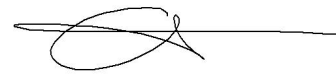


**REVIEWED**

By Tamara Salazar at 3:32 pm, Sep 09, 2022



**Worklist: 6096**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2022-1902	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1918	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1923	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1924	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1924	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1951	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1986	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1991	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1994	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2000	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2015	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 9/8/22

Analyst: Anne Nord

Plate lot#: 220324

Plate re-test: 9/24/22

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

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

**Blank Blood Lot:** 22B52016-1 **Urine Blank lot:** blood only run

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

**LCMS-QQQ ID:** 69679

## 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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 390993 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. 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.

## COMMENTS:

Curve limits: 7-aminoclonazepam 5-250, alpha-hydroxy alprazolam 5-500, amphetamine 5-250, clonazolam 5-500, dihydrocodeine 5-500, MDA 5-250, meprobamate 5-500, methamphetamine 5-500, norbuprenorphine 2.5-100, oxycodone 5-500, phentermine 5-500, trazodone 5-250

Trazodone and 7aminoclonazepam - qualitative only.

Did not evaluate- Norhydrocodone – due to rising ratios, benzoylecgonine- due to interferant in qualifier ion at low levels, oxymorphone- due to poor chromatography.

**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:

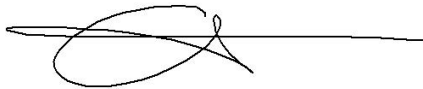
Approver: Rachel Cutler  
Title: Laboratory Manager

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	IS + Cal. 1	IS + QC_1	1918-1	1951-2								
B	IS + Cal. 2	IS + QC_2	1923-1									
C	IS + Cal. 3	IS + QC_3	1986-1									
D	IS + Cal. 4	IS + QC_4	1991-1									
E	IS + Cal. 5		1994-3									
F	IS + Cal. 6	negative blood	2000-3									
G	IS + Cal. 7	1902-1	2015-3									
H	IS + Cal. 8	1924-3	1924-2									

blank in front

plate position 2

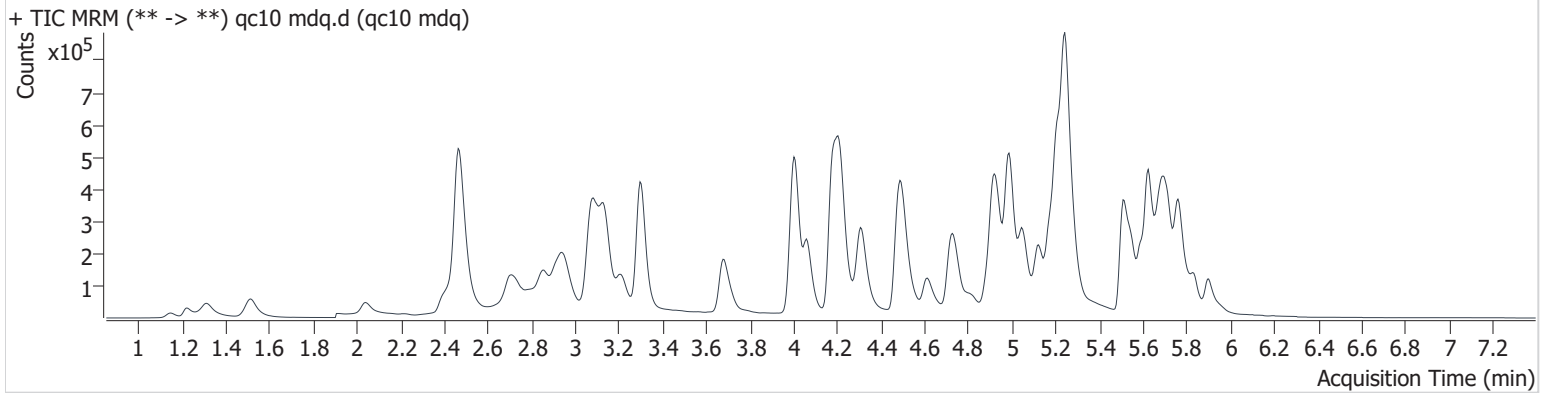
c2022-\_\_-\_\_

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc10 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc10 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 12:13:51 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	2630	∞	130.6	∞	62147	1.069 ng/ml
7-aminoclonazepam	4.192	50299	1324.7	60.2	771.6	199013	10.362 ng/ml
a-hydroxyalprazolam	5.644	9753	∞	51.2	∞	564848	11.122 ng/ml
alpha-PHP	4.883	45862	798.6	252.6	2235.1	592888	9.837 ng/ml
alpha-PVP	4.318	160324	9079.6	55.6	13747.1	592888	9.815 ng/ml
Alprazolam	5.723	69316	1713.1	90.8	918.4	284537	9.647 ng/ml
Amphetamine	2.946	113736	1271.2	274.5	9057.9	511812	10.813 ng/ml
Buprenorphine	5.846	4065	1294.9	17.0	646.2	68607	0.840 ng/ml
Bupropion	4.743	127709	9402.7	74.2	3190.2	683539	9.695 ng/ml
Carisoprodol	5.678	38830	137342.1	85.9	2154.1	177853	10.092 ng/ml
Citalopram	5.173	109225	2293.4	35.8	8881.9	478221	10.072 ng/ml
Clonazepam	5.560	49451	1225.3	32.0	7250.2	93328	9.775 ng/ml
Clonazolam	5.502	40684	3008.3	37.3	2737.0	93328	10.087 ng/ml
Cocaine	4.217	112962	∞	51.0	3694.9	847865	10.358 ng/ml
Codeine	2.478	15381	4435.0	92.0	4454.0	73593	10.263 ng/ml
Cyclobenzaprine	5.594	135277	3595.4	8.7	2045.8	392395	9.786 ng/ml
Dextromethorphan	5.216	80734	1735.4	80.2	1644.8	352459	9.714 ng/ml
Dextrophan	4.064	96499	9483.9	45.3	1781.2	425672	10.733 ng/ml
Diazepam	5.907	45789	1215.2	87.6	21701.6	202896	10.029 ng/ml
Dihydrocodeine	2.432	40595	715.4	58.9	390.0	230833	10.427 ng/ml
Diphenhydramine	5.248	378499	20542.2	30.2	1934.4	1775800	10.588 ng/ml
Doxylamine	4.503	293260	6815.1	66.6	3054.6	1148159	10.304 ng/ml
EDDP	5.211	160699	4458.2	42.2	3570.7	816058	9.629 ng/ml
Etizolam	5.769	34864	13669.4	21.6	6440.5	202896	10.798 ng/ml
Fentanyl	5.068	12094	971.0	118.2	54934.0	644005	0.975 ng/ml
Flualprazolam	5.654	32623	1517.9	105.3	2807.9	284537	10.072 ng/ml
Fluoxetine	5.681	113895	86871.0	6.5	6491.9	376301	10.044 ng/ml
Hydrocodone	2.943	58393	1868.6	36.1	246.7	305888	10.817 ng/ml
Hydromorphone	1.518	45192	321.7	76.9	1248.1	145892	9.513 ng/ml
Ketamine	4.013	107718	6555.4	34.5	638.7	511020	10.426 ng/ml
Lamotrigine	4.229	10190	2017.7	92.2	∞	177853	9.845 ng/ml
Levetiracetam	2.506	47348	7707.9	157.7	3863.0	1377549	10.672 ng/ml
Lorazepam	5.696	40517	∞	37.8	750.4	364058	10.903 ng/ml

# AM #28 Multi-Drug Quant. Results

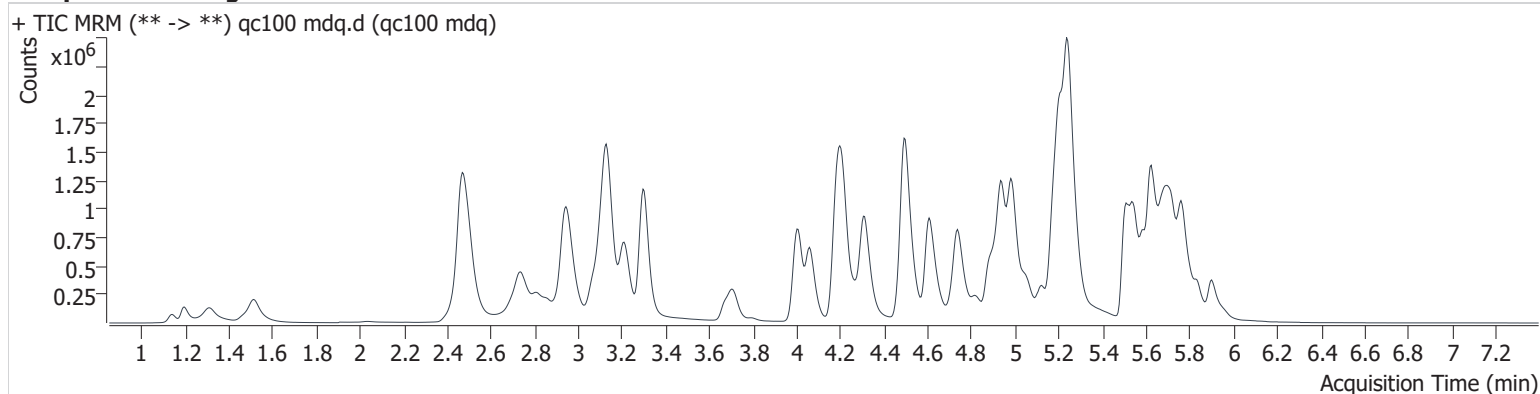
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	149040	4803.2	28.1	87.2	382604	11.264 ng/ml
MDMA	3.215	102326	8060.8	107.1	3170656044 1847.3	100152	10.521 ng/ml
Meprobamate	4.827	41383	864.9	34.1	∞	105096	10.700 ng/ml
Methadone	5.629	165758	8564.6	68.0	2707.9	805410	9.537 ng/ml
Methamphetamine	3.140	442420	1026.5	38.4	1184.3	944544	10.878 ng/ml
Metoprolol	4.275	27144	9033.4	95.8	∞	1377549	10.131 ng/ml
Mirtazapine	4.612	220620	17609.6	47.8	2689.4	805410	10.464 ng/ml
Mitragynine	5.203	36491	40639.0	28.8	∞	382604	9.528 ng/ml
Morphine	1.152	6428	1173.9	23.4	190.9	8998	10.102 ng/ml
<del>Norbuprenorphine</del>	<del>4.937</del>	<del>791</del>	<del>696.5</del>	<del>94.9</del>	<del>1063.8</del>	<del>16975</del>	<del>0.983 ng/ml</del> ocr
Nordiazepam	5.845	33726	∞	63.6	∞	131144	9.742 ng/ml
Norfentanyl	4.029	3388	492.3	250.6	247.7	927819	1.031 ng/ml
Noroxycodone	2.814	52089	1065.8	47.2	1658.9	171646	10.177 ng/ml
O-desmethyl-tramadol	3.307	240959	17332.1	6.4	4395.6	956859	9.887 ng/ml
Oxazepam	5.703	70200	3267.8	66.5	394.6	364058	10.391 ng/ml
Oxycodone	2.737	113417	3207.0	31.9	5680.3	413905	10.111 ng/ml
Phentermine	3.715	39312	187.1	14.2	221.4	516632	10.391 ng/ml
Promethazine	5.509	150359	4266.5	46.8	1555.7	783746	10.165 ng/ml
Pseudoephedrine	2.476	277004	4499.6	17.6	5329.9	1377549	9.928 ng/ml
Quetiapine	5.543	104090	16910.7	58.5	84978.7	146692	9.880 ng/ml
Sertraline	5.750	32877	6217.4	87.9	2721.9	124379	10.257 ng/ml
Temazepam	5.766	130125	2611.1	26.9	779.0	564848	9.982 ng/ml
Tramadol	4.193	246547	8652.3	3.6	200.4	1043804	10.369 ng/ml
Trazodone	5.188	145671	2901.3	77.5	2812.3	642983	10.677 ng/ml
Venlafaxine	4.991	147514	10084.0	40.5	494.5	1270156	9.757 ng/ml
Zolpidem	4.938	244942	7462.3	29.5	31695.5	1160004	9.955 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 3:32:17 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.064	23270	89632.4	133.3	102195.2	61149	10.202 ng/ml
7-aminoclonazepam	4.192	384188	6485.0	66.2	18971.7	164425	102.453 ng/ml
a-hydroxyalprazolam	5.639	81297	2386.6	52.5	∞	498738	106.958 ng/ml
alpha-PHP	4.883	429287	11071.7	252.7	8936.6	552763	101.110 ng/ml
alpha-PVP	4.313	1519956	48649.8	53.3	16854.6	552763	99.283 ng/ml
Alprazolam	5.723	637746	6787.7	90.5	2151.2	238709	100.680 ng/ml
Amphetamine	2.946	918329	30053.7	263.2	31256.3	492383	103.642 ng/ml
Buprenorphine	5.846	44113	41471.0	15.1	2720.4	66030	9.929 ng/ml
Bupropion	4.738	1214247	16238.0	75.8	10423.3	650800	98.094 ng/ml
Carisoprodol	5.673	316782	532322.0	82.6	3636.1	147006	98.142 ng/ml
Citalopram	5.173	957788	12529.2	37.0	360431.5	405939	102.176 ng/ml
Clonazepam	5.560	413962	1599383.5	33.6	223551.5	72660	100.662 ng/ml
Clonazepam	5.496	358835	367067.1	36.6	14055.7	72660	92.076 ng/ml
Cocaine	4.212	1009438	3444885.0	51.1	134206.8	788966	100.701 ng/ml
Codeine	2.478	122952	6175.4	88.3	10251.6	64082	104.698 ng/ml
Cyclobenzaprine	5.594	1198666	962480.0	8.8	4690.9	350345	100.044 ng/ml
Dextromethorphan	5.216	724054	∞	74.9	469827.1	281193	106.861 ng/ml
Dextrophan	4.064	915636	62086.1	44.7	∞	417719	99.803 ng/ml
Diazepam	5.902	431285	30983.4	85.5	2370.2	186671	106.190 ng/ml
Dihydrocodeine	2.442	354154	3771.8	63.6	5798.0	217673	102.901 ng/ml
Diphenhydramine	5.248	3462877	96371.1	31.3	100524.8	1622814	102.989 ng/ml
Doxylamine	4.498	2894678	184997.8	67.7	64417.5	1157855	97.619 ng/ml
EDDP	5.211	1482627	231338.8	43.9	∞	783290	92.336 ng/ml
Etizolam	5.764	298636	∞	24.3	126907.6	186671	108.956 ng/ml
Fentanyl	5.063	124720	12108.9	119.9	1137369.1	637752	9.907 ng/ml
Flualprazolam	5.654	280270	10658.7	101.3	4832.1	238709	110.039 ng/ml
Fluoxetine	5.681	927324	125709.7	6.6	45107.0	316304	98.248 ng/ml
Hydrocodone	2.938	491022	∞	37.1	∞	295525	101.137 ng/ml
Hydromorphone	1.513	428986	635.5	73.4	458.6	137706	94.831 ng/ml
Ketamine	4.008	974921	104182.5	37.4	2959.7	473877	105.771 ng/ml
Lamotrigine	4.229	89971	45549.7	86.0	101172.8	147006	93.768 ng/ml
Levetiracetam	2.506	394181	28542.7	157.7	22898.1	1238569	113.757 ng/ml
Lorazepam	5.696	253268	∞	44.1	∞	269059	96.797 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.108	1194706	35998.3	26.6	2310.0	332445	112.894 ng/ml
MDMA	3.210	958743	63030.7	103.7	28086.0	99661	100.188 ng/ml
Meprobamate	4.827	355825	59092.8	34.2	3543.8	104426	100.181 ng/ml
Methadone	5.623	1668132	1349696.7	62.3	705497.7	752955	99.476 ng/ml
Methamphetamine	3.135	2312959	∞	39.3	42872.0	934426	101.823 ng/ml
Metoprolol	4.275	250062	40139.4	96.3	136280.8	1238569	103.599 ng/ml
Mirtazapine	4.607	2051052	153825.6	48.9	369758.6	752955	100.663 ng/ml
Mitragynine	5.198	305320	299192.5	32.1	148537.3	332445	98.517 ng/ml
Morphine	1.142	57287	17323.4	24.2	3325.5	8328	99.177 ng/ml
Norbuprenorphine	4.942	7138	8843.1	85.0	8788.1	14967	11.233 ng/ml
Nordiazepam	5.840	307334	∞	63.2	∞	119972	97.506 ng/ml
Norfentanyl	4.029	29659	179.1	261.8	2673.4	830792	10.163 ng/ml
Noroxycodone	2.809	455393	∞	47.9	821.3	153726	98.529 ng/ml
O-desmethyl-tramadol	3.302	2356439	323651.3	6.2	132578.6	963547	99.704 ng/ml
Oxazepam	5.703	511425	∞	70.5	4451.6	269059	100.934 ng/ml
Oxycodone	2.732	1018124	31382.8	31.5	∞	398257	103.716 ng/ml
Phentermine	3.710	348465	12658.1	13.0	906.0	499266	104.553 ng/ml
Promethazine	5.509	1456609	162627.7	46.2	47578.7	746816	98.915 ng/ml
Pseudoephedrine	2.476	2523984	∞	17.1	∞	1238569	99.768 ng/ml
Quetiapine	5.543	948074	5813093.6	58.6	2253708.2	137029	92.507 ng/ml
Sertraline	5.750	271739	148622.2	98.8	15584.0	102775	100.406 ng/ml
Temazepam	5.766	1100820	46386.2	29.0	∞	498738	96.752 ng/ml
Tramadol	4.188	2253683	114673.5	3.6	1017.6	996843	103.266 ng/ml
Trazodone	5.182	1248203	2534361.5	78.5	362962.0	619507	101.335 ng/ml
Venlafaxine	4.986	1469419	31926.1	39.2	24485.4	1162916	97.335 ng/ml
Zolpidem	4.938	2397841	1313290.3	29.1	∞	1130644	100.348 ng/ml

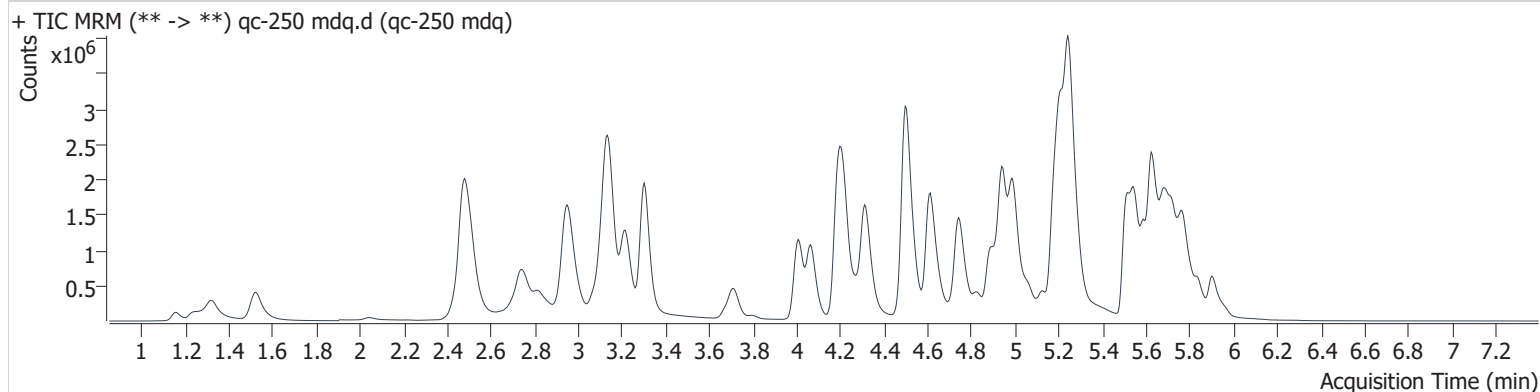


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 12:22:56 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	47609	817860.9	131.4	74813.5	51478	24.900 ng/ml
7-aminoclonazepam	4.192	645609	20783.4	71.5	6840.2	124252	228.819 ng/ml
a-hydroxyalprazolam	5.644	125341	34644.7	49.0	1070.3	331837	248.150 ng/ml
alpha-PHP	4.889	849762	7290.9	252.4	362532.7	434353	255.101 ng/ml
alpha-PVP	4.318	3007698	33214.7	52.8	234308.3	434353	249.932 ng/ml
Alprazolam	5.723	1168375	15049.7	87.3	4087.2	169963	258.246 ng/ml
Amphetamine	2.951	1576360	22210.8	261.6	140236.0	402442	219.584 ng/ml
Buprenorphine	5.846	91930	∞	16.2	10946.2	52265	26.212 ng/ml
Bupropion	4.743	2452560	153858.2	75.2	173468.1	511165	252.478 ng/ml
Carisoprodol	5.678	525809	∞	78.1	8806.9	95301	251.022 ng/ml
Citalopram	5.173	1721191	57739.5	37.0	731647.8	286096	260.219 ng/ml
Clonazepam	5.560	701863	646388.2	33.3	∞	48988	252.451 ng/ml
Clonazolam	5.502	615082	129651.6	37.0	4309.8	48988	230.778 ng/ml
Cocaine	4.217	1935293	95973.7	49.7	∞	598305	254.805 ng/ml
Codeine	2.488	205627	57031.7	92.1	12637.9	46211	244.502 ng/ml
Cyclobenzaprine	5.594	2336542	1644674.9	8.9	∞	269765	253.768 ng/ml
Dextromethorphan	5.216	1297278	10685.2	77.1	68452.3	214275	250.946 ng/ml
Dextrophan	4.064	1825445	73037.7	45.1	39917.1	325850	254.353 ng/ml
Diazepam	5.907	849775	4184.7	85.7	7323.1	144735	270.438 ng/ml
Dihydrocodeine	2.442	673140	7928.8	61.9	708.2	174872	244.518 ng/ml
Diphenhydramine	5.248	6802047	227348.3	30.5	35962.4	1237786	264.700 ng/ml
Doxylamine	4.504	6059998	144341.9	66.6	125731.3	936875	251.983 ng/ml
EDDP	5.211	2970876	45592.3	42.3	∞	595764	243.220 ng/ml
Etizolam	5.769	547964	∞	24.1	∞	144735	259.233 ng/ml
Fentanyl	5.068	265292	∞	118.7	∞	525089	25.553 ng/ml
Flualprazolam	5.654	494717	30951.2	100.5	∞	169963	273.902 ng/ml
Fluoxetine	5.681	1839880	133629.7	6.5	∞	244352	252.505 ng/ml
Hydrocodone	2.943	908792	98352.6	36.7	∞	223616	248.693 ng/ml
Hydromorphone	1.523	863581	3058.1	73.3	4710.0	104809	250.670 ng/ml
Ketamine	4.008	1921269	25675.5	37.6	20070.2	381969	259.257 ng/ml
Lamotrigine	4.234	151773	8135.7	89.3	11581.5	95301	242.110 ng/ml
Levetiracetam	2.516	653522	28314.5	157.9	42324.5	934164	252.226 ng/ml
Lorazepam	5.696	356128	∞	42.1	3444.8	153003	240.256 ng/ml



# AM #28 Multi-Drug Quant. Results

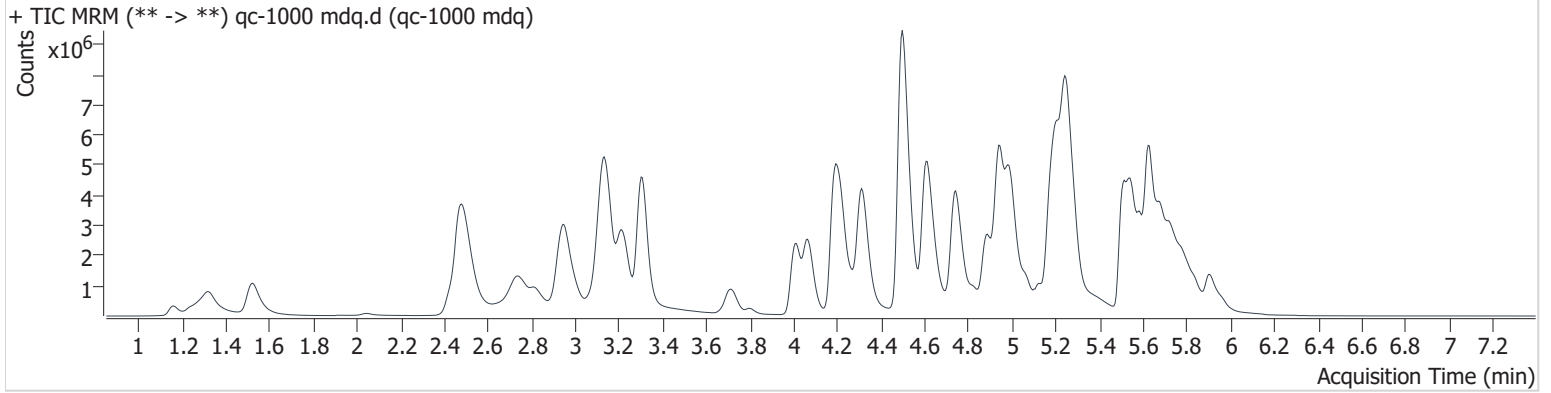
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	1958146	53500.8	25.8	3609.2	241022	256.598 ng/ml
MDMA	3.215	1836735	271553.6	103.6	208781.4	74425	257.229 ng/ml
Meprobamate	4.832	650297	54145.0	33.9	5038.9	80280	239.525 ng/ml
Methadone	5.629	3438567	416680.6	60.3	115827.0	626368	246.011 ng/ml
Methamphetamine	3.142	4276527	39839.9	38.7	15963.0	774681	239.816 ng/ml
Metoprolol	4.275	487049	8575.3	93.2	∞	934164	267.498 ng/ml
Mirtazapine	4.616	4112758	99203.4	49.0	3691618.3	626368	242.107 ng/ml
Mitragynine	5.203	546752	405240.2	32.9	301614.5	241022	244.492 ng/ml
Morphine	1.157	124330	14237.8	21.6	8352.0	6411	280.007 ng/ml
Norbuprenorphine	4.948	12750	16712.6	98.3	11815.7	10889	27.763 ng/ml
Nordiazepam	5.845	595192	∞	62.3	86312.5	90876	249.372 ng/ml
Norfentanyl	4.029	56296	1659.4	263.5	3827.1	622464	25.762 ng/ml
Noroxycodone	2.820	785381	∞	47.6	3314.2	108260	241.155 ng/ml
O-desmethyl-tramadol	3.302	4732813	121400.4	6.0	33601.4	770051	251.212 ng/ml
Oxazepam	5.703	731024	188958.8	70.0	∞	153003	253.453 ng/ml
Oxycodone	2.737	1882428	∞	29.8	40141.9	309980	247.924 ng/ml
Phentermine	3.710	666436	3967.2	12.7	11387.7	393437	255.355 ng/ml
Promethazine	5.515	3025766	42569.5	46.1	10332.8	613184	249.512 ng/ml
Pseudoephedrine	2.481	4740710	31195.8	16.9	13713.1	934164	248.317 ng/ml
Quetiapine	5.543	1873632	2404837.0	57.2	977831.6	103250	241.914 ng/ml
Sertraline	5.750	567766	27131.5	95.3	∞	85159	252.813 ng/ml
Temazepam	5.771	1838749	29226.2	29.1	1685.9	331837	243.089 ng/ml
Tramadol	4.194	4442808	32212.2	3.5	1331.8	771331	263.818 ng/ml
Trazodone	5.188	2330829	99280.8	79.4	2180147.2	525181	224.186 ng/ml
Venlafaxine	4.991	2987763	79815.4	39.2	11196.9	904861	252.914 ng/ml
Zolpidem	4.946	4836663	219554.5	28.3	99174.2	883470	259.106 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

**Instrument** 69679 **Data File** qc-1000 mdq.d  
**Type** QC **Sample** qc-1000 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-D2 **Comment**  
**Injection Volume** 3  
**Acq. Date-Time** 9/8/2022 12:31:58 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	153893	∞	135.5	56588.6	43531	95.390 ng/ml
7-aminoclonazepam	4.187	924645	27522.9	75.0	6666.1	68221	598.175 ng/ml ocr
a-hydroxyalprazolam	5.639	151208	45892.0	49.3	962.7	133561	744.238 ng/ml ocr
alpha-PHP	4.889	2423181	12595.9	255.4	76344.8	313165	1009.718 ng/ml
alpha-PVP	4.313	9174373	545840.8	51.8	202538.5	313165	1057.201 ng/ml
Alprazolam	5.723	2532203	4719.8	89.2	4067.2	92794	1023.621 ng/ml
Amphetamine	2.951	3283718	41029.6	258.1	846400.5	320304	577.534 ng/ml ocr
Buprenorphine	5.846	315186	322330.4	15.3	319280.1	47040	99.975 ng/ml
Bupropion	4.743	8101163	327708.3	70.8	182257.4	423920	1006.030 ng/ml
Carisoprodol	5.678	744479	1119056.4	78.3	27477.6	36082	938.279 ng/ml
Citalopram	5.167	3569934	83783.7	40.5	40279.5	156060	988.881 ng/ml
Clonazepam	5.566	1009157	156493.6	32.1	155646.4	17834	995.735 ng/ml
Clonazepam	5.491	1102982	∞	39.9	21476886.9	17834	1128.343 ng/ml ocr
Cocaine	4.217	5023749	220296.2	47.6	8838440.0	384291	1030.233 ng/ml
Codeine	2.483	442805	23039.2	96.1	∞	27254	896.137 ng/ml
Cyclobenzaprine	5.594	5667682	97039.4	8.4	32694.5	153727	1081.266 ng/ml
Dextromethorphan	5.222	2762963	128978.5	76.1	112101.6	111176	1029.400 ng/ml
Dextrophan	4.064	5252570	230842.7	44.1	236327.1	232460	1024.520 ng/ml
Diazepam	5.907	2446938	∞	84.7	6766.3	104712	1077.512 ng/ml
Dihydrocodeine	2.432	1867505	4865.4	61.7	4169.6	148404	801.129 ng/ml ocr
Diphenhydramine	5.254	17542435	1072363.7	29.3	118129.6	743457	1135.465 ng/ml
Doxylamine	4.498	20579988	284919.0	73.2	123878.1	788390	1015.793 ng/ml
EDDP	5.211	8712034	595656.1	43.1	∞	423207	1003.973 ng/ml
Etizolam	5.769	1456763	27509.3	24.1	217025.2	104712	955.300 ng/ml
Fentanyl	5.068	970658	576009.5	120.6	6211400.9	480525	102.086 ng/ml
Flualprazolam	5.659	892385	15664.1	95.2	∞	92794	906.673 ng/ml
Fluoxetine	5.686	4112301	203094.6	6.3	402729.1	133541	1033.022 ng/ml
Hydrocodone	2.943	2514707	6772.3	37.6	∞	174504	884.137 ng/ml
Hydromorphone	1.523	2668246	2175.0	73.2	3345.8	81201	999.408 ng/ml
Ketamine	4.008	5383331	447416.0	36.8	15110.4	294728	942.663 ng/ml
Lamotrigine	4.234	247395	294071.5	87.0	47776.1	36082	1038.460 ng/ml
Levetiracetam	2.516	1334623	31717.8	158.4	72059.5	549370	880.358 ng/ml
Lorazepam	5.701	277693	∞	45.9	71970.0	31660	907.063 ng/ml

# AM #28 Multi-Drug Quant. Results

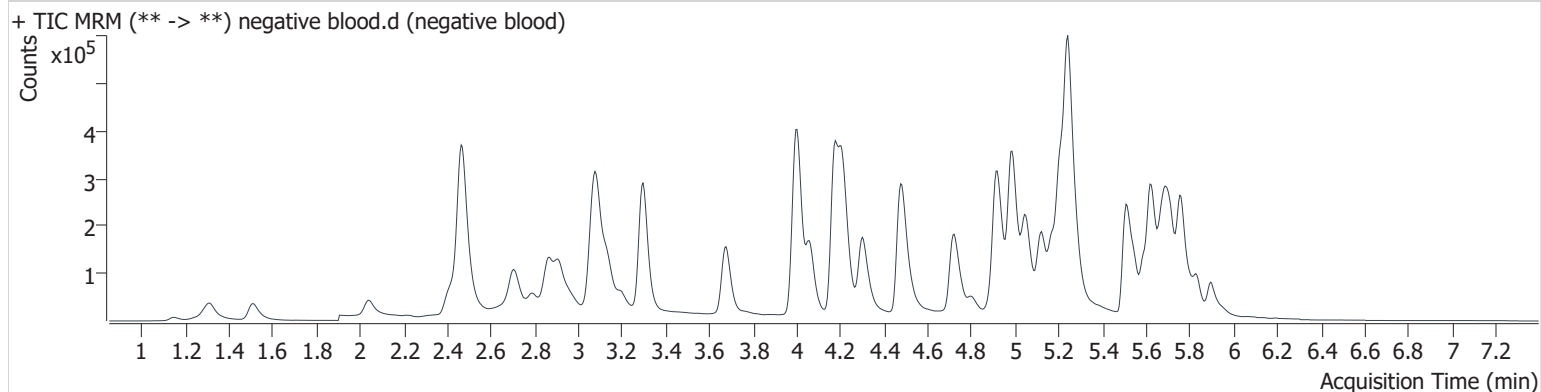
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
MDA	3.103	3244578	81468.4	25.6	1581.5	135152	760.359	ng/ml ocr
MDMA	3.218	4585346	1134295.7	101.8	53899.2	49704	961.917	ng/ml
Meprobamate	4.827	1415924	155864.6	33.1	5962.7	56021	749.470	ng/ml ocr
Methadone	5.629	10701217	61413.2	54.7	247315.4	447404	1070.768	ng/ml
Methamphetamine	3.135	10951812	115688.5	37.2	∞	677284	722.429	ng/ml ocr
Metoprolol	4.275	1072466	255264.0	96.9	∞	549370	1001.528	ng/ml
Mirtazapine	4.613	12493919	259010.9	48.7	318640.2	447404	1028.449	ng/ml
Mitragynine	5.198	1105602	750331.1	31.4	3683698.9	135152	883.714	ng/ml
Morphine	1.162	390668	10151.1	23.7	23981.9	5456	1034.396	ng/ml
Norbuprenorphine	4.942	31621	34763.1	96.3	25765.5	6367	118.177	ng/ml
Nordiazepam	5.845	1277398	106785.5	61.7	∞	47394	1026.386	ng/ml
Norfentanyl	4.034	120876	12965.1	266.1	11678.1	340861	101.041	ng/ml
Noroxycodone	2.814	1762899	∞	46.1	∞	54771	1069.621	ng/ml
O-desmethyl-tramadol	3.307	14015710	478157.9	5.9	597767.5	582977	983.895	ng/ml
Oxazepam	5.703	606846	3867.2	70.4	14391.6	31660	1016.290	ng/ml
Oxycodone	2.732	4817356	∞	29.5	∞	234957	839.733	ng/ml ocr
Phentermine	3.715	1575782	4822.0	12.0	15786.4	327368	727.724	ng/ml ocr
Promethazine	5.515	9454192	164212.9	41.2	182420.9	446794	1068.365	ng/ml
Pseudoephedrine	2.480	11623926	36978.4	16.6	44035.5	549370	1035.026	ng/ml
Quetiapine	5.543	4854145	357006.5	58.8	63655142.7	62076	1041.012	ng/ml
Sertraline	5.750	1184866	556342.4	100.1	39680.5	44767	1002.894	ng/ml
Temazepam	5.781	2908601	1516742.7	30.3	5116.3	133561	955.750	ng/ml
Tramadol	4.188	11721397	363548.3	3.4	6577.6	567801	946.730	ng/ml
Trazodone	5.177	4824740	522764.7	77.6	∞	464886	525.327	ng/ml ocr
Venlafaxine	4.991	9384936	147253.7	36.9	125383.3	609573	1176.005	ng/ml
Zolpidem	4.944	14117171	468033.2	28.7	121473.4	629039	1062.294	ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
Calibration Last Update 9/9/2022 12:54:11 PM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F2	Comment	
Injection Volume	3		
Acq. Date-Time	9/8/2022 12:49:58 PM		
Sample Info.			

