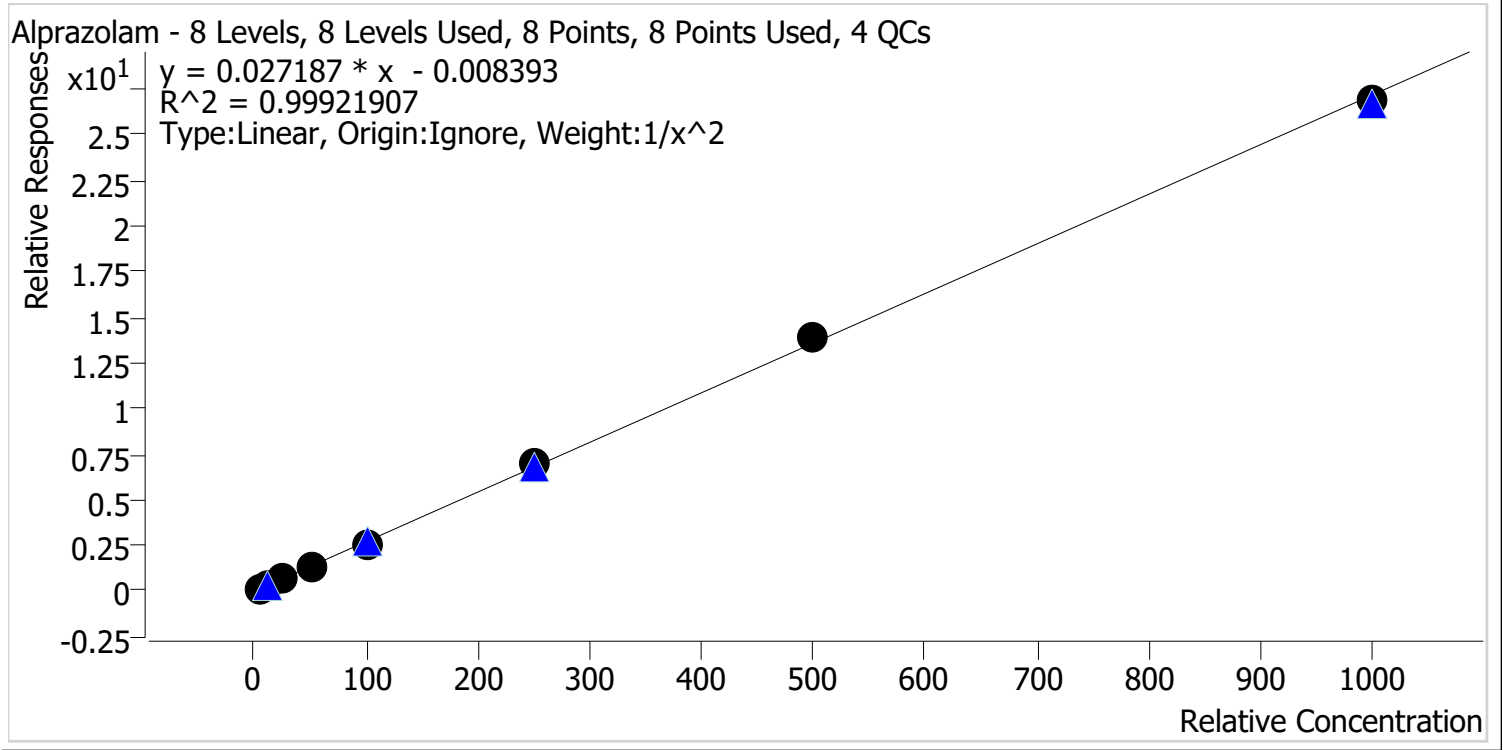


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	252.4	100.9
p1 Cal 7-500ng	7	✓	500.0	514.8	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1035.9	103.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

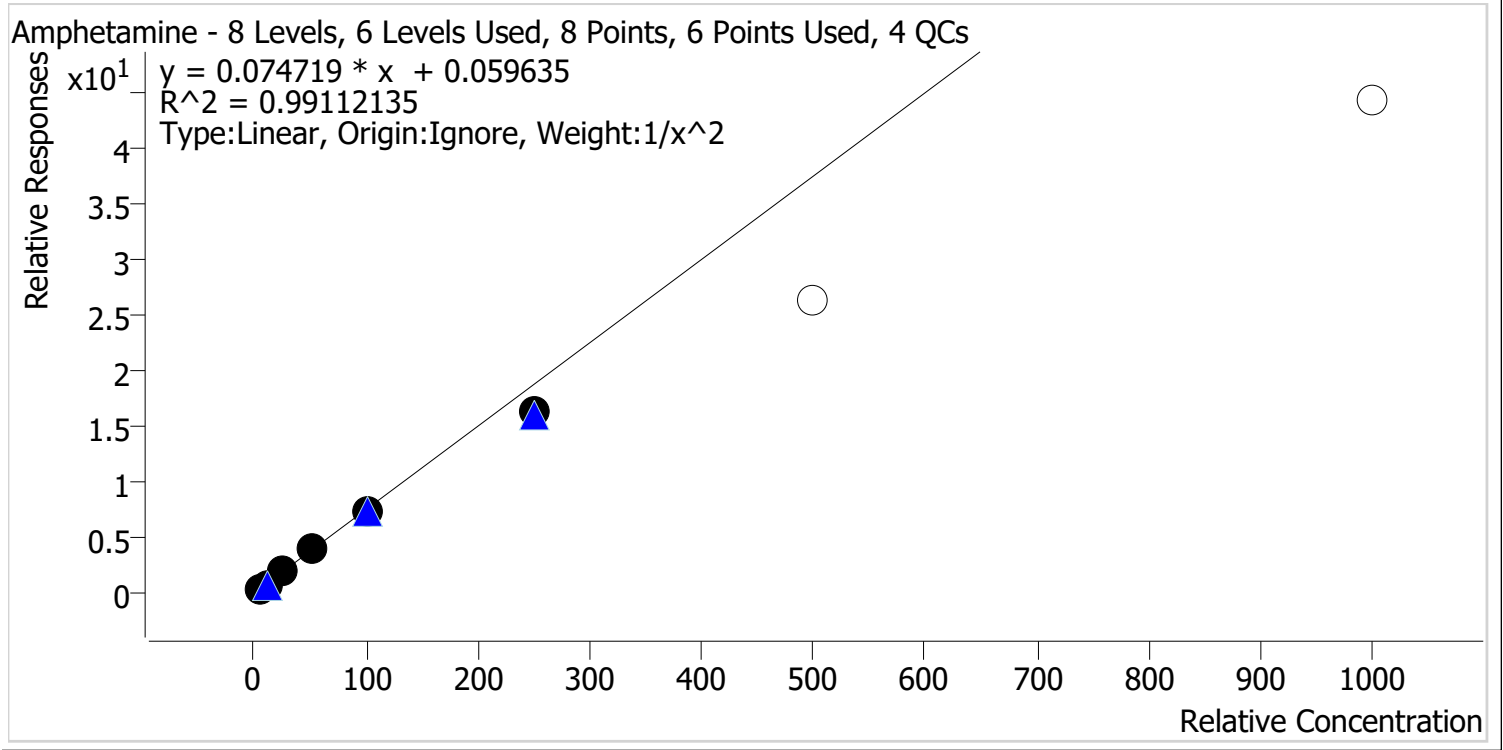


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	259.0	103.6
p1 Cal 7-500ng	7	✓	500.0	514.4	102.9
p1 Cal 8-1000ng	8	✓	1000.0	988.9	98.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



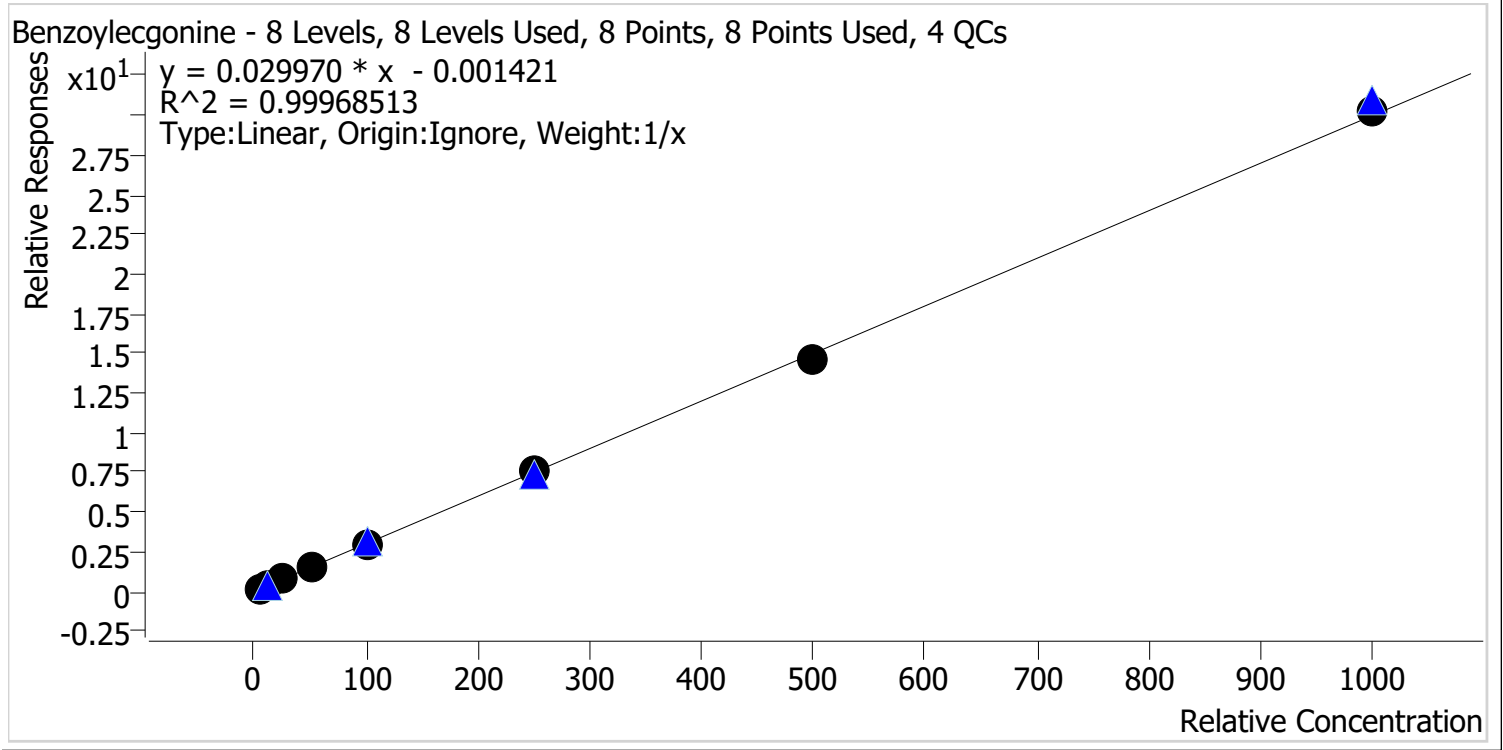
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	217.8	87.1
p1 Cal 7-500ng	7	x	500.0	349.6	69.9
p1 Cal 8-1000ng	8	x	1000.0	590.6	59.1

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

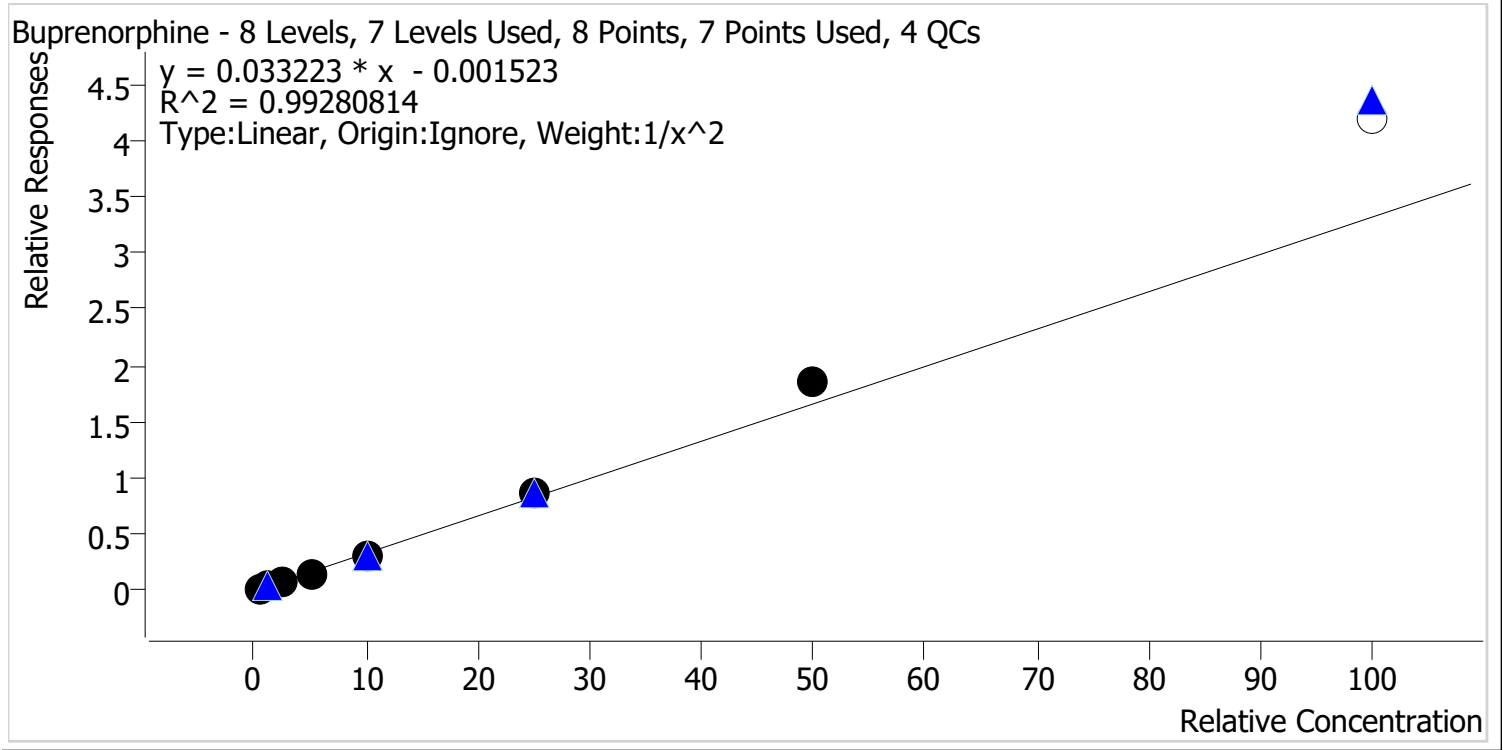


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	490.7	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



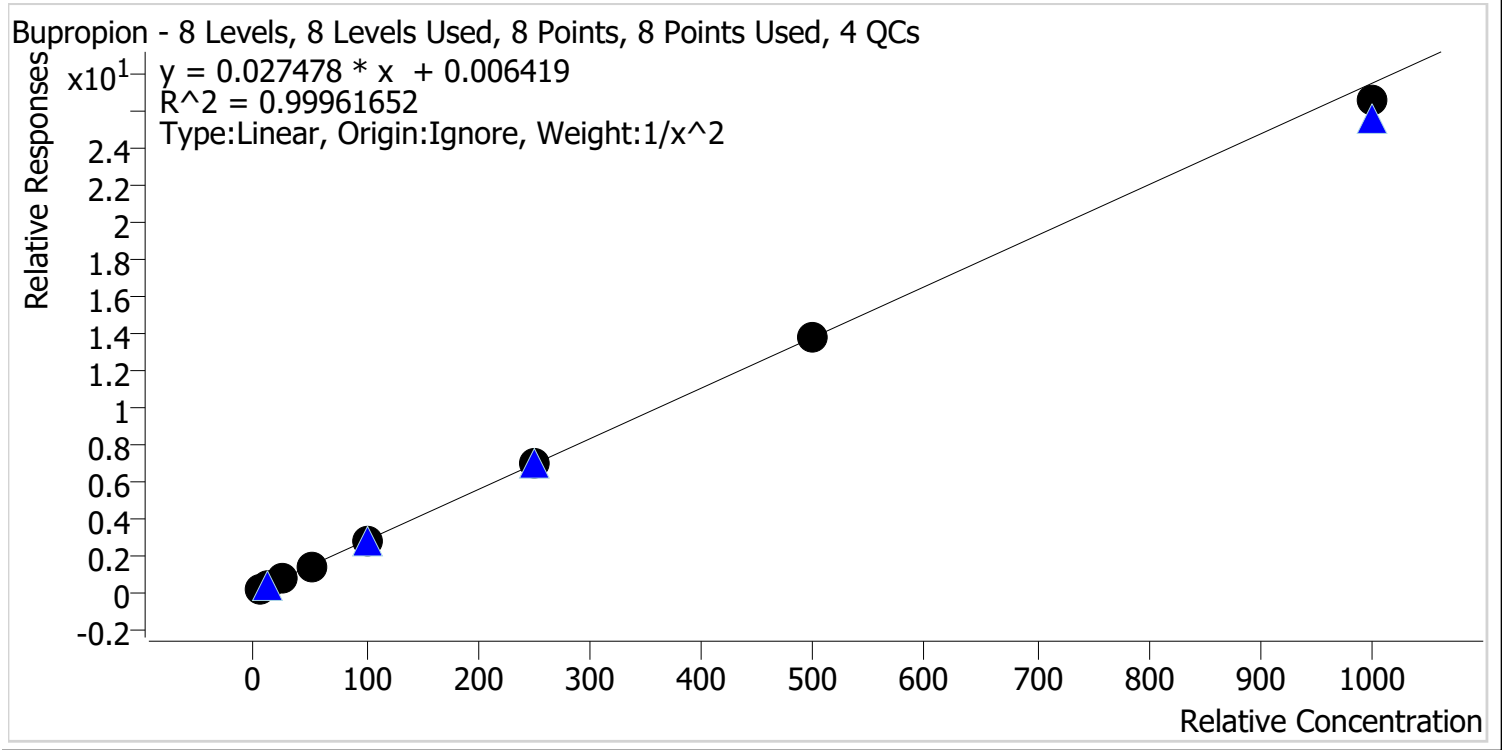
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.5
p1 Cal 2-10ng	2	✓	1.0	0.9	94.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	4.6	92.9
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.9	103.8
p1 Cal 7-500ng	7	✓	50.0	56.2	112.5
p1 Cal 8-1000ng	8	✗	100.0	126.1	126.1

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



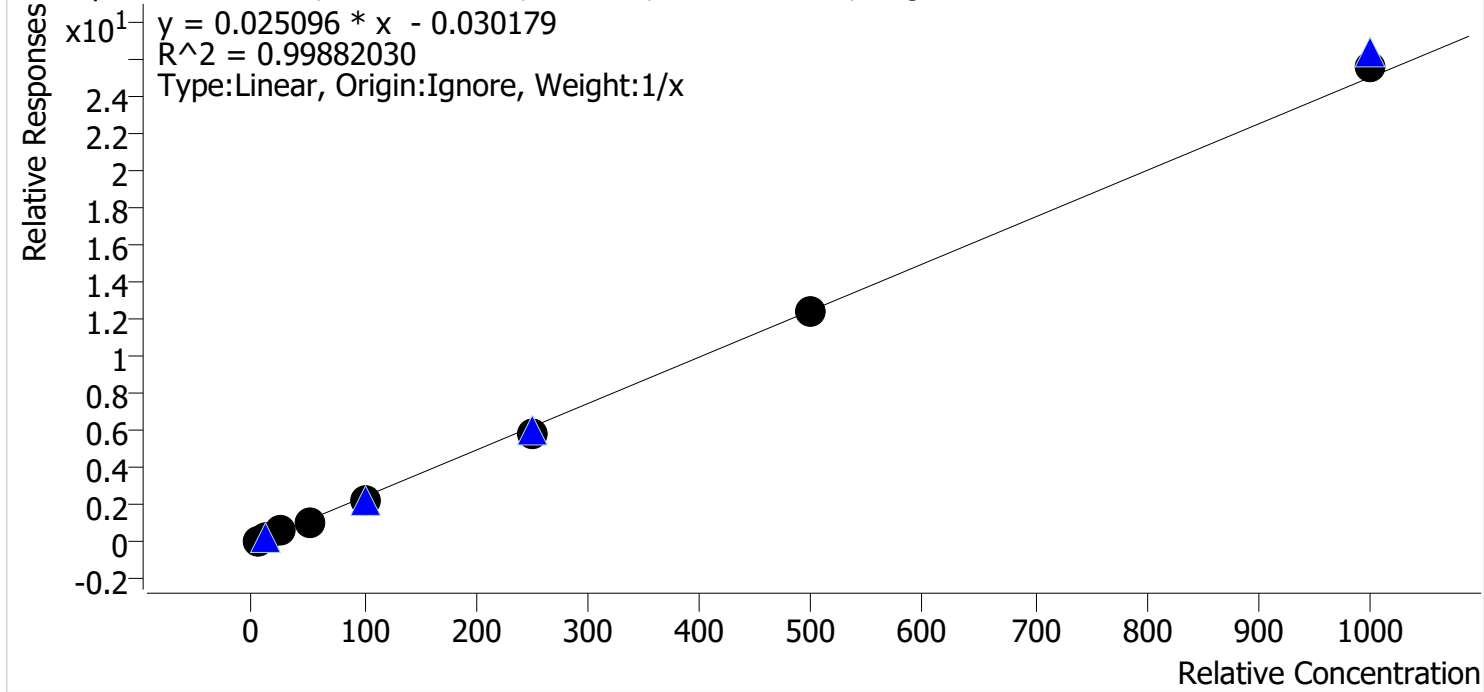
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	965.8	96.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



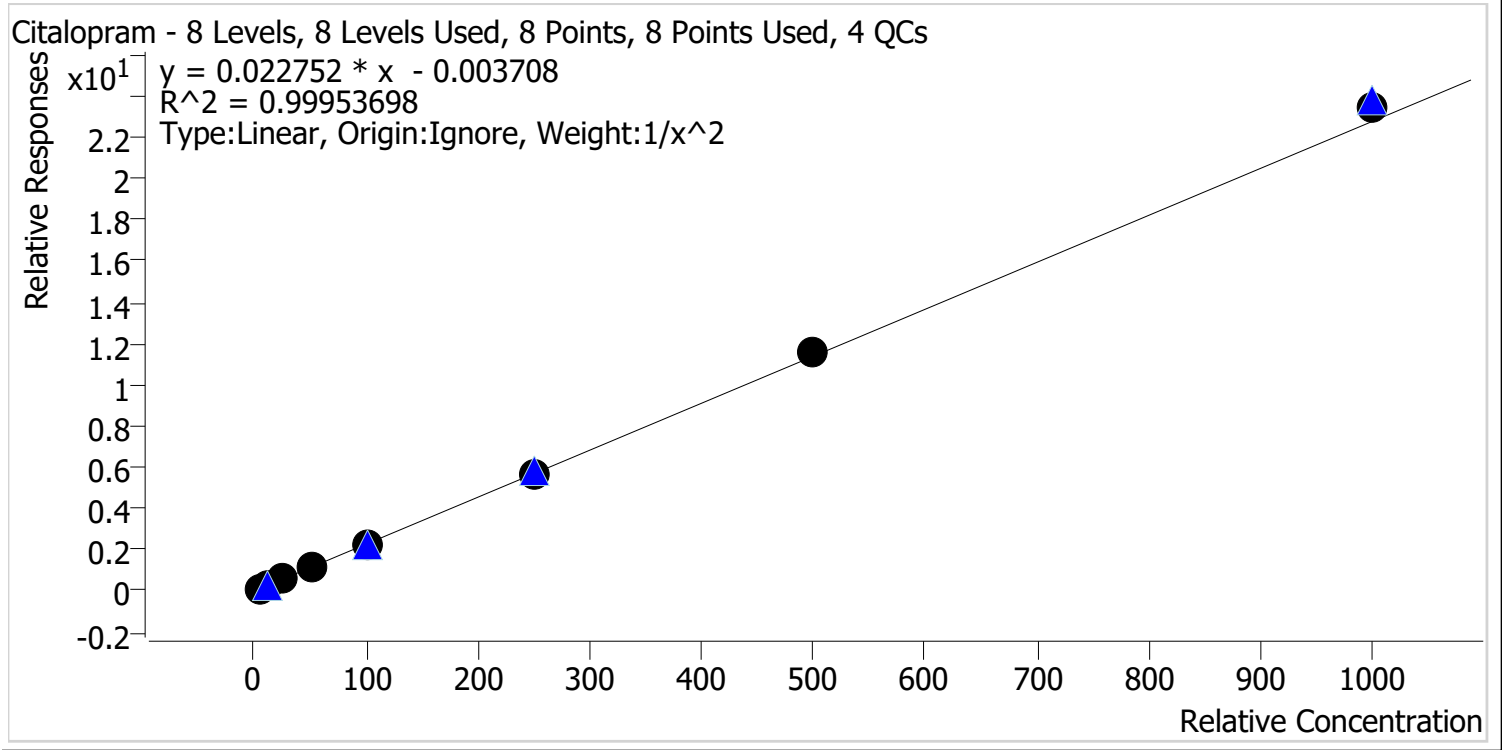
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.8	115.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	93.6	93.6
p1 Cal 6-250ng	6	✓	250.0	235.8	94.3
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1025.2	102.5





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

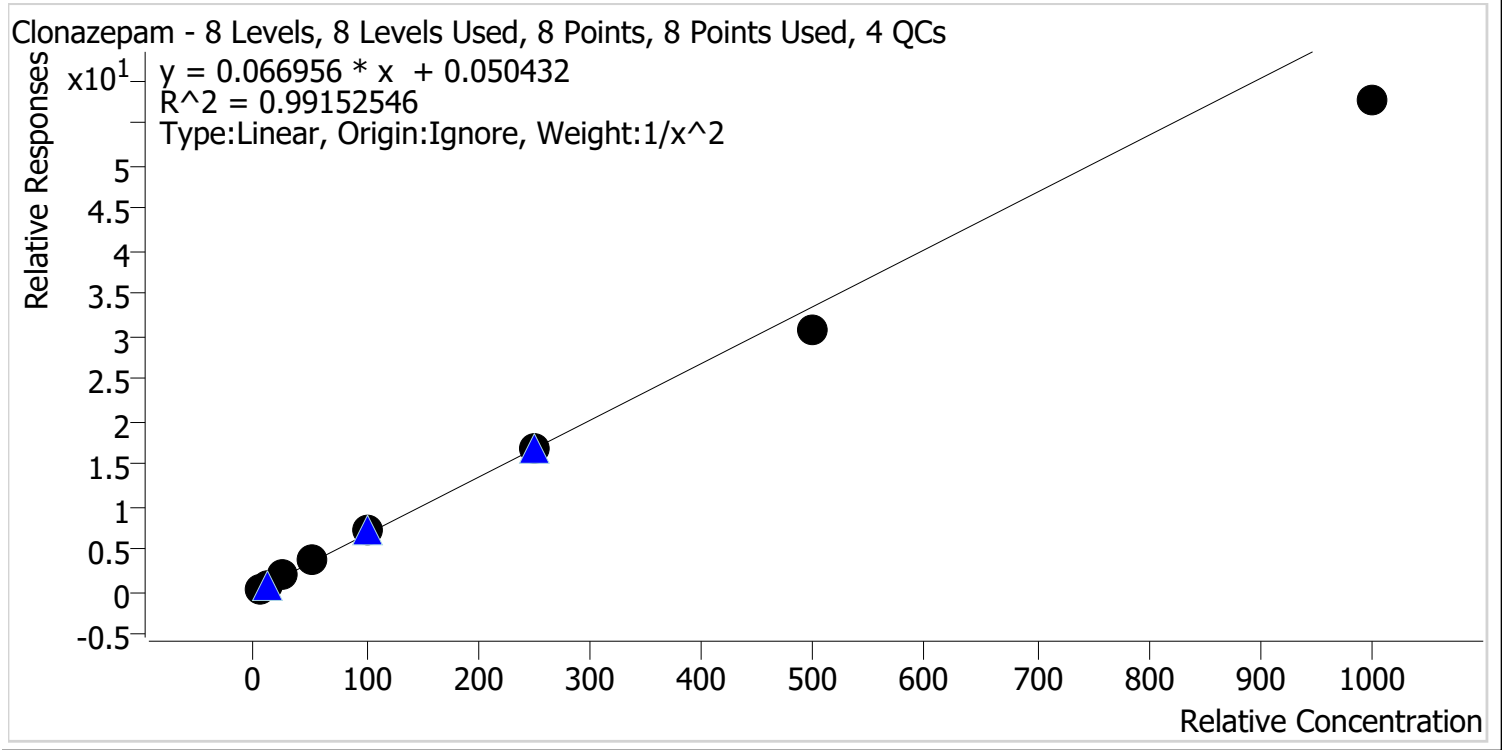


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1033.0	103.3



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

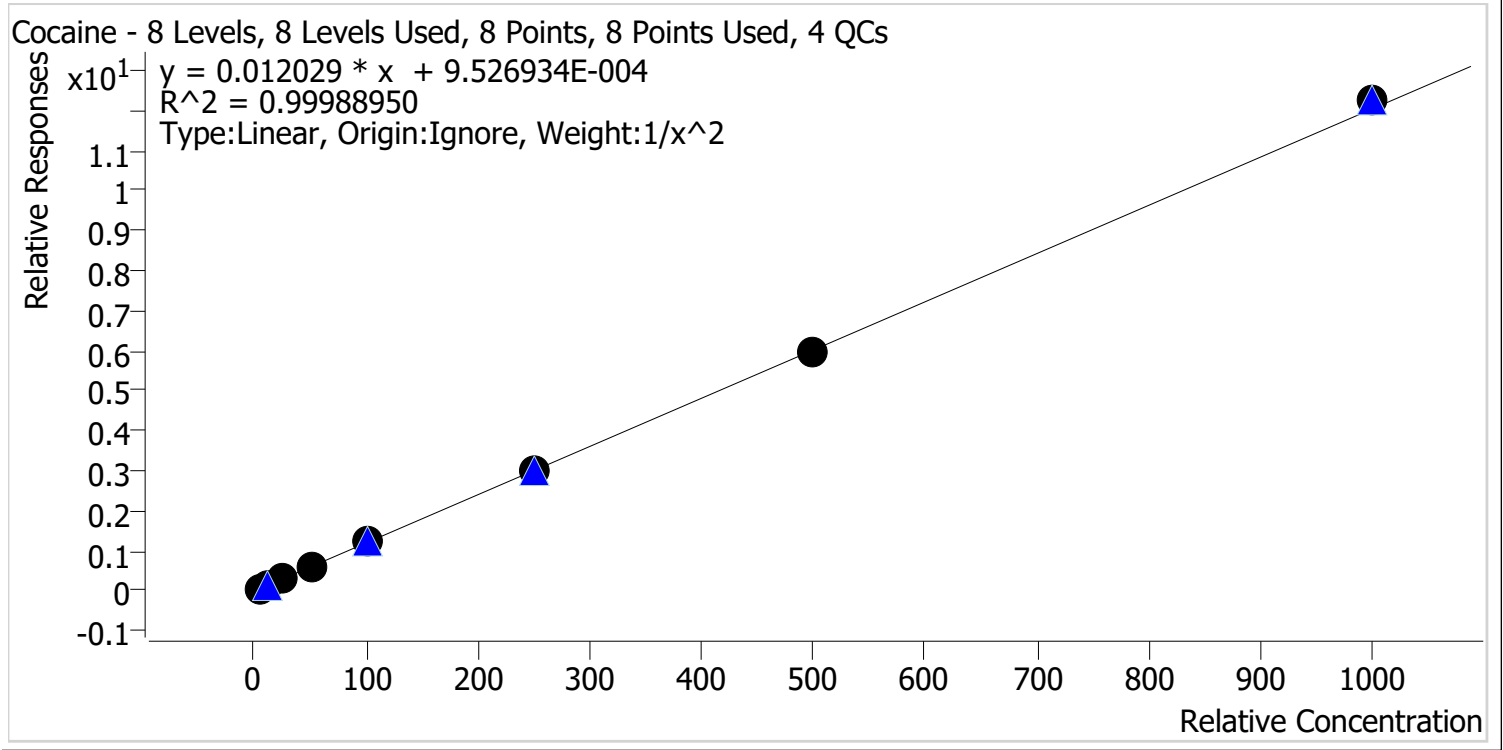


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	457.6	91.5
p1 Cal 8-1000ng	8	✓	1000.0	861.1	86.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

