





CS

**REVIEWED**  
By Sarah Collins at 11:38 am, Jul 22, 2022

7/20/2022

**Worklist: 6034**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-2493	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2512	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2522	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1793	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1803	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1837	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1838	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1854	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1878	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1888	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1921	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1946	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1962	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1972	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1973	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1986	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1987	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1988	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1989	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1990	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1992	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6034**

CS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-1997	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 07/18/2022

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 22B2015-1

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

**LCMS-QQ 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.
- 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 18. 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, Clonazolam 5-250, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-250, Meprobamate 5-250, Methamphetamine 5-500, Metoprolol 5-500, Norfentanyl 0.5-50, Norhydrocodone 5-500, Oxycodone 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									P2022-1988-1	P2022-1888-1	M2022-2512-1	IS + Cal. 8
B									P2022-1987-1	P2022-1878-1	M2022-2493-1	IS + Cal. 7
C									P2022-1986-1	P2022-1854-2	Neg Ctrl	IS + Cal. 6
D									P2022-1973-1	P2022-1838-1	IS + QC_2	IS + Cal. 5
E								P2022-1997-1	P2022-1972-1	P2022-1837-1	IS + QC_4	IS + Cal. 4
F								P2022-1992-2	P2022-1962-1	P2022-1803-1	IS + QC_3	IS + Cal. 3
G								P2022-1990-1	P2022-1946-1	P2022-1793-1	IS + QC_2	IS + Cal. 2
H								P2022-1989-1	P2022-1921-1	M2022-2522-2	IS + QC_1	IS + Cal. 1

QC in well D11 was not used.

CS 7/22/22

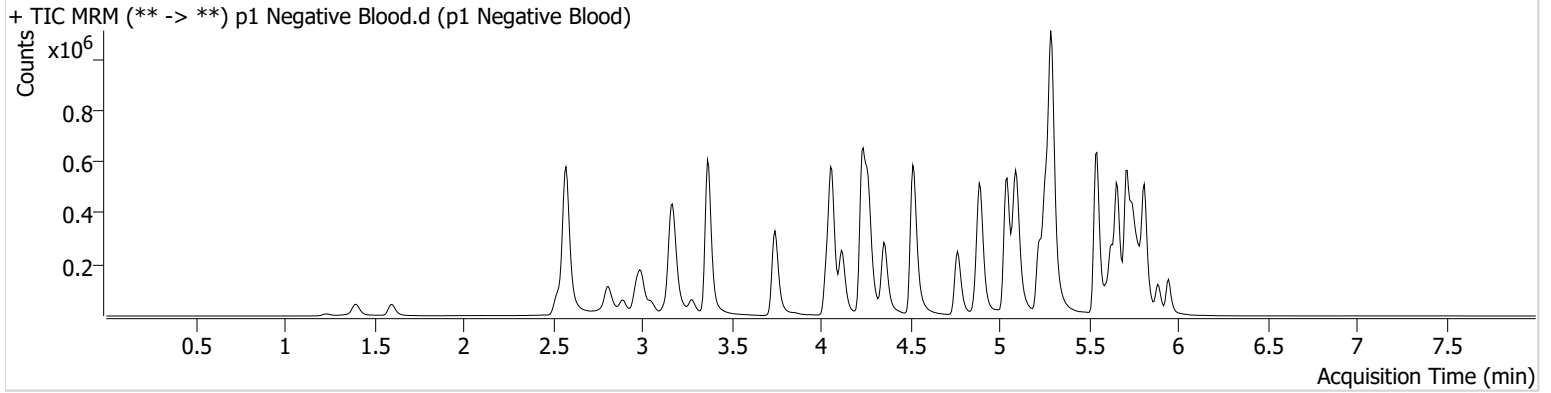
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 2:29:28 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



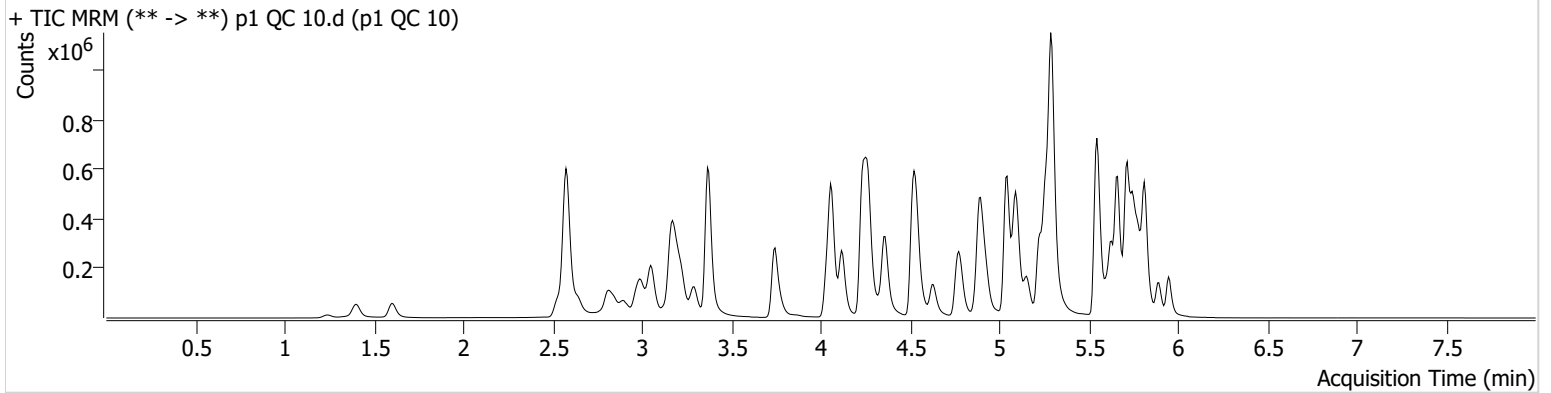
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 1:04:36 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	2388	2610.34	67.6	3750.62	60098	1.0125 ng/ml
7-aminoclonazepam	4.256	41315	274.55	74.5	119.25	150377	10.5115 ng/ml
a-hydroxyalprazolam	5.692	21279	453.41	69.7	568.32	268888	10.1573 ng/ml
alpha-PHP	4.929	46366	452.87	256.3	2488.92	610766	10.3408 ng/ml
alpha-PVP	4.368	162754	368.17	50.7	4681.58	610766	9.7504 ng/ml
Alprazolam	5.769	76458	986.48	109.0	396.49	268888	9.9560 ng/ml
Amphetamine	3.051	313346	648.93	46.9	1311.75	325499	10.4299 ng/ml
Benzoylcegonine	3.877	2912	93.58	7.6	41.04	9047	10.2439 ng/ml
Buprenorphine	5.826	3943	318.88	18.1	75.97	139036	0.9497 ng/ml
Bupropion	4.787	161040	2336.03	69.8	836.12	573206	9.5194 ng/ml
Carisoprodol	5.724	83292	6518.17	62.3	126.36	373880	10.1368 ng/ml
Citalopram	5.225	135134	320.37	34.0	718.09	580276	10.3274 ng/ml
Clonazepam	5.605	78840	3772.55	35.2	3997.35	106750	10.3824 ng/ml
Clonazepam	5.549	54745	74204.21	36.6	4343.88	106750	10.2735 ng/ml
Cocaine	4.262	102615	252.79	58.5	4044.87	838328	9.8979 ng/ml
Codeine	2.587	13106	893.55	101.5	358.49	61984	10.9537 ng/ml
Cyclobenzaprine	5.628	107158	312.52	8.2	78.90	438286	9.6809 ng/ml
Dextromethorphan	5.268	73908	5747.69	83.4	1792.21	301274	10.1481 ng/ml
Dextrophan	4.123	44747	492.91	197.5	402.82	453471	9.9287 ng/ml
Diazepam	5.954	53599	382.57	87.3	167.91	227177	10.9006 ng/ml
Dihydrocodeine	2.559	31874	3368.48	68.3	1554.43	186217	10.4198 ng/ml
Diphenhydramine	5.295	349846	314.16	31.7	3918.65	2045643	10.3540 ng/ml
Doxylamine	4.535	310362	2431.01	99.9	2037.84	1372093	9.8143 ng/ml
EDDP	5.261	130486	770.04	41.5	53012.99	711345	9.5663 ng/ml
Etizolam	5.814	38262	2181.92	25.9	3490.97	106750	9.9400 ng/ml
Fentanyl	5.102	12522	329.78	67.3	125.77	649268	1.0042 ng/ml
Flualprazolam	5.699	31544	397.32	99.1	1922.23	268888	10.7687 ng/ml
Fluoxetine	5.714	154676	505.87	7.3	501.88	567790	9.9185 ng/ml
Hydrocodone	3.027	50405	938.99	36.7	59.15	276779	10.3037 ng/ml
Hydromorphone	1.608	38936	526.85	80.0	1893.19	125630	9.5010 ng/ml
Ketamine	4.049	112425	5318.91	34.2	128.05	463637	10.4002 ng/ml
Lamotrigine	4.278	9442	759.69	86.7	859.57	463637	10.2506 ng/ml
Levetiracetam	2.644	43429	707.15	160.8	983.66	1426547	9.0268 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	70141	1056.41	52.0	87.42	106750	10.3523 ng/ml
MDA	3.199	187080	2302.13	30.1	471.19	410400	10.9880 ng/ml
MDMA	3.292	110162	599.21	89.5	884.15	111290	10.0419 ng/ml
Meprobamate	4.896	48119	255.84	28.8	209.65	241534	10.7376 ng/ml
Methadone	5.659	199196	540.74	59.7	864.13	839497	9.9444 ng/ml
Methamphetamine	3.227	215181	515.97	38.4	203.48	819369	10.4138 ng/ml
Metoprolol	4.324	32114	47344.61	94.6	359.05	1204598	10.6541 ng/ml
Mirtazapine	4.630	209163	3047.50	53.7	1907.53	610766	9.6043 ng/ml
Mitragynine	5.236	48190	2673.65	35.0	31092.19	839497	10.3147 ng/ml
Morphine	1.247	5831	766.61	28.0	16.22	8266	10.4105 ng/ml
Norbuprenorphine	4.998	610	2451.14	82.4	845.96	19765	1.1958 ng/ml
Nordiazepam	5.893	56446	400.96	55.1	557.79	181152	10.2033 ng/ml
Norfentanyl	4.084	26034	2614.66	36.9	78.41	1060328	0.9794 ng/ml
Norhydrocodone	3.068	7539	72.80	34.0	67.55	71711	9.6481 ng/ml
Noroxycodone	2.918	48724	172.59	48.5	336.74	143081	9.9568 ng/ml
O-desmethyl-tramadol	3.372	251031	645.35	5.9	280.25	1301036	9.7142 ng/ml
Oxazepam	5.750	89346	229.70	71.9	424.87	489847	10.2645 ng/ml
Oxycodone	2.836	93753	493.53	30.5	734.98	331303	10.4388 ng/ml
Oxymorphone	1.405	43869	203.94	48.3	319.31	137378	9.8293 ng/ml
Phentermine	3.780	66257	329.65	5.5	42.59	769168	10.5219 ng/ml
Promethazine	5.545	249261	544.31	31.5	329.43	1074645	9.9518 ng/ml
Pseudoephedrine	2.583	286340	459.00	17.0	3418.31	1426547	10.0241 ng/ml
Quetiapine	5.555	143078	143.93	56.5	5921.97	201362	10.0819 ng/ml
Sertraline	5.783	51246	199.63	94.6	444.55	213119	10.2340 ng/ml
Temazepam	5.817	149802	4017.11	26.9	44.65	698938	9.7370 ng/ml
Tramadol	4.244	266356	351.89	3.3	64.27	1204598	10.1621 ng/ml
Trazodone	5.148	154914	519.94	81.5	2807.03	634660	10.1750 ng/ml
Venlafaxine	5.043	231949	590.08	32.9	406.22	1185416	10.0261 ng/ml
Zolpidem	4.914	217184	1529.90	30.6	1520.31	1008288	10.5056 ng/ml

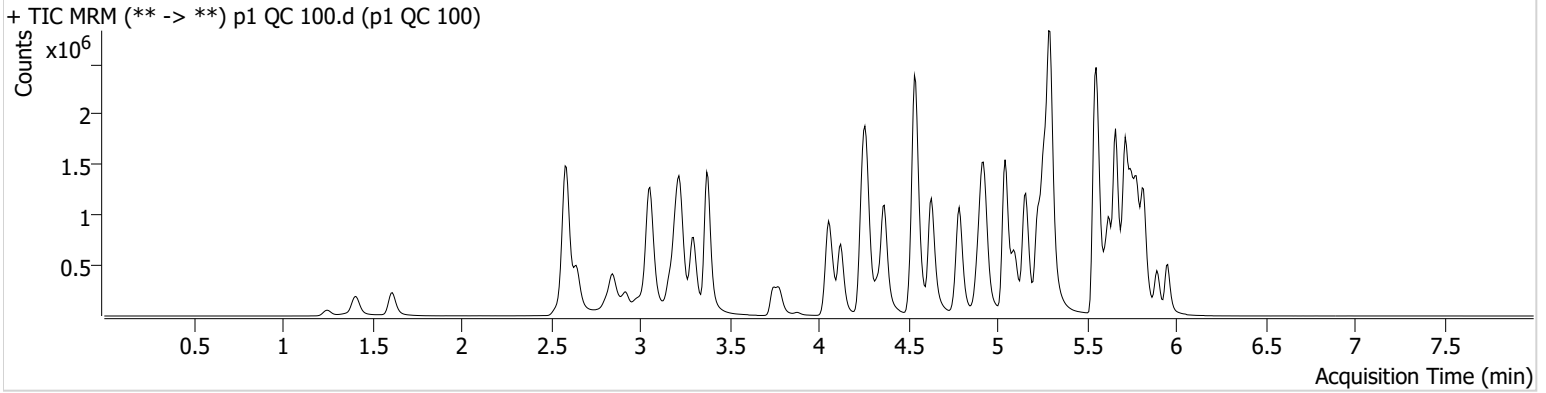
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 10:48:36 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	22323	558.52	68.5	87873.13	56608	9.8554 ng/ml
7-aminoclonazepam	4.263	356294	3652.61	73.5	285.20	138497	103.9735 ng/ml
a-hydroxyalprazolam	5.692	159693	463.12	65.8	159.53	224563	98.2605 ng/ml
alpha-PHP	4.936	403227	1650.42	262.0	5110.17	555597	104.0244 ng/ml
alpha-PVP	4.368	1507152	110380.77	51.4	1160.51	555597	99.4286 ng/ml
Alprazolam	5.769	650094	3888.10	107.3	∞	224563	100.9971 ng/ml
Amphetamine	3.058	2561362	1938.77	46.5	887.37	316434	95.5764 ng/ml
Benzoylecgonine	3.877	25583	1734.22	7.7	953.05	8357	100.0157 ng/ml
Buprenorphine	5.833	38286	16403.96	15.6	8394.29	128905	9.6360 ng/ml
Bupropion	4.787	1534350	80634.09	67.7	1264.33	542424	98.1913 ng/ml
Carisoprodol	5.724	593871	2527163.38	62.8	277.37	268970	95.9747 ng/ml
Citalopram	5.225	1190340	1481.32	34.5	32622.43	517228	101.9586 ng/ml
Clonazepam	5.605	625035	85529.92	34.2	1937.74	88794	108.5861 ng/ml
Clonazepam	5.549	405759	627143.82	36.4	226055.72	88794	111.2331 ng/ml
Cocaine	4.269	907270	31728.95	57.2	405.83	756646	98.6768 ng/ml
Codeine	2.587	108791	332.89	102.4	10469.82	56015	105.8849 ng/ml
Cyclobenzaprine	5.628	1049023	149350.78	8.1	165.65	408176	97.0076 ng/ml
Dextromethorphan	5.268	644714	122498.93	83.3	708.16	267721	100.0801 ng/ml
Dextrophan	4.123	413202	1196.15	200.4	1621319.36	408672	100.8366 ng/ml
Diazepam	5.954	459117	740.89	89.9	1764.21	200088	107.8723 ng/ml
Dihydrocodeine	2.559	291693	64026.55	68.6	488.04	180113	105.7862 ng/ml
Diphenhydramine	5.295	3284945	145442.56	31.3	14410.78	1812318	106.7463 ng/ml
Doxylamine	4.542	2992762	158662.62	98.5	18369.35	1314412	100.0762 ng/ml
EDDP	5.261	1236613	36564.31	41.7	23916.90	656820	96.7736 ng/ml
Etizolam	5.814	305757	10081.27	27.0	497088.49	88794	92.2282 ng/ml
Fentanyl	5.102	121998	2403.62	66.9	152195.37	627206	10.1196 ng/ml
Flualprazolam	5.699	258679	13440.64	102.8	101237.28	224563	110.8378 ng/ml
Fluoxetine	5.714	1393478	31657.10	7.8	379313.90	510559	96.0313 ng/ml
Hydrocodone	3.027	436155	221.35	37.9	145.79	255052	105.9601 ng/ml
Hydromorphone	1.615	372423	2425921.13	77.9	6835.86	114473	101.0416 ng/ml
Ketamine	4.056	1007573	4032.09	34.5	430.35	442372	101.6782 ng/ml
Lamotrigine	4.285	80617	1517.51	90.0	4298.26	442372	98.8471 ng/ml
Levetiracetam	2.651	380679	4341.98	163.0	10495.72	1254221	85.4553 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	427154	18988.49	53.1	784.47	88794	85.0327 ng/ml
MDA	3.205	1432732	2388.94	29.1	3421.39	360971	101.9553 ng/ml
MDMA	3.299	988999	229302.13	90.4	1097.50	100889	99.3604 ng/ml
Meprobamate	4.896	373735	8886.15	28.3	750.27	217186	101.3544 ng/ml
Methadone	5.659	1888887	1355.57	58.4	79795.54	789246	95.9002 ng/ml
Methamphetamine	3.227	1916128	5102.78	38.9	7544.60	789159	105.1758 ng/ml
Metoprolol	4.331	280762	582963.23	97.4	20850.37	1145573	102.9016 ng/ml
Mirtazapine	4.630	2007994	89021.08	52.3	4026.66	555597	100.7007 ng/ml
Mitragynine	5.236	442119	101141.27	36.1	204272.67	789246	102.6394 ng/ml
Morphine	1.253	54361	1088.01	27.2	7459.54	8257	97.5124 ng/ml
Norbuprenorphine	4.998	4497	4699.95	97.3	175.16	20033	9.6703 ng/ml
Nordiazepam	5.893	463020	780.93	54.8	2160.74	153476	102.6674 ng/ml
Norfentanyl	4.084	244613	2248.90	36.4	272.05	965583	9.5879 ng/ml
Norhydrocodone	3.075	64535	980.07	38.4	111.95	53586	97.3301 ng/ml
Noroxycodone	2.918	414814	1708.38	47.3	812.50	123884	100.7091 ng/ml
O-desmethyl-tramadol	3.379	2328400	3083.56	5.9	5535.97	1189717	97.1073 ng/ml
Oxazepam	5.750	638558	9319.84	72.6	4733.15	354174	105.8252 ng/ml
Oxycodone	2.843	866407	3378.02	30.0	3434.56	324060	104.0982 ng/ml
Oxymorphone	1.411	415587	∞	45.5	∞	130009	99.9901 ng/ml
Phentermine	3.780	581979	3134.59	5.2	∞	723564	107.2938 ng/ml
Promethazine	5.545	2505798	56843.47	30.2	1640.89	1039001	100.3108 ng/ml
Pseudoephedrine	2.590	2577058	45669.37	17.0	17885.63	1254221	98.1029 ng/ml
Quetiapine	5.555	1235908	26318.63	60.5	3085.10	181851	103.8950 ng/ml
Sertraline	5.783	511480	1017.10	94.2	666.25	212204	100.4976 ng/ml
Temazepam	5.817	1137271	15622.47	27.0	∞	528291	97.9318 ng/ml
Tramadol	4.251	2417695	1375.70	3.4	385.21	1145573	100.1010 ng/ml
Trazodone	5.155	1490233	202821.48	81.8	2069.56	600000	109.0999 ng/ml
Venlafaxine	5.043	2209805	1610458.29	31.8	1612.01	1079863	102.5139 ng/ml
Zolpidem	4.914	2027015	4588.26	29.7	2674.76	940029	112.8684 ng/ml

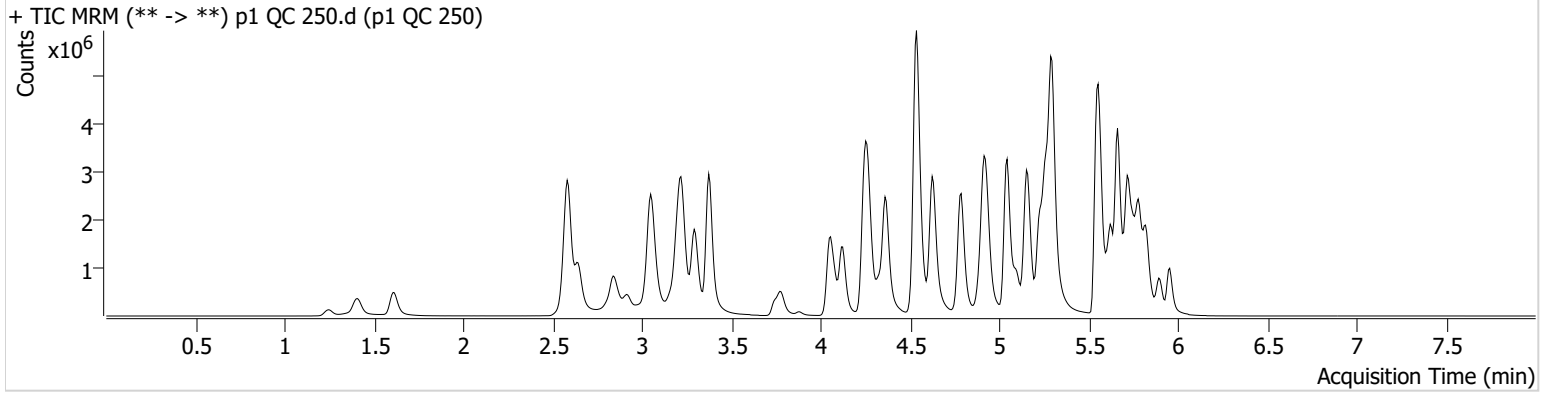


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P6-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/19/2022 1:25:48 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	58761	62227.90	70.8	2123.21	60119	24.3946 ng/ml
7-aminoclonazepam	4.256	657648	3674.13	71.6	3364.77	112425	237.2648 ng/ml
a-hydroxyalprazolam	5.685	262539	1695.45	65.7	986.24	192474	189.2777 ng/ml
alpha-PHP	4.929	979047	2875.94	260.9	457867.87	558873	251.9469 ng/ml
alpha-PVP	4.368	3854149	2873.19	51.6	32861.65	558873	252.8014 ng/ml
Alprazolam	5.769	1410696	967.29	105.1	1550.50	192474	255.6395 ng/ml
Amphetamine	3.051	5404161	3183.92	45.6	26063.80	321197	199.8109 ng/ml
Benzoylecgonine	3.877	71482	906.20	8.7	18923.80	9472	246.9966 ng/ml
Buprenorphine	5.833	95809	559.66	15.6	11306.90	123328	25.1510 ng/ml
Bupropion	4.787	4007190	343630.74	68.2	50942.65	567253	245.6041 ng/ml
Carisoprodol	5.724	1047440	37707.33	61.5	6297.02	180021	252.0901 ng/ml
Citalopram	5.225	2772863	60072.79	33.7	17329.11	474385	258.9425 ng/ml
Clonazepam	5.605	1174582	38941.33	34.6	18121.21	72811	250.3093 ng/ml
Clonazepam	5.549	670349	206869.19	37.4	556500.95	72811	226.6313 ng/ml
Cocaine	4.262	2188961	100801.76	57.1	3242.17	716367	251.7649 ng/ml
Codeine	2.580	225943	2692.94	99.1	222.59	53007	233.1563 ng/ml
Cyclobenzaprine	5.628	2441499	1088.32	7.9	47767.19	366675	250.5343 ng/ml
Dextromethorphan	5.268	1416997	54397.76	81.6	8979.06	230745	255.2931 ng/ml
Dextrophan	4.123	1037071	32982.09	201.3	255220.92	409049	252.7043 ng/ml
Diazepam	5.954	1056893	1266.70	89.3	1708.29	186929	266.1170 ng/ml
Dihydrocodeine	2.552	680653	32064.50	70.6	9952.04	188471	236.9474 ng/ml
Diphenhydramine	5.295	7772846	105126.18	31.7	51945.41	1663469	274.6930 ng/ml
Doxylamine	4.535	8222256	335197.35	96.4	8646.79	1349803	267.9761 ng/ml
EDDP	5.261	2964862	∞	41.8	18404.78	629491	241.8652 ng/ml
Etizolam	5.814	716296	7686.68	27.1	12393.37	72811	262.7858 ng/ml
Fentanyl	5.102	328358	2705.94	66.2	266.04	660943	25.8452 ng/ml
Flualprazolam	5.699	521359	25770.11	106.9	4597.68	192474	261.4137 ng/ml
Fluoxetine	5.714	2892324	183246.11	7.6	4570.02	398901	254.5039 ng/ml
Hydrocodone	3.021	1006520	3024.14	39.3	212.78	262756	238.7175 ng/ml
Hydromorphone	1.615	909041	2692365.17	78.5	3021813.36	113071	249.8909 ng/ml
Ketamine	4.049	2608870	53009.42	33.7	9489.92	457748	255.1423 ng/ml
Lamotrigine	4.285	173365	2453.09	90.2	2705.03	457748	206.3931 ng/ml
Levetiracetam	2.644	898047	590.39	165.7	35042.93	1144043	220.2065 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<del>Lorazepam</del>	<del>5.740</del>	<del>538283</del>	<del>13059.83</del>	<del>53.1</del>	<del>899.84</del>	<del>72811</del>	<del>131.4611 ng/ml*</del>
MDA	3.199	2806566	19991.87	28.6	6143.17	308858	234.4684 ng/ml
MDMA	3.292	2468332	5849.84	90.3	1881.34	99352	251.8040 ng/ml
Meprobamate	4.896	691948	16895.50	27.7	11540.71	202459	202.4137 ng/ml
Methadone	5.660	4779602	1174.35	57.1	44761.49	732748	260.5385 ng/ml
Methamphetamine	3.227	4763815	4312.26	38.1	1427.32	863120	240.4511 ng/ml
Metoprolol	4.324	655352	591483.81	98.9	7428.61	1116233	247.3493 ng/ml
Mirtazapine	4.623	5126504	4487.13	52.3	159634.91	558873	255.4809 ng/ml
Mitragynine	5.236	1001162	2275.88	36.5	357649.38	732748	250.6696 ng/ml
Morphine	1.247	134251	∞	27.5	1222.57	8240	241.3988 ng/ml
Norbuprenorphine	4.998	11992	15592.57	92.7	15527.97	20591	25.3374 ng/ml
Nordiazepam	5.893	976310	1516.42	54.1	719.00	133233	250.0110 ng/ml
Norfentanyl	4.084	623815	21372.93	36.7	1786.84	892858	26.3451 ng/ml
Norhydrocodone	3.068	155170	199.75	40.4	∞	46056	270.0238 ng/ml
Noroxycodone	2.918	831605	1163.65	47.9	∞	99673	251.4129 ng/ml
O-desmethyl-tramadol	3.372	6184090	388611.75	5.8	43159.38	1208197	253.7144 ng/ml
Oxazepam	5.750	857538	9228.18	73.1	3595.98	206341	244.5750 ng/ml
Oxycodone	2.836	1995549	1277.97	30.6	688.43	324597	240.2095 ng/ml
Oxymorphone	1.405	918341	∞	48.6	∞	117781	244.1463 ng/ml
Phentermine	3.780	1314286	1967.94	5.1	231.41	760032	231.9239 ng/ml
Promethazine	5.545	6149264	74673.93	30.0	3112.54	985312	259.0426 ng/ml
Pseudoephedrine	2.583	6205607	6374.88	16.4	58201.45	1144043	258.1838 ng/ml
Quetiapine	5.555	2788781	80369.93	60.2	2301.42	175005	244.7774 ng/ml
Sertraline	5.783	1028587	468.60	94.1	1426.99	164991	259.5671 ng/ml
Temazepam	5.817	2030670	2971.19	26.8	2222.95	379059	243.7271 ng/ml
Tramadol	4.244	5995558	∞	3.3	814.15	1116233	255.3237 ng/ml
Trazodone	5.148	3901962	598.36	81.6	2450.36	673629	255.2468 ng/ml
Venlafaxine	5.043	5758505	86776.02	30.7	7103.43	1095353	262.9736 ng/ml
Zolpidem	4.914	4983353	1777.47	28.3	231957.83	997611	262.5916 ng/ml

\*Outside curve range.



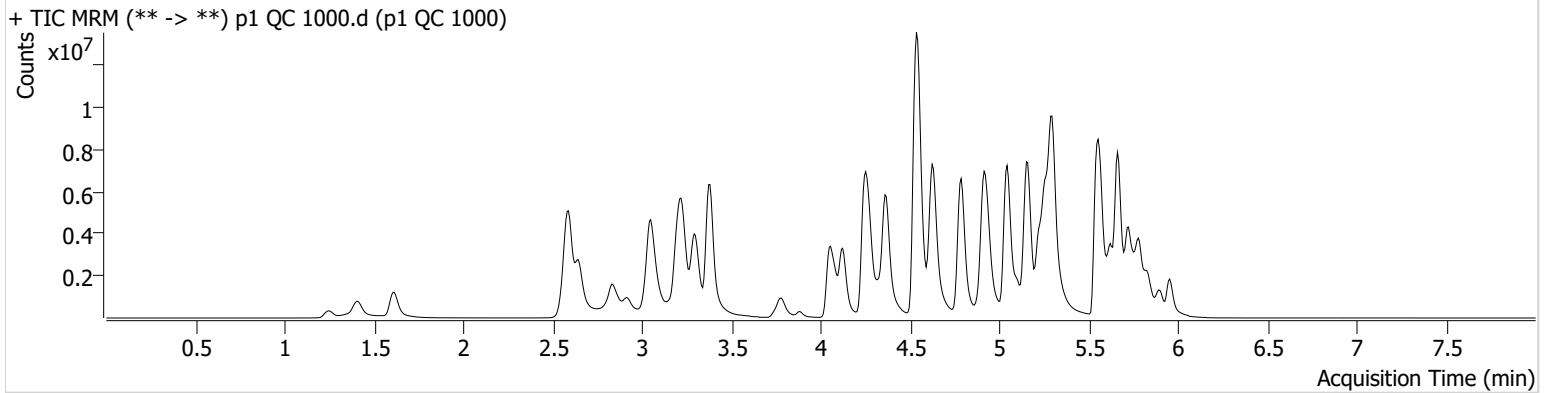
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 1:47:03 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	194418	645620.81	69.6	38417.52	48368	100.2544 ng/ml
<del>7-aminoclonazepam</del>	<del>4.263</del>	<del>772652</del>	<del>7954.94</del>	<del>65.1</del>	<del>2375.43</del>	<del>45691</del>	<del>687.1400 ng/ml</del> *
<del>a-hydroxyalprazolam</del>	<del>5.685</del>	<del>334934</del>	<del>2373.90</del>	<del>66.2</del>	<del>5662.85</del>	<del>102989</del>	<del>452.4912 ng/ml</del> *
alpha-PHP	4.936	2326045	4045.24	263.1	378306.38	377215	888.3645 ng/ml
alpha-PVP	4.368	10965314	1303.76	50.4	1478.21	377215	1065.6639 ng/ml
Alprazolam	5.769	2946265	571.49	104.9	525.02	102989	997.6929 ng/ml
<del>Amphetamine</del>	<del>3.051</del>	<del>10668966</del>	<del>136046.43</del>	<del>45.9</del>	<del>60713.66</del>	<del>248567</del>	<del>511.3818 ng/ml</del> *
Benzoylcegonine	3.884	274041	527.09	8.2	1507.86	8764	1024.3937 ng/ml
Buprenorphine	5.833	269981	54403.37	15.2	72091.44	79985	109.1698 ng/ml
Bupropion	4.787	11804513	251255.43	66.8	50812.03	445281	922.4048 ng/ml
Carisoprodol	5.724	1589025	110133.72	60.4	4474.27	61858	1111.2502 ng/ml
Citalopram	5.218	5620104	96489.03	34.1	68829.71	230680	1079.2578 ng/ml
Clonazepam	5.605	1815437	69375.95	33.9	32789.18	34400	821.4413 ng/ml
<del>Clonazepam</del>	<del>5.563</del>	<del>837500</del>	<del>221231.44</del>	<del>37.8</del>	<del>334744.34</del>	<del>34400</del>	<del>603.3983 ng/ml</del> *
Cocaine	4.269	5316334	606.40	55.8	361.26	429048	1021.5335 ng/ml
<del>Codeine</del>	<del>2.587</del>	<del>460064</del>	<del>3527.89</del>	<del>97.6</del>	<del>11084.36</del>	<del>33551</del>	<del>751.4949 ng/ml</del> *
Cyclobenzaprine	5.628	5025922	142922.10	7.4	136671.58	179313	1053.0167 ng/ml
Dextromethorphan	5.268	2623648	236132.87	82.1	32055.46	106927	1020.2013 ng/ml
Dextrophan	4.123	2840763	1662.91	204.4	39921.27	263087	1075.9374 ng/ml
Diazepam	5.954	2454026	1157.14	87.2	764.62	113448	1018.7244 ng/ml
<del>Dihydrocodeine</del>	<del>2.552</del>	<del>1759332</del>	<del>45043.74</del>	<del>71.2</del>	<del>19678.11</del>	<del>169118</del>	<del>684.1406 ng/ml</del> *
Diphenhydramine	5.295	17325515	384269.50	32.4	830.47	928351	1096.1917 ng/ml
Doxylamine	4.543	22445479	384399.26	97.8	271999.95	1077966	916.3506 ng/ml
EDDP	5.261	8448529	∞	40.8	77731.41	432516	1002.6063 ng/ml
<del>Etizolam</del>	<del>5.814</del>	<del>1614501</del>	<del>9510.75</del>	<del>27.3</del>	<del>158553.25</del>	<del>34400</del>	<del>1252.2639 ng/ml</del> *
Fentanyl	5.102	1067665	1662.26	64.7	2652523.00	522344	106.3314 ng/ml
Flualprazolam	5.699	923881	26833.88	110.9	15000.55	102989	867.0776 ng/ml
Fluoxetine	5.721	4284050	124782.04	7.5	681888.63	138206	1086.8171 ng/ml
Hydrocodone	3.021	2838376	4718.03	40.5	1290.34	201018	882.8771 ng/ml
Hydromorphone	1.615	2665487	15344125.73	78.4	4482233.60	79560	1041.7943 ng/ml
Ketamine	4.049	7186775	372164.33	32.8	43425.18	361375	891.4759 ng/ml
<del>Lamotrigine</del>	<del>4.285</del>	<del>303376</del>	<del>1350.44</del>	<del>91.1</del>	<del>38156.11</del>	<del>361375</del>	<del>458.5822 ng/ml</del> *
Levetiracetam	2.651	2254166	4464.30	168.1	64945.53	632455	998.0472 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	652227	22489.76	52.7	542.04	34400	339.4420 ng/ml *
MDA	3.192	4950712	2281.38	27.1	1444.56	187126	684.2131 ng/ml *
MDMA	3.292	6024467	2600.43	91.7	61520.45	63690	958.6822 ng/ml
Meprobamate	4.889	1060061	74950.54	27.9	19489.83	132269	476.1692 ng/ml *
Methadone	5.659	11826812	520508.97	57.2	53045.77	442163	1066.8650 ng/ml
Methamphetamine	3.220	12192057	57115.96	36.6	42129.27	774097	688.1582 ng/ml *
Metoprolol	4.324	1410688	77794.20	99.7	232725.05	813579	731.6858 ng/ml *
Mirtazapine	4.623	14134612	135081.60	51.0	5489.99	377215	1043.4135 ng/ml
Mitragynine	5.229	2115028	10553.13	37.4	719296.59	442163	878.1446 ng/ml
Morphine	1.247	385850	∞	27.9	449.62	6225	918.5259 ng/ml
Norbuprenorphine	4.998	37445	10174.70	91.8	9422.77	15918	102.8113 ng/ml
Nordiazepam	5.900	1721311	42840.11	54.7	10624.87	62607	939.2647 ng/ml
Norfentanyl	4.084	1805258	251436.05	36.6	1458.80	500192	135.8594 ng/ml *
Norhydrocodone	3.068	479466	126.13	41.7	162.99	29773	1285.8877 ng/ml *
Noroxycodone	2.918	1734086	∞	48.4	1141.06	49775	1050.8026 ng/ml
O-desmethyl-tramadol	3.379	17413237	107329.70	5.8	15034.80	839943	1027.1541 ng/ml
Oxazepam	5.750	886218	149247.84	73.1	53542.16	55590	939.5772 ng/ml
Oxycodone	2.829	4878067	∞	30.2	4428.47	253601	752.9476 ng/ml *
Oxymorphone	1.405	2385235	∞	47.3	2523.67	78870	947.4958 ng/ml
Phentermine	3.780	3187392	9306.31	4.9	1872.41	623212	688.0654 ng/ml *
Promethazine	5.545	13748968	3725.44	29.1	167086.71	539433	1056.8856 ng/ml
Pseudoephedrine	2.590	14522387	173676.91	16.5	20842.02	632455	1091.3602 ng/ml
Quetiapine	5.562	5974157	545951.28	60.5	78273.93	112712	816.1976 ng/ml
Sertraline	5.790	1314971	4014.86	91.6	610322.29	51659	1059.1242 ng/ml
Temazepam	5.824	2768738	54804.90	26.9	14993.06	131530	957.7413 ng/ml
Tramadol	4.244	15014149	965.41	3.3	545.55	813579	878.1246 ng/ml
Trazodone	5.148	10105940	296130.73	83.7	316190.74	505225	882.9212 ng/ml
Venlafaxine	5.043	15866406	2689.77	30.6	65834.98	731764	1083.8125 ng/ml
Zolpidem	4.907	12463835	4299.02	28.0	2539.27	769850	852.9861 ng/ml

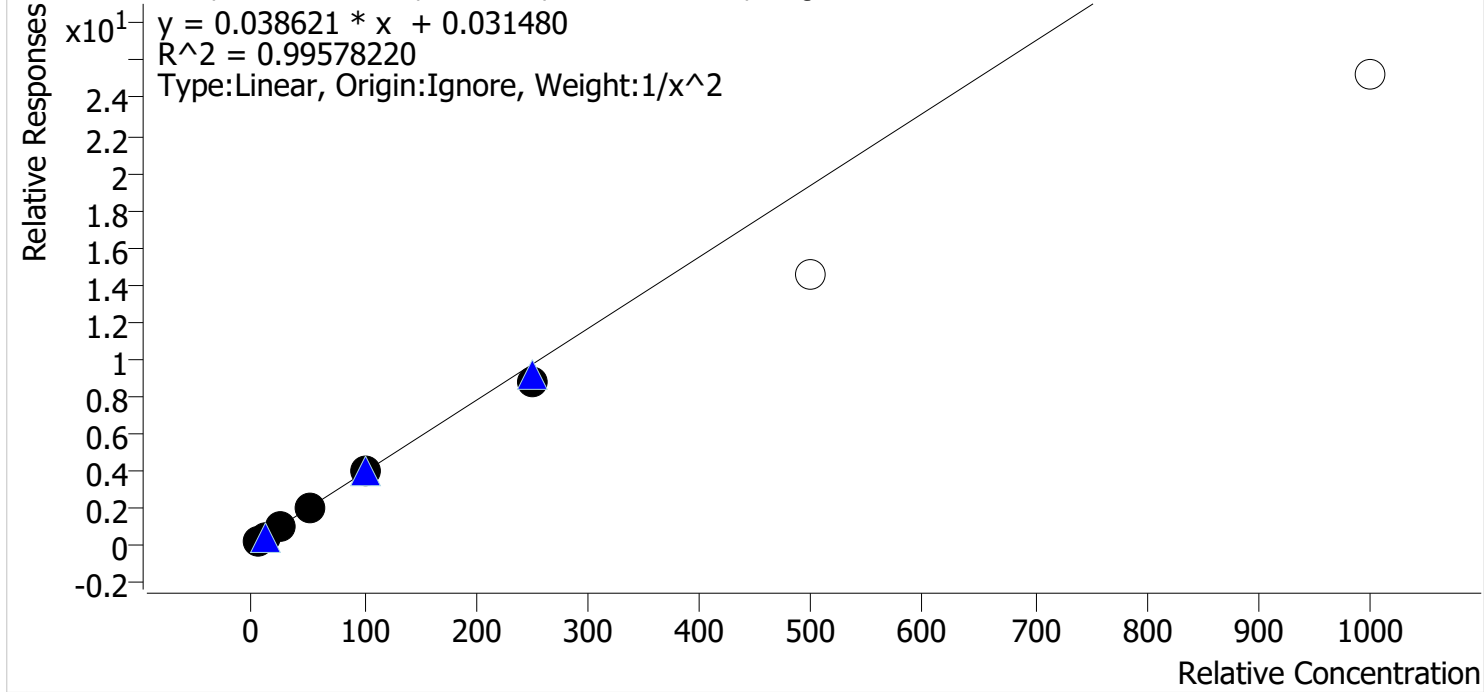
\*Outside curve range.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