## Sample Chromatogram

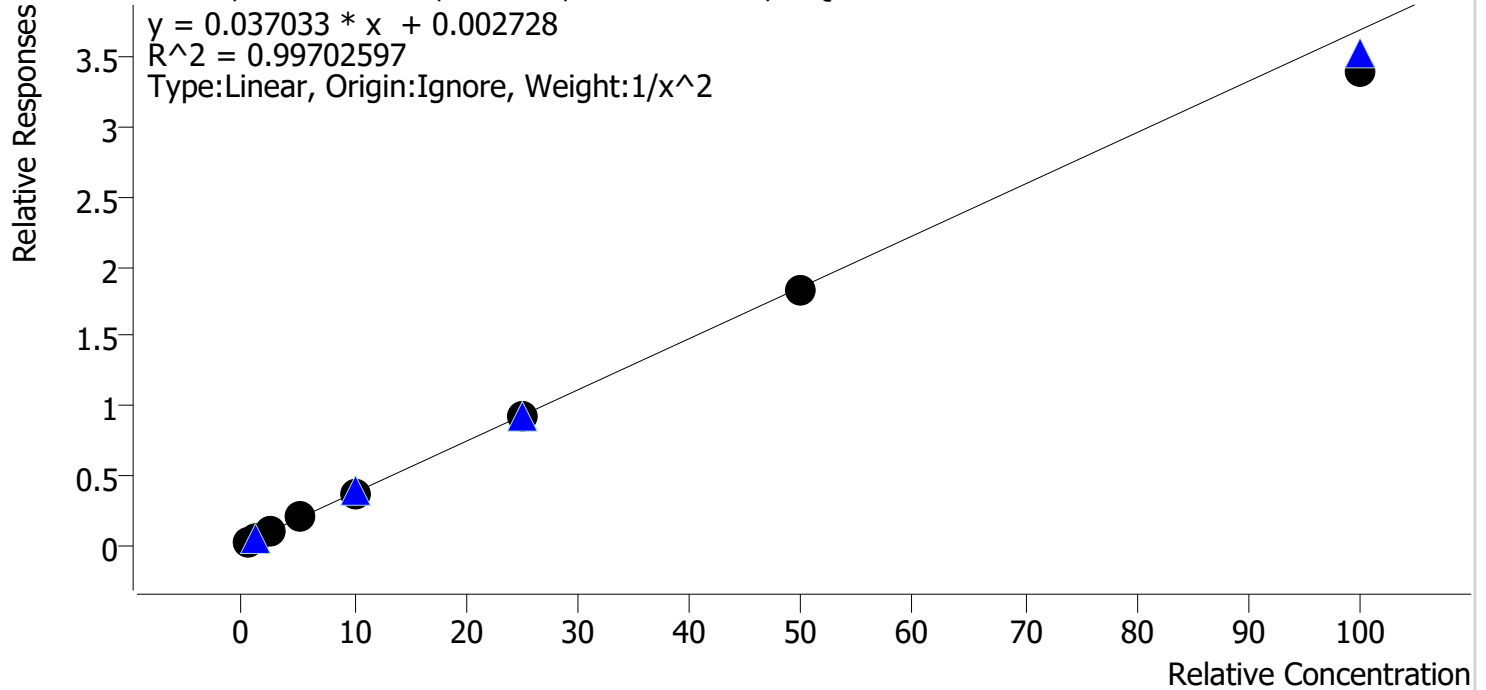


# Compound Calibration Report



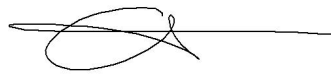
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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

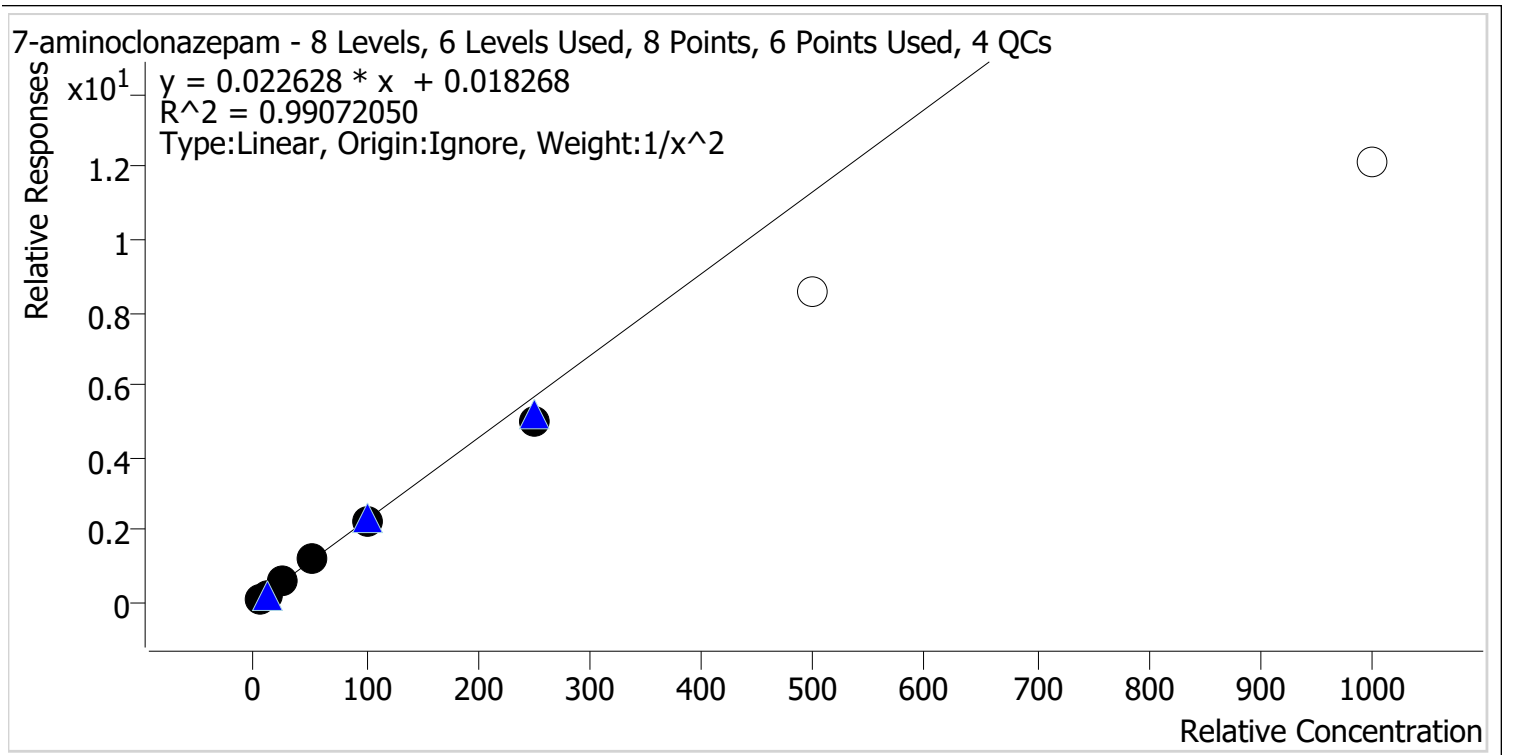


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.2
cal 2 mdq	2	✓	1.0	1.0	99.9
cal 3 mdq	3	✓	2.5	2.7	106.8
cal 4 mdq	4	✓	5.0	5.3	106.3
cal 5 mdq	5	✓	10.0	9.9	98.8
cal 6 mdq	6	✓	25.0	24.8	99.3
cal 7 mdq	7	✓	50.0	49.3	98.5
cal 8 mdq	8	✓	100.0	92.1	92.1

# Compound Calibration Report



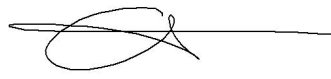
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.2
cal 2 mdq	2	✓	10.0	10.6	105.9
cal 3 mdq	3	✓	25.0	27.3	109.3
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	219.1	87.7
cal 7 mdq	7	✗	500.0	375.9	75.2
cal 8 mdq	8	✗	1000.0	537.4	53.7

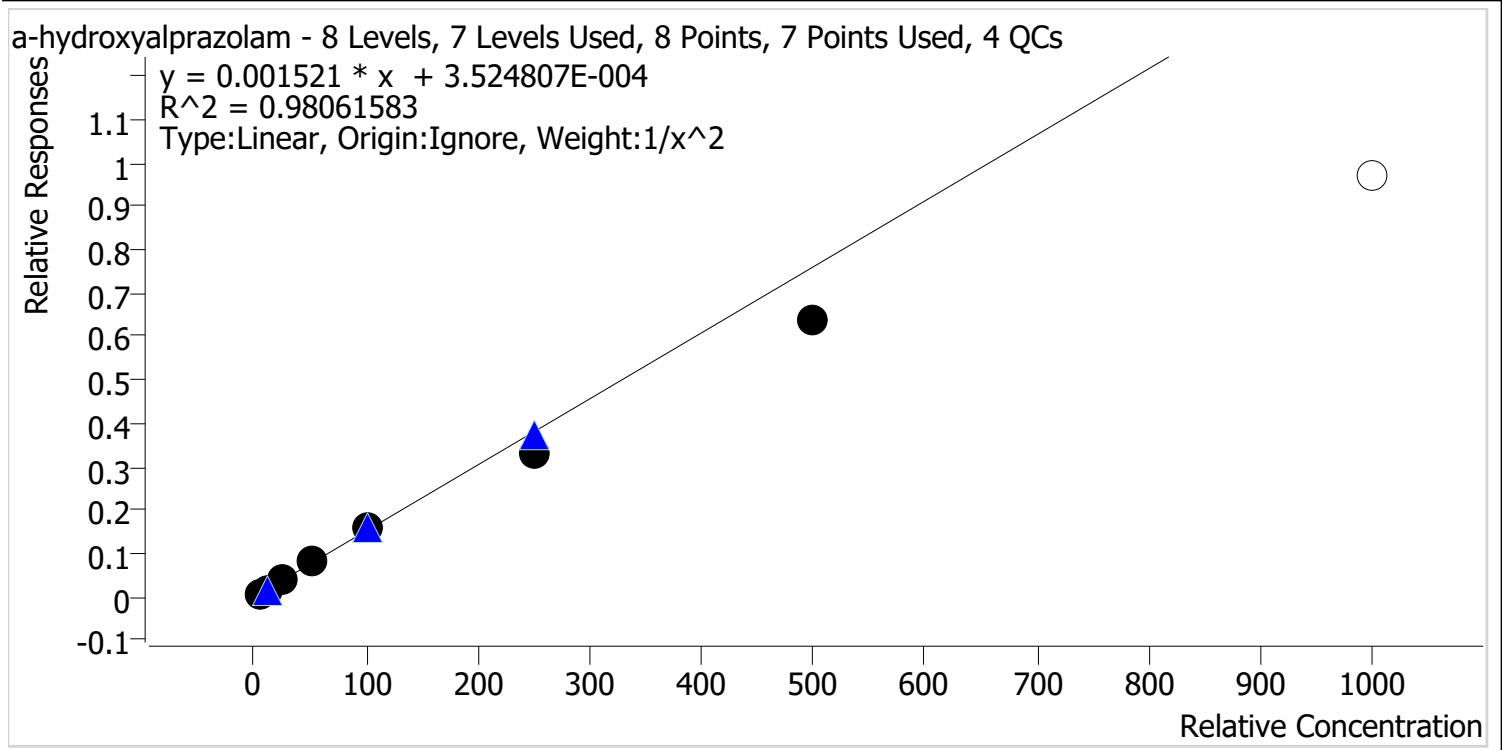
dropped cal 7 and 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam

**Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	28.4	113.6
cal 4 mdq	4	✓	50.0	56.9	113.8
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	217.5	87.0
cal 7 mdq	7	✓	500.0	420.2	84.0
cal 8 mdq	8	✗	1000.0	636.0	63.6

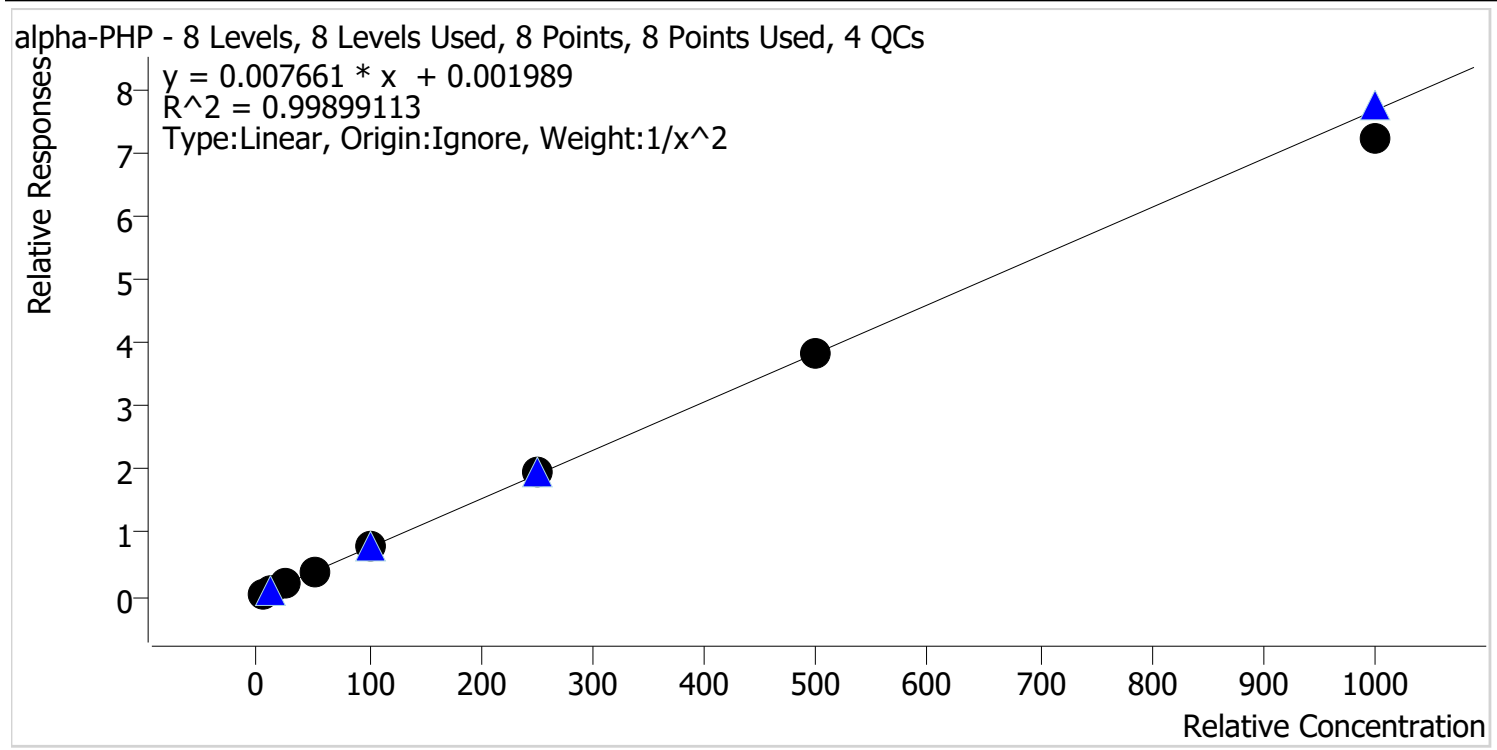
dropped cal 8 due to accuracy



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

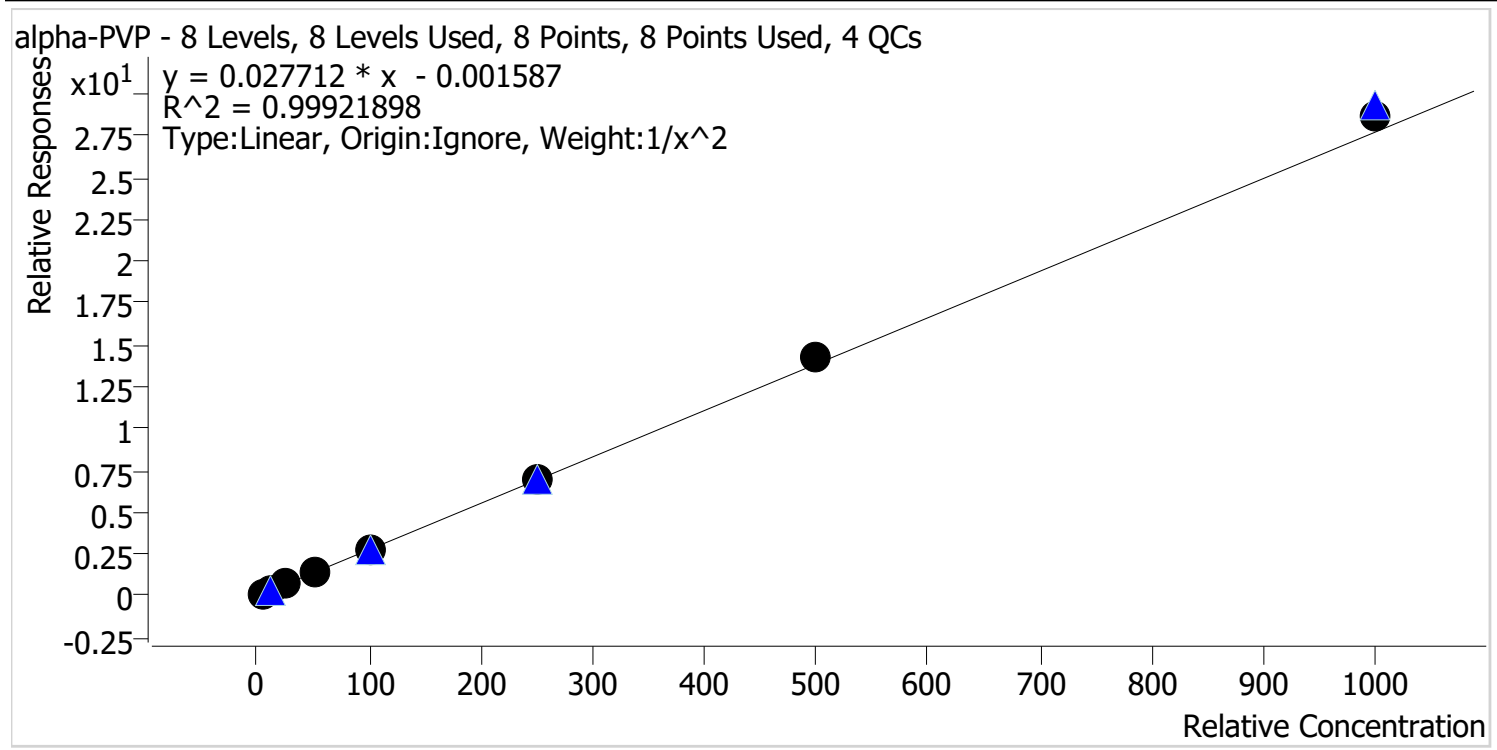


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	939.4	93.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

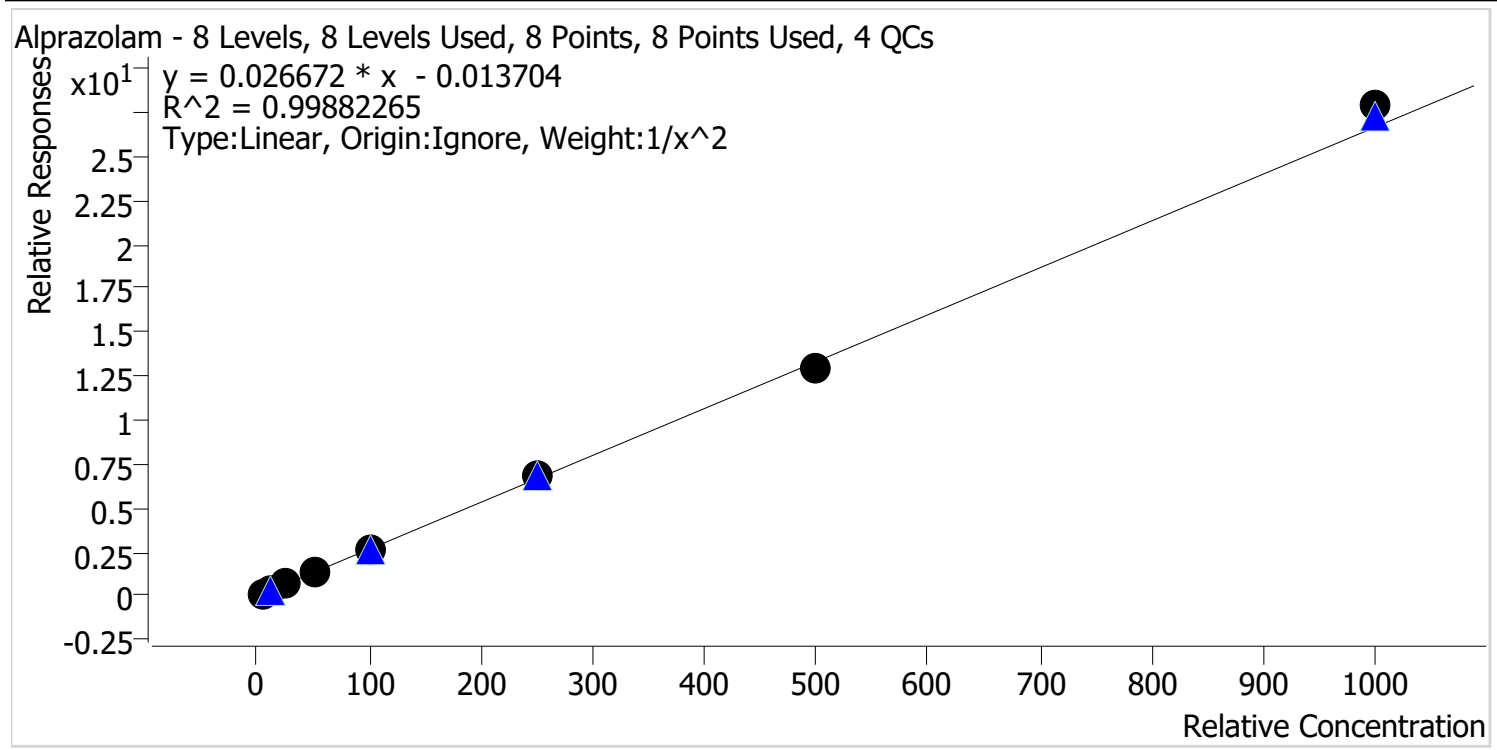


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	251.4	100.5
cal 7 mdq	7	✓	500.0	512.3	102.5
cal 8 mdq	8	✓	1000.0	1035.9	103.6

# Compound Calibration Report

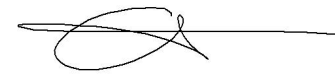


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

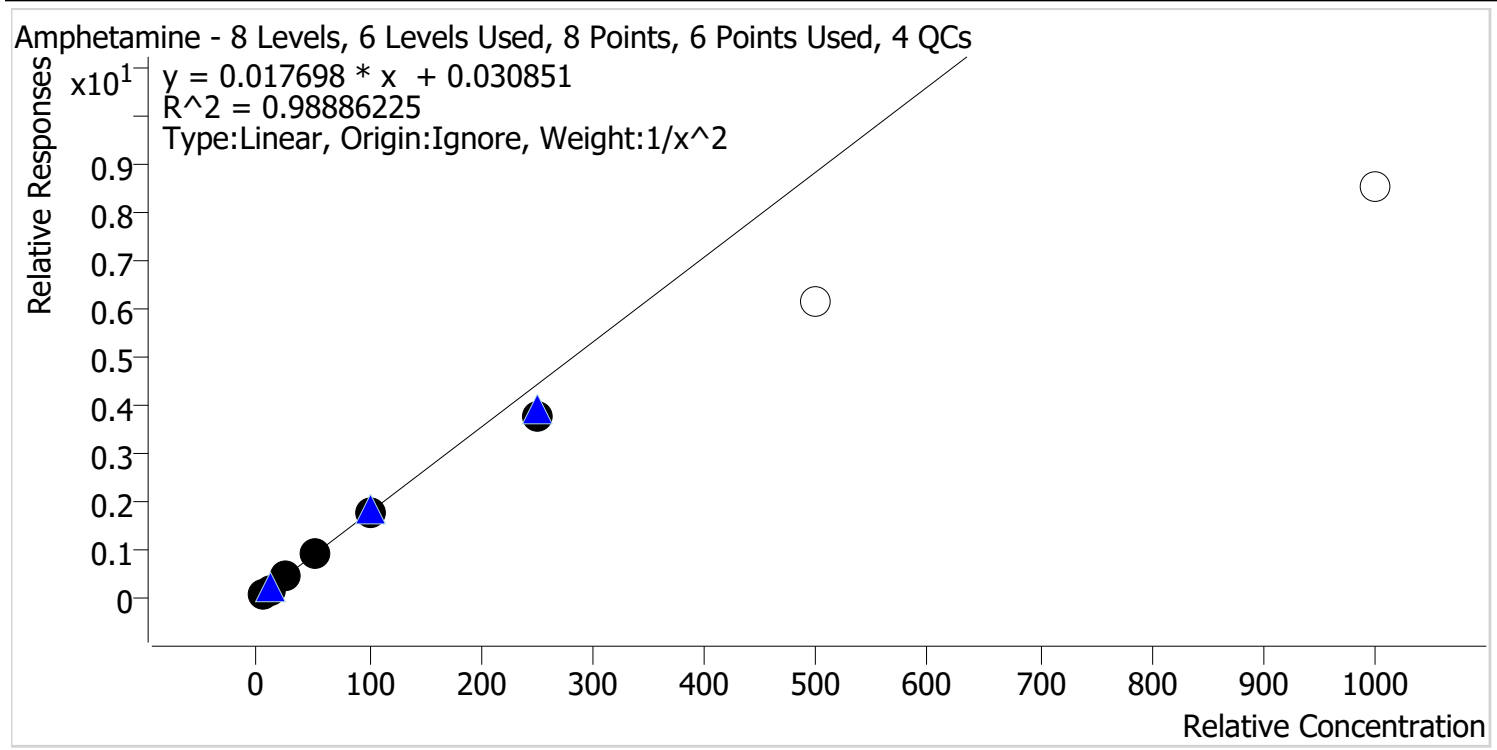


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	487.9	97.6
cal 8 mdq	8	✓	1000.0	1046.0	104.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.3
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	27.4	109.5
cal 4 mdq	4	✓	50.0	53.4	106.7
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	213.4	85.4
cal 7 mdq	7	✗	500.0	349.6	69.9
cal 8 mdq	8	✗	1000.0	483.1	48.3

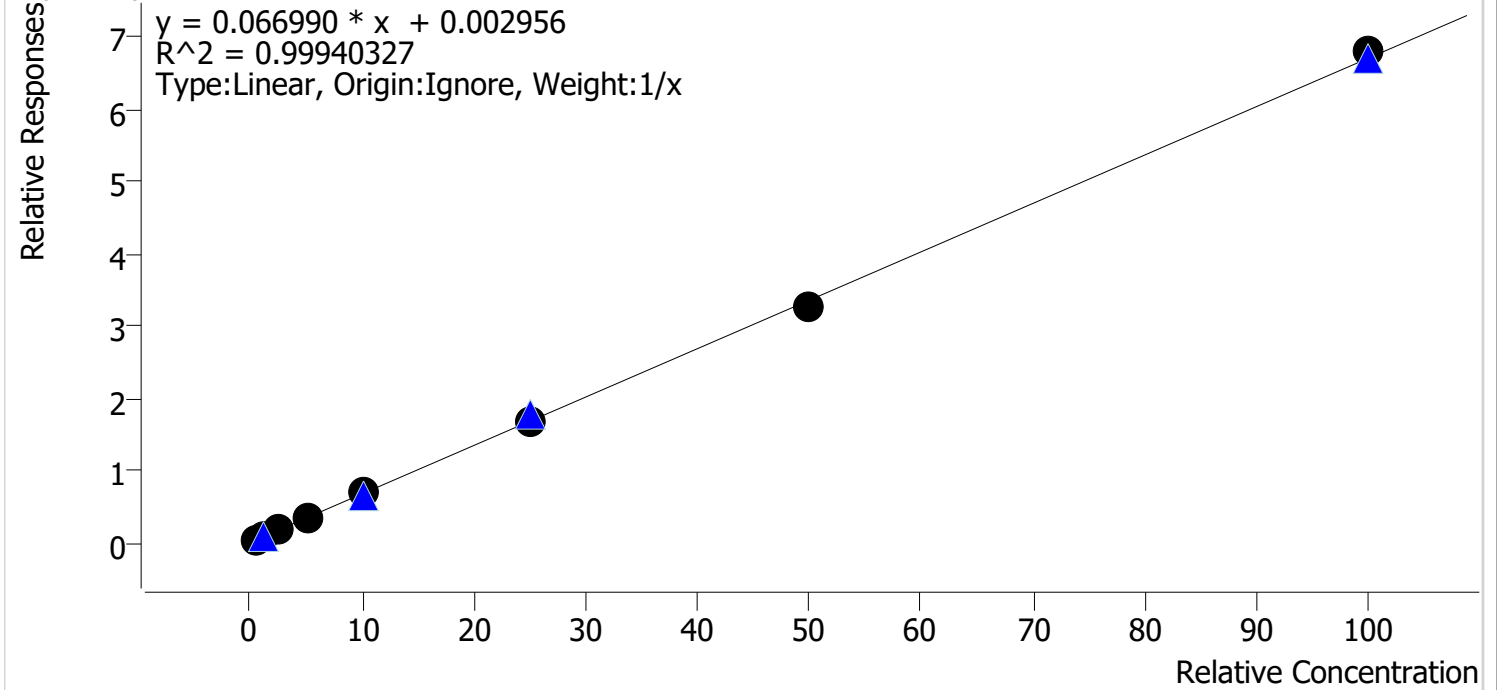
dropped cal 7 and cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



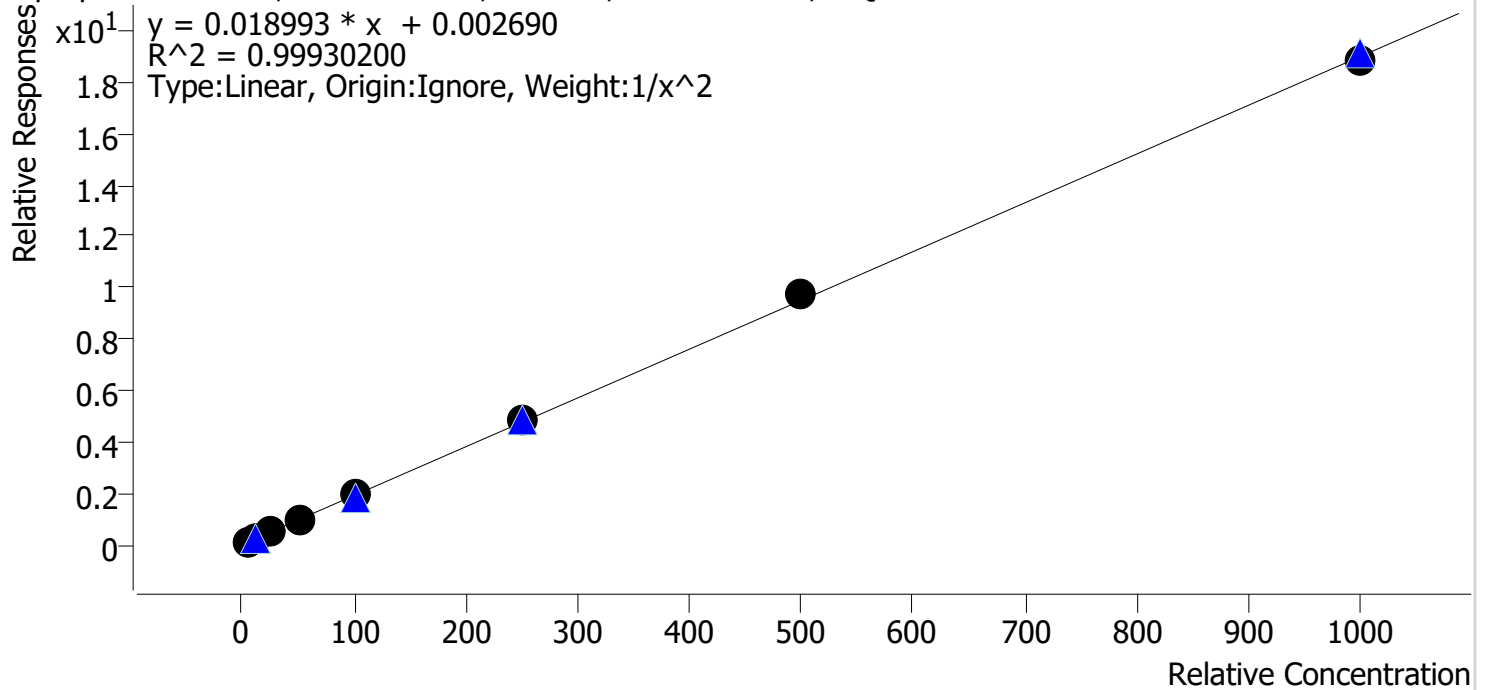
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.4
cal 2 mdq	2	✓	1.0	1.0	97.3
cal 3 mdq	3	✓	2.5	2.3	93.5
cal 4 mdq	4	✓	5.0	5.3	105.8
cal 5 mdq	5	✓	10.0	10.2	102.5
cal 6 mdq	6	✓	25.0	24.9	99.5
cal 7 mdq	7	✓	50.0	48.4	96.8
cal 8 mdq	8	✓	100.0	101.4	101.4

# Compound Calibration Report



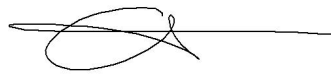
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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