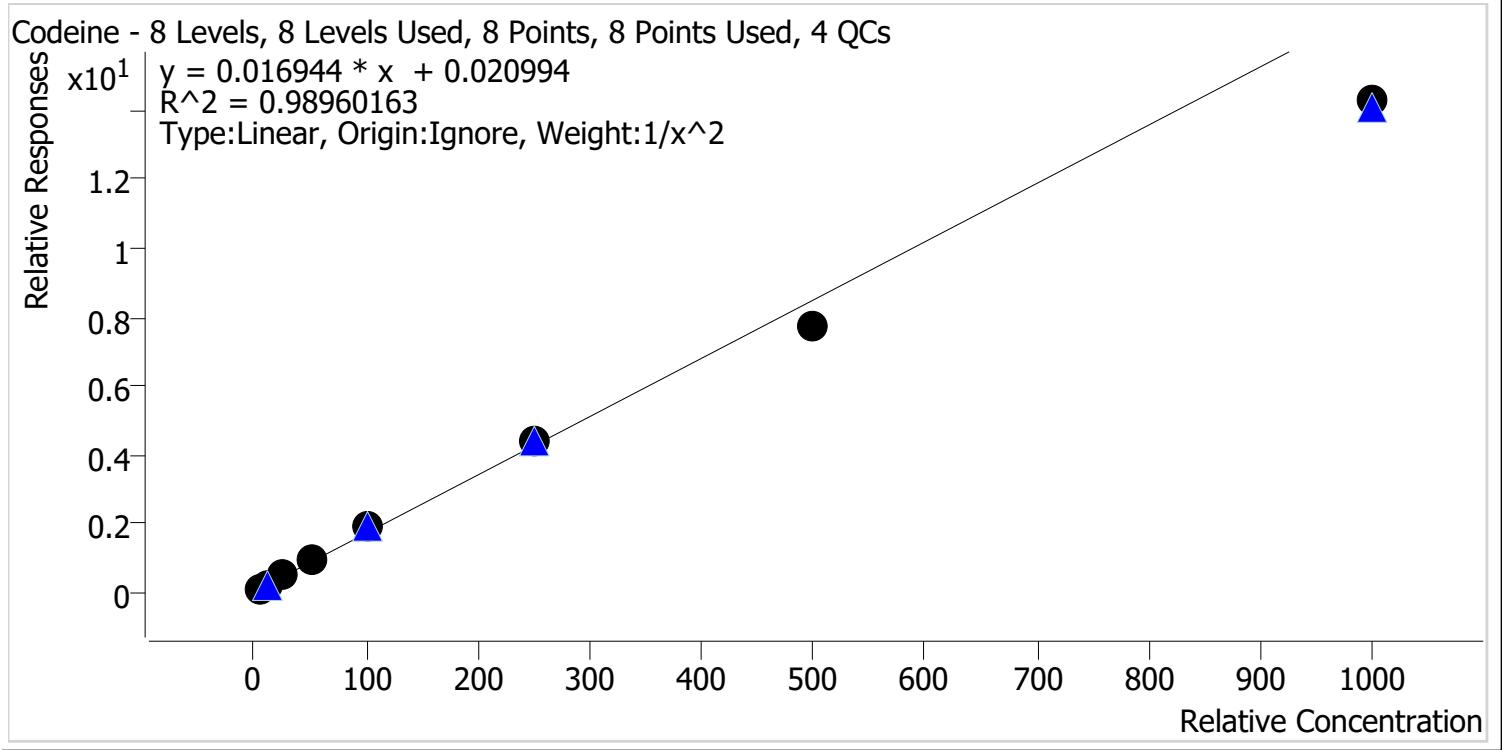


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.9	101.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



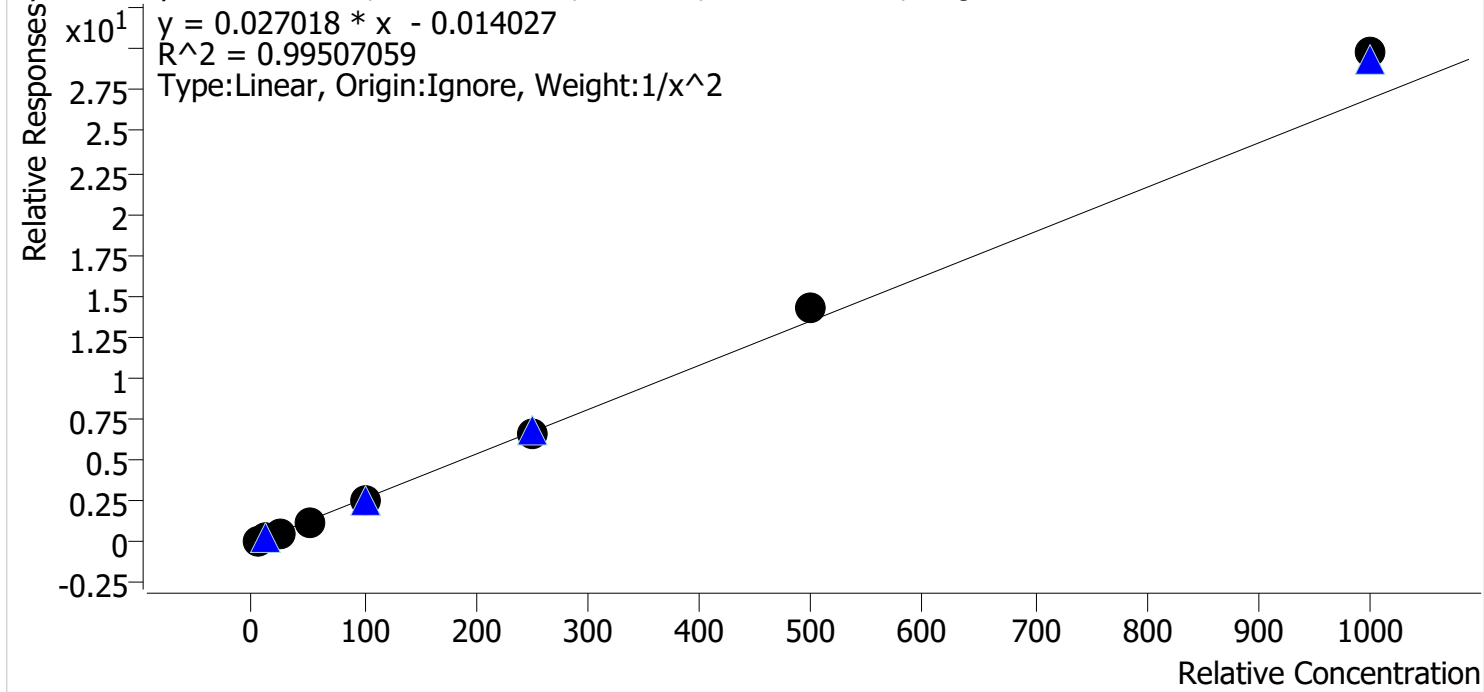
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	109.5	109.5
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	456.7	91.3
p1 Cal 8-1000ng	8	✓	1000.0	842.1	84.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

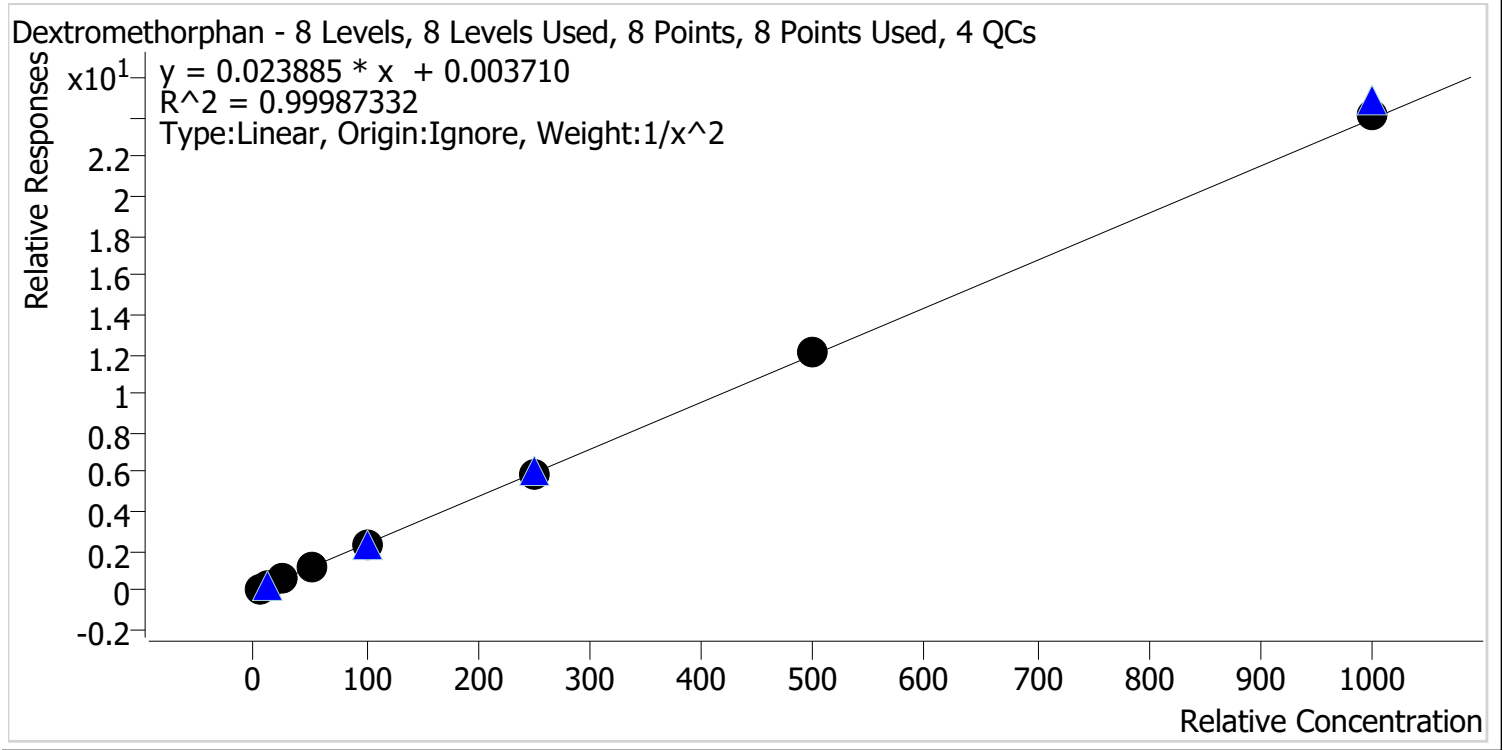


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	531.8	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1103.4	110.3



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

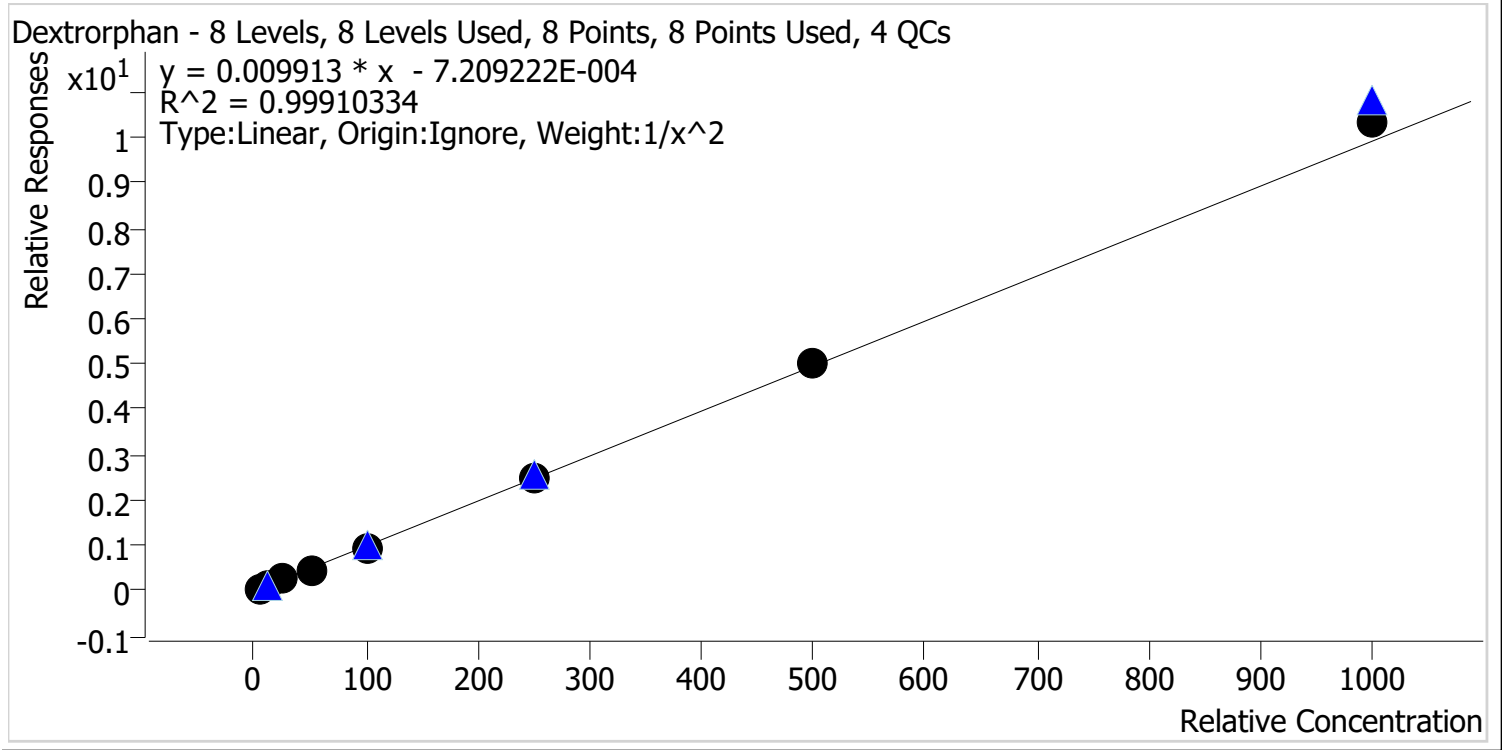


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.5	101.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

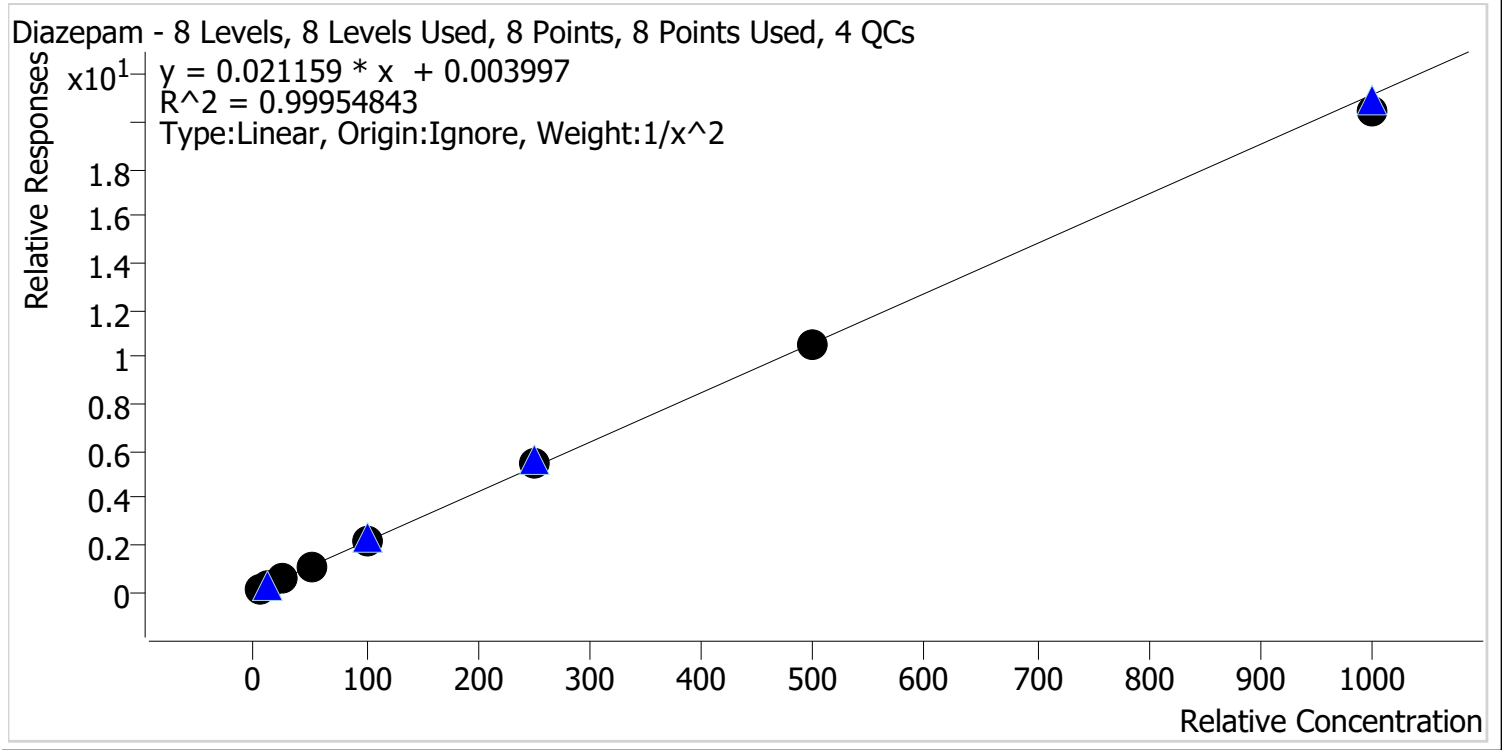


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1044.6	104.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



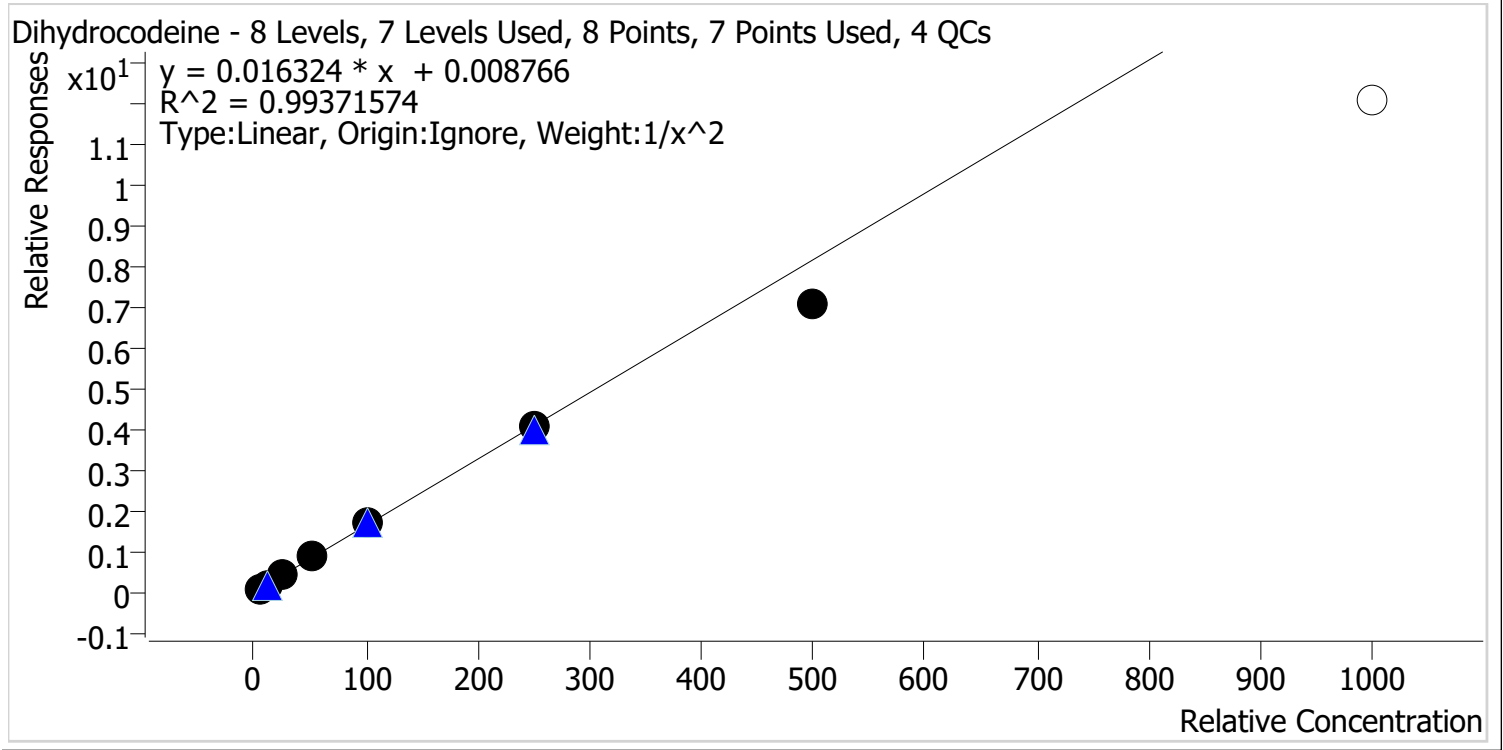
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	496.9	99.4
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.6





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



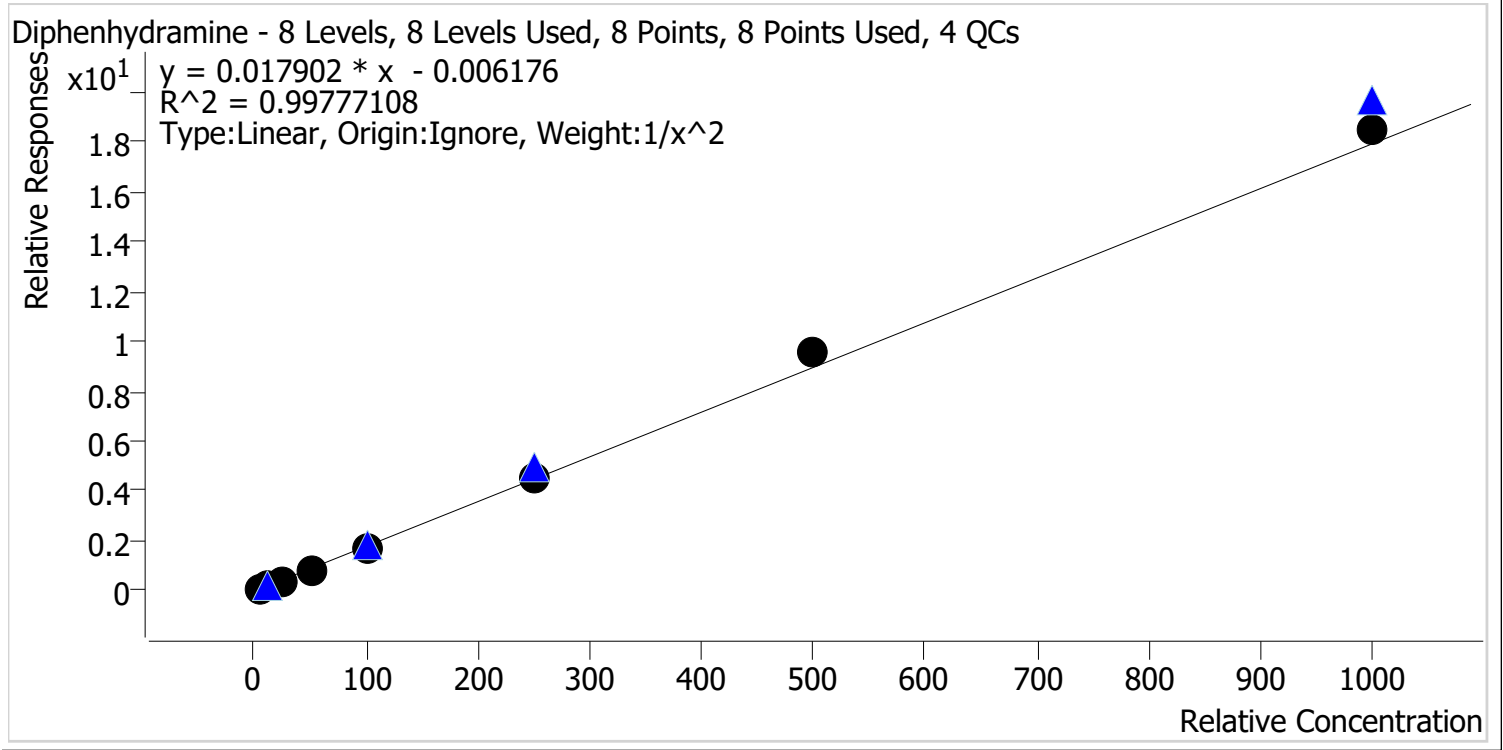
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	433.9	86.8
p1 Cal 8-1000ng	8	✗	1000.0	739.3	73.9

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

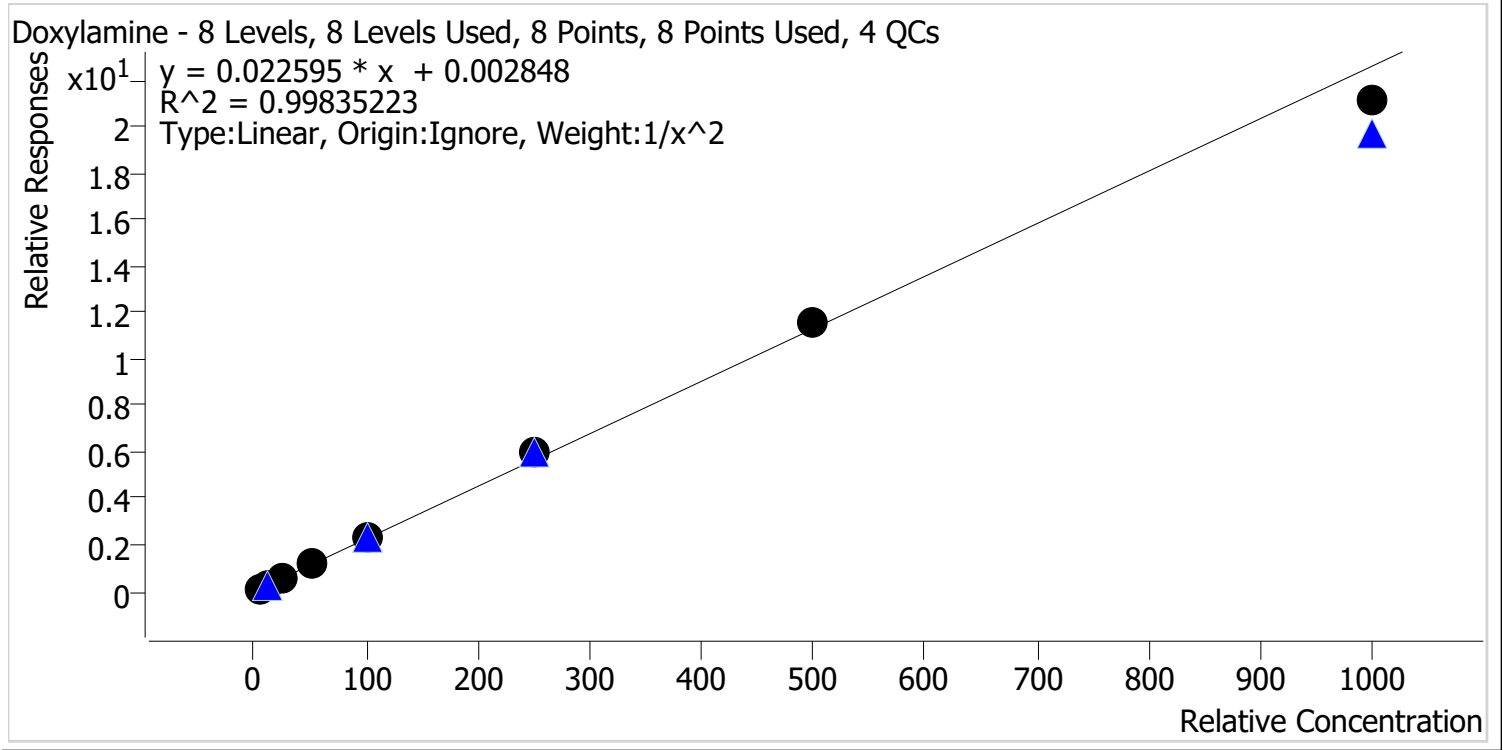


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	532.5	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1028.0	102.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