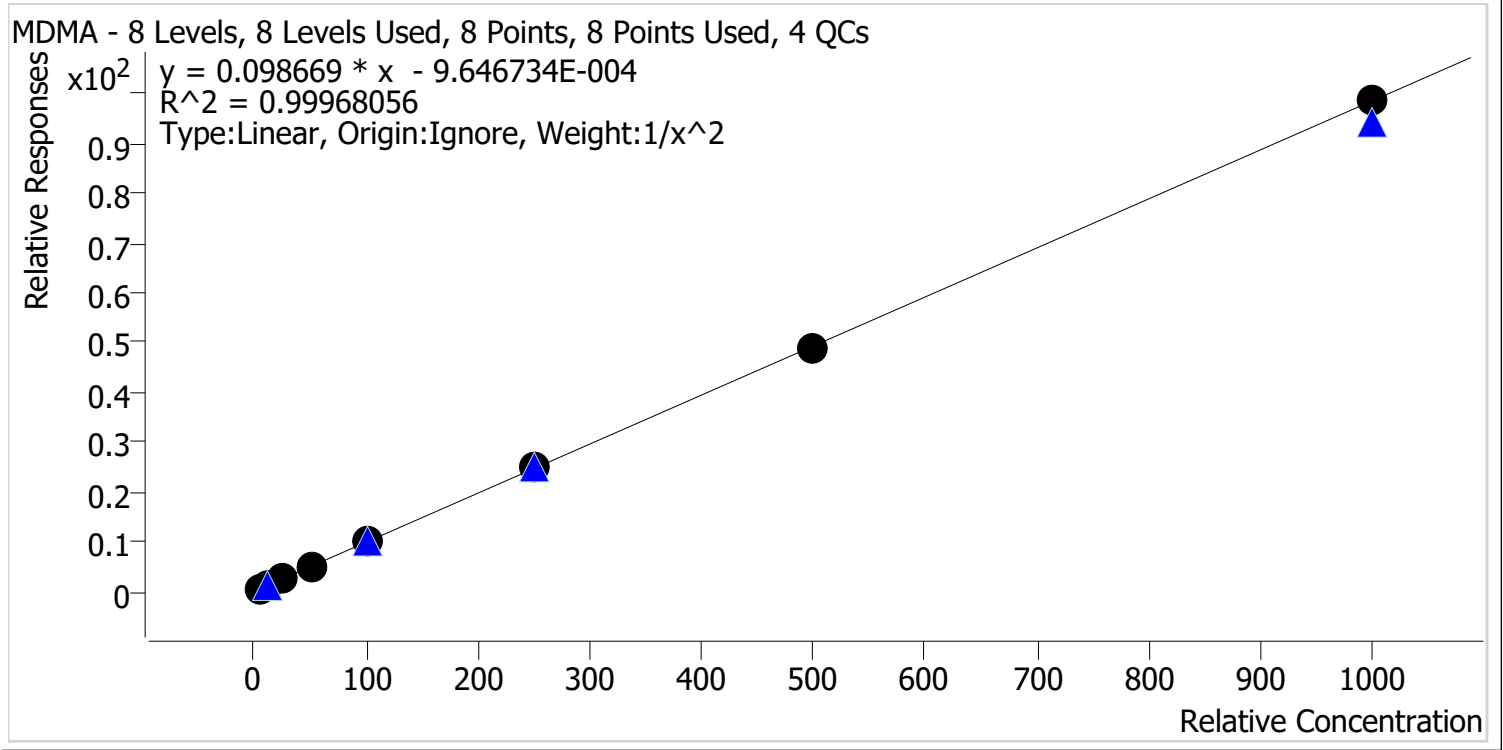
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	225.7	90.3
p1 Cal 7-500ng	7	x	500.0	375.5	75.1
p1 Cal 8-1000ng	8	x	1000.0	654.4	65.4

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

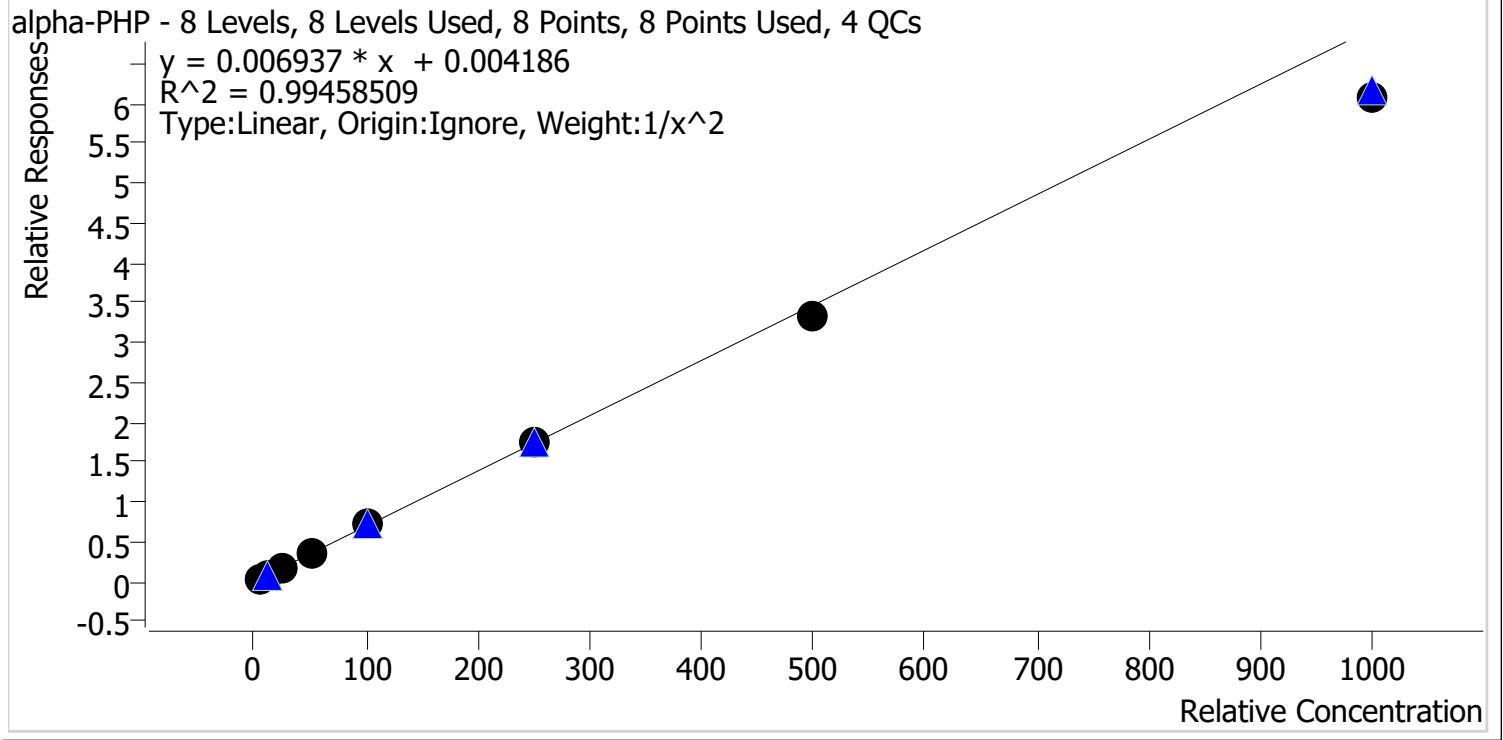


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1000.6	100.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

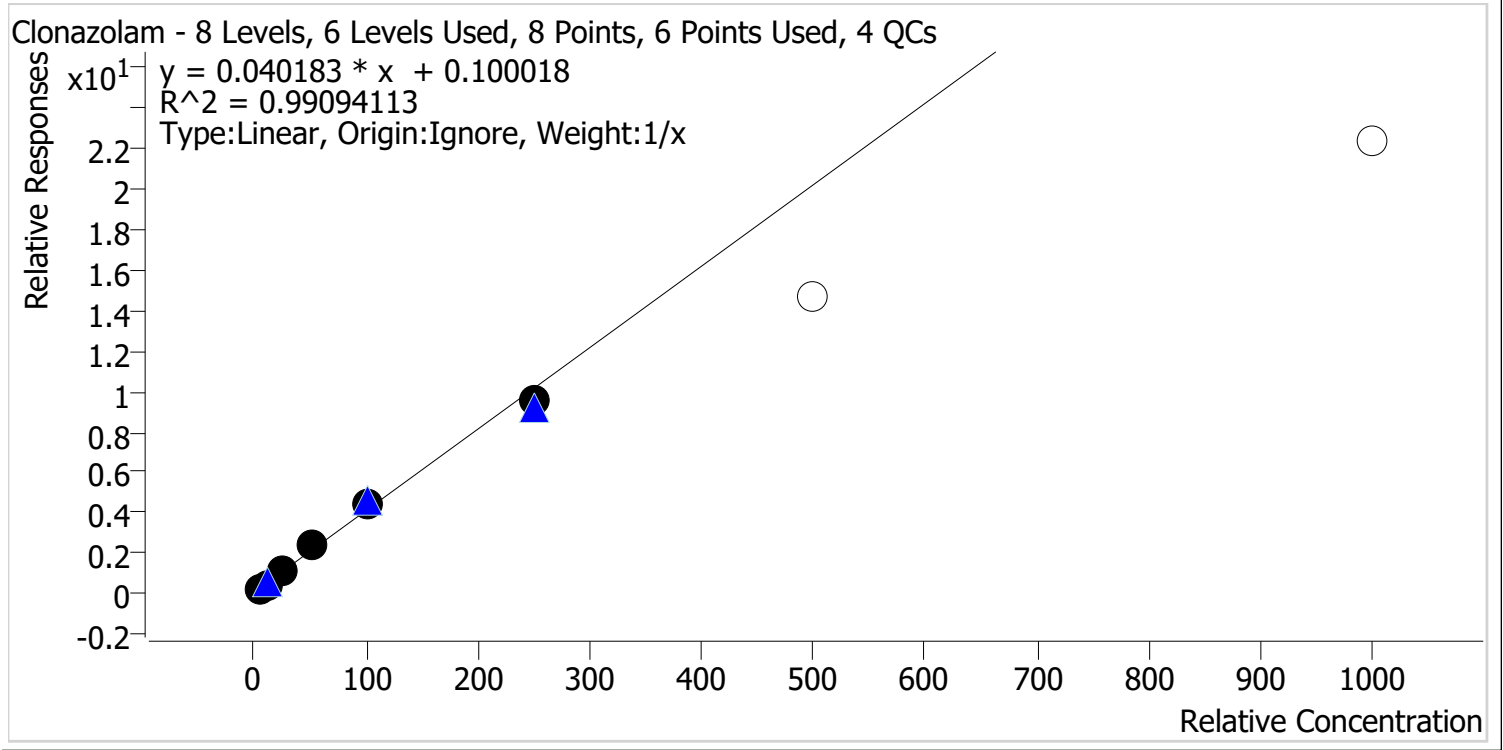


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	478.9	95.8
p1 Cal 8-1000ng	8	✓	1000.0	873.0	87.3



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



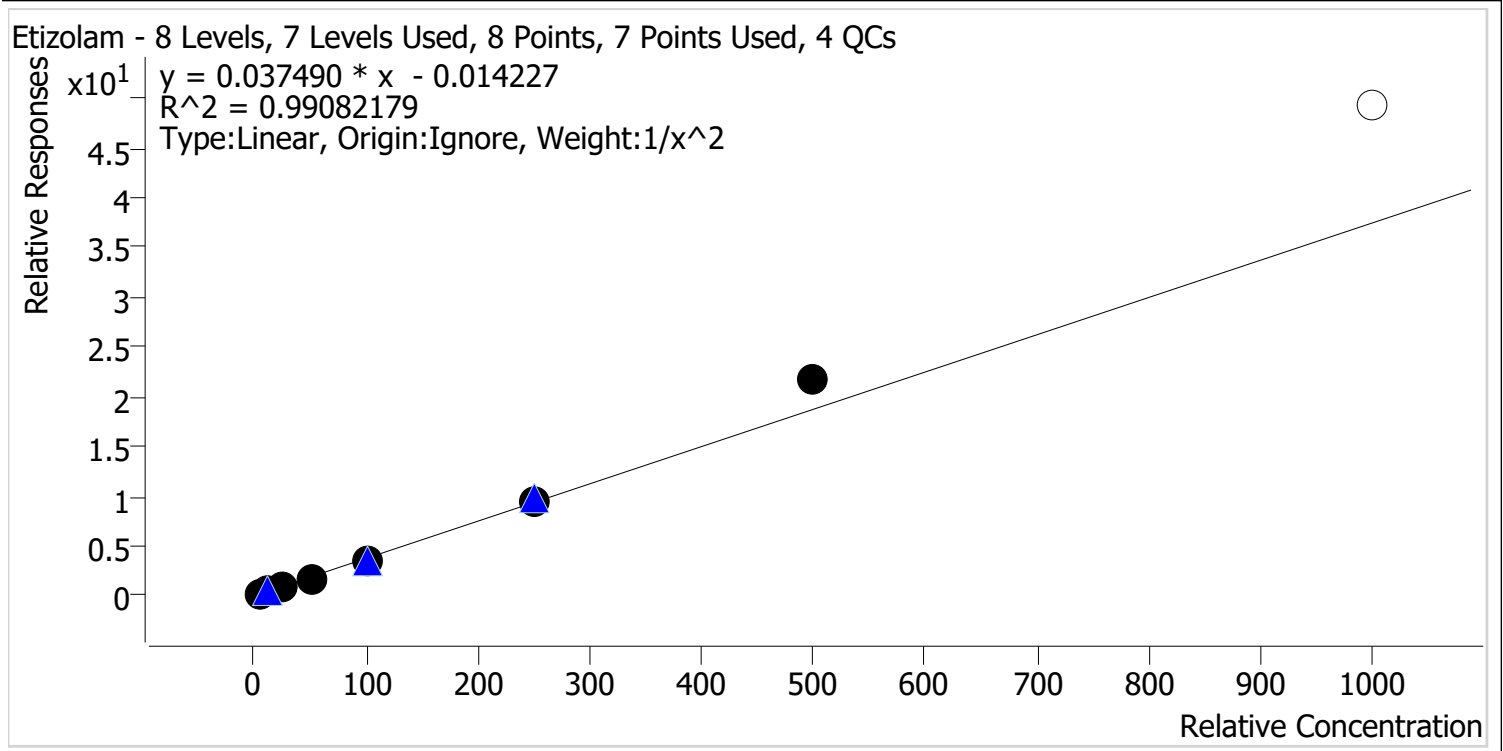
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.9	77.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.6
p1 Cal 4-50ng	4	✓	50.0	56.1	112.2
p1 Cal 5-100ng	5	✓	100.0	109.1	109.1
p1 Cal 6-250ng	6	✓	250.0	233.7	93.5
p1 Cal 7-500ng	7	x	500.0	364.5	72.9
p1 Cal 8-1000ng	8	x	1000.0	554.2	55.4

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



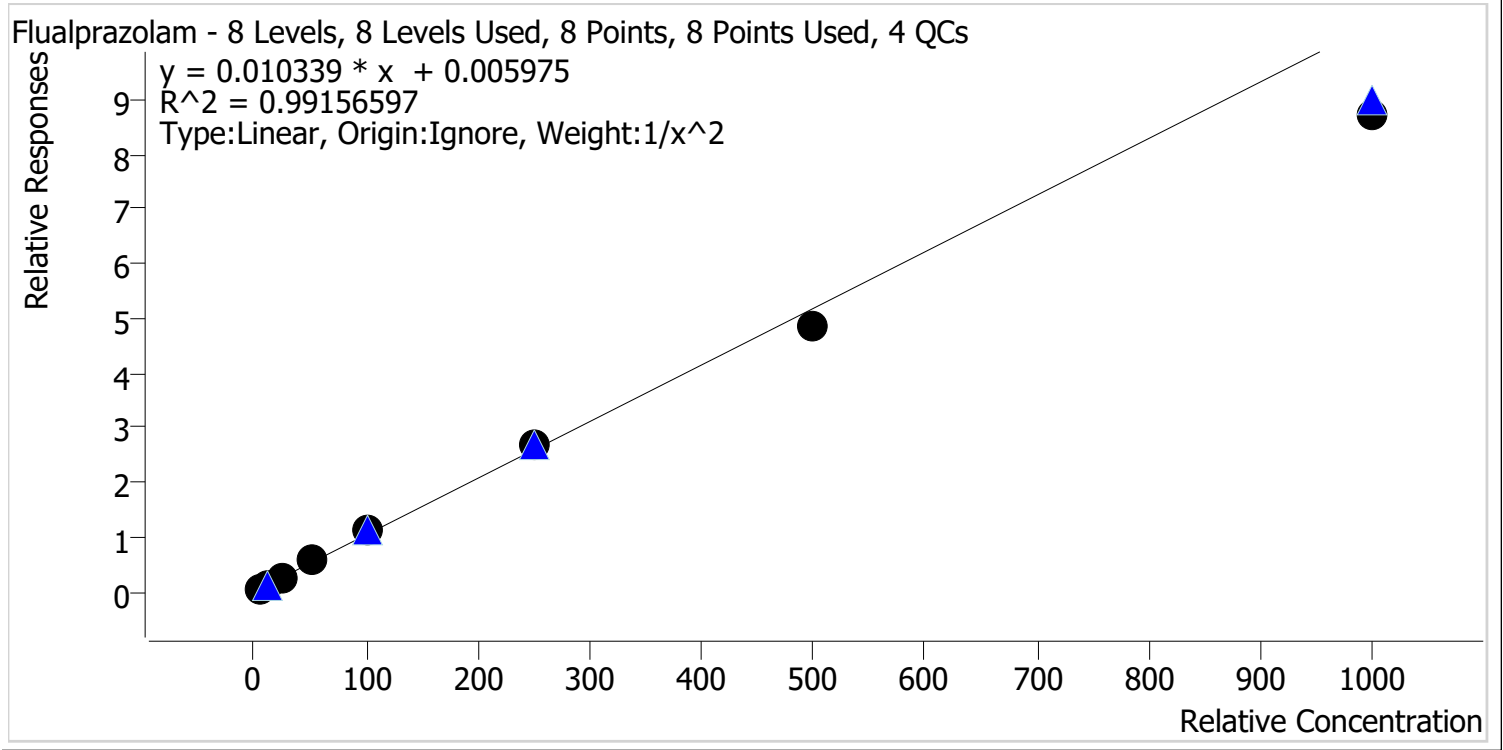
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	580.2	116.0
p1 Cal 8-1000ng	8	✗	1000.0	1315.0	131.5

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



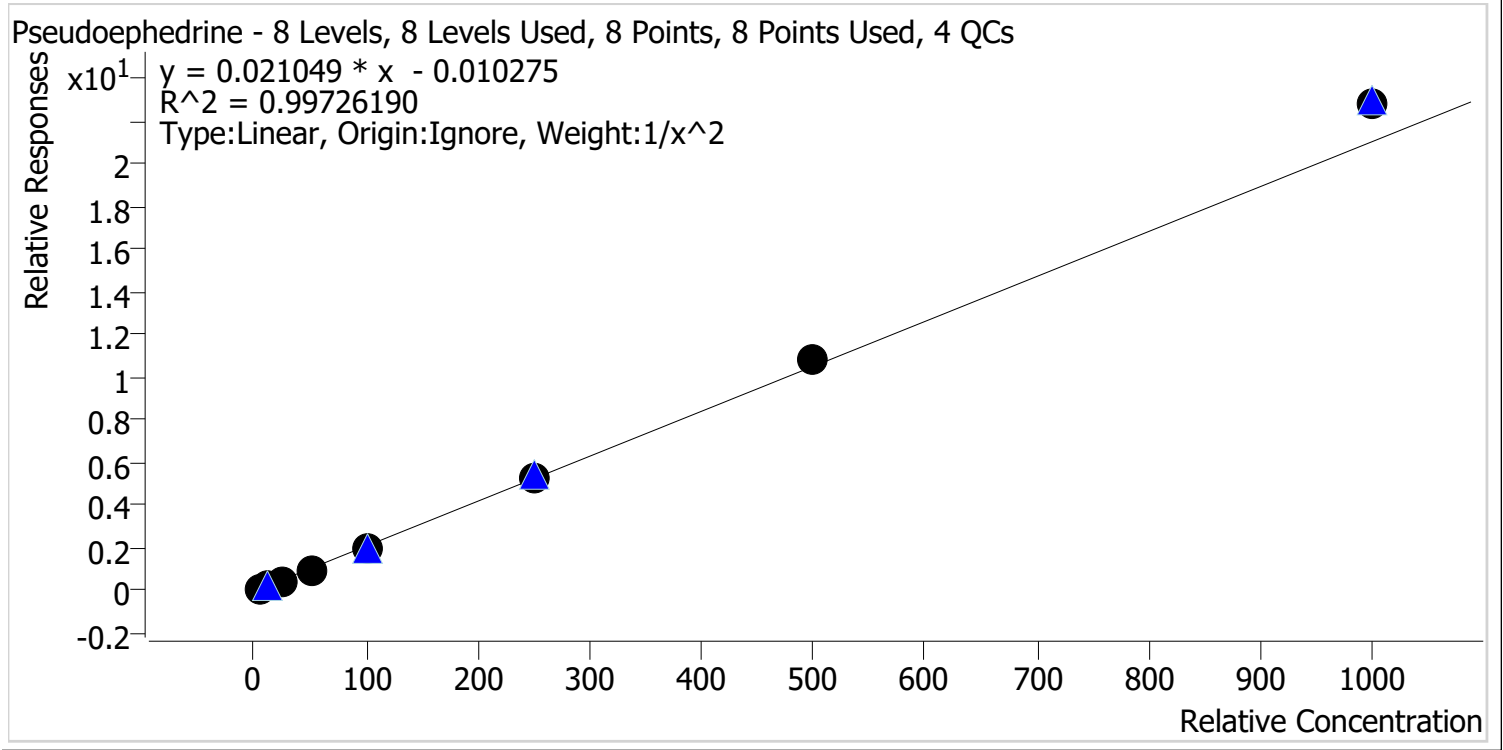
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	467.6	93.5
p1 Cal 8-1000ng	8	✓	1000.0	842.3	84.2





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



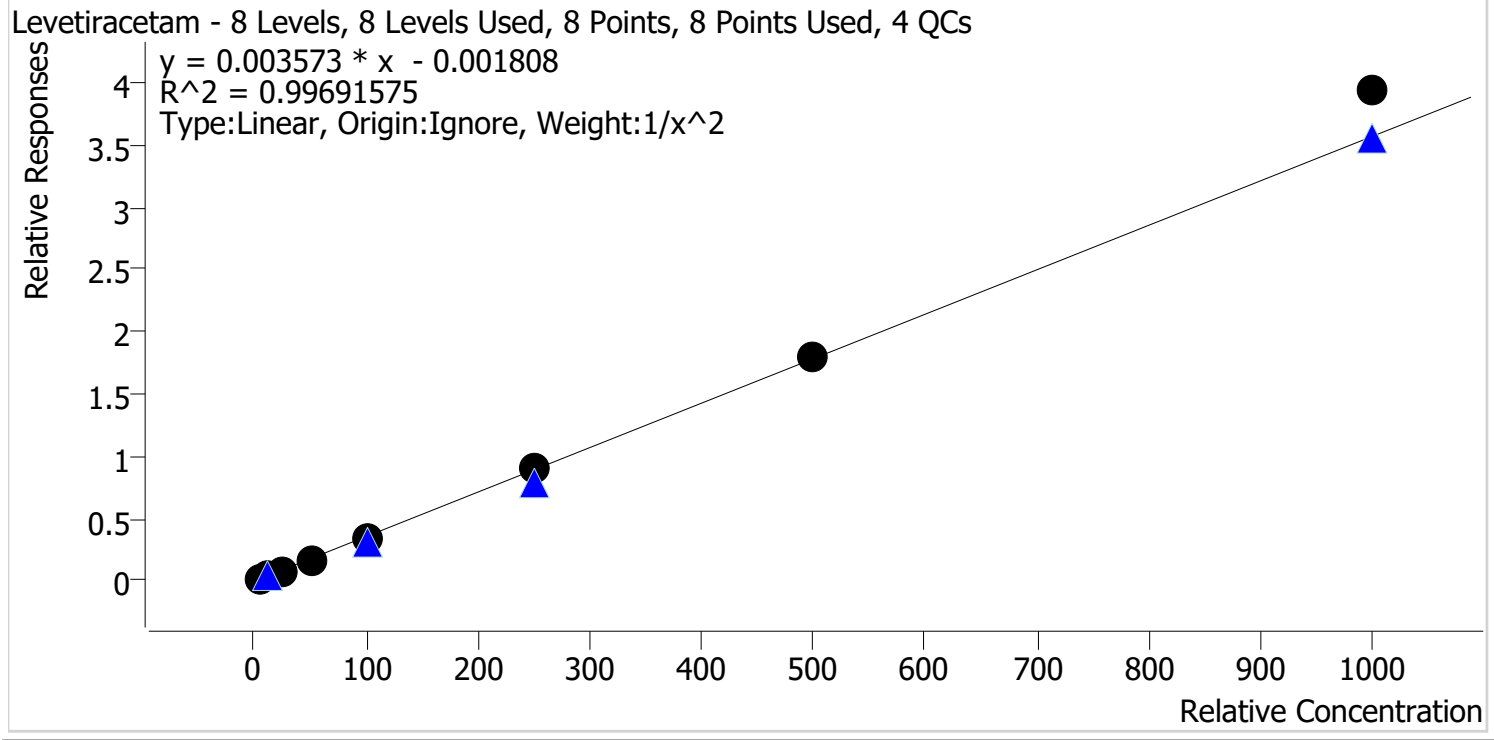
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1082.5	108.3

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

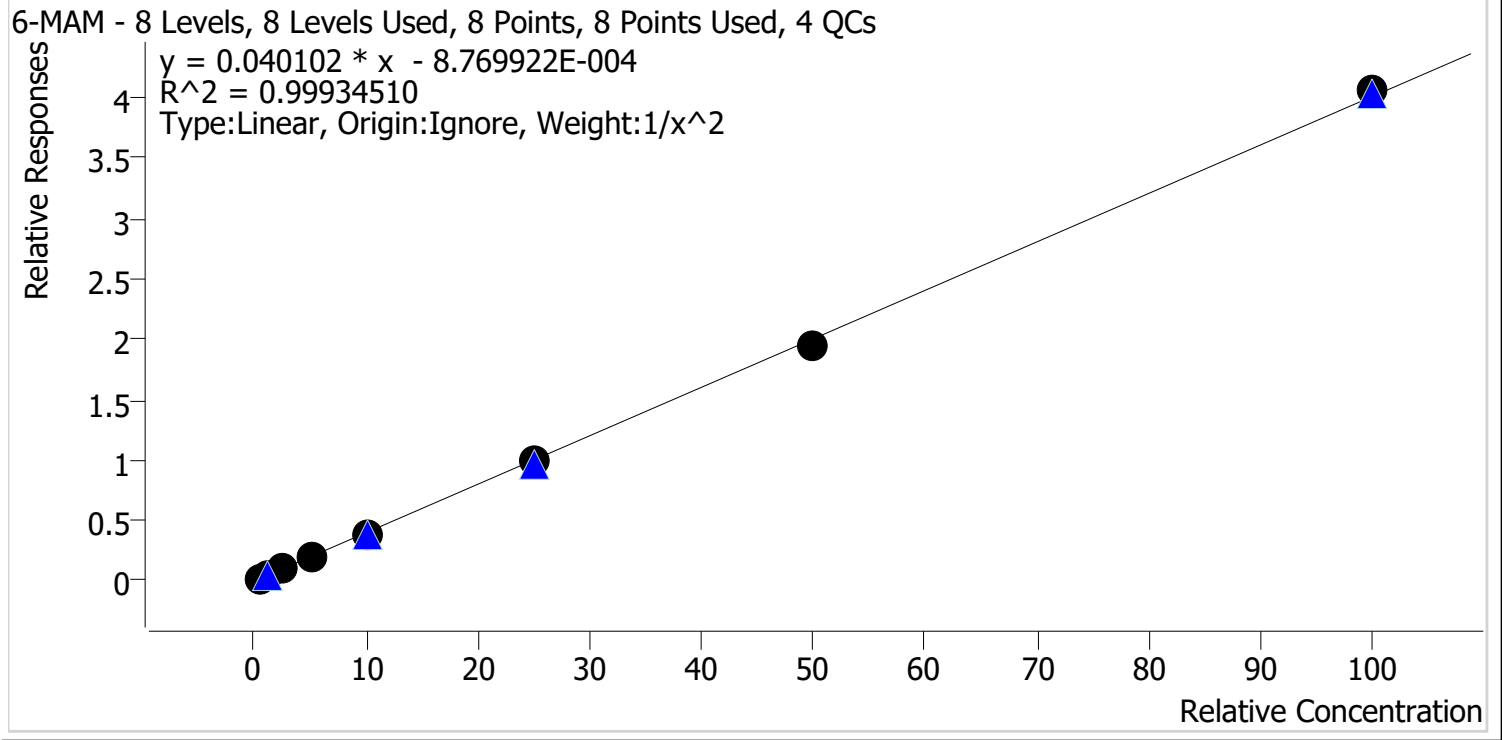


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1103.1	110.3



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

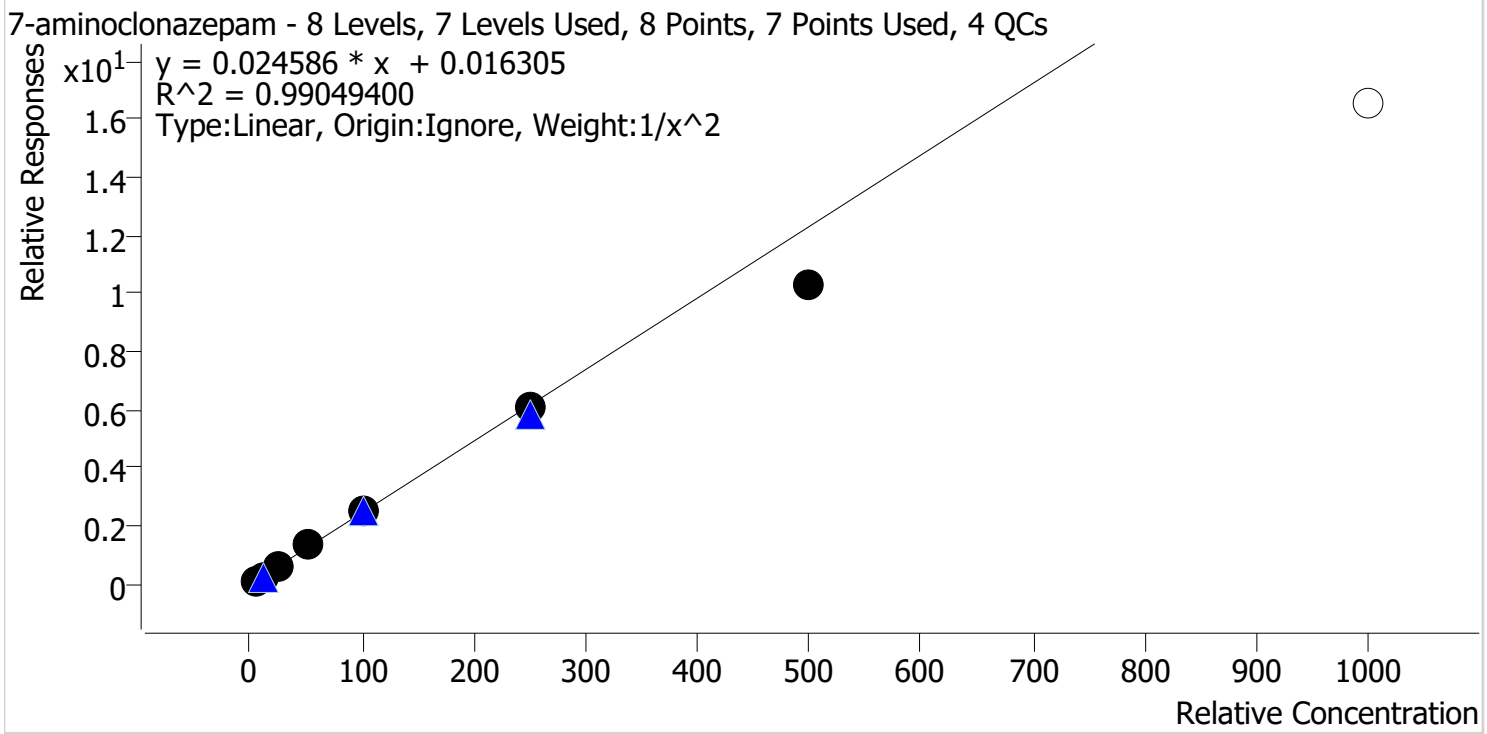


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.2
p1 Cal 2-10ng	2	✓	1.0	1.0	103.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.8
p1 Cal 4-50ng	4	✓	5.0	5.1	102.6
p1 Cal 5-100ng	5	✓	10.0	9.9	98.8
p1 Cal 6-250ng	6	✓	25.0	24.7	98.8
p1 Cal 7-500ng	7	✓	50.0	48.9	97.8
p1 Cal 8-1000ng	8	✓	100.0	101.2	101.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



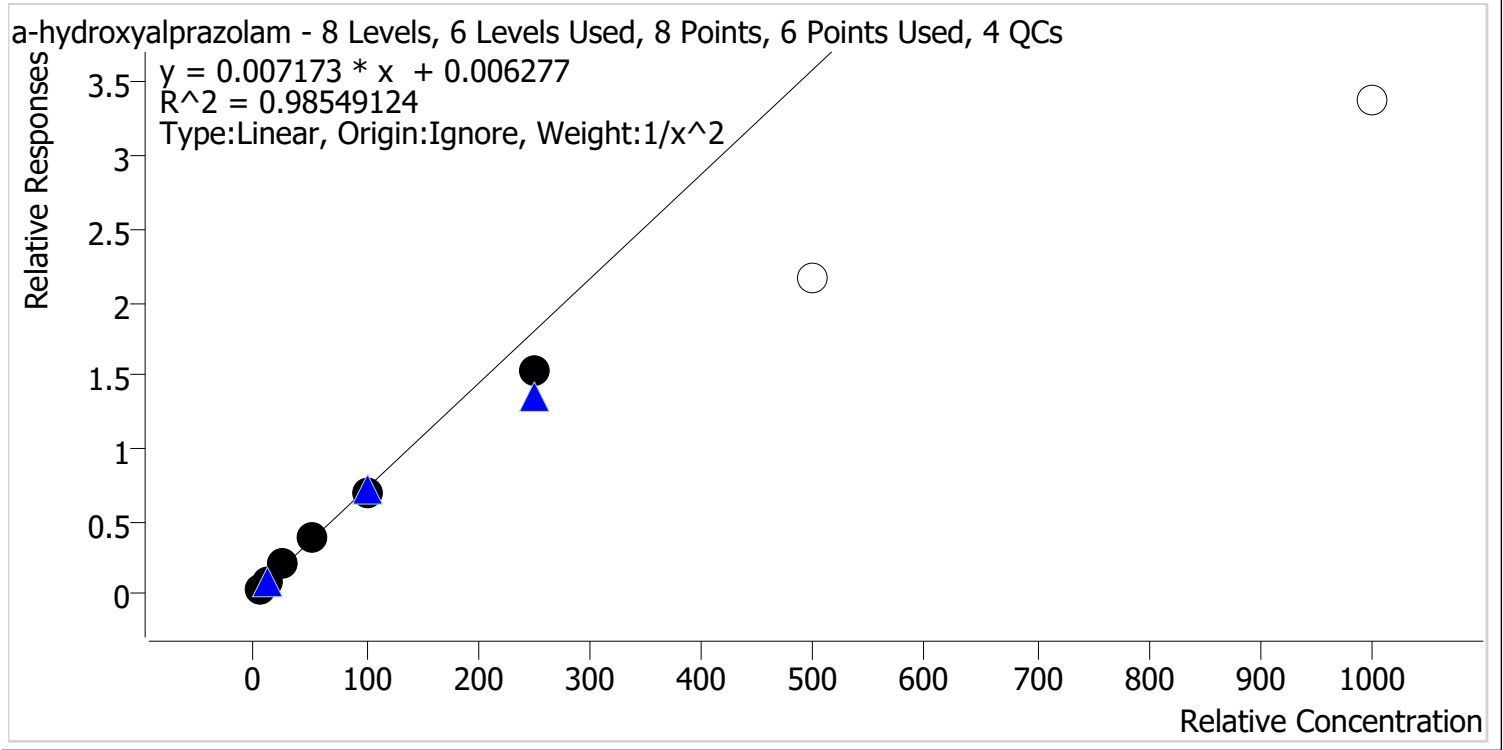
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	419.9	84.0
p1 Cal 8-1000ng	8	✗	1000.0	670.2	67.0

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



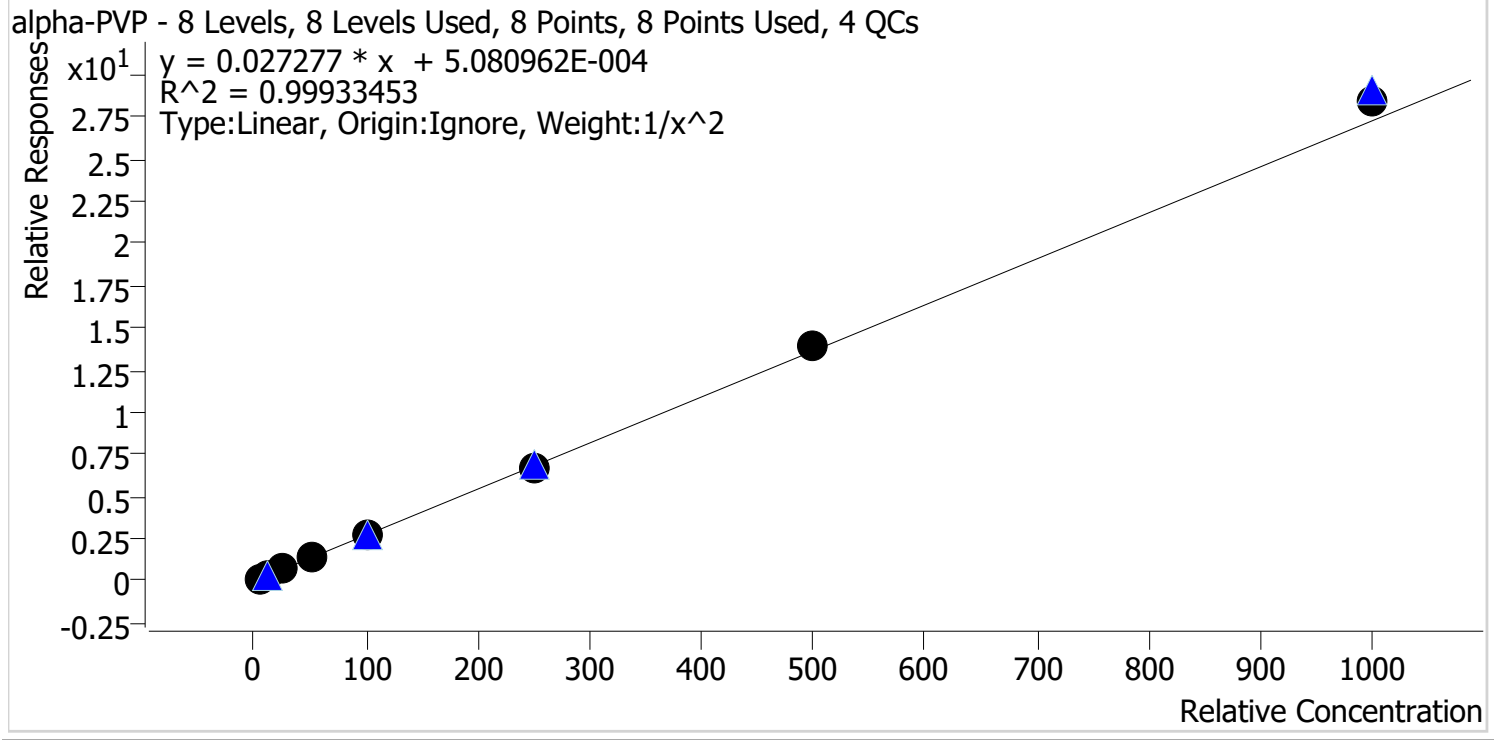
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	28.2	112.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	210.9	84.4
p1 Cal 7-500ng	7	✗	500.0	302.6	60.5
p1 Cal 8-1000ng	8	✗	1000.0	470.0	47.0