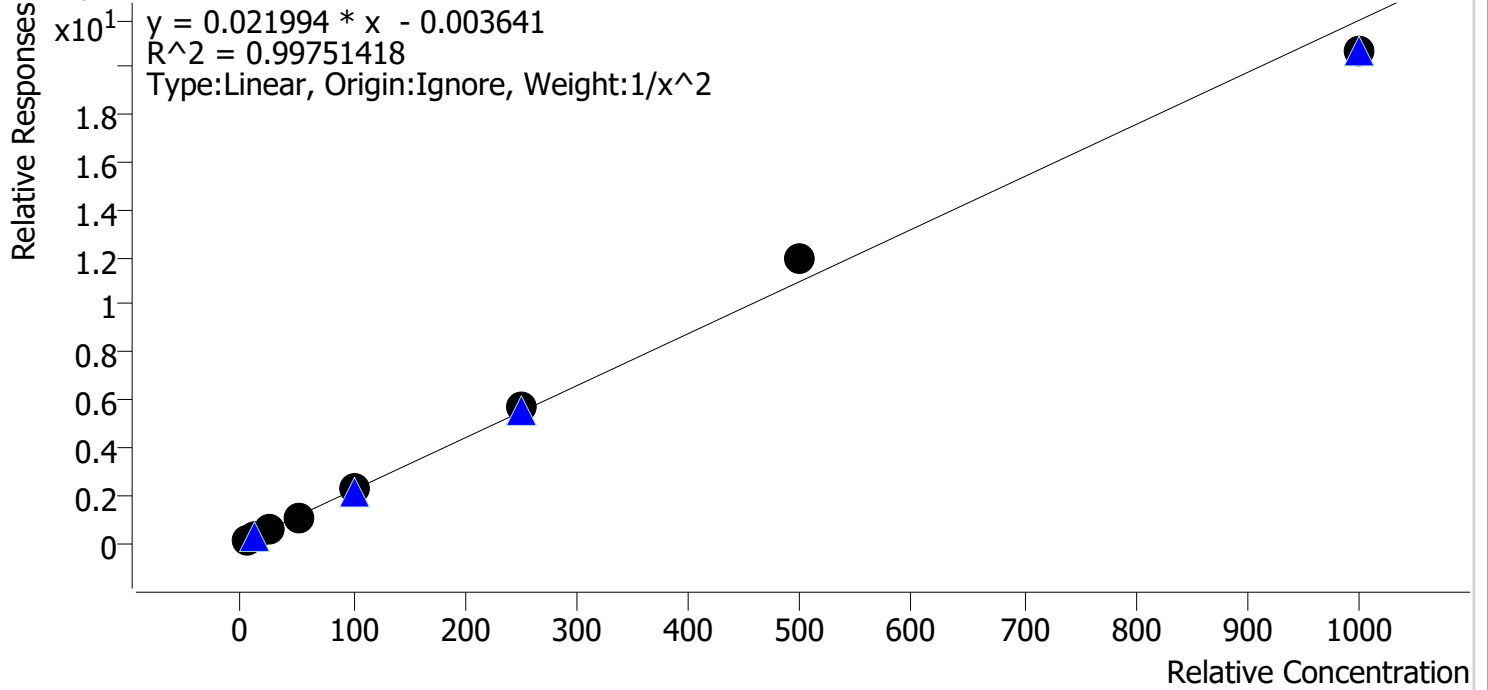
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.7	96.9
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	513.0	102.6
cal 8 mdq	8	✓	1000.0	995.6	99.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



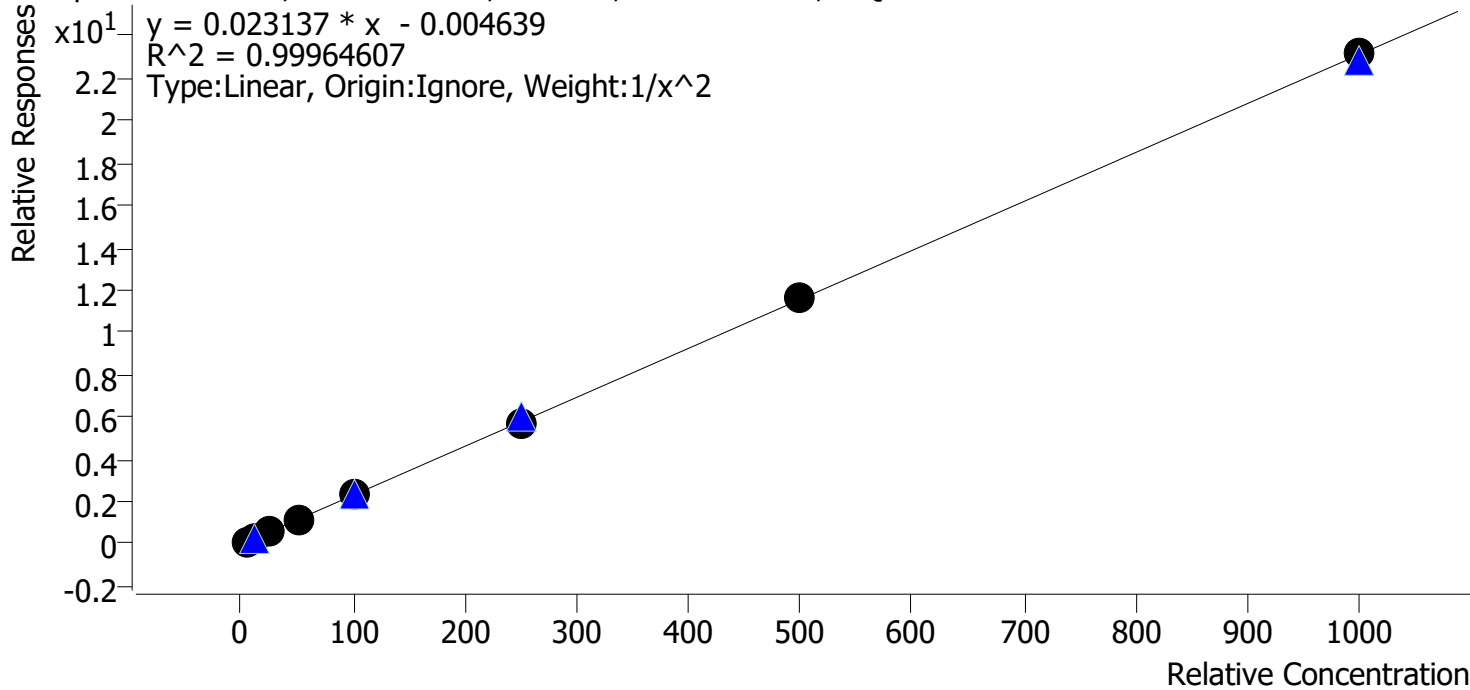
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	48.7	97.3
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	256.9	102.8
cal 7 mdq	7	✓	500.0	541.1	108.2
cal 8 mdq	8	✓	1000.0	940.0	94.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**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
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	505.8	101.2
cal 8 mdq	8	✓	1000.0	1002.1	100.2



# Compound Calibration Report

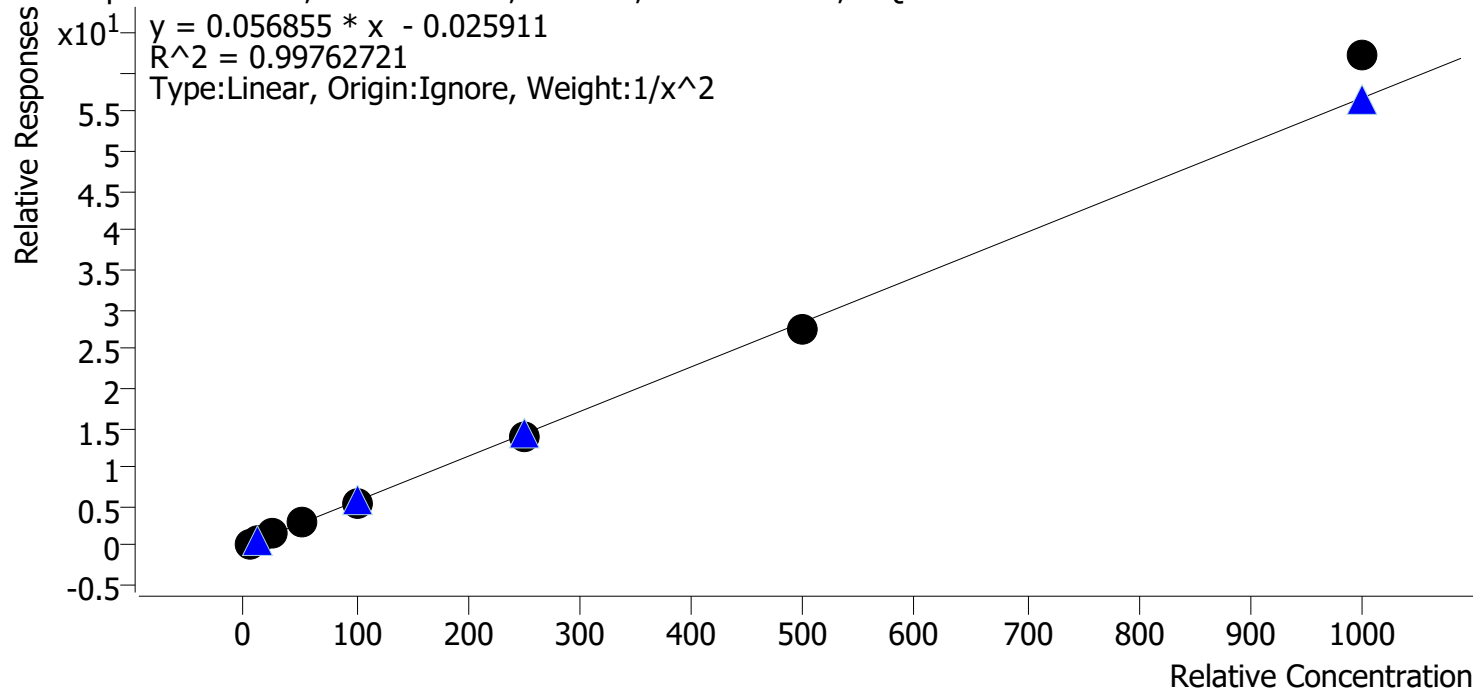


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam

**Internal Standard**

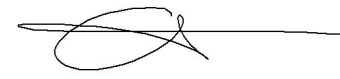
Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdq	6	✓	250.0	245.4	98.2
cal 7 mdq	7	✓	500.0	486.9	97.4
cal 8 mdq	8	✓	1000.0	1094.4	109.4

# Compound Calibration Report

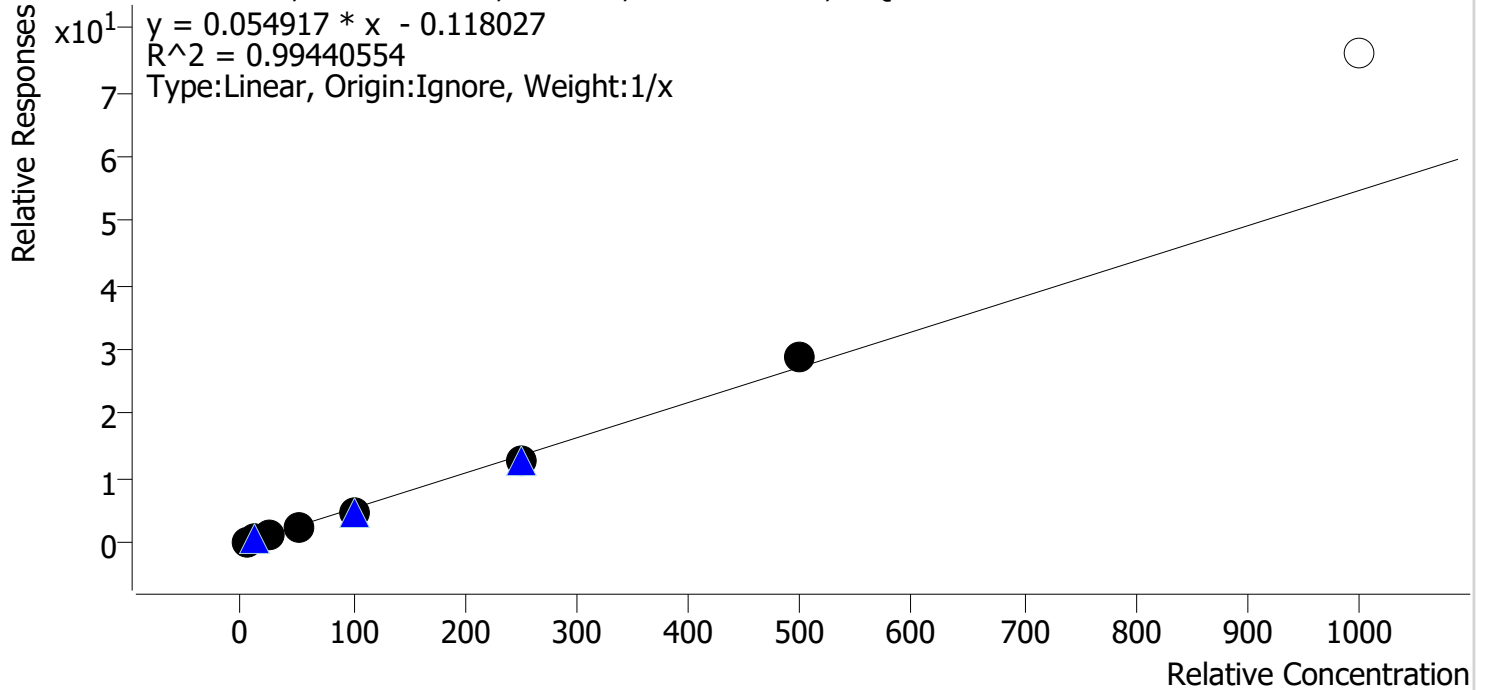


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam

**Internal Standard**

Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	116.9
cal 2 mdq	2	✓	10.0	10.9	109.1
cal 3 mdq	3	✓	25.0	23.7	94.6
cal 4 mdq	4	✓	50.0	45.6	91.2
cal 5 mdq	5	✓	100.0	87.3	87.3
cal 6 mdq	6	✓	250.0	237.9	95.2
cal 7 mdq	7	✓	500.0	528.8	105.8
cal 8 mdq	8	✗	1000.0	1387.5	138.8

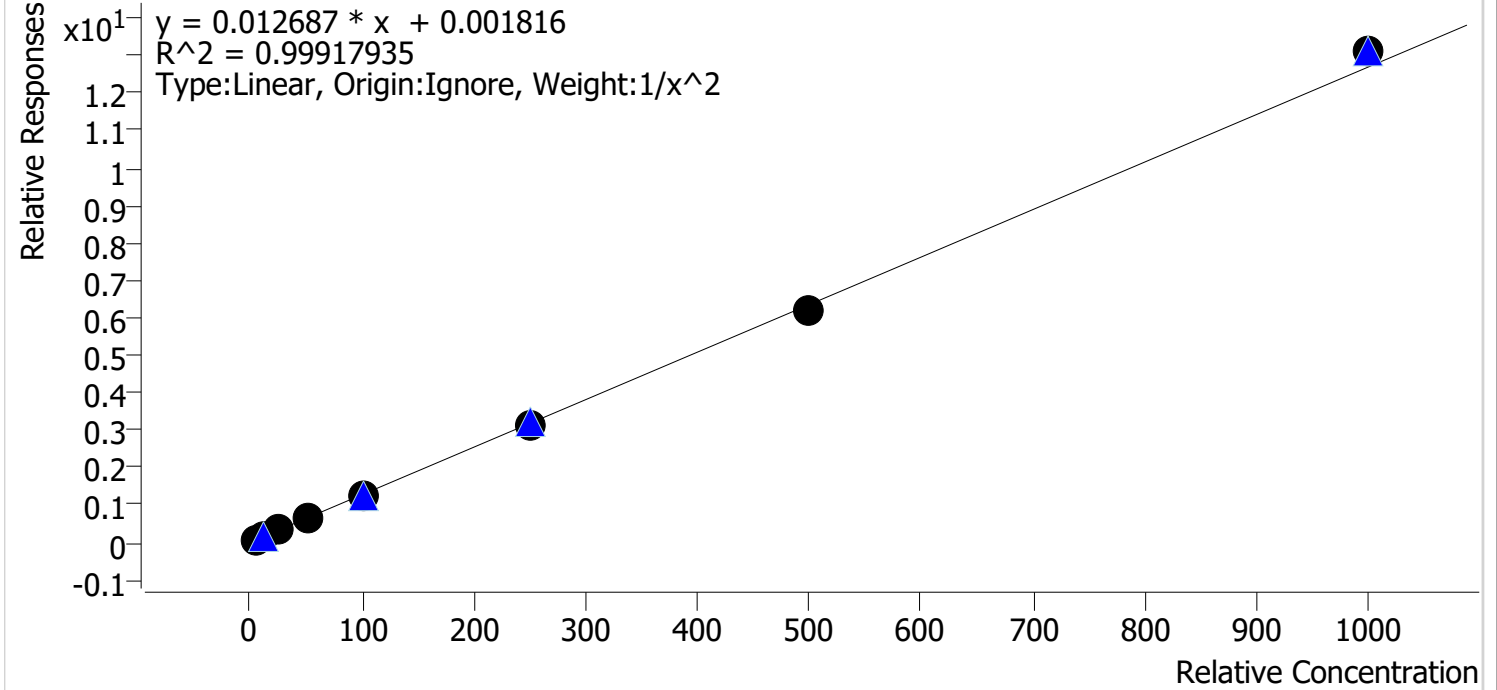
dropped cal 8 due to accuracy

# Compound Calibration Report



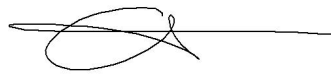
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



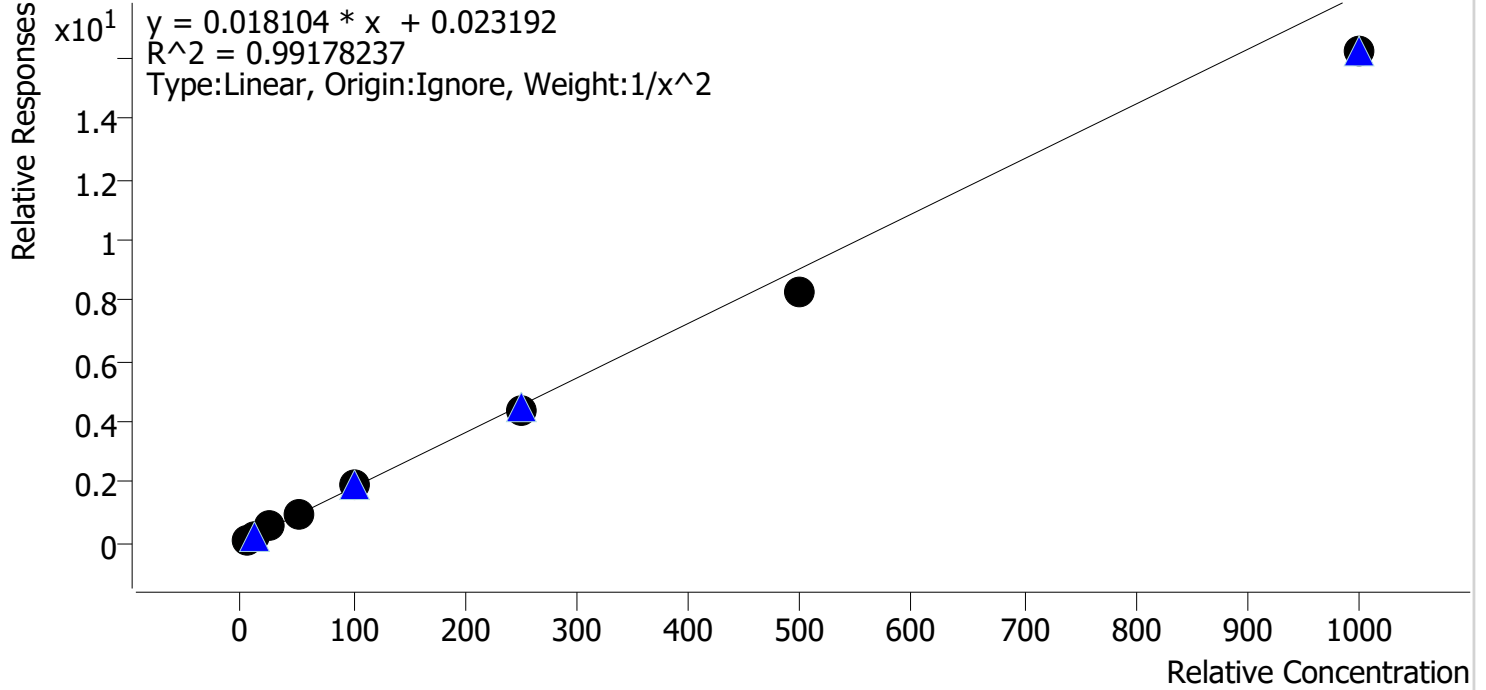
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	1032.6	103.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



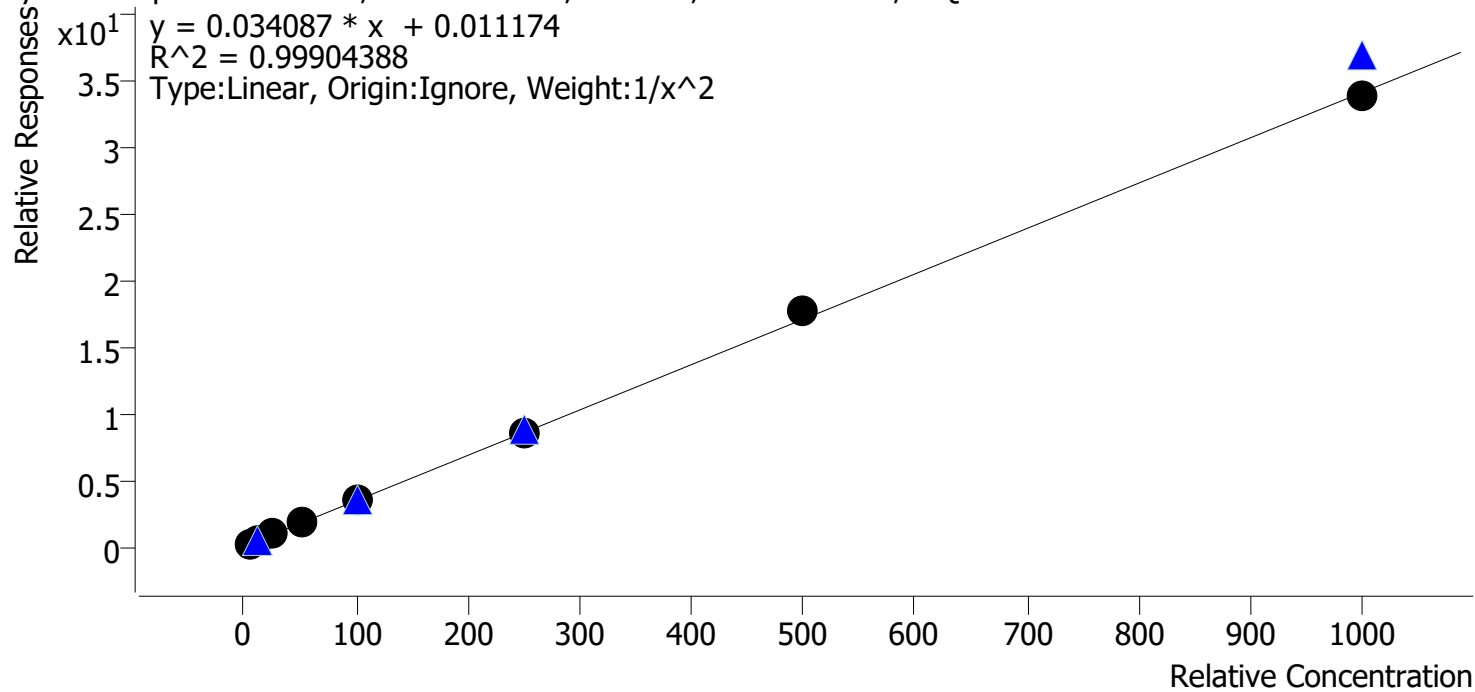
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	10.4	104.4
cal 3 mdq	3	✓	25.0	27.6	110.3
cal 4 mdq	4	✓	50.0	54.2	108.4
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	241.0	96.4
cal 7 mdq	7	✓	500.0	458.0	91.6
cal 8 mdq	8	✓	1000.0	894.6	89.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.7
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	514.7	102.9
cal 8 mdq	8	✓	1000.0	991.5	99.1

# Compound Calibration Report

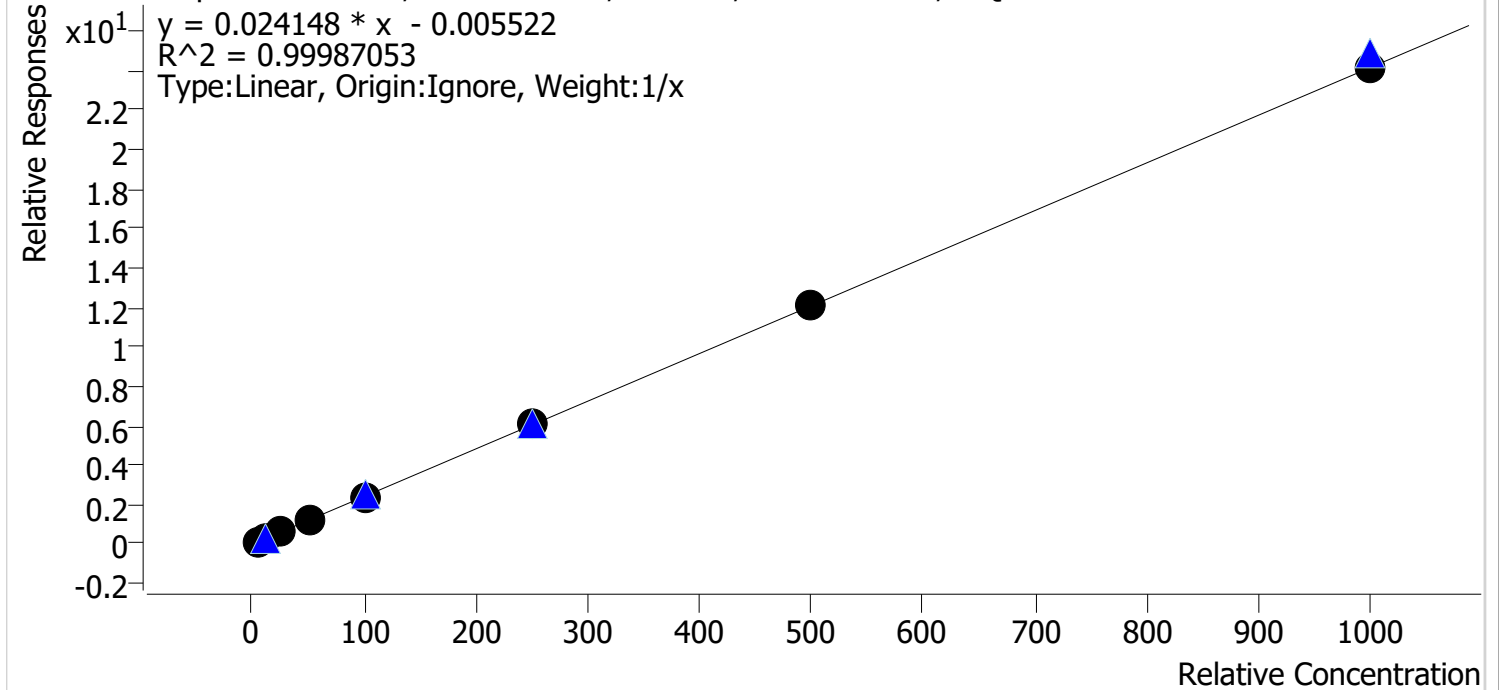


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan

**Internal Standard**

Dextromethorphan-D3

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



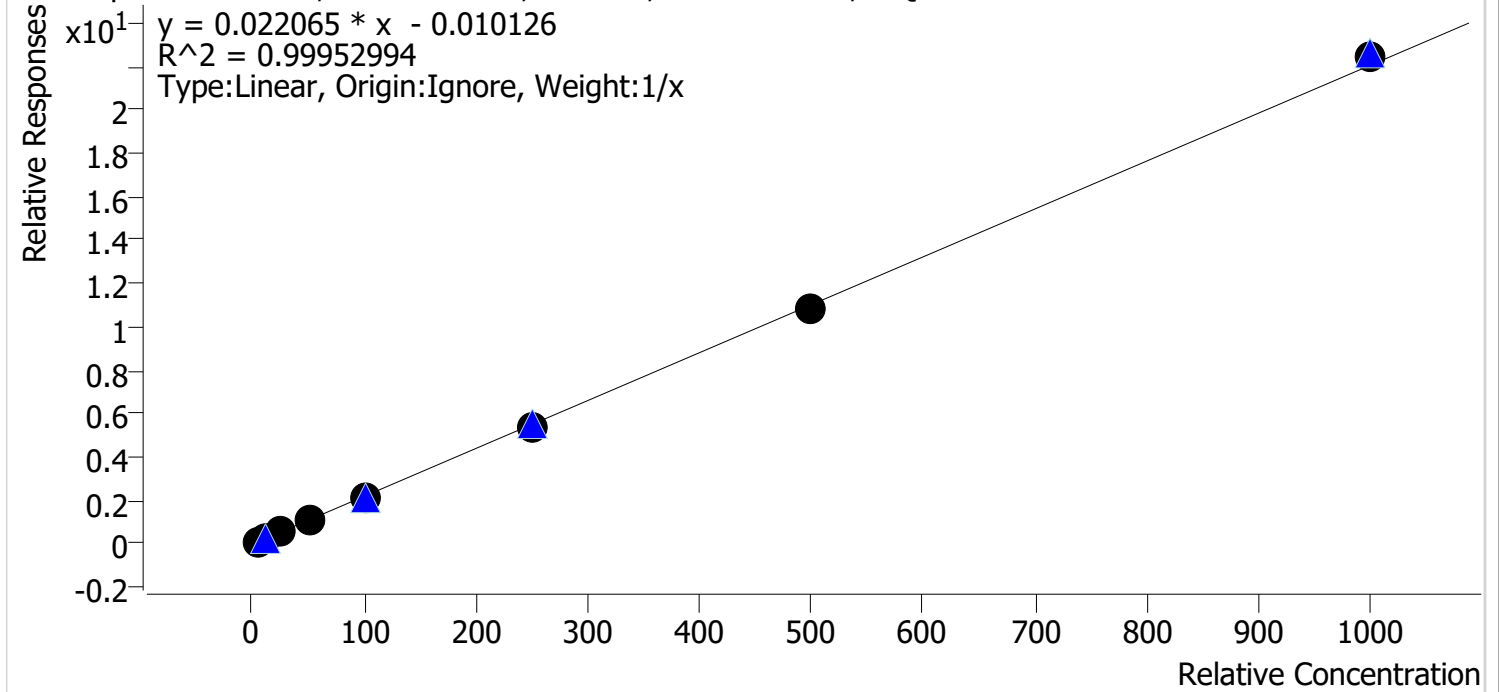
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	1002.3	100.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



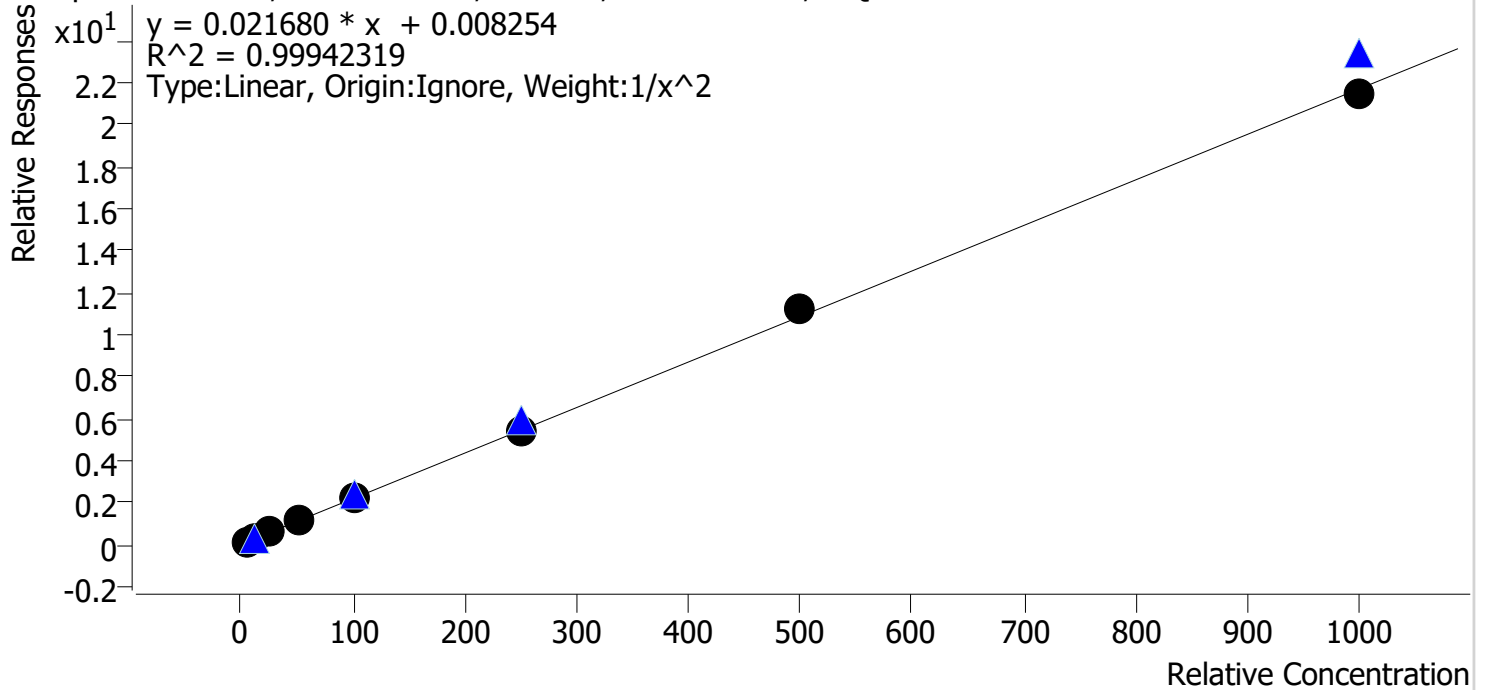
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.0
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	488.9	97.8
cal 8 mdq	8	✓	1000.0	1018.5	101.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	514.8	103.0
cal 8 mdq	8	✓	1000.0	988.2	98.8

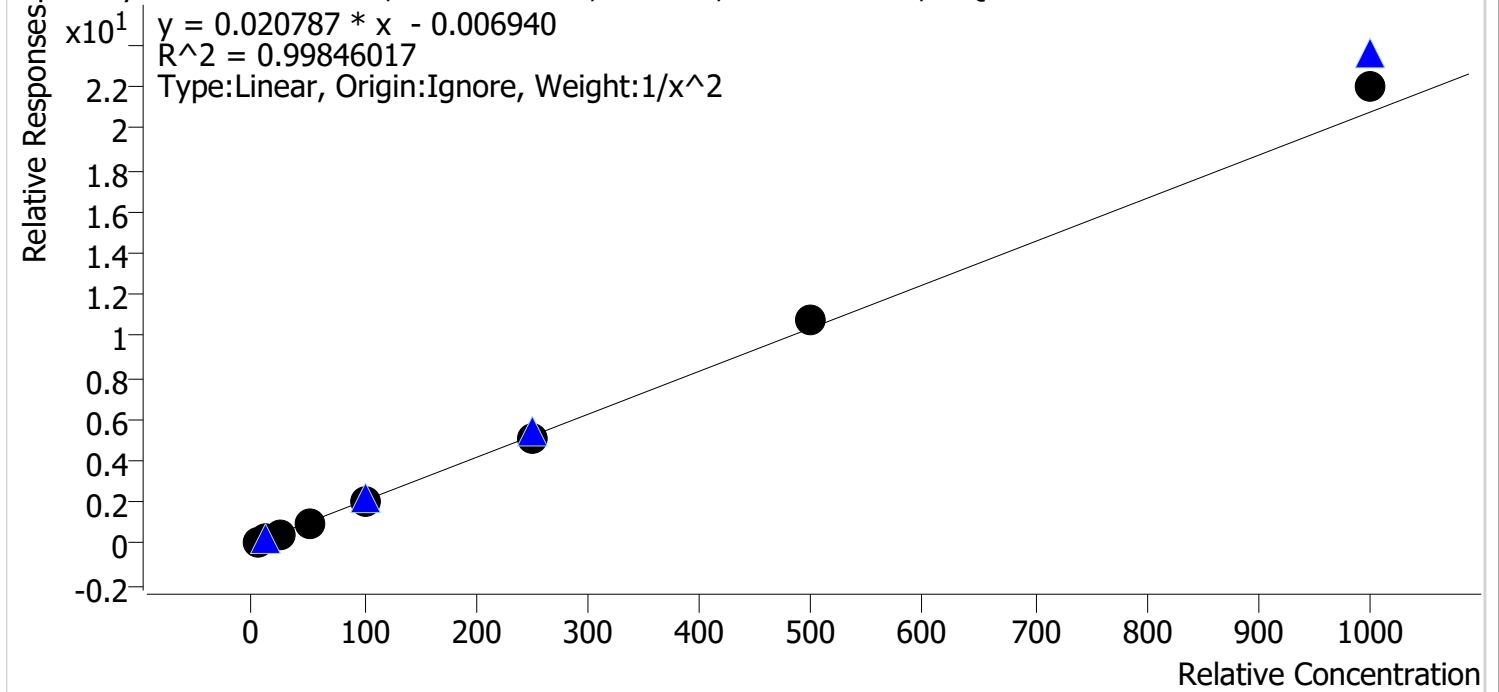


# Compound Calibration Report



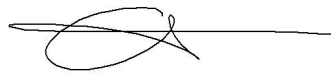
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