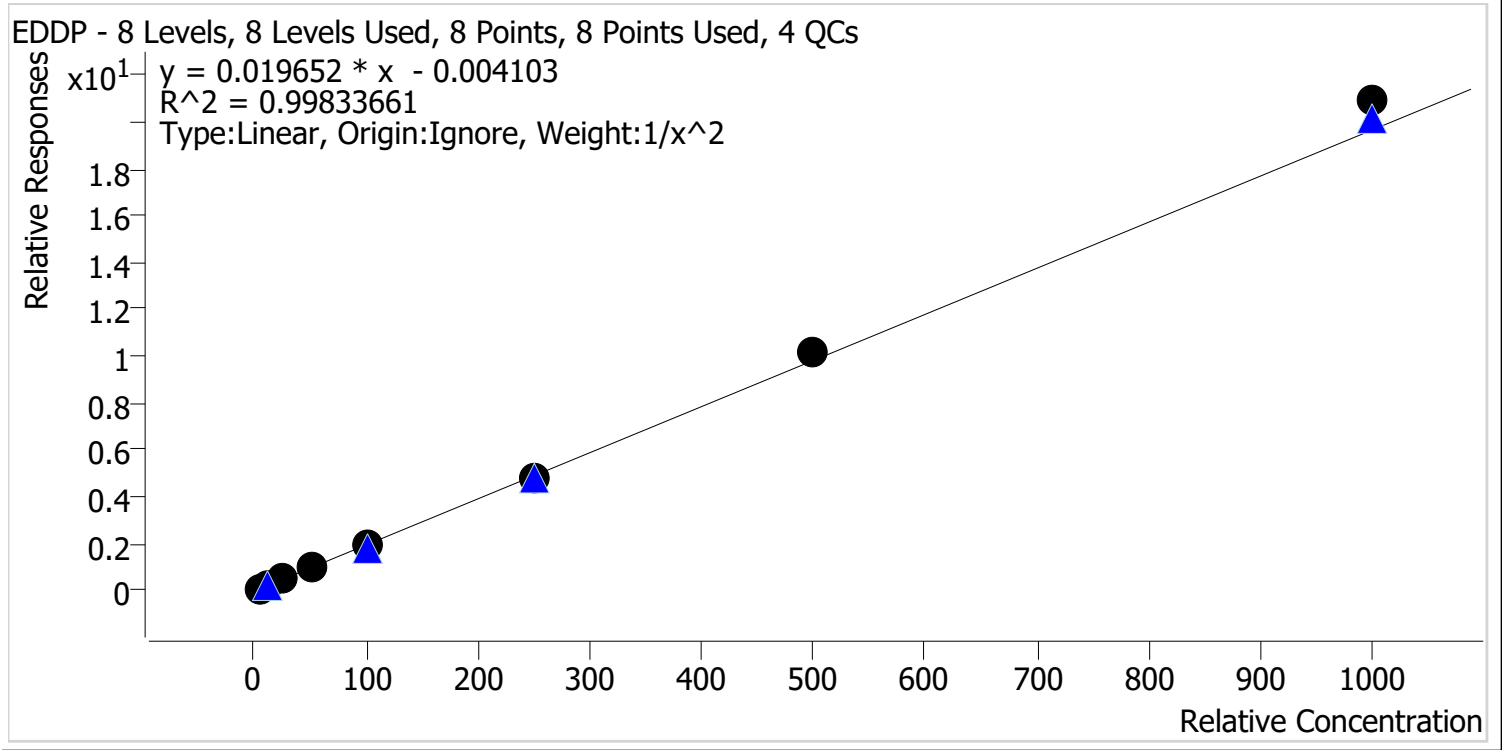


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	265.0	106.0
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	934.3	93.4



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

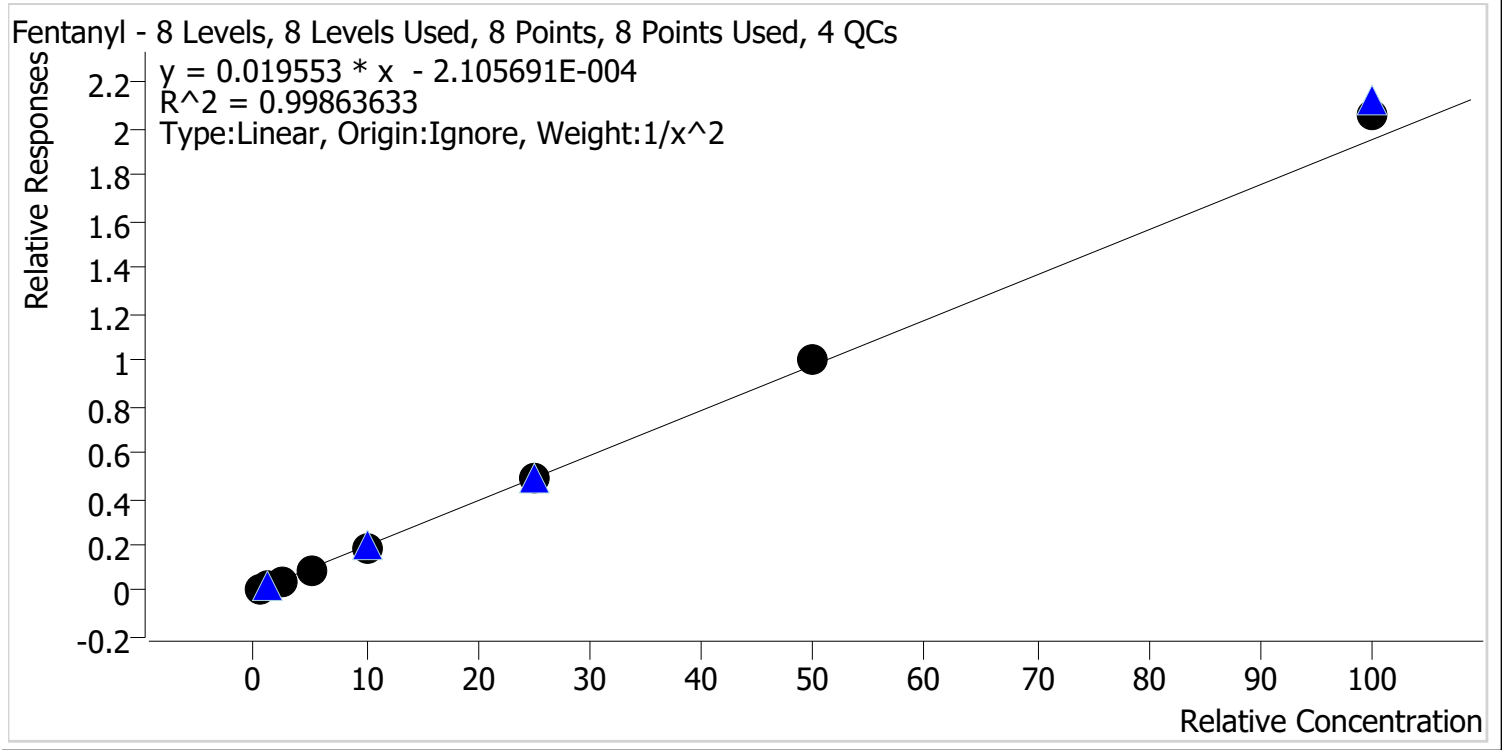


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	519.1	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1063.7	106.4



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

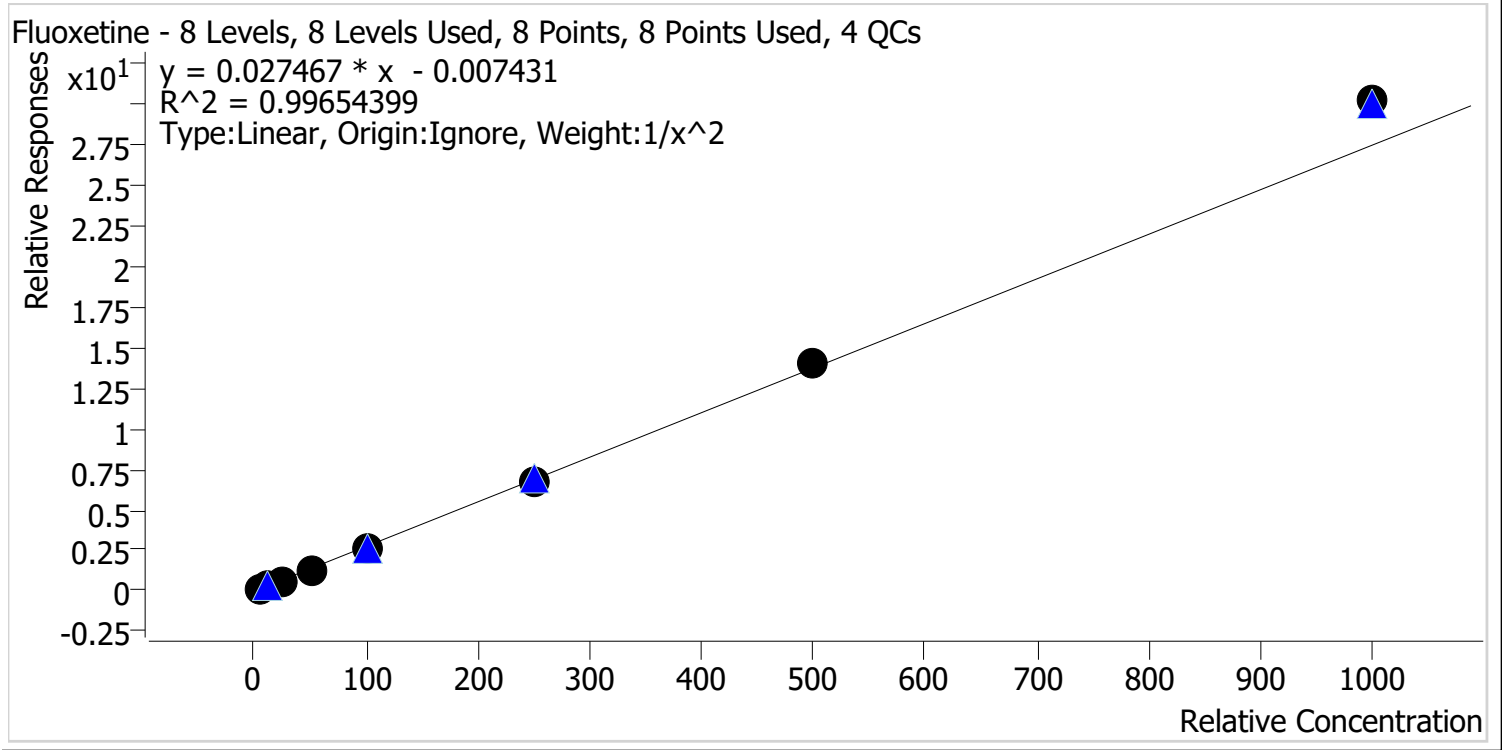


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.3
p1 Cal 2-10ng	2	✓	1.0	1.0	101.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	4.9	97.1
p1 Cal 5-100ng	5	✓	10.0	9.7	96.9
p1 Cal 6-250ng	6	✓	25.0	25.1	100.2
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	105.2	105.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

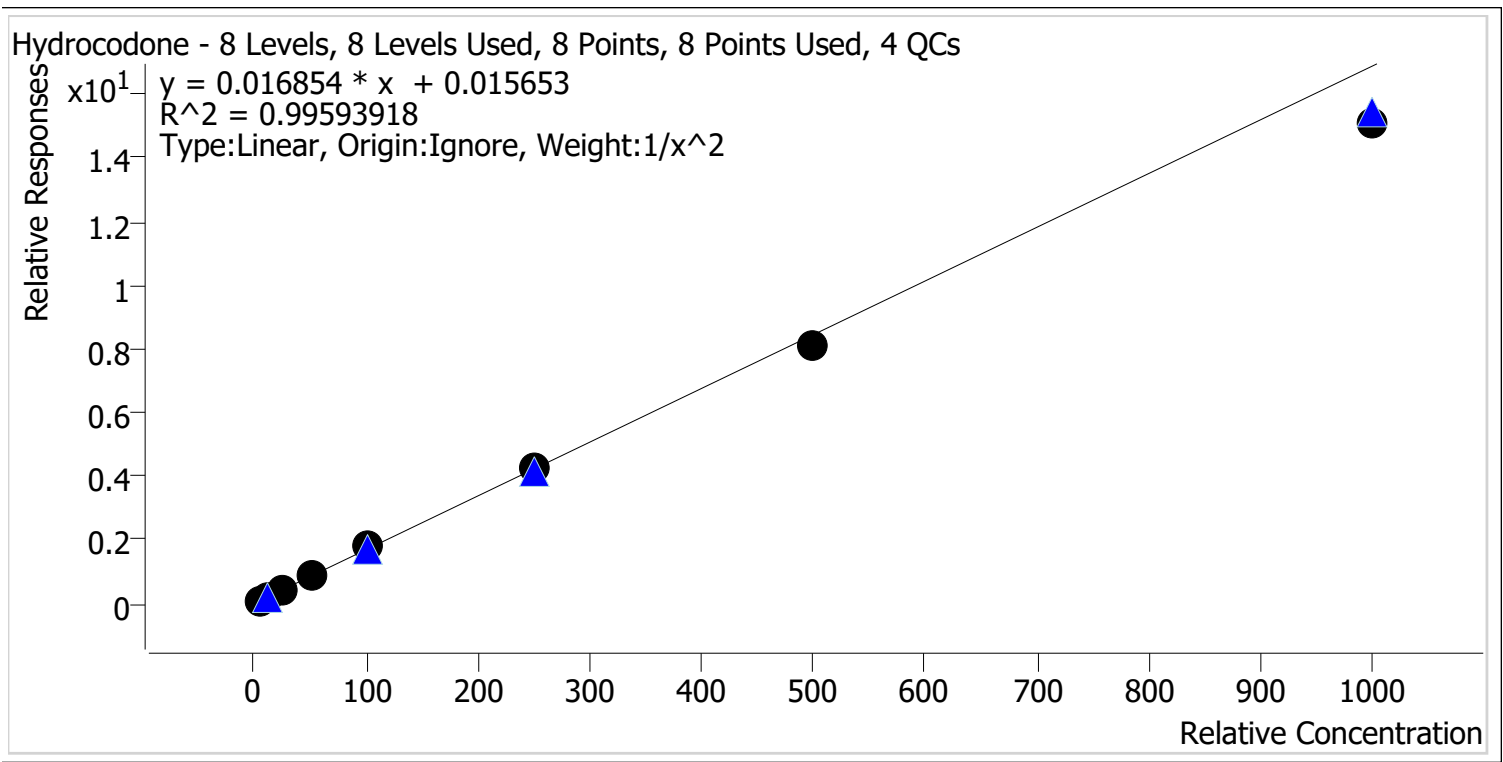


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.6
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1100.0	110.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

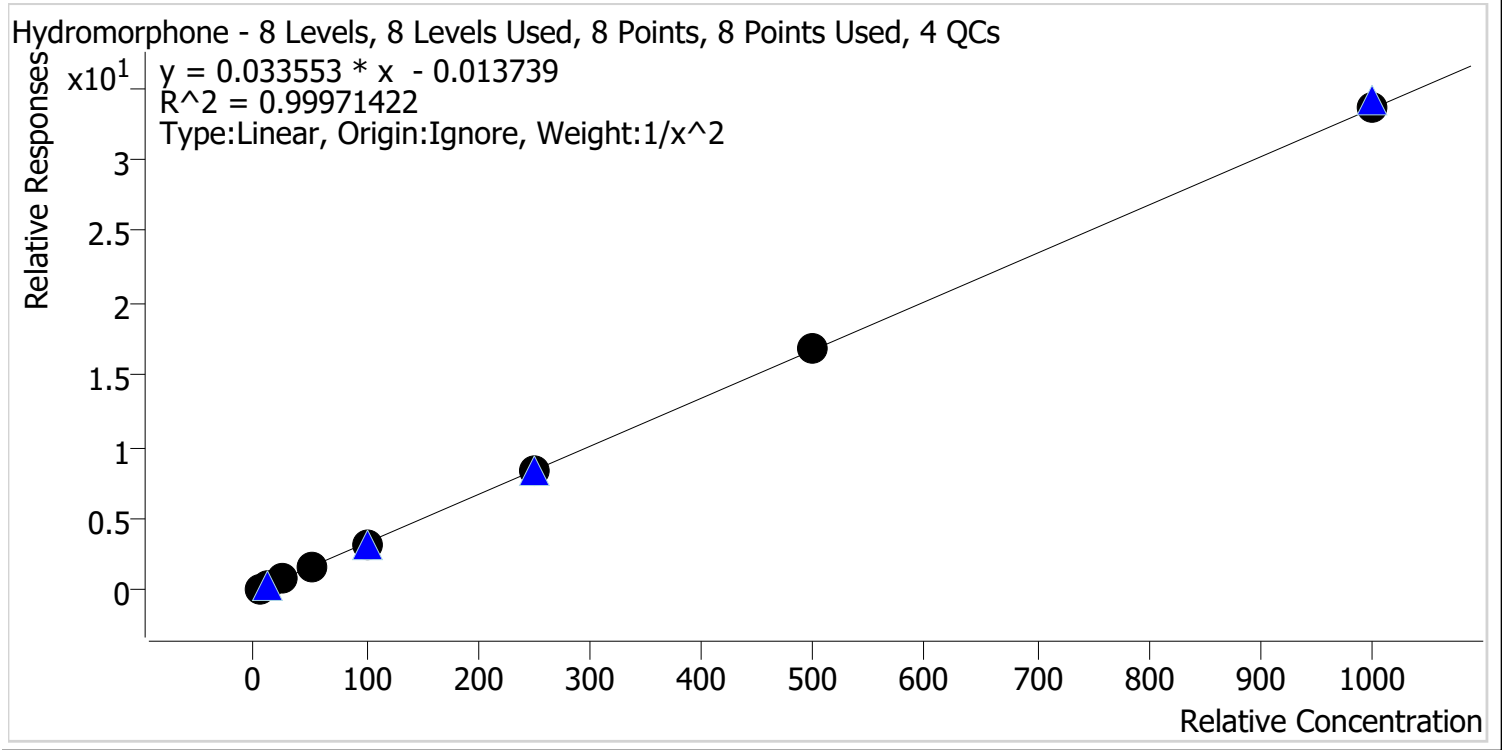


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	478.5	95.7
p1 Cal 8-1000ng	8	✓	1000.0	896.5	89.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



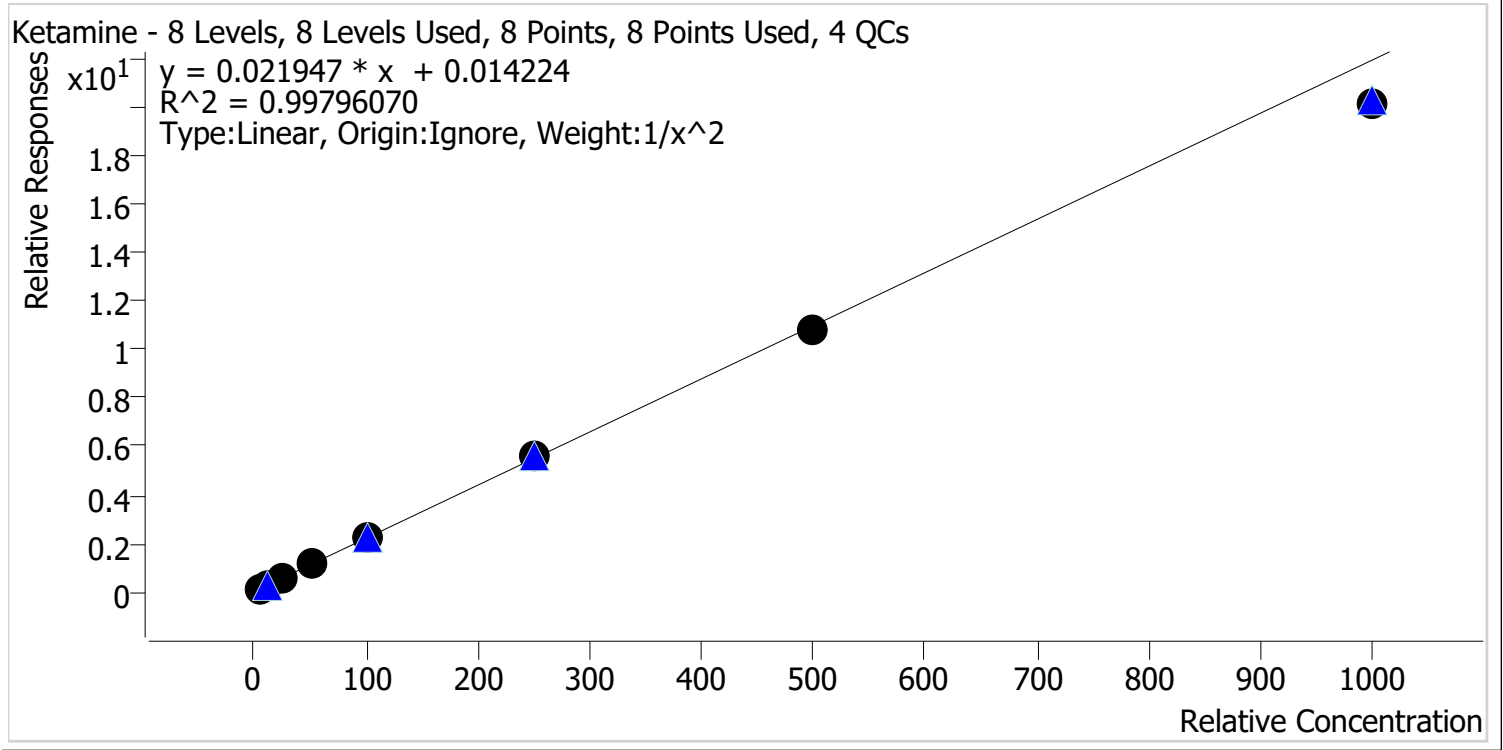
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.4	100.6





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

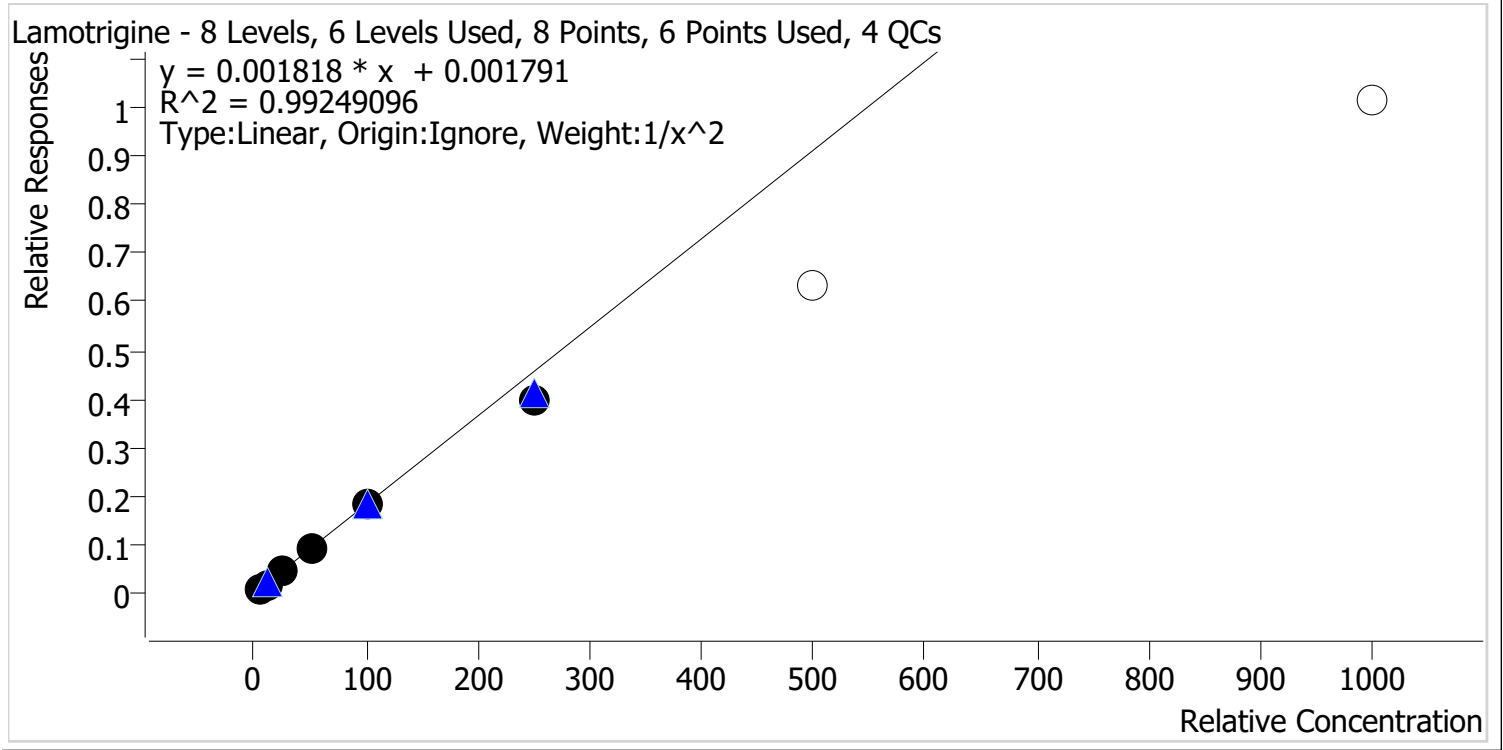


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	918.1	91.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



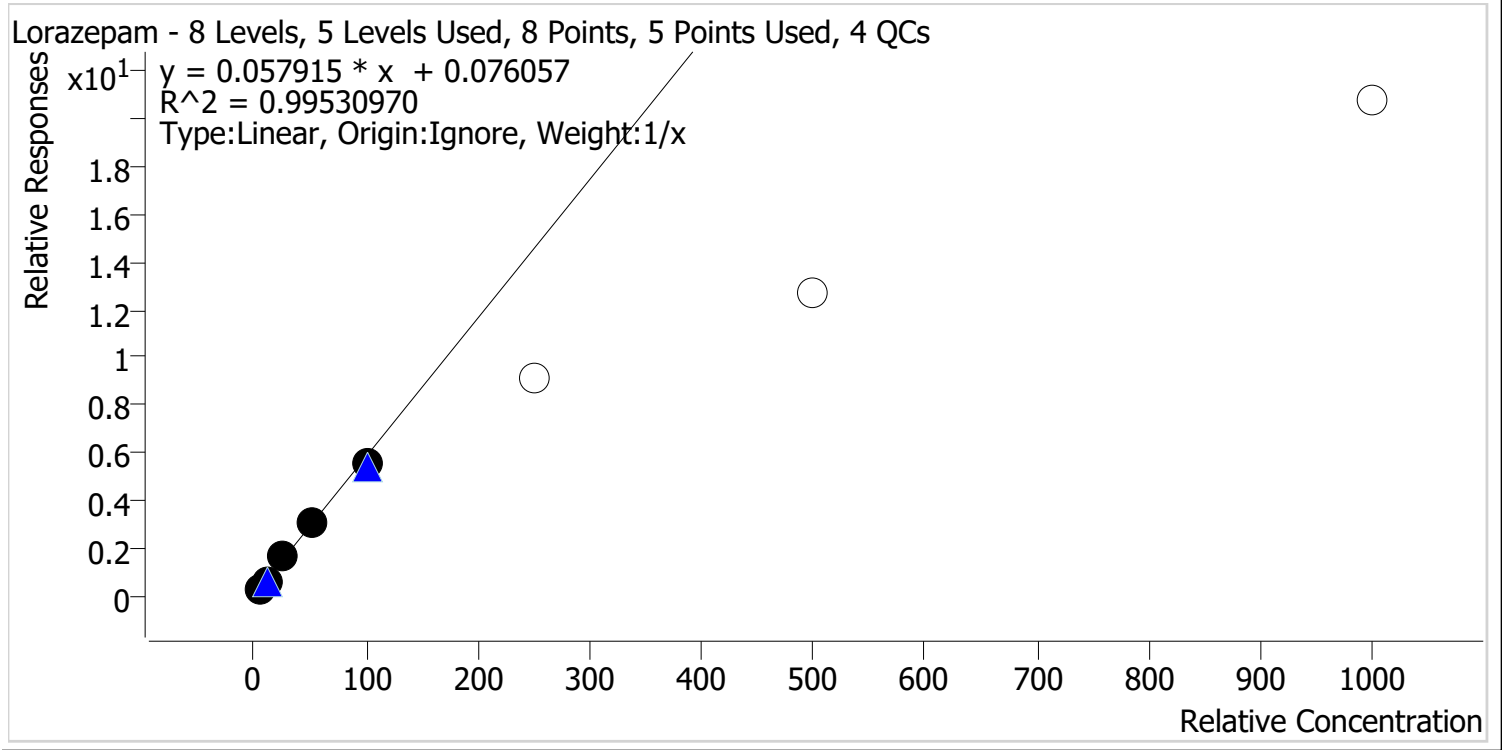
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	219.2	87.7
p1 Cal 7-500ng	7	x	500.0	346.7	69.3
p1 Cal 8-1000ng	8	x	1000.0	556.0	55.6

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



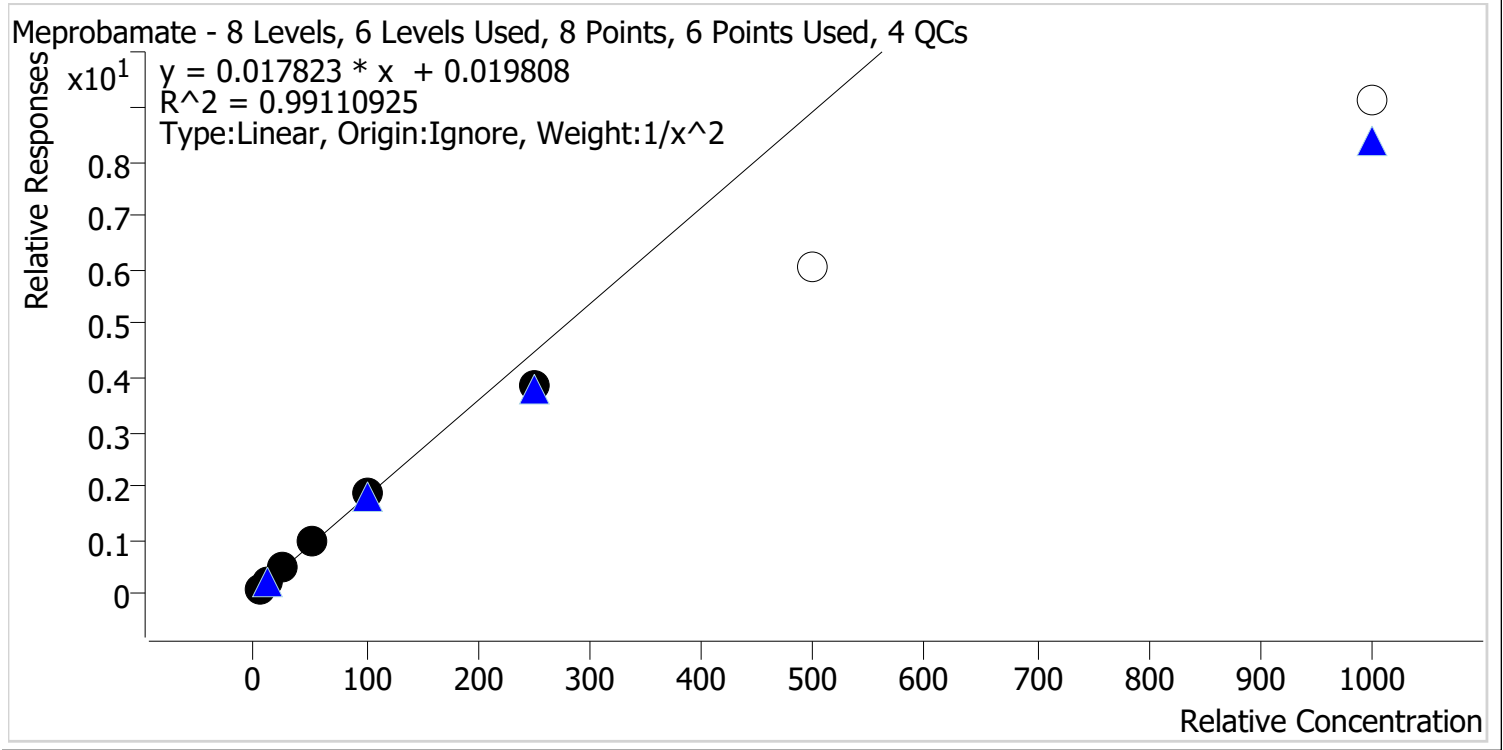
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	89.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✗	250.0	157.9	63.2
p1 Cal 7-500ng	7	✗	500.0	218.6	43.7
p1 Cal 8-1000ng	8	✗	1000.0	357.0	35.7