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

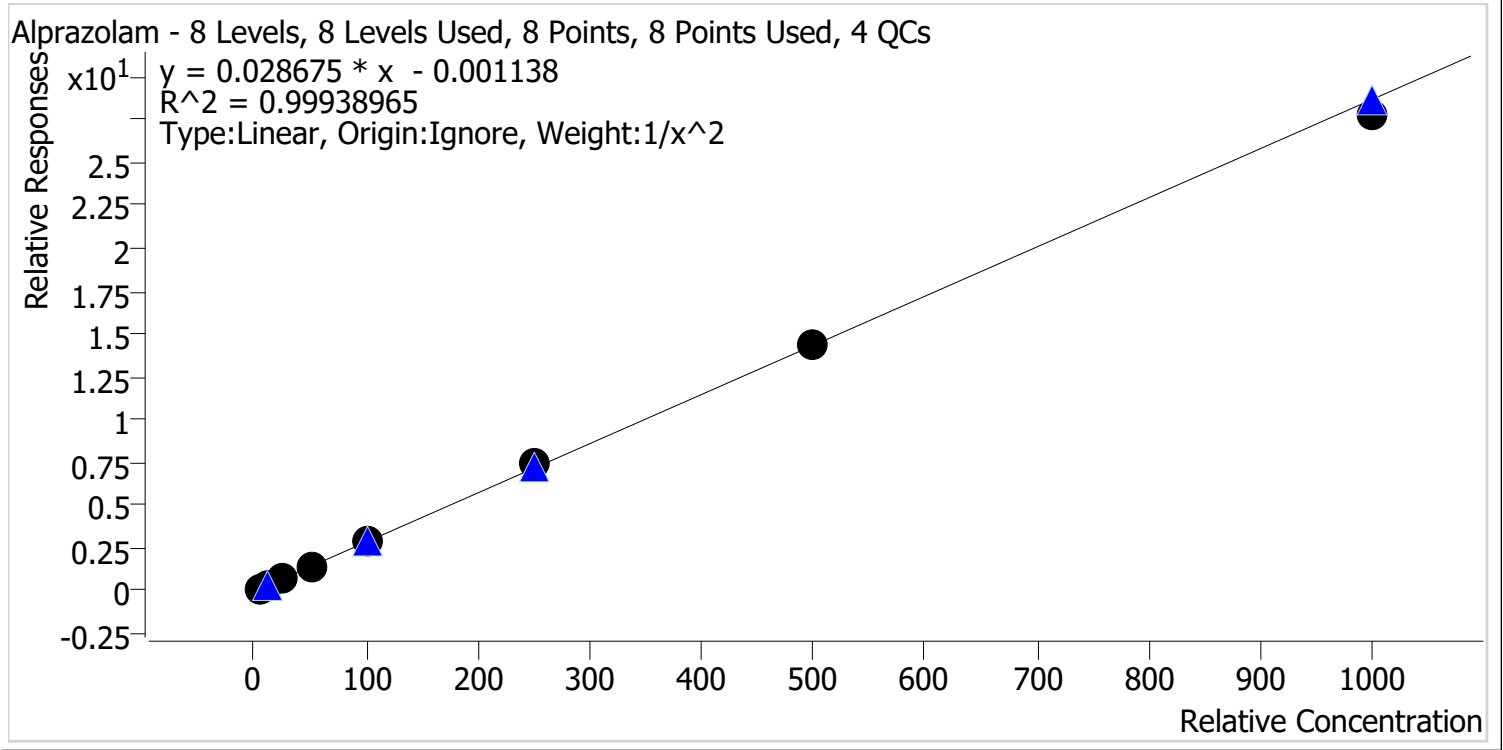


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1038.9	103.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

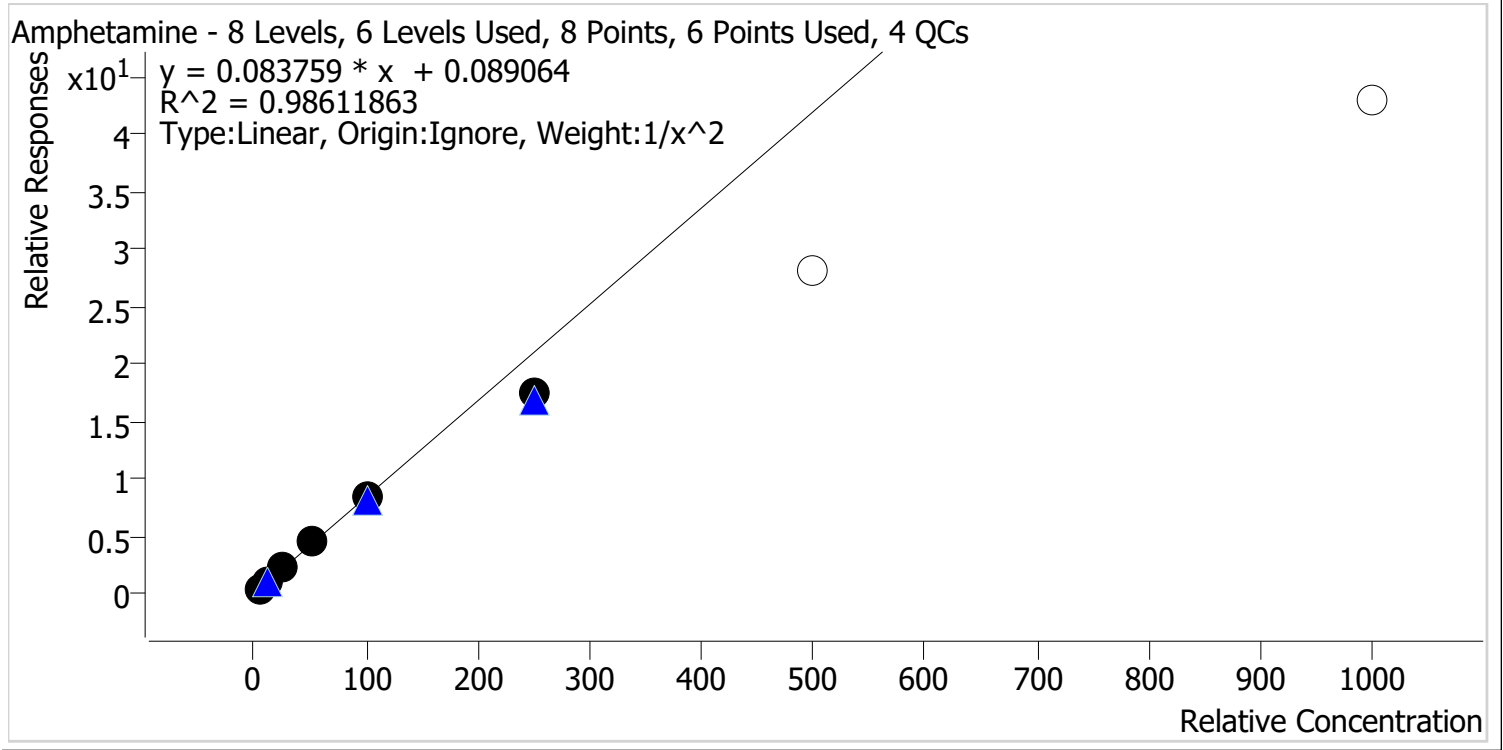


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	969.5	96.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	209.5	83.8
p1 Cal 7-500ng	7	x	500.0	336.0	67.2
p1 Cal 8-1000ng	8	x	1000.0	511.2	51.1

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

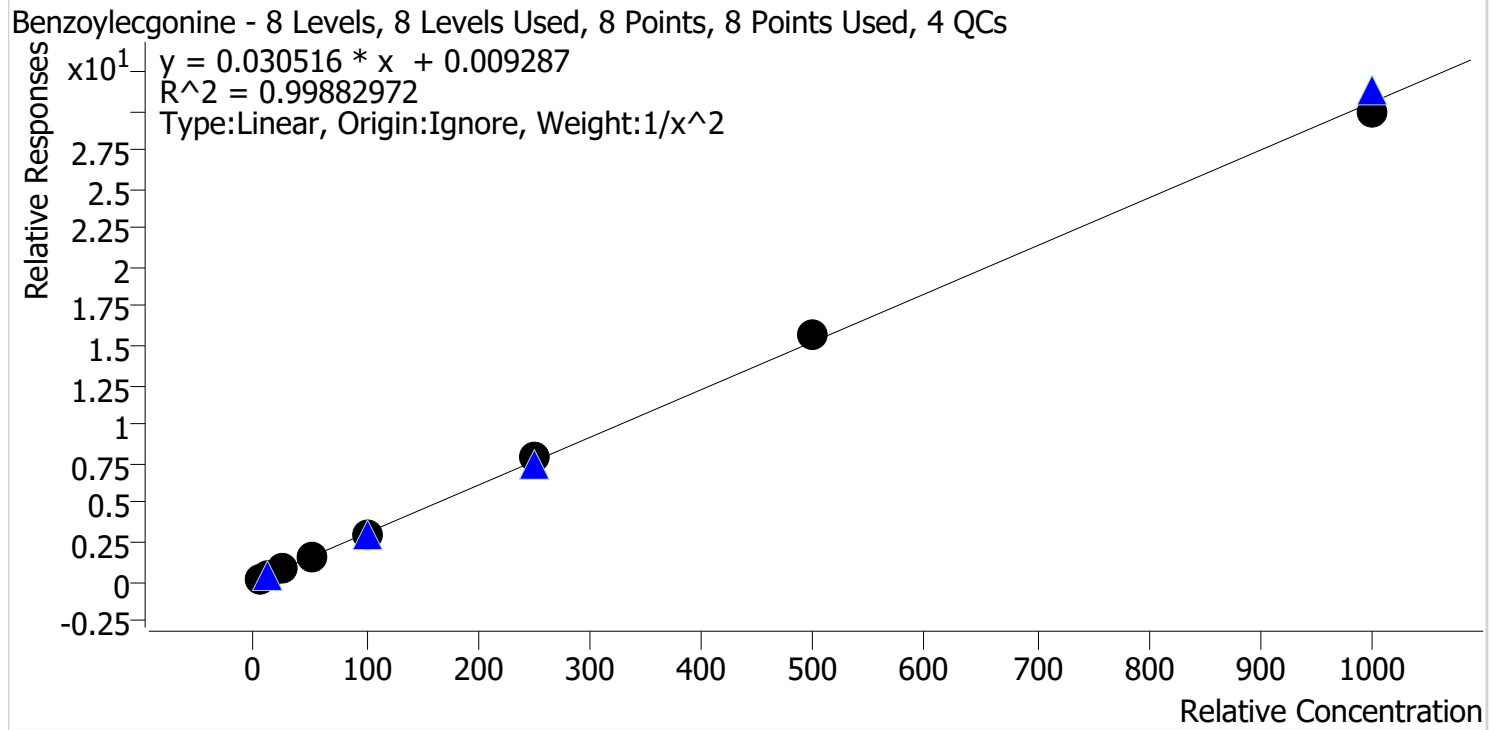


CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



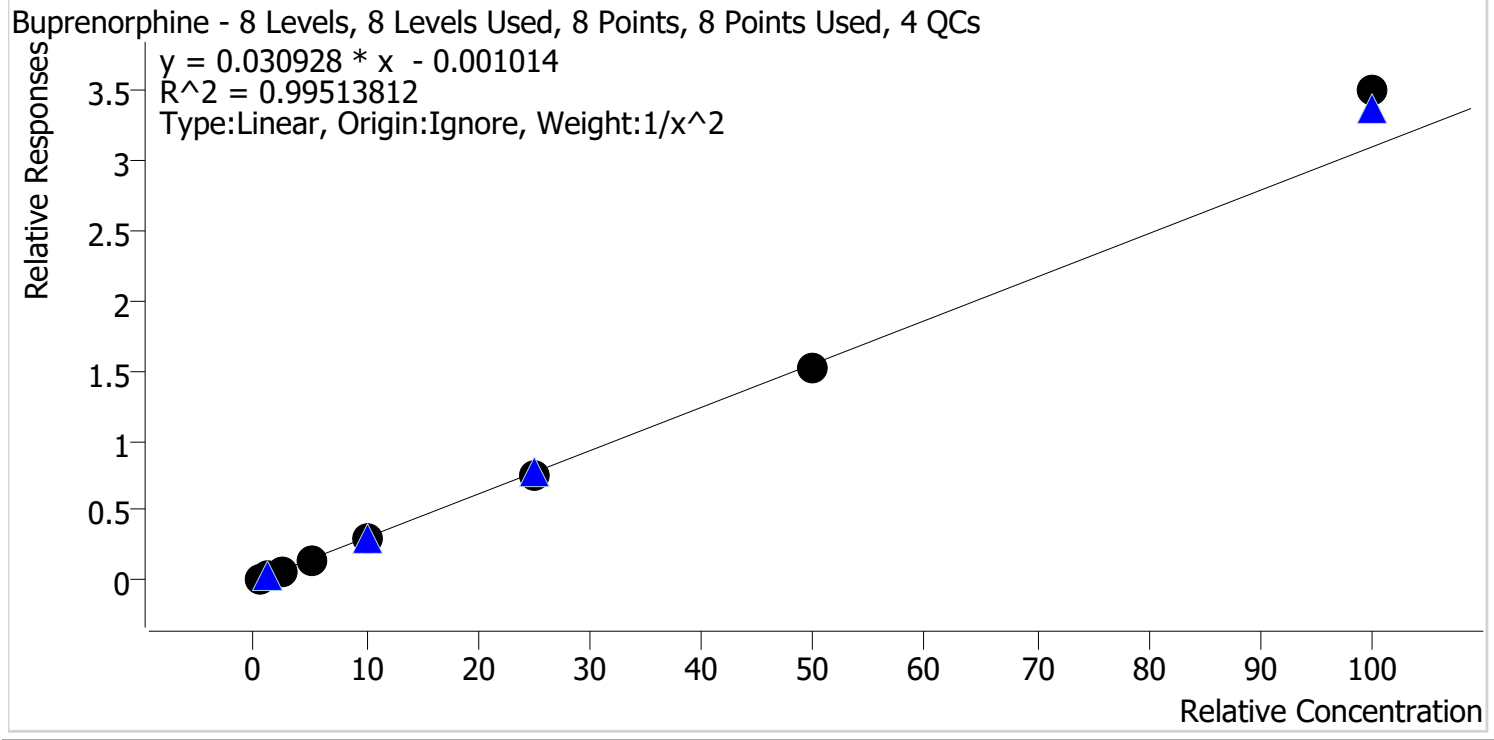
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	976.4	97.6

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

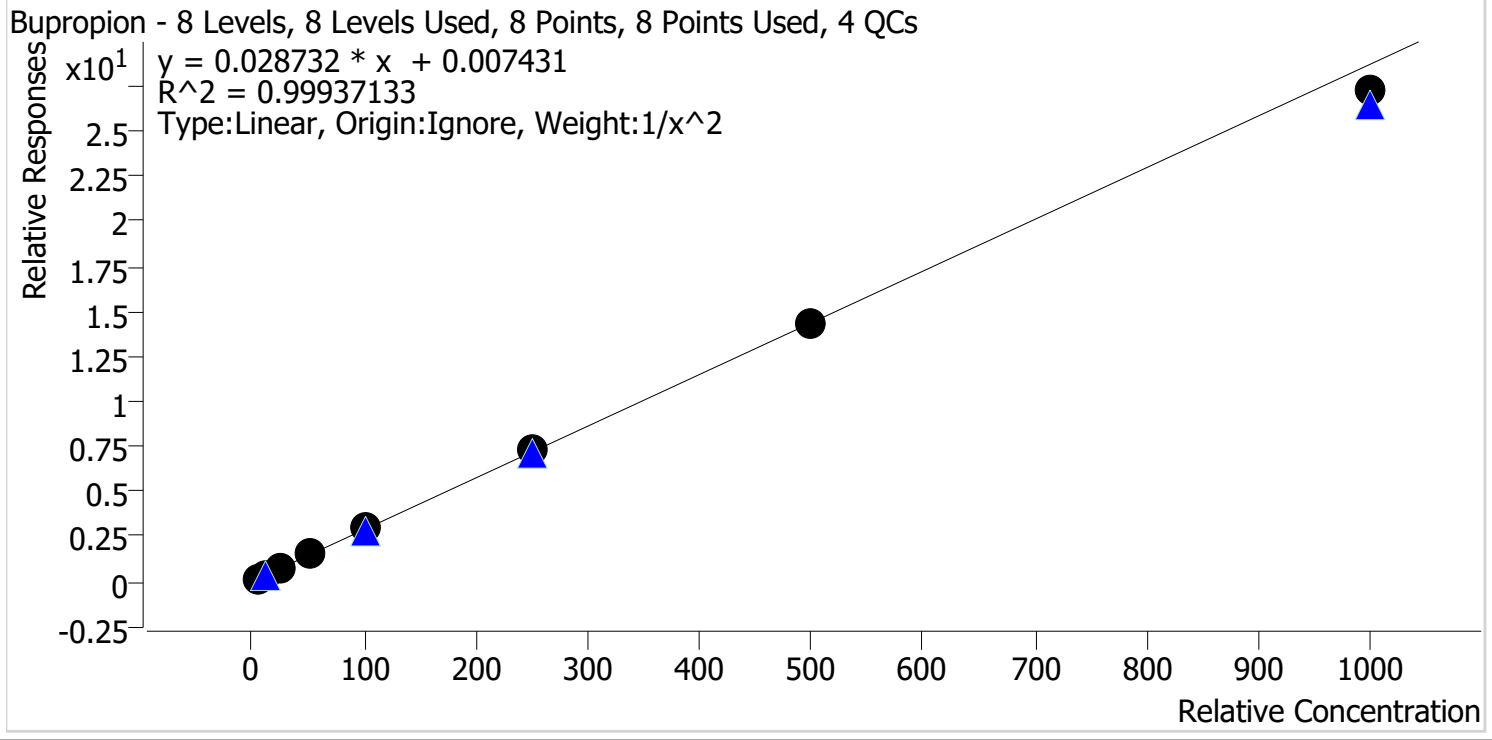


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.2
p1 Cal 2-10ng	2	✓	1.0	0.9	94.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.1
p1 Cal 4-50ng	4	✓	5.0	4.8	95.8
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	24.7	98.7
p1 Cal 7-500ng	7	✓	50.0	49.4	98.9
p1 Cal 8-1000ng	8	✓	100.0	113.0	113.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

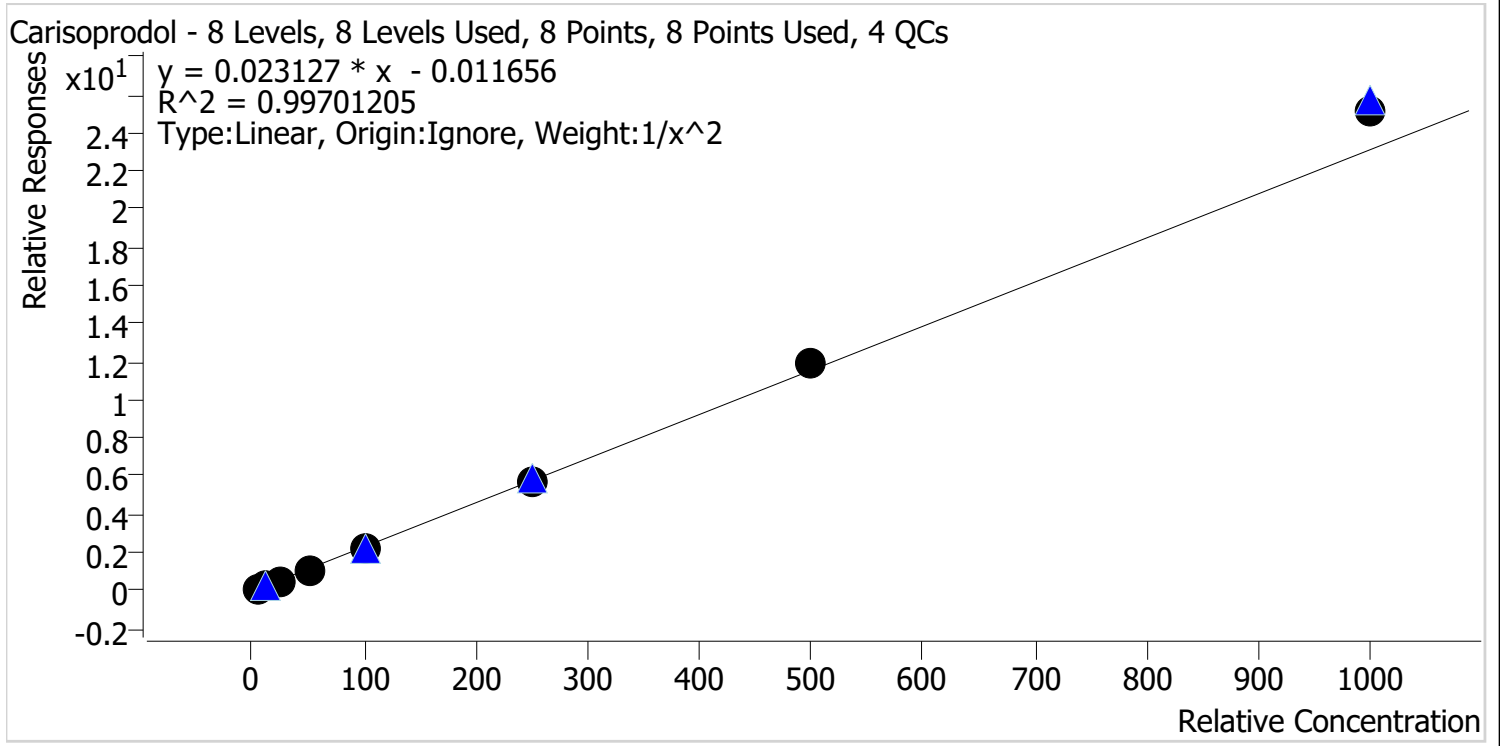


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	253.6	101.5
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	949.1	94.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



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	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	47.2	94.3
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1090.4	109.0

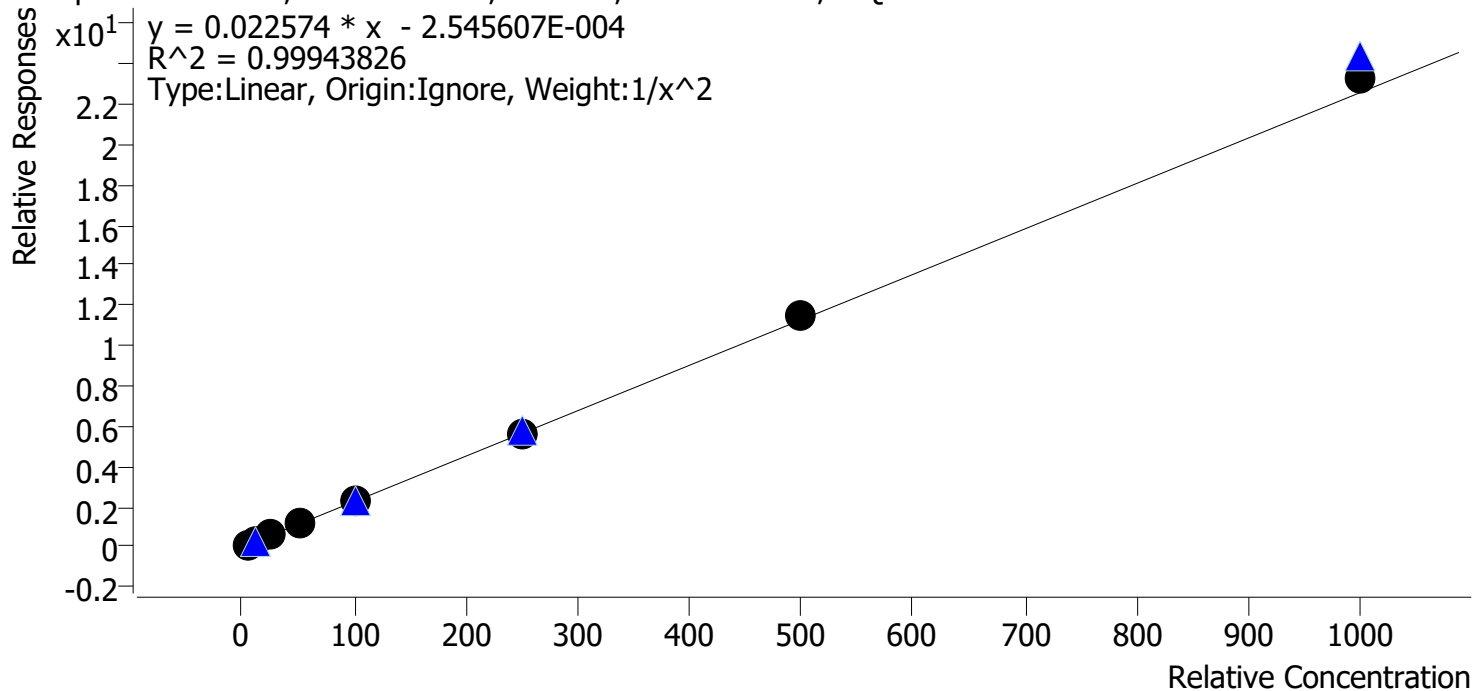
CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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

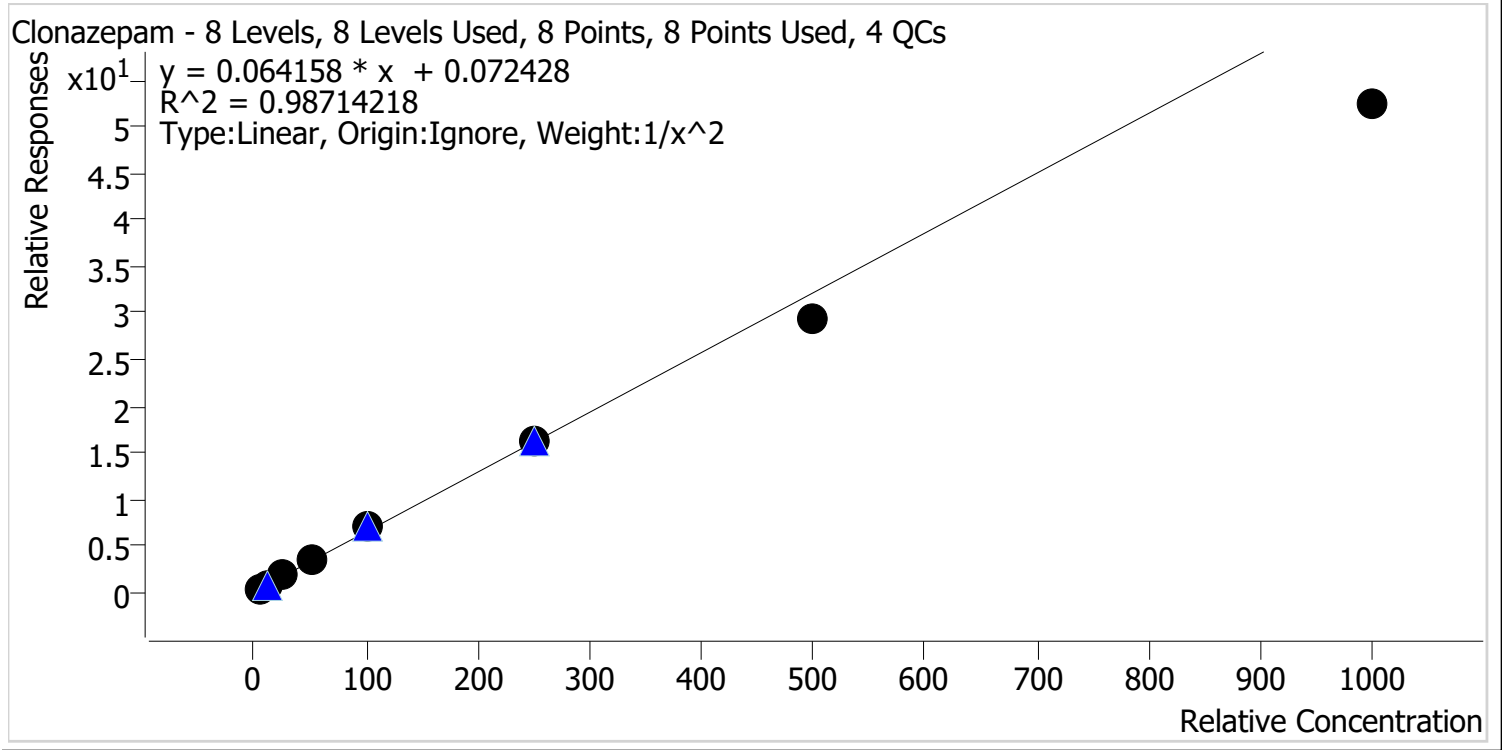


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1032.5	103.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

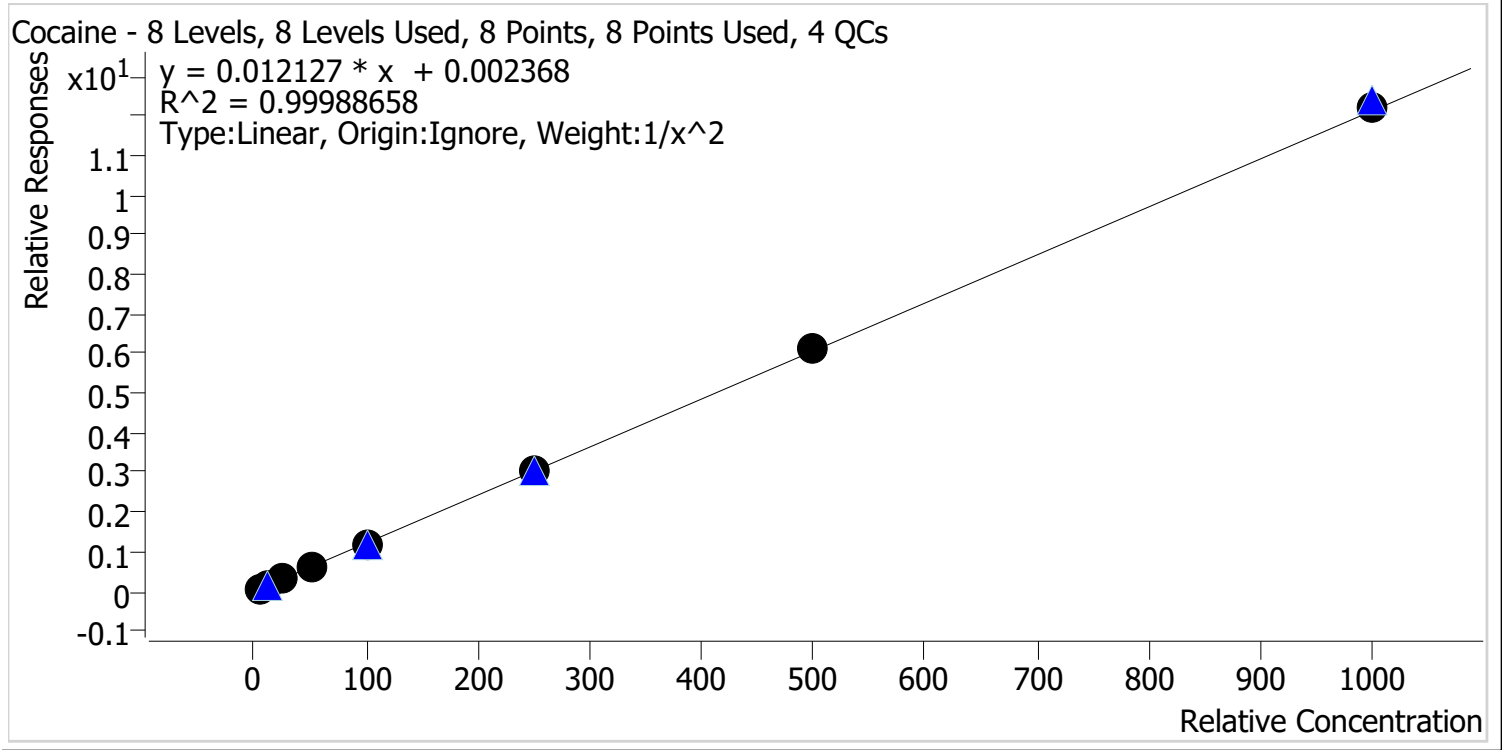


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.6
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	108.9	108.9
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	458.0	91.6
p1 Cal 8-1000ng	8	✓	1000.0	815.0	81.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3



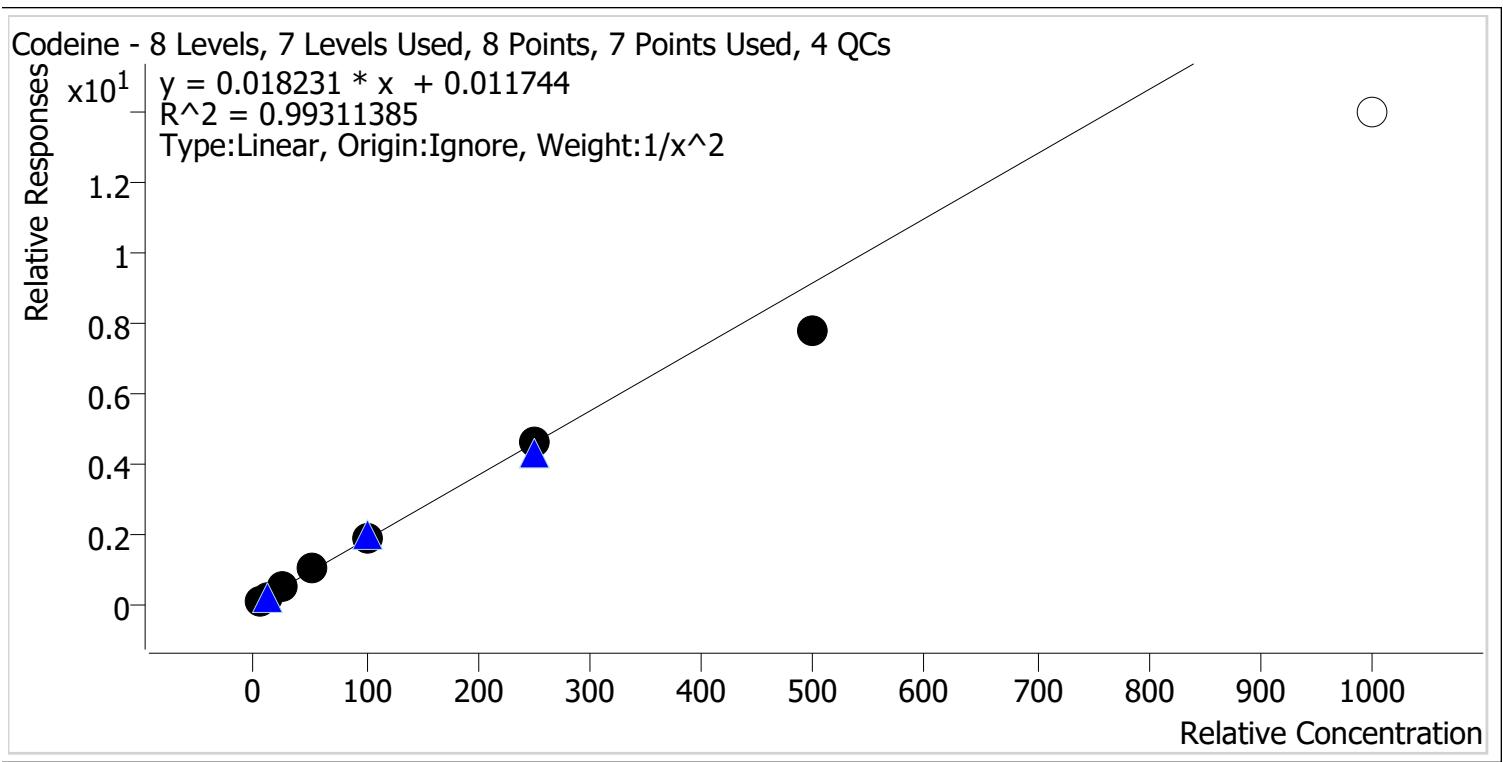
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1004.6	100.5

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	426.2	85.2
p1 Cal 8-1000ng	8	✗	1000.0	764.4	76.4

Calibrator 8 dropped due to not meeting accuracy requirement.