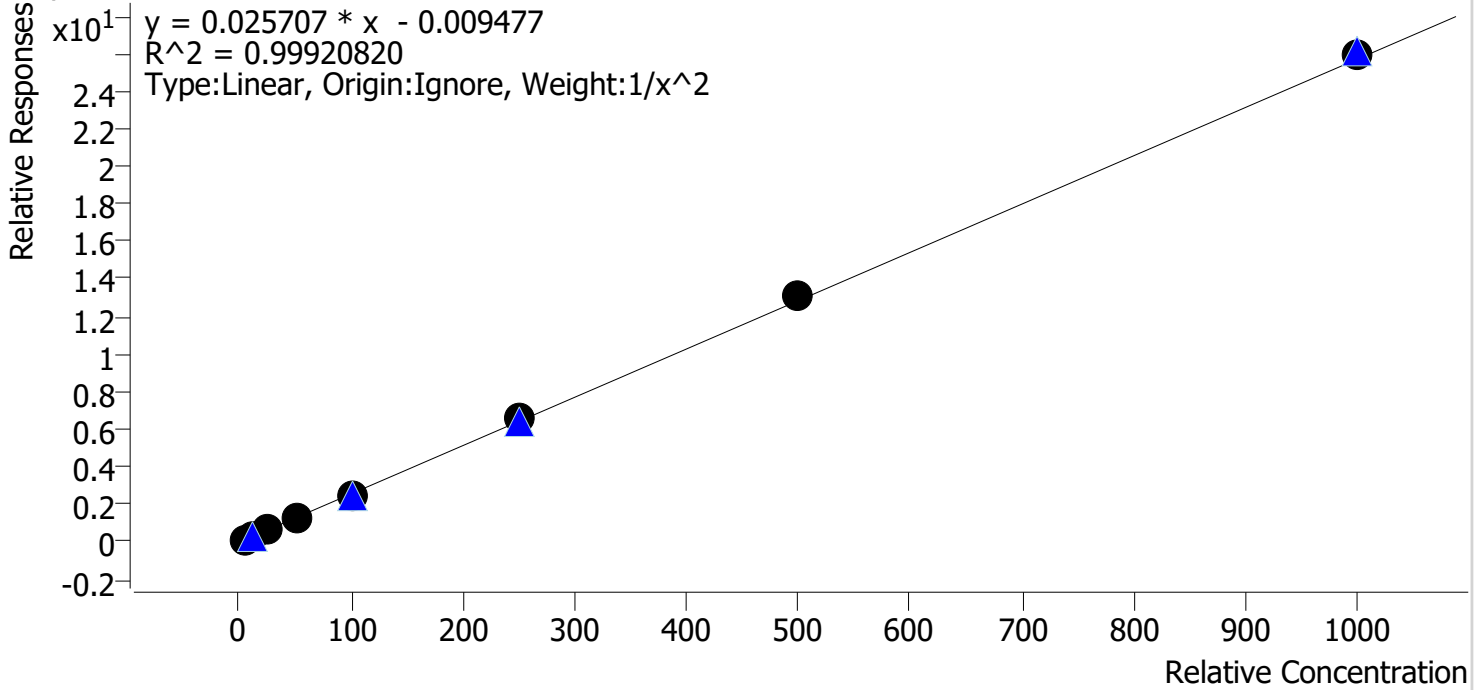
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	519.1	103.8
cal 8 mdq	8	✓	1000.0	1058.5	105.9

# Compound Calibration Report



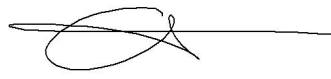
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



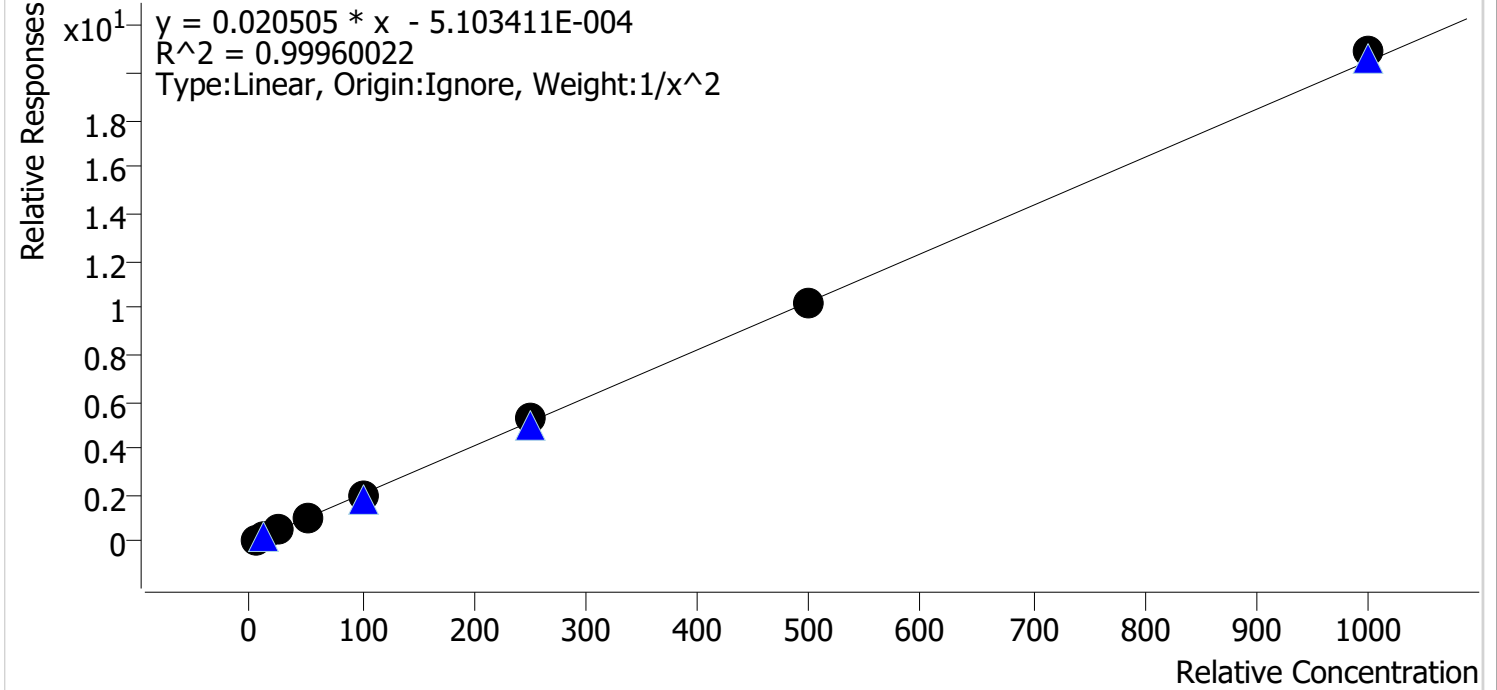
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	258.1	103.2
cal 7 mdq	7	✓	500.0	512.5	102.5
cal 8 mdq	8	✓	1000.0	1010.9	101.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



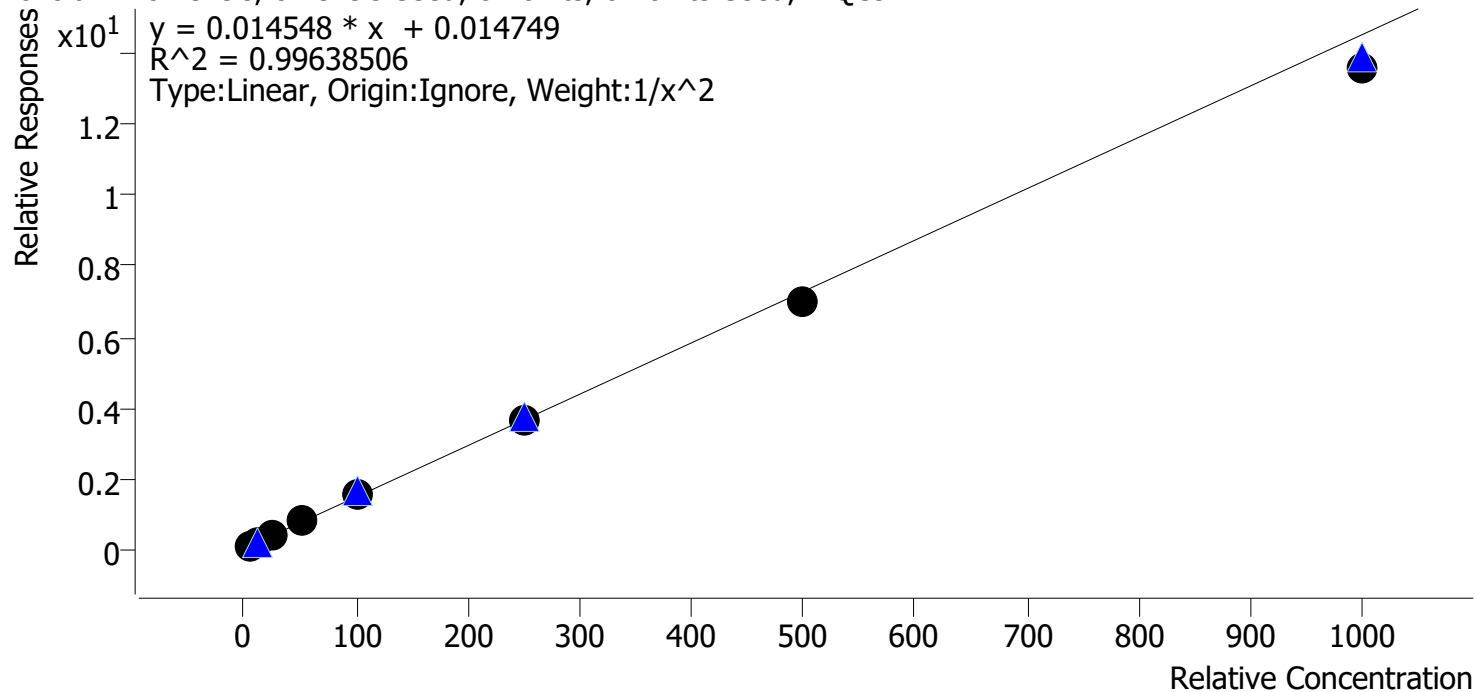
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	48.9	97.9
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	496.6	99.3
cal 8 mdq	8	✓	1000.0	1020.1	102.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Diazepam-D5

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



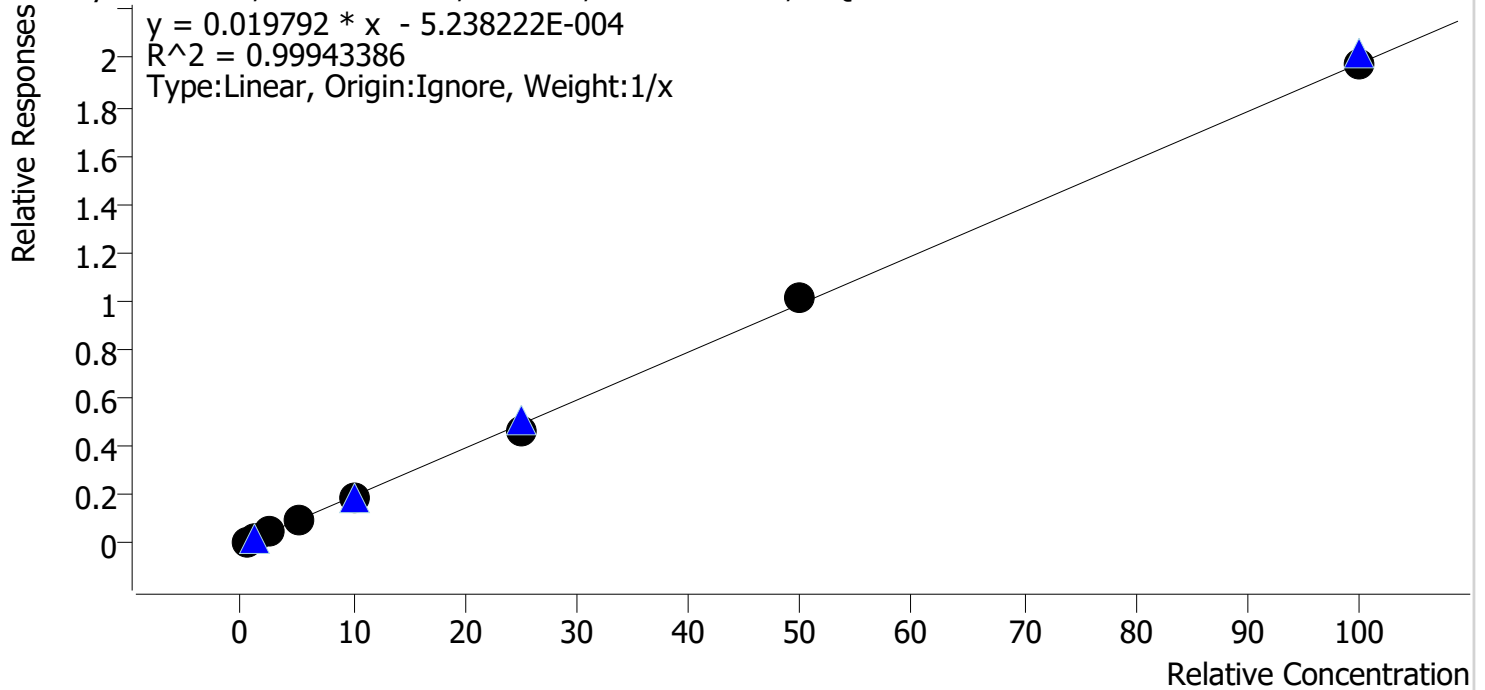
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	249.1	99.7
cal 7 mdq	7	✓	500.0	480.8	96.2
cal 8 mdq	8	✓	1000.0	931.7	93.2

# Compound Calibration Report



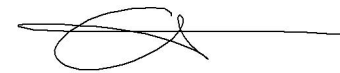
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



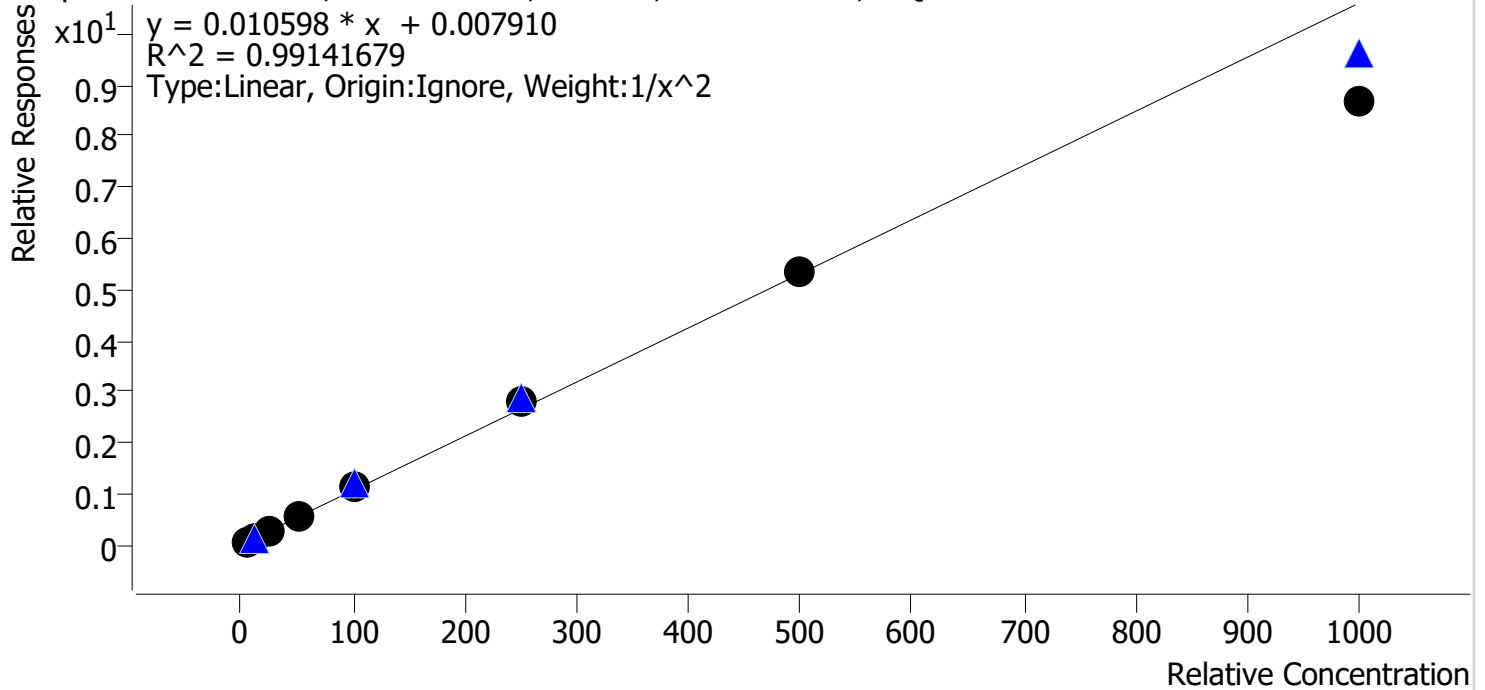
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	107.9
cal 2 mdq	2	✓	1.0	1.0	101.6
cal 3 mdq	3	✓	2.5	2.4	97.5
cal 4 mdq	4	✓	5.0	4.9	98.0
cal 5 mdq	5	✓	10.0	9.6	96.5
cal 6 mdq	6	✓	25.0	23.9	95.7
cal 7 mdq	7	✓	50.0	51.3	102.6
cal 8 mdq	8	✓	100.0	100.2	100.2

# Compound Calibration Report



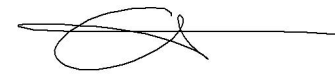
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

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

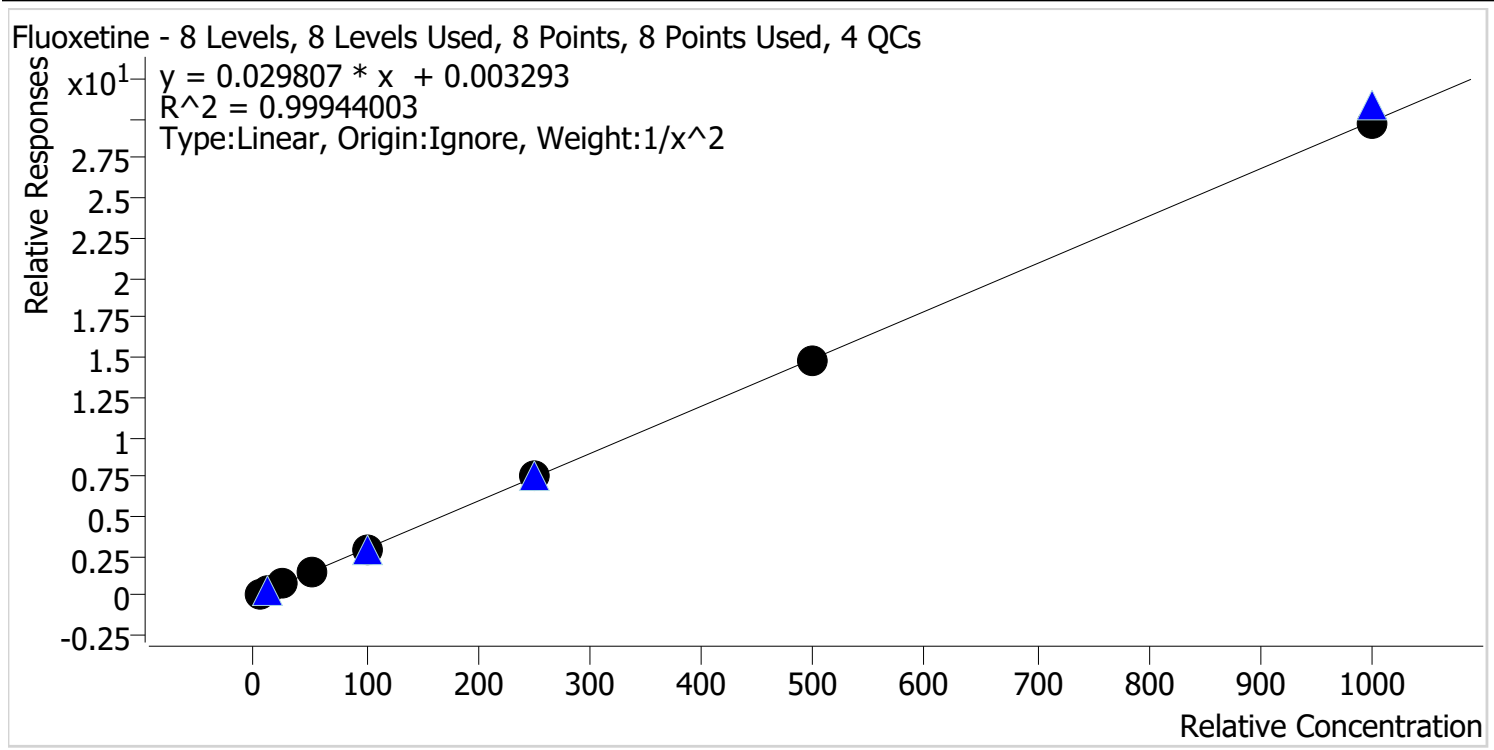


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	53.6	107.1
cal 5 mdq	5	✓	100.0	105.9	105.9
cal 6 mdq	6	✓	250.0	266.9	106.8
cal 7 mdq	7	✓	500.0	505.2	101.0
cal 8 mdq	8	✓	1000.0	821.4	82.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



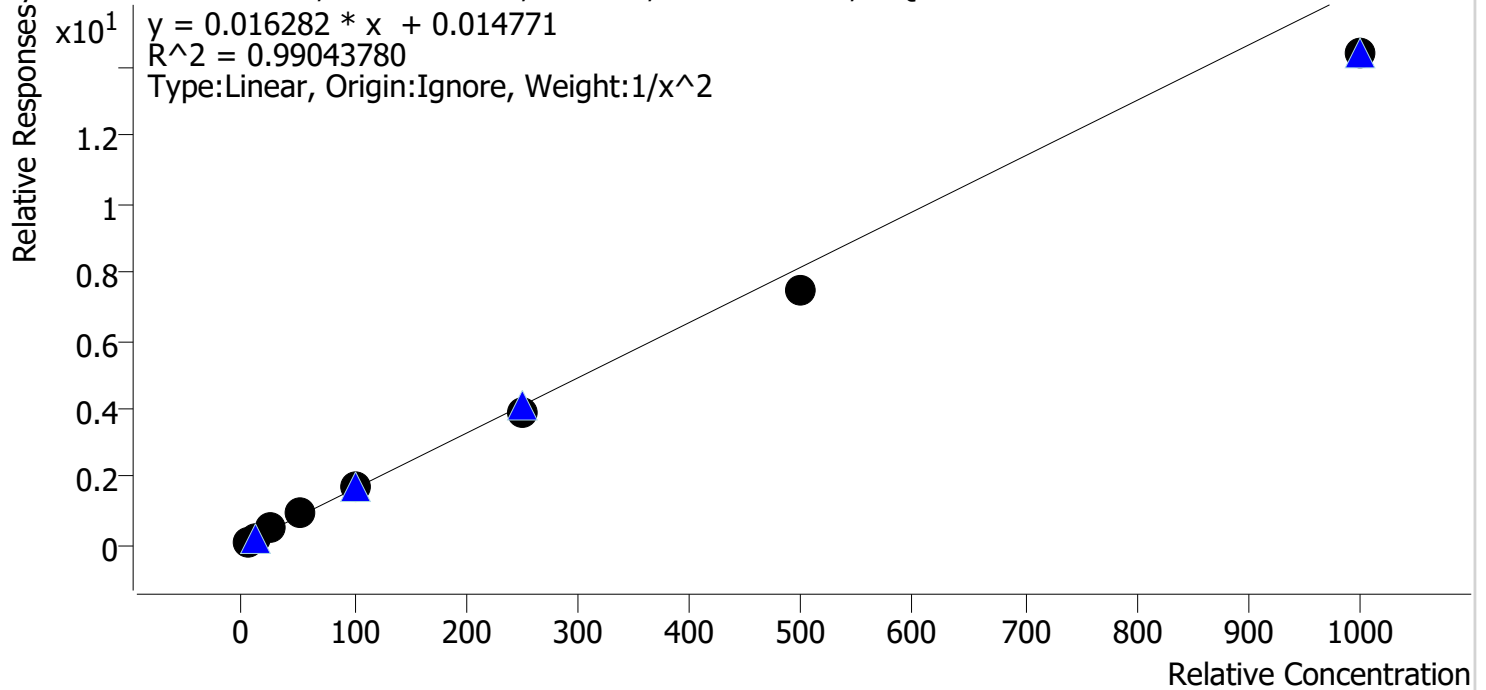
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	24.7	98.6
cal 4 mdq	4	✓	50.0	52.1	104.1
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	994.6	99.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.7	106.7
cal 3 mdq	3	✓	25.0	27.0	108.1
cal 4 mdq	4	✓	50.0	55.6	111.3
cal 5 mdq	5	✓	100.0	104.2	104.2
cal 6 mdq	6	✓	250.0	238.1	95.2
cal 7 mdq	7	✓	500.0	460.6	92.1
cal 8 mdq	8	✓	1000.0	884.7	88.5

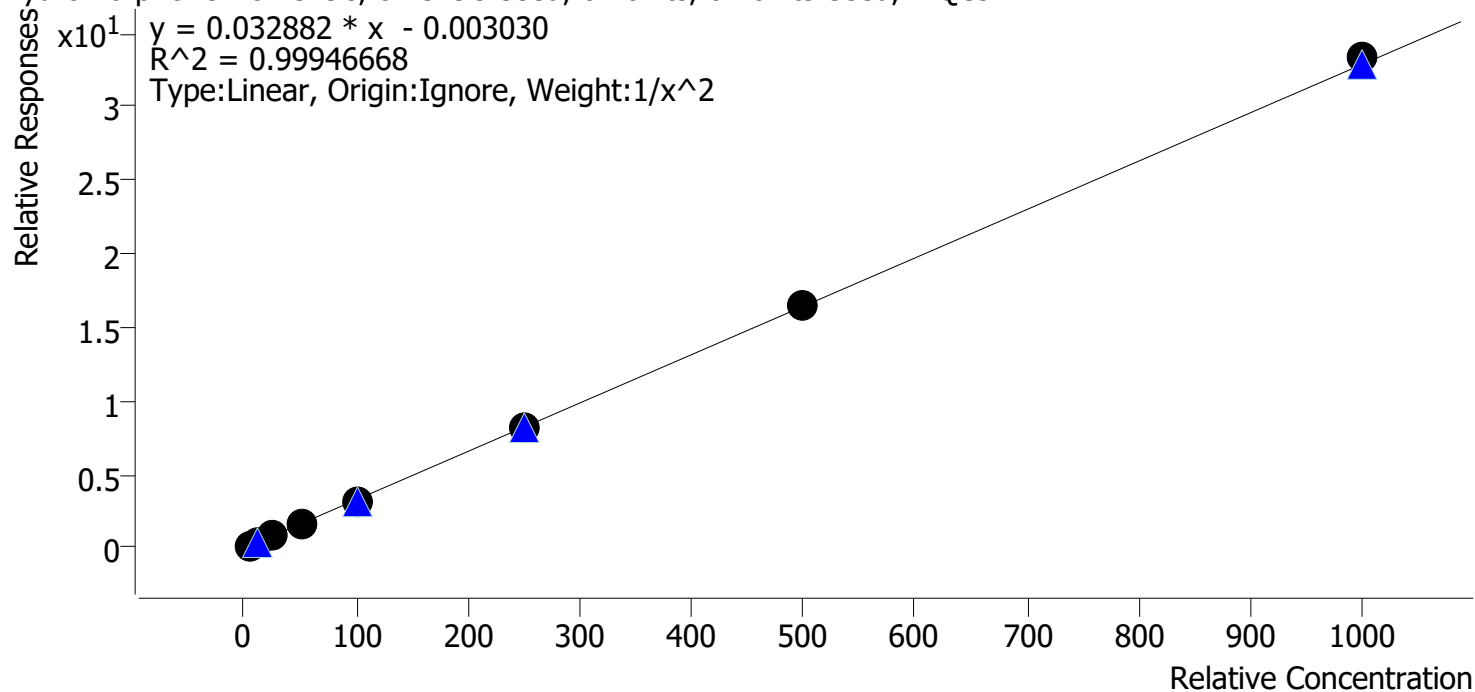


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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

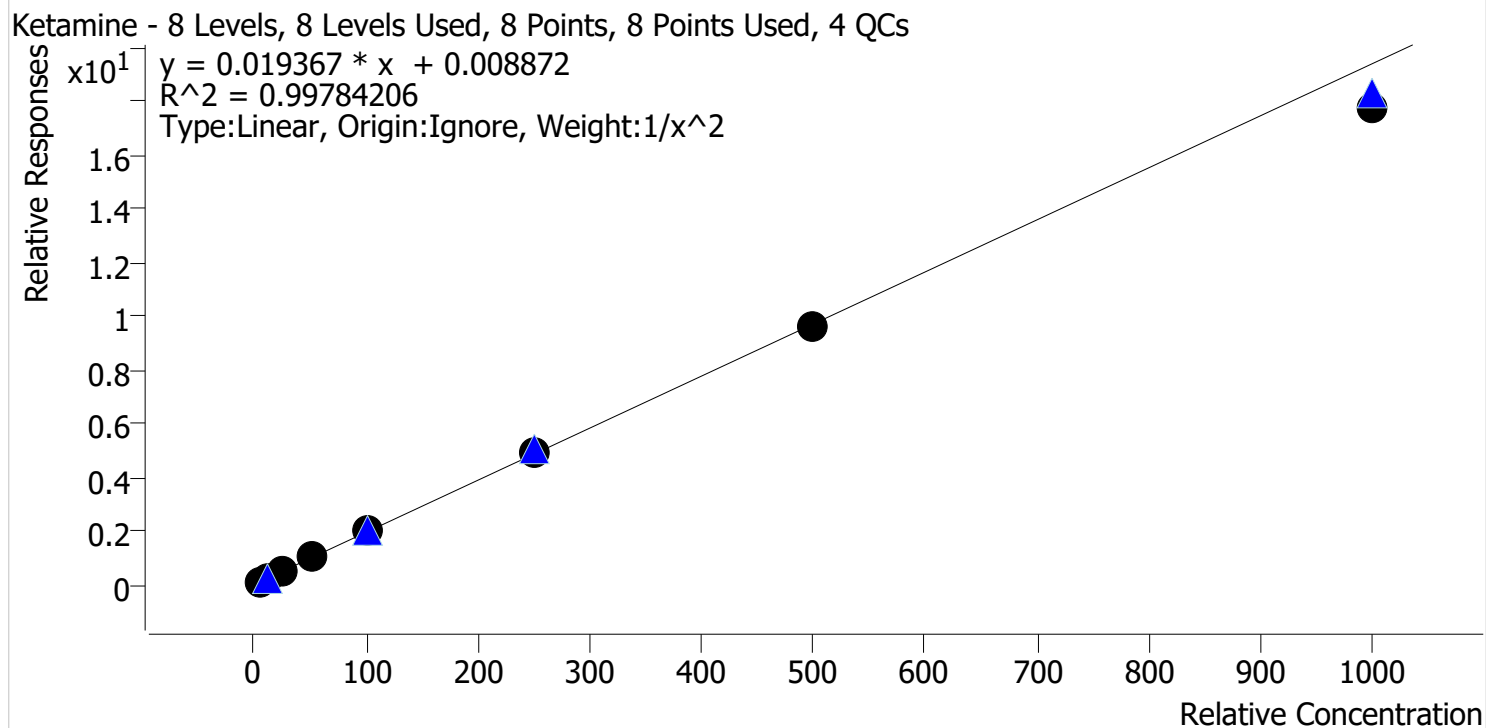


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	503.9	100.8
cal 8 mdq	8	✓	1000.0	1014.1	101.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	253.9	101.6
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	916.9	91.7