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datator  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



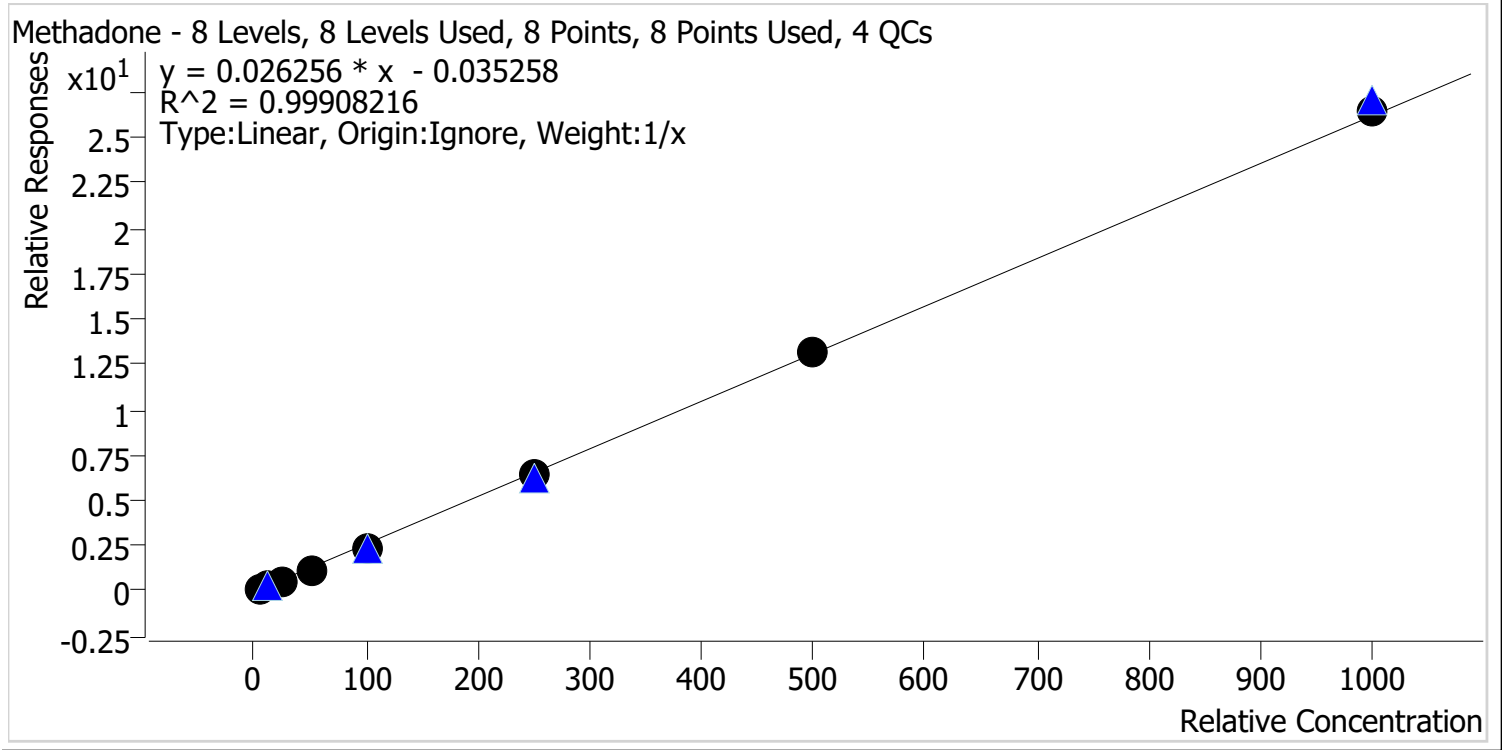
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	214.5	85.8
p1 Cal 7-500ng	7	x	500.0	338.4	67.7
p1 Cal 8-1000ng	8	x	1000.0	510.9	51.1

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

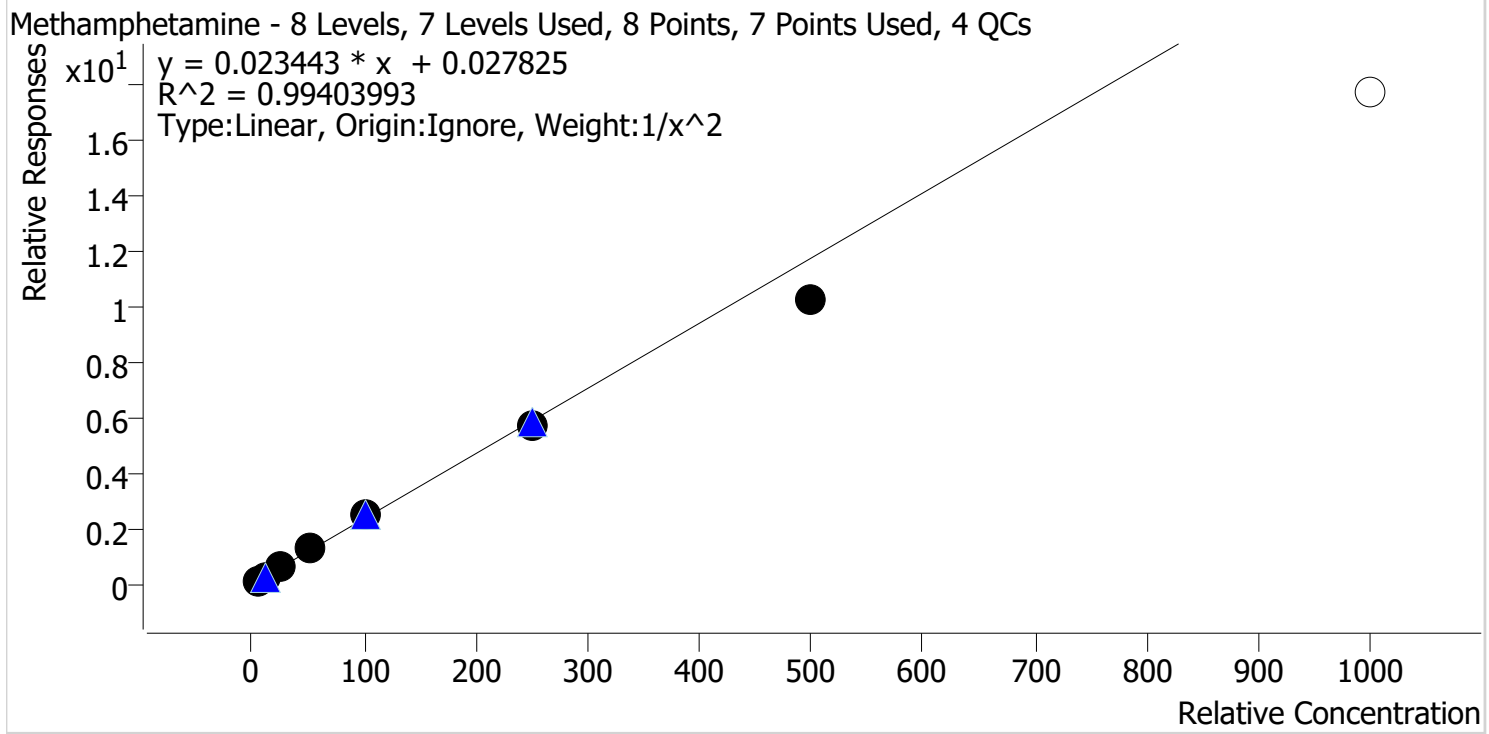


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	118.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	91.4	91.4
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	506.8	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1012.3	101.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



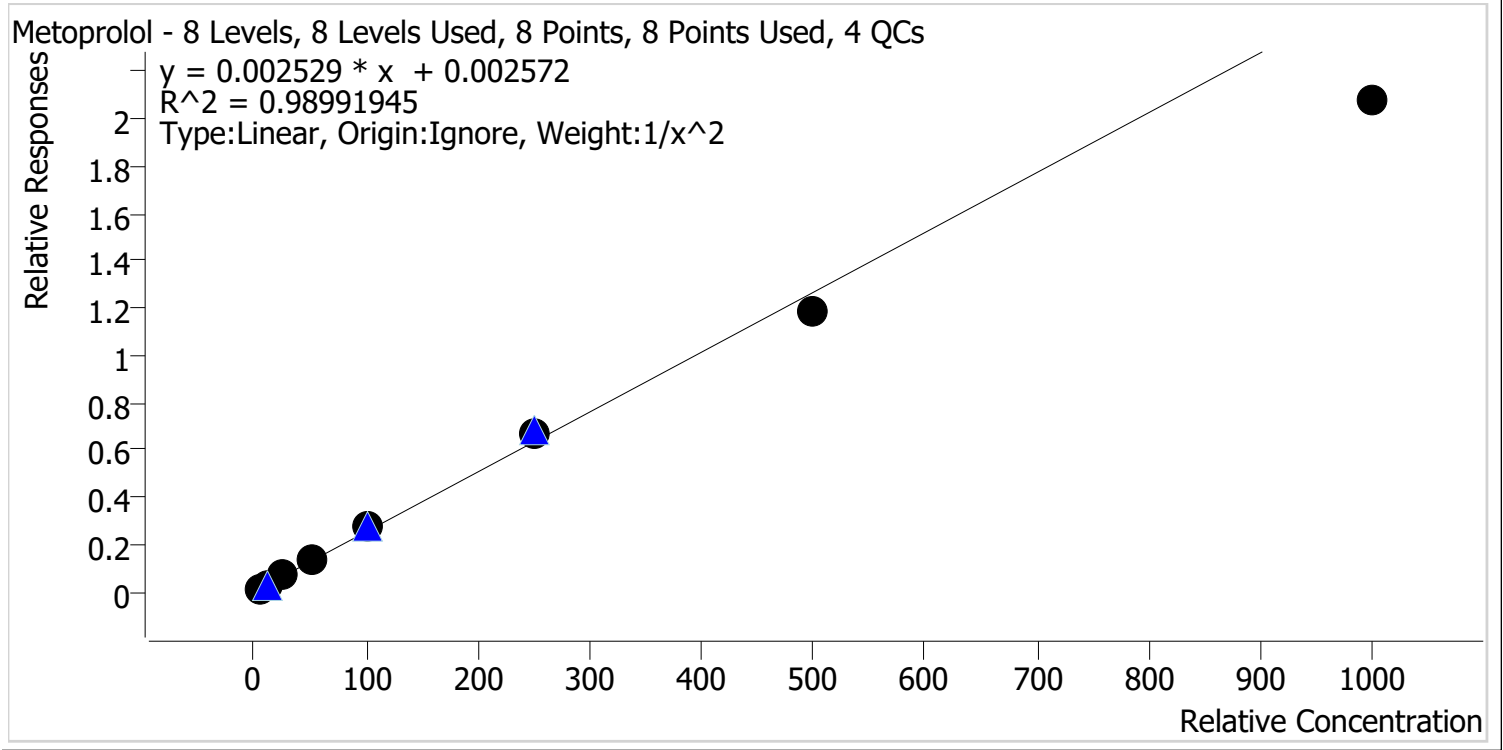
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	437.1	87.4
p1 Cal 8-1000ng	8	✗	1000.0	753.8	75.4

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

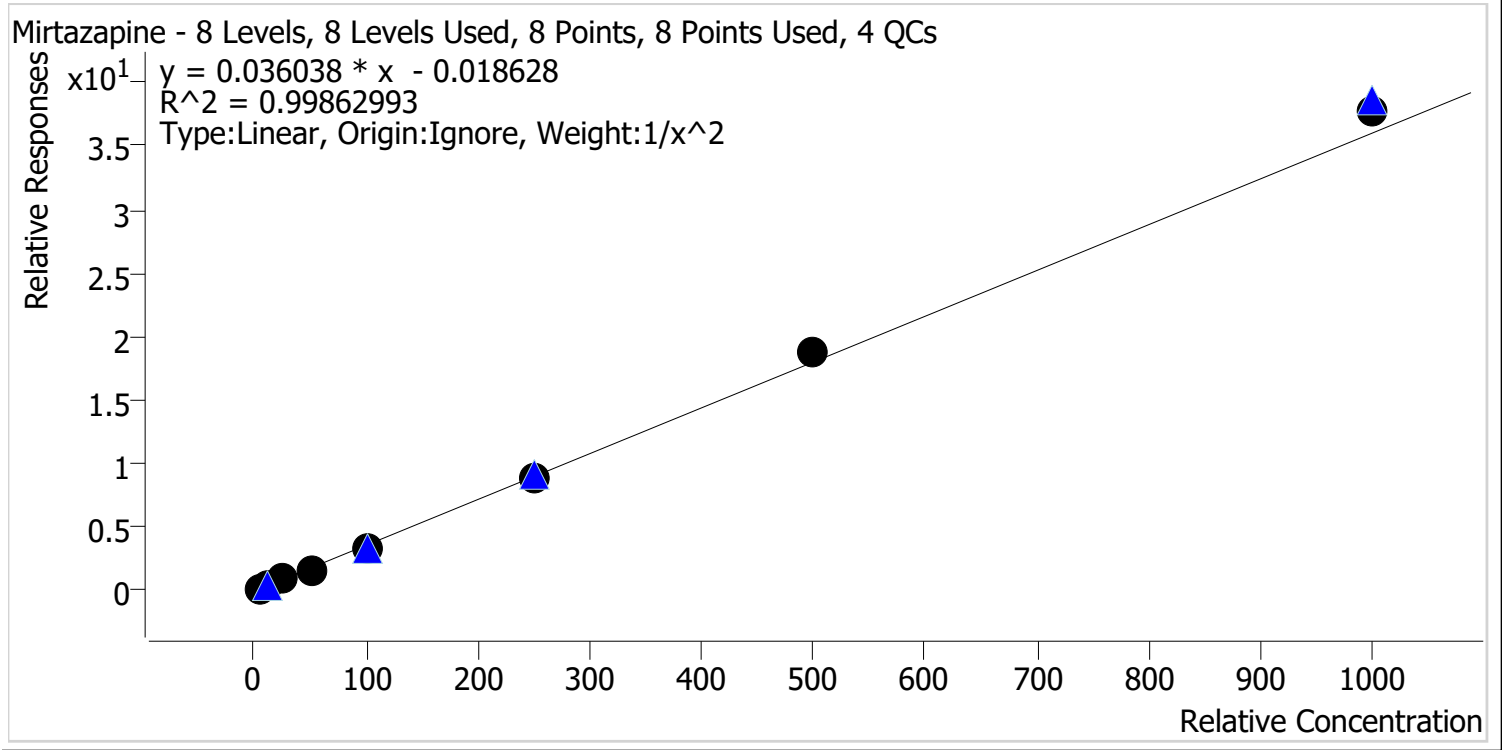


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✓	500.0	469.8	94.0
p1 Cal 8-1000ng	8	✓	1000.0	820.3	82.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



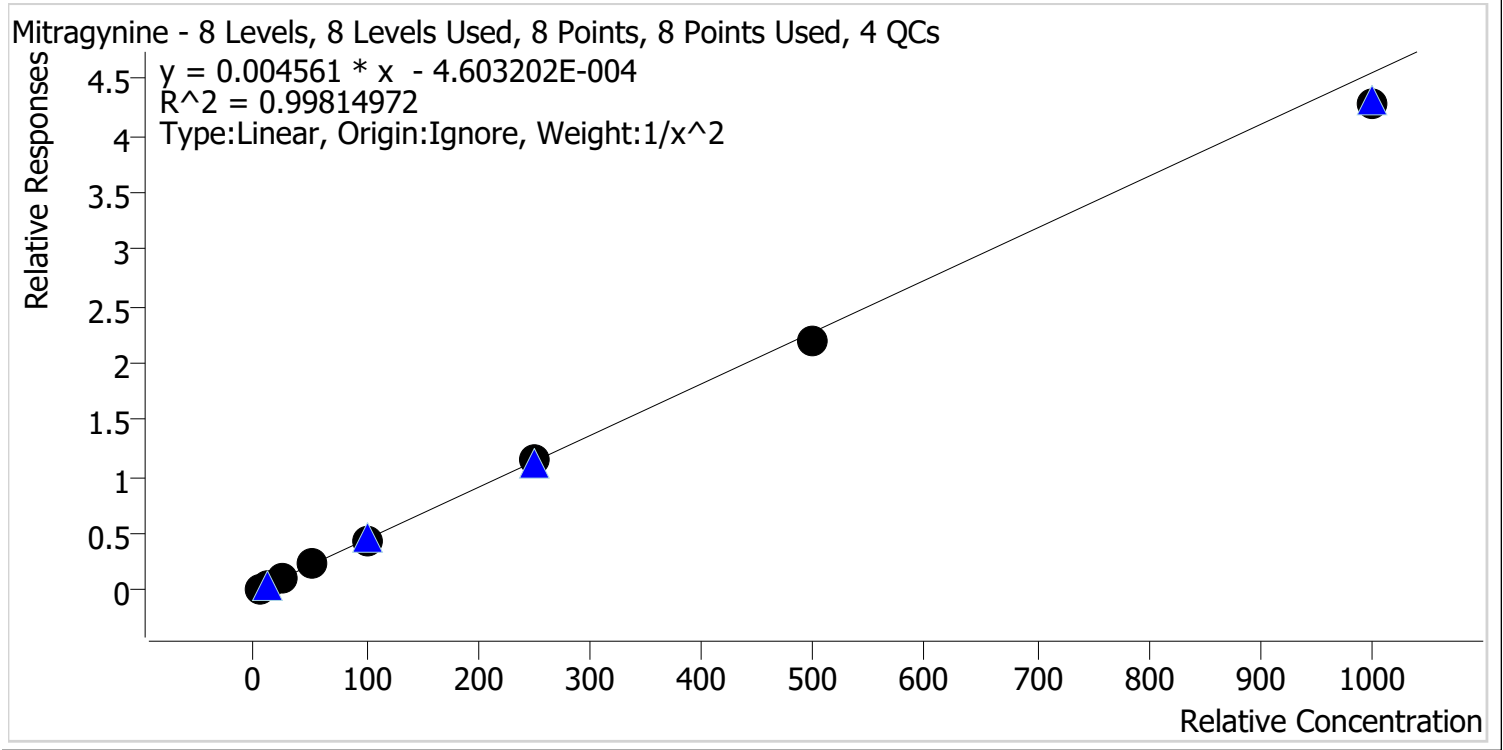
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	519.1	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1049.6	105.0





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



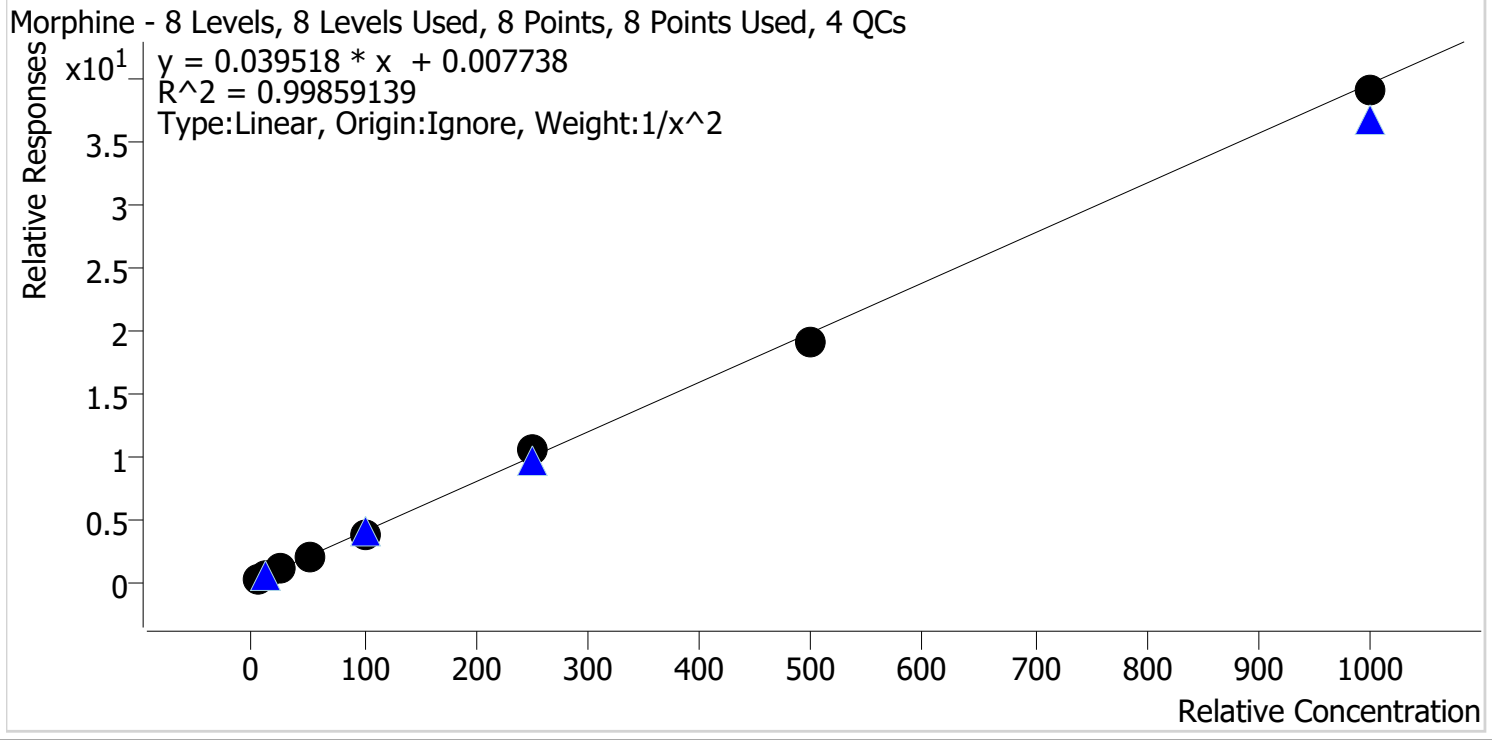
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	484.8	97.0
p1 Cal 8-1000ng	8	✓	1000.0	941.3	94.1

2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

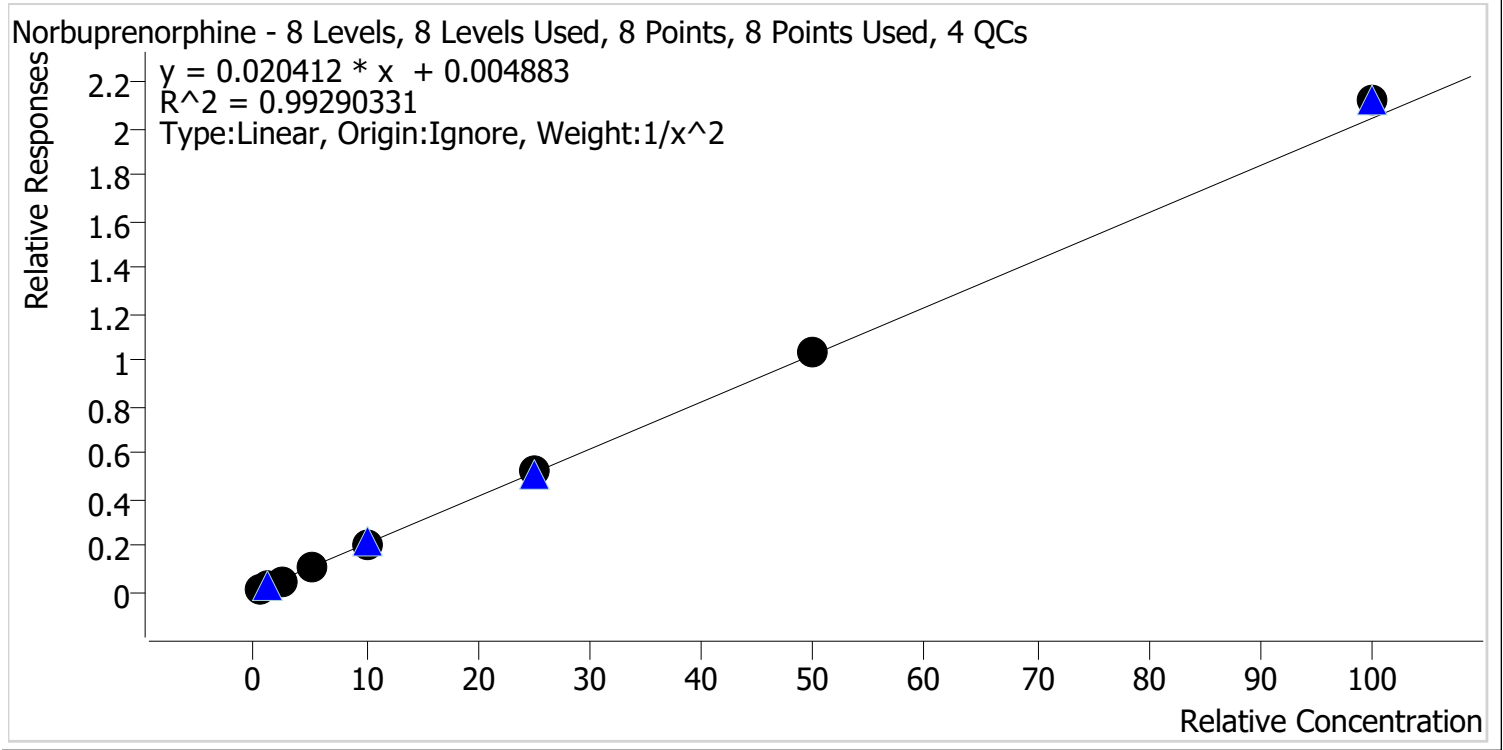


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	263.5	105.4
p1 Cal 7-500ng	7	✓	500.0	483.6	96.7
p1 Cal 8-1000ng	8	✓	1000.0	986.1	98.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

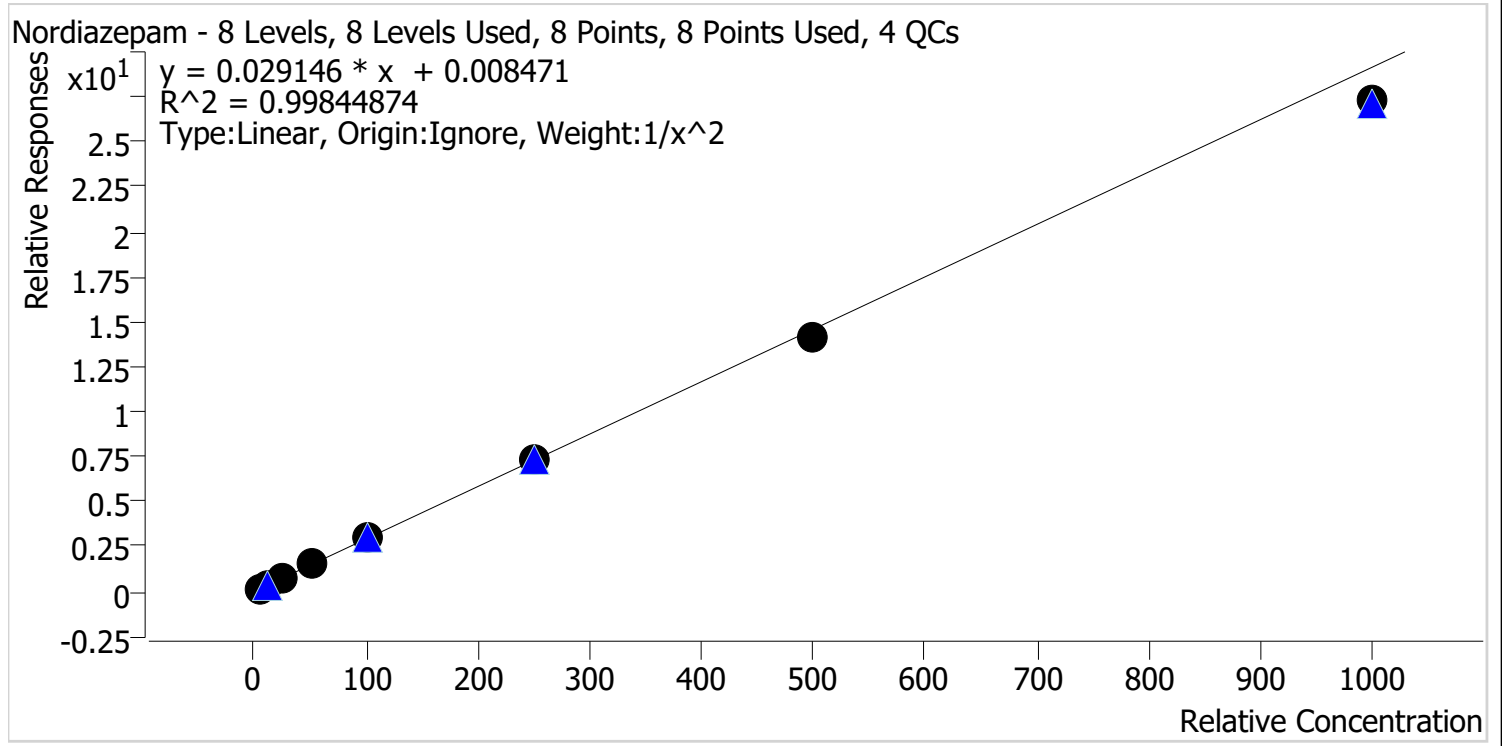


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.7
p1 Cal 2-10ng	2	✓	1.0	1.1	113.7
p1 Cal 3 -25ng	3	✓	2.5	2.2	88.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	9.6	96.4
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	50.4	100.9
p1 Cal 8-1000ng	8	✓	100.0	103.7	103.7



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

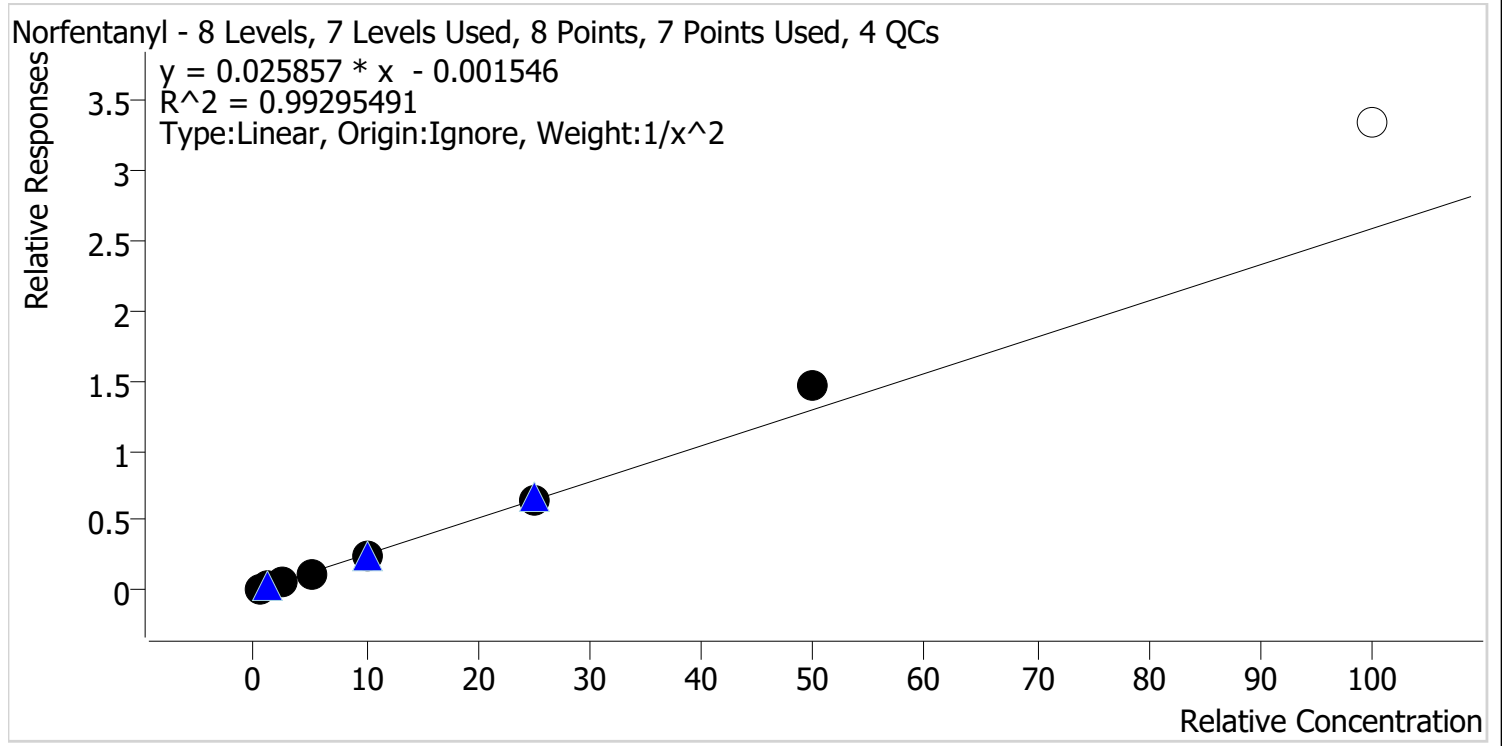


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	485.6	97.1
p1 Cal 8-1000ng	8	✓	1000.0	936.3	93.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**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	103.6
p1 Cal 2-10ng	2	✓	1.0	1.0	95.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.2
p1 Cal 4-50ng	4	✓	5.0	4.7	95.0
p1 Cal 5-100ng	5	✓	10.0	9.5	95.4
p1 Cal 6-250ng	6	✓	25.0	25.2	100.6
p1 Cal 7-500ng	7	✓	50.0	57.2	114.3
p1 Cal 8-1000ng	8	✗	100.0	129.8	129.8

Calibrator 8 dropped due to not meeting accuracy requirement.