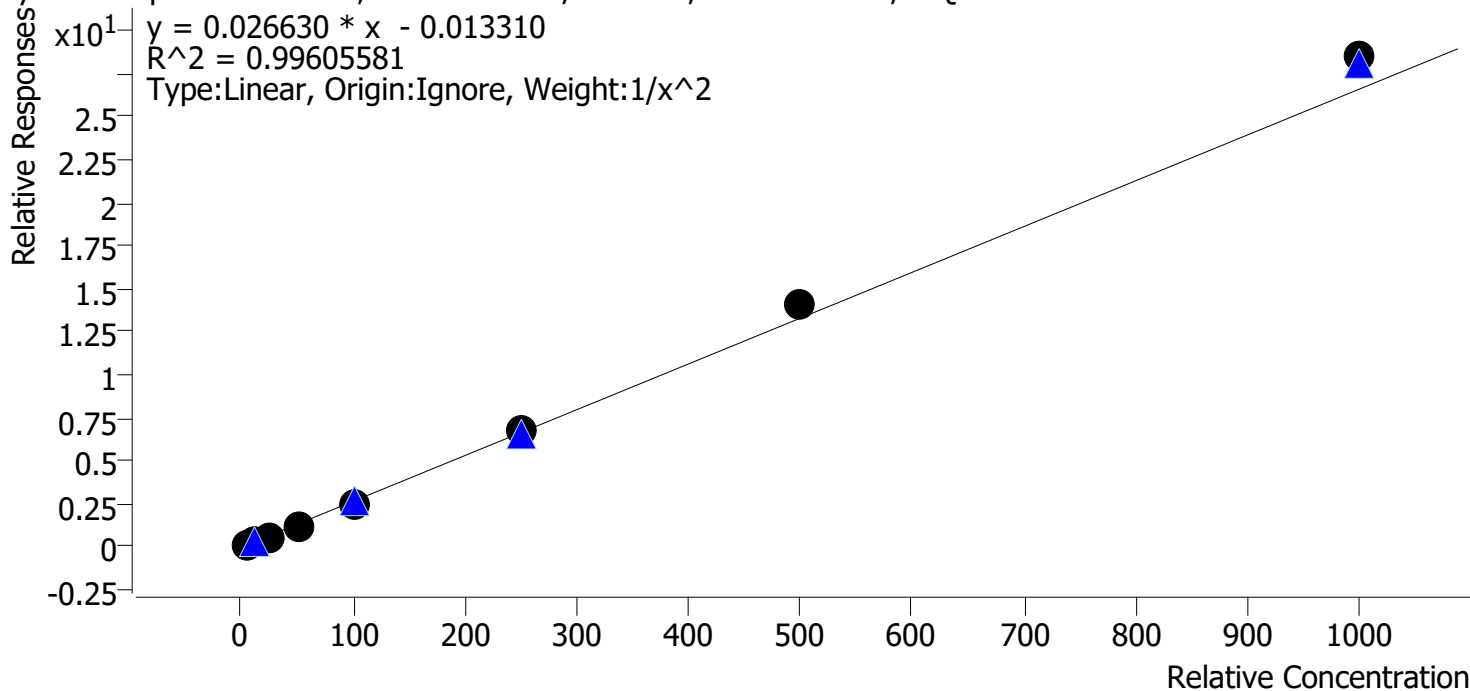
CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**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	103.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	531.9	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1071.2	107.1

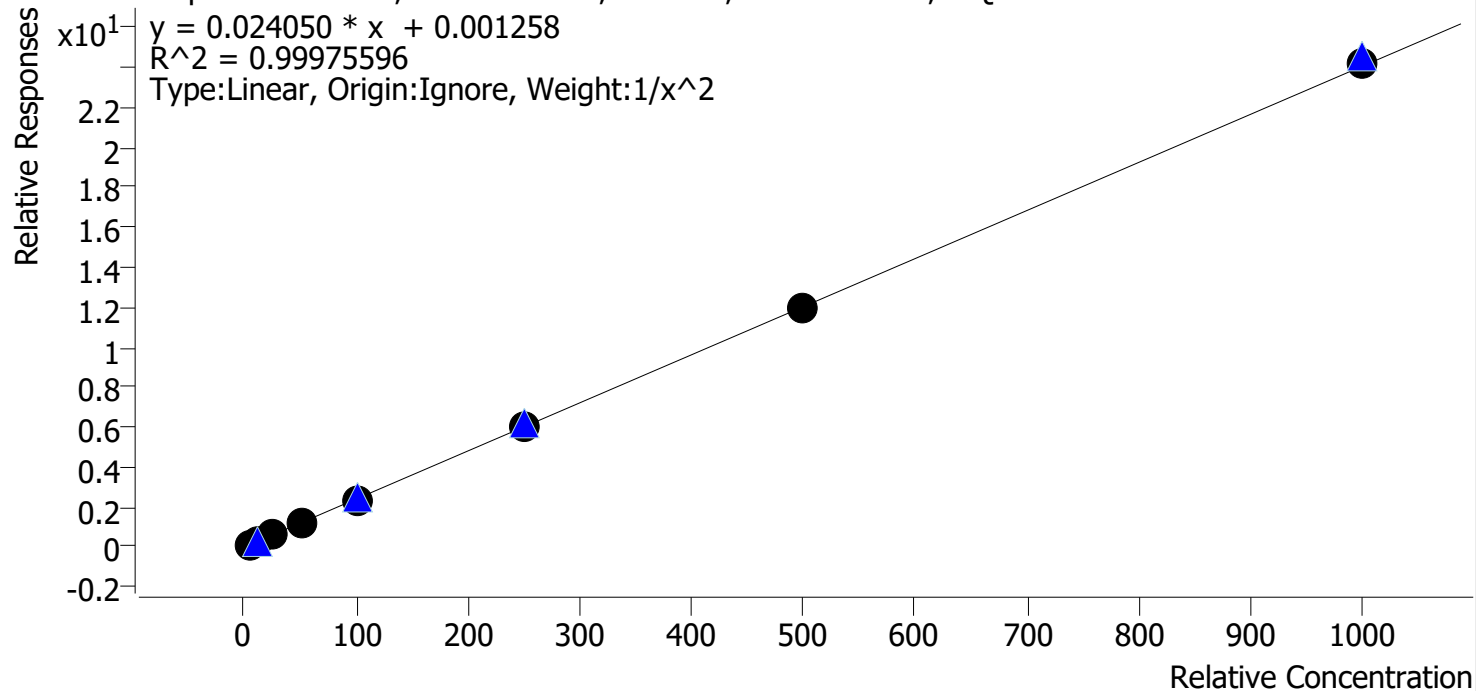
CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

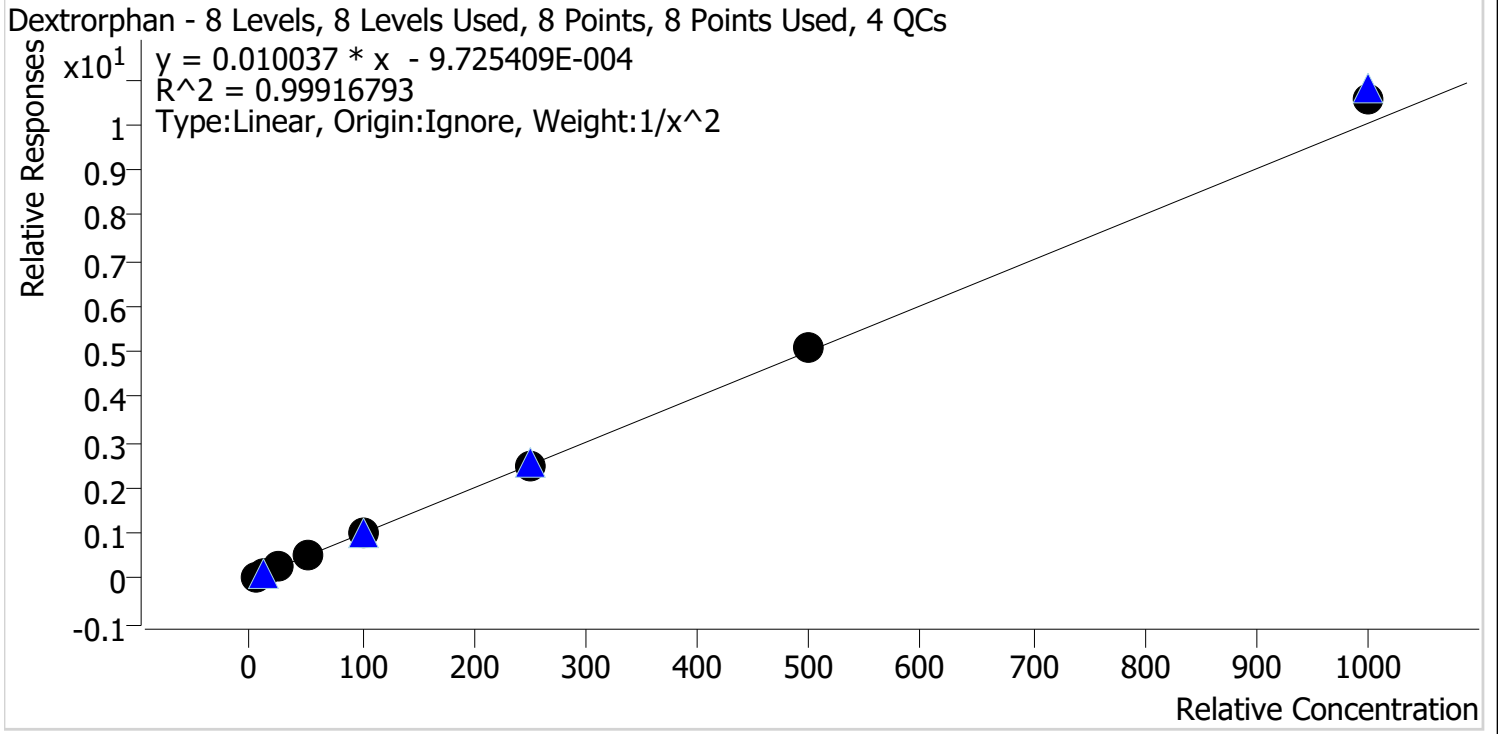


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1005.6	100.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

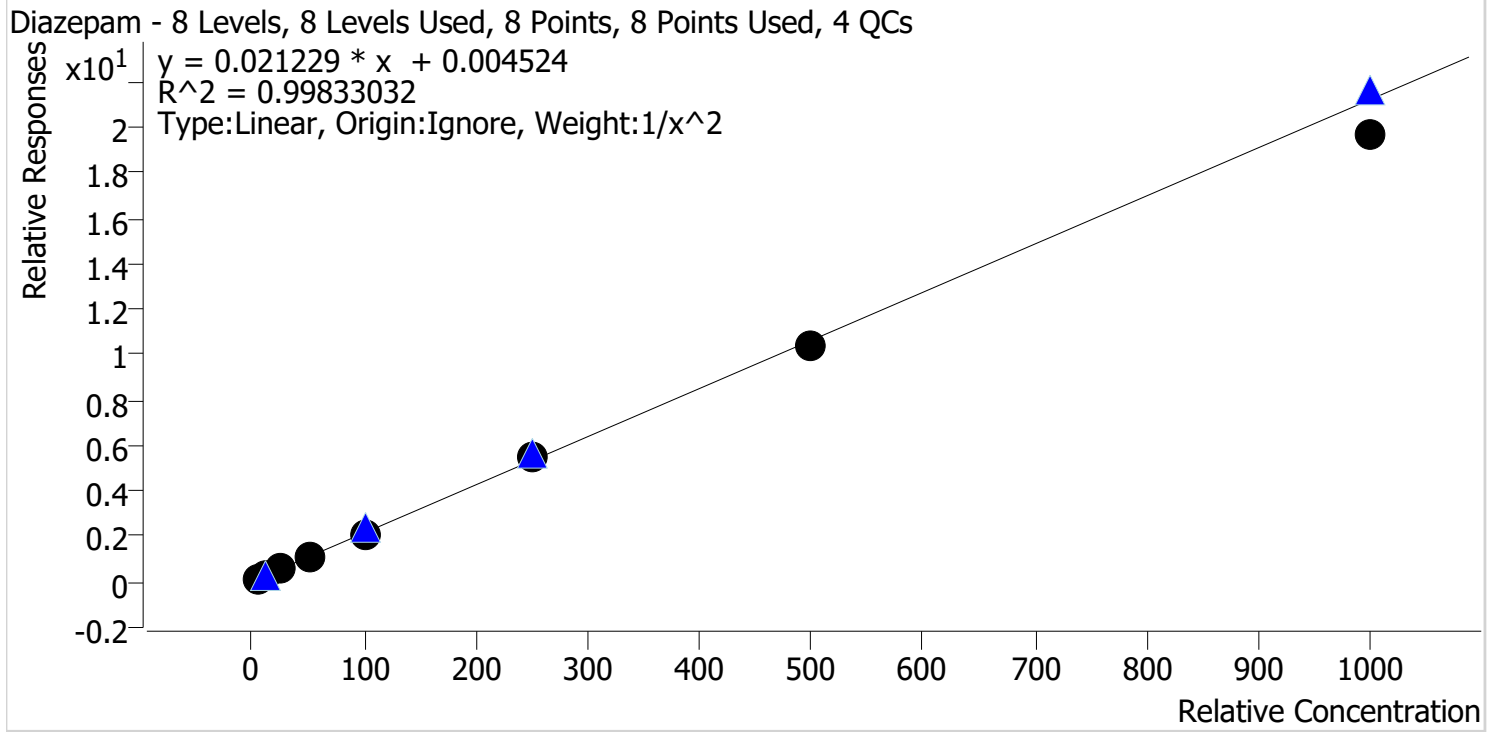


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	506.8	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1049.7	105.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

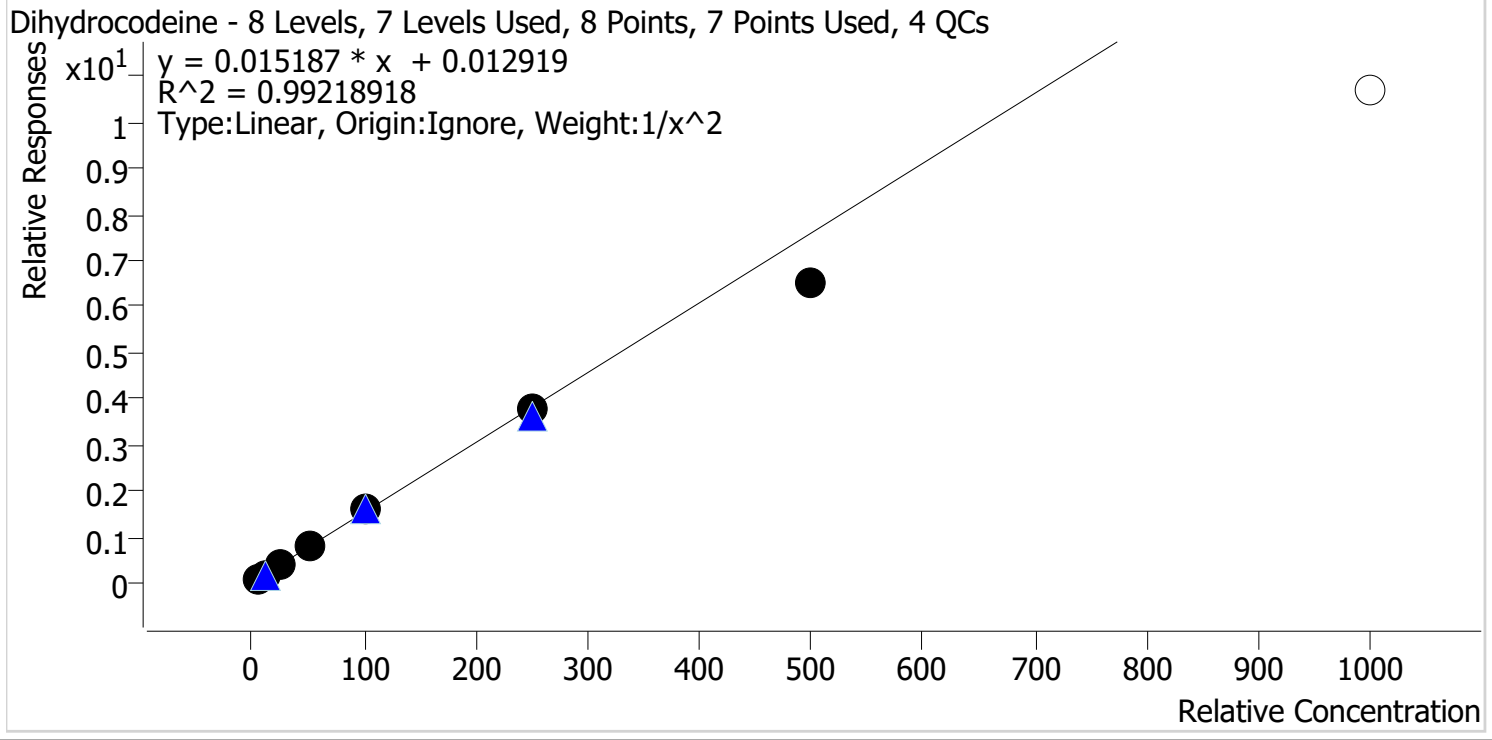


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	260.4	104.2
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	929.3	92.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



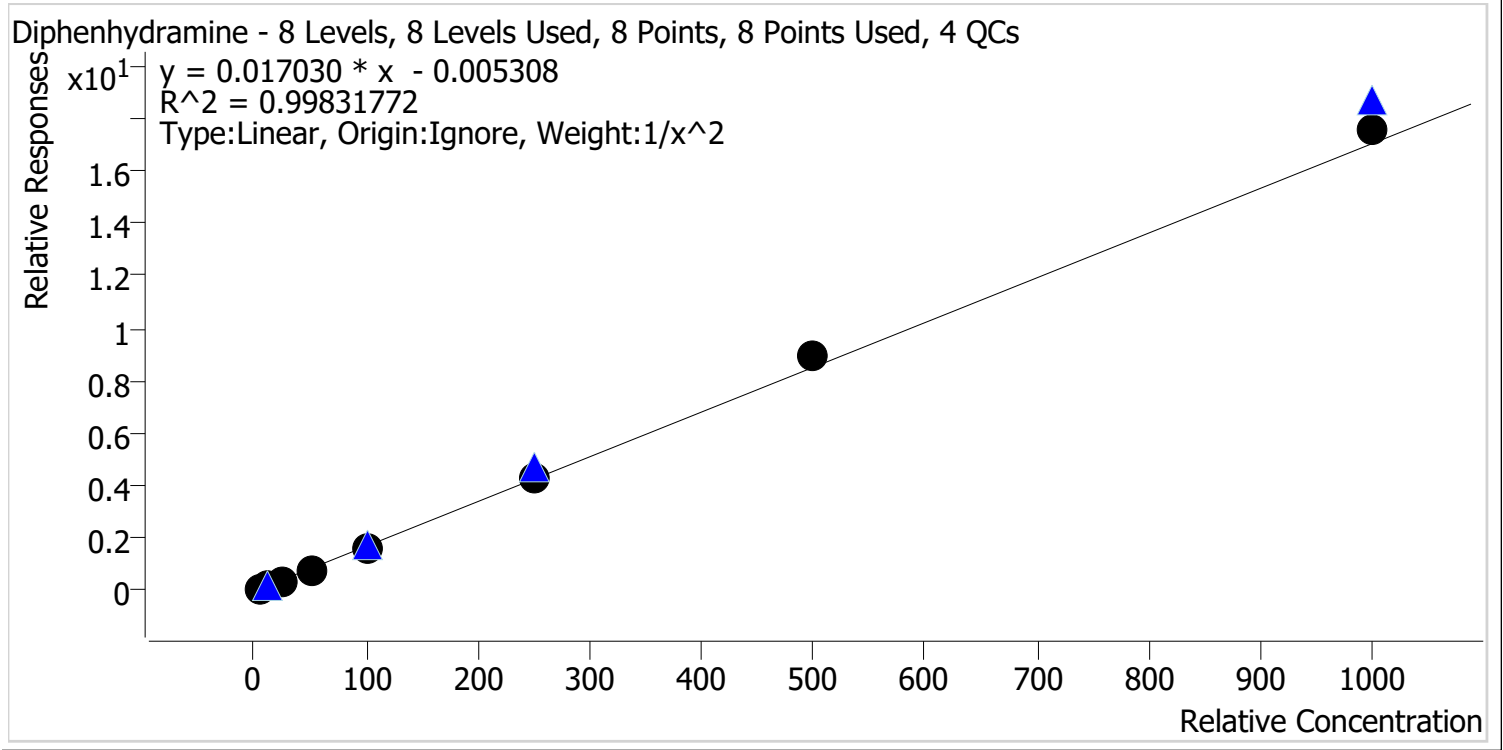
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	426.5	85.3
p1 Cal 8-1000ng	8	✗	1000.0	703.9	70.4

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



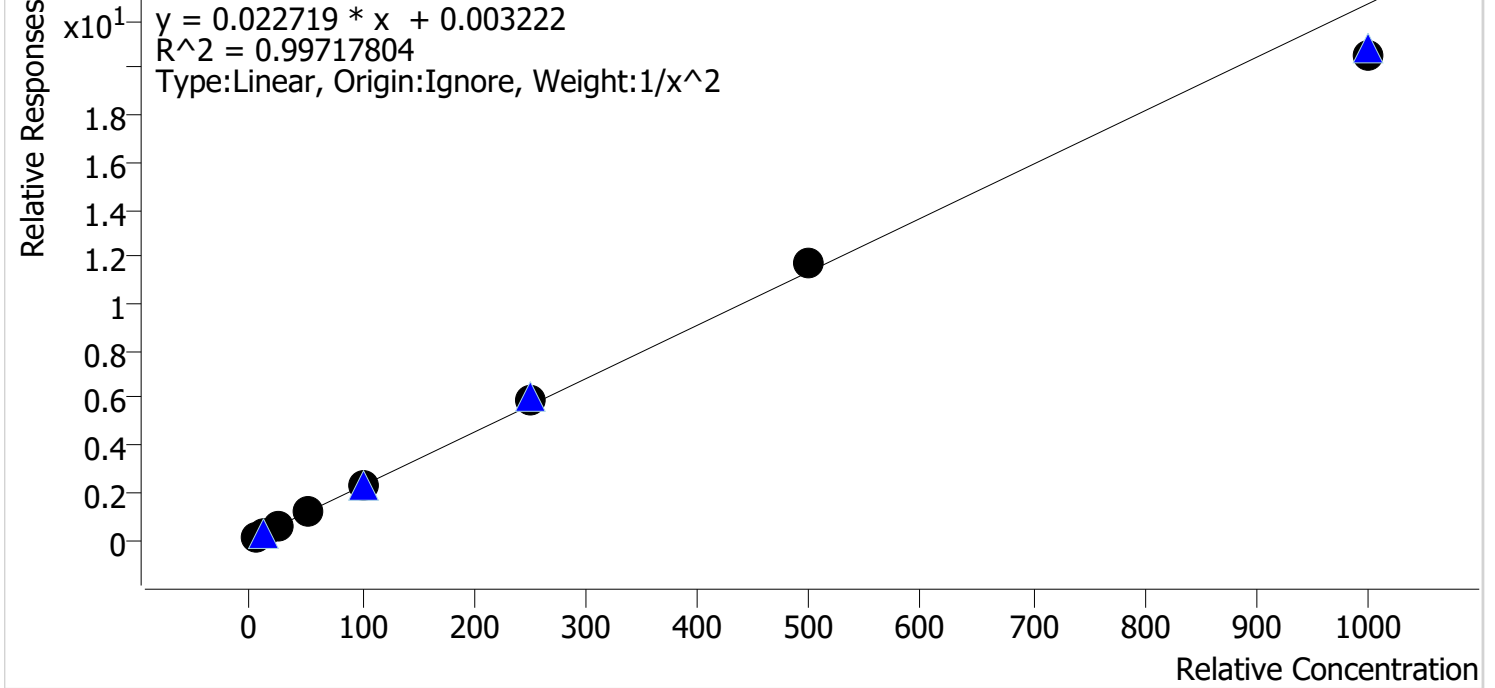
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	526.0	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1033.6	103.4



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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

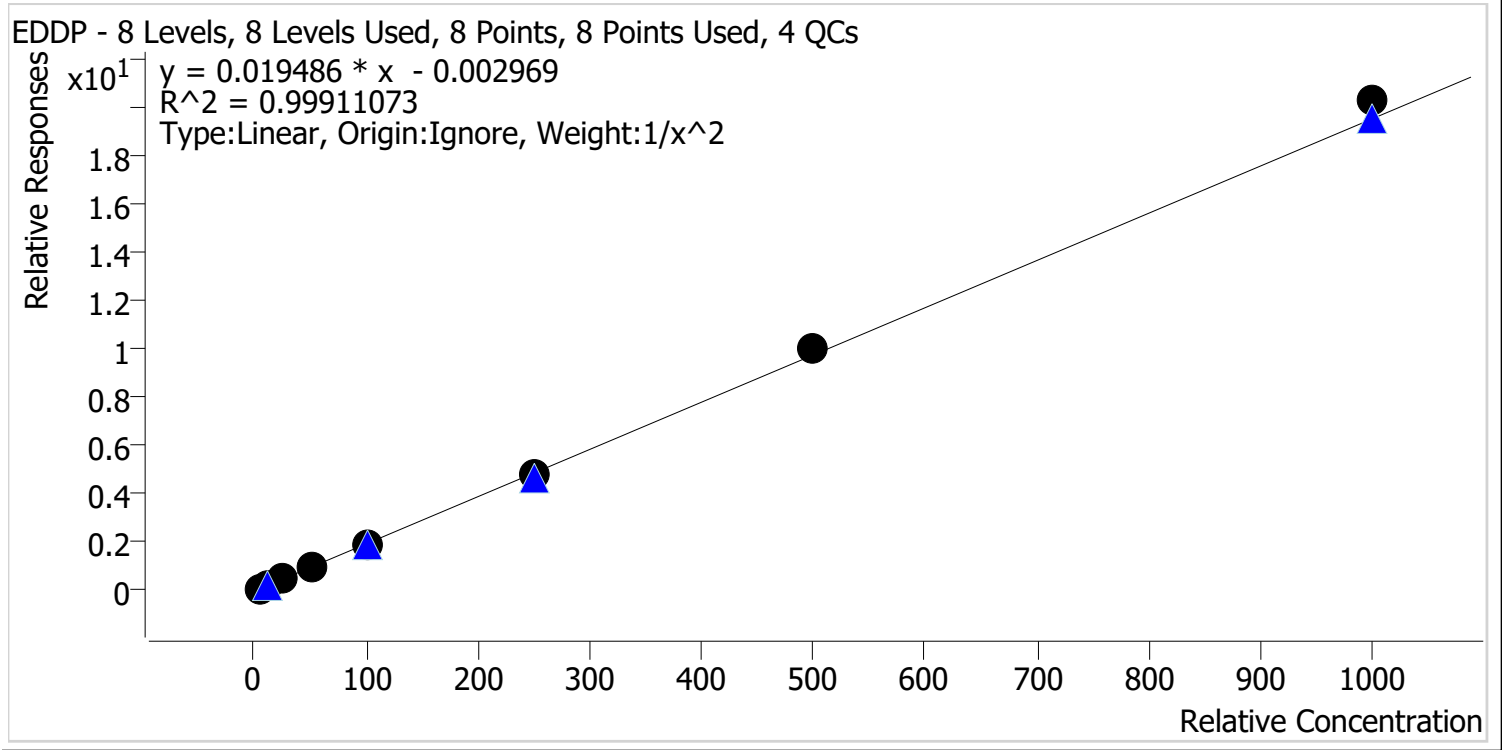


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	901.2	90.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	516.7	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1038.6	103.9

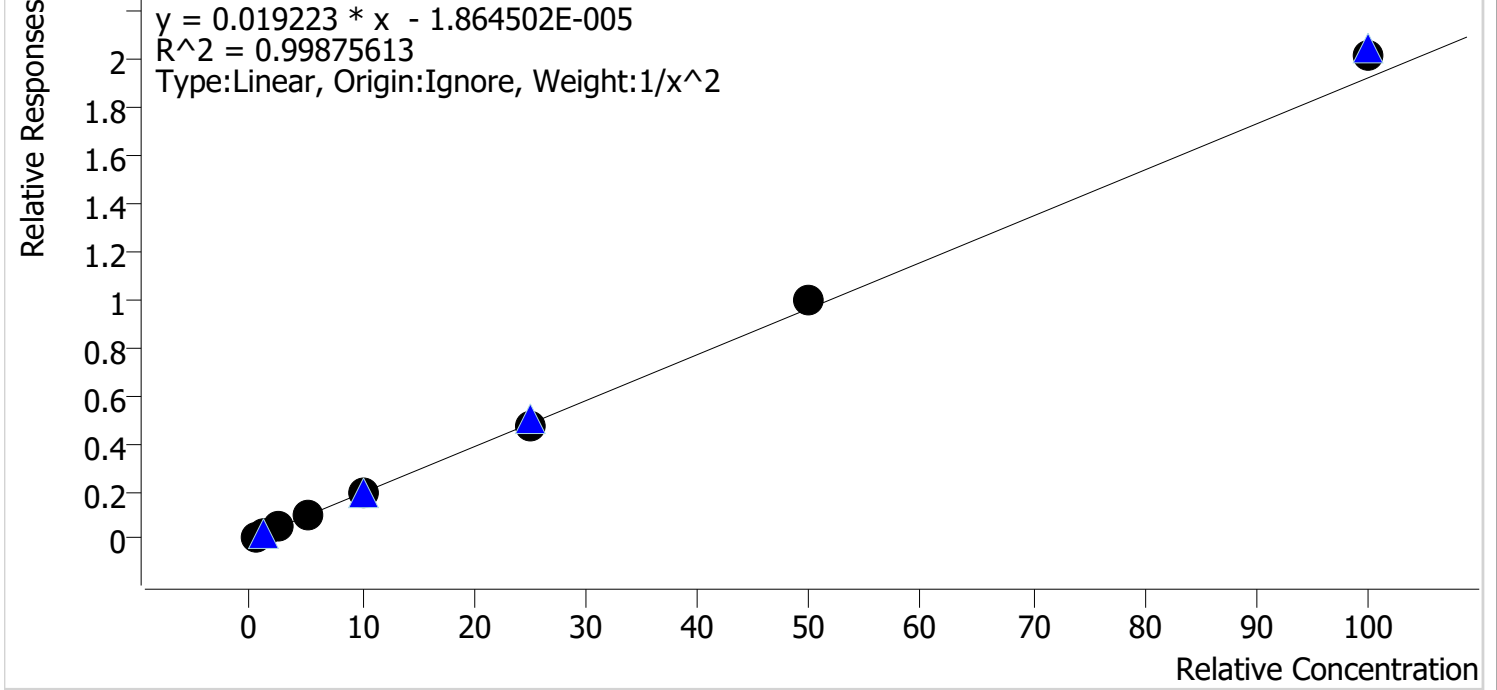




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



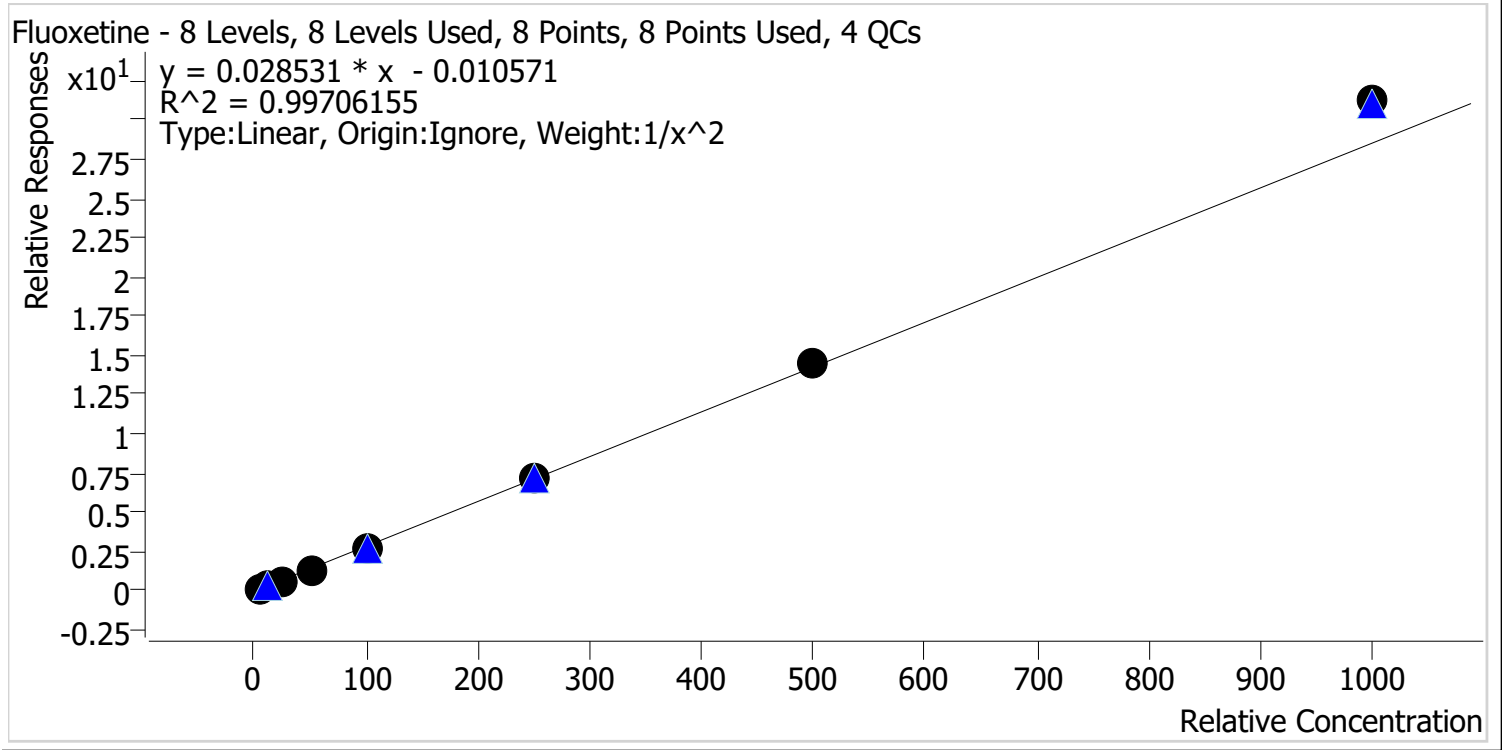
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.3
p1 Cal 2-10ng	2	✓	1.0	1.0	96.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	4.8	96.8
p1 Cal 5-100ng	5	✓	10.0	10.0	99.6
p1 Cal 6-250ng	6	✓	25.0	24.6	98.2
p1 Cal 7-500ng	7	✓	50.0	51.4	102.9
p1 Cal 8-1000ng	8	✓	100.0	105.0	105.0

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

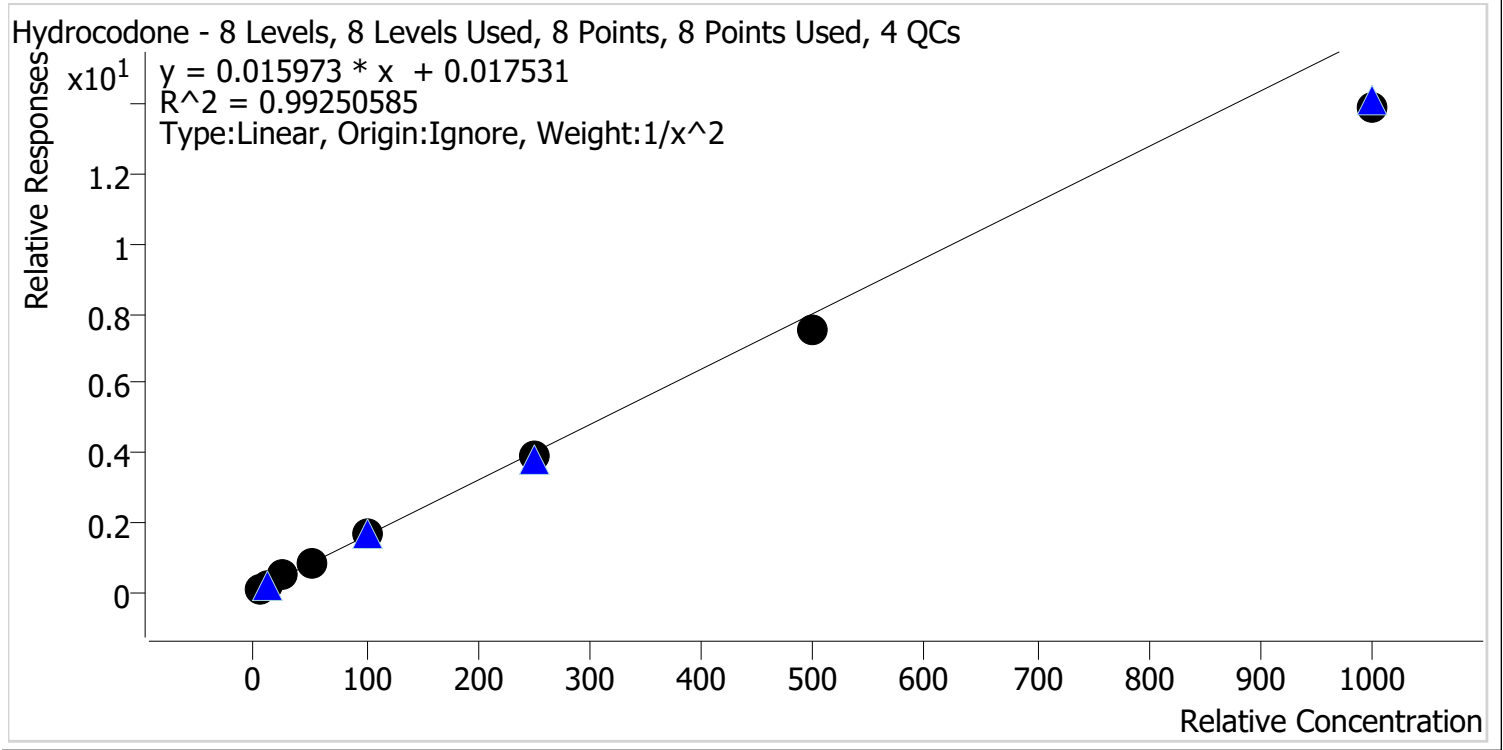


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1095.0	109.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



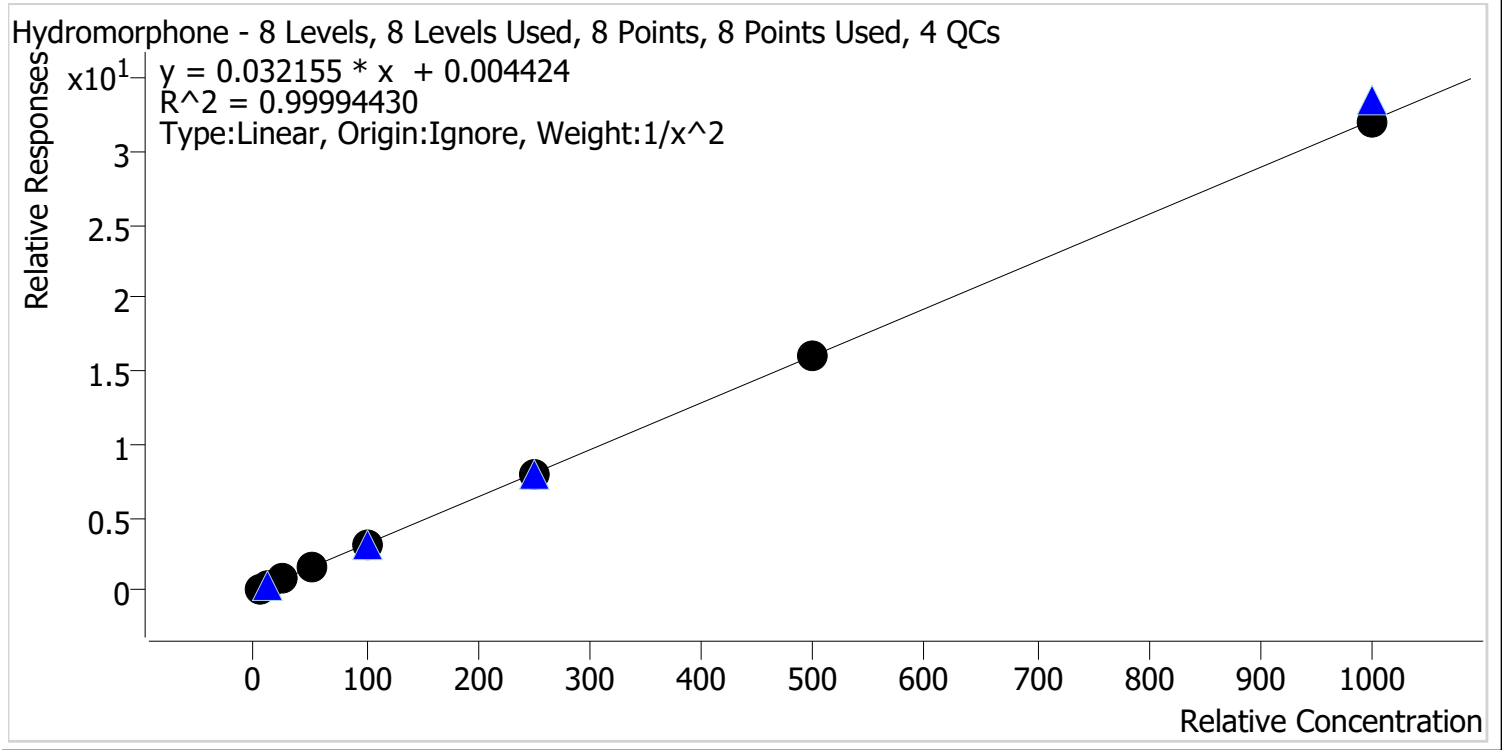
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.4
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	469.2	93.8
p1 Cal 8-1000ng	8	✓	1000.0	871.1	87.1