# Compound Calibration Report

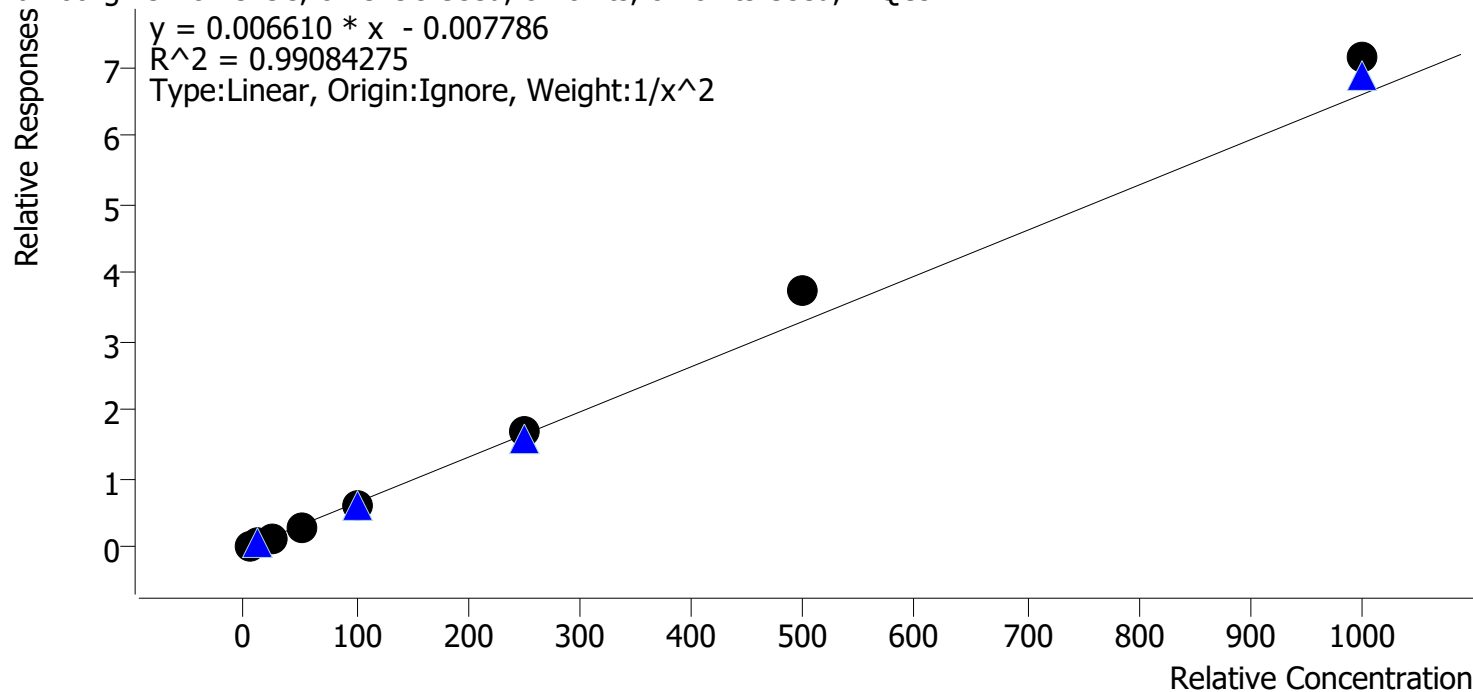


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine

**Internal Standard**

Carisoprodol-D7

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



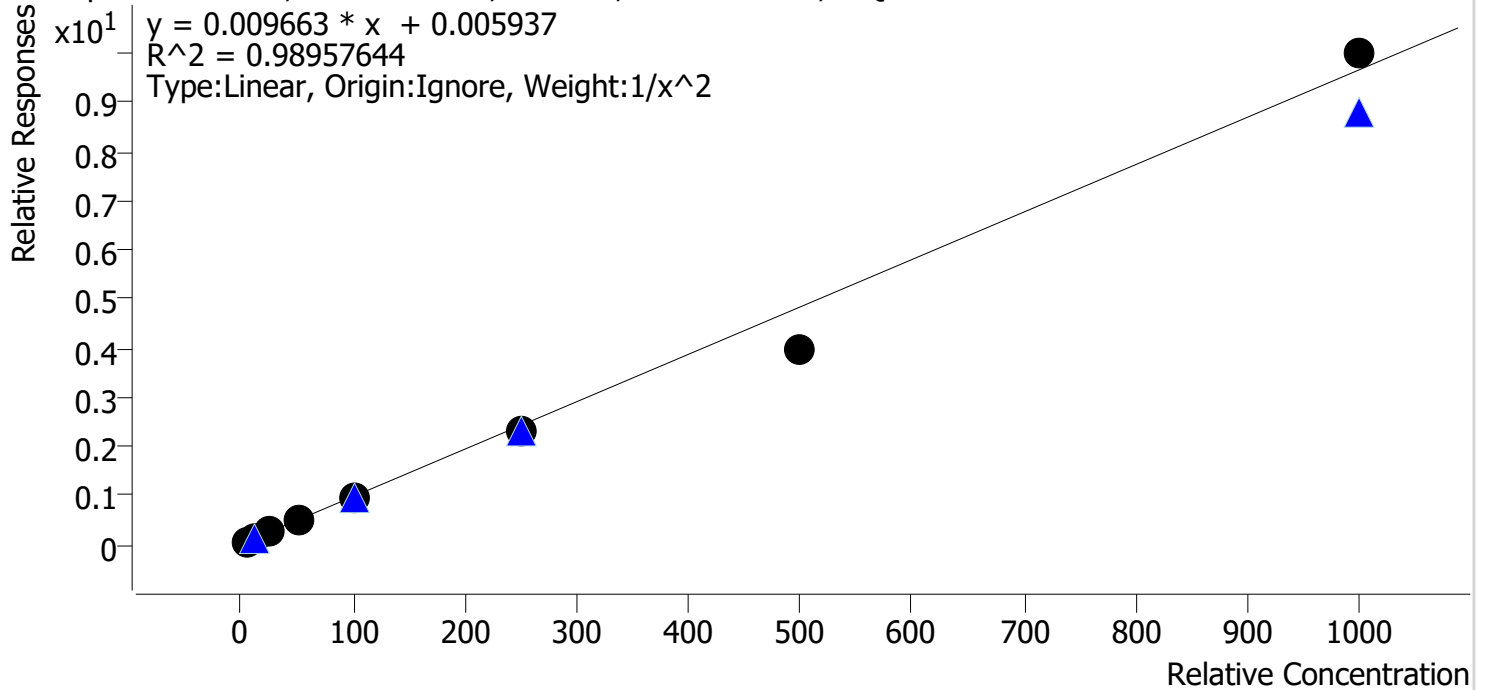
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	22.1	88.4
cal 4 mdq	4	✓	50.0	45.9	91.8
cal 5 mdq	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	564.1	112.8
cal 8 mdq	8	✓	1000.0	1081.2	108.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

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



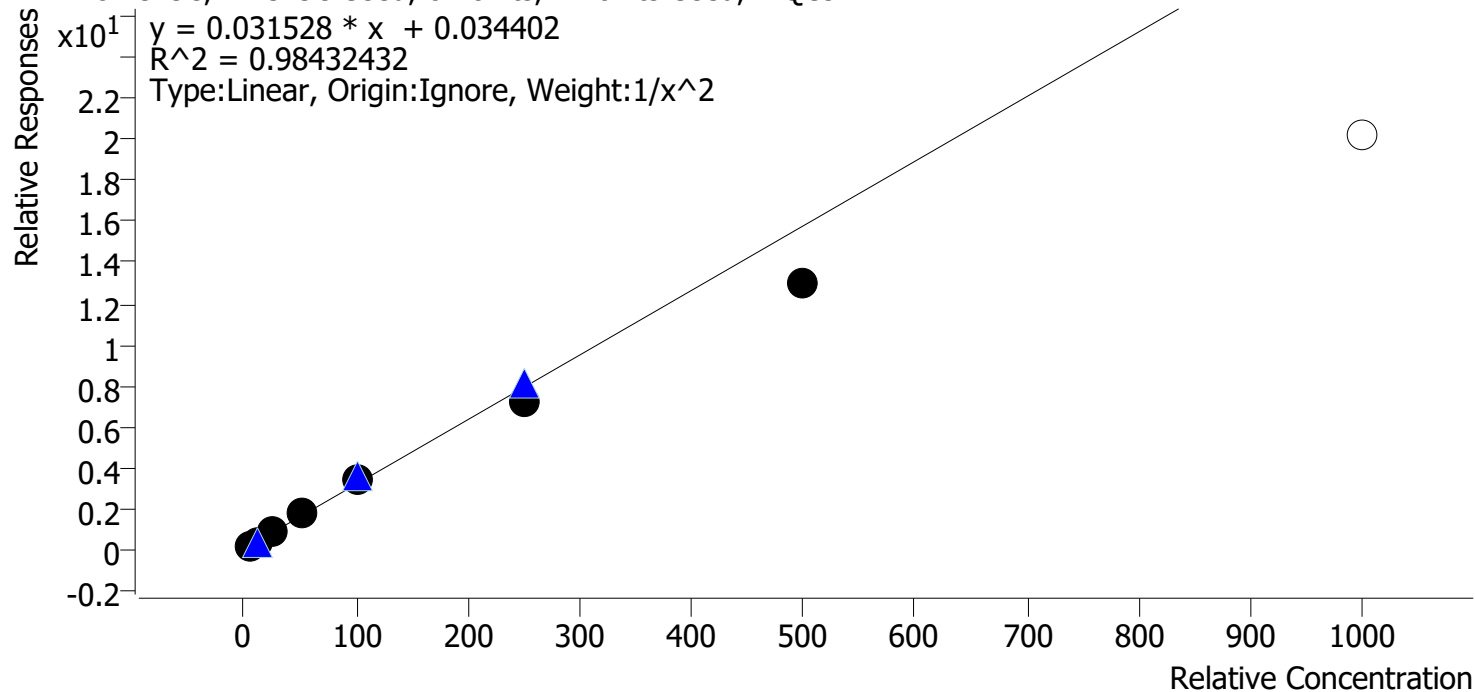
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.4
cal 2 mdq	2	✓	10.0	11.0	109.6
cal 3 mdq	3	✓	25.0	26.5	106.2
cal 4 mdq	4	✓	50.0	53.9	107.7
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	241.6	96.6
cal 7 mdq	7	✓	500.0	413.5	82.7
cal 8 mdq	8	✓	1000.0	1034.2	103.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	28.3	113.0
cal 4 mdq	4	✓	50.0	55.2	110.4
cal 5 mdq	5	✓	100.0	105.1	105.1
cal 6 mdq	6	✓	250.0	229.7	91.9
cal 7 mdq	7	✓	500.0	413.9	82.8
cal 8 mdq	8	✗	1000.0	640.2	64.0

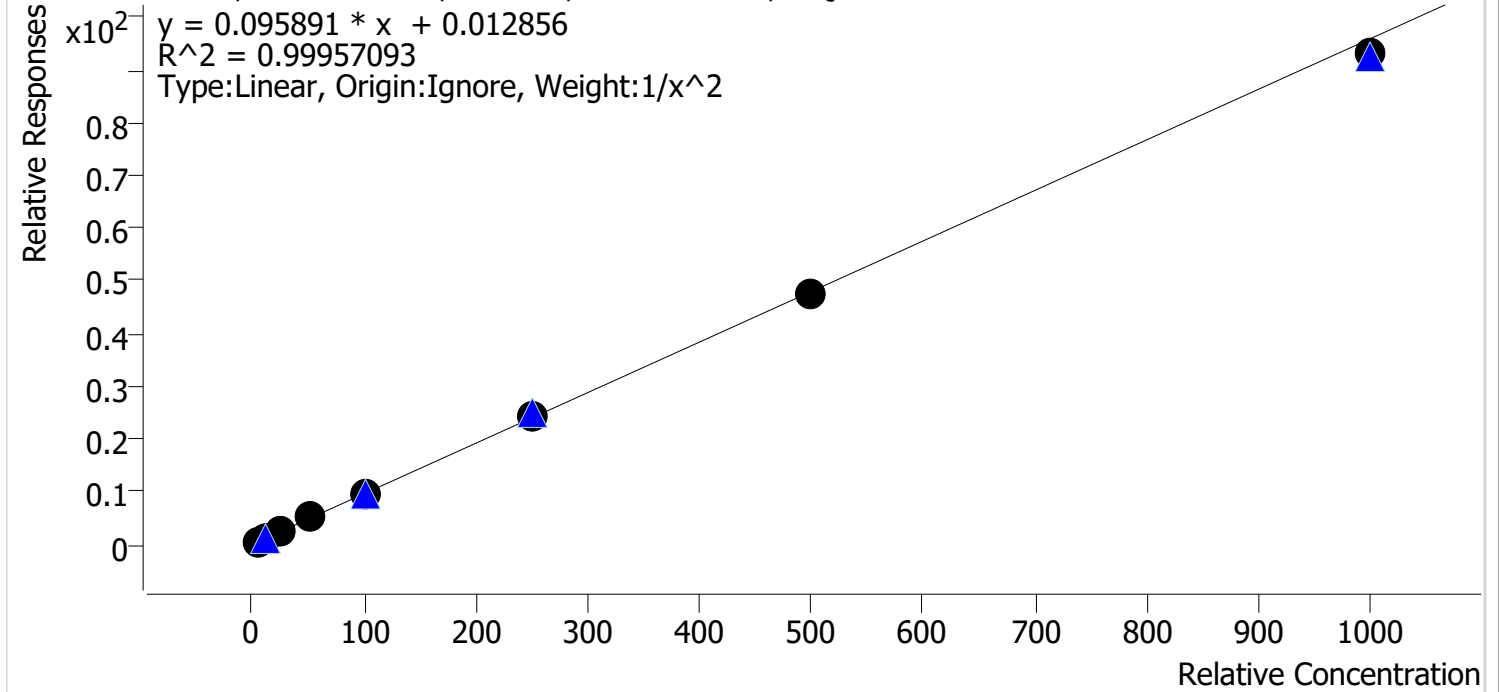
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



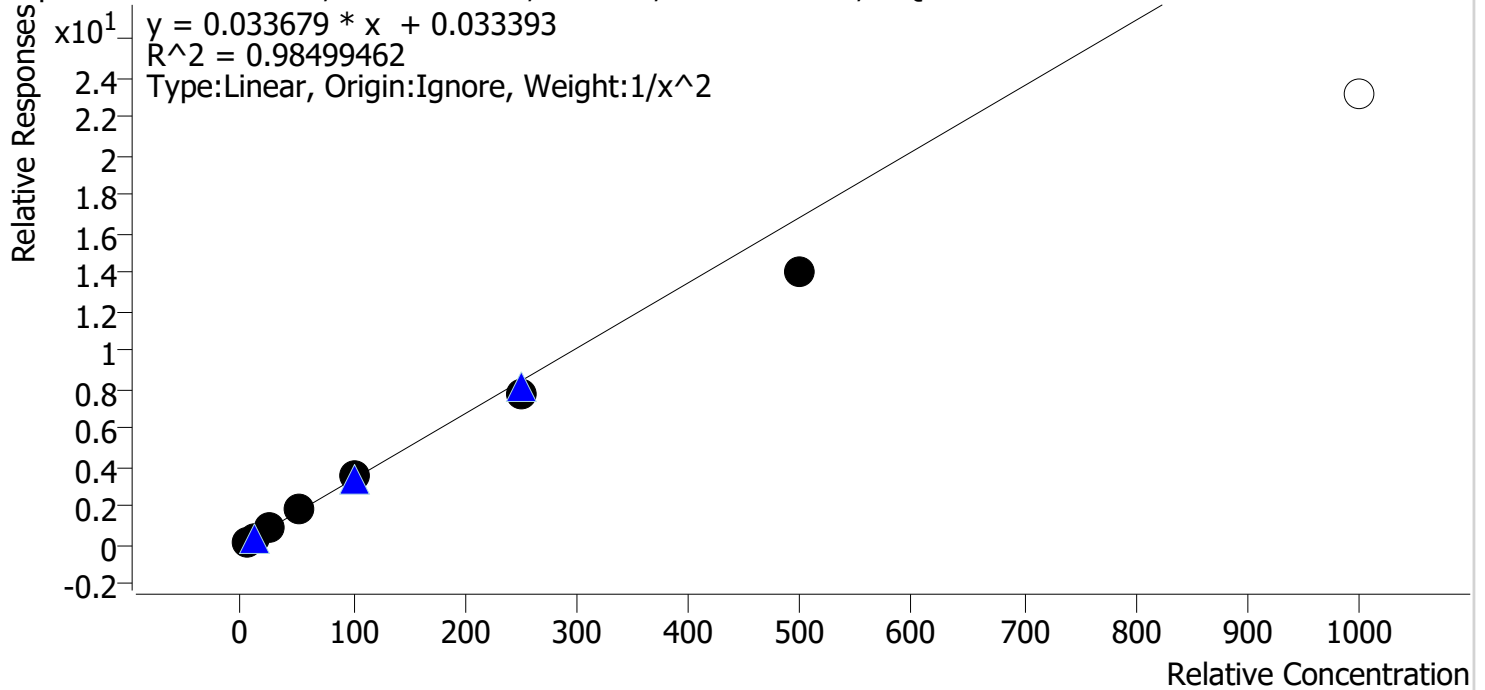
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	51.5	103.1
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	497.1	99.4
cal 8 mdq	8	✓	1000.0	970.7	97.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.5
cal 2 mdq	2	✓	10.0	10.2	102.3
cal 3 mdq	3	✓	25.0	28.2	112.7
cal 4 mdq	4	✓	50.0	54.5	108.9
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	227.4	91.0
cal 7 mdq	7	✓	500.0	418.1	83.6
cal 8 mdq	8	✗	1000.0	687.3	68.7

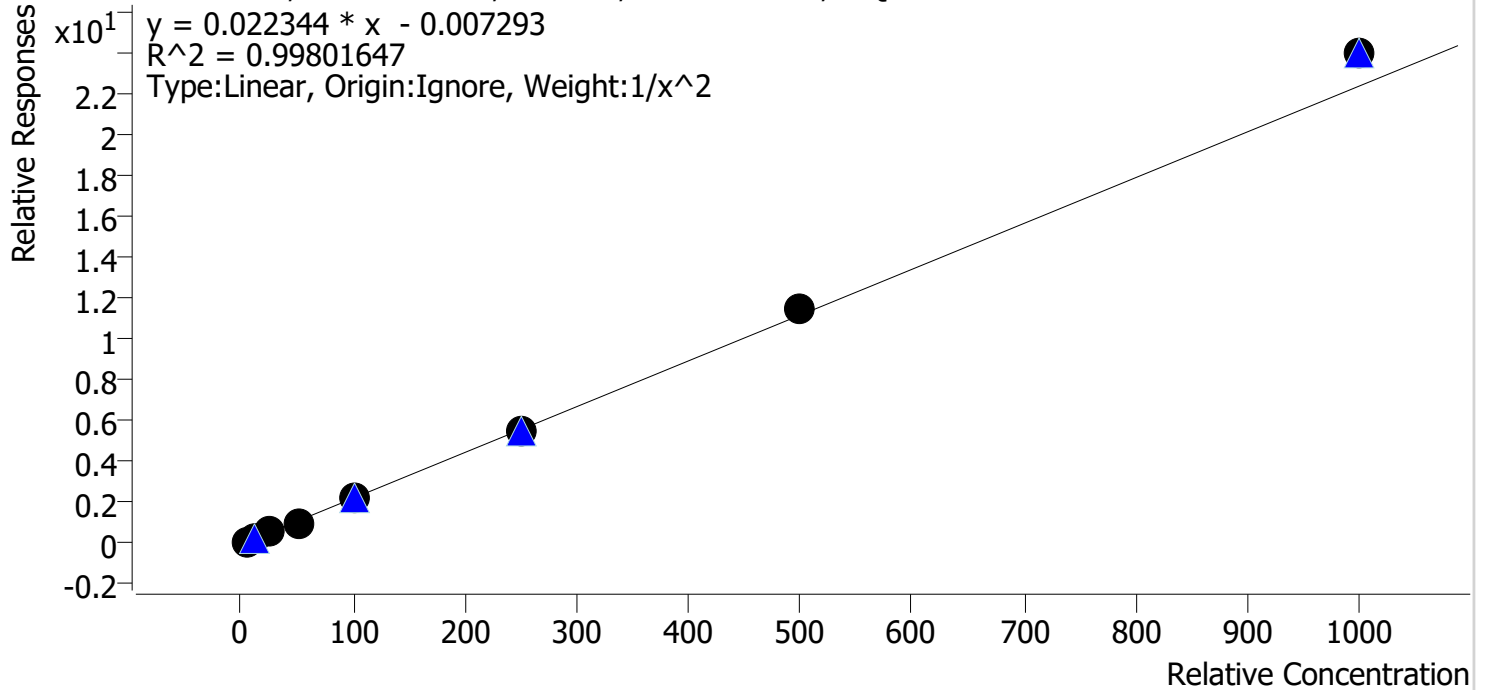
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	48.0	96.1
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	248.6	99.4
cal 7 mdq	7	✓	500.0	516.9	103.4
cal 8 mdq	8	✓	1000.0	1071.0	107.1

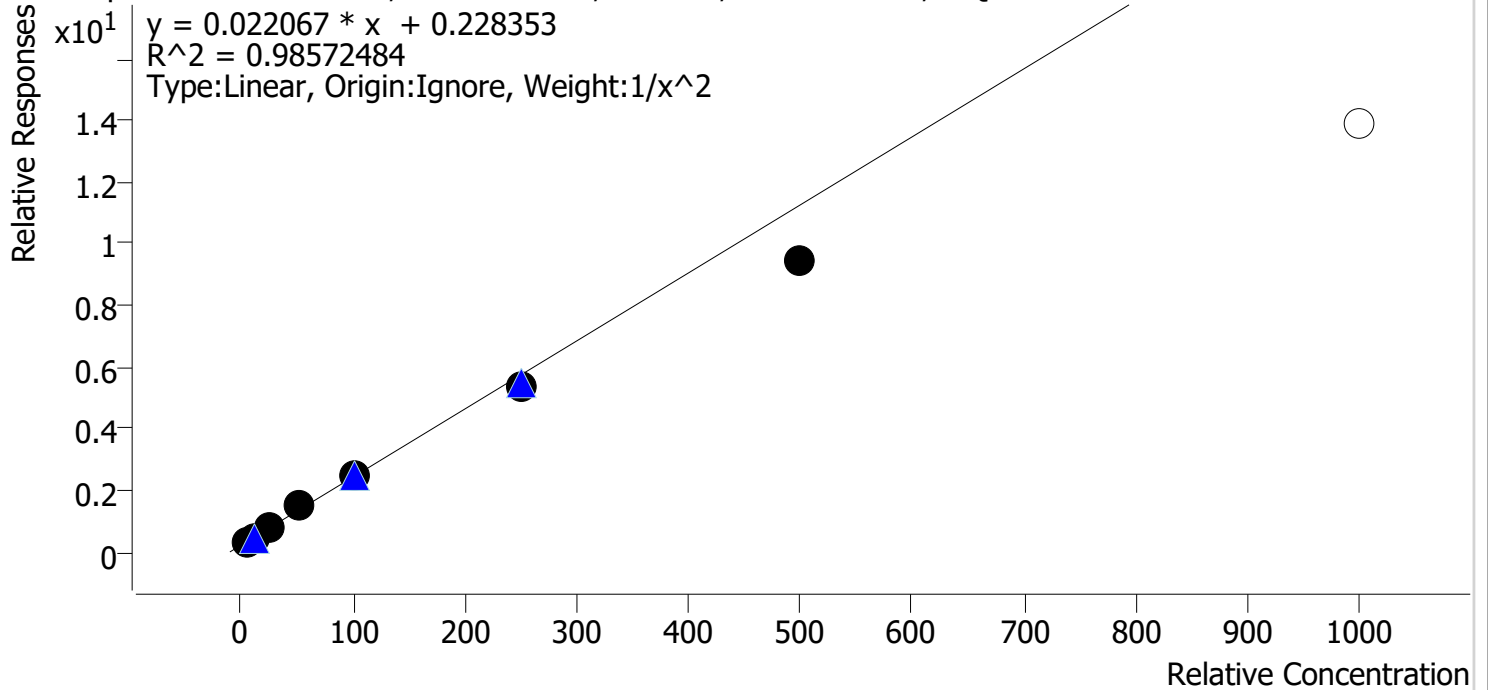


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

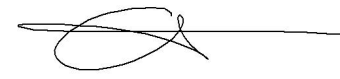
Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.2
cal 2 mdq	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	27.6	110.3
cal 4 mdq	4	✓	50.0	56.4	112.7
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	234.4	93.8
cal 7 mdq	7	✓	500.0	416.7	83.3
cal 8 mdq	8	✗	1000.0	618.7	61.9

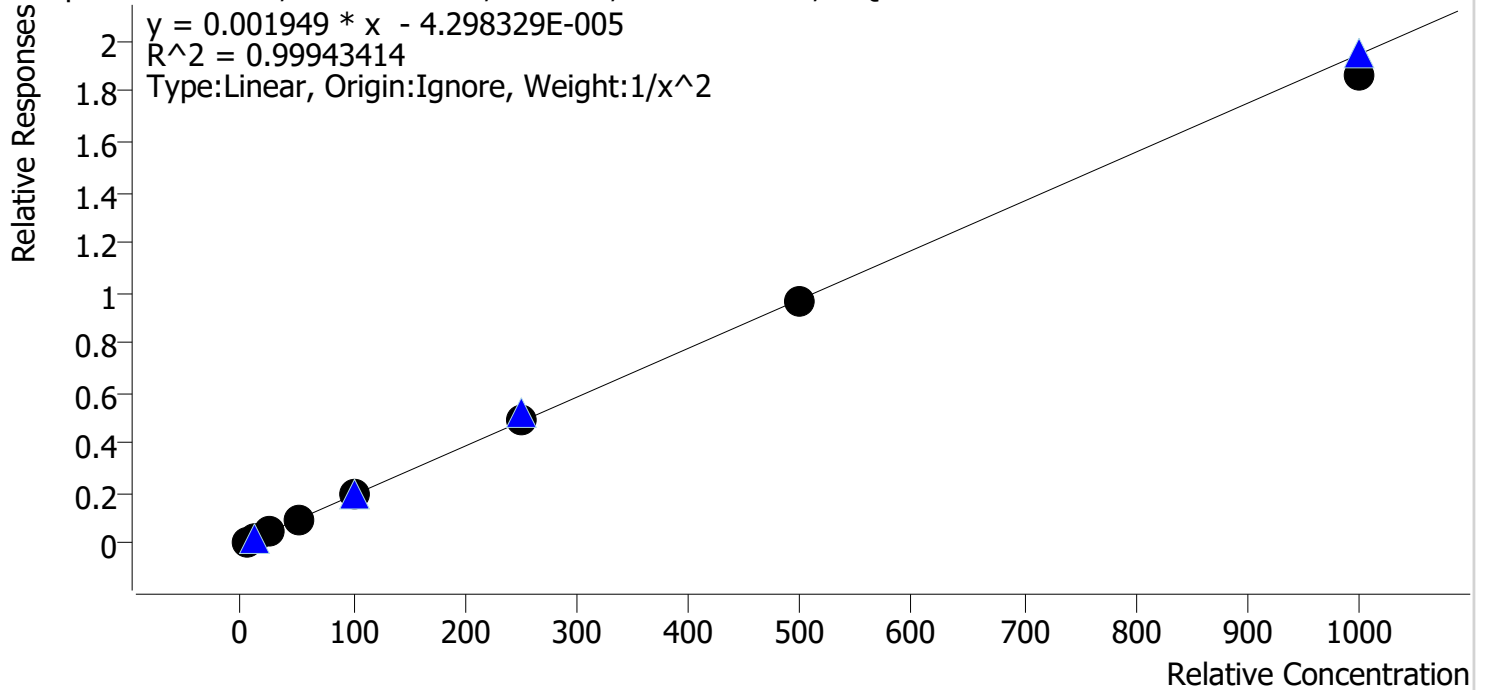
dropped cal 8 due to accuracy

# Compound Calibration Report



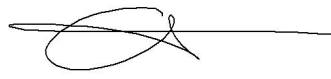
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Pseudoephedrine-D3

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

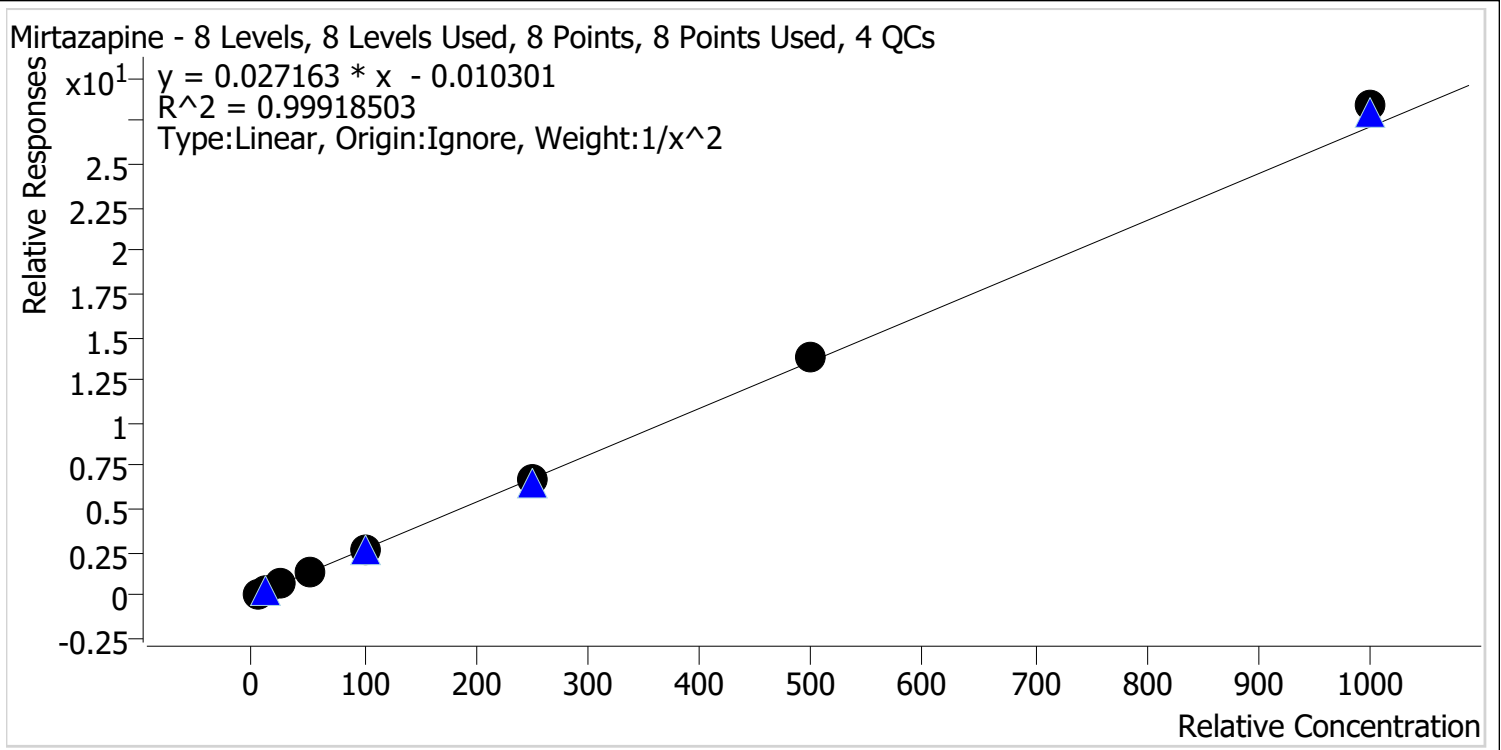


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.0
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	255.8	102.3
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	955.5	95.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9



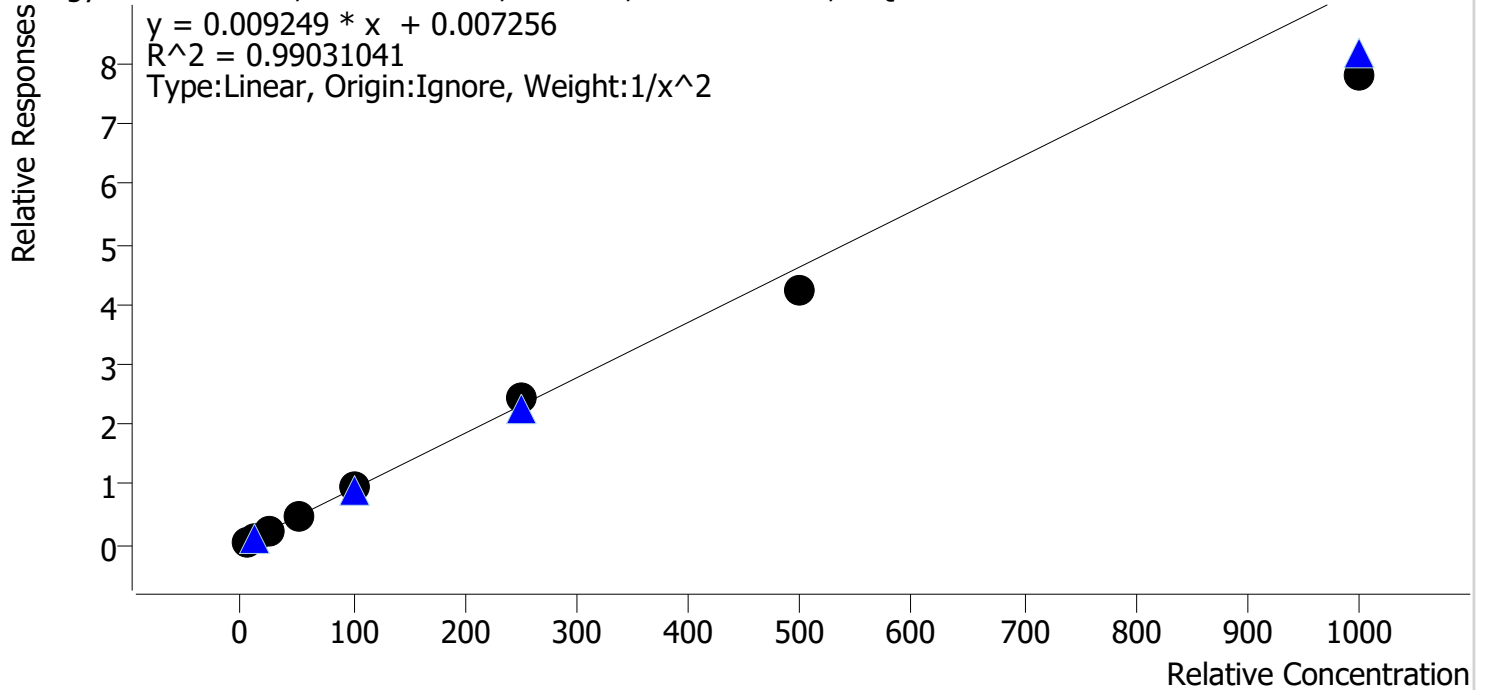
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	509.5	101.9
cal 8 mdq	8	✓	1000.0	1045.2	104.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** MDA-D5

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



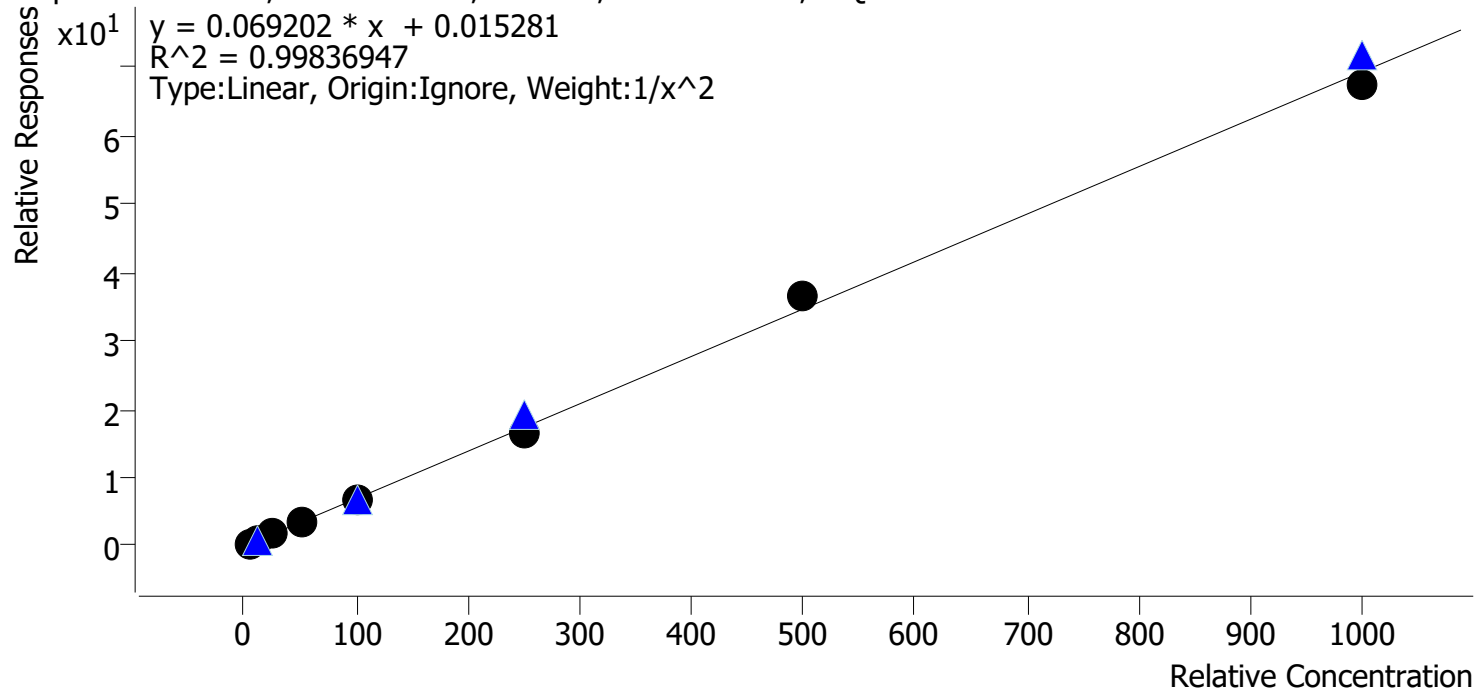
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.8
cal 2 mdq	2	✓	10.0	10.7	106.8
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	52.2	104.3
cal 5 mdq	5	✓	100.0	106.8	106.8
cal 6 mdq	6	✓	250.0	264.3	105.7
cal 7 mdq	7	✓	500.0	456.4	91.3
cal 8 mdq	8	✓	1000.0	846.4	84.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