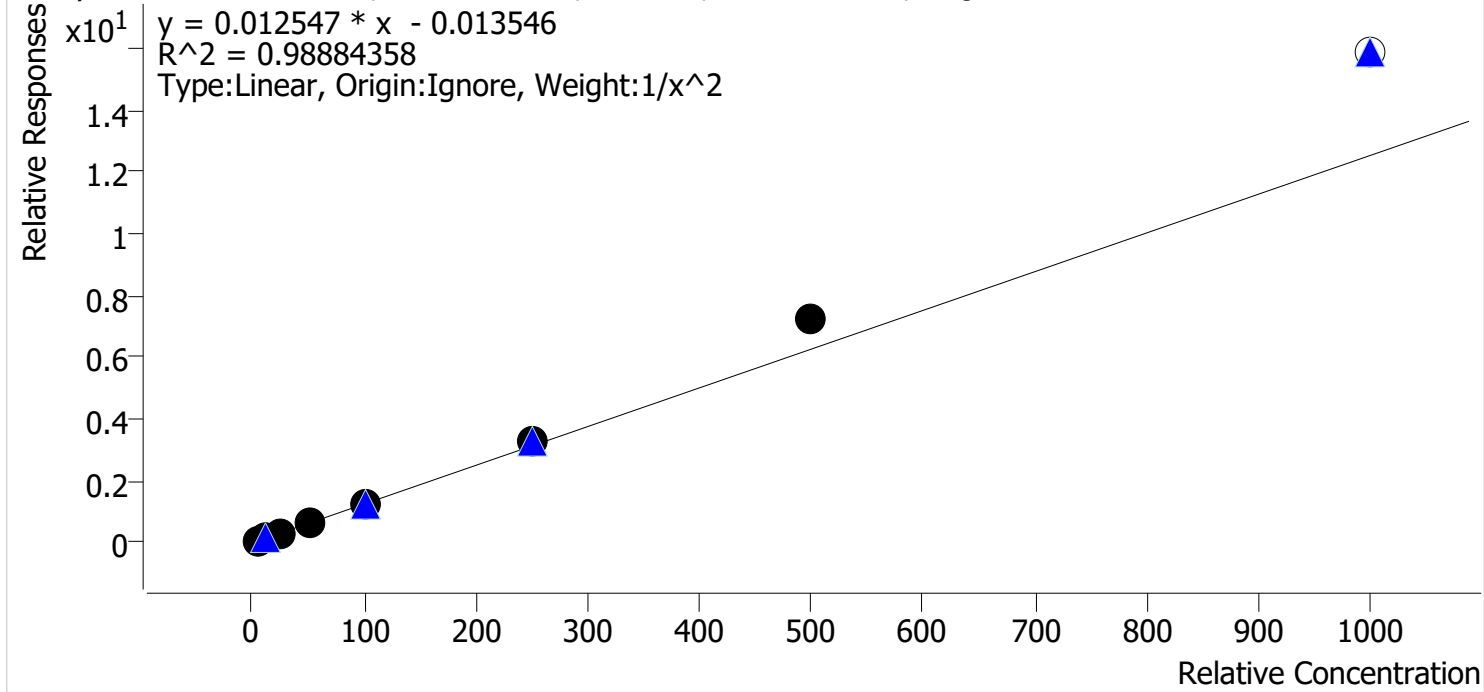
cg



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.7
p1 Cal 2-10ng	2	✓	10.0	9.3	93.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.8
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	581.1	116.2
p1 Cal 8-1000ng	8	x	1000.0	1262.9	126.3

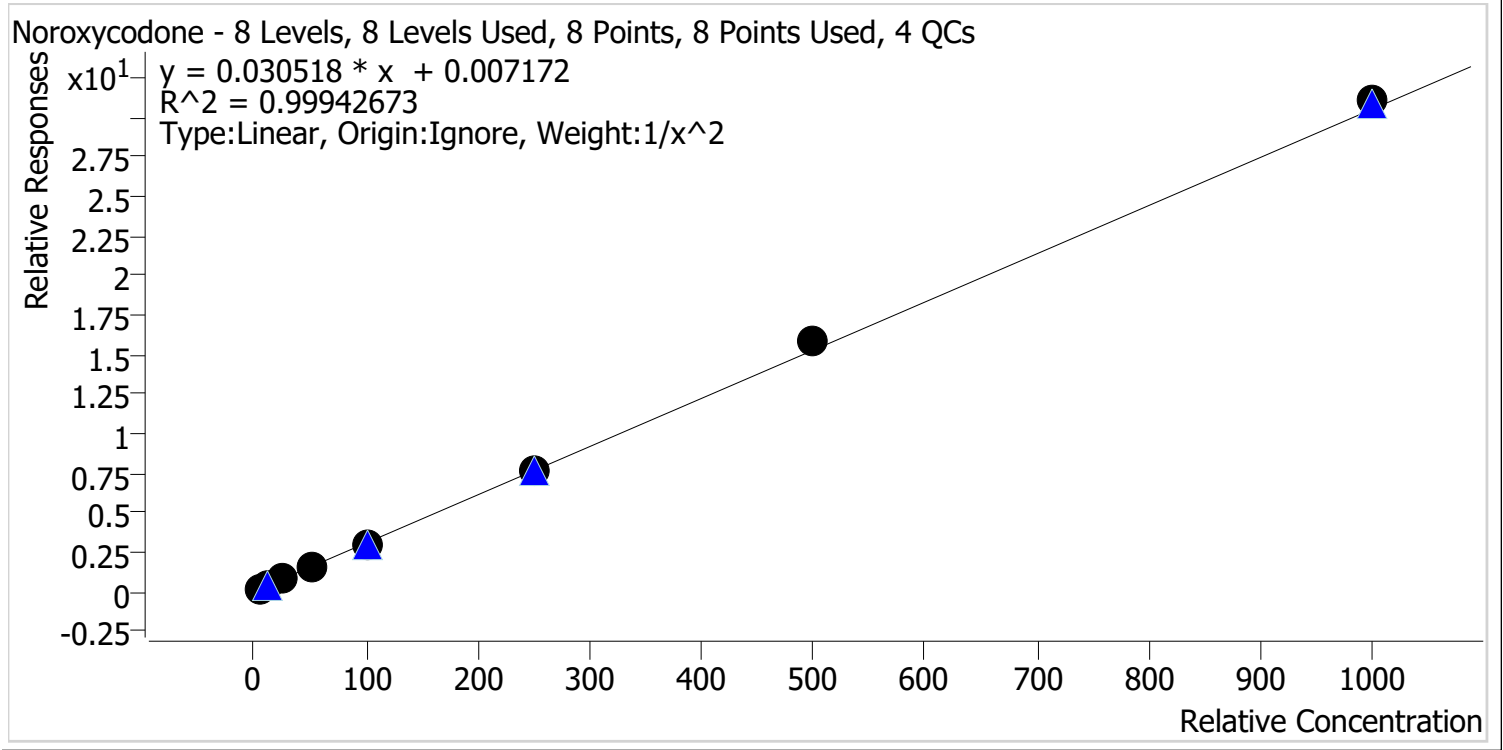
Calibrator 8 dropped due to not meeting accuracy requirement.

cg



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

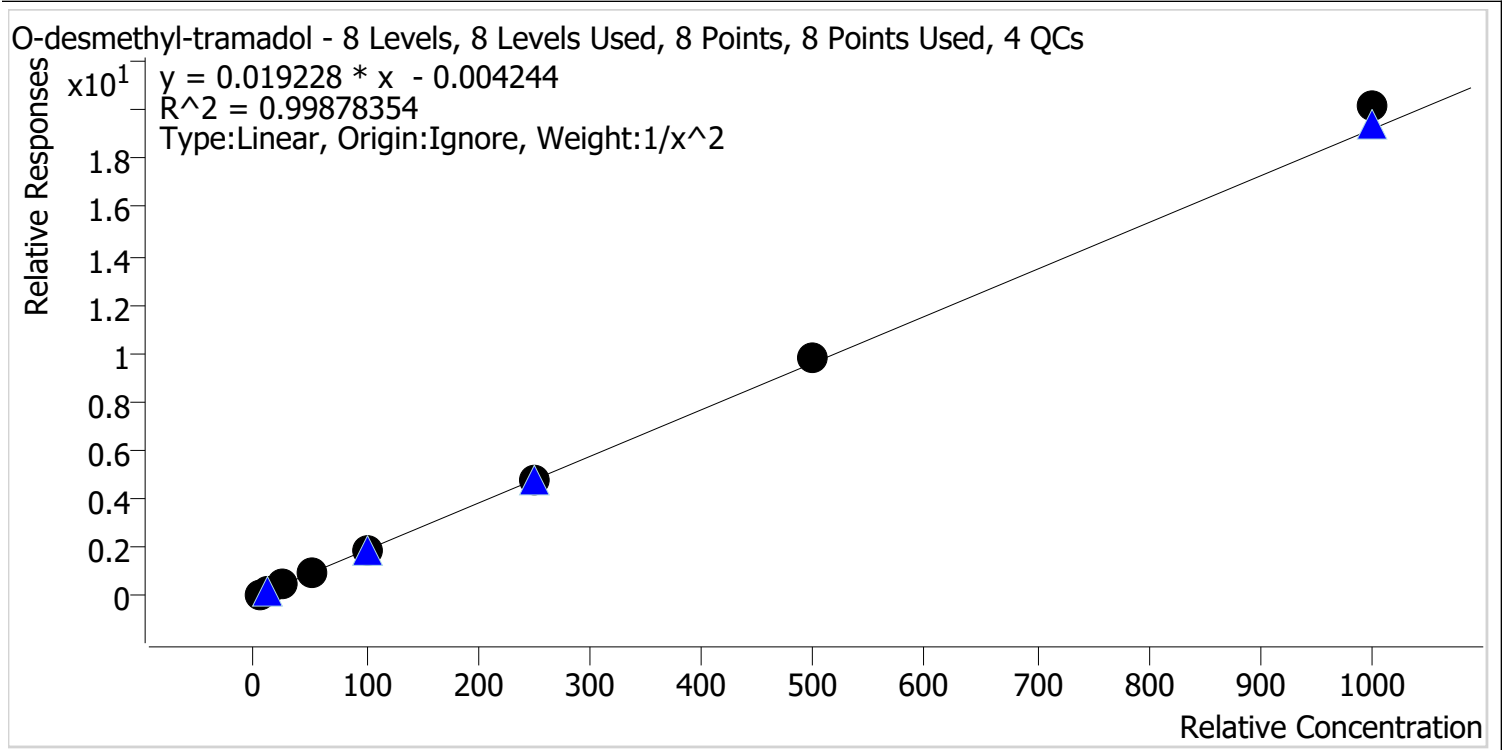


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	516.3	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1017.9	101.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



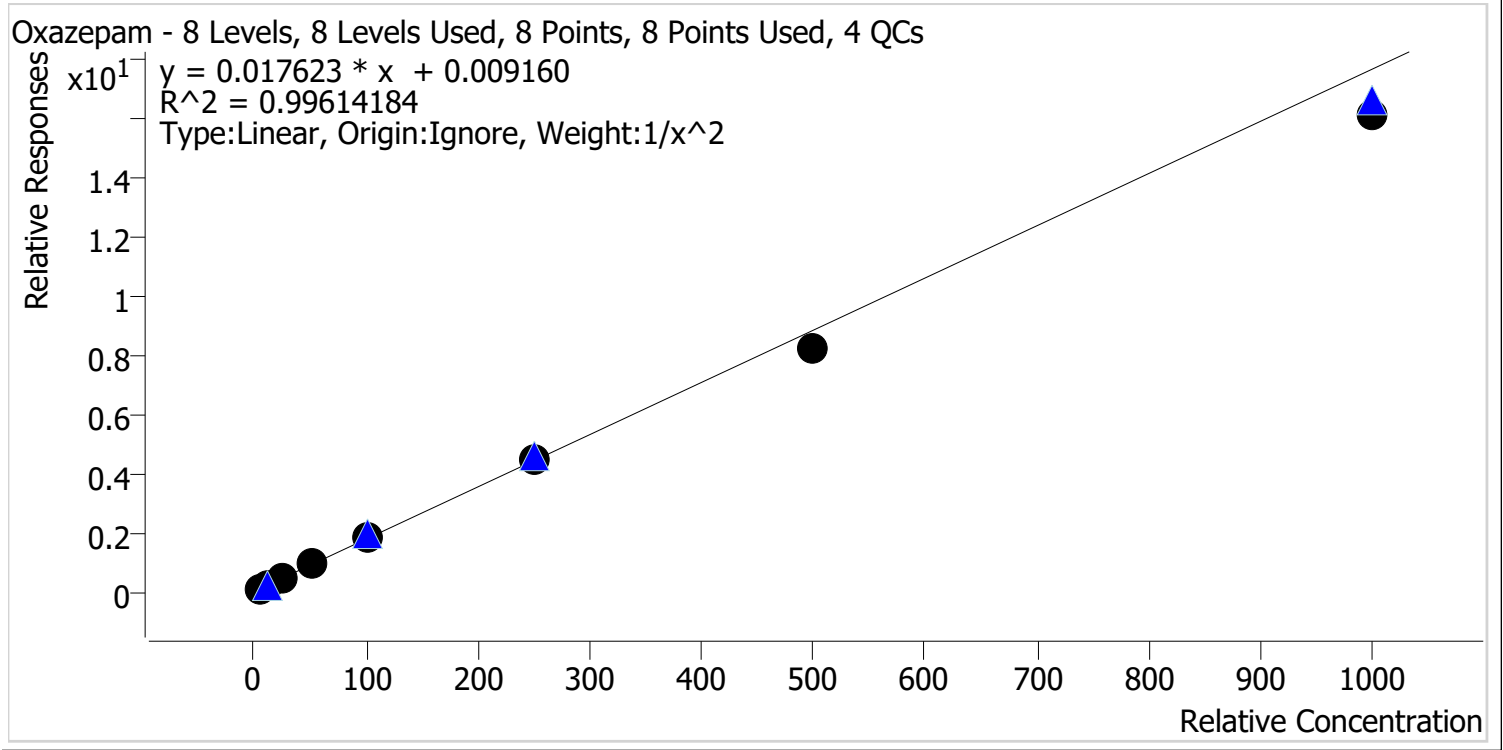
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	511.4	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1048.9	104.9





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

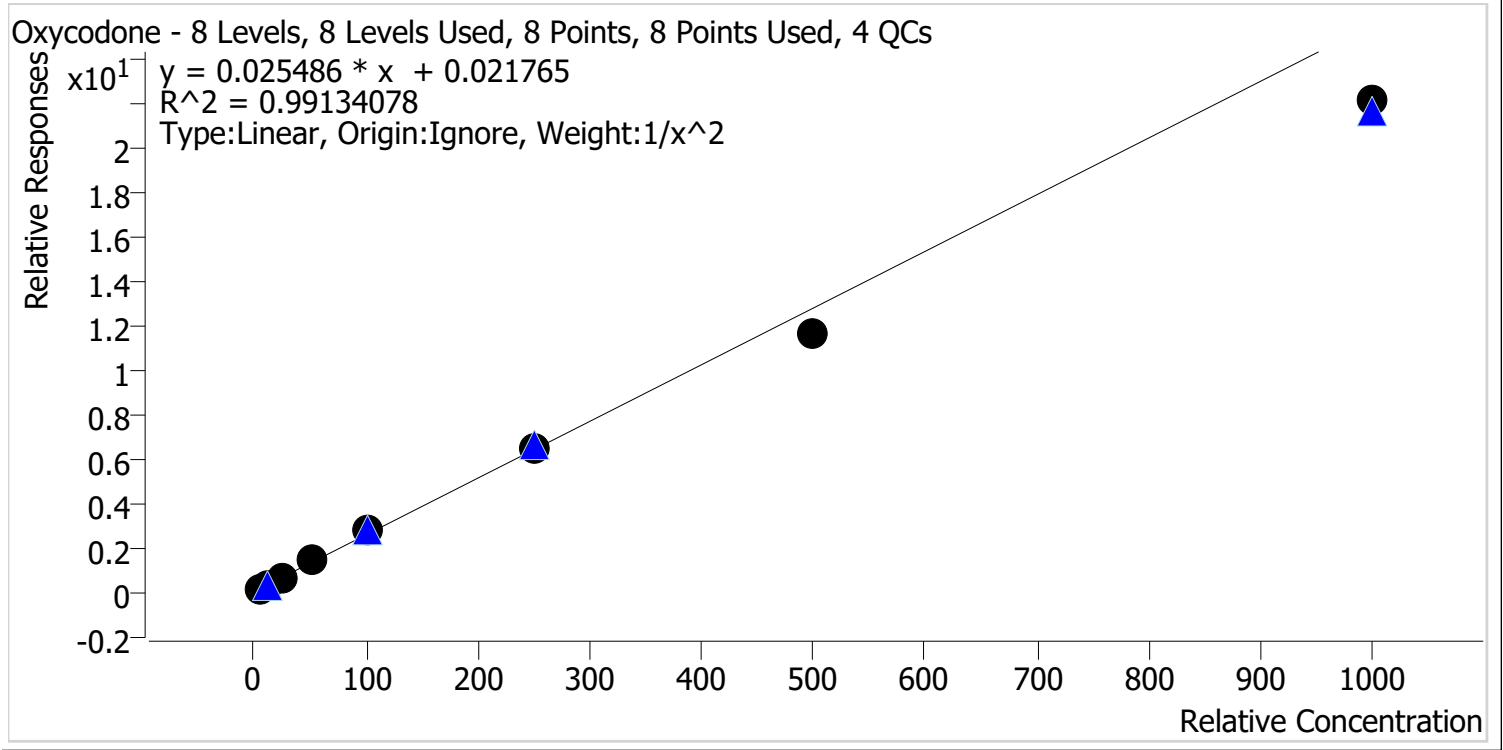


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	468.2	93.6
p1 Cal 8-1000ng	8	✓	1000.0	911.8	91.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**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	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	456.6	91.3
p1 Cal 8-1000ng	8	✓	1000.0	866.1	86.6

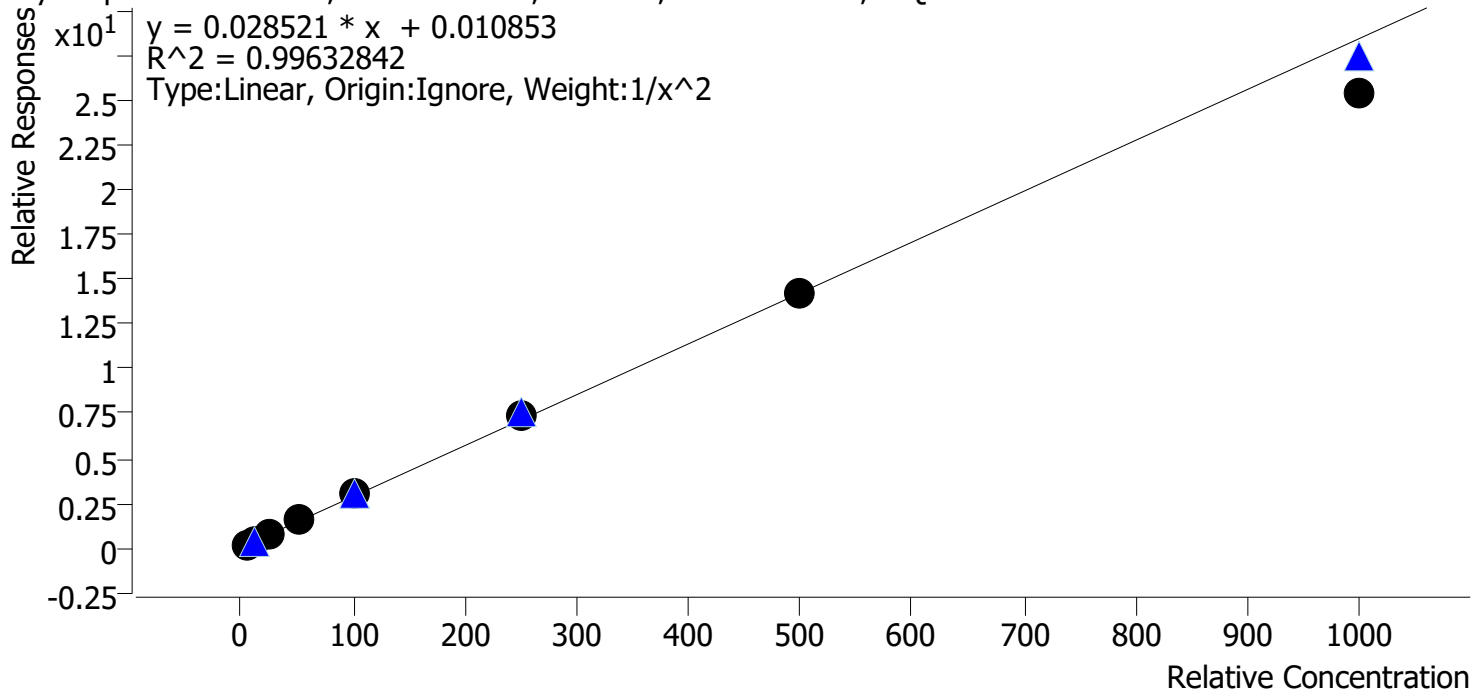
g



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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

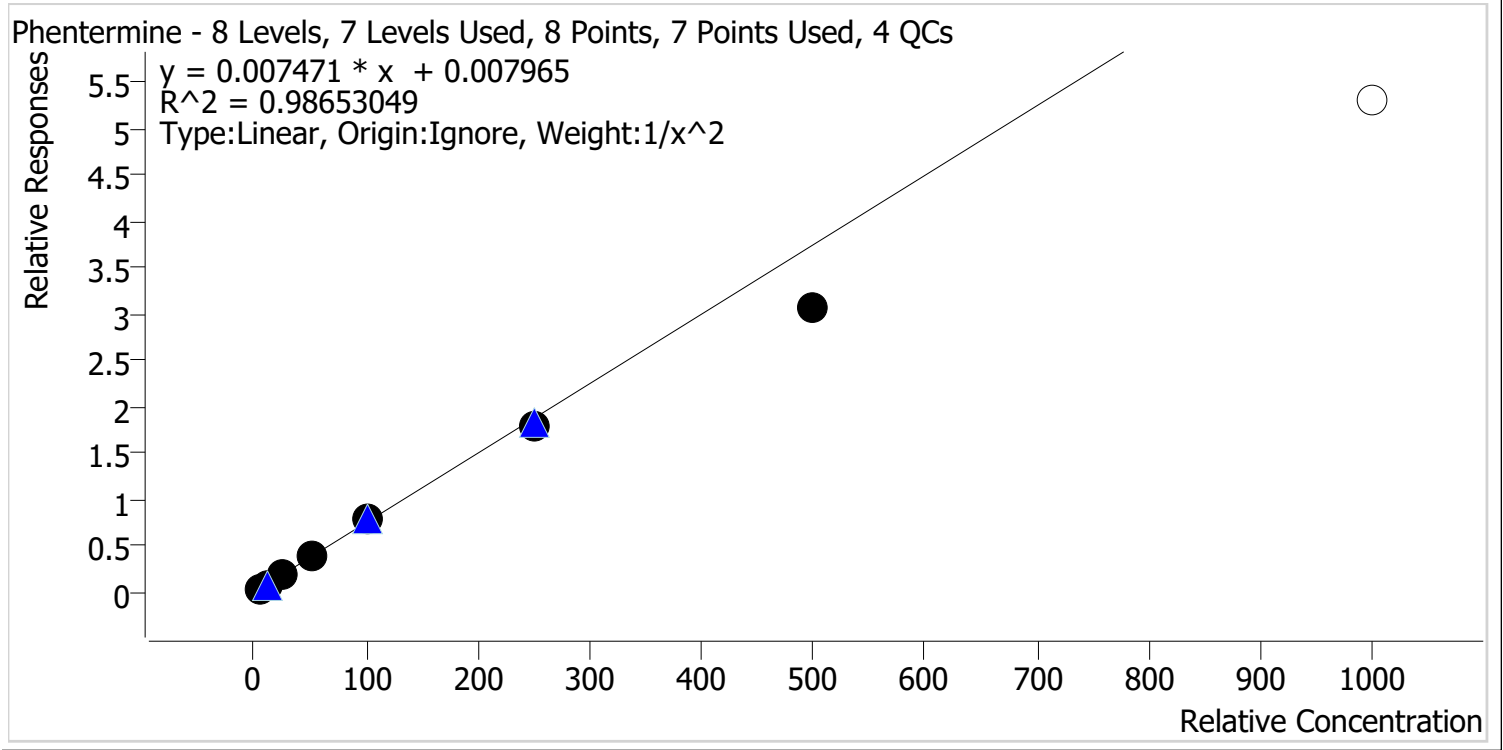


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	892.4	89.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**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	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.9
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	238.7	95.5
p1 Cal 7-500ng	7	✓	500.0	407.7	81.5
p1 Cal 8-1000ng	8	✗	1000.0	707.5	70.7

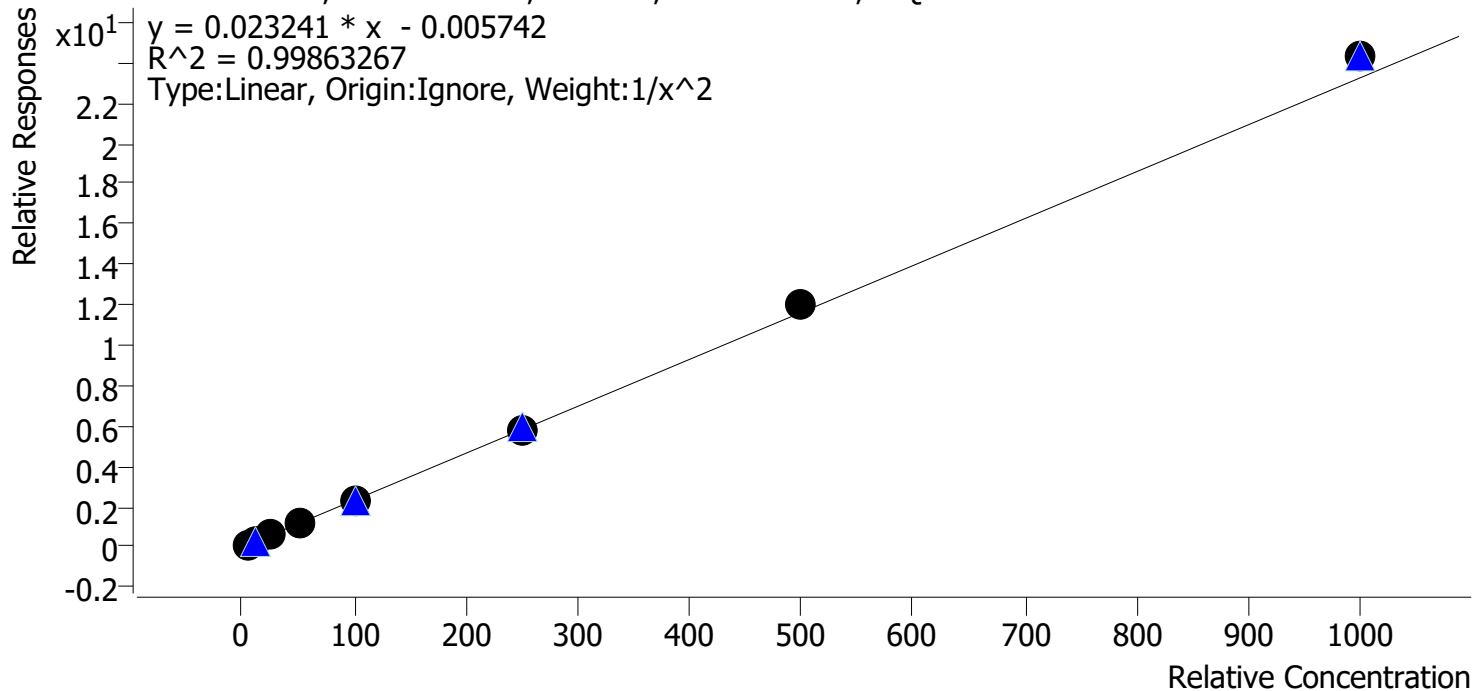
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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