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

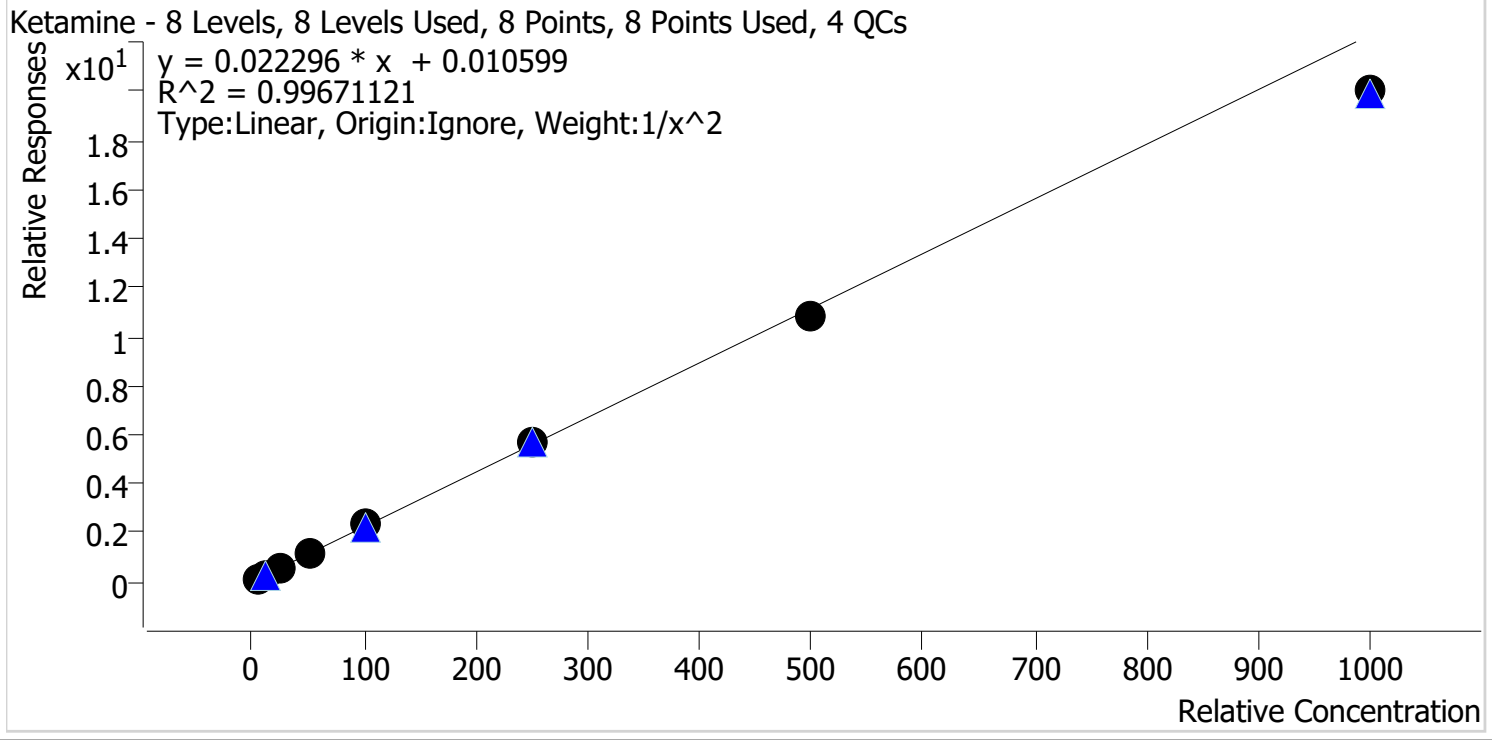


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	998.1	99.8



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



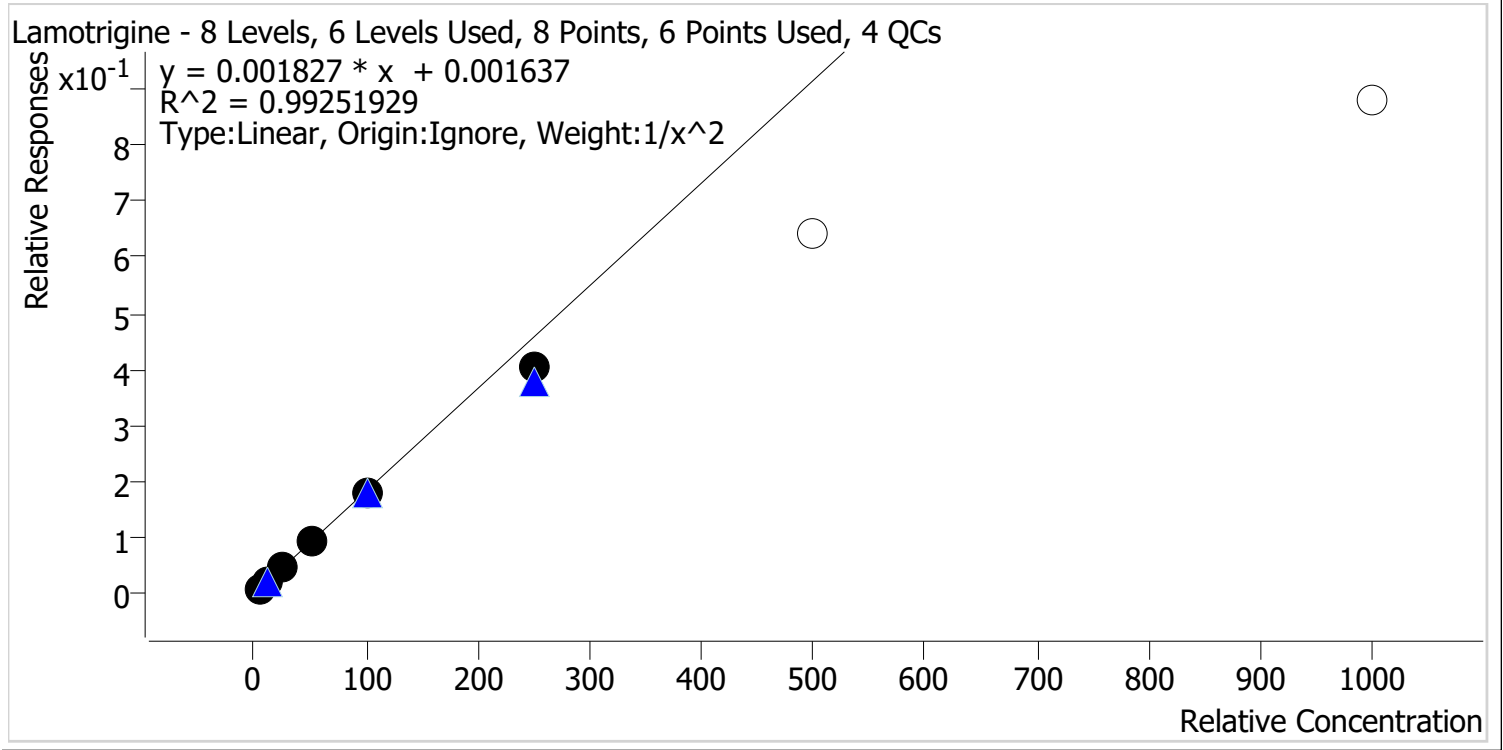
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	898.2	89.8

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	219.6	87.8
p1 Cal 7-500ng	7	x	500.0	349.8	70.0
p1 Cal 8-1000ng	8	x	1000.0	480.3	48.0

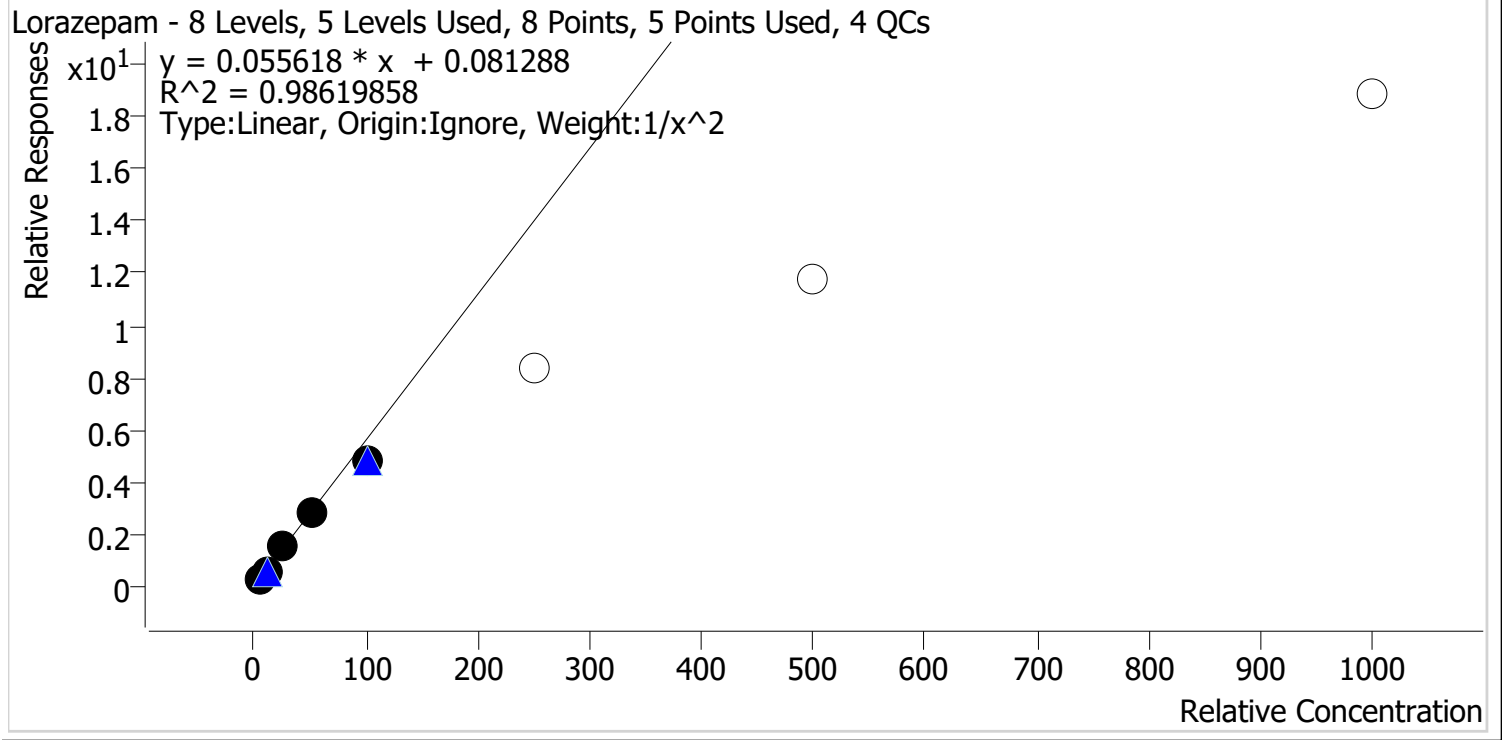
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**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	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	86.9	86.9
p1 Cal 6-250ng	6	✗	250.0	149.5	59.8
p1 Cal 7-500ng	7	✗	500.0	210.9	42.2
p1 Cal 8-1000ng	8	✗	1000.0	337.9	33.8

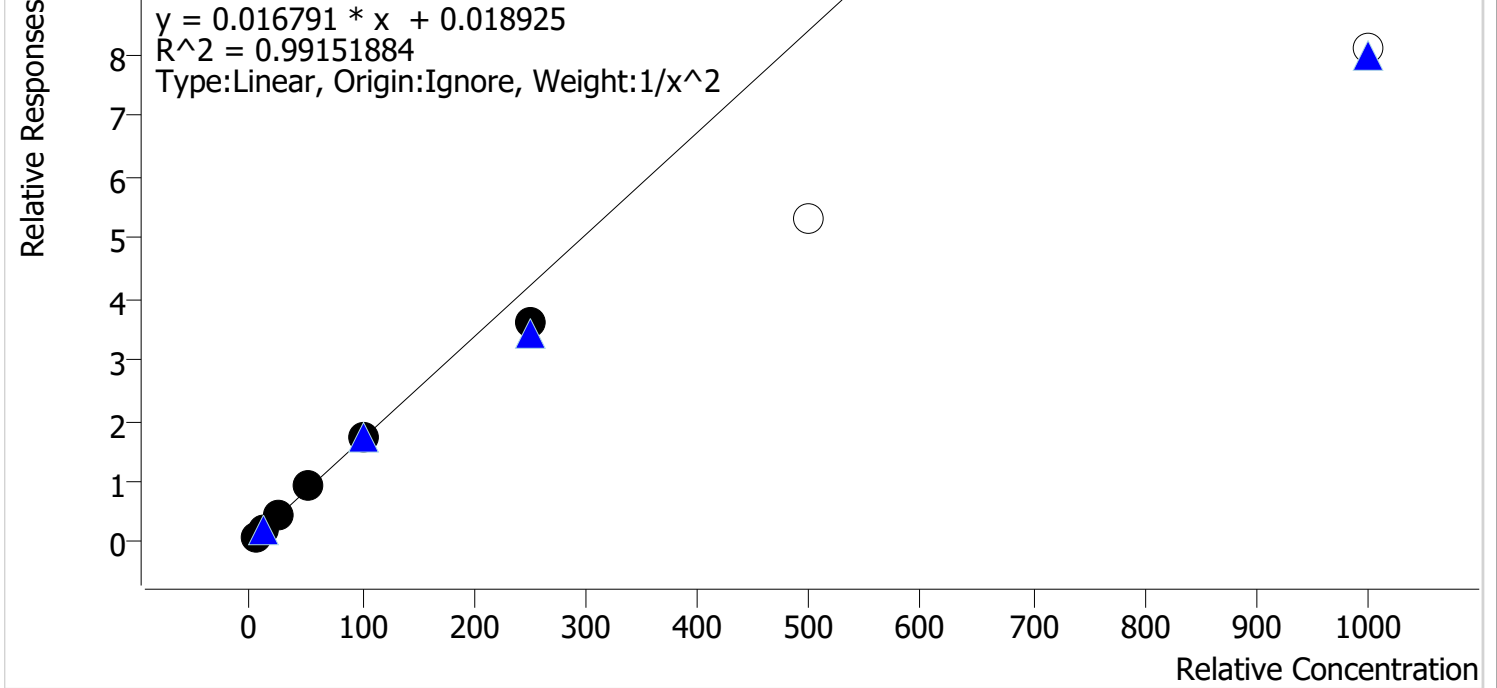
Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	104.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.6	107.1
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	216.0	86.4
p1 Cal 7-500ng	7	x	500.0	316.0	63.2
p1 Cal 8-1000ng	8	x	1000.0	481.7	48.2

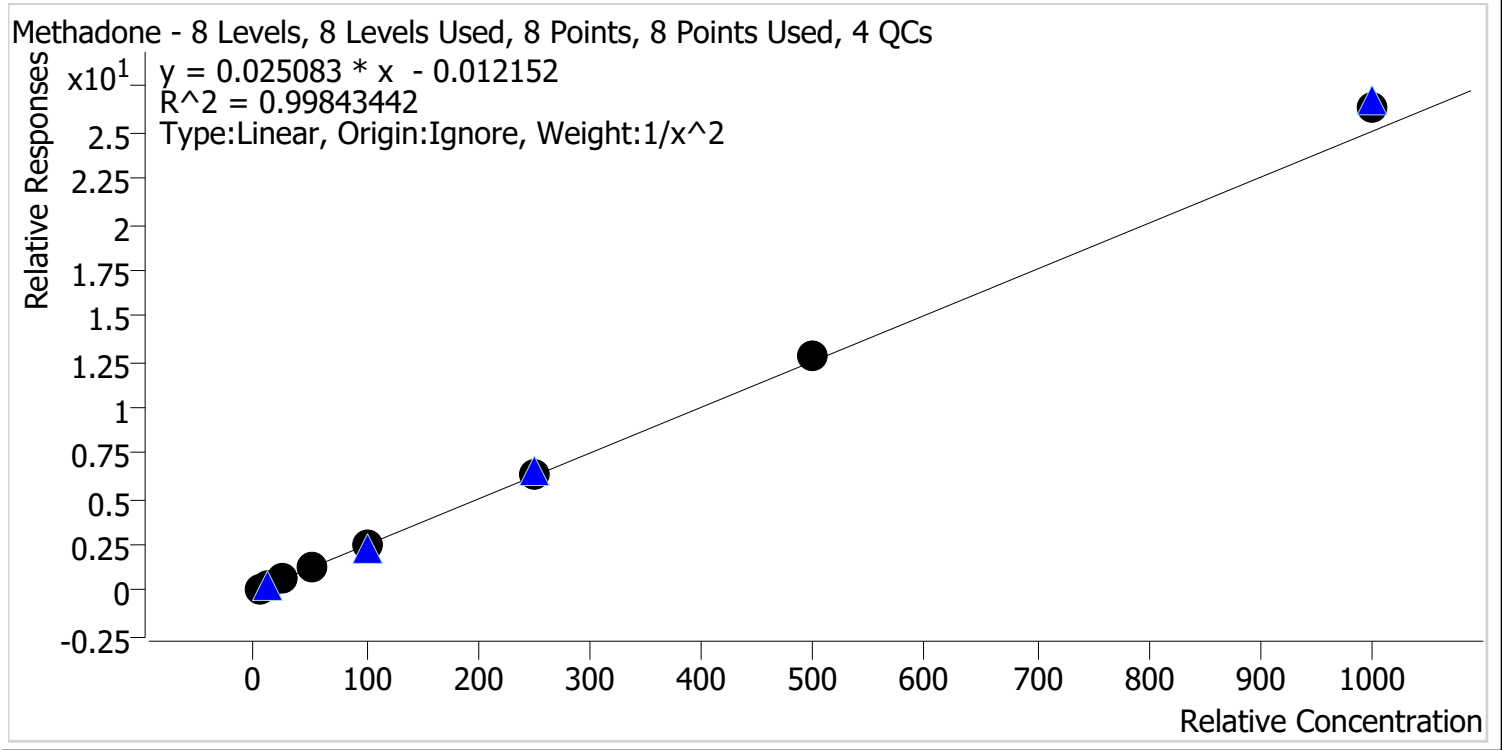
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



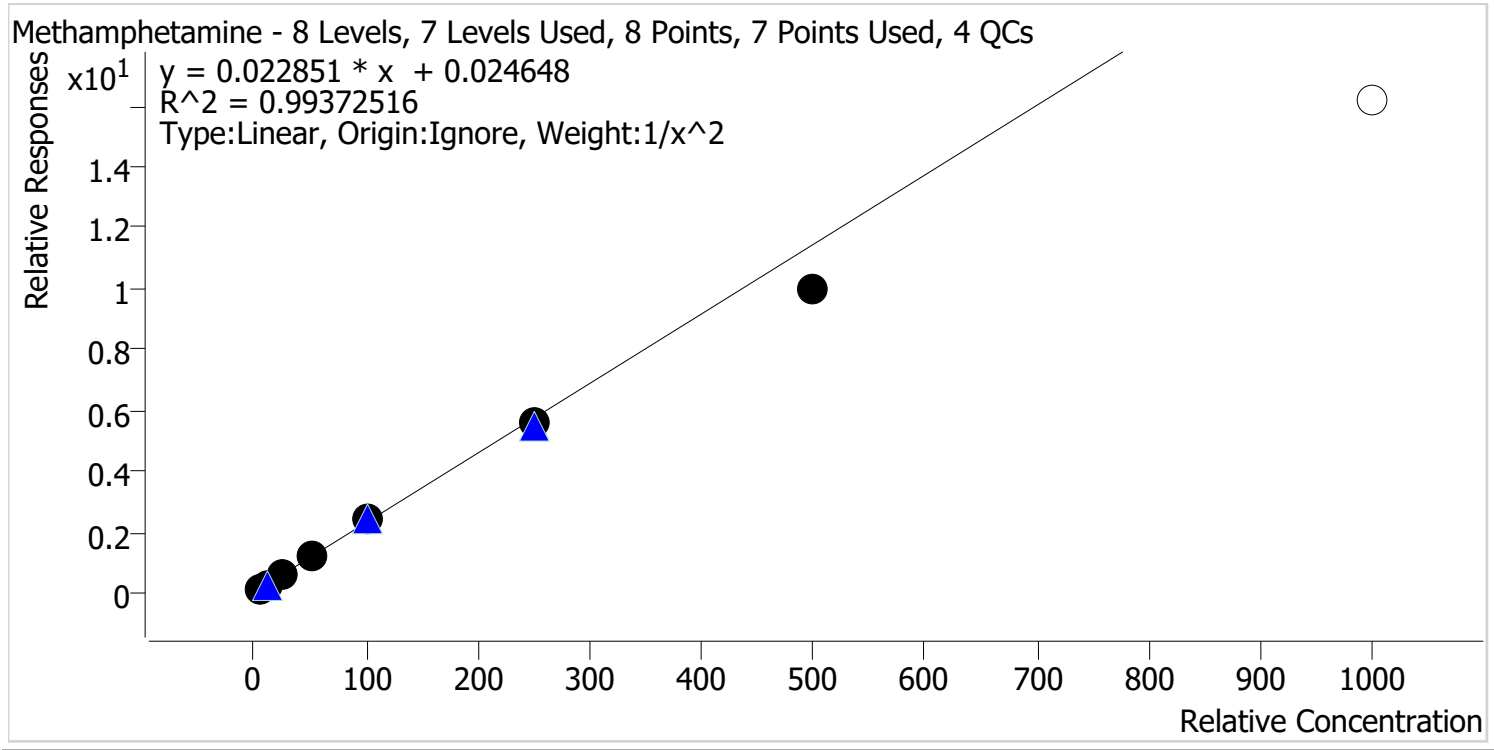
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1051.9	105.2

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	245.4	98.2
p1 Cal 7-500ng	7	✓	500.0	434.7	86.9
p1 Cal 8-1000ng	8	✗	1000.0	706.8	70.7

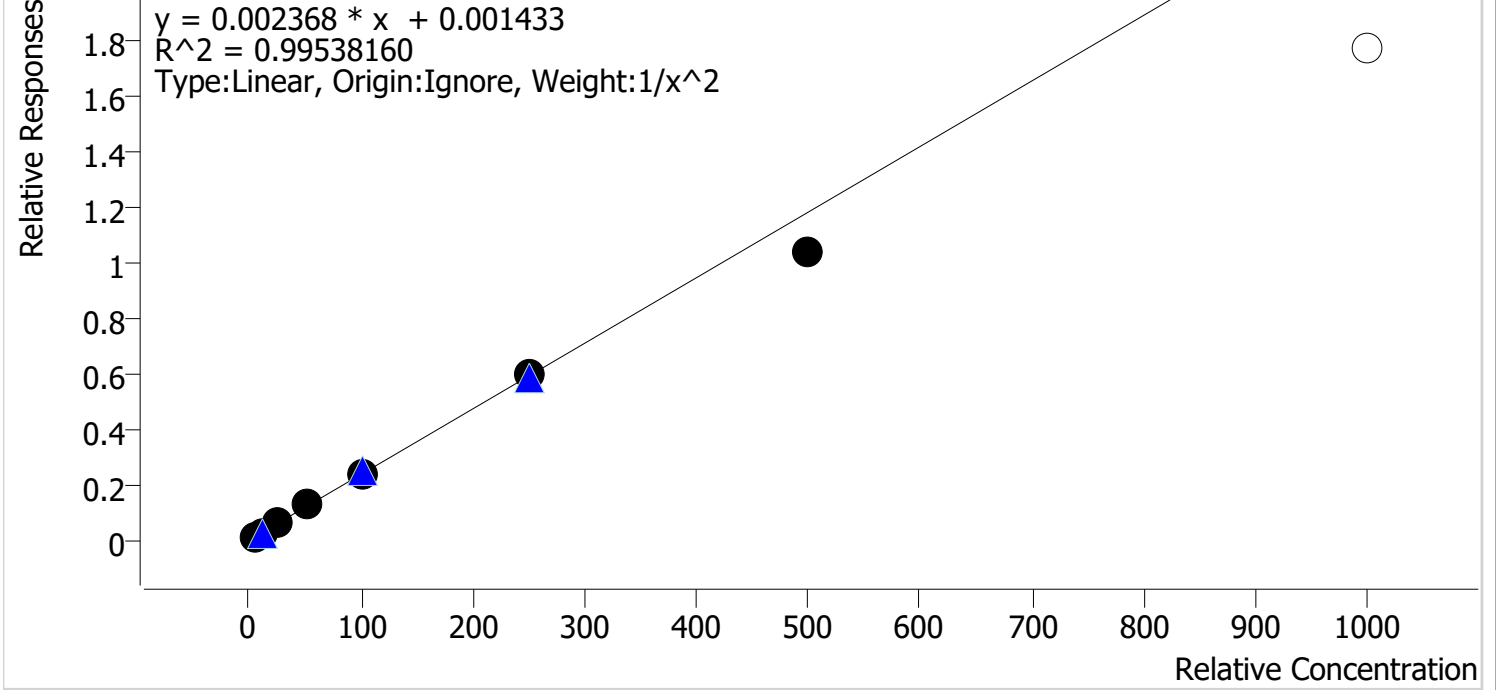
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 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	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	441.4	88.3
p1 Cal 8-1000ng	8	✗	1000.0	749.4	74.9

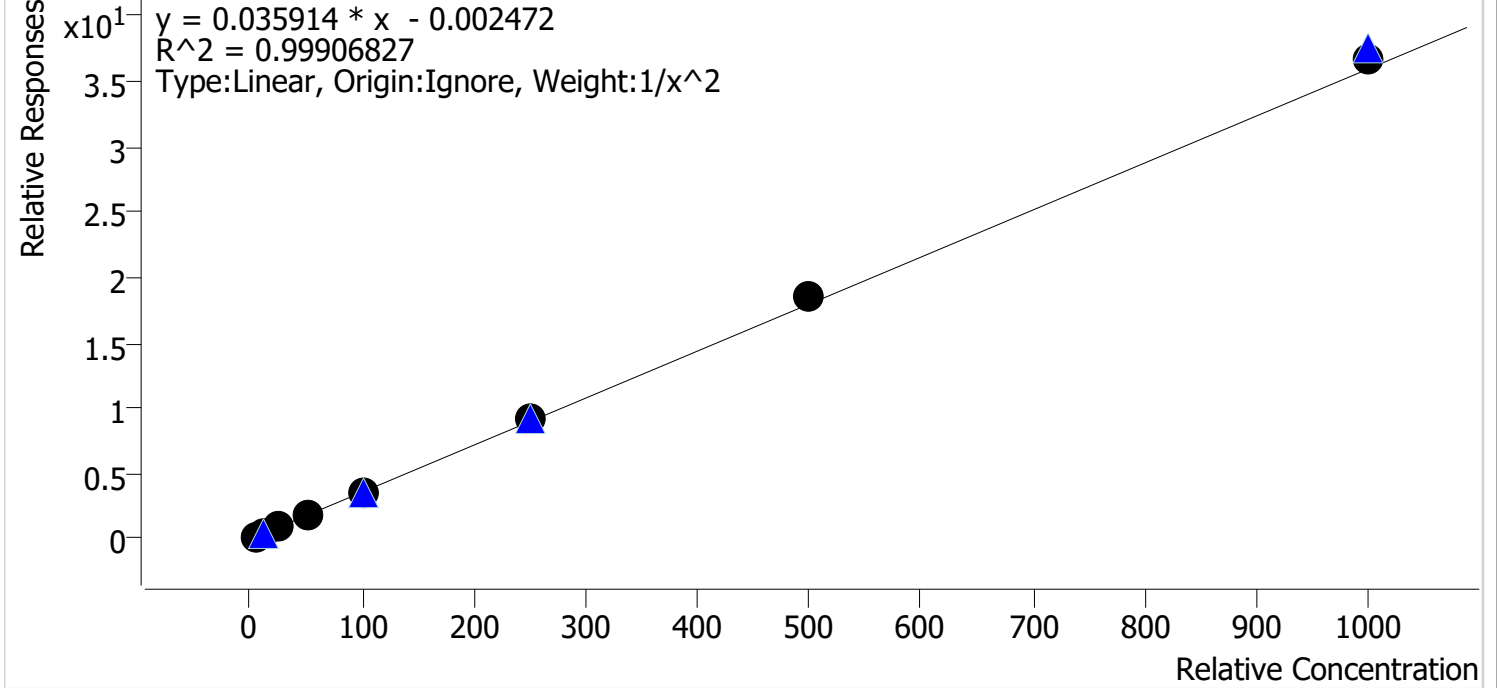
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8

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



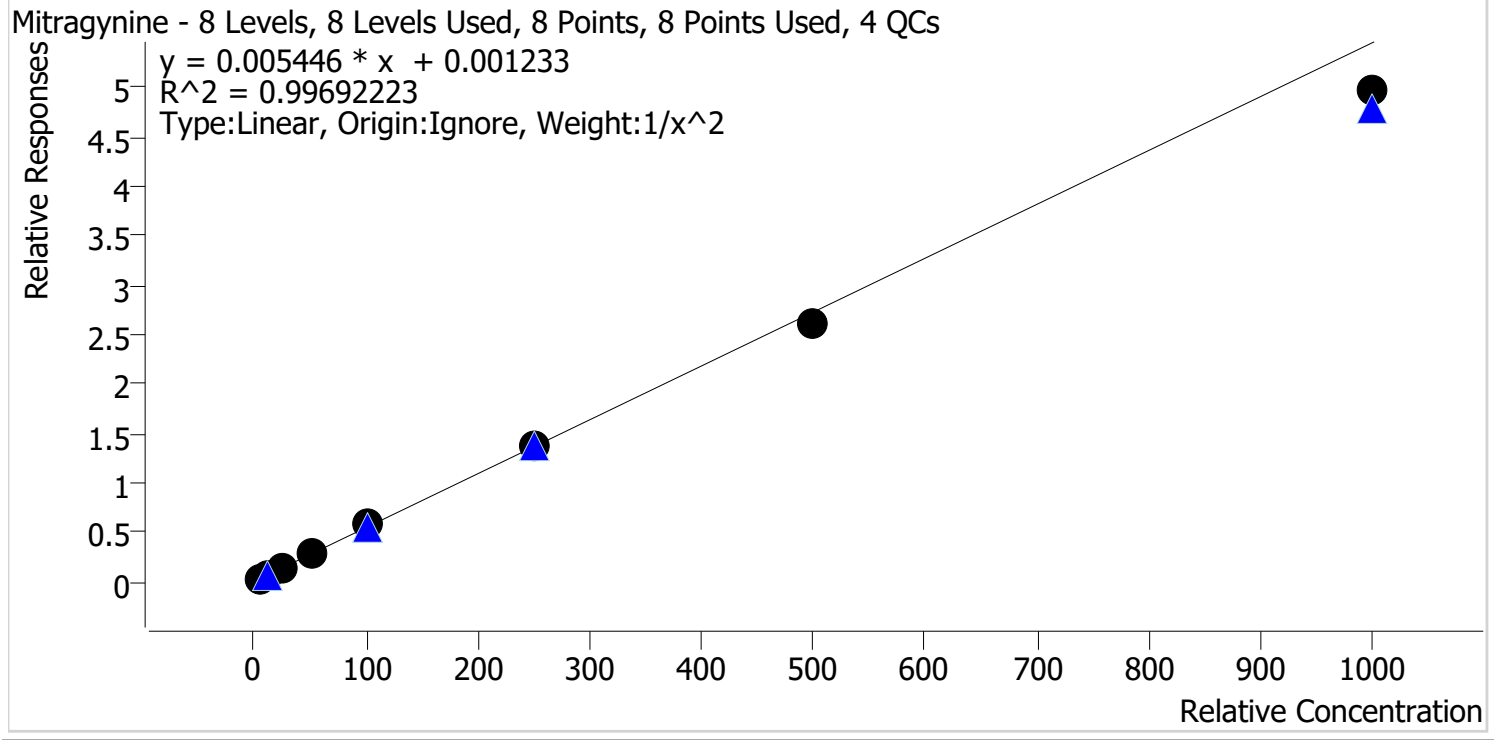
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	516.8	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1024.1	102.4

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

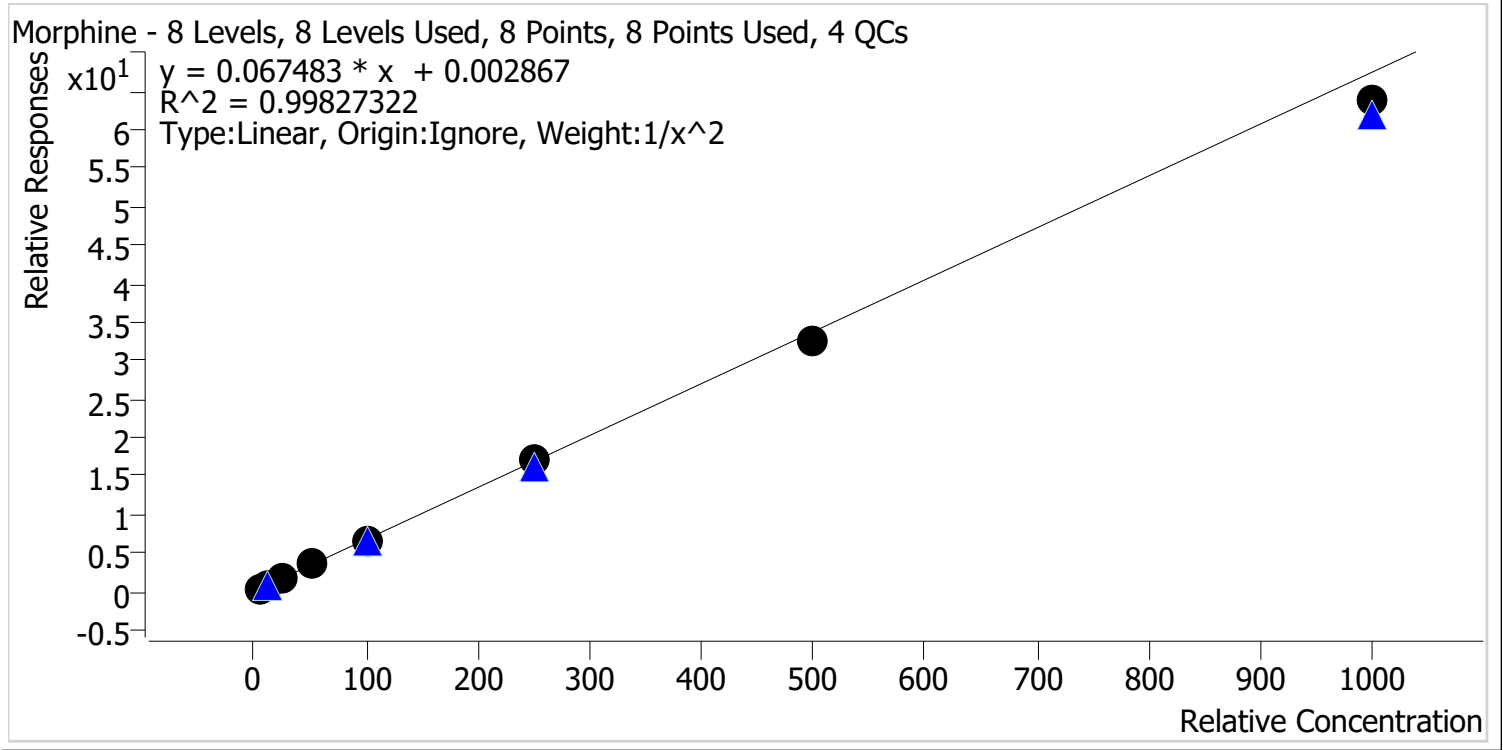


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	481.5	96.3
p1 Cal 8-1000ng	8	✓	1000.0	911.3	91.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

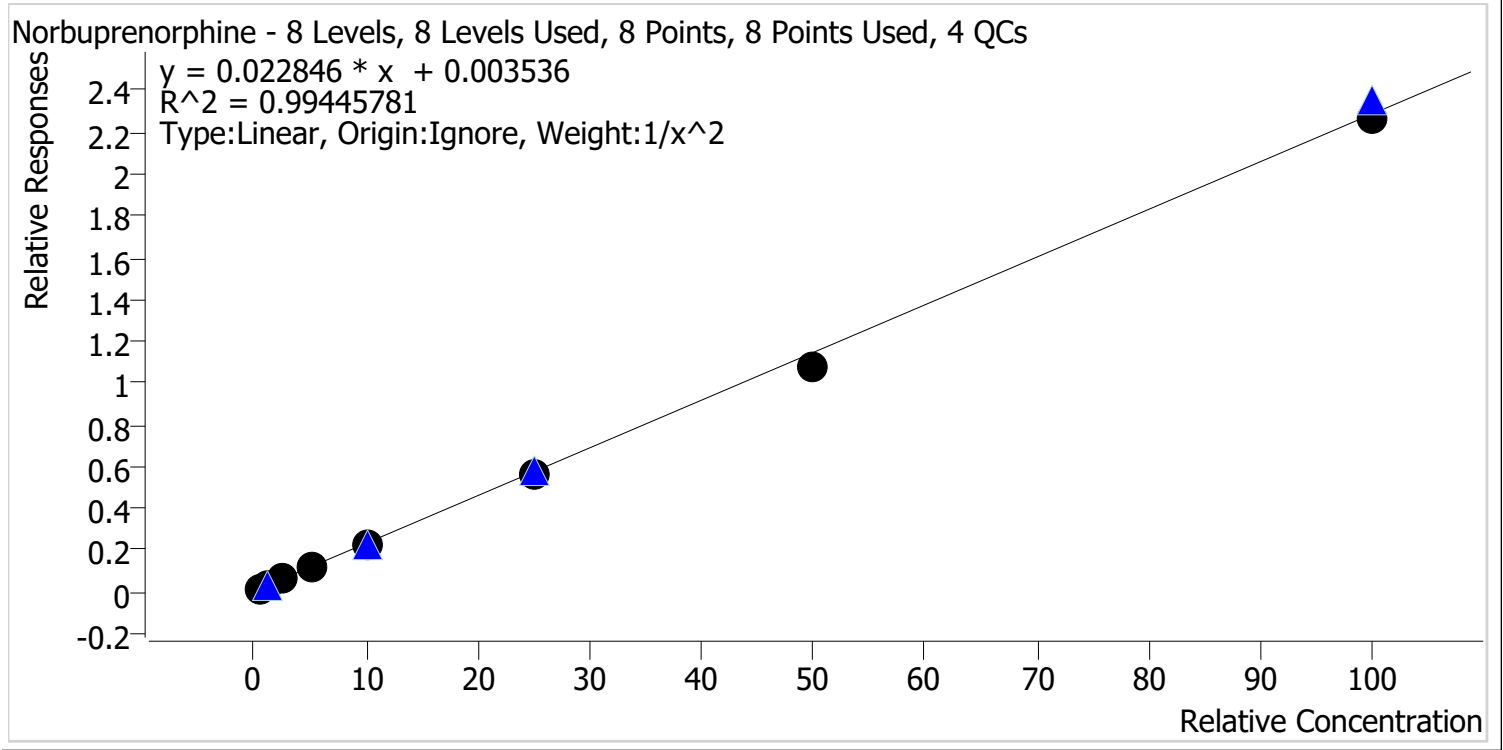


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	485.1	97.0
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

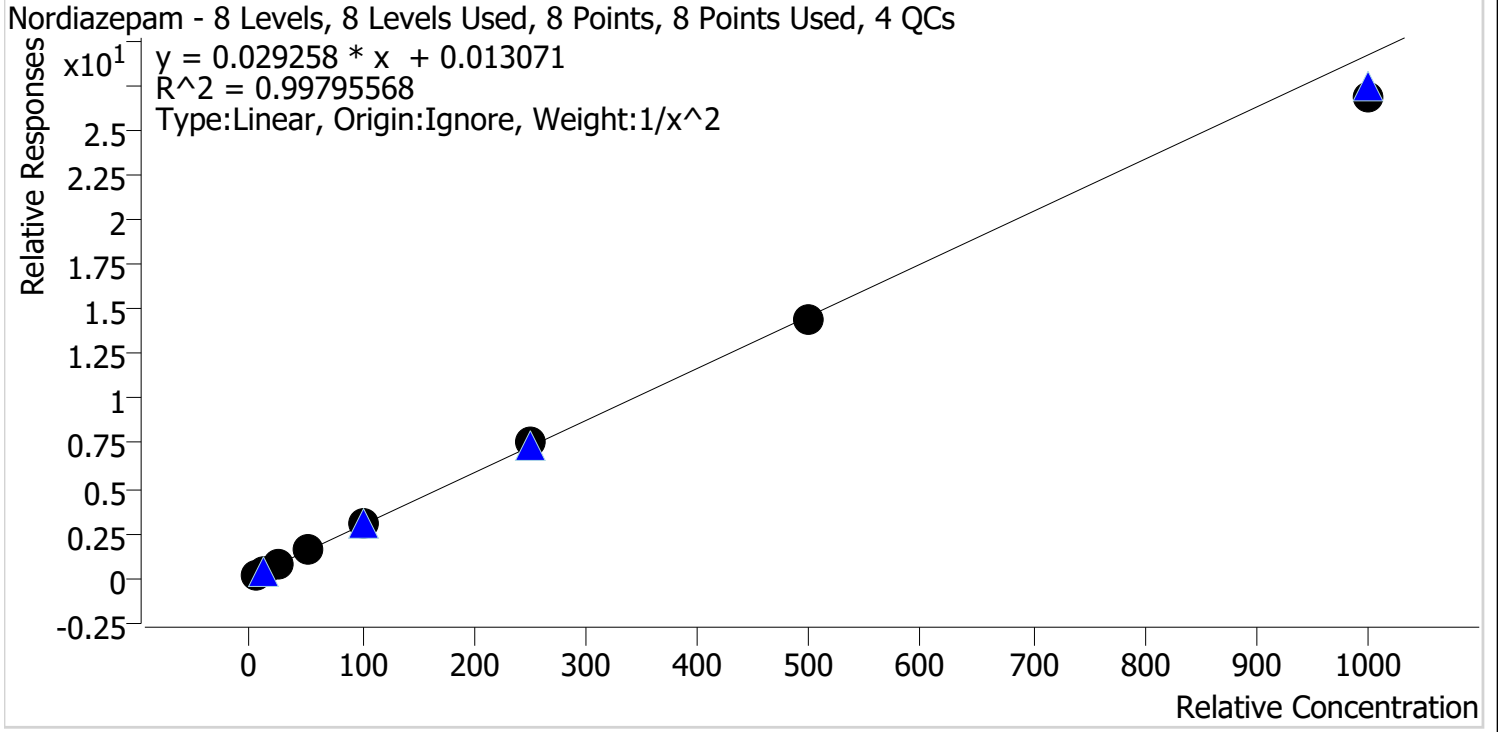


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	92.8
p1 Cal 2-10ng	2	✓	1.0	1.1	112.5
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.9
p1 Cal 4-50ng	4	✓	5.0	5.0	100.5
p1 Cal 5-100ng	5	✓	10.0	9.7	96.6
p1 Cal 6-250ng	6	✓	25.0	24.7	98.8
p1 Cal 7-500ng	7	✓	50.0	46.9	93.9
p1 Cal 8-1000ng	8	✓	100.0	99.1	99.1