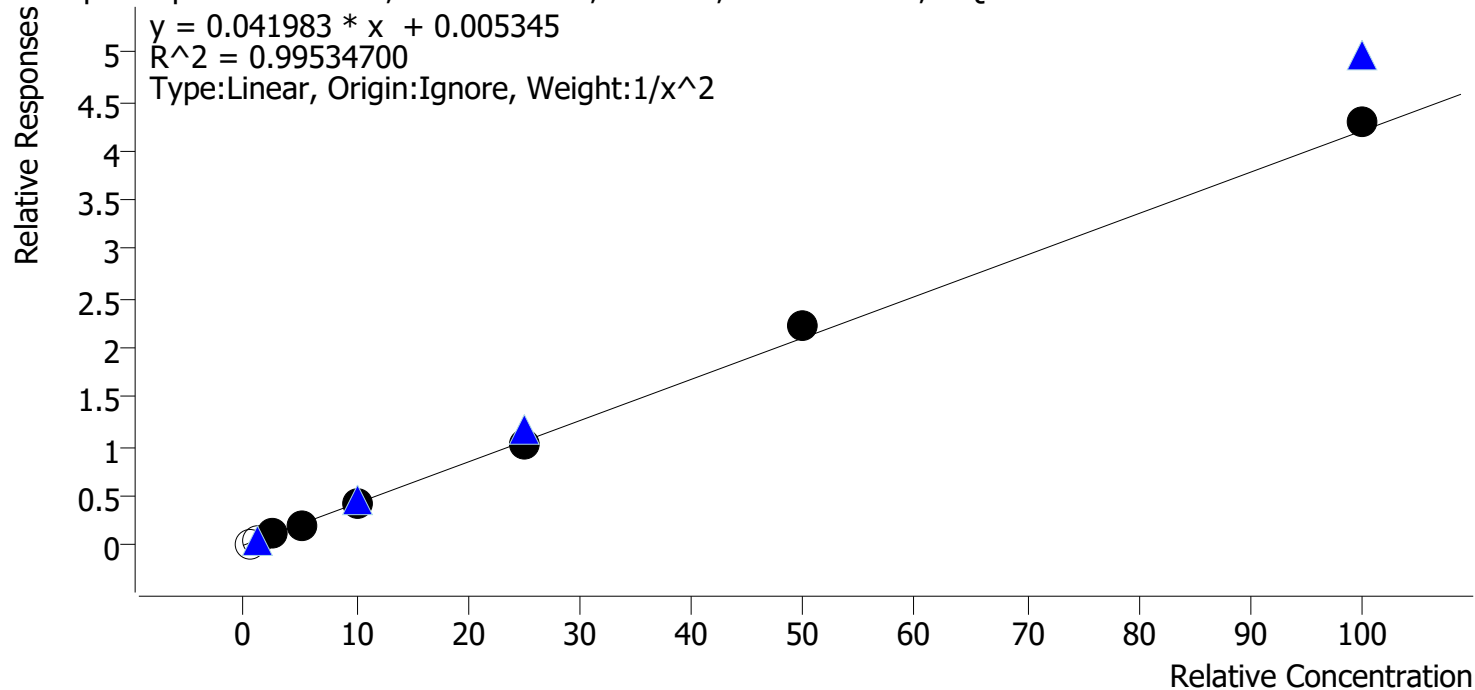
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	50.6	101.1
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	236.0	94.4
cal 7 mdq	7	✓	500.0	530.7	106.1
cal 8 mdq	8	✓	1000.0	971.5	97.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.3	55.0
cal 2 mdq	2	x	1.0	0.6	62.5
cal 3 mdq	3	✓	2.5	2.6	104.4
cal 4 mdq	4	✓	5.0	4.6	91.9
cal 5 mdq	5	✓	10.0	9.9	98.7
cal 6 mdq	6	✓	25.0	24.0	96.1
cal 7 mdq	7	✓	50.0	53.3	106.5
cal 8 mdq	8	✓	100.0	102.4	102.4

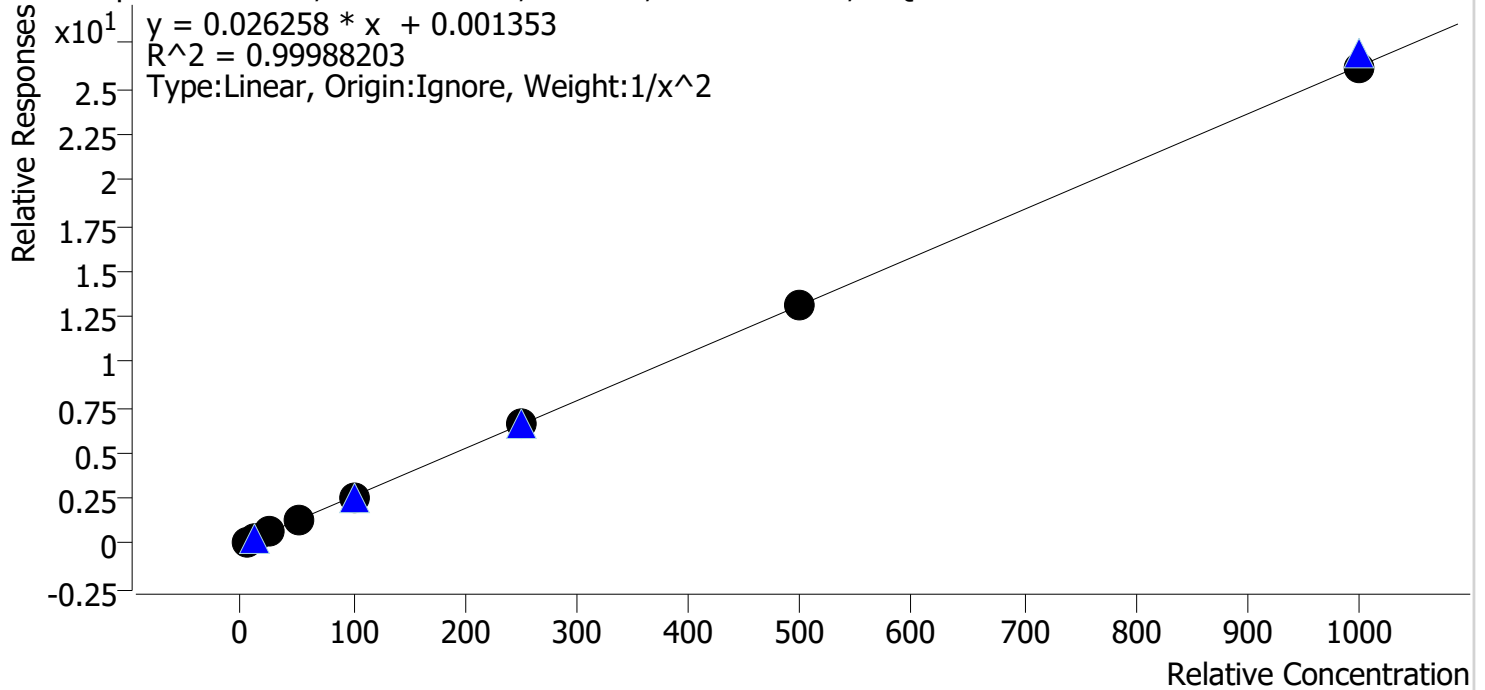
dropped cal 1 and 2 due to poor peak shape and response ratios out of range.

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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



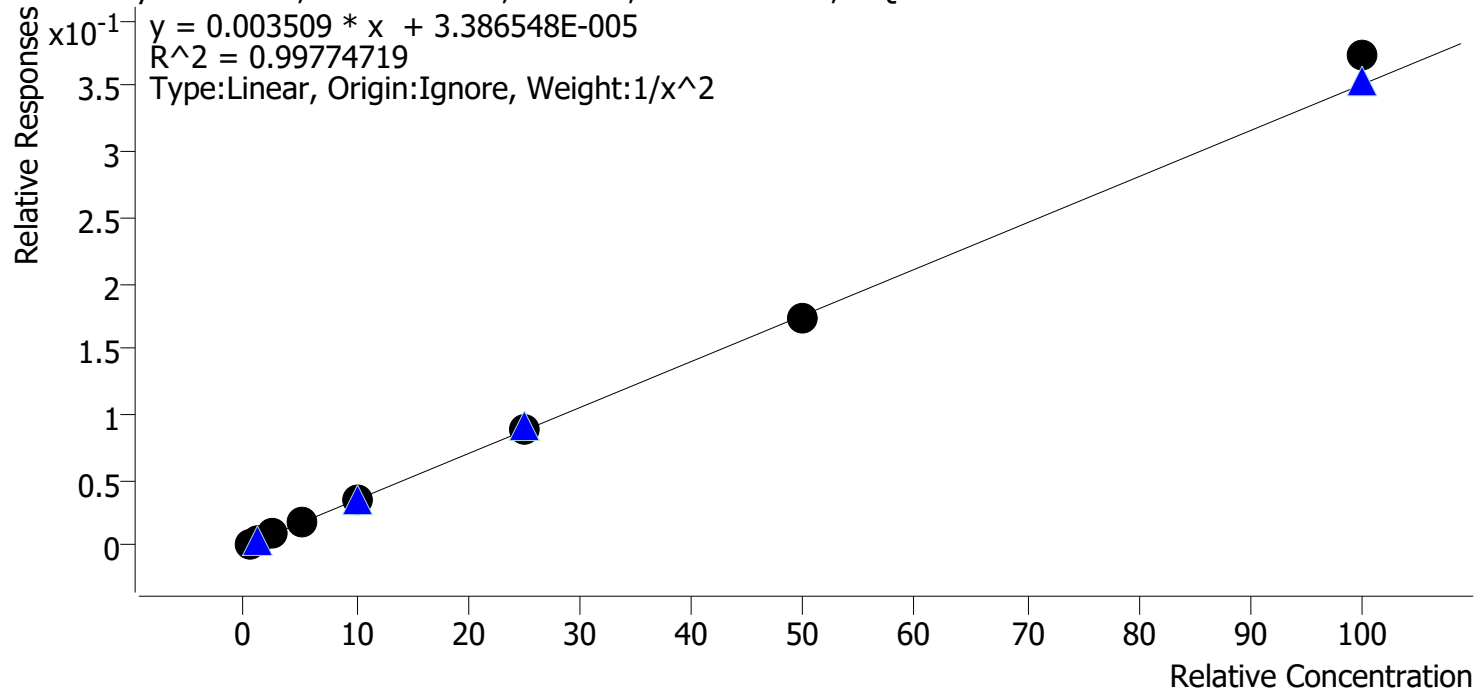
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	501.5	100.3
cal 8 mdq	8	✓	1000.0	996.5	99.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

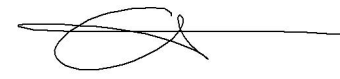
Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.9
cal 2 mdq	2	✓	1.0	0.9	92.9
cal 3 mdq	3	✓	2.5	2.5	98.2
cal 4 mdq	4	✓	5.0	4.9	98.4
cal 5 mdq	5	✓	10.0	10.2	102.3
cal 6 mdq	6	✓	25.0	25.0	99.8
cal 7 mdq	7	✓	50.0	49.1	98.3
cal 8 mdq	8	✓	100.0	106.2	106.2

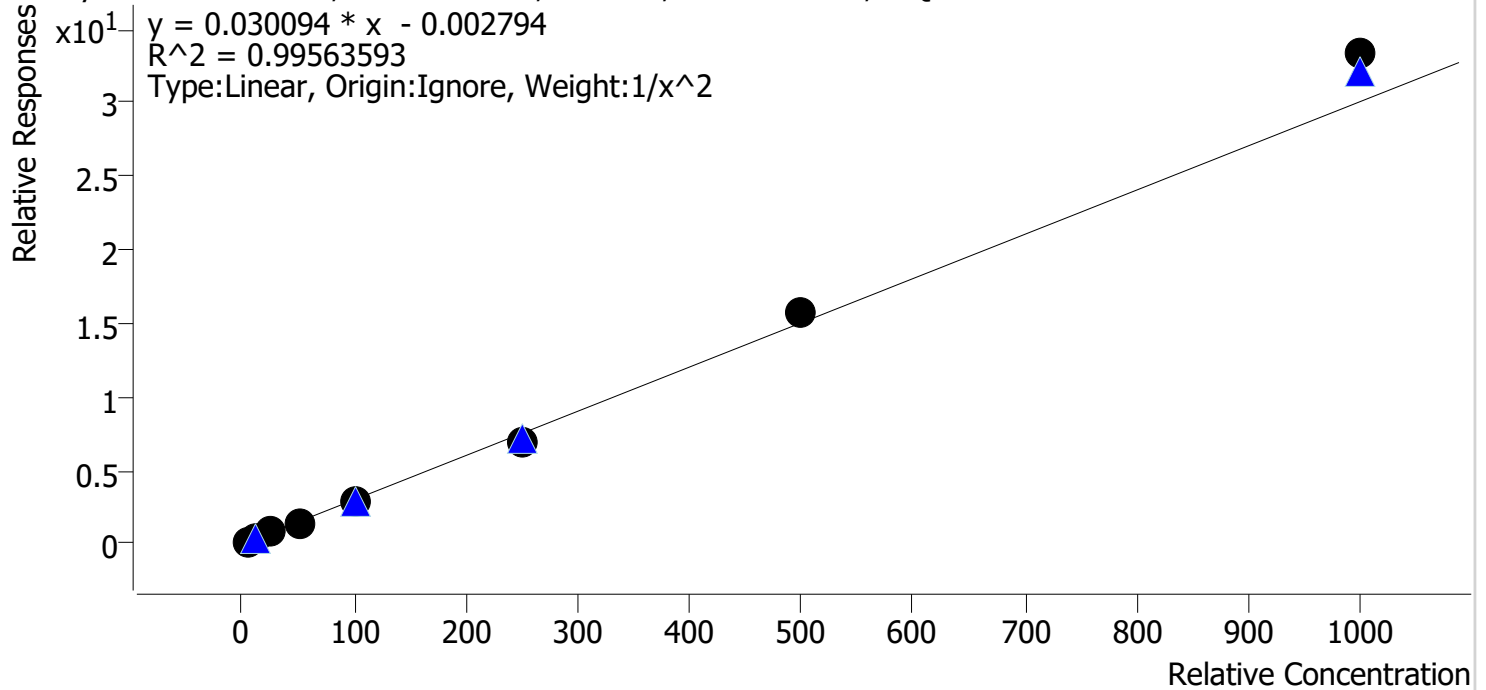


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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

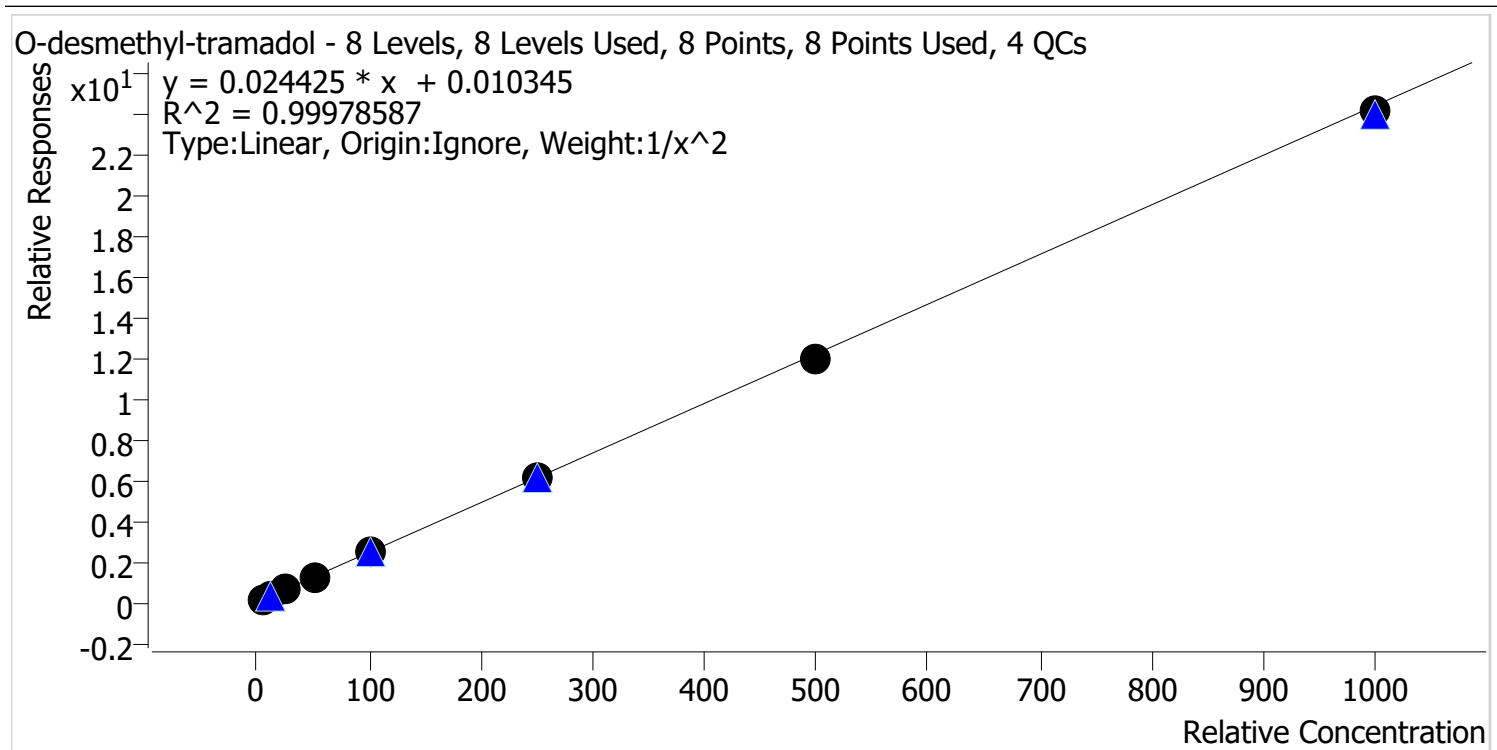


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	48.7	97.3
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	230.2	92.1
cal 7 mdq	7	✓	500.0	520.3	104.1
cal 8 mdq	8	✓	1000.0	1108.6	110.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



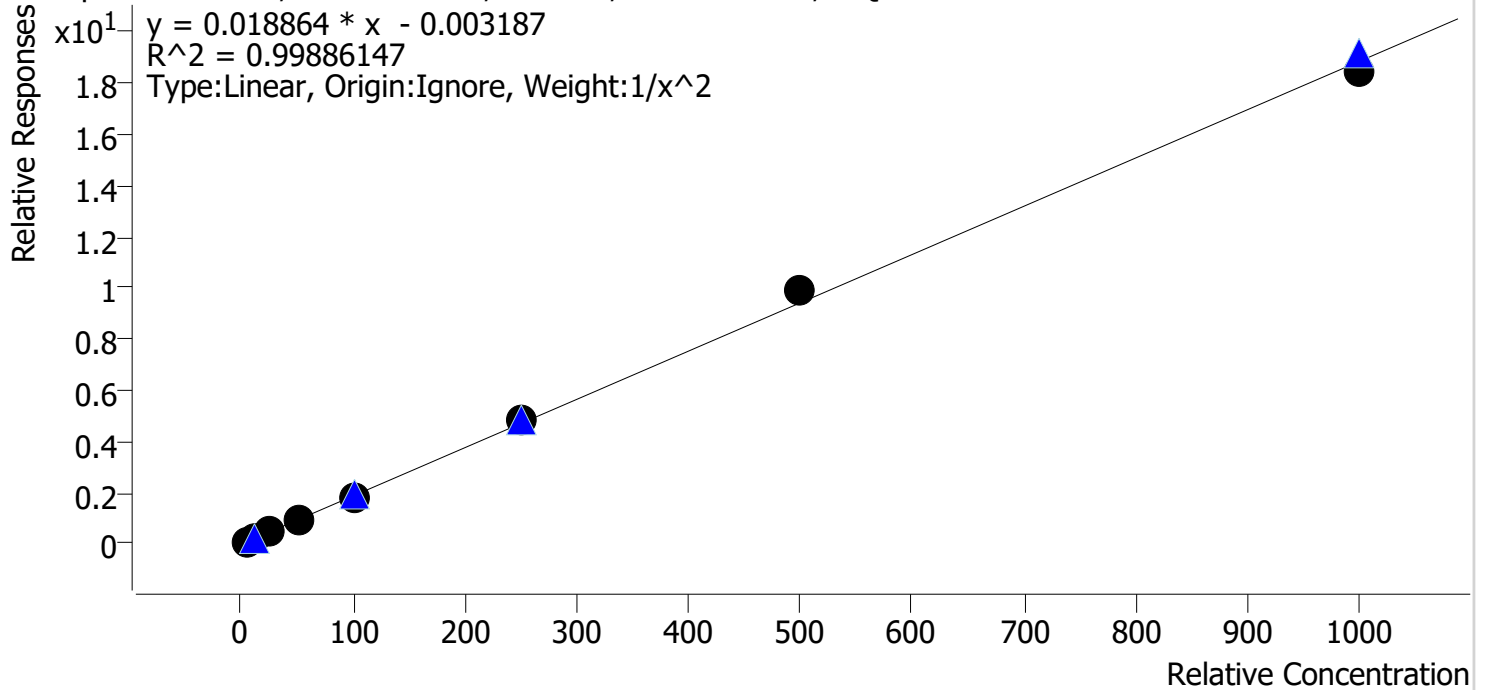
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	988.5	98.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.6	96.1
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	522.5	104.5
cal 8 mdq	8	✓	1000.0	979.1	97.9

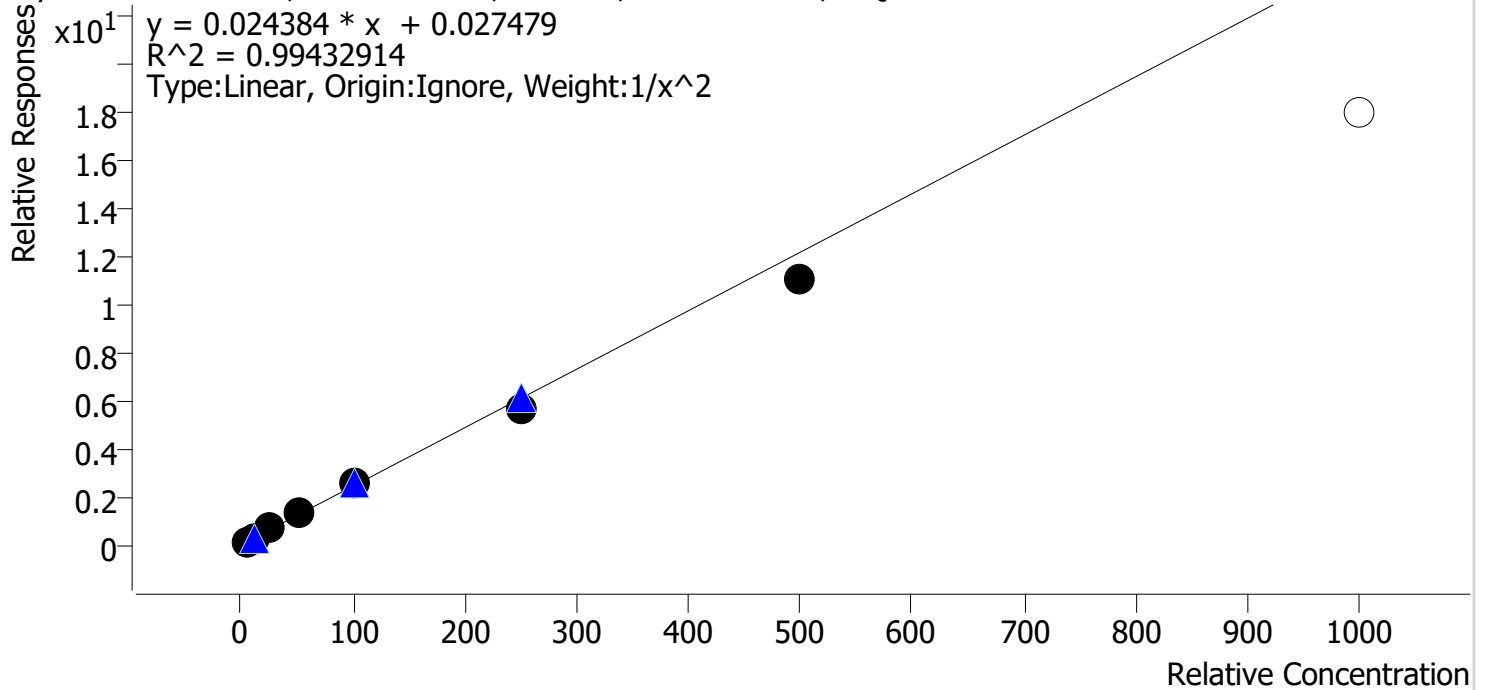
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone

**Internal Standard** Oxycodone-D6

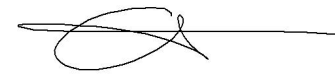
Oxycodone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.0
cal 2 mdq	2	✓	10.0	10.4	104.4
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	53.2	106.3
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	233.5	93.4
cal 7 mdq	7	✓	500.0	455.1	91.0
cal 8 mdq	8	✗	1000.0	738.2	73.8

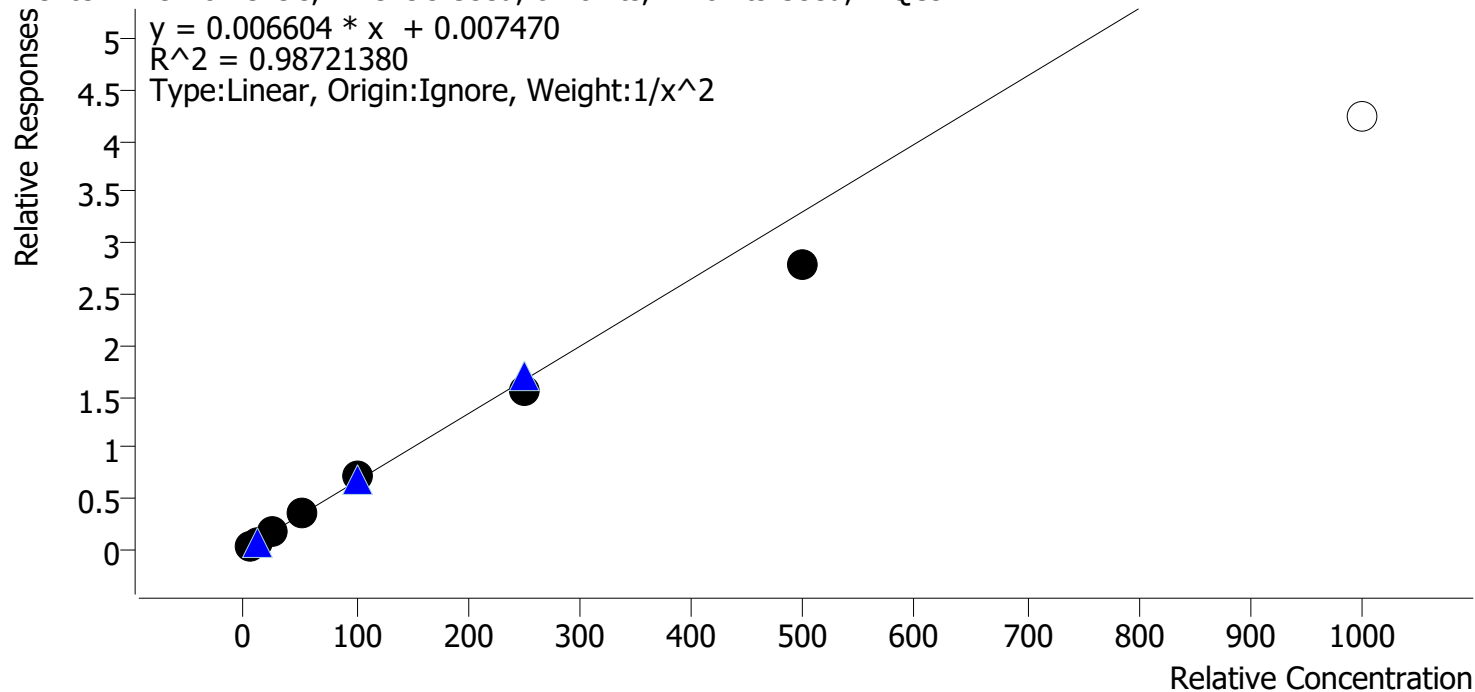
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	27.3	109.2
cal 4 mdq	4	✓	50.0	55.6	111.3
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	232.6	93.1
cal 7 mdq	7	✓	500.0	420.1	84.0
cal 8 mdq	8	✗	1000.0	643.3	64.3

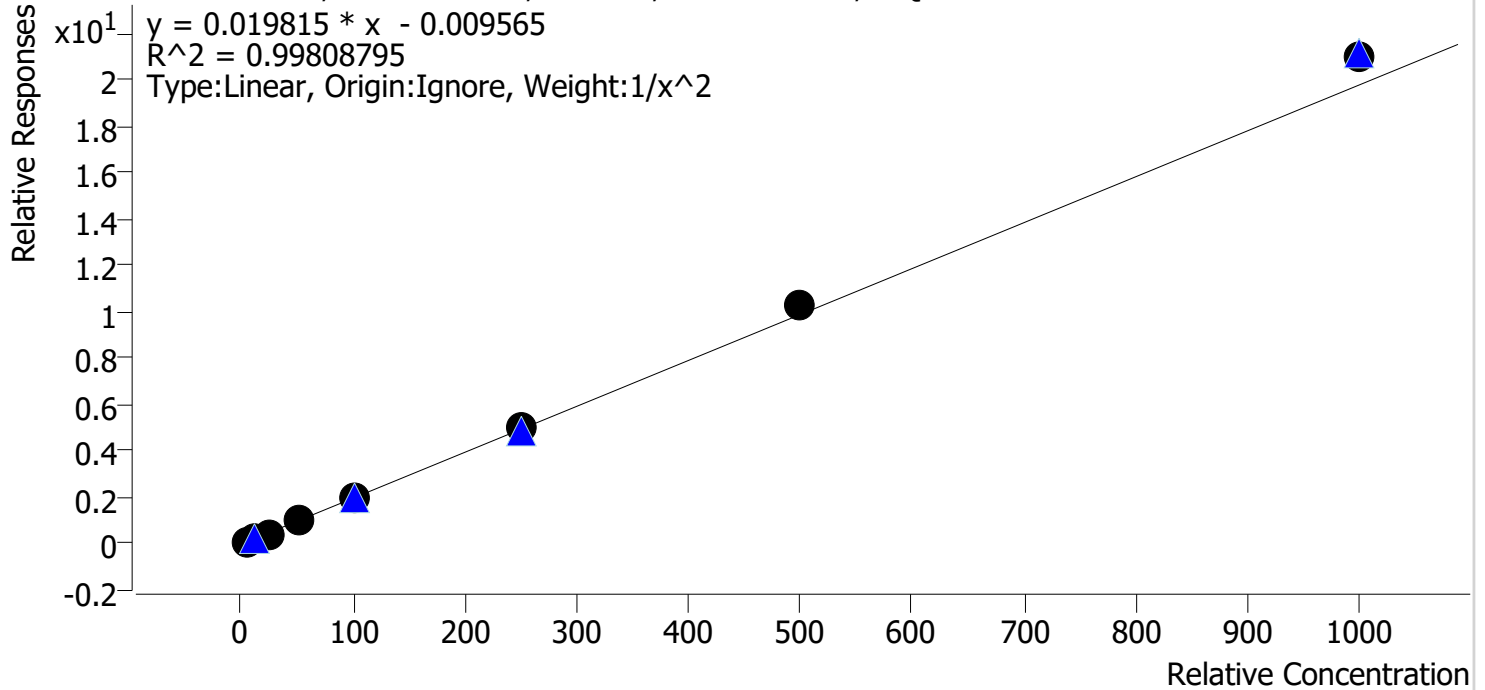
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



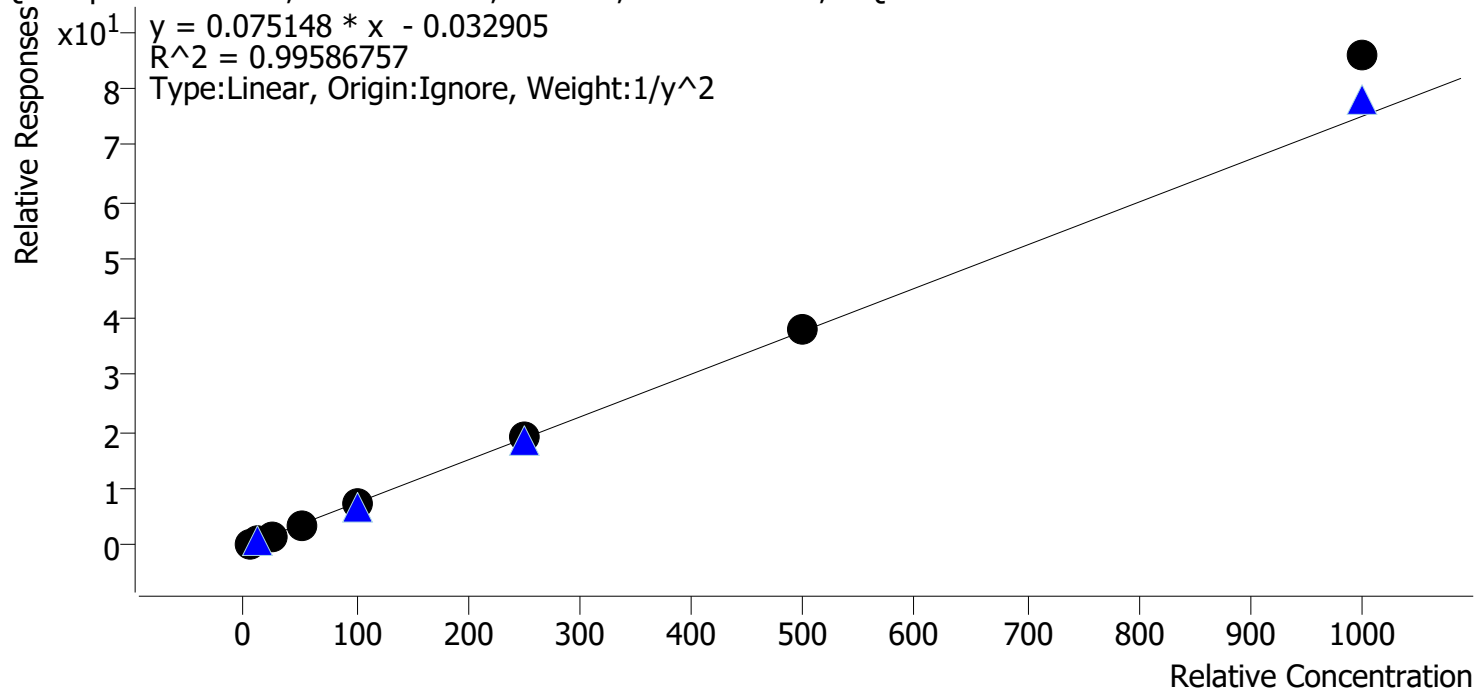
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	520.1	104.0
cal 8 mdq	8	✓	1000.0	1059.2	105.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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