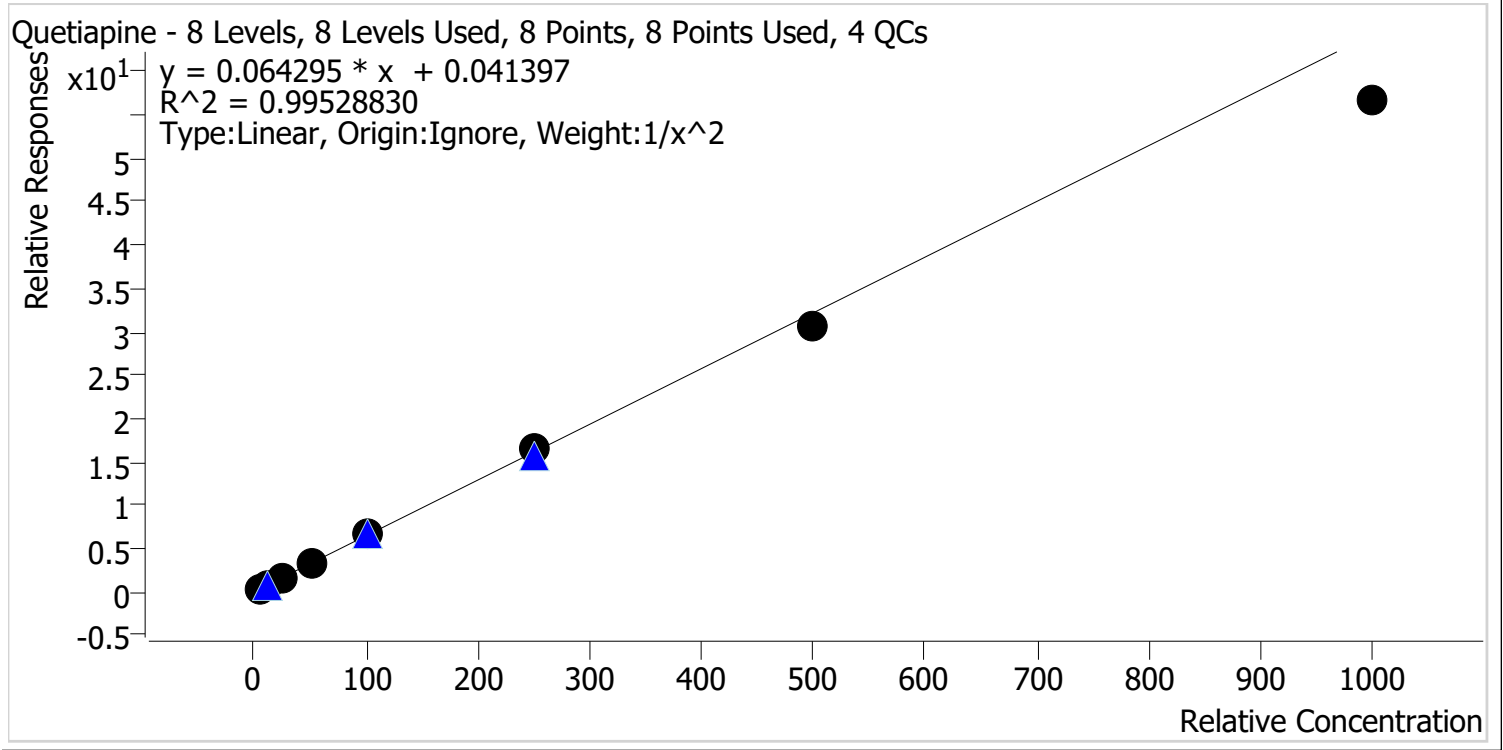


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	519.2	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1045.3	104.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

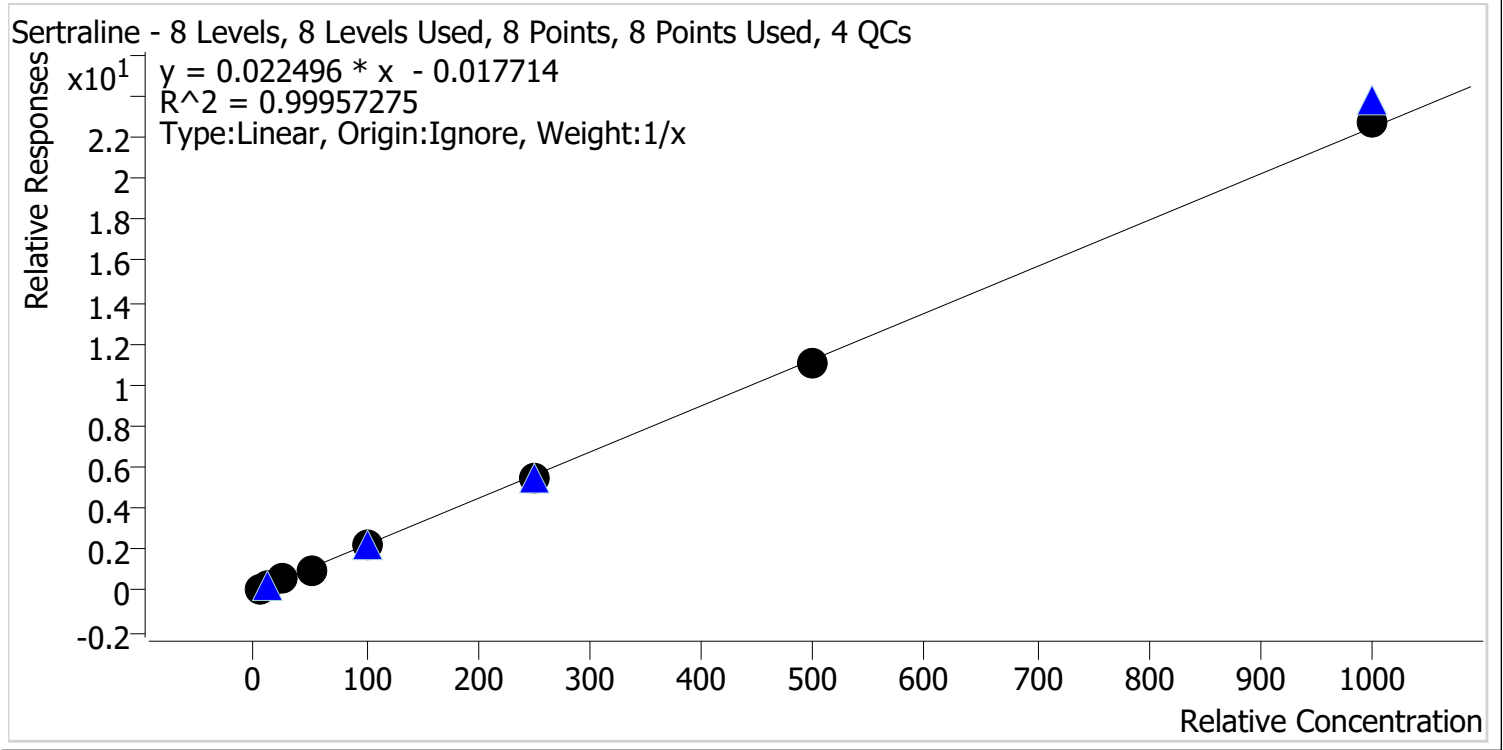


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng	7	✓	500.0	479.4	95.9
p1 Cal 8-1000ng	8	✓	1000.0	880.9	88.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

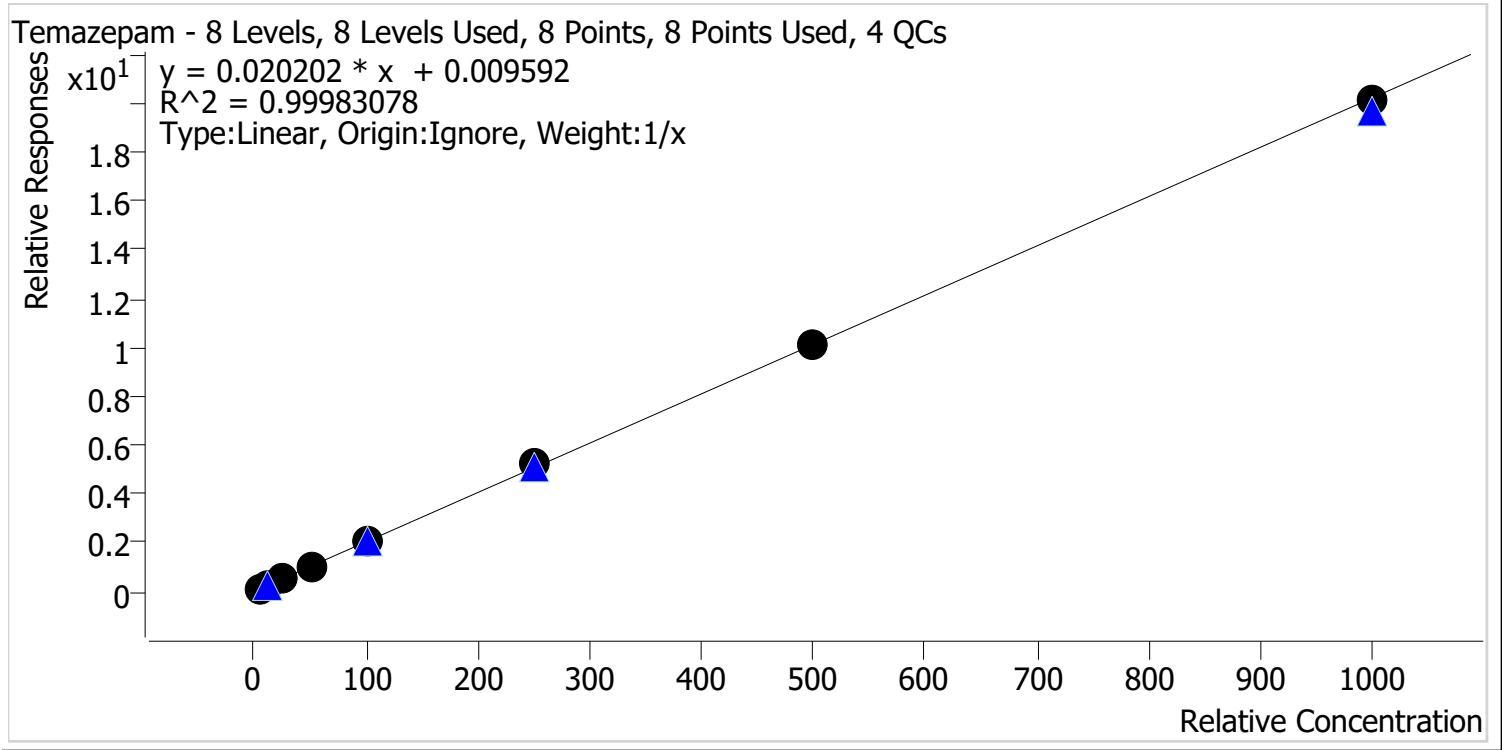


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1014.8	101.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



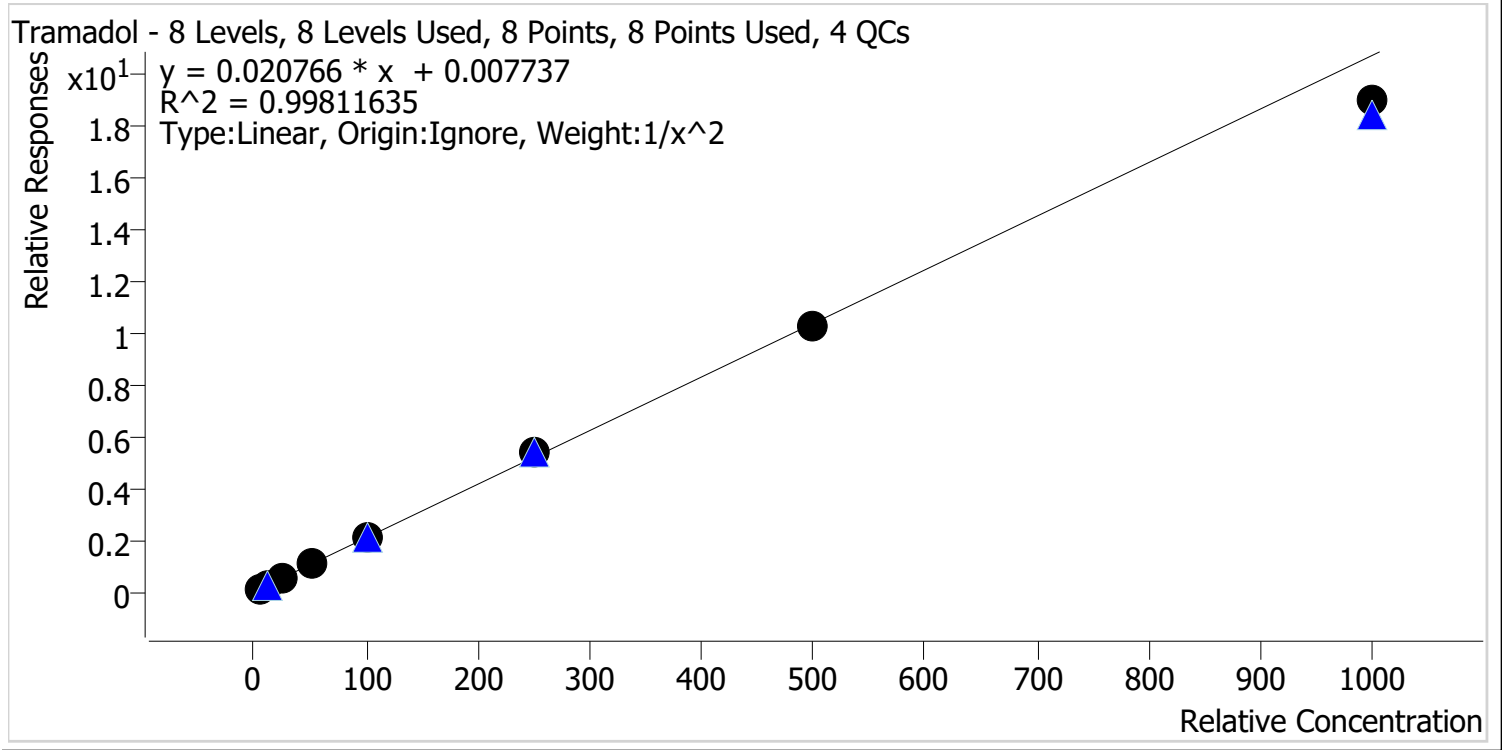
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	994.7	99.5





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

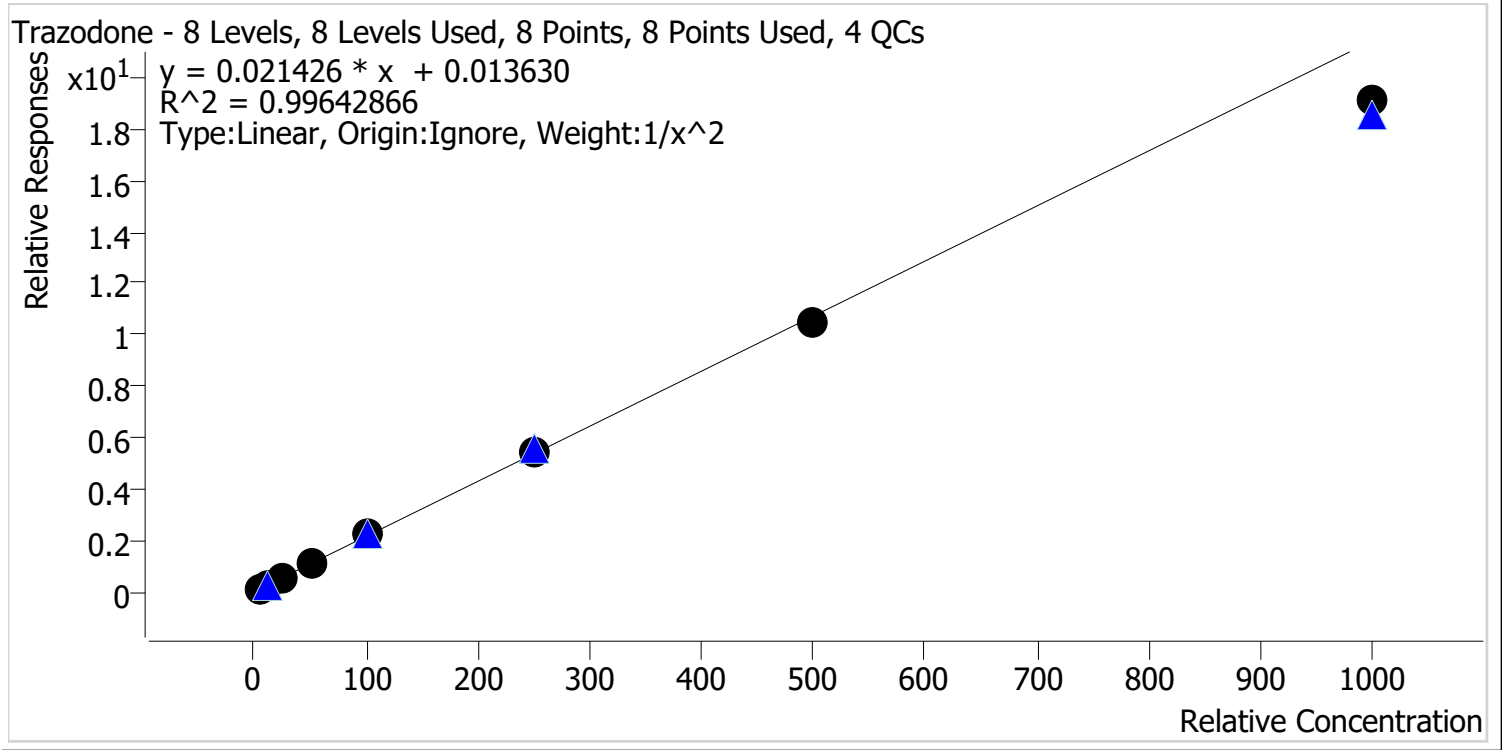


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	915.7	91.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

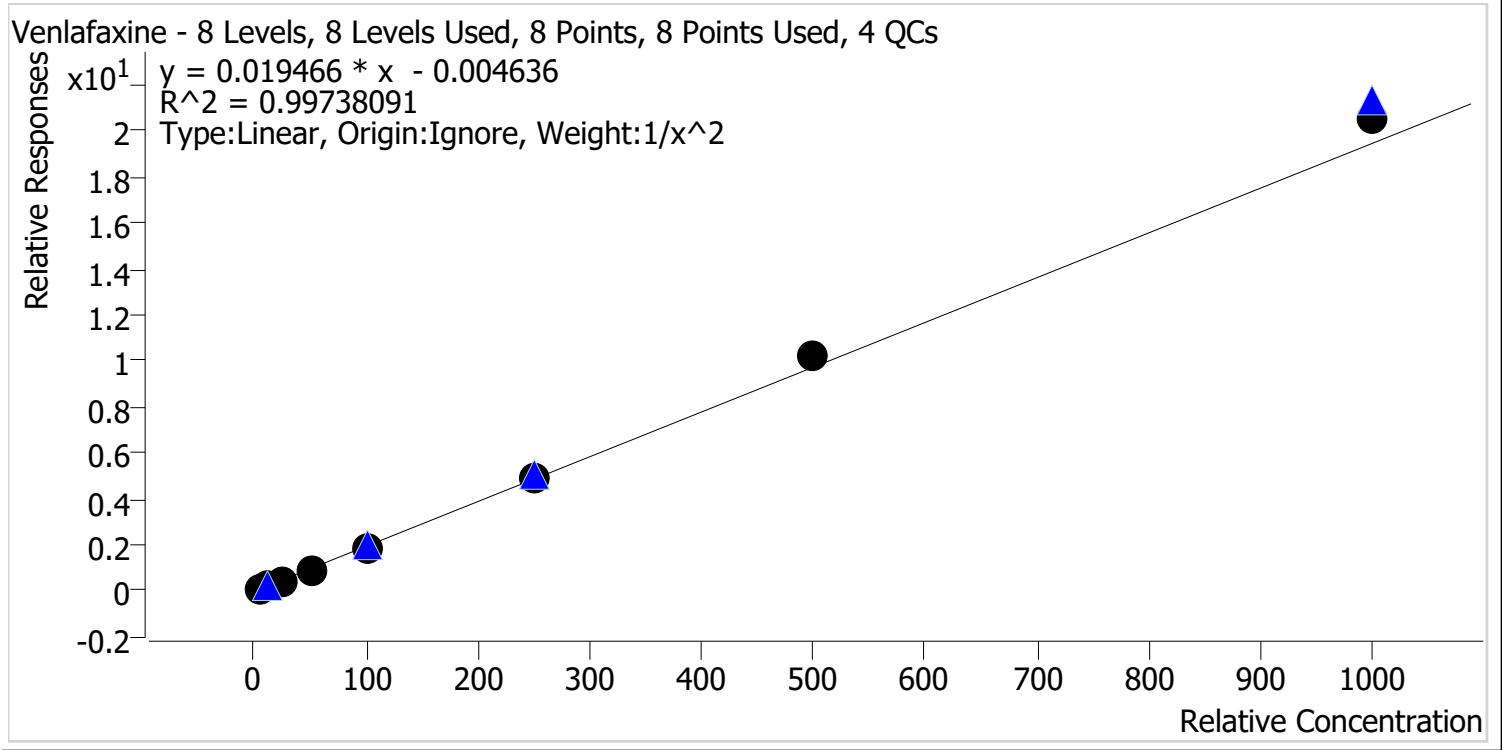


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	485.7	97.1
p1 Cal 8-1000ng	8	✓	1000.0	891.4	89.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

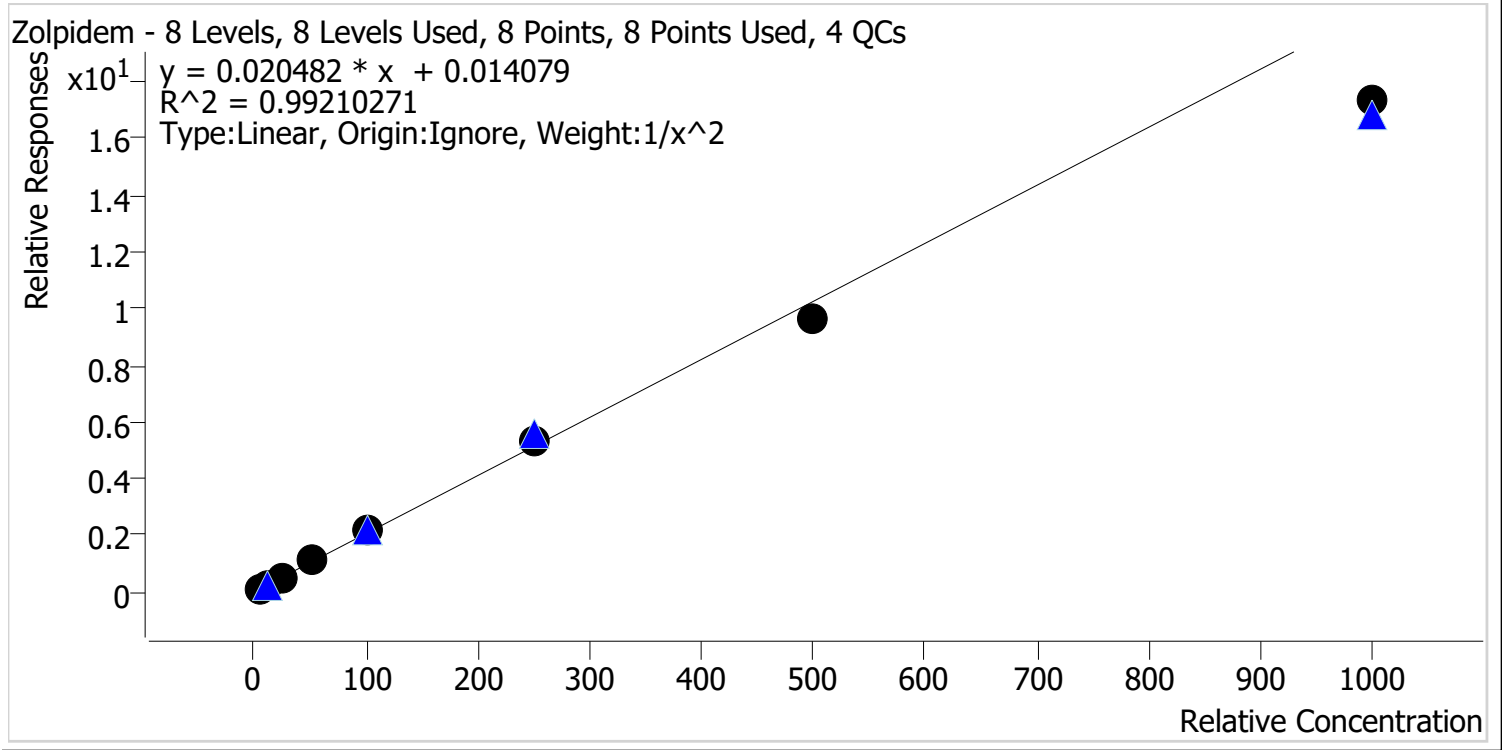


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	526.2	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1058.2	105.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/28/2022 2:11 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	471.2	94.2
p1 Cal 8-1000ng	8	✓	1000.0	846.0	84.6

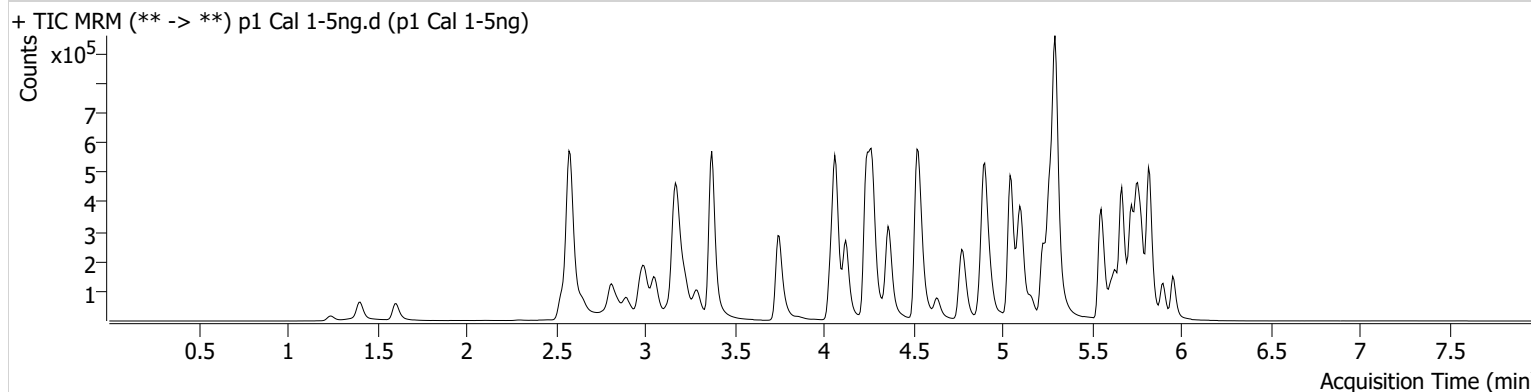
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-H5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 8:49:08 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	1443	2815.41	78.9	3141.89	70706	0.5055 ng/ml
7-aminoclonazepam	4.263	9822	209.11	75.4	853.19	69848	3.7825 ng/ml
a-hydroxyalprazolam	5.699	15995	89.15	61.8	284.66	343667	4.8644 ng/ml
alpha-PHP	4.936	25006	154.43	255.6	6469.23	676837	4.8902 ng/ml
alpha-PVP	4.375	89728	3648.15	50.0	453.04	676837	5.1006 ng/ml
Alprazolam	5.782	44305	356.26	118.4	405.89	343667	5.0507 ng/ml
Amphetamine	3.058	164571	368.58	49.5	311.38	388798	4.8669 ng/ml
Benzoylcegonine	3.884	1919	10.57	9.6	68.41	12089	5.3430 ng/ml
Buprenorphine	5.853	1704	34.82	16.4	88.58	107581	0.5226 ng/ml
Bupropion	4.794	83353	1198.23	64.7	376.92	577360	5.0205 ng/ml
Carisoprodol	5.731	52966	52419.01	52.9	303.04	462683	5.7640 ng/ml
Citalopram	5.225	58729	471.30	39.6	267.56	528775	5.0447 ng/ml
Clonazepam	5.612	48316	107.22	35.4	93080.88	129116	4.8356 ng/ml
Clonazepam	5.556	34602	3033.53	36.3	28221.23	129116	4.8860 ng/ml
Cocaine	4.269	57850	6164.56	54.0	2706.17	943723	5.0167 ng/ml
Codeine	2.587	7664	26958.49	102.3	23.48	74762	4.8107 ng/ml
Cyclobenzaprine	5.635	29147	1234.24	8.1	80.38	230763	5.1942 ng/ml
Dextromethorphan	5.275	34078	1808.52	82.2	1083.93	275804	5.0177 ng/ml
Dextrophan	4.123	25038	140.52	203.1	334.21	507163	5.0529 ng/ml
Diazepam	5.960	26829	135.85	88.2	560.20	244811	4.9905 ng/ml
Dihydrocodeine	2.566	19103	4417.02	62.4	190.53	216636	4.8648 ng/ml
Diphenhydramine	5.295	159253	357.38	32.7	1248.44	1863950	5.1175 ng/ml
Doxylamine	4.542	171519	612.90	99.5	4590.87	1467578	5.0464 ng/ml
EDDP	5.267	66630	3486.16	42.8	4679.80	696543	5.0764 ng/ml
Etizolam	5.820	21960	2590.52	24.8	8111.30	129116	5.1726 ng/ml
Fentanyl	5.109	4266	208.38	72.4	9132.52	444476	0.5016 ng/ml
Flualprazolam	5.712	20681	756.88	95.7	407.14	343667	4.8753 ng/ml
Fluoxetine	5.721	18588	331.32	9.4	192.96	140298	5.0942 ng/ml
Hydrocodone	3.027	31357	126.52	33.7	136.40	321354	4.8609 ng/ml
Hydromorphone	1.615	22253	1616.00	79.8	39056.20	144357	5.0038 ng/ml
Ketamine	4.056	63021	5261.19	37.5	196.77	514026	4.9383 ng/ml
Lamotrigine	4.285	5438	260.37	88.4	949.40	514026	4.8344 ng/ml
Levetiracetam	2.651	30039	237.94	153.6	913.63	1576332	5.1388 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	43195	598.96	52.3	73.17	129116	4.4632 ng/ml
MDA	3.199	101462	911.49	30.9	234.80	550619	4.7229 ng/ml
MDMA	3.299	57403	997.54	97.9	893.91	130316	5.0780 ng/ml
Meprobamate	4.903	33040	2596.84	25.0	65.42	310730	4.8546 ng/ml
Methadone	5.666	92801	776.02	50.5	2257.24	775685	5.8994 ng/ml
Methamphetamine	3.227	138295	512.07	40.0	458.78	974576	4.8662 ng/ml
Metoprolol	4.331	17761	9421.27	80.9	152.81	1196401	4.8532 ng/ml
Mirtazapine	4.636	111334	6622.47	46.8	345.76	676837	5.0813 ng/ml
Mitragynine	5.243	16826	151.19	38.2	16295.61	775685	4.8571 ng/ml
Morphine	1.253	3914	238.68	31.3	426.70	19077	4.9953 ng/ml
Norbuprenorphine	5.005	304	43.58	95.7	127.02	20776	0.4785 ng/ml
Nordiazepam	5.907	28290	659.17	59.8	1138.79	186444	4.9154 ng/ml
Norfentanyl	4.090	13459	5187.80	34.9	50.00	1135915	0.5180 ng/ml
Norhydrocodone	3.075	4968	119.09	39.2	16.36	94156	5.2853 ng/ml
Noroxycodone	2.918	30730	433.70	46.6	83.08	190500	5.0509 ng/ml
O-desmethyl-tramadol	3.379	125980	1019.04	6.6	218.79	1335732	5.1258 ng/ml
Oxazepam	5.756	57690	150.08	74.3	255.34	606917	4.8741 ng/ml
Oxycodone	2.843	57092	619.95	29.2	329.29	399279	4.7565 ng/ml
Oxymorphone	1.405	26952	118.65	43.9	945.88	173850	5.0551 ng/ml
Phentermine	3.780	35850	209.78	5.9	15.33	819907	4.7865 ng/ml
Promethazine	5.552	58659	553.37	29.3	1011.19	521692	5.0851 ng/ml
Pseudoephedrine	2.590	155944	2846.93	17.6	70.13	1576332	5.0707 ng/ml
Quetiapine	5.569	79732	227.07	58.2	61432.74	225001	4.8676 ng/ml
Sertraline	5.796	4549	47.67	102.0	135.21	44272	5.3554 ng/ml
Temazepam	5.824	89419	755.96	28.7	64.89	841674	4.7841 ng/ml
Tramadol	4.251	132400	277.70	3.5	27.63	1196401	4.9565 ng/ml
Trazodone	5.155	64720	114.19	78.1	2716.08	547295	4.8830 ng/ml
Venlafaxine	5.043	105850	8849.87	37.7	843.53	1100669	5.1785 ng/ml
Zolpidem	4.920	130845	1157.03	31.5	1973.81	1146192	4.8860 ng/ml