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	917.1	91.7

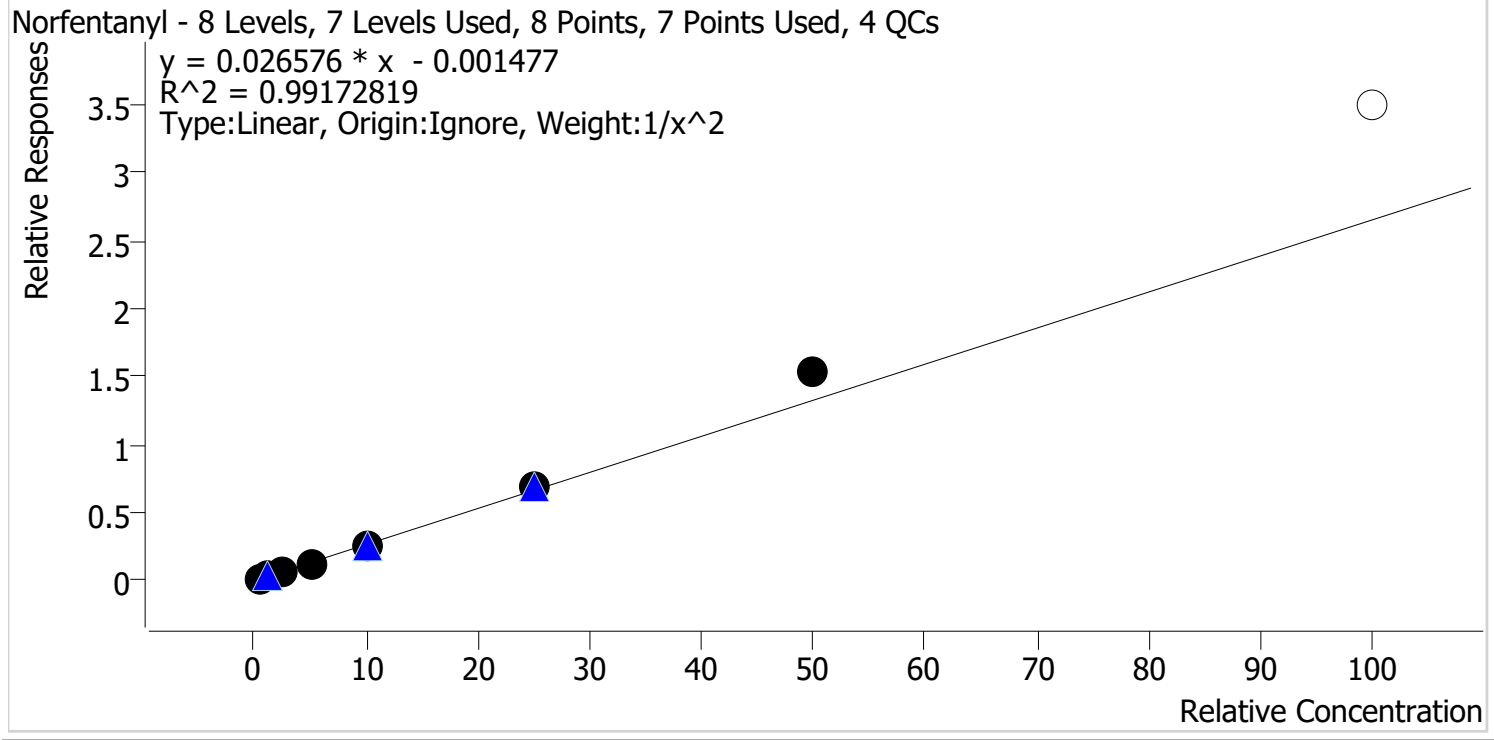


CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2-10ng	2	✓	1.0	1.0	96.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.2
p1 Cal 4-50ng	4	✓	5.0	4.7	94.0
p1 Cal 5-100ng	5	✓	10.0	9.5	94.8
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	57.4	114.8
p1 Cal 8-1000ng	8	✗	100.0	132.0	132.0

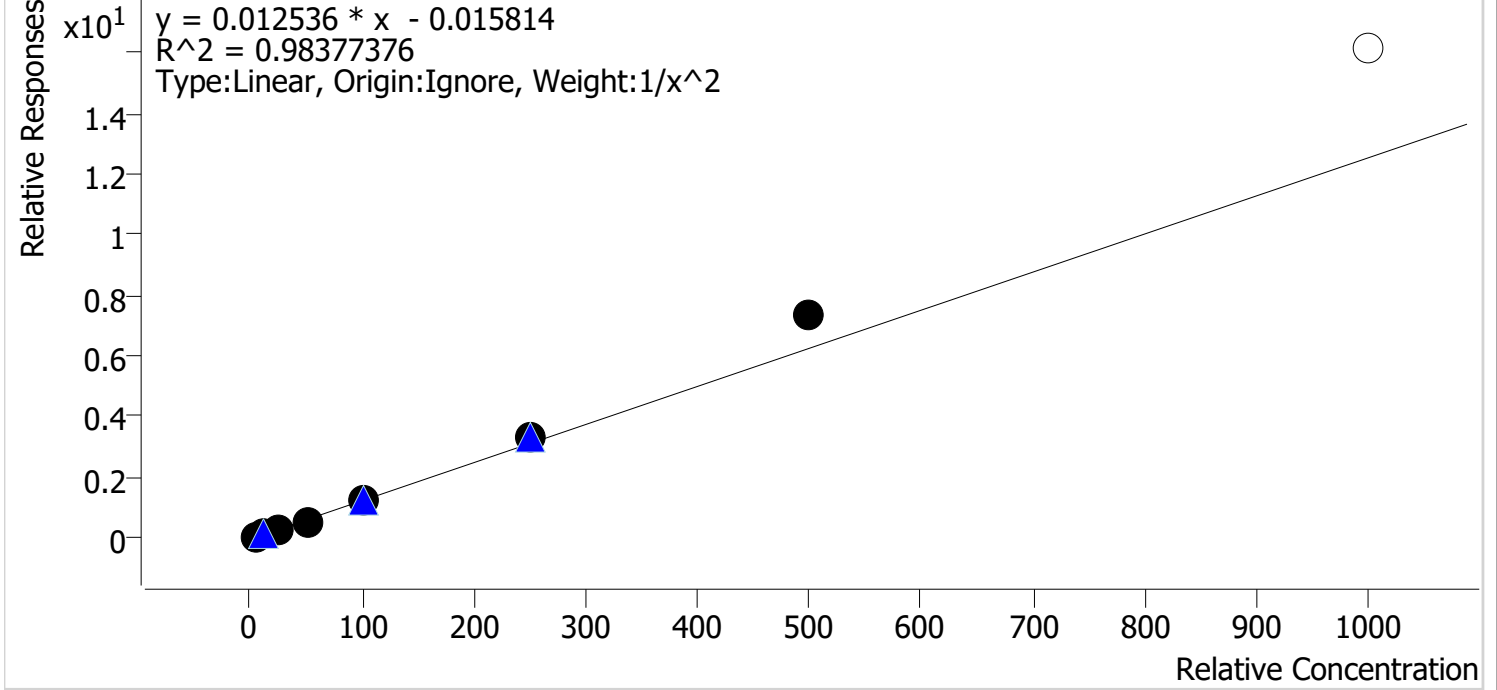
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



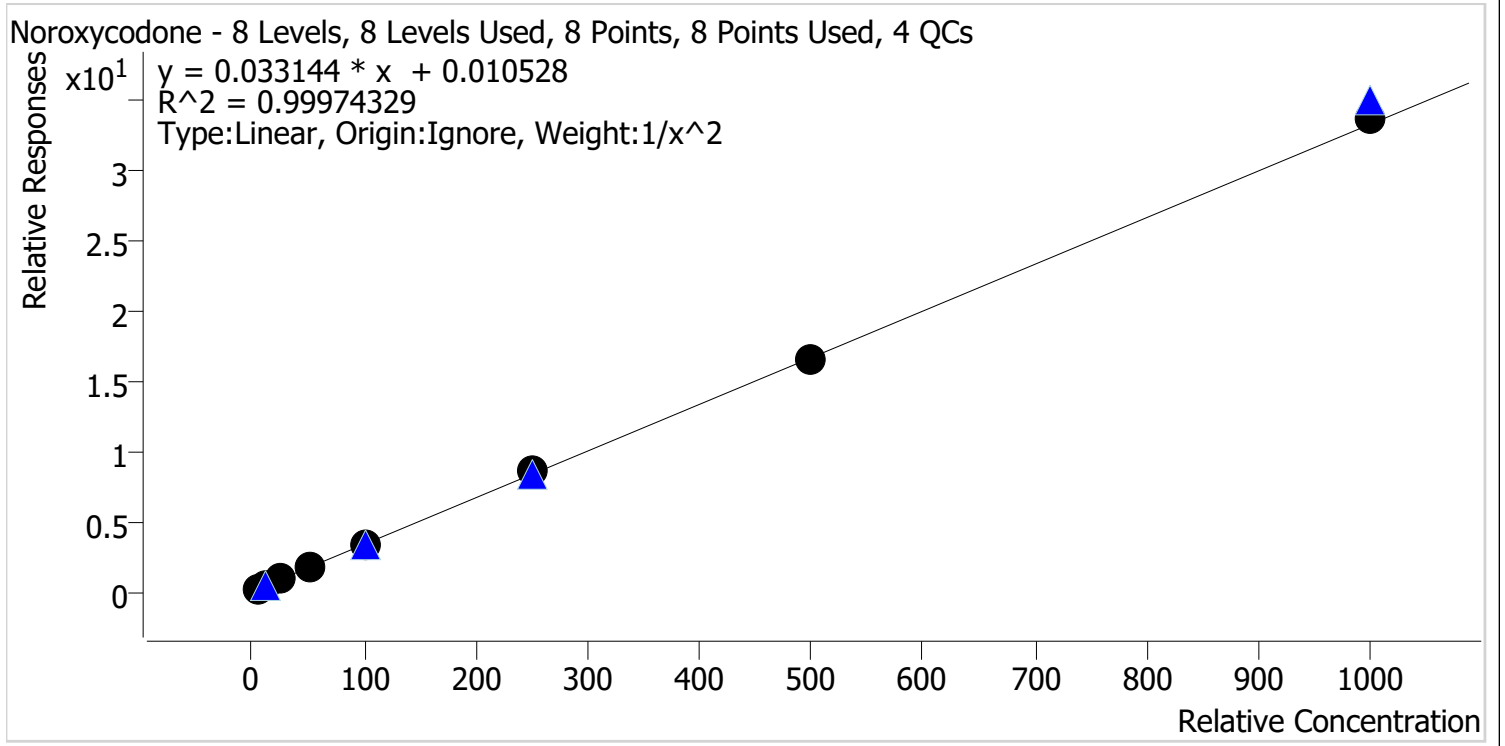
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.8
p1 Cal 2-10ng	2	✓	10.0	8.8	87.8
p1 Cal 3 -25ng	3	✓	25.0	22.1	88.3
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	263.1	105.2
p1 Cal 7-500ng	7	✓	500.0	584.0	116.8
p1 Cal 8-1000ng	8	✗	1000.0	1286.8	128.7

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



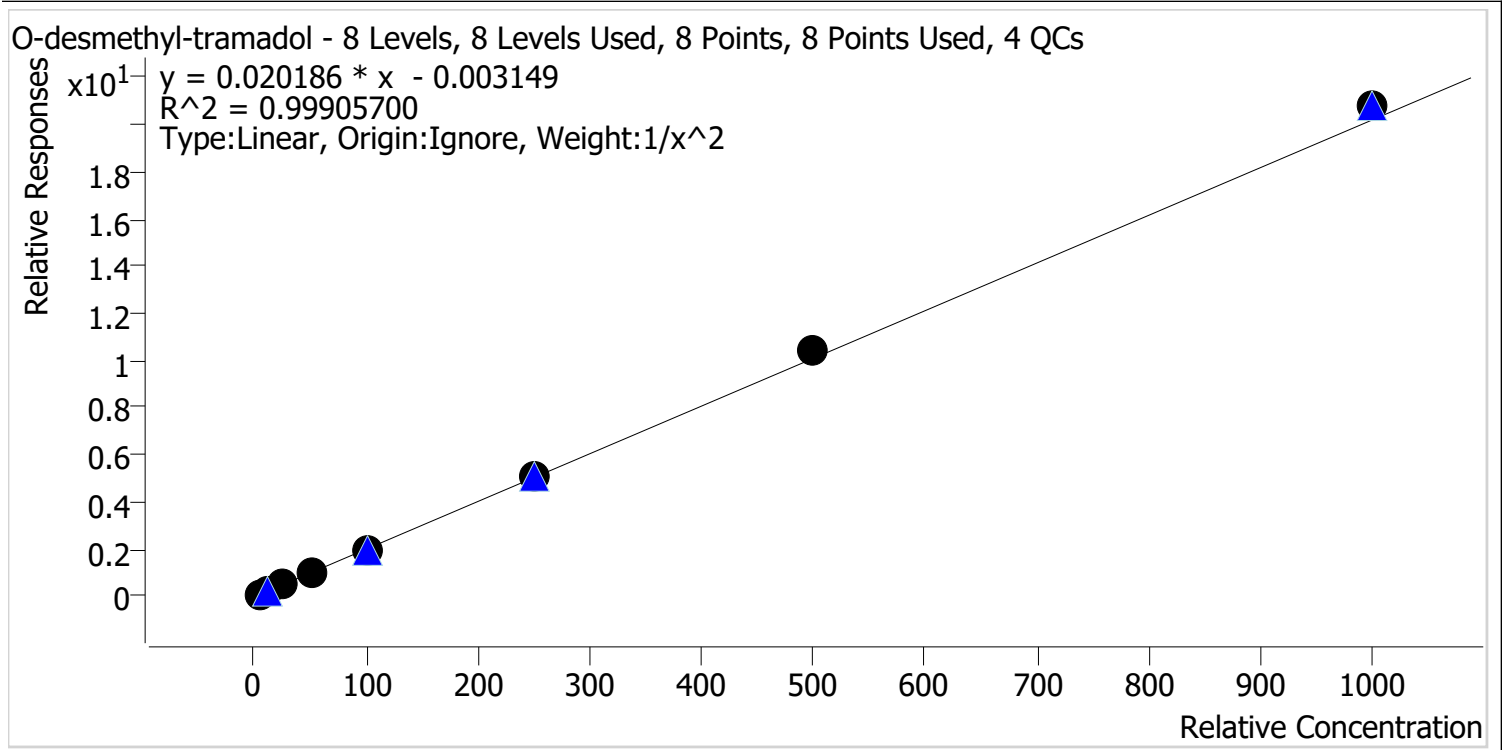
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



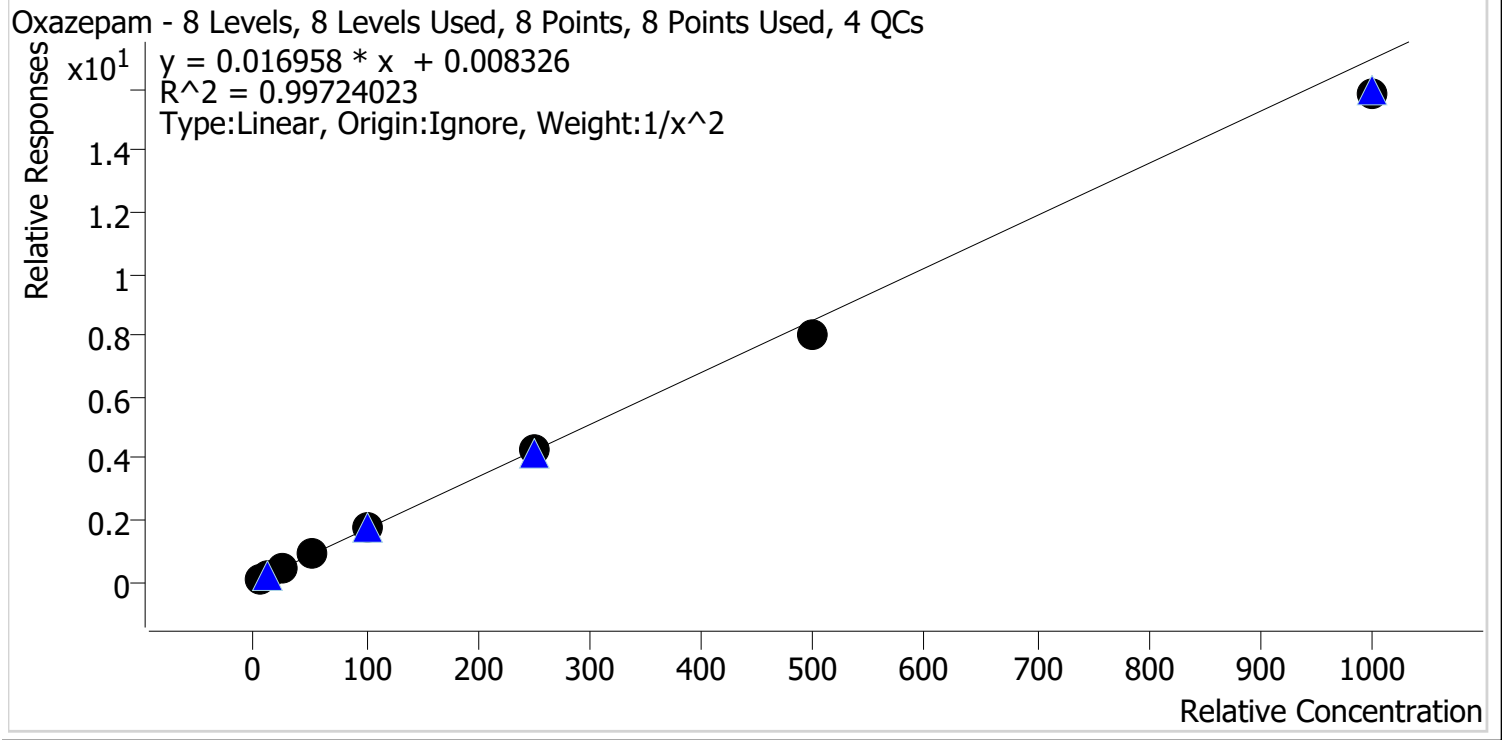
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	515.6	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1028.8	102.9

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



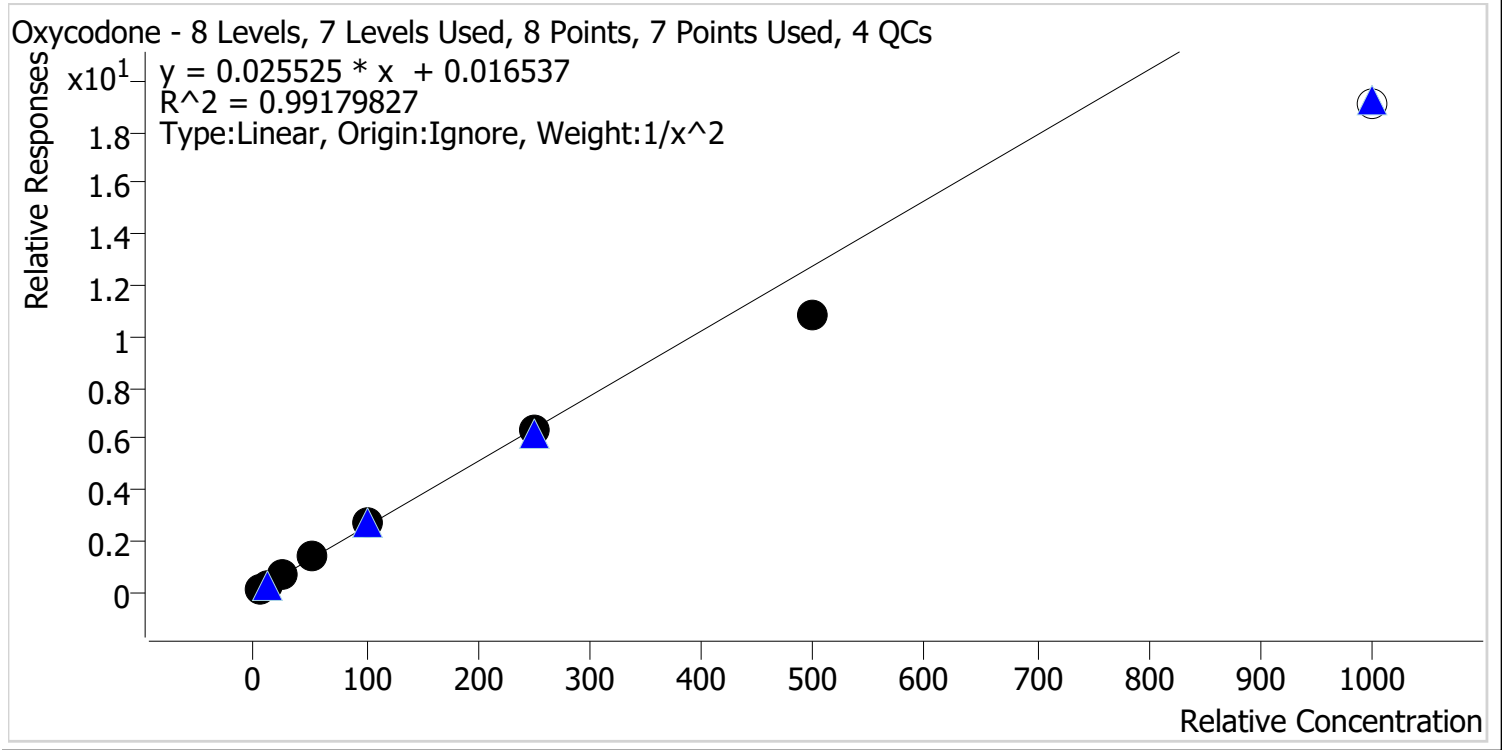
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	472.2	94.4
p1 Cal 8-1000ng	8	✓	1000.0	931.5	93.2

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



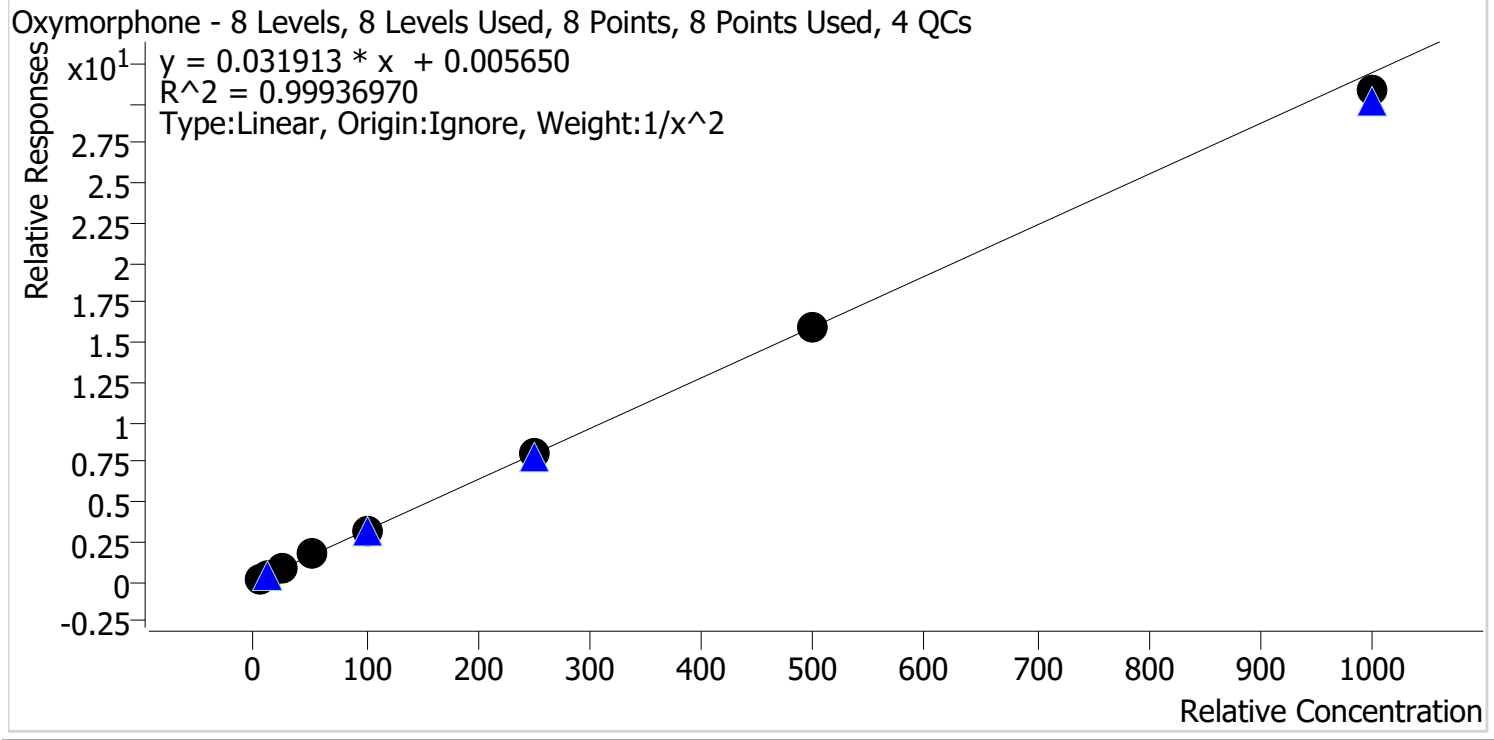
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	424.5	84.9
p1 Cal 8-1000ng	8	✗	1000.0	750.5	75.0

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\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

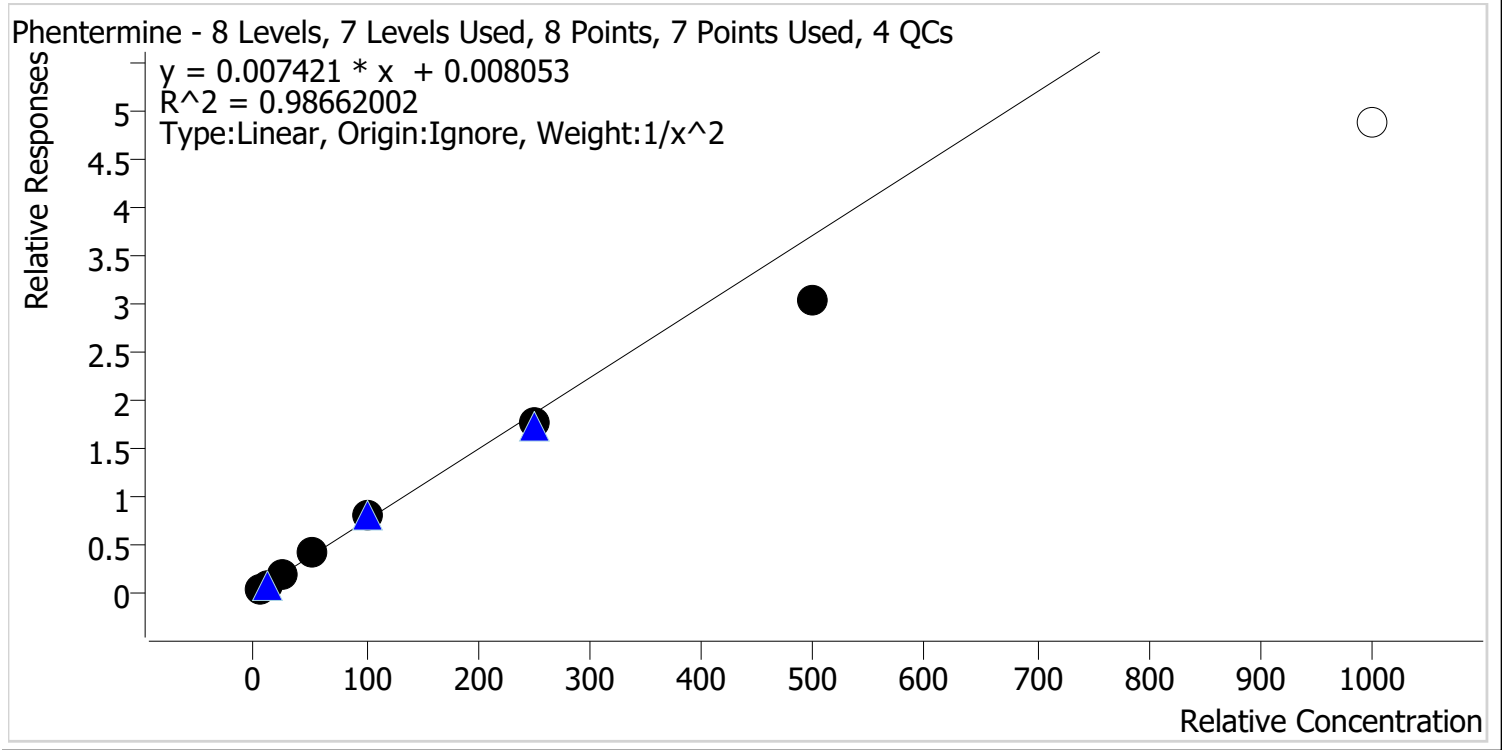


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	964.6	96.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	407.2	81.4
p1 Cal 8-1000ng	8	✗	1000.0	656.8	65.7

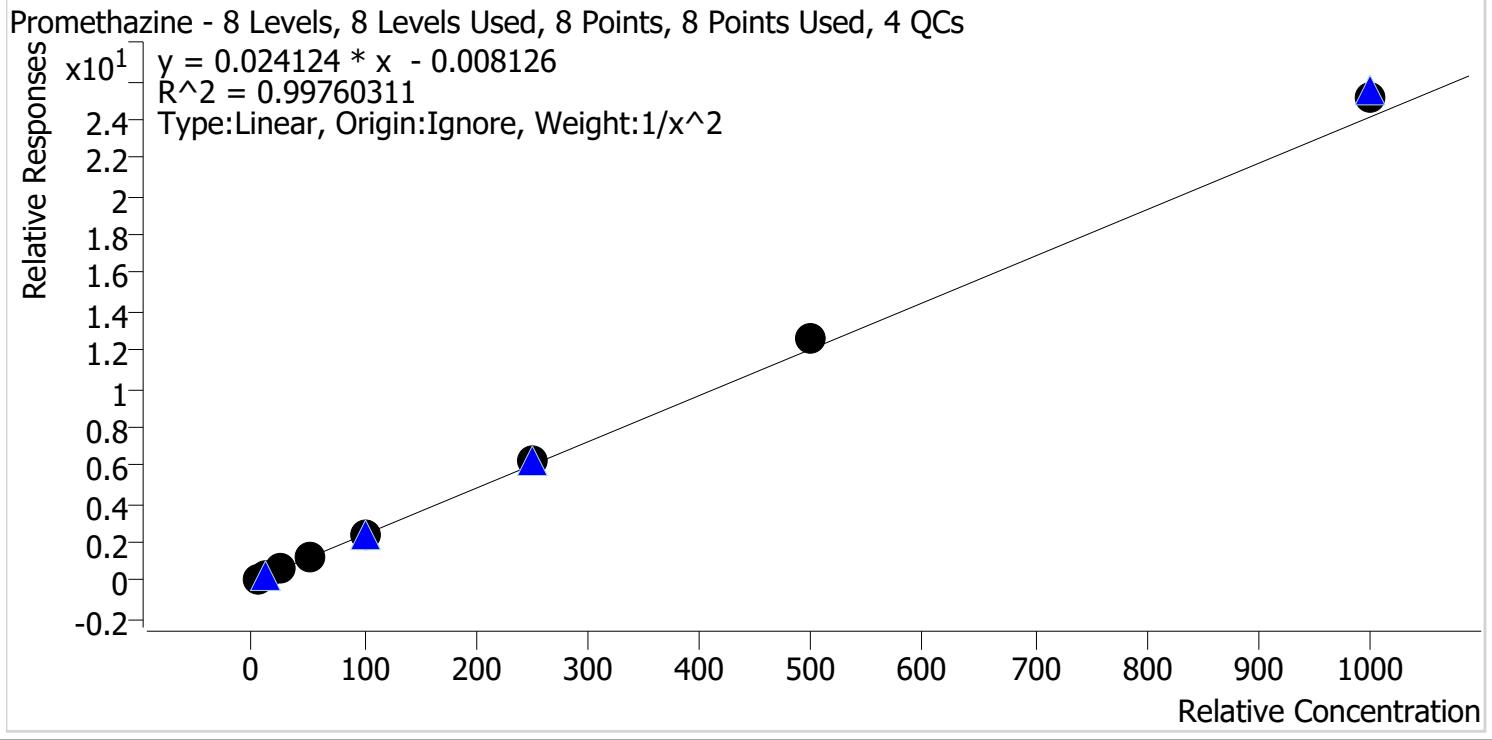
Calibrator 8 dropped due to not meeting accuracy requirement.





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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

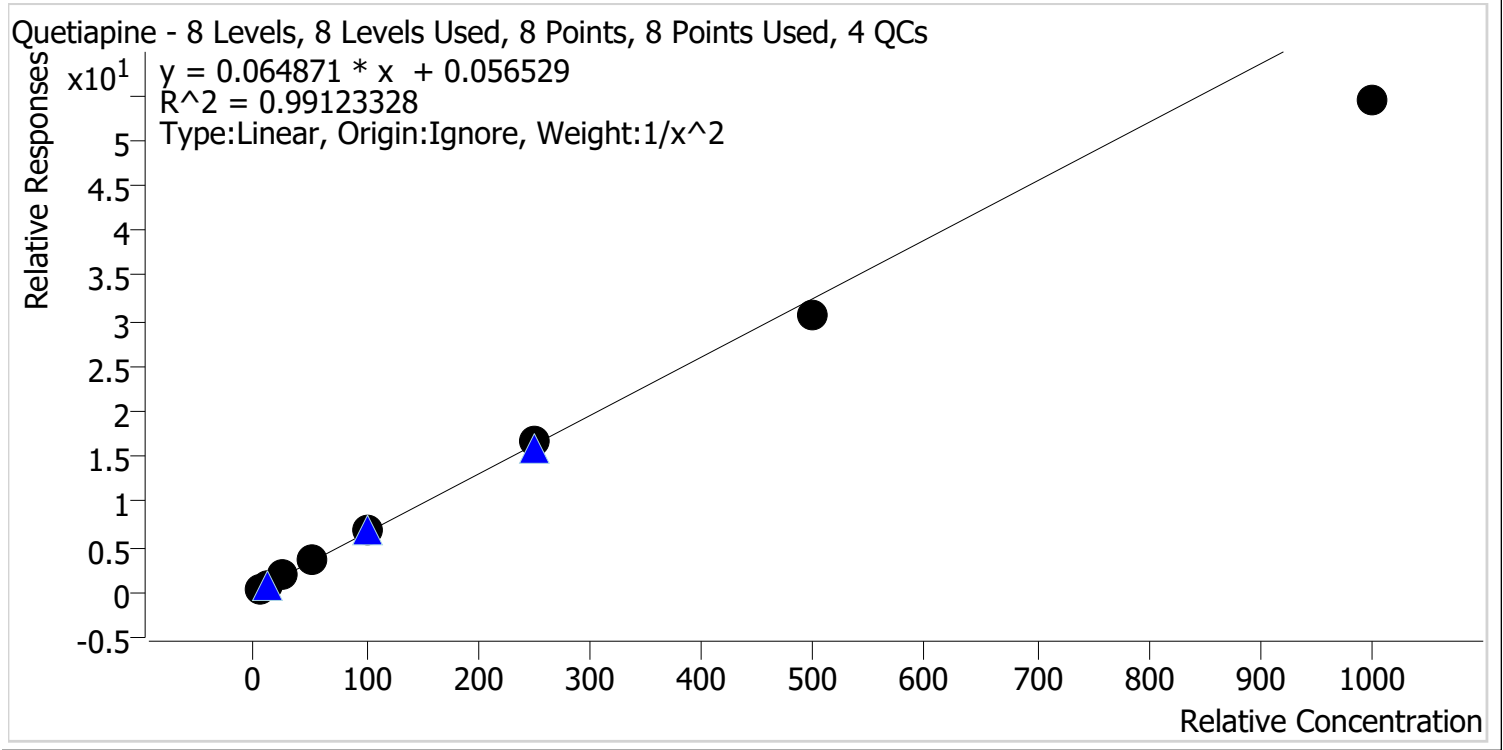


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	526.1	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1038.8	103.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