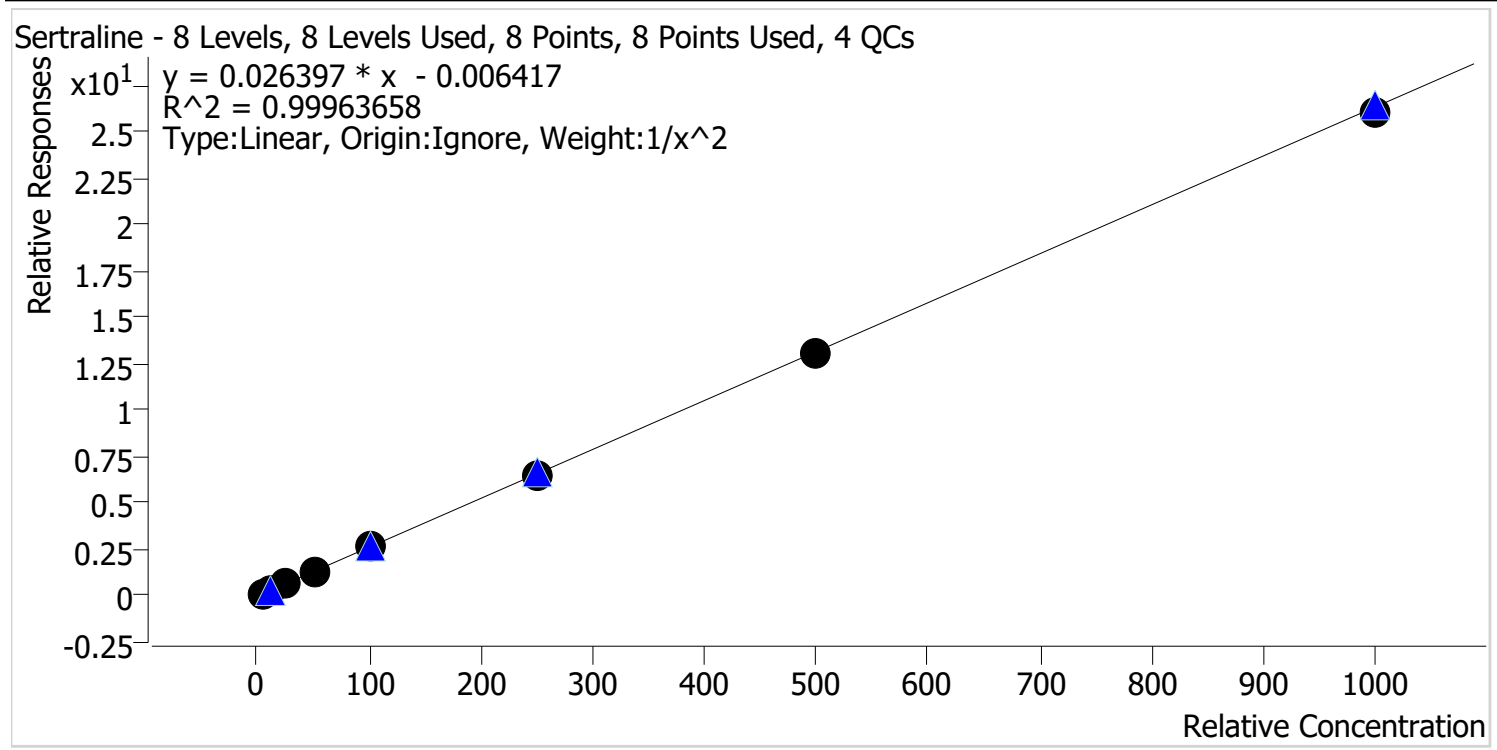


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.4
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	507.6	101.5
cal 8 mdq	8	✓	1000.0	1141.3	114.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.4	101.8
cal 4 mdq	4	✓	50.0	49.8	99.5
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	243.7	97.5
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	987.3	98.7

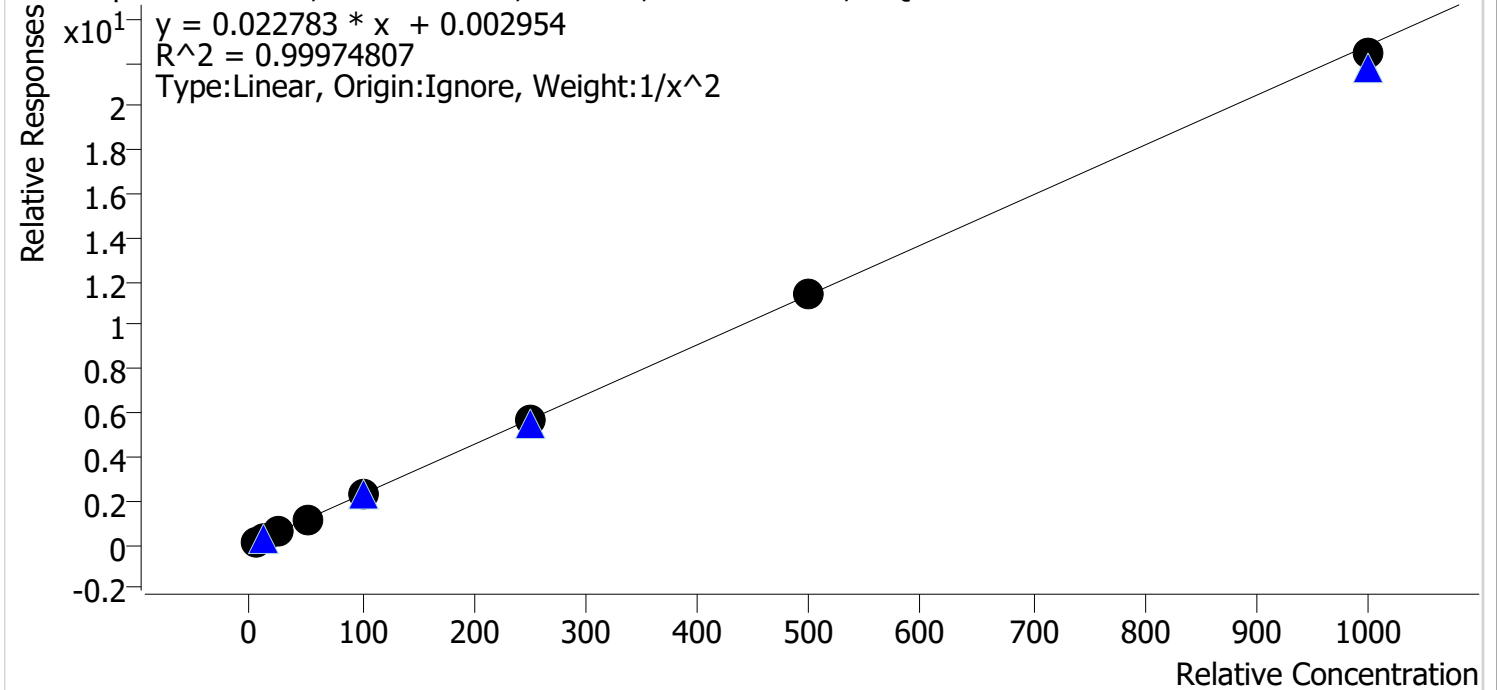


# Compound Calibration Report



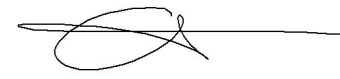
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



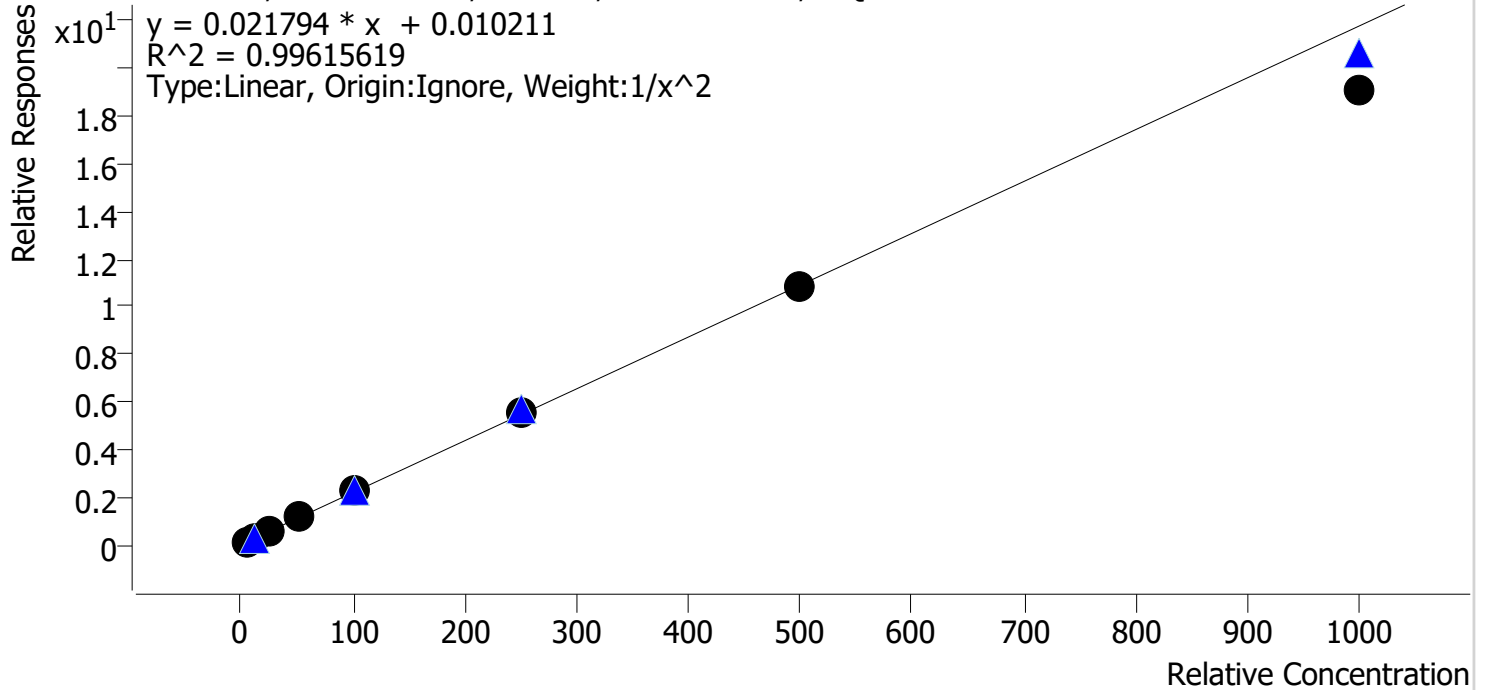
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	498.5	99.7
cal 8 mdq	8	✓	1000.0	983.6	98.4

# Compound Calibration Report



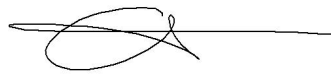
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

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



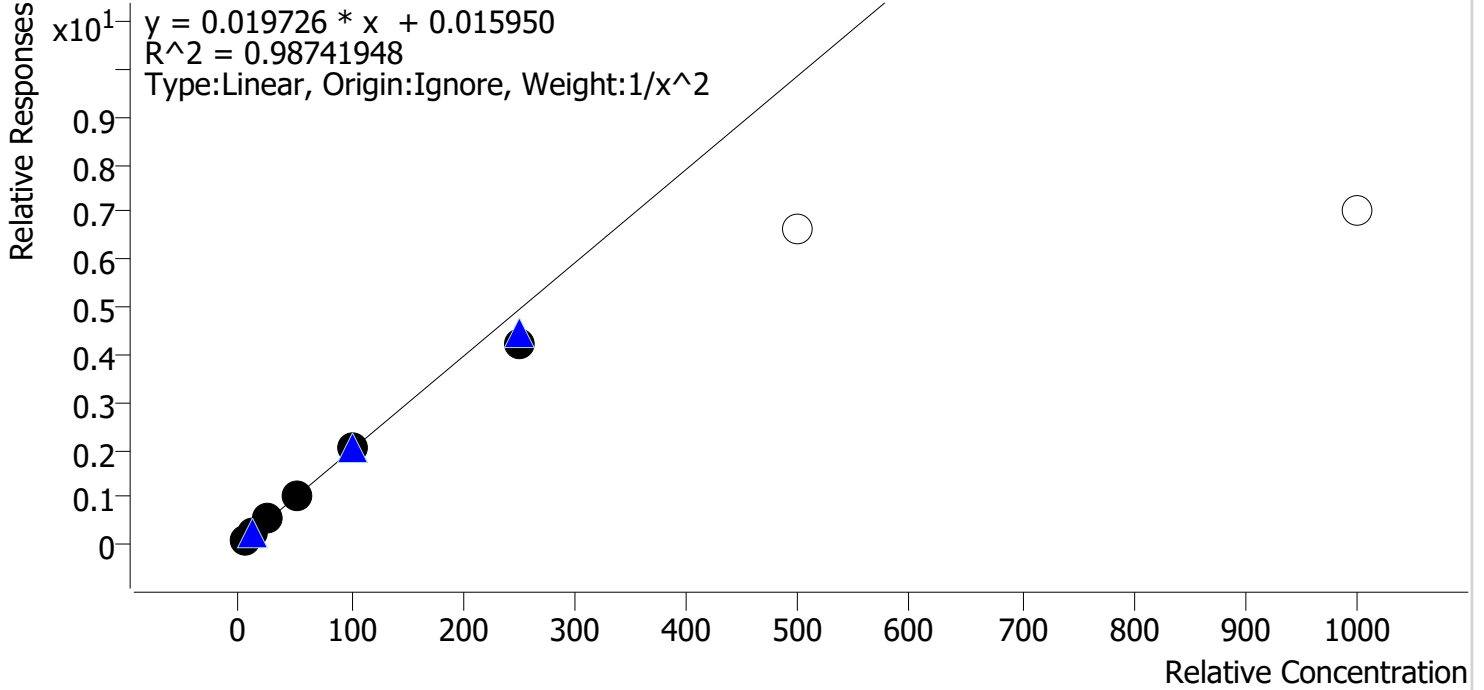
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	105.0	105.0
cal 6 mdq	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	500.4	100.1
cal 8 mdq	8	✓	1000.0	877.0	87.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



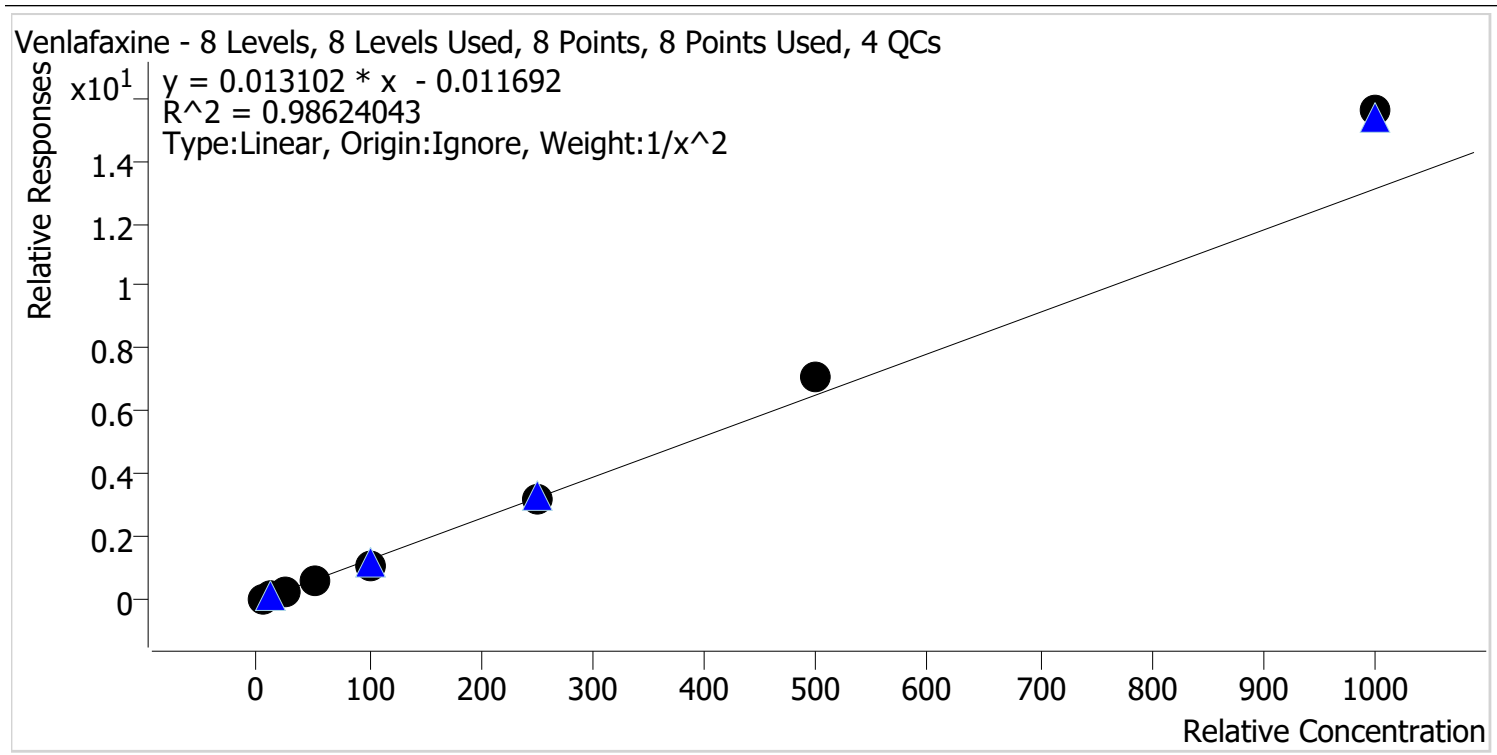
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	28.1	112.4
cal 4 mdq	4	✓	50.0	50.2	100.3
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	212.9	85.1
cal 7 mdq	7	✗	500.0	334.9	67.0
cal 8 mdq	8	✗	1000.0	356.9	35.7

dropped cal 7 and 8 due to accuracy

# Compound Calibration Report

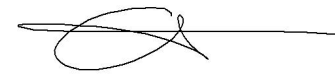


**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



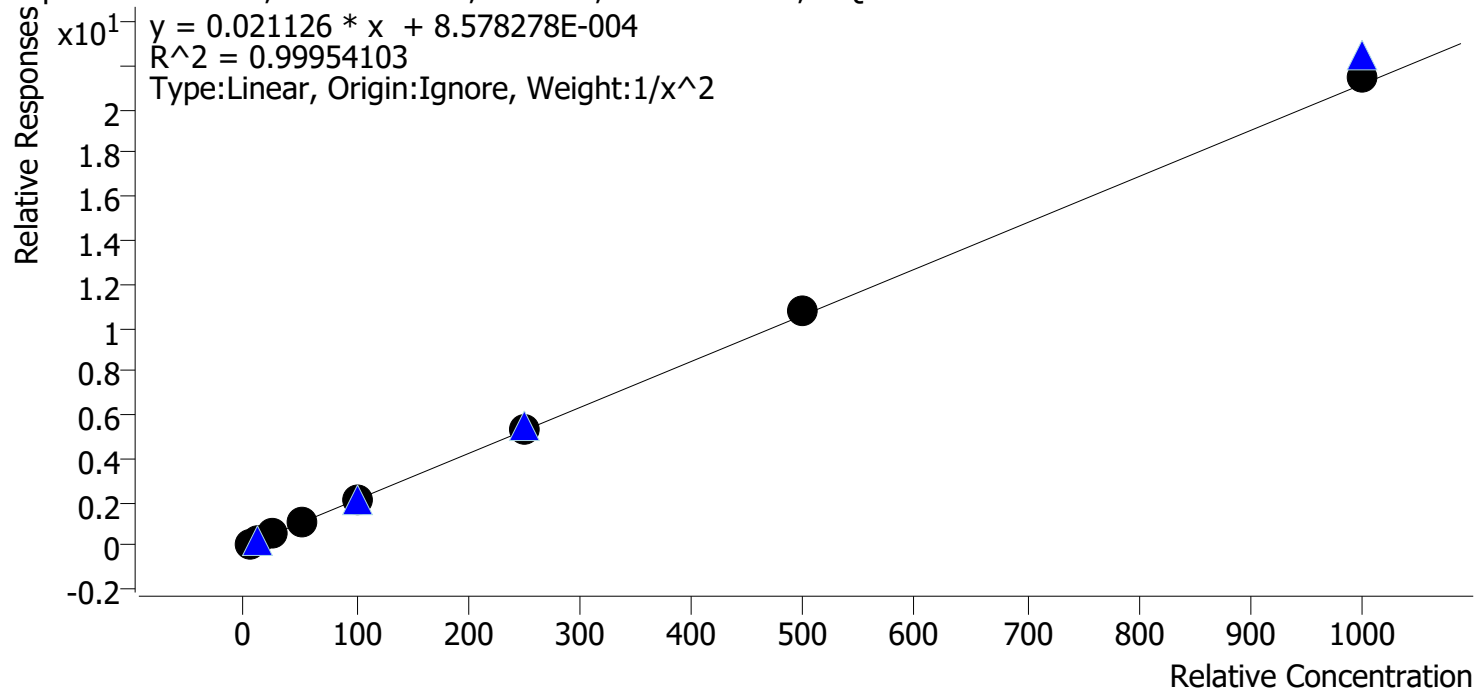
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.7
cal 2 mdq	2	✓	10.0	9.4	93.8
cal 3 mdq	3	✓	25.0	23.3	93.3
cal 4 mdq	4	✓	50.0	45.6	91.3
cal 5 mdq	5	✓	100.0	89.0	89.0
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	539.2	107.8
cal 8 mdq	8	✓	1000.0	1189.9	119.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



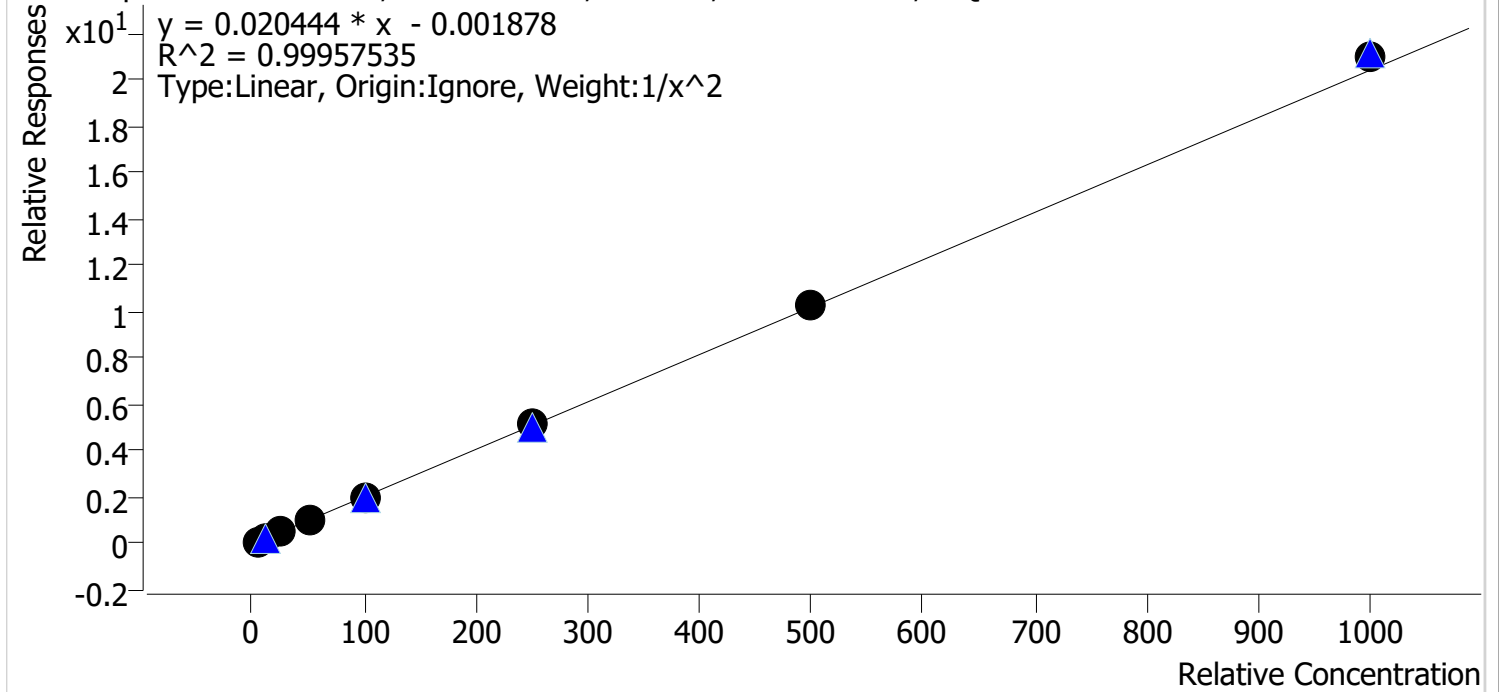
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.7	97.5
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.5	99.1
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	251.9	100.7
cal 7 mdq	7	✓	500.0	511.3	102.3
cal 8 mdq	8	✓	1000.0	1017.9	101.8

# Compound Calibration Report



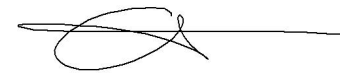
**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



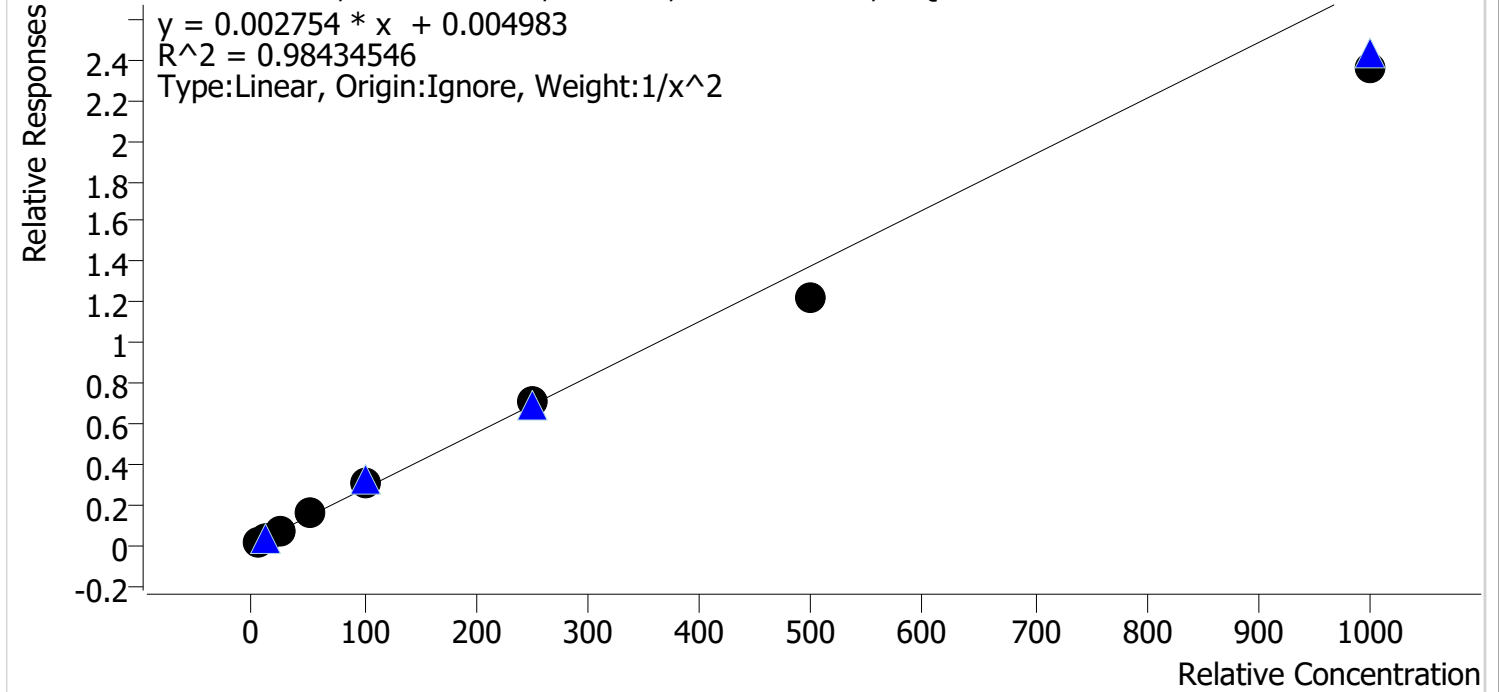
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	251.4	100.5
cal 7 mdq	7	✓	500.0	505.2	101.0
cal 8 mdq	8	✓	1000.0	1030.8	103.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



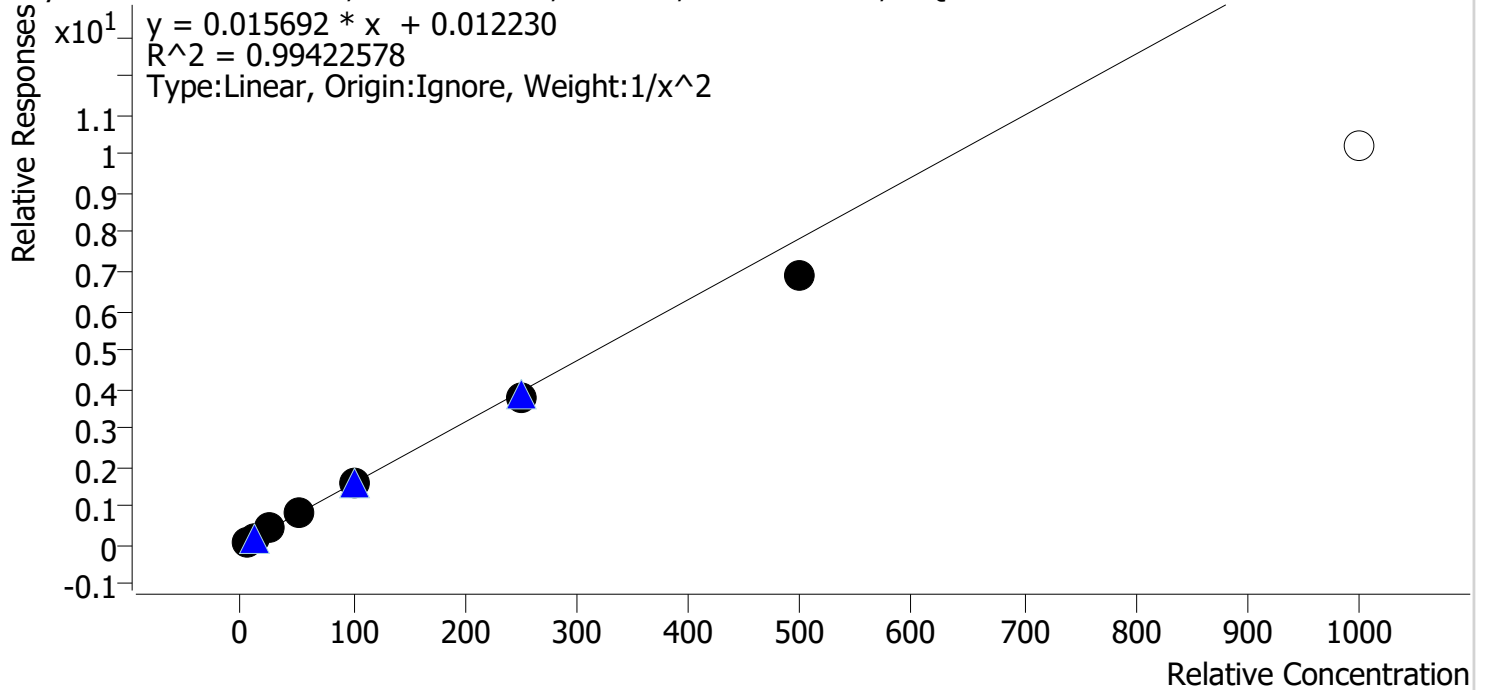
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.2	92.0
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	57.9	115.7
cal 5 mdq	5	✓	100.0	112.9	112.9
cal 6 mdq	6	✓	250.0	257.4	102.9
cal 7 mdq	7	✓	500.0	439.8	88.0
cal 8 mdq	8	✓	1000.0	858.0	85.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 9/9/2022 12:54 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	241.2	96.5
cal 7 mdq	7	✓	500.0	442.0	88.4
cal 8 mdq	8	✗	1000.0	648.9	64.9

dropped cal 8 due to accuracy

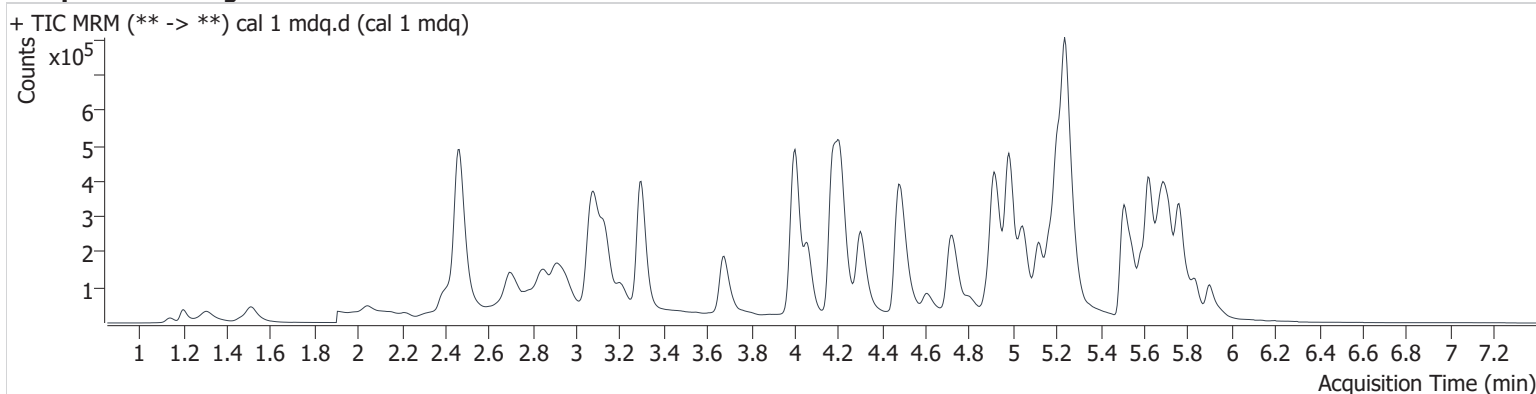


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 1 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 1 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 10:43:35 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.064	1366	12467.7	118.8	∞	65349	0.491 ng/ml
7-aminoclonazepam	4.192	24956	599.7	56.6	973.6	198159	4.758 ng/ml
a-hydroxyalprazolam	5.644	4558	∞	62.8	12283.0	594866	4.806 ng/ml
alpha-PHP	4.883	24216	12566.4	239.7	167799.2	600386	5.005 ng/ml
alpha-PVP	4.313	82997	7539.7	53.5	880.5	600386	5.046 ng/ml
Alprazolam	5.723	35803	1121.3	92.6	5090.0	298391	5.012 ng/ml
Amphetamine	2.941	61298	1688.6	283.8	1637.0	528252	4.814 ng/ml
Buprenorphine	5.851	2694	383.7	12.7	472.7	71694	0.517 ng/ml
Bupropion	4.738	68931	5869.9	71.0	3863.4	691325	5.108 ng/ml
Carisoprodol	5.678	20799	89439.2	82.9	453.9	194403	5.030 ng/ml
Citalopram	5.173	55569	716.9	34.1	197810.1	499471	5.009 ng/ml
Clonazepam	5.555	26438	30451.2	33.3	∞	100261	5.094 ng/ml
Clonazolam	5.502	20343	10519.9	38.1	1382.4	100261	5.844 ng/ml
Cocaine	4.212	57713	∞	51.7	45851.2	870660	5.081 ng/ml
Codeine	2.458	8243	∞	92.9	1320.4	75564	4.744 ng/ml
Cyclobenzaprine	5.594	73449	24503.0	8.7	4554.0	394376	5.136 ng/ml
Dextromethorphan	5.211	43011	1149.5	77.2	3203.9	363760	5.125 ng/ml
Dextrophan	4.064	45644	1458.1	47.3	∞	436296	5.200 ng/ml
Diazepam	5.907	25348	1180.1	83.6	14961.6	213324	5.100 ng/ml
Dihydrocodeine	2.422	20347	216.1	59.6	141.2	231113	4.831 ng/ml
Diphenhydramine	5.243	181264	4165.4	30.3	568.6	1846024	5.058 ng/ml
Doxylamine	4.498	141737	3766.9	65.6	184245.4	1182759	5.030 ng/ml
EDDP	5.206	87362	2347.2	41.9	2047841.2	857026	4.996 ng/ml
Etizolam	5.764	18861	18820.3	21.0	30927.0	213324	5.064 ng/ml
Fentanyl	5.058	6916	296.7	104.9	8950.0	681392	0.539 ng/ml
Flualprazolam	5.654	18193	∞	96.2	8159.1	298391	5.007 ng/ml
Fluoxetine	5.681	62203	2928.8	6.2	11313.6	403428	5.062 ng/ml
Hydrocodone	2.943	30767	927.3	36.2	807.2	337194	4.697 ng/ml
Hydromorphone	1.518	25071	512.2	74.6	672.0	153542	5.058 ng/ml
Ketamine	4.008	54593	10779.6	36.4	399.0	519722	4.966 ng/ml
Lamotrigine	4.229	5181	222.9	95.7	9673.5	194403	5.210 ng/ml
Levetiracetam	2.501	26491	888.7	151.7	1590.2	1394832	5.087 ng/ml
Lorazepam	5.696	20244	∞	41.3	296.8	396419	4.670 ng/ml