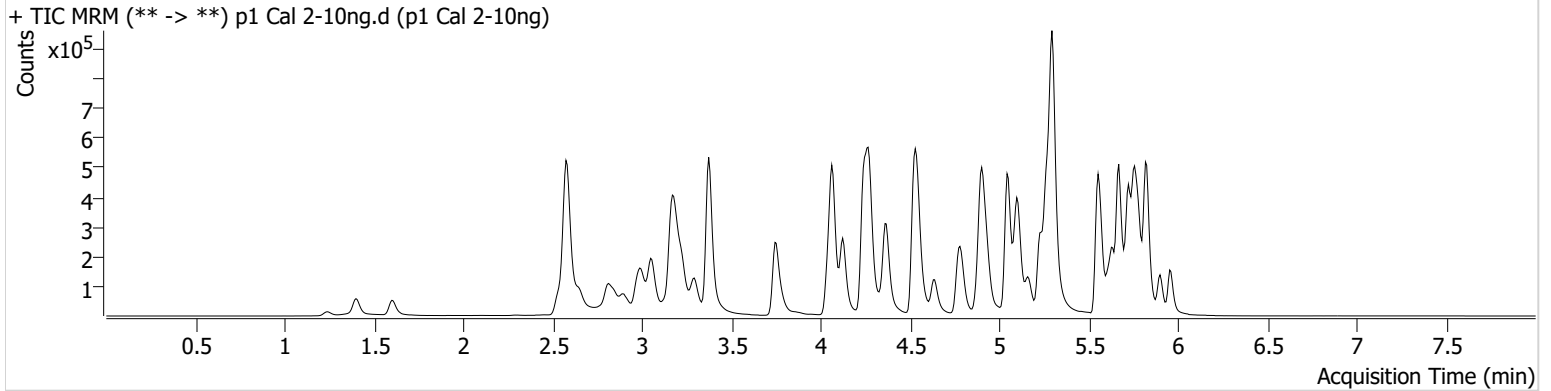
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-G5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 8:59:54 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	2355	93.00	73.5	214.08	60605	0.9896 ng/ml
7-aminoclonazepam	4.263	20286	856.45	80.1	2169.88	74611	9.4307 ng/ml
a-hydroxyalprazolam	5.699	26555	132.12	68.8	255.16	301819	10.1456 ng/ml
alpha-PHP	4.936	41182	1190.39	262.8	2632.47	583903	10.0880 ng/ml
alpha-PVP	4.375	150856	570.06	50.9	1775.03	583903	9.7490 ng/ml
Alprazolam	5.782	78611	910.91	116.2	1709.79	301819	9.8891 ng/ml
Amphetamine	3.058	272694	3259.67	49.0	909.46	334621	10.1086 ng/ml
Benzoylecgonine	3.884	3142	56.27	7.4	54.79	10447	10.0818 ng/ml
Buprenorphine	5.853	2971	83.59	17.9	409.13	99371	0.9459 ng/ml
Bupropion	4.794	140111	328.11	65.5	535.83	504758	9.8685 ng/ml
Carisoprodol	5.731	89248	285.87	52.5	289.24	397890	10.1402 ng/ml
Citalopram	5.225	108785	1272.76	38.8	157.10	487597	9.9691 ng/ml
Clonazepam	5.612	85483	214.64	34.7	14230.78	116874	10.1705 ng/ml
Clonazepam	5.556	59786	60516.51	36.4	30715.99	116874	10.1202 ng/ml
Cocaine	4.269	98412	304.30	54.8	7731.87	811932	9.9970 ng/ml
Codeine	2.587	12346	214.12	104.6	26069.36	63663	10.2060 ng/ml
Cyclobenzaprine	5.635	71643	107232.60	8.4	4751.70	293333	9.5592 ng/ml
Dextromethorphan	5.275	63513	1845.33	81.9	194.49	262599	9.9709 ng/ml
Dextrophan	4.123	42923	691.26	205.9	61296.84	437937	9.9597 ng/ml
Diazepam	5.960	48022	315.29	87.6	2642.08	221805	10.0436 ng/ml
Dihydrocodeine	2.566	33201	721.31	58.7	109.21	187711	10.2982 ng/ml
Diphenhydramine	5.302	287988	5106.25	32.2	34235.31	1696487	9.8274 ng/ml
Doxylamine	4.542	289682	6113.88	101.3	14153.00	1290155	9.8113 ng/ml
EDDP	5.267	117174	9749.30	42.9	1141814.85	619087	9.8399 ng/ml
Etizolam	5.820	38538	71823.95	25.5	20004.94	116874	9.6934 ng/ml
Fentanyl	5.109	9343	41.42	66.3	8079.15	474479	1.0179 ng/ml
Flualprazolam	5.712	34926	2041.61	93.5	8827.46	301819	10.1185 ng/ml
Fluoxetine	5.721	53032	3979.92	8.5	265.87	198497	9.9976 ng/ml
Hydrocodone	3.027	51827	70.93	34.4	72.27	275480	10.2340 ng/ml
Hydromorphone	1.608	35647	388.58	69.6	28.90	110561	10.0189 ng/ml
Ketamine	4.056	105141	766.71	37.9	435.27	447714	10.0523 ng/ml
Lamotrigine	4.285	9194	299.70	84.6	319.94	447714	10.3120 ng/ml
Levetiracetam	2.651	47713	615.77	150.5	1016.85	1318514	9.7372 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	77942	1539.57	51.8	107.63	116874	10.2016 ng/ml
MDA	3.199	170789	1773.61	31.1	285.35	484336	10.3275 ng/ml
MDMA	3.299	96939	1784.86	97.9	1605.88	113755	9.7524 ng/ml
Meprobamate	4.903	55507	230.00	27.0	149.63	274167	10.2482 ng/ml
Methadone	5.666	176649	11954.77	51.1	523.98	755915	10.2432 ng/ml
Methamphetamine	3.227	223017	1021.67	39.9	1796.92	833864	10.2217 ng/ml
Metoprolol	4.331	29162	12916.81	86.1	1607.26	1034241	10.1324 ng/ml
Mirtazapine	4.636	195815	1333.40	48.0	2432.36	583903	9.8225 ng/ml
Mitragynine	5.236	35225	55447.70	38.4	46652.25	755915	10.3184 ng/ml
Morphine	1.247	5504	59.77	32.3	170.03	13800	9.8970 ng/ml
Norbuprenorphine	4.998	542	788.44	100.9	753.61	19303	1.1373 ng/ml
Nordiazepam	5.907	52152	762.46	59.2	1391.65	170439	10.2077 ng/ml
Norfentanyl	4.090	22736	119.72	31.8	45.70	978173	0.9587 ng/ml
Norhydrocodone	3.075	8131	157.97	36.9	200.69	78711	9.3133 ng/ml
Noroxycodone	2.918	48985	434.15	46.8	2255.93	158062	9.9202 ng/ml
O-desmethyl-tramadol	3.379	210446	1005.72	6.5	1991.58	1158283	9.6699 ng/ml
Oxazepam	5.756	101855	401.05	70.5	117.10	538414	10.2150 ng/ml
Oxycodone	2.836	96780	382.25	28.3	244.97	333515	10.5321 ng/ml
Oxymorphone	1.405	39640	135.39	46.5	247.04	139441	9.5870 ng/ml
Phentermine	3.780	60322	355.38	6.0	47.00	708926	10.3233 ng/ml
Promethazine	5.552	137080	288.78	30.7	2906.69	615356	9.8321 ng/ml
Pseudoephedrine	2.590	262576	4460.45	17.5	1083.18	1318514	9.9192 ng/ml
Quetiapine	5.569	144851	26940.62	59.5	138540.44	208557	10.1585 ng/ml
Sertraline	5.796	13710	353.18	103.3	743.61	64132	10.2904 ng/ml
Temazepam	5.824	155442	862.50	27.9	111.40	752576	9.7494 ng/ml
Tramadol	4.251	222966	33276.03	3.7	179.44	1034241	10.0089 ng/ml
Trazodone	5.155	127835	6711.01	76.3	7292.64	547903	10.2530 ng/ml
Venlafaxine	5.050	175500	383.98	39.6	∞	973887	9.4957 ng/ml
Zolpidem	4.920	222046	6572.35	31.2	4724.49	1008436	10.0628 ng/ml



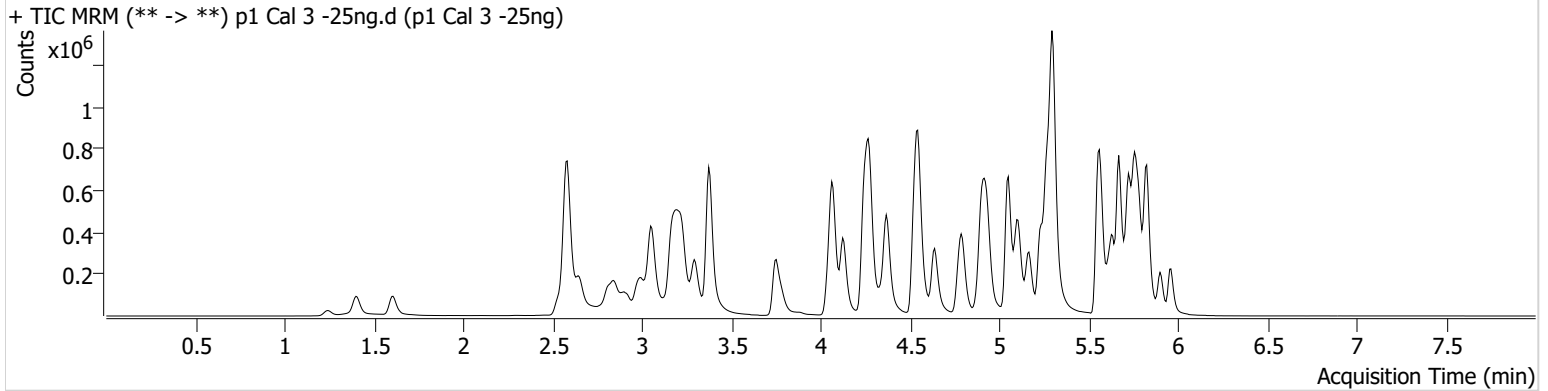
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-F5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 9:10:30 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	6464	246.54	74.8	528.93	67268	2.4908 ng/ml
7-aminoclonazepam	4.263	67296	553.37	77.1	628.73	99055	26.9632 ng/ml
a-hydroxyalprazolam	5.699	68959	2391.48	66.5	575.84	316547	26.6952 ng/ml
alpha-PPH	4.943	110821	934.45	263.1	6380.62	633435	26.2497 ng/ml
alpha-PVP	4.375	415180	516.21	51.0	8277.40	633435	24.4228 ng/ml
Alprazolam	5.782	208157	1106.66	114.9	887.46	316547	24.4966 ng/ml
Amphetamine	3.058	772216	380.12	47.5	1234.94	369053	27.2059 ng/ml
Benzoylecgonine	3.884	8618	859.57	8.2	61.27	11612	24.8102 ng/ml
Buprenorphine	5.853	8475	2327.41	17.1	2813.98	110636	2.3517 ng/ml
Bupropion	4.794	403418	10251.75	64.7	825.09	577788	25.1766 ng/ml
Carisoprodol	5.731	235161	834.60	51.2	799.12	403100	24.4482 ng/ml
Citalopram	5.232	290781	607.17	39.5	625.57	530324	24.2628 ng/ml
Clonazepam	5.612	222334	24810.86	36.1	362.98	120831	26.7282 ng/ml
Clonazepam	5.556	154821	1322.84	36.2	2415.03	120831	26.6634 ng/ml
Cocaine	4.269	262493	397.08	54.8	852.29	885429	24.5658 ng/ml
Codeine	2.587	34165	55.53	105.1	2676.15	70305	27.4411 ng/ml
Cyclobenzaprine	5.635	217808	224.28	8.2	2141.43	348034	23.6828 ng/ml
Dextromethorphan	5.275	171669	224.66	80.5	30658.77	287579	24.8373 ng/ml
Dextrophan	4.130	116288	412.70	202.1	15917.98	482035	24.4085 ng/ml
Diazepam	5.960	123468	593.51	89.2	378.64	234935	24.6494 ng/ml
Dihydrocodeine	2.566	88840	550.69	59.9	168.62	209157	25.4833 ng/ml
Diphenhydramine	5.302	776390	232.43	32.0	10838.49	1853096	23.7482 ng/ml
Doxylamine	4.542	804315	2145.17	99.7	1851.13	1424198	24.8685 ng/ml
EDDP	5.267	346783	11108.31	41.6	339.12	722573	24.6303 ng/ml
Etizolam	5.820	100583	5275.60	24.2	14896.42	120831	23.9273 ng/ml
Fentanyl	5.109	24306	193.57	71.4	4811.42	520716	2.3981 ng/ml
Flualprazolam	5.712	89690	3561.09	96.4	8401.22	316547	25.9425 ng/ml
Fluoxetine	5.728	158537	300.48	8.7	3107.07	252227	23.1546 ng/ml
Hydrocodone	3.027	144691	165.13	33.5	115.39	316241	26.2187 ng/ml
Hydromorphone	1.608	109990	2790.30	71.4	1017.21	132259	25.1950 ng/ml
Ketamine	4.056	284128	11043.68	38.5	323.76	495240	25.4932 ng/ml
Lamotrigine	4.285	25115	179.05	85.7	410.57	495240	26.9145 ng/ml
Levetiracetam	2.651	124594	872.55	157.7	2174.10	1468820	22.7934 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	196573	4375.40	52.4	761.34	120831	26.7769 ng/ml
MDA	3.199	457976	1882.65	31.2	1281.03	520433	27.8838 ng/ml
MDMA	3.299	270457	1141.24	96.1	3369.21	123690	24.9031 ng/ml
Meprobamate	4.910	142618	113610.33	27.0	2073.83	289764	26.5046 ng/ml
Methadone	5.666	476025	785.07	50.5	10437.20	810756	23.7048 ng/ml
Methamphetamine	3.227	592613	669.82	39.1	4519.11	927201	26.0770 ng/ml
Metoprolol	4.338	79608	1612.91	84.2	5537.29	1139134	26.6167 ng/ml
Mirtazapine	4.636	551382	3983.77	46.8	3790.15	633435	24.6710 ng/ml
Mitragynine	5.243	96970	127489.77	37.9	552.86	810756	26.3258 ng/ml
Morphine	1.247	17139	450.09	32.1	193.27	16752	25.6944 ng/ml
Norbuprenorphine	5.005	1064	887.38	126.7	22844.58	21261	2.2126 ng/ml
Nordiazepam	5.907	132450	636.04	60.7	1301.10	178326	25.1924 ng/ml
Norfentanyl	4.090	65797	4541.96	32.9	816.77	1096937	2.3796 ng/ml
Norhydrocodone	3.075	22237	181.17	38.7	76.83	81942	22.7088 ng/ml
Noroxycodone	2.918	134844	691.82	46.8	548.54	178166	24.5652 ng/ml
O-desmethyl-tramadol	3.379	583155	1661.68	6.4	675.99	1262823	24.2371 ng/ml
Oxazepam	5.756	258156	201.67	72.5	1446.21	556323	25.8121 ng/ml
Oxycodone	2.836	266970	503.14	28.9	888.42	382956	26.4998 ng/ml
Oxymorphone	1.405	117915	∞	45.1	262.73	160151	25.4351 ng/ml
Phentermine	3.787	162236	4209.52	6.1	267.93	769880	27.1404 ng/ml
Promethazine	5.552	409021	24380.55	29.5	363.96	731201	24.3161 ng/ml
Pseudoephedrine	2.590	728783	14203.33	17.6	386.76	1468820	24.2893 ng/ml
Quetiapine	5.569	394954	17745.66	58.2	507.77	225227	26.6302 ng/ml
Sertraline	5.796	46304	2605.99	100.0	76834.89	83485	25.4424 ng/ml
Temazepam	5.824	402110	5670.40	27.9	225.85	771874	25.3127 ng/ml
Tramadol	4.251	614542	30996.05	3.5	136.47	1139134	25.6061 ng/ml
Trazodone	5.162	345707	12983.28	79.6	34065.59	616315	25.5430 ng/ml
Venlafaxine	5.050	483016	1046.44	37.6	2286.75	1033558	24.2459 ng/ml
Zolpidem	4.920	597666	4034.90	30.7	131763.78	1090222	26.0774 ng/ml

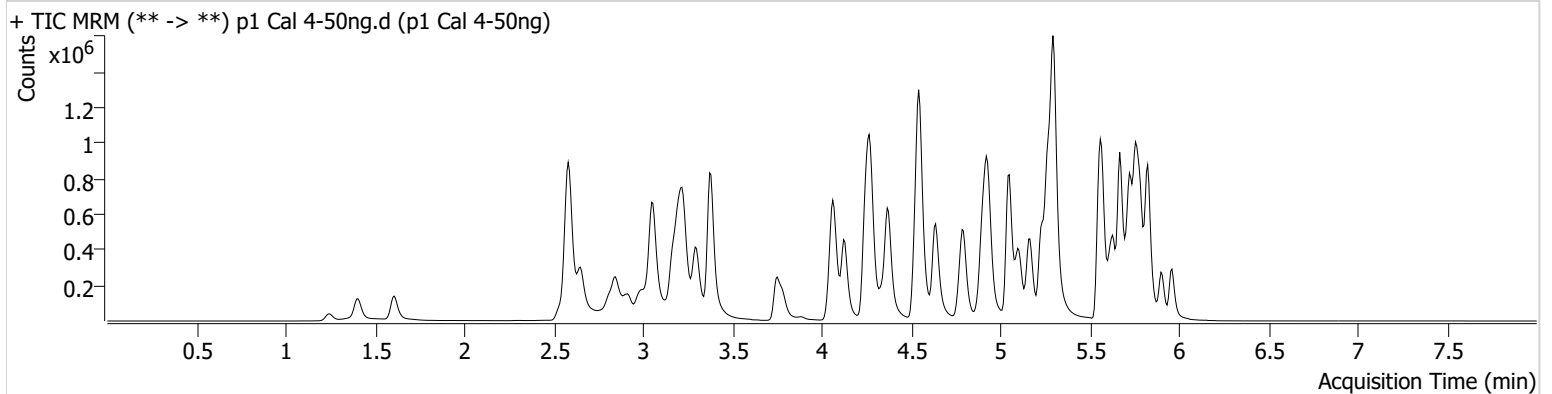
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-E5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 9:21:06 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	10833	1889.17	74.0	15389.99	59341	4.7586 ng/ml
7-aminoclonazepam	4.263	89380	156.29	81.3	73.86	67285	54.8866 ng/ml
a-hydroxyalprazolam	5.699	113747	1413.30	68.7	1520.19	263858	53.8705 ng/ml
alpha-PHP	4.936	193324	2683.76	261.9	69388.02	555873	52.9990 ng/ml
alpha-PVP	4.375	729850	28667.13	51.0	873.07	555873	48.7213 ng/ml
Alprazolam	5.782	357258	4052.72	114.5	2525.89	263858	50.1119 ng/ml
Amphetamine	3.058	1295552	1567.82	47.2	496.77	320495	53.3027 ng/ml
Benzoylcegonine	3.884	15022	200.14	9.0	127.57	10396	48.2618 ng/ml
Buprenorphine	5.853	14091	16703.97	17.0	4892.26	92268	4.6426 ng/ml
Bupropion	4.794	664608	54612.07	64.9	565.29	480615	50.0920 ng/ml
Carisoprodol	5.731	400152	49119.72	51.9	275.31	342107	47.8098 ng/ml
Citalopram	5.225	504186	8605.44	39.1	537.03	451069	49.2917 ng/ml
Clonazepam	5.612	376746	2953.64	34.6	3898.40	102847	53.9573 ng/ml
Clonazepam	5.556	254823	14268.50	36.7	81995.82	102847	52.3756 ng/ml
Cocaine	4.269	464840	469.07	54.8	2287.11	769944	50.1100 ng/ml
Codeine	2.587	56732	159.46	107.6	48.50	62615	52.2337 ng/ml
Cyclobenzaprine	5.635	340139	24180.21	8.2	53303.76	266414	47.7748 ng/ml
Dextromethorphan	5.275	288166	9446.28	81.1	10093.46	240788	49.9502 ng/ml
Dextrophan	4.130	201925	116624.52	207.1	11663.27	421857	48.3582 ng/ml
Diazepam	5.960	212679	402.92	88.2	1334.05	197173	50.7899 ng/ml
Dihydrocodeine	2.566	160384	4446.87	60.6	239.12	180601	53.8653 ng/ml
Diphenhydramine	5.302	1326475	58369.56	32.1	5357.33	1573207	47.4434 ng/ml
Doxylamine	4.542	1423930	32826.50	102.3	2982.41	1257194	50.0014 ng/ml
EDDP	5.267	599993	2070.55	42.1	9147.42	630967	48.5966 ng/ml
Etizolam	5.820	166069	2873.27	25.6	84297.35	102847	46.0786 ng/ml
Fentanyl	5.109	38946	5335.02	71.2	76716.15	411362	4.8528 ng/ml
Flualprazolam	5.712	154724	5513.31	97.4	11251.56	263858	54.5517 ng/ml
Fluoxetine	5.721	229893	24576.89	8.3	32942.03	173526	48.5048 ng/ml
Hydrocodone	3.027	244133	245.51	34.7	441.07	272503	52.2285 ng/ml
Hydromorphone	1.608	194294	28.66	74.7	346134.32	120841	48.3294 ng/ml
Ketamine	4.056	498911	10038.55	38.0	2667.71	429186	52.3190 ng/ml
Lamotrigine	4.285	41522	2788.70	87.8	1786.41	429186	52.2383 ng/ml
Levetiracetam	2.651	238536	412.63	155.3	2812.81	1262788	50.7287 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	323842	4549.54	50.5	693.69	102847	53.0555 ng/ml
MDA	3.199	777243	1892.56	30.8	815.48	447000	56.4741 ng/ml
MDMA	3.299	466277	1098.70	98.5	3410.45	108563	48.8422 ng/ml
Meprobamate	4.903	247246	49079.16	27.2	225.89	255603	53.1628 ng/ml
Methadone	5.666	810571	901.94	50.5	1506.11	678950	46.8128 ng/ml
Methamphetamine	3.227	1042673	439.08	39.0	3965.67	816845	53.2631 ng/ml
Metoprolol	4.338	138308	985.31	84.4	2086.08	1007758	53.2519 ng/ml
Mirtazapine	4.636	955609	41790.31	46.5	5333.22	555873	48.2199 ng/ml
Mitragynine	5.243	158522	4930.27	39.1	6245.03	678950	51.2949 ng/ml
Morphine	1.247	32058	1259.31	32.8	409.93	15836	51.0316 ng/ml
Norbuprenorphine	4.998	1840	1522.59	106.6	6592.88	17478	4.9187 ng/ml
Nordiazepam	5.907	229681	11365.02	59.4	1319.56	150780	51.9726 ng/ml
Norfentanyl	4.090	113273	137.79	33.8	365.47	934288	4.7487 ng/ml
Norhydrocodone	3.075	38528	122.35	38.9	102.02	65479	47.9762 ng/ml
Noroxycodone	2.918	229868	301.29	48.5	845.34	153129	48.9544 ng/ml
O-desmethyl-tramadol	3.379	1043512	29139.29	6.4	1390.02	1116327	48.8359 ng/ml
Oxazepam	5.756	432260	8143.76	73.0	206.66	456212	53.2458 ng/ml
Oxycodone	2.843	459173	2904.23	29.1	894.93	329018	53.9058 ng/ml
Oxymorphone	1.405	207496	∞	43.7	331.43	140364	51.4511 ng/ml
Phentermine	3.787	281371	467.63	6.0	322.72	678558	54.4369 ng/ml
Promethazine	5.552	640087	56754.11	29.4	546.13	562526	49.2077 ng/ml
Pseudoephedrine	2.590	1246709	29306.33	17.4	448.17	1262788	48.0489 ng/ml
Quetiapine	5.569	662566	439.59	59.5	∞	194881	52.2350 ng/ml
Sertraline	5.796	62531	2198.41	107.7	41558.14	60917	46.4171 ng/ml
Temazepam	5.824	678693	848.36	27.2	4629.48	651422	51.0981 ng/ml
Tramadol	4.251	1078757	52623.22	3.6	241.46	1007758	51.1750 ng/ml
Trazodone	5.162	565129	38934.22	79.5	2850.71	498673	52.2547 ng/ml
Venlafaxine	5.050	864412	99086.16	37.2	1124.52	923787	48.3081 ng/ml
Zolpidem	4.920	1061082	78023.98	30.2	2093.43	942014	54.3063 ng/ml