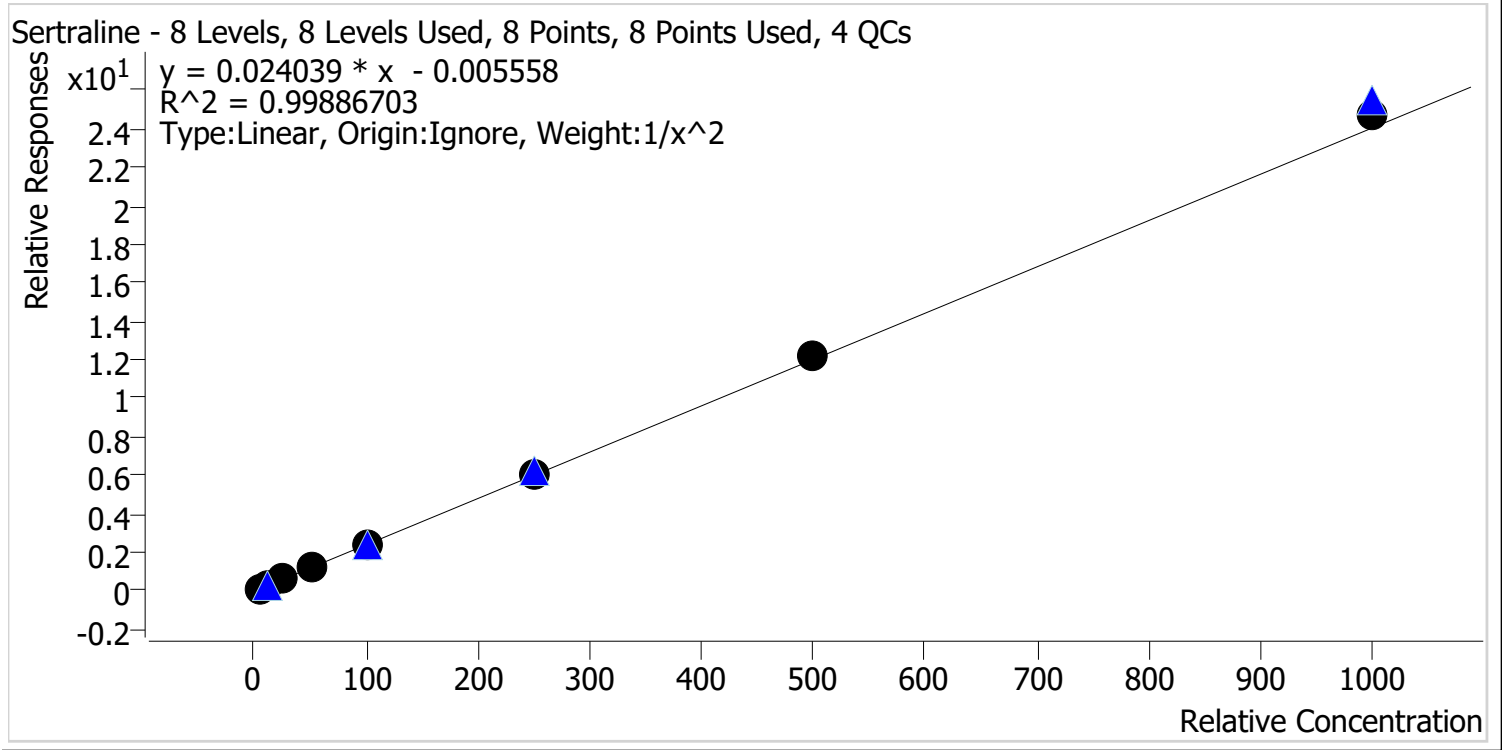


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	837.4	83.7



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

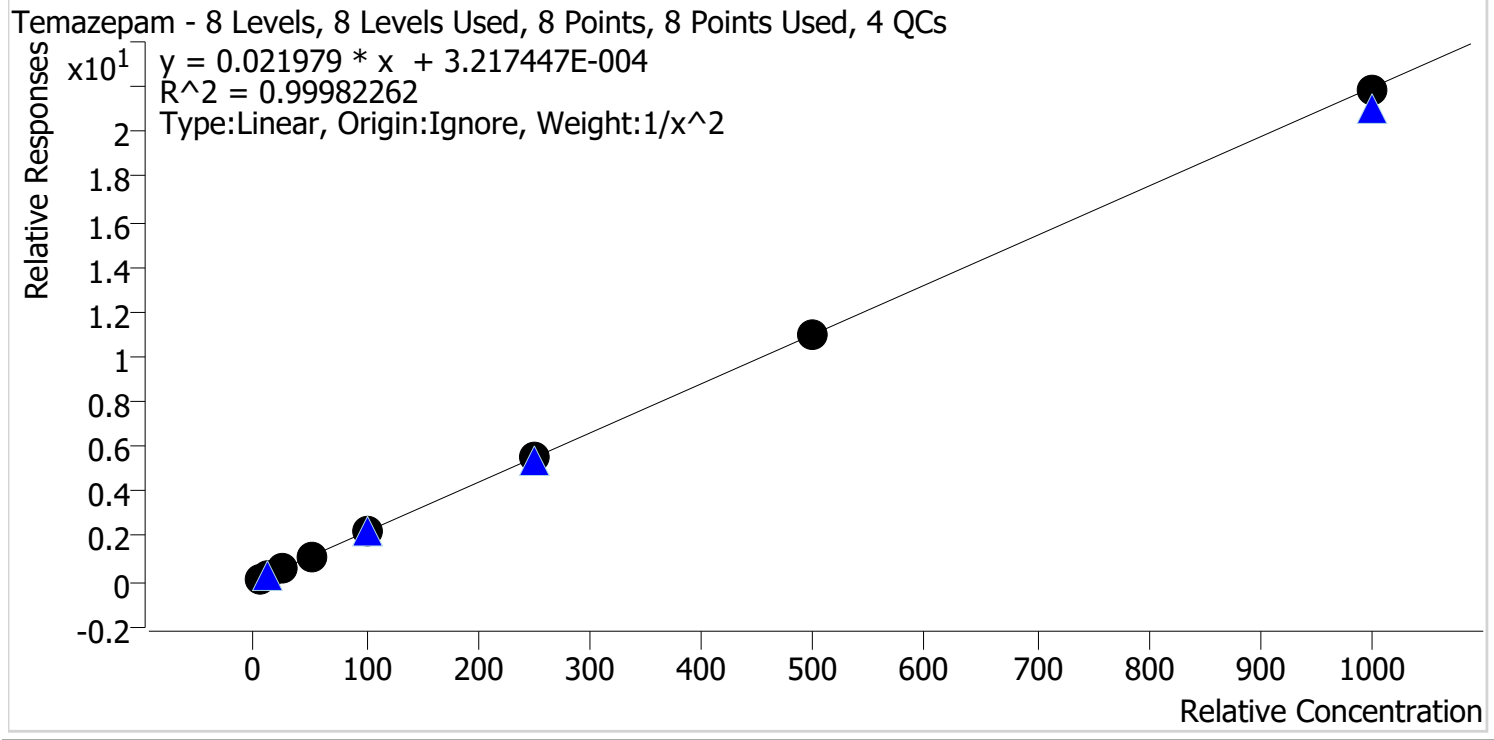


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1031.6	103.2



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

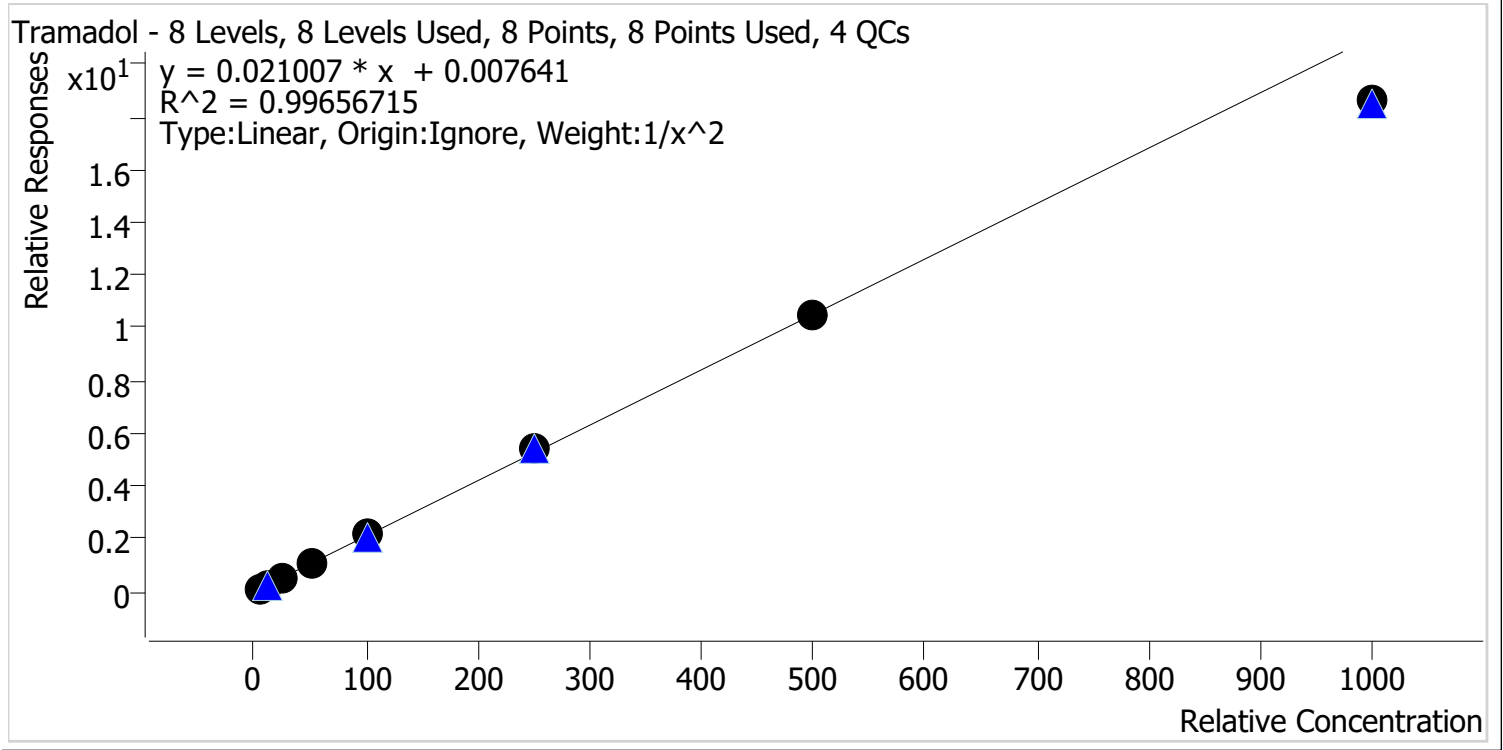


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	993.6	99.4



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

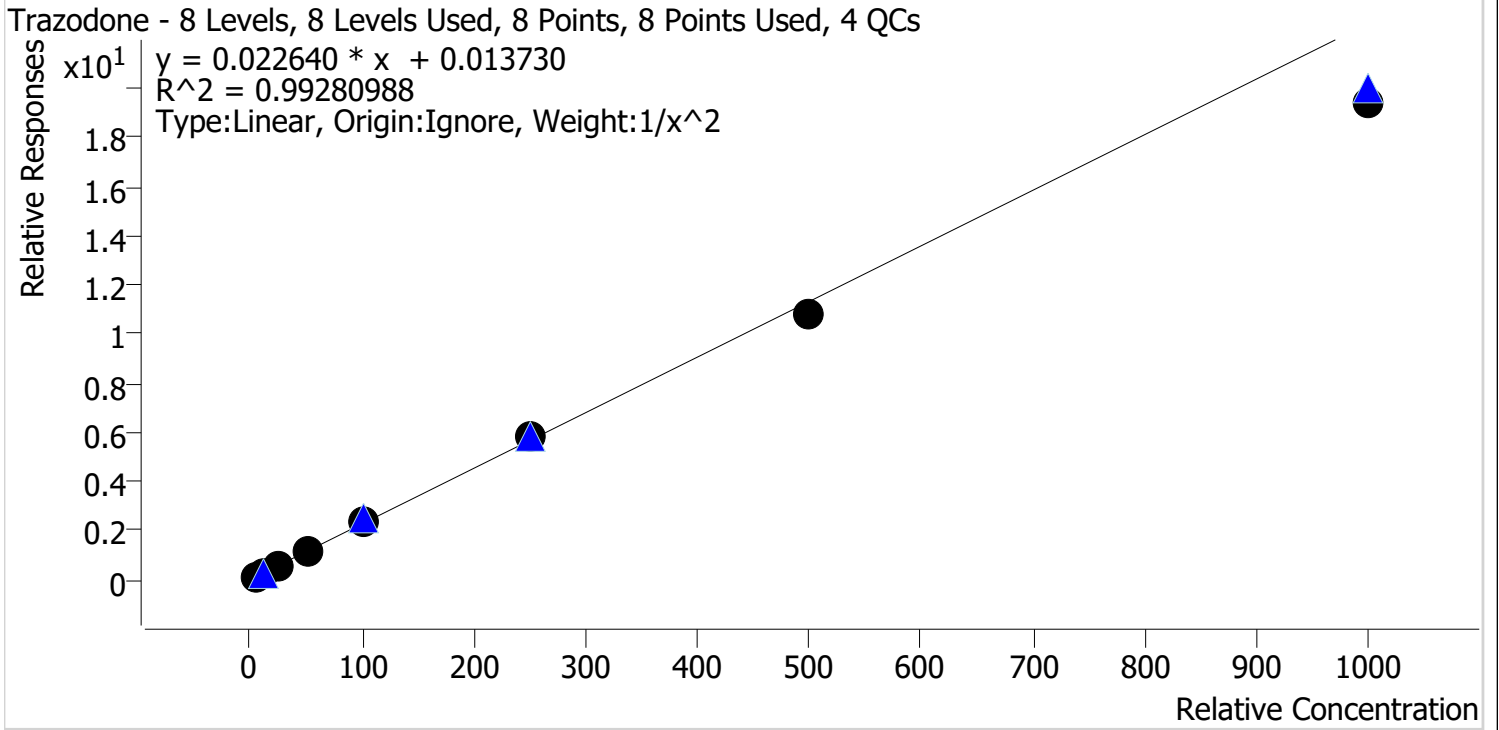


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	261.0	104.4
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	885.8	88.6



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



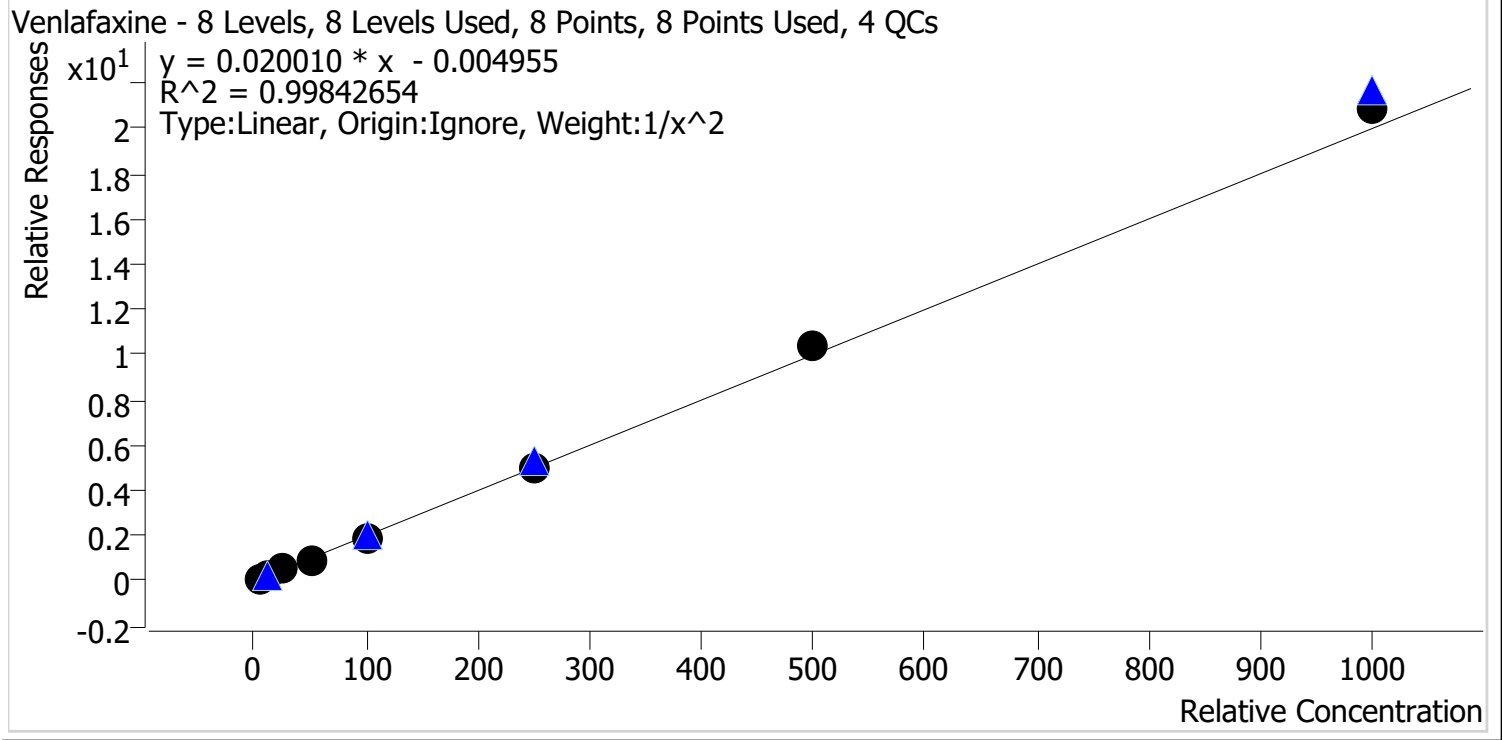
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	474.5	94.9
p1 Cal 8-1000ng	8	✓	1000.0	854.7	85.5

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



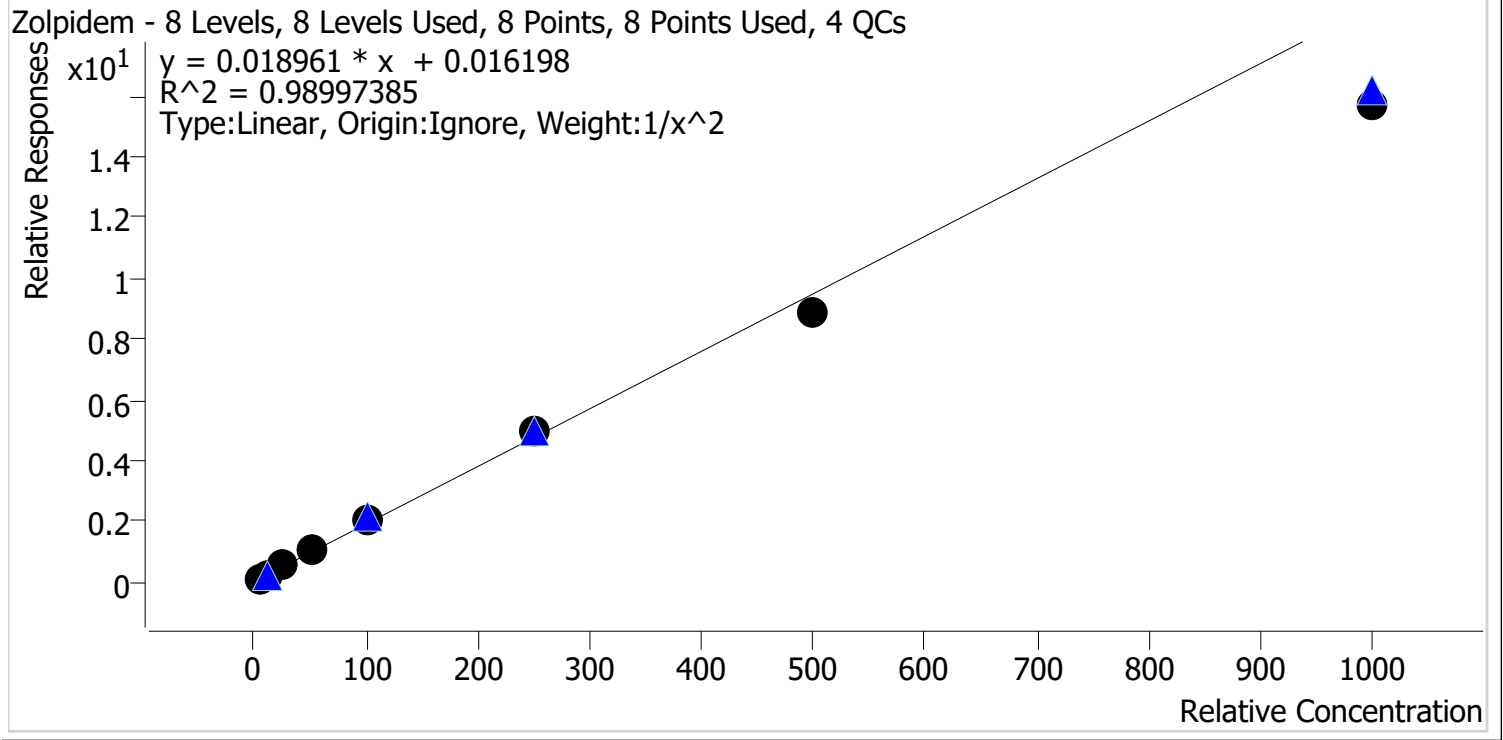
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	521.1	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1044.3	104.4

CS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/22/2022 10:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	466.7	93.3
p1 Cal 8-1000ng	8	✓	1000.0	826.6	82.7



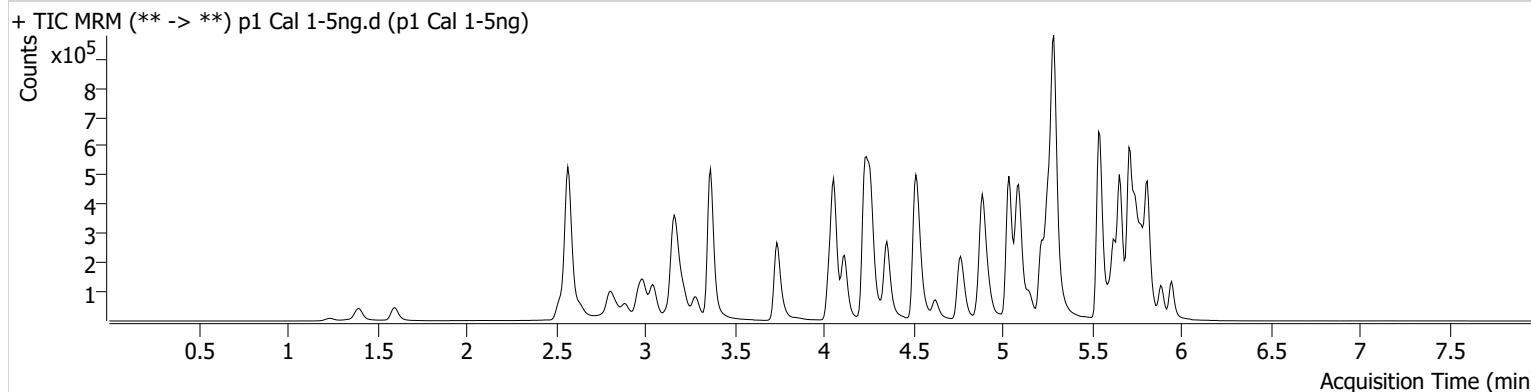
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/18/2022 11:07:37 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	1044	26.90	79.9	1079.01	55492	0.4910 ng/ml
7-aminoclonazepam	4.256	20634	7342.88	72.6	257.30	154453	4.7707 ng/ml
a-hydroxyalprazolam	5.692	10122	94.37	68.2	11829.16	249057	4.7909 ng/ml
alpha-PHP	4.929	21343	788.64	263.7	2971.02	561400	4.8773 ng/ml
alpha-PVP	4.361	78003	197.82	48.9	2496.82	561400	5.0751 ng/ml
Alprazolam	5.769	35798	1142.19	108.0	1172.01	249057	5.0523 ng/ml
Amphetamine	3.051	152333	209.37	46.7	303.58	309144	4.8197 ng/ml
Benzoylecgonine	3.877	1326	13.28	9.4	181.22	8312	4.9220 ng/ml
Buprenorphine	5.833	1932	428.09	19.3	2206.52	127944	0.5210 ng/ml
Bupropion	4.780	79810	526.39	67.3	297.25	530544	4.9770 ng/ml
Carisoprodol	5.724	38301	324.39	62.9	414.78	361365	5.0870 ng/ml
Citalopram	5.218	64007	1072.19	34.3	22696.69	561440	5.0615 ng/ml
Clonazepam	5.605	37579	1495.75	34.0	57100.58	99583	4.7528 ng/ml
Clonazepam	5.549	25484	45869.38	36.5	11826.20	99583	3.8795 ng/ml
Cocaine	4.262	49852	187.29	55.9	37360.33	788640	5.0171 ng/ml
Codeine	2.580	6020	169.94	107.1	20073.12	59411	4.9139 ng/ml
Cyclobenzaprine	5.628	57540	68389.39	7.9	87701.11	460543	5.1914 ng/ml
Dextromethorphan	5.268	34920	1159.55	84.1	1390.02	290523	4.9455 ng/ml
Dextrophan	4.116	20710	19366.72	198.6	19621.23	414837	5.0711 ng/ml
Diazepam	5.954	23683	158.96	89.9	146.87	216168	4.9476 ng/ml
Dihydrocodeine	2.552	14872	1363.92	66.0	758.22	172398	4.8297 ng/ml
Diphenhydramine	5.289	159431	6242.31	31.5	8622.33	1944619	5.1259 ng/ml
Doxylamine	4.535	148761	4199.11	99.4	13527.27	1265634	5.0317 ng/ml
EDDP	5.254	62275	5644.11	41.7	10620.18	649390	5.0738 ng/ml
Etizolam	5.814	18016	1177.15	28.0	8930.88	99583	5.2050 ng/ml
Fentanyl	5.095	6019	85.25	66.1	257.29	613248	0.5115 ng/ml
Flualprazolam	5.699	13917	678.29	101.5	1307.42	249057	4.8268 ng/ml
Fluoxetine	5.714	91725	302.85	7.9	143.42	678243	5.1106 ng/ml
Hydrocodone	3.021	24577	4875.71	34.7	46.33	260759	4.8032 ng/ml
Hydromorphone	1.608	19533	523.26	77.5	5338.84	117737	5.0219 ng/ml
Ketamine	4.049	52616	1429.25	33.6	80.58	441337	4.8717 ng/ml
Lamotrigine	4.272	4629	412.49	84.4	2368.60	441337	4.8444 ng/ml
Levetiracetam	2.637	22318	272.52	165.8	928.47	1357979	5.1059 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	34548	495.54	52.0	110.59	99583	4.7762 ng/ml
MDA	3.199	84816	369.92	29.5	304.09	385526	4.8813 ng/ml
MDMA	3.292	51529	1496.43	90.2	893.53	103222	5.0691 ng/ml
Meprobamate	4.896	22843	485.19	29.7	255.55	228528	4.8257 ng/ml
Methadone	5.659	95250	849.40	61.2	983.41	816575	5.1349 ng/ml
Methamphetamine	3.220	103390	383.74	38.0	233.75	764091	4.8427 ng/ml
Metoprolol	4.324	14831	851.48	94.0	190.89	1142047	4.8796 ng/ml
Mirtazapine	4.623	101935	1168.90	52.8	1101.83	561400	5.1246 ng/ml
Mitragynine	5.229	22723	1264.10	37.1	8436.59	816575	4.8837 ng/ml
Morphine	1.247	2641	1403.36	31.0	406.12	7977	4.8636 ng/ml
Norbuprenorphine	4.985	260	71.50	90.5	260.53	18361	0.4640 ng/ml
Nordiazepam	5.893	28015	1867.51	53.4	229.85	176989	4.9634 ng/ml
Norfentanyl	4.077	12391	447.16	39.4	14.79	1008491	0.5179 ng/ml
Norhydrocodone	3.068	3620	56.45	40.9	90.92	69102	5.4405 ng/ml
Noroxycodone	2.912	23847	405.49	46.2	279.09	135635	4.9871 ng/ml
O-desmethyl-tramadol	3.372	119129	401.28	5.9	391.36	1192752	5.1038 ng/ml
Oxazepam	5.750	44173	125.11	70.8	266.27	480355	4.9317 ng/ml
Oxycodone	2.836	44842	317.56	27.4	361.50	320079	4.8408 ng/ml
Oxymorphone	1.405	21234	199.39	47.0	259.82	128633	4.9956 ng/ml
Phentermine	3.774	31604	284.92	5.7	10.37	727559	4.7680 ng/ml
Promethazine	5.545	133344	4700.95	30.4	181.24	1144760	5.1654 ng/ml
Pseudoephedrine	2.583	133198	178.08	17.2	126.53	1357979	5.1480 ng/ml
Quetiapine	5.555	71540	70358.91	57.4	91761.82	195551	4.7681 ng/ml
Sertraline	5.783	34307	131.26	93.5	236.74	289976	5.1527 ng/ml
Temazepam	5.817	74435	1123.77	26.7	81.83	668925	5.0482 ng/ml
Tramadol	4.244	126113	591.11	3.2	149.59	1142047	4.8930 ng/ml
Trazodone	5.148	74749	222.10	79.9	94300.47	606422	4.8381 ng/ml
Venlafaxine	5.036	108954	474.56	32.1	81.75	1113794	5.1362 ng/ml
Zolpidem	4.914	101834	415.14	30.3	847.60	947878	4.8117 ng/ml

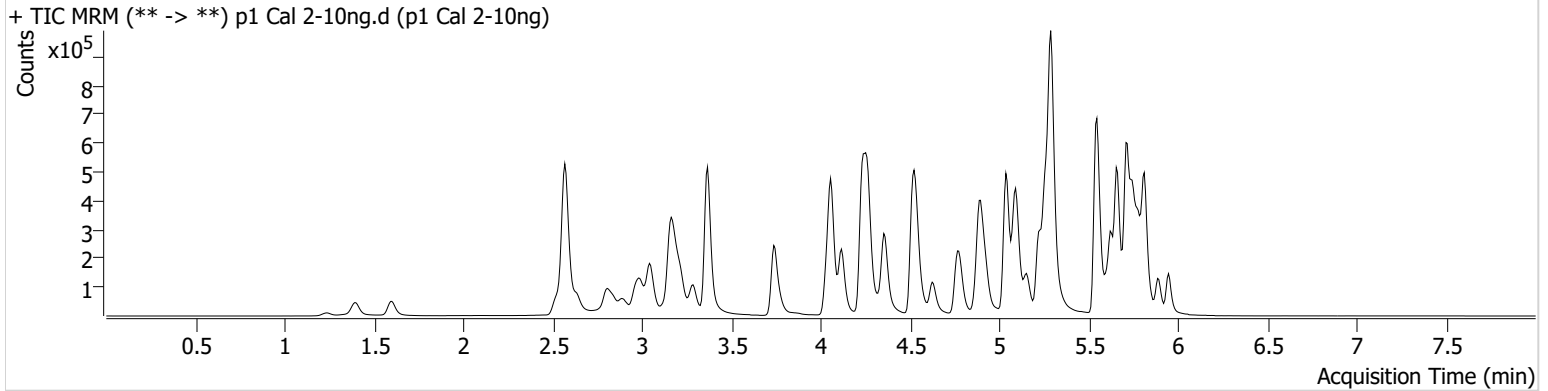
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/18/2022 11:18:25 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	2055	2567.96	79.3	6985.48	50450	1.0375 ng/ml
7-aminoclonazepam	4.256	39019	482.58	72.7	144.63	141402	10.5604 ng/ml
a-hydroxyalprazolam	5.692	18514	354.53	65.4	335.68	231411	10.2782 ng/ml
alpha-PHP	4.929	38666	695.12	260.1	1377.78	519717	10.1222 ng/ml
alpha-PVP	4.361	139335	5934.77	49.7	2546.60	519717	9.8099 ng/ml
Alprazolam	5.769	64614	1930.57	106.4	537.61	231411	9.7771 ng/ml
Amphetamine	3.044	270037	5432.83	46.4	883.29	286586	10.1862 ng/ml
Benzoylcegonine	3.877	2522	179.26	7.5	280.71	7767	10.3371 ng/ml
Buprenorphine	5.833	3378	3822.48	17.3	750.40	120354	0.9402 ng/ml
Bupropion	4.780	141230	225.00	67.6	271.00	478809	10.0072 ng/ml
Carisoprodol	5.724	70367	177845.43	61.2	358.49	323313	9.9147 ng/ml
Citalopram	5.218	115110	485.48	34.8	57182.96	515079	9.9111 ng/ml
Clonazepam	5.605	69297	303.00	35.4	23938.52	93769	10.3898 ng/ml
Clonazepam	5.549	46280	80889.46	34.3	34025.48	93769	9.7937 ng/ml
Cocaine	4.262	86929	108284.69	58.0	4581.90	708770	9.9179 ng/ml
Codeine	2.573	10455	42.57	108.2	59509.99	53435	10.0875 ng/ml
Cyclobenzaprine	5.628	100583	584.86	8.3	641.67	416016	9.5789 ng/ml
Dextromethorphan	5.268	64819	310.87	80.9	307.76	260844	10.2803 ng/ml
Dextrophan	4.116	37346	254.15	196.5	1796.58	381826	9.8420 ng/ml
Diazepam	5.954	43821	159.09	89.4	211.77	201674	10.0222 ng/ml
Dihydrocodeine	2.552	26918	595.52	65.9	140.14	159368	10.2710 ng/ml
Diphenhydramine	5.289	283050	12985.53	32.0	353.70	1773430	9.6838 ng/ml
Doxylamine	4.535	263116	18280.16	98.7	5205.41	1165068	9.7985 ng/ml
EDDP	5.261	113758	225767.68	41.1	2770.55	601270	9.8619 ng/ml
Etizolam	5.814	32432	2573.07	26.5	12114.98	93769	9.6051 ng/ml
Fentanyl	5.102	10648	88.11	66.3	10529.92	574037	0.9659 ng/ml
Flualprazolam	5.699	26016	1681.27	97.2	2665.65	231411	10.2959 ng/ml
Fluoxetine	5.714	160220	21510.89	7.6	32176.69	595427	9.8017 ng/ml
Hydrocodone	3.021	43480	291.13	35.0	75.15	240052	10.2420 ng/ml
Hydromorphone	1.608	35248	1322.09	77.3	799.71	109449	9.8781 ng/ml
Ketamine	4.049	95243	380.39	33.8	552.78	397311	10.2761 ng/ml
Lamotrigine	4.278	8107	35.60	88.4	2219.38	397311	10.2723 ng/ml
Levetiracetam	2.637	41101	283.43	164.7	226.42	1232326	9.8409 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	62849	3098.53	51.7	94.30	93769	10.5896 ng/ml
MDA	3.192	149748	630.16	30.5	688.43	350438	10.2492 ng/ml
MDMA	3.285	91846	586.94	90.3	1044.67	95273	9.7801 ng/ml
Meprobamate	4.896	40949	5736.75	29.4	1807.65	210652	10.4498 ng/ml
Methadone	5.659	171283	4382.71	61.1	583.58	742740	9.6785 ng/ml
Methamphetamine	3.220	178153	473.56	39.0	179.66	685288	10.2979 ng/ml
Metoprolol	4.324	26278	781.08	93.1	650.50	1025218	10.2201 ng/ml
Mirtazapine	4.623	178829	1300.79	53.9	124687.02	519717	9.6497 ng/ml
Mitragynine	5.229	42245	10660.69	35.0	28582.55	742740	10.2179 ng/ml
Morphine	1.240	5162	2762.93	27.9	75.62	7281	10.4630 ng/ml
Norbuprenorphine	4.991	498	2890.80	83.4	172.94	17026	1.1247 ng/ml
Nordiazepam	5.893	49655	1523.63	54.6	477.77	162022	10.0282 ng/ml
Norfentanyl	4.084	22644	323.06	36.1	128.48	932887	0.9689 ng/ml
Norhydrocodone	3.068	5882	140.42	41.7	52.66	62426	8.7772 ng/ml
Noroxycodone	2.912	43126	436.54	47.4	266.50	124877	10.1019 ng/ml
O-desmethyl-tramadol	3.372	211709	19754.61	5.9	2554.05	1089522	9.7820 ng/ml
Oxazepam	5.750	80171	1462.03	71.7	538.48	452593	9.9545 ng/ml
Oxycodone	2.836	78892	796.27	30.2	945.24	284239	10.2262 ng/ml
Oxymorphone	1.398	37705	182.68	48.0	511.25	116272	9.9846 ng/ml
Phentermine	3.774	56446	902.63	5.5	94.85	661404	10.4144 ng/ml
Promethazine	5.545	234209	615.66	31.9	165.80	1047457	9.6056 ng/ml
Pseudoephedrine	2.577	238871	2071.05	17.5	5803.46	1232326	9.6970 ng/ml
Quetiapine	5.555	128683	10908.63	56.7	91031.61	174812	10.4761 ng/ml
Sertraline	5.783	57180	10342.47	96.3	338.32	255948	9.5246 ng/ml
Temazepam	5.817	133553	536.05	27.1	61.60	621149	9.7680 ng/ml
Tramadol	4.244	229183	517.76	3.3	53.98	1025218	10.2777 ng/ml
Trazodone	5.148	135199	337.99	82.2	304419.38	554029	10.1724 ng/ml
Venlafaxine	5.036	190304	35081.32	32.4	346.95	1013472	9.6315 ng/ml
Zolpidem	4.914	177981	2213.94	31.3	1481.35	841770	10.2967 ng/ml

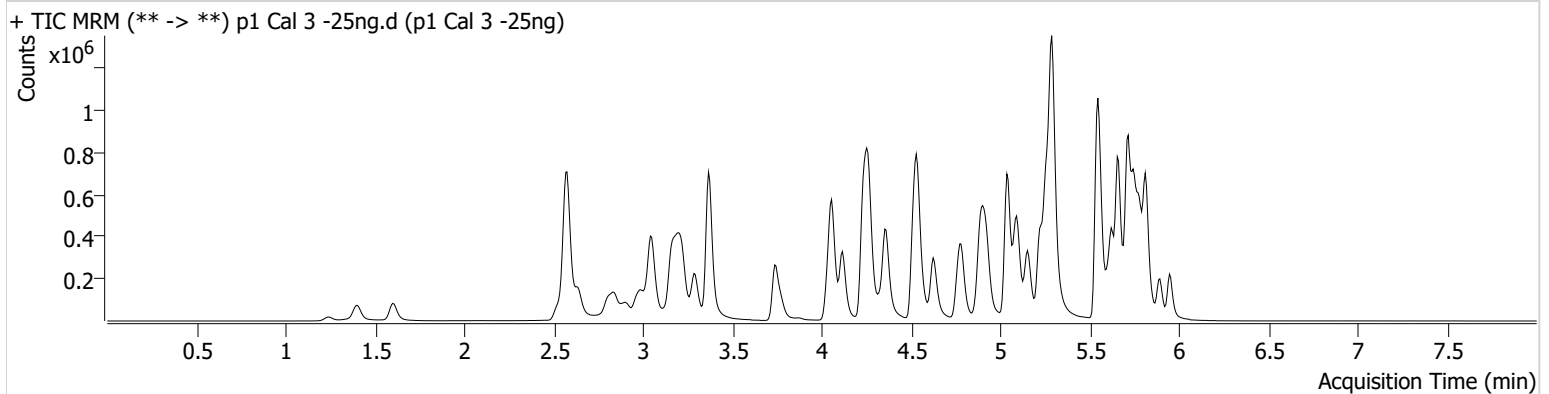
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/18/2022 11:29:02 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	5418	44.60	76.8	573.04	55190	2.4700 ng/ml
7-aminoclonazepam	4.256	95607	3171.23	72.2	1259.72	144478	26.2522 ng/ml
a-hydroxyalprazolam	5.692	51356	226.09	66.3	411.19	246633	28.1532 ng/ml
alpha-PHP	4.929	103771	1210.91	261.2	823.31	557786	26.2170 ng/ml
alpha-PVP	4.361	373947	2605.65	50.7	12697.29	557786	24.5589 ng/ml
Alprazolam	5.769	175274	1184.12	107.3	1290.88	246633	24.8234 ng/ml
Amphetamine	3.051	725447	941.25	44.6	2143.64	299059	27.8979 ng/ml
Benzoylcegonine	3.877	6246	1278.36	8.5	1131.21	8040	25.1514 ng/ml
Buprenorphine	5.833	9613	280.23	14.3	903.23	131149	2.4028 ng/ml
Bupropion	4.780	383818	530.44	68.7	3468.80	522326	25.3163 ng/ml
Carisoprodol	5.724	184034	17744.45	61.8	2256.64	335032	24.2556 ng/ml
Citalopram	5.218	301512	839.56	34.4	245.36	550316	24.2818 ng/ml
Clonazepam	5.605	183478	909.72	35.6	92186.25	100257	27.3956 ng/ml
Clonazepam	5.549	120429	55286.18	36.2	74081.32	100257	27.4045 ng/ml
Cocaine	4.262	229352	34749.23	57.4	527.47	752384	24.9405 ng/ml
Codeine	2.580	28164	866.77	107.3	45007.11	58808	25.6245 ng/ml
Cyclobenzaprine	5.628	271644	507.44	7.9	788.59	442842	23.5342 ng/ml
Dextromethorphan	5.268	167034	174727.65	83.7	10574.90	281318	24.6363 ng/ml
Dextrophan	4.116	101548	5108.35	199.0	359.95	414834	24.4869 ng/ml
Diazepam	5.954	119611	2930.03	88.6	990.40	215922	25.8808 ng/ml
Dihydrocodeine	2.552	72840	176.20	67.9	144896.22	172959	26.8797 ng/ml
Diphenhydramine	5.289	773027	1246.83	31.6	130.24	1885275	24.3891 ng/ml
Doxylamine	4.535	710635	322654.19	99.4	84174.71	1259735	24.6879 ng/ml
EDDP	5.261	314450	667.98	42.0	54987.81	669433	24.2586 ng/ml
Etizolam	5.814	85489	1141.48	26.0	527.54	100257	23.1240 ng/ml
Fentanyl	5.095	28868	303.25	65.4	7583.23	609576	2.4645 ng/ml
Flualprazolam	5.699	68420	2554.70	100.0	7108.10	246633	26.2542 ng/ml
Fluoxetine	5.714	420693	352.46	7.6	13435.53	618569	24.2078 ng/ml
Hydrocodone	3.021	117433	666.76	36.2	93.82	258346	27.3599 ng/ml
Hydromorphone	1.608	93914	504.14	77.2	1616.79	115485	25.1530 ng/ml
Ketamine	4.049	248863	597.69	34.2	799.58	423617	25.8730 ng/ml
Lamotrigine	4.278	21438	524.68	90.0	23257.48	423617	26.8031 ng/ml
Levetiracetam	2.637	108642	2300.27	160.3	6674.24	1302020	23.8598 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	161689	2264.97	52.5	133.10	100257	27.5355 ng/ml
MDA	3.199	378409	2703.13	30.5	737.37	363503	26.1392 ng/ml
MDMA	3.292	243578	1029.49	90.0	1408.66	101157	24.4139 ng/ml
Meprobamate	4.896	103101	285.89	29.7	4199.94	227394	25.8749 ng/ml
Methadone	5.659	470811	1109.41	61.0	50090.61	797531	24.0201 ng/ml
Methamphetamine	3.220	469336	1710.06	39.1	562.40	750676	26.2815 ng/ml
Metoprolol	4.324	69352	3286.50	96.6	3171.99	1104112	25.9225 ng/ml
Mirtazapine	4.623	484075	3485.92	53.5	5080.85	557786	24.2333 ng/ml
Mitragynine	5.229	112283	1217.25	35.5	4917.55	797531	25.6266 ng/ml
Morphine	1.247	13956	3938.03	27.0	144.32	8239	25.0590 ng/ml
Norbuprenorphine	4.991	1188	117.35	79.5	3963.12	18551	2.6471 ng/ml
Nordiazepam	5.893	131540	1072.58	54.5	568.23	176686	24.9989 ng/ml
Norfentanyl	4.077	59800	4717.38	37.1	179.46	989811	2.3289 ng/ml
Norhydrocodone	3.068	15967	39.84	40.5	267.33	61217	22.0674 ng/ml
Noroxycodone	2.912	109295	868.45	48.3	255.71	131046	24.8461 ng/ml
O-desmethyl-tramadol	3.372	570212	13480.48	5.9	1774.73	1182776	24.0382 ng/ml
Oxazepam	5.750	210686	5323.50	70.1	223.44	466045	26.1668 ng/ml
Oxycodone	2.836	213525	351.17	30.2	869.19	306353	26.6588 ng/ml
Oxymorphone	1.398	99152	234.47	48.3	∞	125155	24.6480 ng/ml
Phentermine	3.774	149227	413.87	5.6	131.92	714093	27.0733 ng/ml
Promethazine	5.545	640753	2032.09	31.3	692.23	1129672	23.8491 ng/ml
Pseudoephedrine	2.583	638496	928.07	17.1	239.38	1302020	23.7855 ng/ml
Quetiapine	5.555	338647	19481.86	57.7	417558.01	189619	26.6593 ng/ml
Sertraline	5.783	149815	261.95	93.1	767.31	258996	24.2939 ng/ml
Temazepam	5.817	360216	553.13	27.6	609.32	650693	25.1729 ng/ml
Tramadol	4.244	596271	1153.86	3.6	93.27	1104112	25.3441 ng/ml
Trazodone	5.148	367610	70119.68	80.4	512347.95	588870	26.9673 ng/ml
Venlafaxine	5.036	527108	28645.65	31.6	2535.09	1090616	24.4009 ng/ml
Zolpidem	4.914	481080	3472.68	30.3	1187.63	927904	26.4887 ng/ml

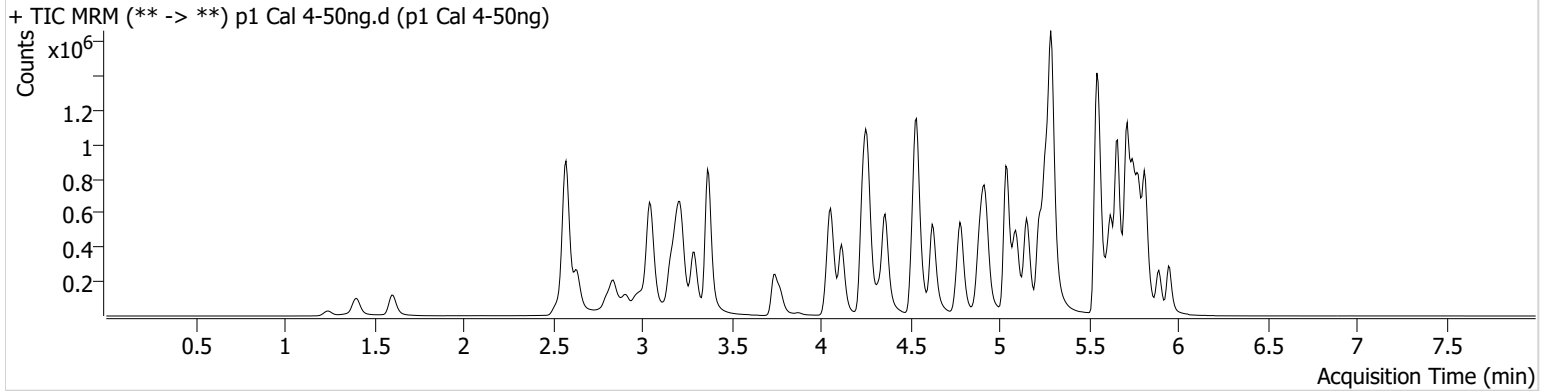
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/18/2022 11:39:40 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	10071	40513.53	68.6	15121.31	49166	5.1295 ng/ml
7-aminoclonazepam	4.256	190171	338.87	72.6	8809.29	141328	54.0678 ng/ml
a-hydroxyalprazolam	5.692	82761	655.77	65.5	261.26	211772	53.6048 ng/ml
alpha-PHP	4.929	187132	826.03	259.8	5163.67	499152	53.4436 ng/ml
alpha-PVP	4.361	672242	41474.39	51.6	8919.79	499152	49.3543 ng/ml
Alprazolam	5.769	309795	1028.42	105.9	1516.53	211772	51.0555 ng/ml
Amphetamine	3.044	1279192	7806.10	45.2	647.54	279236	53.6298 ng/ml
Benzoylecgonine	3.877	10659	393.89	9.2	248.29	6999	49.6028 ng/ml
Buprenorphine	5.833	17208	2327.81	15.8	3810.89	116974	4.7894 ng/ml
Bupropion	4.787	686277	1815.48	69.3	5033.05	471209	50.4306 ng/ml
Carisoprodol	5.724	301915	57173.86	63.2	2247.77	279823	47.1572 ng/ml
Citalopram	5.225	543549	680.14	34.2	775.06	491831	48.9677 ng/ml
Clonazepam	5.605	303122	2934.38	35.6	1009.17	85885	53.8816 ng/ml
Clonazepam	5.549	202276	343296.45	37.8	89820.27	85885	56.1231 ng/ml
Cocaine	4.262	421344	713.75	57.4	298.22	680512	50.8588 ng/ml
Codeine	2.580	51639	104.92	105.7	108558.66	52522	53.2841 ng/ml
Cyclobenzaprine	5.628	504803	144123.24	8.0	427.02	400671	47.8105 ng/ml
Dextromethorphan	5.268	302044	1477732.88	82.7	642.58	250220	50.1403 ng/ml
Dextrophan	4.116	184828	1997.34	198.0	2127.80	373561	49.3936 ng/ml
Diazepam	5.954	209058	1024.26	89.7	3726.66	192105	51.0485 ng/ml
Dihydrocodeine	2.552	129988	1887.57	68.9	1921.45	160218	52.5711 ng/ml
Diphenhydramine	5.295	1382459	26181.01	31.6	16597.57	1700392	48.0528 ng/ml
Doxylamine	4.535	1306650	899.21	99.3	2183.46	1091776	52.5364 ng/ml
EDDP	5.261	557531	953.84	42.1	17248.51	580065	49.4786 ng/ml
Etizolam	5.814	148770	3709.95	27.7	63106.95	85885	46.5832 ng/ml
Fentanyl	5.102	52285	384.62	65.5	38219.05	561989	4.8408 ng/ml
Flualprazolam	5.699	118397	2601.27	103.6	4274.89	211772	53.4969 ng/ml
Fluoxetine	5.714	750825	748.89	7.9	250.19	553694	47.8984 ng/ml
Hydrocodone	3.021	203855	1125.03	37.9	531.65	233131	53.6454 ng/ml
Hydromorphone	1.608	173322	16035.67	78.2	675703.51	106898	50.2867 ng/ml
Ketamine	4.049	448243	35964.13	34.6	808.97	386583	51.5285 ng/ml
Lamotrigine	4.278	37957	1315.71	89.8	455.66	386583	52.8439 ng/ml
Levetiracetam	2.637	202472	2669.54	162.3	370.62	1172330	48.8441 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	249520	4765.11	54.2	333.61	85885	50.7749 ng/ml
MDA	3.199	672150	2933.19	29.9	1987.09	332109	51.5884 ng/ml
MDMA	3.292	449054	71233.52	90.1	3957.65	90221	50.4537 ng/ml
Meprobamate	4.896	183880	504.27	28.3	12004.62	200268	53.5542 ng/ml
Methadone	5.660	859559	1192.84	59.5	570.80	712321	48.5935 ng/ml
Methamphetamine	3.220	852362	4992.29	38.8	1804.55	689562	53.0140 ng/ml
Metoprolol	4.324	127717	300507.56	95.2	2137.63	1009242	52.8397 ng/ml
Mirtazapine	4.623	884248	4927.34	53.9	5177.94	499152	49.3946 ng/ml
Mitragynine	5.229	206774	241143.69	34.8	2163.93	712321	53.0781 ng/ml
Morphine	1.247	25294	2427.51	27.1	1395.82	7211	51.9347 ng/ml
Norbuprenorphine	4.991	2001	6753.41	89.9	2194.86	16907	5.0252 ng/ml
Nordiazepam	5.893	230534	1006.81	55.0	830.35	149948	52.1009 ng/ml
Norfentanyl	4.084	110263	573.06	35.3	272.25	892985	4.7017 ng/ml
Norhydrocodone	3.068	29837	266.39	37.1	47.46	51785	47.2232 ng/ml
Noroxycodone	2.912	194607	949.60	47.3	2177.03	117227	49.7696 ng/ml
O-desmethyl-tramadol	3.372	1048772	59408.94	5.9	189.78	1069442	48.7367 ng/ml
Oxazepam	5.750	344352	447.75	72.4	1591.81	380648	52.8543 ng/ml
Oxycodone	2.836	384351	1728.00	30.1	1029.68	277359	53.6432 ng/ml
Oxymorphone	1.398	183733	319.96	45.9	620.21	110128	52.1017 ng/ml
Phentermine	3.774	266783	284.94	5.2	362.76	648561	54.3419 ng/ml
Promethazine	5.545	1161538	19099.11	31.6	12369.93	1009131	48.0505 ng/ml
Pseudoephedrine	2.577	1170183	1001.71	17.2	457.16	1172330	47.9090 ng/ml
Quetiapine	5.555	600093	31016.16	58.4	405809.91	168525	54.0203 ng/ml
Sertraline	5.783	276077	619.77	94.1	16705.36	234144	49.2799 ng/ml
Temazepam	5.817	595753	1127.59	27.6	200.60	542400	49.9593 ng/ml
Tramadol	4.244	1102549	816.62	3.4	314.97	1009242	51.6403 ng/ml
Trazodone	5.148	670153	309.55	81.3	1133.54	550049	53.2083 ng/ml
Venlafaxine	5.043	952361	23279.93	31.7	969.90	993440	48.1556 ng/ml
Zolpidem	4.914	861130	5833.85	30.4	1735.37	826826	54.0727 ng/ml



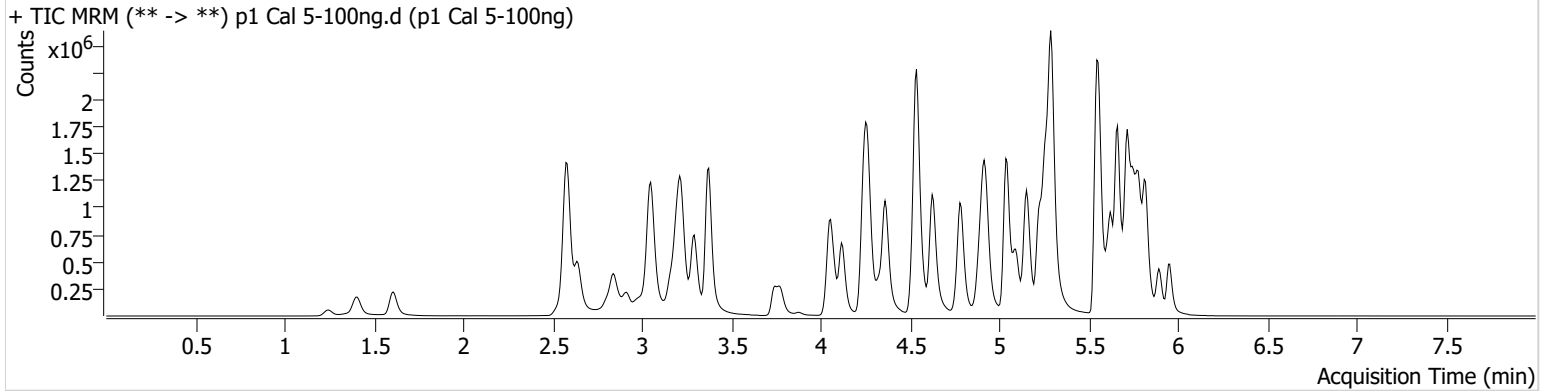
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P6-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/18/2022 11:50:18 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	21524	331.87	68.7	511.37	54438	9.8812 ng/ml
7-aminoclonazepam	4.256	336075	∞	72.9	5497.87	131784	103.0634 ng/ml
a-hydroxyalprazolam	5.692	152421	368.48	67.2	1654.00	216654	97.2002 ng/ml
alpha-PHP	4.929	395068	656.10	258.0	11138.71	537824	105.2948 ng/ml
alpha-PVP	4.361	1438810	1067670.87	51.6	25120.44	537824	98.0565 ng/ml
Alprazolam	5.769	613866	1001.03	108.4	954.51	216654	98.8510 ng/ml
Amphetamine	3.051	2464972	2956.62	45.9	1471.33	293835	99.0925 ng/ml
Benzoylecgonine	3.877	23756	2922.59	8.2	376.05	8164	95.0456 ng/ml
Buprenorphine	5.833	37133	5471.82	15.7	22575.57	121225	9.9370 ng/ml
Bupropion	4.787	1486813	72656.22	69.3	13755.68	508237	101.5583 ng/ml
Carisoprodol	5.724	564562	470.26	62.3	409.99	257056	95.4691 ng/ml
Citalopram	5.218	1128902	119790.86	34.9	12054.11	505437	98.9522 ng/ml
Clonazepam	5.605	591803	911.92	35.4	920.33	83818	108.9195 ng/ml
Clonazolam	5.549	375998	49448.28	37.2	153245.00	83818	109.1477 ng/ml
Cocaine	4.262	870320	1230.70	57.5	893.26	722053	99.1940 ng/ml
Codeine	2.580	102715	13604.32	102.3	2771.41	53395	104.8714 ng/ml
Cyclobenzaprine	5.628	1000291	29409.41	8.1	174.00	398050	94.8654 ng/ml
Dextromethorphan	5.268	605530	1285.40	82.9	169243.10	254436	98.9051 ng/ml
Dextrophan	4.116	383307	10632.59	203.4	9375.79	392735	97.3402 ng/ml
Diazepam	5.954	424437	1701.71	90.6	1157.52	199812	99.8463 ng/ml
Dihydrocodeine	2.552	269239	1770.62	69.7	8011.95	168807	104.1701 ng/ml
Diphenhydramine	5.295	2893435	72960.02	32.1	2197.28	1761144	96.7852 ng/ml
Doxylamine	4.535	2871997	2470.46	97.6	105160.88	1243056	101.5529 ng/ml
EDDP	5.261	1167279	143196.15	41.6	19230.98	615437	97.4890 ng/ml
Etizolam	5.814	306305	1811.14	27.0	787.12	83818	97.8549 ng/ml
Fentanyl	5.095	115079	20903.72	63.7	214.84	601253	9.9577 ng/ml
Flualprazolam	5.699	241048	6786.55	101.7	18762.21	216654	107.0342 ng/ml
Fluoxetine	5.714	1386830	54315.39	7.7	14817.97	512051	95.2975 ng/ml
Hydrocodone	3.021	416937	247.47	38.2	274.93	245305	105.3093 ng/ml
Hydromorphone	1.608	360070	1472.69	78.2	854118.27	112124	99.7349 ng/ml
Ketamine	4.049	976684	645.59	33.9	276.96	417677	104.4014 ng/ml
Lamotrigine	4.278	76744	1269.70	90.6	157718.21	417677	99.6690 ng/ml
Levetiracetam	2.644	406929	4560.63	161.7	1900.94	1202920	95.1858 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	411865	2119.37	52.8	1190.02	83818	86.8876 ng/ml
MDA	3.199	1301510	4359.72	29.6	2098.52	328218	101.8589 ng/ml
MDMA	3.292	951441	9908.37	90.9	1704.51	94975	101.5392 ng/ml
Meprobamate	4.896	353564	12237.57	28.3	3960.44	204242	101.9678 ng/ml
Methadone	5.660	1807461	49254.09	59.2	22955.45	739566	97.9203 ng/ml
Methamphetamine	3.220	1812869	9556.61	38.8	23056.91	755572	103.9185 ng/ml
Metoprolol	4.324	263263	440972.91	96.8	11230.50	1081158	102.2330 ng/ml
Mirtazapine	4.623	1903646	24990.30	53.4	11284.95	537824	98.6239 ng/ml
Mitragynine	5.229	419760	1397.65	35.2	1709.22	739566	103.9979 ng/ml
Morphine	1.247	53513	3532.80	27.8	204.19	7960	99.5781 ng/ml
Norbuprenorphine	4.991	4032	2576.02	97.8	7825.17	17986	9.6562 ng/ml
Nordiazepam	5.893	454519	1358.21	54.4	746.32	149335	103.5809 ng/ml
Norfentanyl	4.084	231074	1884.62	36.2	3534.53	922156	9.4844 ng/ml
Norhydrocodone	3.068	59583	343.25	38.3	114.38	48802	98.6546 ng/ml
Noroxycodone	2.912	375282	659.91	48.7	1318.45	115784	97.4749 ng/ml
O-desmethyl-tramadol	3.372	2262005	34258.85	5.9	417.91	1129096	99.3996 ng/ml
Oxazepam	5.750	599006	9175.86	73.2	303.41	340025	103.3903 ng/ml
Oxycodone	2.836	807172	1585.40	30.3	1940.59	303568	103.5243 ng/ml
Oxymorphone	1.405	366707	∞	47.7	1320.28	113902	100.7076 ng/ml
Phentermine	3.774	552926	951.31	5.3	170.82	694787	106.1482 ng/ml
Promethazine	5.545	2398240	27446.51	30.8	2829.85	1031242	96.7394 ng/ml
Pseudoephedrine	2.583	2451162	12302.87	17.0	499.14	1202920	97.2938 ng/ml
Quetiapine	5.555	1220262	6559.45	60.0	37631.14	178922	104.2620 ng/ml
Sertraline	5.783	496661	658.84	94.4	26349.09	208917	99.1244 ng/ml
Temazepam	5.817	1150188	46261.29	27.0	12000.30	517110	101.1861 ng/ml
Tramadol	4.244	2336667	1075.11	3.4	302.91	1081158	102.5190 ng/ml
Trazodone	5.148	1418276	413.94	82.0	145340.02	593586	104.9307 ng/ml
Venlafaxine	5.036	2059794	101809.51	31.5	1493.18	1055280	97.7923 ng/ml
Zolpidem	4.907	1844859	5433.57	29.9	5030.85	900406	107.2036 ng/ml

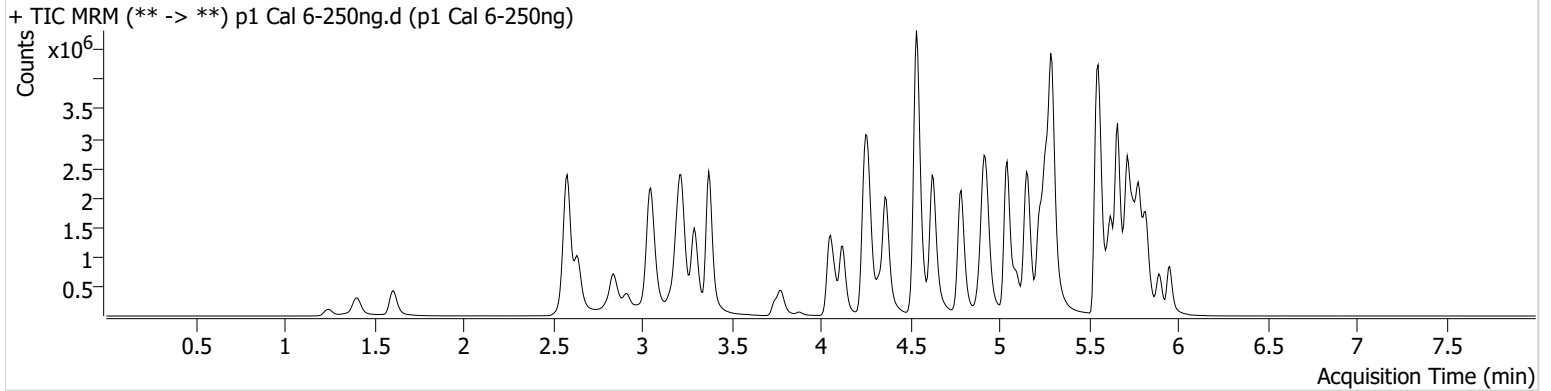
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 12:00:55 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	47065	2729.67	71.5	64030.60	47557	24.6997 ng/ml
7-aminoclonazepam	4.256	637779	14213.80	72.2	7143.28	104739	247.0097 ng/ml
a-hydroxyalprazolam	5.692	244246	356.70	65.8	331.59	160748	210.9432 ng/ml
alpha-PHP	4.929	804726	1131.98	259.9	228105.04	457873	252.7692 ng/ml
alpha-PVP	4.368	3099721	1119.14	51.2	21755.04	457873	248.1650 ng/ml
Alprazolam	5.769	1188345	2435.92	107.1	1442.94	160748	257.8477 ng/ml
Amphetamine	3.051	4593211	2643.06	45.5	1171.92	260436	209.5003 ng/ml
Benzoylecgonine	3.877	54147	9133.14	8.5	1711.26	6853	258.5999 ng/ml
Buprenorphine	5.833	78085	50451.64	16.1	121768.19	102454	24.6754 ng/ml
Bupropion	4.787	3279529	1801.77	68.4	1119.84	449550	253.6418 ng/ml
Carisoprodol	5.724	918960	29722.23	62.6	3311.68	159313	249.9209 ng/ml
Citalopram	5.225	2294253	∞	34.1	993.55	403264	252.0332 ng/ml
Clonazepam	5.605	1042526	23588.28	35.1	205713.78	63641	254.1976 ng/ml
Clonazepam	5.549	603874	65459.89	37.1	350006.98	63641	233.6514 ng/ml
Cocaine	4.262	1778108	16491.74	57.8	1611.95	592354	247.3222 ng/ml
Codeine	2.580	198417	147.22	99.7	4033.06	42712	254.1615 ng/ml
Cyclobenzaprine	5.628	2148779	642127.29	7.9	312.90	316240	255.6527 ng/ml
Dextromethorphan	5.268	1197381	46517.70	82.8	54635.92	198634	250.5984 ng/ml
Dextrophan	4.123	822185	7886.63	204.3	1833.23	328614	249.3818 ng/ml
Diazepam	5.954	859514	985.89	89.3	∞	155365	260.3811 ng/ml
Dihydrocodeine	2.552	568590	415.90	68.7	391.22	151412	246.4172 ng/ml
Diphenhydramine	5.295	6114494	243705.54	31.4	2265.95	1414879	254.0759 ng/ml
Doxylamine	4.535	6519115	316501.65	96.6	173283.44	1115645	257.0562 ng/ml
EDDP	5.261	2475105	39500.81	41.3	94602.14	512374	248.0608 ng/ml
Etizolam	5.814	597360	5397.73	27.1	33386.02	63641	250.7475 ng/ml
Fentanyl	5.102	256690	470.30	64.5	581939.93	543703	24.5609 ng/ml
Flualprazolam	5.699	431831	10052.81	106.2	36780.27	160748	259.2533 ng/ml
Fluoxetine	5.714	2739724	∞	7.7	180.50	385458	249.4911 ng/ml
Hydrocodone	3.021	852087	891.12	38.2	242.48	215596	246.3305 ng/ml
Hydromorphone	1.608	777393	1539565.12	77.9	4380818.96	96174	251.2472 ng/ml
Ketamine	4.049	2100579	141920.64	33.6	9702.08	367919	255.5905 ng/ml
Lamotrigine	4.285	148188	3860.48	90.8	5084.30	367919	219.5504 ng/ml
Levetiracetam	2.644	855964	2718.34	163.3	12023.07	958197	250.5263 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	534294	12612.75	52.9	4114.68	63641	149.4873 ng/ml
MDA	3.199	2345438	8892.54	28.7	1816.22	268076	225.7229 ng/ml
MDMA	3.292	1993988	2089.62	90.7	15042.13	79958	252.7537 ng/ml
Meprobamate	4.896	606222	35718.83	28.0	728.01	166252	216.0318 ng/ml
Methadone	5.659	3896825	3300.95	57.0	2055.87	615988	252.6964 ng/ml
Methamphetamine	3.220	3850859	2946.11	38.3	1120.05	683731	245.3887 ng/ml
Metoprolol	4.324	533707	842343.65	98.8	2031.55	896536	250.8075 ng/ml
Mirtazapine	4.623	4146429	5031.95	52.4	37214.84	457873	252.2205 ng/ml
Mitragynine	5.236	839942	3886.21	36.5	1681.97	615988	250.1661 ng/ml
Morphine	1.247	119177	1385.59	26.9	197.25	6866	257.1736 ng/ml
Norbuprenorphine	4.998	9110	7004.53	92.6	6199.71	16044	24.6992 ng/ml
Nordiazepam	5.893	858845	31685.33	54.1	1369.73	114417	256.1098 ng/ml
Norfentanyl	4.084	507685	6363.44	35.4	1106.74	745582	25.6773 ng/ml
Norhydrocodone	3.068	121894	163.11	40.0	204.98	37133	263.1180 ng/ml
Noroxycodone	2.912	711942	11793.69	47.3	5685.18	84103	255.0867 ng/ml
O-desmethyl-tramadol	3.372	5013847	4466.90	5.9	720.67	983424	252.7191 ng/ml
Oxazepam	5.750	834199	27030.36	72.1	5680.47	195480	251.1513 ng/ml
Oxycodone	2.836	1642583	1526.01	30.3	2372.69	260474	246.4136 ng/ml
Oxymorphone	1.405	758321	∞	47.0	3693.37	94382	251.5921 ng/ml
Phentermine	3.780	1089857	2243.25	5.1	126.22	609635	239.8022 ng/ml
Promethazine	5.545	5288440	1387.92	30.1	1196.58	849976	258.2523 ng/ml
Pseudoephedrine	2.583	5051447	111425.36	16.7	75573.87	958197	250.9411 ng/ml
Quetiapine	5.555	2410865	63608.77	60.5	39581.17	144850	255.6981 ng/ml
Sertraline	5.783	1050342	944.79	91.2	495.18	171123	255.5624 ng/ml
Temazepam	5.817	1873378	41737.83	27.1	338.03	338556	251.7487 ng/ml
Tramadol	4.244	4922323	768.45	3.3	457.16	896536	260.9949 ng/ml
Trazodone	5.148	3128492	100699.54	81.1	203645.30	540968	254.8354 ng/ml
Venlafaxine	5.043	4481693	2494.56	30.9	1897.19	891480	251.4813 ng/ml
Zolpidem	4.914	3899378	1312.29	29.1	57130.98	792151	258.7541 ng/ml

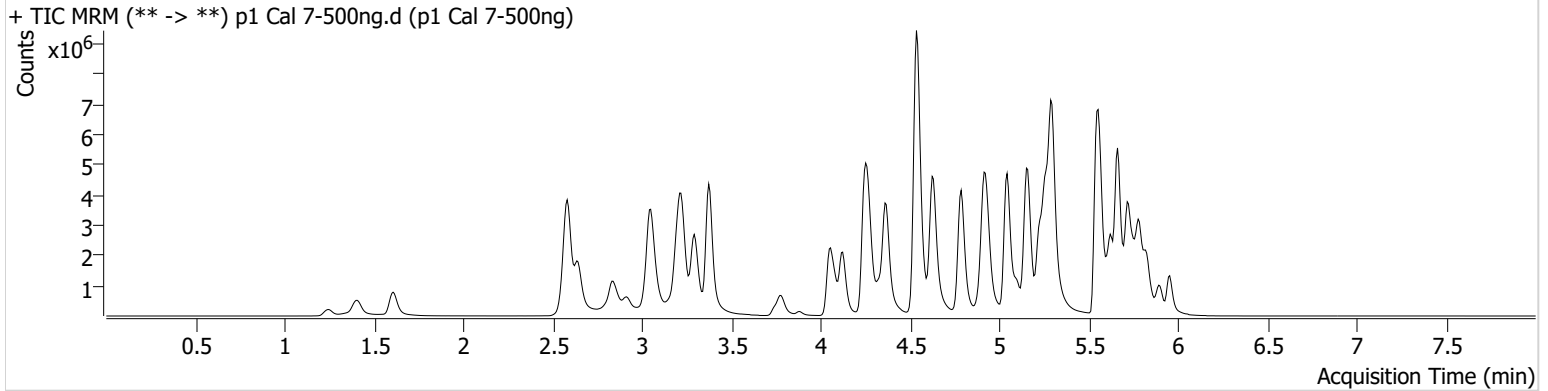
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 12:11:31 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	101613	556.98	69.9	82458.63	51831	48.9083 ng/ml
7-aminoclonazepam	4.263	797856	3604.35	71.3	1121.71	77172	419.8524 ng/ml
a-hydroxyalprazolam	5.685	295969	1852.24	65.9	1180.88	135951	302.6162 ng/ml
alpha-PHP	4.936	1499102	1254.88	259.7	140221.62	450726	478.8825 ng/ml
alpha-PVP	4.368	6285548	158556.25	50.6	9646.19	450726	511.2234 ng/ml
Alprazolam	5.769	1965380	1626.15	104.5	1176.36	135951	504.1949 ng/ml
Amphetamine	3.051	7757050	83150.08	45.8	57021.83	274773	335.9839 ng/ml
Benzoylecgonine	3.877	128356	194.03	8.3	208.25	8222	511.2402 ng/ml
Buprenorphine	5.833	152509	3341.72	16.2	42427.92	99828	49.4285 ng/ml
Bupropion	4.787	6810519	115618.36	67.1	110426.44	472214	501.7031 ng/ml
Carisoprodol	5.724	1187227	102142.06	62.1	2772.34	99484	516.5170 ng/ml
Citalopram	5.218	4065444	124033.16	33.9	25423.30	354580	507.9137 ng/ml
Clonazepam	5.605	1451348	34355.27	34.5	8073.85	49270	458.0028 ng/ml
Clonazepam	5.549	726540	216152.50	38.6	159612.93	49270	364.4892 ng/ml
Cocaine	4.262	3349658	43480.85	57.1	3562.27	549890	502.0943 ng/ml
Codeine	2.580	317827	805.55	98.2	∞	40838	426.2313 ng/ml
Cyclobenzaprine	5.628	3838109	5327.16	7.5	371.42	271221	531.8975 ng/ml
Dextromethorphan	5.268	1971480	32156.31	81.5	95127.34	164338	498.7693 ng/ml
Dextrophan	4.123	1624123	∞	203.6	3880.90	319367	506.7868 ng/ml
Diazepam	5.954	1512039	∞	88.9	5366.80	144881	491.3912 ng/ml
Dihydrocodeine	2.552	1068939	347.02	70.7	358.10	164706	426.4882 ng/ml
Diphenhydramine	5.295	11282259	182412.01	31.0	50750.43	1260204	526.0195 ng/ml
Doxylamine	4.535	13553335	24634.50	96.8	263808.24	1157314	515.3243 ng/ml
EDDP	5.261	4966807	141141.05	39.8	95466.02	493466	516.6939 ng/ml
Etizolam	5.814	1070947	4387.84	27.0	5109.76	49270	580.1655 ng/ml
Fentanyl	5.102	577264	54183.20	64.6	2650.06	583800	51.4396 ng/ml
Flualprazolam	5.699	658106	17994.29	109.9	70024.30	135951	467.6280 ng/ml
Fluoxetine	5.714	4287119	147499.45	7.6	47608.32	293258	512.7540 ng/ml
Hydrocodone	3.021	1642344	∞	39.4	1303.20	218627	469.1920 ng/ml
Hydromorphone	1.608	1543156	7948165.58	78.1	7364048.80	96389	497.7604 ng/ml
Ketamine	4.049	4145695	112724.90	33.4	10206.06	383793	483.9937 ng/ml
Lamotrigine	4.285	245949	864.93	91.2	33018.99	383793	349.8489 ng/ml
Levetiracetam	2.644	1549067	4413.85	166.1	28891.60	862488	503.1860 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	581907	13263.79	52.5	470.72	49270	210.8923 ng/ml
MDA	3.192	3551049	3699.81	28.1	1691.00	244317	375.5228 ng/ml
MDMA	3.292	3844336	2902.90	91.4	55954.20	78273	497.7778 ng/ml
Meprobamate	4.896	859055	65716.51	28.2	11903.92	161307	316.0350 ng/ml
Methadone	5.660	7357510	191846.12	58.6	78407.33	569778	515.3000 ng/ml
Methamphetamine	3.220	7605360	58458.16	37.3	1861.85	763741	434.6947 ng/ml
Metoprolol	4.324	956777	∞	100.4	6030.98	914177	441.4057 ng/ml
Mirtazapine	4.623	8365004	7932.90	52.3	66113.02	450726	516.8261 ng/ml
Mitragynine	5.229	1494608	47881.15	36.6	145890.42	569778	481.4613 ng/ml
Morphine	1.247	235112	∞	28.1	2344.21	7181	485.1300 ng/ml
Norbuprenorphine	4.998	19486	350.46	100.3	444.57	18111	46.9395 ng/ml
Nordiazepam	5.900	1327564	2181.45	54.7	1322.85	92029	492.6022 ng/ml
Norfentanyl	4.084	1039994	46054.26	36.1	13298.78	682467	57.3956 ng/ml
Norhydrocodone	3.068	257976	934.86	40.5	229.76	35314	584.0020 ng/ml
Noroxycodone	2.912	1160567	14811.06	48.8	3060.02	70202	498.4695 ng/ml
O-desmethyl-tramadol	3.372	10216839	120324.00	5.8	24611.03	981956	515.5796 ng/ml
Oxazepam	5.750	885929	12612.71	73.1	6350.30	110517	472.2076 ng/ml
Oxycodone	2.829	2997637	∞	30.3	2207.47	276204	424.5498 ng/ml
Oxymorphone	1.405	1437660	4387.24	49.1	408.32	90389	498.2210 ng/ml
Phentermine	3.780	1967442	∞	5.0	1926.83	649237	407.2468 ng/ml
Promethazine	5.545	10033253	67101.75	29.4	2381.56	791088	526.0799 ng/ml
Pseudoephedrine	2.583	9357751	93216.98	16.5	37637.47	862488	515.9349 ng/ml
Quetiapine	5.562	4151638	782.14	60.1	117512.16	134608	474.5743 ng/ml
Sertraline	5.783	1586360	47287.48	92.2	843.13	130153	507.2568 ng/ml
Temazepam	5.824	2425178	511.99	27.2	422.66	221786	497.5012 ng/ml
Tramadol	4.244	9532976	1293.48	3.2	352.51	914177	496.0376 ng/ml
Trazodone	5.148	6407139	47946.37	82.6	138798.97	595670	474.4958 ng/ml
Venlafaxine	5.043	9176581	332578.17	29.9	5545.91	880389	521.1470 ng/ml
Zolpidem	4.914	7452323	8056.63	28.2	57223.55	840669	466.6631 ng/ml



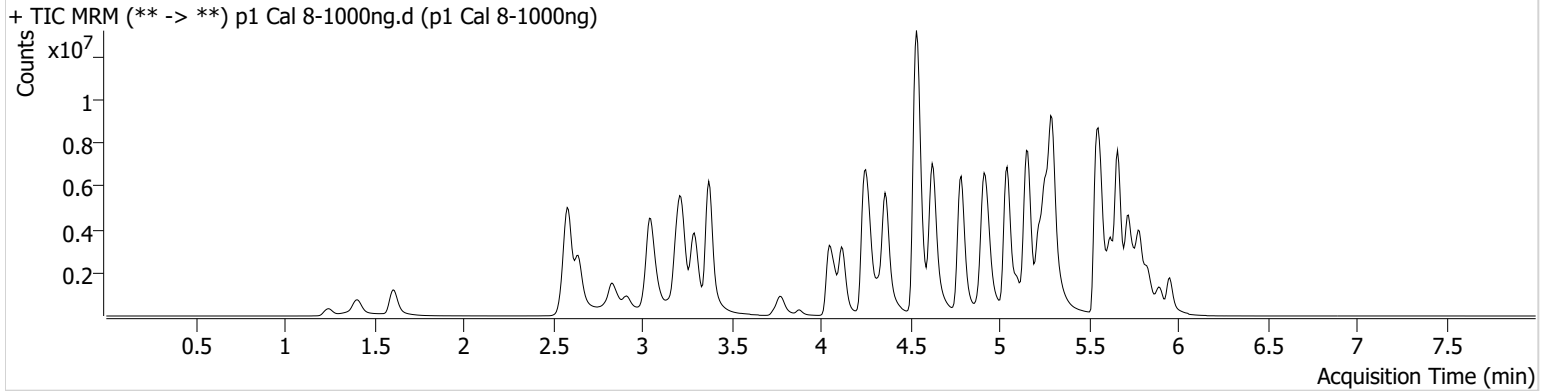
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\AM 27-28\071822 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/22/2022 10:02:40 AM

<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-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/19/2022 12:22:07 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	185283	605.91	69.0	250611.38	45651	101.2305 ng/ml
7-aminoclonazepam	4.256	799115	3536.15	71.5	1392.07	48447	670.2341 ng/ml
a-hydroxyalprazolam	5.685	324910	634.46	66.0	80.73	96194	469.9920 ng/ml
alpha-PHP	4.936	2235575	39896.00	266.0	202598.25	368928	872.9812 ng/ml
alpha-PVP	4.361	10454769	346488.14	50.6	68768.41	368928	1038.8701 ng/ml
Alprazolam	5.769	2674082	562.84	103.9	424.70	96194	969.4942 ng/ml
Amphetamine	3.051	10403543	132708.62	45.7	35407.56	242460	511.2189 ng/ml
Benzoylcegonine	3.877	254187	305.46	8.1	360.62	8528	976.4289 ng/ml
Buprenorphine	5.833	278855	35900.19	14.6	122520.79	79840	112.9609 ng/ml
Bupropion	4.787	11495033	1706622.42	67.0	115202.77	421431	949.0629 ng/ml
Carisoprodol	5.731	1317880	91569.35	62.9	10042.49	52286	1090.3562 ng/ml
Citalopram	5.218	5525881	71711.09	33.9	48203.94	237087	1032.4878 ng/ml
Clonazepam	5.605	1701131	4619.39	34.7	5250.58	32487	815.0212 ng/ml
Clonazepam	5.563	726664	520437.08	39.0	23150.06	32487	554.1593 ng/ml
Cocaine	4.262	5043627	1763.96	56.6	736.42	413906	1004.5835 ng/ml
Codeine	2.580	454793	870.61	96.0	15077.35	32606	764.4149 ng/ml
Cyclobenzaprine	5.628	5479633	231322.58	7.6	1277.85	192181	1071.1930 ng/ml
Dextromethorphan	5.268	2602674	31819.34	82.5	33709.76	107611	1005.6147 ng/ml
Dextrophan	4.116	2690127	1743.46	203.3	198348.21	255356	1049.7350 ng/ml
Diazepam	5.954	2222285	852.85	90.4	269.74	112620	929.2887 ng/ml
Dihydrocodeine	2.552	1667489	22784.49	71.4	25931.01	155799	703.8843 ng/ml
Diphenhydramine	5.295	16345435	97067.83	31.9	28348.35	928869	1033.6227 ng/ml
Doxylamine	4.541	21217066	273998.82	98.0	5945.07	1036149	901.1559 ng/ml
EDDP	5.261	8047295	439745.45	40.1	42483.11	397690	1038.6126 ng/ml
Etizolam	5.814	1601198	86660.00	27.0	12114.01	32487	1315.0325 ng/ml
Fentanyl	5.102	1091149	2228793.48	64.1	32891.25	540587	105.0030 ng/ml
Flualprazolam	5.699	838315	18963.96	112.0	48578.22	96194	842.3363 ng/ml
Fluoxetine	5.721	5679906	139911.54	7.4	12648.74	181870	1094.9812 ng/ml
Hydrocodone	3.021	2695200	1346.41	41.4	∞	193463	871.0683 ng/ml
Hydromorphone	1.608	2618216	8276360.13	79.0	3054508.83	81571	998.0890 ng/ml
Ketamine	4.049	6814355	111884.05	32.4	18566.32	340083	898.2034 ng/ml
Lamotrigine	4.285	298987	1240.08	91.1	479.92	340083	480.2847 ng/ml
Levetiracetam	2.644	2425444	8957.61	167.7	14065.50	615658	1103.1268 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	613220	42234.60	54.0	3034.70	32487	337.9204 ng/ml
MDA	3.192	4690348	8767.79	27.1	7053.54	185342	654.4340 ng/ml
MDMA	3.292	5984501	3622.61	91.0	2693.18	60618	1000.5688 ng/ml
Meprobamate	4.889	1038640	46358.59	28.1	6967.97	128099	481.7452 ng/ml
Methadone	5.659	11301567	115819.55	58.7	90271.61	428539	1051.9009 ng/ml
Methamphetamine	3.220	11719600	92375.93	36.7	81174.63	724523	706.7823 ng/ml
Metoprolol	4.324	1371688	17686.29	99.4	65112.60	772449	749.3541 ng/ml
Mirtazapine	4.623	13568449	243003.06	52.2	185355.61	368928	1024.1207 ng/ml
Mitragynine	5.229	2127184	18409.39	38.1	86854.72	428539	911.2773 ng/ml
Morphine	1.247	391163	∞	28.7	∞	6132	945.1891 ng/ml
Norbuprenorphine	4.998	36809	53145.43	92.4	378.98	16233	99.1023 ng/ml
Nordiazepam	5.900	1703170	557.22	53.3	4940.26	63445	917.0753 ng/ml
Norfentanyl	4.084	1736460	80792.67	36.2	2945.52	495196	132.0018 ng/ml
Norhydrocodone	3.068	455158	124.02	39.8	125.70	28244	1286.7799 ng/ml
Noroxycodone	2.912	1678074	9096.66	48.2	7078.94	50058	1011.1073 ng/ml
O-desmethyl-tramadol	3.372	16685793	111591.62	5.9	3541.89	803595	1028.7628 ng/ml
Oxazepam	5.750	847829	19978.55	72.7	3318.62	53641	931.5281 ng/ml
Oxycodone	2.823	4494441	461.60	30.5	1352.92	234429	750.4655 ng/ml
Oxymorphone	1.405	2261244	∞	50.4	1478.57	73445	964.5841 ng/ml
Phentermine	3.780	2909357	18844.92	5.1	10146.90	595862	656.8244 ng/ml
Promethazine	5.545	14910440	49405.63	29.8	35783.62	595179	1038.8205 ng/ml
Pseudoephedrine	2.590	14022359	95229.02	16.2	4145.65	615658	1082.5369 ng/ml
Quetiapine	5.562	5770809	97330.82	59.9	105503.05	106117	837.4380 ng/ml
Sertraline	5.783	2040773	38981.65	90.5	411.12	82309	1031.6294 ng/ml
Temazepam	5.824	2750667	62113.54	26.9	4205.38	125956	993.5951 ng/ml
Tramadol	4.244	14379996	317.54	3.3	519.80	772449	885.8198 ng/ml
Trazodone	5.148	10645717	920.78	82.3	163403.58	549801	854.6535 ng/ml
Venlafaxine	5.043	14892229	8986.83	29.8	4749.23	712820	1044.3122 ng/ml
Zolpidem	4.907	11651945	3914.92	27.3	349220.79	742645	826.6087 ng/ml