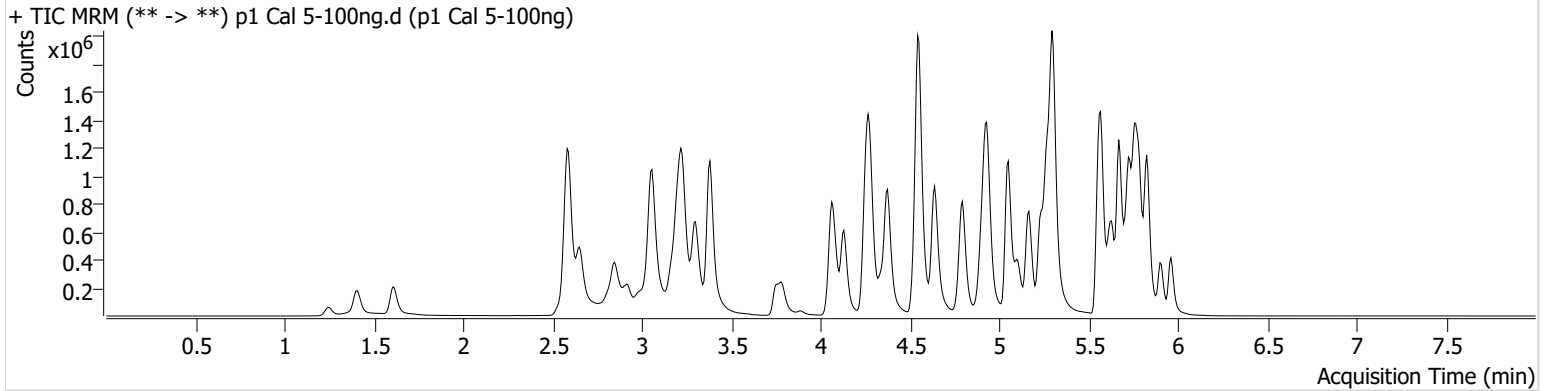


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P6-D5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/26/2022 9:31:42 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	20022	2202.76	74.2	413.05	53173	9.8473 ng/ml
7-aminoclonazepam	4.270	140521	3972.54	78.1	655.12	52999	111.8099 ng/ml
a-hydroxyalprazolam	5.699	191241	779.80	66.6	7807.99	232102	103.9353 ng/ml
alpha-PHP	4.943	320885	43116.86	259.4	32055.70	472770	104.2200 ng/ml
alpha-PVP	4.375	1249415	28083.20	51.1	93900.70	472770	97.8614 ng/ml
Alprazolam	5.782	606968	1000.82	114.8	1433.36	232102	96.4989 ng/ml
Amphetamine	3.058	2169500	1852.74	47.7	967.35	290807	99.0469 ng/ml
Benzoylecgonine	3.884	27885	2394.41	8.3	8860.90	9656	96.4082 ng/ml
Buprenorphine	5.853	23468	48605.49	15.4	5858.70	72619	9.7730 ng/ml
Bupropion	4.794	1183223	108513.96	65.5	1685.98	424305	101.2531 ng/ml
Carisoprodol	5.731	663991	32134.43	52.1	1888.52	286274	93.6234 ng/ml
Citalopram	5.232	822245	971.69	39.0	316.62	364641	99.2744 ng/ml
Clonazepam	5.612	646952	558.57	35.1	499469.19	89051	107.7498 ng/ml
Clonazepam	5.556	429114	2665.96	37.1	230690.39	89051	102.6873 ng/ml
Cocaine	4.276	790187	428606.94	55.3	1484.37	655662	100.1088 ng/ml
Codeine	2.587	99647	402.45	103.0	603909.63	53127	109.4569 ng/ml
Cyclobenzaprine	5.635	533252	20510.98	8.5	882.42	210165	94.4322 ng/ml
Dextromethorphan	5.275	465177	25906.62	82.1	341.37	198000	98.2075 ng/ml
Dextrophan	4.130	350222	622.40	205.3	19125.55	361804	97.7199 ng/ml
Diazepam	5.960	362632	1023.67	88.2	1844.81	168544	101.4986 ng/ml
Dihydrocodeine	2.566	278159	4319.08	60.7	7902.32	163011	103.9954 ng/ml
Diphenhydramine	5.302	2245365	24977.92	31.9	460.43	1283063	98.0983 ng/ml
Doxylamine	4.548	2481570	121746.73	100.4	152640.37	1093669	100.2962 ng/ml
EDDP	5.267	905734	10928.44	42.1	8964.42	478539	96.5206 ng/ml
Etizolam	5.820	290378	2650.06	24.9	3563.56	89051	92.6877 ng/ml
Fentanyl	5.109	64477	682.44	68.8	81607.78	340699	9.6896 ng/ml
Flualprazolam	5.712	262971	4796.72	98.2	22586.42	232102	106.1532 ng/ml
Fluoxetine	5.728	358784	43194.64	8.3	22984.40	135197	96.8892 ng/ml
Hydrocodone	3.027	433408	∞	33.9	61.15	241195	105.6905 ng/ml
Hydromorphone	1.608	353300	1669.85	72.0	1251314.50	106351	99.4180 ng/ml
Ketamine	4.063	870983	26886.17	38.4	529.14	382534	103.0970 ng/ml
Lamotrigine	4.285	70469	4022.99	89.9	8288.52	382534	100.3599 ng/ml
Levetiracetam	2.651	419961	4139.40	155.3	469.75	1096937	102.7910 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	499325	1716.05	50.7	1926.08	89051	95.5029 ng/ml
MDA	3.199	1305125	1498.30	30.9	2560.31	387900	110.5976 ng/ml
MDMA	3.299	810993	1319.05	99.5	5738.93	93179	98.8983 ng/ml
Meprobamate	4.903	414133	463.71	27.4	4388.02	224755	102.2742 ng/ml
Methadone	5.666	1328479	1118.97	51.3	2461.13	561730	91.4166 ng/ml
Methamphetamine	3.227	1806408	1155.14	38.9	576.32	729063	104.5048 ng/ml
Metoprolol	4.338	241238	315038.33	84.5	1096.36	878379	107.5818 ng/ml
Mirtazapine	4.636	1633588	16526.58	46.1	52771.44	472770	96.3980 ng/ml
Mitragynine	5.243	255309	1036.73	38.5	1434.00	561730	99.7570 ng/ml
Morphine	1.247	56520	819.60	32.9	218.00	14936	95.5637 ng/ml
Norbuprenorphine	5.005	3071	984.83	114.1	3752.65	15234	9.6372 ng/ml
Nordiazepam	5.907	383263	1569.04	59.8	960.61	127573	102.7843 ng/ml
Norfentanyl	4.090	201847	25864.24	33.0	302.38	823083	9.5441 ng/ml
Norhydrocodone	3.075	63918	248.50	39.3	115.24	54437	94.6622 ng/ml
Noroxycodone	2.918	394426	2165.30	45.8	5753.69	132229	97.5086 ng/ml
O-desmethyl-tramadol	3.379	1853411	39658.43	6.5	481.41	982322	98.3465 ng/ml
Oxazepam	5.763	698322	7031.42	72.3	585.79	377110	104.5588 ng/ml
Oxycodone	2.843	795043	388.54	29.4	1284.74	287814	107.5348 ng/ml
Oxymorphone	1.405	359032	∞	44.0	222.80	117623	106.6442 ng/ml
Phentermine	3.787	492289	10916.23	5.9	1287.46	612094	106.5868 ng/ml
Promethazine	5.552	1008854	859.66	30.2	6551.77	456087	95.4239 ng/ml
Pseudoephedrine	2.590	2216562	1071.71	17.3	36345.72	1096937	98.0460 ng/ml
Quetiapine	5.569	1110594	47780.15	59.1	625832.57	167058	102.7539 ng/ml
Sertraline	5.796	103283	929.62	102.8	19679.27	47904	96.6287 ng/ml
Temazepam	5.824	1095696	4306.84	27.8	1507.00	527778	102.2913 ng/ml
Tramadol	4.257	1862077	1345.90	3.6	179.77	878379	101.7112 ng/ml
Trazodone	5.162	951476	790.00	78.6	83860.00	422204	104.5418 ng/ml
Venlafaxine	5.050	1476926	59214.50	38.2	12952.01	793734	95.8273 ng/ml
Zolpidem	4.920	1803094	8651.99	30.0	486.67	825354	105.9721 ng/ml

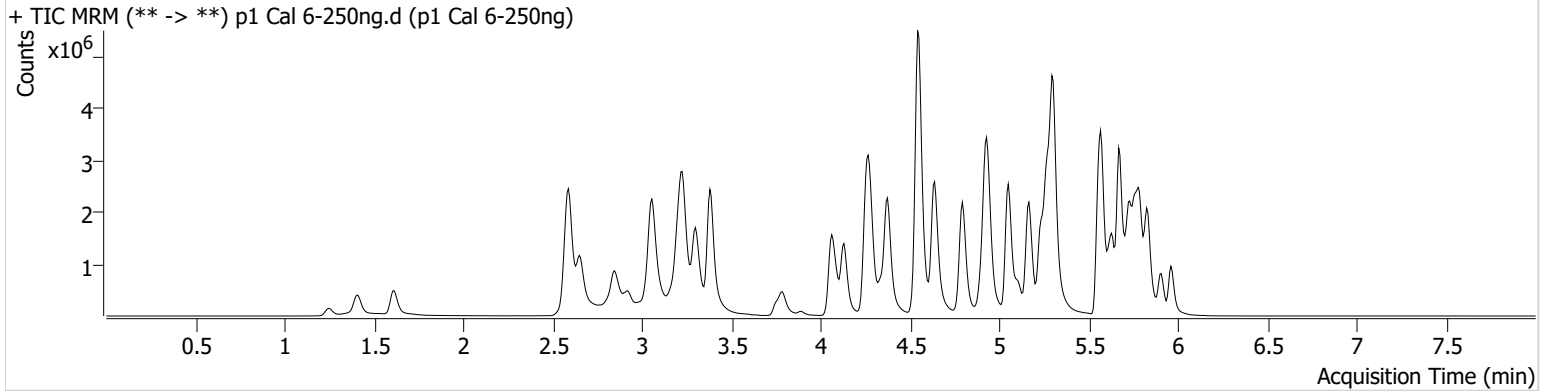
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-C5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 9:42:18 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	56984	955.25	73.2	1474.09	59090	25.2656 ng/ml
7-aminoclonazepam	4.270	417850	6395.06	78.3	127.88	66053	269.9110 ng/ml
a-hydroxyalprazolam	5.699	365810	969.23	69.0	∞	224058	206.9946 ng/ml
alpha-PHP	4.943	879727	45360.78	259.7	114402.51	528648	256.7268 ng/ml
alpha-PVP	4.375	3607488	3752.12	50.9	97544.36	528648	252.3741 ng/ml
Alprazolam	5.782	1575920	∞	113.2	∞	224058	259.0216 ng/ml
Amphetamine	3.058	5046055	838.26	47.4	659.43	309010	217.7517 ng/ml
Benzoylcegonine	3.890	77546	396.04	8.0	24946.75	10274	251.8929 ng/ml
Buprenorphine	5.853	76963	133737.79	15.7	12775.90	89436	25.9475 ng/ml
Bupropion	4.794	3463252	155226.93	64.4	49580.29	493239	255.3000 ng/ml
Carisoprodol	5.731	1396802	154719.20	53.0	31015.54	237243	235.8046 ng/ml
Citalopram	5.232	2303205	63794.70	39.5	2605.73	405097	250.0604 ng/ml
Clonazepam	5.612	1474595	1035.07	34.9	164723.71	86650	253.4121 ng/ml
Clonazepam	5.556	880318	17387.50	38.5	14945.94	86650	217.4680 ng/ml
Cocaine	4.276	2031853	84133.23	55.9	4750.94	677409	249.2696 ng/ml
Codeine	2.587	236475	5778.86	102.9	8471.00	54202	256.2454 ng/ml
Cyclobenzaprine	5.635	1556326	62507.18	8.1	297.15	232968	247.7814 ng/ml
Dextromethorphan	5.275	1236887	36729.11	78.4	72659.34	206757	250.3098 ng/ml
Dextrophan	4.130	987135	647.81	204.8	201290.25	395013	252.1626 ng/ml
Diazepam	5.960	980319	231.88	89.0	10931.23	181298	255.3679 ng/ml
Dihydrocodeine	2.566	716810	325.00	61.1	308.98	176521	248.2249 ng/ml
Diphenhydramine	5.302	6386946	95536.61	31.3	21639.87	1399541	255.2629 ng/ml
Doxylamine	4.542	7410238	418305.85	98.0	4025.80	1236917	265.0174 ng/ml
EDDP	5.267	2763232	429.26	42.5	36064.32	576515	244.1039 ng/ml
Etizolam	5.820	748264	10594.98	25.3	15461.41	86650	244.8761 ng/ml
Fentanyl	5.109	205378	8787.01	70.5	323467.39	419289	25.0619 ng/ml
Flualprazolam	5.712	613740	709.57	104.2	16448.95	224058	257.7837 ng/ml
Fluoxetine	5.728	890677	19524.13	8.6	617.00	130842	248.1094 ng/ml
Hydrocodone	3.027	1088962	639.71	34.7	165.14	257284	250.2056 ng/ml
Hydromorphone	1.615	936663	1851774.71	74.0	908.86	110555	252.9174 ng/ml
Ketamine	4.063	2366199	78175.39	38.4	1654.03	426198	252.3214 ng/ml
Lamotrigine	4.292	170612	16298.28	88.7	601.94	426198	219.2415 ng/ml
Levetiracetam	2.658	1031800	2454.47	155.5	21897.83	1113041	248.8589 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	798874	19785.35	52.0	1666.96	86650	157.8772 ng/ml
MDA	3.205	2875089	8343.46	30.1	5695.16	377207	252.3308 ng/ml
MDMA	3.299	2168028	2660.67	99.8	2871.97	97207	253.3101 ng/ml
Meprobamate	4.903	869112	47433.77	26.8	396.02	226152	214.5169 ng/ml
Methadone	5.666	4126173	88228.26	49.0	85578.34	650837	242.8032 ng/ml
Methamphetamine	3.227	4885260	2044.31	38.5	2360.69	849052	244.2520 ng/ml
Metoprolol	4.338	606536	4567.55	86.6	6836.52	909604	262.6553 ng/ml
Mirtazapine	4.636	4745970	178454.25	45.1	184434.80	528648	249.6317 ng/ml
Mitragynine	5.243	748696	152632.60	38.2	102510.69	650837	252.3319 ng/ml
Morphine	1.247	147246	3362.10	32.8	897.13	14132	263.4614 ng/ml
Norbuprenorphine	5.005	9486	798.27	110.3	609.93	17926	25.6853 ng/ml
Nordiazepam	5.907	965109	13943.62	59.7	589.26	130501	253.4429 ng/ml
Norfentanyl	4.090	543936	29042.65	33.7	263.12	838228	25.1564 ng/ml
Norhydrocodone	3.075	162174	199.54	40.0	103.97	50164	258.7417 ng/ml
Noroxycodone	2.918	886764	18247.28	47.2	4411.97	114925	252.6042 ng/ml
O-desmethyl-tramadol	3.379	5151037	544457.13	6.5	11137.08	1065550	251.6329 ng/ml
Oxazepam	5.763	1256184	17020.02	73.4	6946.90	281036	253.1197 ng/ml
Oxycodone	2.843	2065709	5488.85	29.6	759.87	322223	250.6919 ng/ml
Oxymorphone	1.405	950419	∞	43.5	295.21	130338	255.2931 ng/ml
Phentermine	3.787	1193136	∞	5.9	1665.36	666103	238.6914 ng/ml
Promethazine	5.552	3027742	2846.56	28.9	6436.06	519043	251.2426 ng/ml
Pseudoephedrine	2.590	5687049	91509.14	17.1	52084.07	1113041	247.4829 ng/ml
Quetiapine	5.569	3059837	5089.47	59.0	37661.66	183733	258.3760 ng/ml
Sertraline	5.796	297672	5791.32	100.1	1283.11	54110	245.3311 ng/ml
Temazepam	5.831	2399563	190184.25	26.9	1178.74	463111	256.0076 ng/ml
Tramadol	4.251	4897745	∞	3.6	404.34	909604	258.9169 ng/ml
Trazodone	5.162	2838589	941.14	79.7	115434.95	516679	255.7713 ng/ml
Venlafaxine	5.050	4231422	35018.15	37.2	2302.91	861851	252.4578 ng/ml
Zolpidem	4.920	4978142	4884.73	28.9	45783.84	933071	259.7921 ng/ml



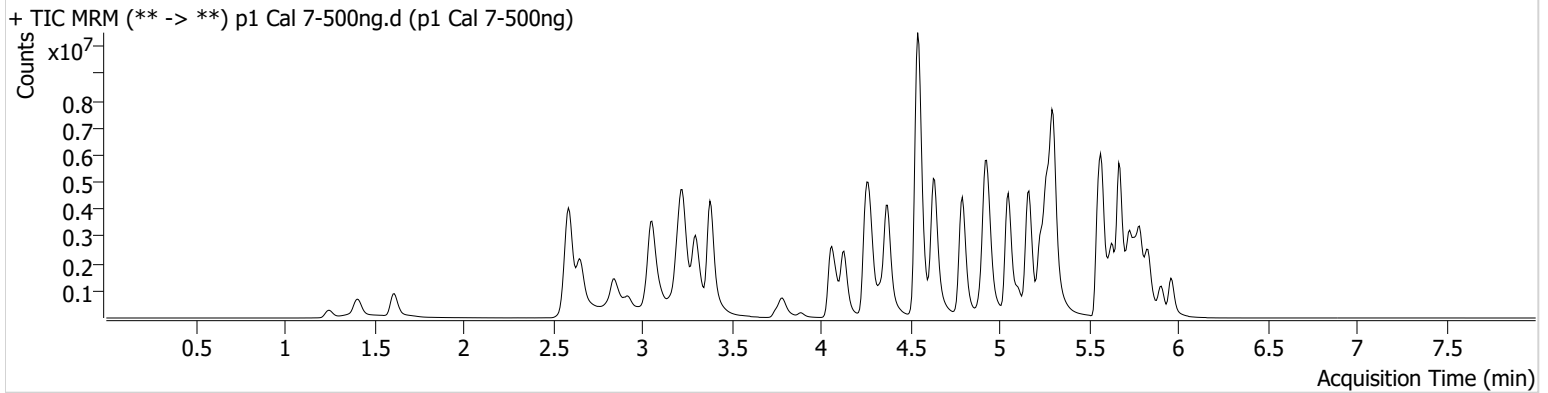
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-B5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 9:52:54 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	122916	1739.94	70.3	4007.38	63326	50.8833 ng/ml
7-aminoclonazepam	4.270	625852	4621.55	74.0	3671.04	57849	463.2160 ng/ml
a-hydroxyalprazolam	5.699	449967	1032.90	68.7	1312.50	188443	303.2296 ng/ml
alpha-PHP	4.943	1601036	1341.69	263.0	229508.71	521931	473.9337 ng/ml
alpha-PVP	4.375	7268190	1427.66	50.4	1523.36	521931	514.8044 ng/ml
Alprazolam	5.782	2633936	1461.87	109.7	843.81	188443	514.4347 ng/ml
Amphetamine	3.058	8441150	69763.75	47.0	129139.80	322376	349.6393 ng/ml
Benzoylecgonine	3.890	175978	263.39	8.5	3075.41	11967	490.7183 ng/ml
Buprenorphine	5.853	162703	17743.79	15.7	61862.26	87170	56.2264 ng/ml
Bupropion	4.794	7508070	∞	63.9	29931.78	545865	500.3359 ng/ml
Carisoprodol	5.737	1929267	77012.94	52.8	∞	154990	497.1977 ng/ml
Citalopram	5.225	4171067	203693.20	39.6	72762.51	362504	505.8975 ng/ml
Clonazepam	5.612	2105645	41365.02	35.5	16330.79	68607	457.6256 ng/ml
Clonazepam	5.556	1119890	31898.20	38.6	591380.41	68607	349.9332 ng/ml
Cocaine	4.276	3732796	58773.56	55.5	106497.43	621715	499.0450 ng/ml
Codeine	2.587	404336	10979.88	98.9	11799.28	52114	456.6600 ng/ml
Cyclobenzaprine	5.635	3338813	2829.86	7.7	5948.76	232608	531.7966 ng/ml
Dextromethorphan	5.275	2074253	25285.85	80.8	88144.41	171392	506.5426 ng/ml
Dextrophan	4.130	1922812	∞	208.2	42733.58	380588	509.7231 ng/ml
Diazepam	5.960	1684890	329.94	89.5	14623.11	160197	496.8959 ng/ml
Dihydrocodeine	2.559	1382959	18622.16	61.4	17606.97	195028	433.8626 ng/ml
Diphenhydramine	5.302	12023154	127491.67	31.4	58363.58	1262085	532.4805 ng/ml
Doxylamine	4.542	15175656	419078.15	99.1	222364.86	1319922	508.7226 ng/ml
EDDP	5.267	5854716	∞	41.0	31390.22	574127	519.1219 ng/ml
Etizolam	5.820	1270564	16600.34	25.0	1761.94	68607	524.7423 ng/ml
Fentanyl	5.109	494443	16227.61	68.4	623247.54	493199	51.2829 ng/ml
Flualprazolam	5.712	941083	9966.77	105.8	24684.58	188443	470.6434 ng/ml
Fluoxetine	5.728	1663282	29529.61	8.4	216599.80	118360	511.8997 ng/ml
Hydrocodone	3.027	2132767	205.95	36.2	521.43	263975	478.4580 ng/ml
Hydromorphone	1.615	1896228	9485679.91	72.8	9141788.28	111919	505.3698 ng/ml
Ketamine	4.056	4819946	375740.33	37.2	660.93	446396	491.3350 ng/ml
Lamotrigine	4.292	282096	15171.22	90.3	37324.60	446396	346.6703 ng/ml
Levetiracetam	2.658	1934005	12724.20	159.6	34949.18	1034169	502.0118 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	874006	115641.69	51.6	2931.31	68607	218.6495 ng/ml
MDA	3.199	4208366	57627.31	29.7	2601.02	329847	423.3272 ng/ml
MDMA	3.299	4187440	1615.27	100.0	80249.32	95241	499.2817 ng/ml
Meprobamate	4.903	1245987	∞	26.6	25614.01	205943	338.3553 ng/ml
Methadone	5.666	8100779	199928.55	47.8	1998.08	610344	506.8448 ng/ml
Methamphetamine	3.227	9648687	1002.36	37.1	27784.27	939078	437.0981 ng/ml
Metoprolol	4.338	1073602	1193957.02	86.9	22425.76	901585	469.8488 ng/ml
Mirtazapine	4.636	9753561	173842.26	44.8	159688.60	521931	519.0673 ng/ml
Mitragynine	5.243	1349204	179440.06	38.7	76501.07	610344	484.7957 ng/ml
Morphine	1.247	295429	1081.67	32.8	3486.76	15452	483.6169 ng/ml
Norbuprenorphine	5.005	21426	56038.43	103.6	1796.05	20712	50.4405 ng/ml
Nordiazepam	5.907	1481250	1177.67	59.1	724.83	104603	485.5566 ng/ml
Norfentanyl	4.090	1117825	67947.03	34.4	7511.65	757242	57.1509 ng/ml
Norhydrocodone	3.075	333070	1018.59	40.0	224.09	45769	581.0733 ng/ml
Noroxycodone	2.918	1445940	∞	47.5	256.78	91722	516.3299 ng/ml
O-desmethyl-tramadol	3.379	10434361	275707.87	6.5	97006.45	1061659	511.3684 ng/ml
Oxazepam	5.756	1343429	∞	73.9	8910.02	162629	468.2320 ng/ml
Oxycodone	2.836	3944328	46816.83	29.0	1287.40	338325	456.5966 ng/ml
Oxymorphone	1.405	1939860	3360.61	42.5	1380.65	135407	501.9287 ng/ml
Phentermine	3.787	2182137	∞	5.9	1873.54	714556	407.6945 ng/ml
Promethazine	5.552	6430373	1595.99	28.2	∞	533113	519.2469 ng/ml
Pseudoephedrine	2.590	11153131	142049.54	16.9	53287.62	1034169	522.0496 ng/ml
Quetiapine	5.569	5591284	834971.30	59.9	88750.34	181167	479.3711 ng/ml
Sertraline	5.796	473483	571.56	99.4	37279.84	42528	495.6897 ng/ml
Temazepam	5.831	3192597	28645.60	27.4	2202.11	318271	496.0695 ng/ml
Tramadol	4.251	9289112	∞	3.5	862.59	901585	495.7724 ng/ml
Trazodone	5.162	6256625	106691.90	80.5	103785.78	600431	485.6883 ng/ml
Venlafaxine	5.050	8608873	133917.91	36.0	16444.29	840861	526.1911 ng/ml
Zolpidem	4.920	9472922	439039.27	27.9	128474.20	980054	471.2183 ng/ml

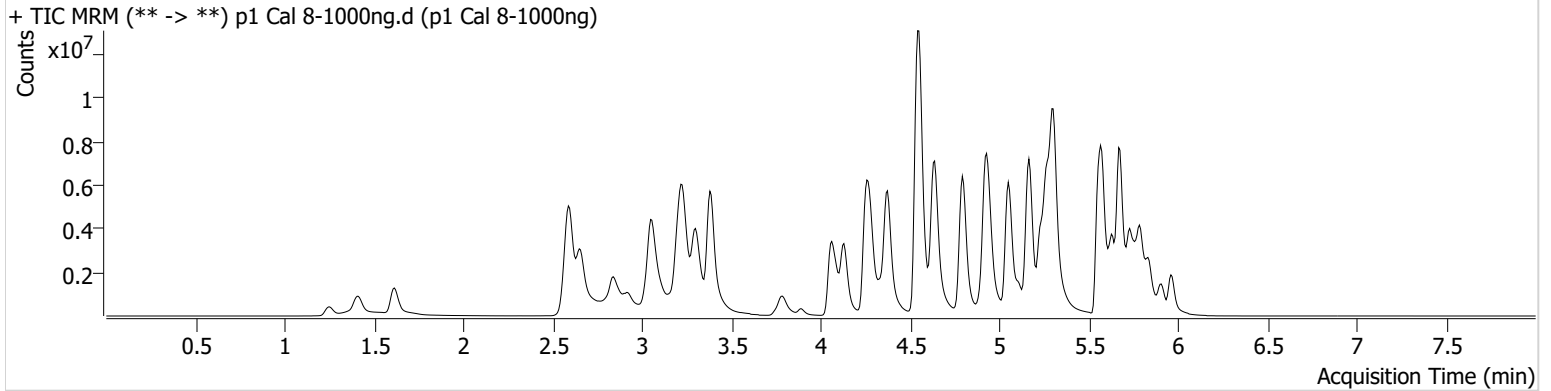
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\042622 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/28/2022 2:11:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-A5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/26/2022 10:03:30 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	190950	12273.97	71.4	543444.41	48221	103.8390 ng/ml
7-aminoclonazepam	4.270	728579	1064.95	78.9	1087.08	37902	824.8061 ng/ml
a-hydroxyalprazolam	5.699	485554	780.08	68.3	322.15	129405	477.1047 ng/ml
alpha-PHP	4.943	2178015	1696.69	265.2	298508.09	380017	886.2152 ng/ml
alpha-PVP	4.375	10650859	780.65	50.6	2903.99	380017	1035.9160 ng/ml
Alprazolam	5.782	3477948	617.50	108.8	563.17	129405	988.9012 ng/ml
Amphetamine	3.058	10854420	55045.88	47.4	82537.91	245623	590.6395 ng/ml
Benzoylecgonine	3.890	321689	11176.86	8.3	7049.14	10602	1012.4839 ng/ml
Buprenorphine	5.853	253117	73460.79	15.7	188991.76	60432	126.1174 ng/ml
Bupropion	4.794	11306136	156880.03	64.4	484102.72	425956	965.7522 ng/ml
Carisoprodol	5.737	2123441	103654.80	52.8	20665.42	82628	1025.2121 ng/ml
Citalopram	5.225	5392014	160319.64	38.9	72533.88	229453	1033.0321 ng/ml
Clonazepam	5.612	2451574	18110.15	35.0	20244.44	42481	861.1473 ng/ml
Clonazepam	5.556	1141360	50001.49	38.4	111678.48	42481	576.5411 ng/ml
Cocaine	4.276	5168444	62516.11	54.7	81664.97	422918	1015.8641 ng/ml
Codeine	2.587	536795	3626.41	101.7	11032.05	37566	842.0805 ng/ml
Cyclobenzaprine	5.635	4973339	3452.39	7.6	899.69	166907	1103.3969 ng/ml
Dextromethorphan	5.275	2668512	38891.34	80.3	24914.35	110549	1010.4703 ng/ml
Dextrophan	4.130	2776579	314404.31	210.9	∞	268140	1044.6480 ng/ml
Diazepam	5.960	2389214	10760.67	88.1	25368.38	116930	965.5150 ng/ml
Dihydrocodeine	2.559	1953230	20486.68	62.7	6972.45	161735	739.2803 ng/ml
Diphenhydramine	5.302	16131338	168535.65	32.4	28936.89	876852	1027.9745 ng/ml
Doxylamine	4.548	21203493	227221.18	99.0	118378.14	1004233	934.3369 ng/ml
EDDP	5.267	8807833	127755.33	40.7	42421.35	421428	1063.7194 ng/ml
Etizolam	5.827	1742215	82318.47	25.2	549308.20	42481	1161.6150 ng/ml
Fentanyl	5.109	863813	6036.79	68.6	671300.14	419948	105.2098 ng/ml
Flualprazolam	5.712	1166798	7538.33	105.6	56771.48	129405	850.3958 ng/ml
Fluoxetine	5.728	2519118	672061.33	8.2	11908.63	83399	1099.9882 ng/ml
Hydrocodone	3.027	3065166	220.84	35.1	184.11	202666	896.4582 ng/ml
Hydromorphone	1.615	2944276	14364057.40	72.3	19483537.9	87230	1006.3763 ng/ml
Ketamine	4.063	6973018	95954.49	37.3	37503.43	345827	918.0880 ng/ml
Lamotrigine	4.292	350110	649.13	90.6	20042.07	345827	555.9679 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.658	2773562	19042.74	162.0	77735.95	712569	1044.8363 ng/ml
Lorazepam	5.754	881505	56384.64	52.6	2551.81	42481	356.9746 ng/ml
MDA	3.199	5226052	47571.41	29.1	899.91	212871	815.8838 ng/ml
MDMA	3.299	5959489	32043.10	100.7	4027.86	65355	1035.4122 ng/ml
Meprobamate	4.903	1425991	22831.63	26.8	1300.34	156253	510.9448 ng/ml
Methadone	5.673	11760302	775.90	49.0	212093.76	443065	1012.2752 ng/ml
Methamphetamine	3.227	13548737	99992.25	36.9	96262.63	765515	753.7921 ng/ml
Metoprolol	4.338	1397065	9591.39	87.8	37416.41	672634	820.2763 ng/ml
Mirtazapine	4.636	14367232	234095.80	44.2	112912.94	380017	1049.6011 ng/ml
Mitragynine	5.243	1901928	127194.78	38.7	47982.57	443065	941.3233 ng/ml
Morphine	1.253	481395	873.55	31.5	∞	12351	986.1024 ng/ml
Norbuprenorphine	5.005	34583	111584.00	104.4	220.80	16300	103.7040 ng/ml
Nordiazepam	5.907	1846685	83816.63	58.8	6796.87	67650	936.2844 ng/ml
Norfentanyl	4.090	1692380	41275.24	33.9	37901.78	504643	129.7606 ng/ml
Norhydrocodone	3.075	503808	242.58	41.0	∞	31821	1262.9465 ng/ml
Noroxycodone	2.918	1866895	2278.36	47.9	3005.30	60083	1017.9380 ng/ml
O-desmethyl-tramadol	3.379	15652535	∞	6.4	958.76	776248	1048.9169 ng/ml
Oxazepam	5.756	1300993	10404.21	72.5	3361.99	80923	911.7597 ng/ml
Oxycodone	2.829	5445393	∞	29.1	428.74	246462	866.0754 ng/ml
Oxymorphone	1.405	2599443	∞	45.4	∞	102091	892.3815 ng/ml
Phentermine	3.787	3037575	∞	5.8	3065.57	573813	707.4994 ng/ml
Promethazine	5.552	10255500	18392.41	27.9	3161.31	422266	1045.2584 ng/ml
Pseudoephedrine	2.597	15415147	211762.08	16.7	95398.58	712569	1046.9085 ng/ml
Quetiapine	5.569	7515078	252212.72	60.0	70684.17	132586	880.9314 ng/ml
Sertraline	5.796	762788	49079.95	99.1	19805.48	33438	1014.8452 ng/ml
Temazepam	5.837	3487284	29119.43	27.1	2229.14	173462	994.6874 ng/ml
Tramadol	4.251	12796484	∞	3.5	8785.59	672634	915.7488 ng/ml
Trazodone	5.162	9929583	318921.35	80.0	178373.70	519507	891.4129 ng/ml
Venlafaxine	5.050	12585589	4887.09	35.6	9329.81	611099	1058.2403 ng/ml
Zolpidem	4.920	13114515	224393.73	28.2	90156.41	756253	845.9668 ng/ml