# AM #28 Multi-Drug Quant. Results

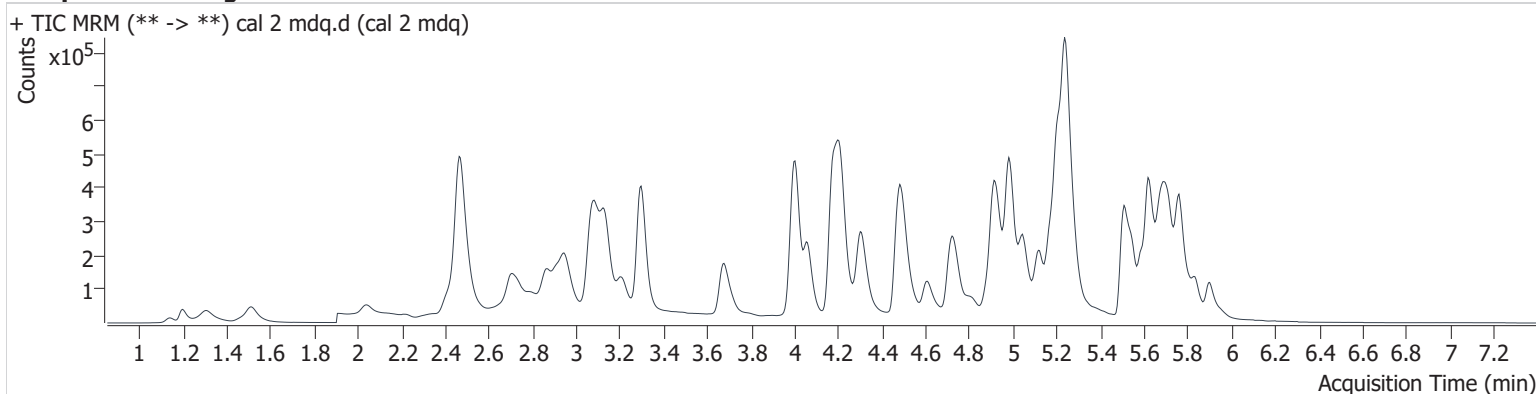
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	71589	2005.4	22.6	24.4	385242	4.803 ng/ml
MDMA	3.210	52292	761984.4	108.4	∞	105965	5.012 ng/ml
Meprobamate	4.827	21882	6642.5	32.6	175.1	112705	4.773 ng/ml
Methadone	5.623	89994	3692.9	65.4	3592.4	845419	5.090 ng/ml
Methamphetamine	3.135	319359	1925.3	40.3	575.9	957958	4.759 ng/ml
Metoprolol	4.275	13402	1277.4	99.2	856.9	1394832	4.951 ng/ml
Mirtazapine	4.607	107410	1954755.6	48.7	∞	845419	5.057 ng/ml
Mitragynine	5.203	19676	33035.2	29.2	9181.2	385242	4.738 ng/ml
Morphine	1.147	3378	1117.1	24.8	102.3	9453	4.943 ng/ml
Norbuprenorphine	4.932	311	5.2 <b>Low</b>	122.8 <b>High</b>	407.3	18385	0.275 ng/ml
Nordiazepam	5.845	18740	271466.2	61.0	22377.6	140460	5.030 ng/ml
Norfentanyl	4.029	1741	923.9	233.7	181.7	937270	0.520 ng/ml
Noroxycodone	2.809	25943	1383.6	50.8	758.2	171677	5.114 ng/ml
O-desmethyl-tramadol	3.302	129125	59229.5	6.5	656.8	972288	5.014 ng/ml
Oxazepam	5.703	37048	2993.3	71.2	321.9	396419	5.123 ng/ml
Oxycodone	2.732	62817	2576.0	29.3	873.8	434609	4.801 ng/ml
Phentermine	3.710	20221	62.2	13.4	96.1	510748	4.864 ng/ml
Promethazine	5.509	74021	8553.4	47.4	1603.5	809328	5.098 ng/ml
Pseudoephedrine	2.471	141991	2373.4	17.3	17621.6	1394832	5.071 ng/ml
Quetiapine	5.538	56150	∞	60.2	∞	159572	5.120 ng/ml
Sertraline	5.750	17274	∞	95.6	26891.3	138592	4.965 ng/ml
Temazepam	5.771	68895	12002.1	29.7	66.4	594866	4.954 ng/ml
Tramadol	4.188	125370	4198.4	4.0	58.9	1068420	4.916 ng/ml
Trazodone	5.182	73840	∞	79.6	174316.0	671562	4.766 ng/ml
Venlafaxine	4.986	72286	6401.2	40.0	513.9	1255885	5.286 ng/ml
Zolpidem	4.933	127837	54032.5	28.2	∞	1180057	5.087 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 10:52:39 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	2489	∞	140.7	5531.9	62664	0.999 ng/ml
7-aminoclonazepam	4.192	43173	1284.5	59.8	1247.1	167398	10.590 ng/ml
a-hydroxyalprazolam	5.649	8901	324.0	54.8	16890.9	573164	9.980 ng/ml
alpha-PHP	4.883	42761	1294.1	246.4	1448.3	549691	9.894 ng/ml
alpha-PVP	4.313	150673	11045.4	53.2	4613.5	549691	9.948 ng/ml
Alprazolam	5.723	71446	2183.7	93.5	4064.8	279497	10.098 ng/ml
Amphetamine	2.951	103439	4593.8	282.6	3131.7	485433	10.297 ng/ml
Buprenorphine	5.846	4980	1414.0	16.6	347.7	73114	0.973 ng/ml
Bupropion	4.738	120482	26485.9	77.7	1180.7	645533	9.685 ng/ml
Carisoprodol	5.678	38672	754751.3	87.7	654.1	177863	10.051 ng/ml
Citalopram	5.173	104320	2070.7	34.7	106837.0	457534	10.055 ng/ml
Clonazepam	5.555	44189	72057.0	34.5	32026.1	83963	9.713 ng/ml
Clonazolam	5.502	40406	6597.7	38.4	1959.3	83963	10.912 ng/ml
Cocaine	4.212	104022	242300.8	52.1	∞	827695	9.763 ng/ml
Codeine	2.483	14659	1603.2	89.8	1365.0	69085	10.439 ng/ml
Cyclobenzaprine	5.594	120854	278577.8	9.1	382.4	360141	9.517 ng/ml
Dextromethorphan	5.211	76597	224912.8	78.6	13900.8	320279	10.133 ng/ml
Dextrorphan	4.064	89360	4191.7	44.9	80884.6	408362	10.376 ng/ml
Diazepam	5.907	44202	3282.3	84.4	1707.3	203368	9.645 ng/ml
Dihydrocodeine	2.447	37344	624.5	60.5	1355.8	213934	10.344 ng/ml
Diphenhydramine	5.243	343430	5186.6	32.1	∞	1711141	9.989 ng/ml
Doxylamine	4.498	276167	33511.1	62.8	47060.1	1114475	10.008 ng/ml
EDDP	5.206	172856	4982.1	41.8	115108.4	843830	10.015 ng/ml
Etizolam	5.769	31039	49298.6	22.5	7271.0	203368	9.477 ng/ml
Fentanyl	5.063	12163	387.3	110.8	21606.5	620783	1.016 ng/ml
Flualprazolam	5.654	31267	∞	99.0	∞	279497	9.809 ng/ml
Fluoxetine	5.681	109457	8445.0	6.1	3950.6	373099	9.732 ng/ml
Hydrocodone	2.943	55376	1439.3	37.0	838.0	293791	10.669 ng/ml
Hydromorphone	1.518	41795	583.8	73.4	529.2	131974	9.723 ng/ml
Ketamine	4.008	97806	19452.5	37.9	436.8	487864	9.893 ng/ml
Lamotrigine	4.229	10138	2862.1	83.9	2105.5	177863	9.801 ng/ml
Levetiracetam	2.506	38978	1465.9	157.9	4501.9	1286032	9.196 ng/ml
Lorazepam	5.701	40894	∞	37.6	∞	365684	10.958 ng/ml

# AM #28 Multi-Drug Quant. Results

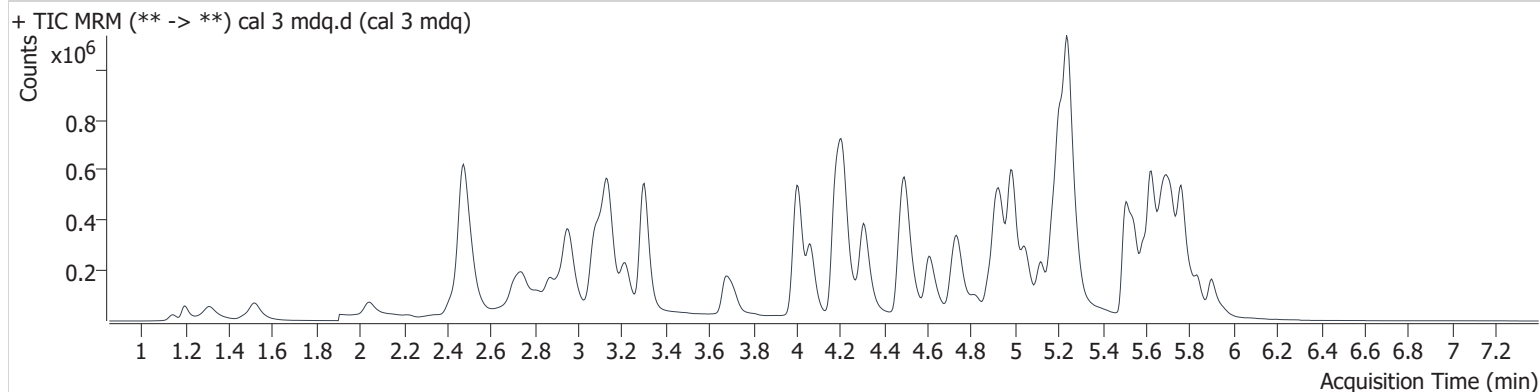
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	127495	2000.3	26.7	68.6	362182	10.074 ng/ml
MDMA	3.210	93164	∞	110.2	3157.7	96724	9.911 ng/ml
Meprobamate	4.822	40547	9367.3	35.6	138.1	107305	10.228 ng/ml
Methadone	5.623	164830	5628.5	65.0	7353.0	771533	9.888 ng/ml
Methamphetamine	3.135	400762	4276.5	38.9	940.9	877770	10.342 ng/ml
Metoprolol	4.270	25328	3919.0	96.1	∞	1286032	10.126 ng/ml
Mirtazapine	4.607	199872	43371.4	50.3	168959.5	771533	9.916 ng/ml
Mitragynine	5.198	38388	65989.2	29.8	11952.4	362182	10.676 ng/ml
Morphine	1.142	5692	1252.8	24.2	196.3	7923	10.160 ng/ml
Norbuprenorphine	4.927	571	28.3	135.0 <b>High</b>	1160.6	18064	0.625 ng/ml
Nordiazepam	5.845	35802	∞	61.1	∞	138063	9.824 ng/ml
Norfentanyl	4.023	2935	469.4	273.1	236.5	890638	0.929 ng/ml
Noroxycodone	2.814	45987	1558.7	52.5	1452.7	160027	9.642 ng/ml
O-desmethyl-tramadol	3.302	223341	36181.0	6.4	3020.1	890586	9.844 ng/ml
Oxazepam	5.703	65102	1370.1	71.0	229.2	365684	9.607 ng/ml
Oxycodone	2.737	114819	6644.4	29.4	2098.0	406989	10.443 ng/ml
Phentermine	3.710	35052	284.4	15.8	335.0	478781	9.954 ng/ml
Promethazine	5.509	138419	12618.7	48.8	2204.9	742854	9.886 ng/ml
Pseudoephedrine	2.476	255328	1951.9	17.7	4122.3	1286032	9.803 ng/ml
Quetiapine	5.543	100538	173868.6	56.8	80061.3	143492	9.762 ng/ml
Sertraline	5.750	33246	∞	98.4	13124.7	128243	10.064 ng/ml
Temazepam	5.766	134362	6256.4	26.5	448.3	573164	10.160 ng/ml
Tramadol	4.188	229569	11791.6	4.3	133.2	996607	10.101 ng/ml
Trazodone	5.182	136928	3970.1	79.6	76065.2	615180	10.475 ng/ml
Venlafaxine	4.986	133285	114333.3	39.1	569.8	1199108	9.376 ng/ml
Zolpidem	4.933	227166	13183.6	30.2	61206.0	1098577	9.748 ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
Calibration Last Update 9/9/2022 12:54:11 PM

Instrument 69679 Data File cal 3 mdq.d  
Type Cal Sample cal 3 mdq  
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord  
Sample Position P2-C1 Comment  
Injection Volume 3  
Acq. Date-Time 9/8/2022 11:01:42 AM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	6322	9189.9	124.8	25851.2	62191	2.671 ng/ml
7-aminoclonazepam	4.192	101205	2882.5	61.2	14585.5	159011	27.320 ng/ml
a-hydroxyalprazolam	5.644	24986	622.3	51.3	∞	573705	28.408 ng/ml
alpha-PHP	4.883	109765	2762.3	241.3	228367.9	562752	25.200 ng/ml
alpha-PVP	4.313	380885	9860.7	53.6	2834.9	562752	24.481 ng/ml
Alprazolam	5.723	177337	4092.8	90.2	1832.1	276184	24.587 ng/ml
Amphetamine	2.956	248738	5781.8	273.5	5761.0	482536	27.384 ng/ml
Buprenorphine	5.841	11371	∞	15.4	2944.3	71259	2.338 ng/ml
Bupropion	4.738	298433	13831.2	79.5	3609.7	648260	24.097 ng/ml
Carisoprodol	5.678	94187	61655.5	84.1	3407.5	178756	24.122 ng/ml
Citalopram	5.173	246672	14712.1	37.0	2928.6	444400	24.191 ng/ml
Clonazepam	5.555	109374	2005.6	34.3	∞	79846	24.549 ng/ml
Clonazepam	5.496	94308	17294.3	39.7	3601.4	79846	23.657 ng/ml
Cocaine	4.212	255670	61453.1	53.9	39401.8	831722	24.086 ng/ml
Codeine	2.488	36896	65836.6	88.5	3370.3	70621	27.577 ng/ml
Cyclobenzaprine	5.594	309068	∞	9.1	453.1	367629	24.336 ng/ml
Dextromethorphan	5.216	189404	15020.7	73.8	15511.5	314782	25.146 ng/ml
Dextrophan	4.064	221043	7423.1	45.7	∞	411532	24.802 ng/ml
Diazepam	5.907	108991	37946.9	83.5	5947.5	201408	24.580 ng/ml
Dihydrocodeine	2.452	90902	696.6	60.0	278.0	213836	26.310 ng/ml
Diphenhydramine	5.248	833779	15948.7	32.0	4206.3	1690182	24.066 ng/ml
Doxylamine	4.498	689167	27649.3	61.2	48611.2	1110766	24.504 ng/ml
EDDP	5.206	427929	31241.6	41.4	224540.7	823176	25.378 ng/ml
Etizolam	5.769	77358	∞	24.1	9031.3	201408	25.388 ng/ml
Fentanyl	5.063	30158	2202.8	115.9	∞	632114	2.437 ng/ml
Flualprazolam	5.654	74484	4423.2	102.6	56099.9	276184	24.701 ng/ml
Fluoxetine	5.681	274491	5283.9	6.5	32488.7	371828	24.656 ng/ml
Hydrocodone	2.943	133619	1727.4	37.0	1021.8	293877	27.017 ng/ml
Hydromorphone	1.523	106787	1999.8	70.3	682.1	128164	25.431 ng/ml
Ketamine	4.008	247850	20884.8	36.9	1102.3	486846	25.828 ng/ml
Lamotrigine	4.229	24710	3019.8	92.6	28703.6	178756	22.090 ng/ml
Levetiracetam	2.516	93680	3996.3	159.2	7318.7	1258024	25.231 ng/ml
Lorazepam	5.696	92818	∞	40.1	1783.5	353663	26.545 ng/ml

# AM #28 Multi-Drug Quant. Results

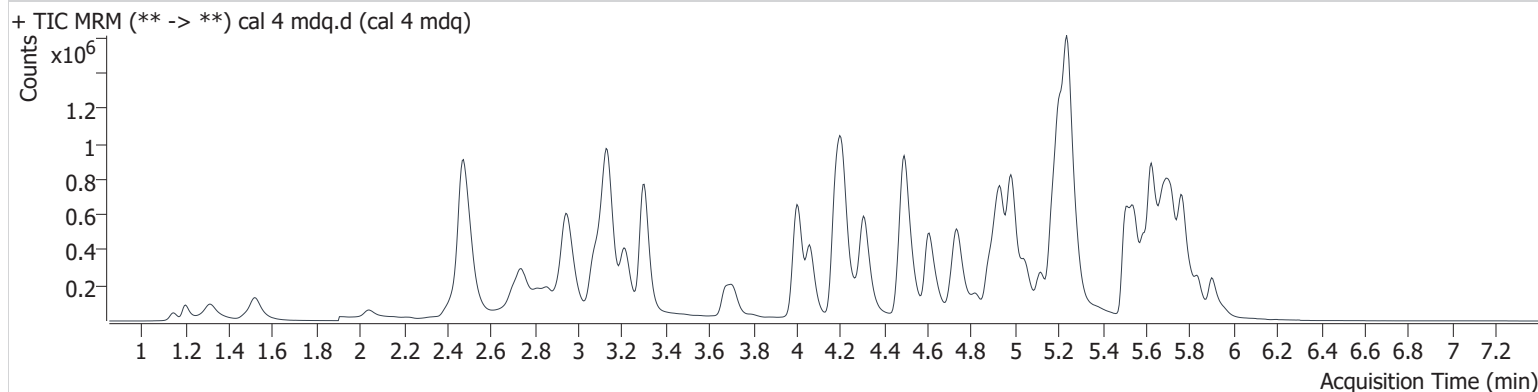
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	325656	4474.3	28.7	500.2	351895	28.262 ng/ml
MDMA	3.215	235540	∞	105.6	4541.4	98561	24.788 ng/ml
Meprobamate	4.827	98120	13637.0	36.9	599.1	99869	28.181 ng/ml
Methadone	5.623	413143	2790417.1	65.8	4069.3	779839	24.036 ng/ml
Methamphetamine	3.140	734949	4778.1	38.9	3414.8	878147	27.579 ng/ml
Metoprolol	4.275	62005	5522.1	97.7	∞	1258024	25.308 ng/ml
Mirtazapine	4.607	511312	51967.1	49.2	358005.5	779839	24.517 ng/ml
Mitragynine	5.198	88571	83389.2	31.2	∞	351895	26.430 ng/ml
Morphine	1.147	14169	4180.7	24.3	477.7	7987	25.415 ng/ml
Norbuprenorphine	4.937	1954	∞	88.8	2463.9	17005	2.610 ng/ml
Nordiazepam	5.845	89653	∞	60.5	36605.1	134348	25.362 ng/ml
Norfentanyl	4.029	7527	1292.1	258.7	1333.4	870551	2.454 ng/ml
Noroxycodone	2.820	119360	1659.3	48.3	1310.6	159345	24.984 ng/ml
O-desmethyl-tramadol	3.302	588272	55682.5	6.2	2546.3	929564	25.487 ng/ml
Oxazepam	5.703	161011	34381.5	68.2	1040.0	353663	24.304 ng/ml
Oxycodone	2.742	287368	7868.8	29.2	5573.5	426082	26.533 ng/ml
Phentermine	3.715	88154	6635.1	15.4	∞	469404	27.305 ng/ml
Promethazine	5.509	351673	268751.3	48.8	15566.2	763276	23.735 ng/ml
Pseudoephedrine	2.481	632007	5708.5	17.6	2866.8	1258024	24.665 ng/ml
Quetiapine	5.538	252847	77279.9	59.1	218768.0	141631	24.194 ng/ml
Sertraline	5.750	85403	∞	94.3	19871.7	128363	25.448 ng/ml
Temazepam	5.766	328139	120631.6	29.2	405.6	573705	24.976 ng/ml
Tramadol	4.193	578106	12410.8	3.6	248.8	1010920	25.771 ng/ml
Trazodone	5.182	339018	7715.5	76.3	18312.2	594709	28.091 ng/ml
Venlafaxine	4.986	351422	11545.5	37.8	2010.3	1196130	23.317 ng/ml
Zolpidem	4.933	578111	142192.8	29.1	31463.0	1114032	24.524 ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
Calibration Last Update 9/9/2022 12:54:11 PM

Instrument 69679 Data File cal 4 mdq.d  
Type Cal Sample cal 4 mdq  
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord  
Sample Position P2-D1 Comment  
Injection Volume 3  
Acq. Date-Time 9/8/2022 11:10:44 AM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	12250	79349.3	135.3	34786.7	61363	5.317 ng/ml
7-aminoclonazepam	4.192	219605	12049.6	63.8	1166.4	184771	51.717 ng/ml
a-hydroxyalprazolam	5.644	46522	2517.4	48.9	2882.3	535251	56.923 ng/ml
alpha-PHP	4.883	225199	4930.2	251.9	21306.3	573452	50.999 ng/ml
alpha-PVP	4.313	786071	176047.1	53.5	8139.0	573452	49.522 ng/ml
Alprazolam	5.723	333394	∞	91.4	6981.0	266190	47.472 ng/ml
Amphetamine	2.951	491088	8081.0	272.4	6839.3	503535	53.365 ng/ml
Buprenorphine	5.846	23809	6191.2	15.4	24886.2	66657	5.288 ng/ml
Bupropion	4.738	639905	46885.8	75.7	10960.6	668904	50.227 ng/ml
Carisoprodol	5.678	177765	329772.2	82.7	1945.6	166627	48.672 ng/ml
Citalopram	5.173	520746	12351.1	35.0	110548.8	441560	51.171 ng/ml
Clonazepam	5.555	233726	304750.6	35.5	420146.5	82154	50.495 ng/ml
Clonazepam	5.496	195973	17664.0	36.8	64089.5	82154	45.586 ng/ml
Cocaine	4.212	534889	1192593.6	50.5	∞	820357	51.248 ng/ml
Codeine	2.478	71901	27673.3	89.8	10683.4	71614	54.177 ng/ml
Cyclobenzaprine	5.594	617210	877269.9	9.2	1677.6	353967	50.826 ng/ml
Dextromethorphan	5.216	381155	12991.4	74.7	172421.9	323958	48.952 ng/ml
Dextrophan	4.064	450641	∞	44.1	605272.7	417294	49.402 ng/ml
Diazepam	5.907	220514	∞	87.0	∞	201109	50.196 ng/ml
Dihydrocodeine	2.442	193446	1648.5	61.3	1284.2	228771	53.106 ng/ml
Diphenhydramine	5.243	1725137	447106.7	30.7	189330.5	1711448	48.826 ng/ml
Doxylamine	4.498	1432965	28952.9	67.1	44350.0	1138175	49.343 ng/ml
EDDP	5.206	804663	195024.2	41.9	718307.4	802190	48.944 ng/ml
Etizolam	5.769	162064	1600485.2	24.5	3559.8	201109	54.380 ng/ml
Fentanyl	5.063	61609	∞	116.7	107724.9	638833	4.899 ng/ml
Flualprazolam	5.654	153191	∞	101.3	4199.7	266190	53.556 ng/ml
Fluoxetine	5.681	478485	1418264.0	6.4	∞	307616	52.075 ng/ml
Hydrocodone	2.943	272200	4991.1	36.5	4712.8	295633	55.641 ng/ml
Hydromorphone	1.523	242094	2448.5	70.5	926.6	147170	50.119 ng/ml
Ketamine	4.008	504197	12778.5	37.3	2210.8	492510	52.401 ng/ml
Lamotrigine	4.224	49243	3773.9	86.7	88341.2	166627	45.887 ng/ml
Levetiracetam	2.506	215284	10184.0	155.8	7380.9	1309884	57.872 ng/ml
Lorazepam	5.696	166243	1497.2	39.0	33707.2	315784	53.864 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	636968	86916.2	26.0	485.1	358840	55.211 ng/ml
MDMA	3.215	496678	53806.3	105.0	8619.6	100263	51.526 ng/ml
Meprobamate	4.827	196369	2583.0	34.2	3045.7	105135	54.467 ng/ml
Methadone	5.623	854349	6545103.4	63.6	9126.3	801321	48.042 ng/ml
Methamphetamine	3.140	1368986	3520.8	38.9	3814.9	929973	56.361 ng/ml
Metoprolol	4.275	128638	12205.7	96.8	10882.7	1309884	50.404 ng/ml
Mirtazapine	4.607	1054037	83174.1	48.3	405681.1	801321	48.805 ng/ml
Mitragynine	5.198	175698	8742.3	29.0	∞	358840	52.156 ng/ml
Morphine	1.147	31404	11477.6	23.2	2574.5	8935	50.569 ng/ml
Norbuprenorphine	4.942	3301	∞	97.4	5272.5	16651	4.595 ng/ml
Nordiazepam	5.845	172261	∞	63.4	∞	130718	50.135 ng/ml
Norfentanyl	4.029	15367	4518.8	262.3	1405.6	888645	4.918 ng/ml
Noroxycodone	2.814	241415	2624.8	48.2	1264.9	165197	48.653 ng/ml
O-desmethyl-tramadol	3.302	1199235	734871.2	6.3	11743.3	962624	50.582 ng/ml
Oxazepam	5.703	297029	23192.9	69.1	20823.7	315784	50.033 ng/ml
Oxycodone	2.737	562048	12015.7	29.9	11475.1	424485	53.175 ng/ml
Phentermine	3.710	186325	2027.3	13.2	22463.6	496965	55.640 ng/ml
Promethazine	5.509	683387	3831602.4	49.2	4523.6	719725	48.402 ng/ml
Pseudoephedrine	2.476	1318529	41085.0	17.2	41211.3	1309884	49.328 ng/ml
Quetiapine	5.538	520793	863600.9	59.8	27319.8	147373	47.463 ng/ml
Sertraline	5.750	141408	155556.1	94.5	9232.6	108174	49.765 ng/ml
Temazepam	5.771	616243	170547.6	28.2	2309.7	535251	50.405 ng/ml
Tramadol	4.188	1178450	30661.0	3.6	761.1	1034936	51.778 ng/ml
Trazodone	5.177	654361	482781.8	78.4	401239.6	650849	50.161 ng/ml
Venlafaxine	4.986	706644	28378.7	39.3	7074.3	1205670	45.627 ng/ml
Zolpidem	4.933	1171793	∞	28.4	804818.1	1118554	49.548 ng/ml

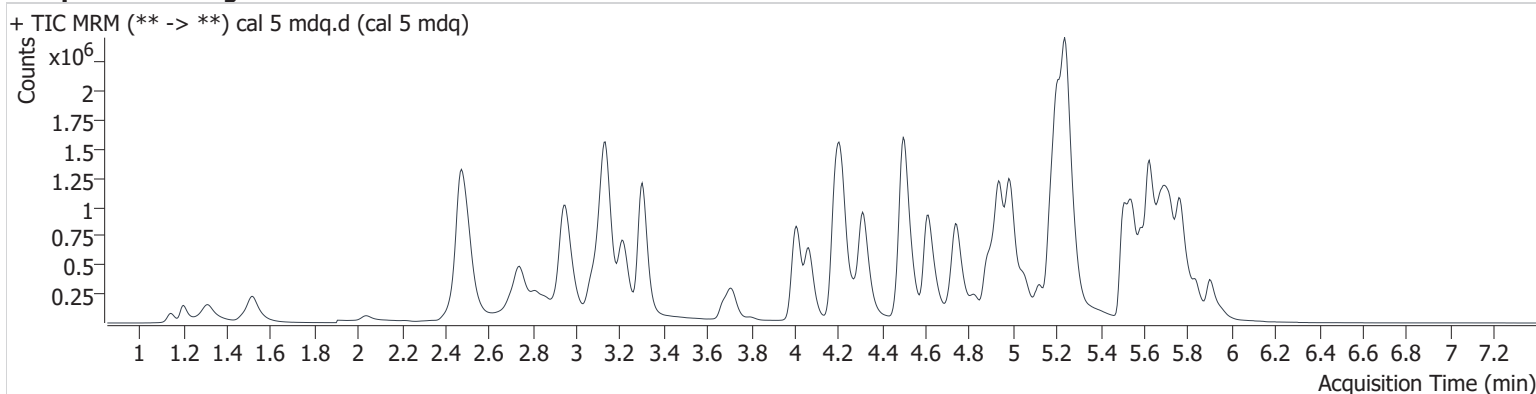


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 5 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 5 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 11:19:47 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	23375	43908.5	140.1	64748.5	63397	9.883 ng/ml
7-aminoclonazepam	4.192	360000	12736.7	65.5	1515.8	160112	98.558 ng/ml
a-hydroxyalprazolam	5.644	79998	1555.8	51.2	∞	497235	105.565 ng/ml
alpha-PHP	4.883	443503	16643.6	251.5	15920.8	573719	100.642 ng/ml
alpha-PVP	4.318	1526047	57573.8	54.0	219042.4	573719	96.042 ng/ml
Alprazolam	5.723	640166	3626.2	89.5	∞	238407	101.187 ng/ml
Amphetamine	2.951	892288	83319.1	265.5	172589.0	499897	99.114 ng/ml
Buprenorphine	5.846	48652	∞	15.9	10639.8	70572	10.247 ng/ml
Bupropion	4.743	1238825	46362.5	76.9	20140.0	646170	100.800 ng/ml
Carisoprodol	5.678	316097	∞	81.6	4192.2	143884	100.051 ng/ml
Citalopram	5.173	938476	47952.2	37.7	126815.1	410321	99.053 ng/ml
Clonazepam	5.560	405273	112333.8	33.9	953118.3	73959	96.836 ng/ml
Clonazepam	5.496	345772	54295.8	37.3	47079.9	73959	87.280 ng/ml
Cocaine	4.217	1023567	69896.7	51.1	81413.7	796903	101.094 ng/ml
Codeine	2.483	127818	163325.6	90.4	11610.9	66687	104.589 ng/ml
Cyclobenzaprine	5.594	1219710	1022943.5	8.9	87225.8	354364	100.648 ng/ml
Dextromethorphan	5.216	702226	3923509.1	77.2	∞	302662	96.311 ng/ml
Dextrorphan	4.064	868332	1446916.6	46.3	765100.5	412969	95.754 ng/ml
Diazepam	5.907	421913	6958.4	85.2	18543.7	192382	100.779 ng/ml
Dihydrocodeine	2.442	362796	844.4	60.8	6497.5	221498	103.597 ng/ml
Diphenhydramine	5.248	3301908	238097.8	30.7	39635.3	1643471	96.987 ng/ml
Doxylamine	4.503	2920778	68275.2	67.3	454915.7	1190778	95.782 ng/ml
EDDP	5.206	1623127	173354.8	42.8	∞	812805	97.414 ng/ml
Etizolam	5.769	295750	648211.7	24.3	∞	192382	104.660 ng/ml
Fentanyl	5.063	123618	21762.1	119.8	158105.5	649197	9.647 ng/ml
Flualprazolam	5.654	269511	12468.2	102.8	2203.3	238407	105.921 ng/ml
Fluoxetine	5.681	885842	72460.0	6.6	251144.7	299977	98.962 ng/ml
Hydrocodone	2.943	494989	3253.6	37.9	1165.0	289267	104.188 ng/ml
Hydromorphone	1.518	469106	1009.7	72.8	510.3	148036	96.462 ng/ml
Ketamine	4.013	963003	230399.1	37.2	5193.4	485050	102.055 ng/ml
Lamotrigine	4.229	88936	325441.4	87.5	6820.7	143884	94.689 ng/ml
Levetiracetam	2.511	395985	8665.2	159.0	20638.9	1253336	112.918 ng/ml
Lorazepam	5.696	257862	∞	42.9	∞	264338	100.335 ng/ml



# AM #28 Multi-Drug Quant. Results

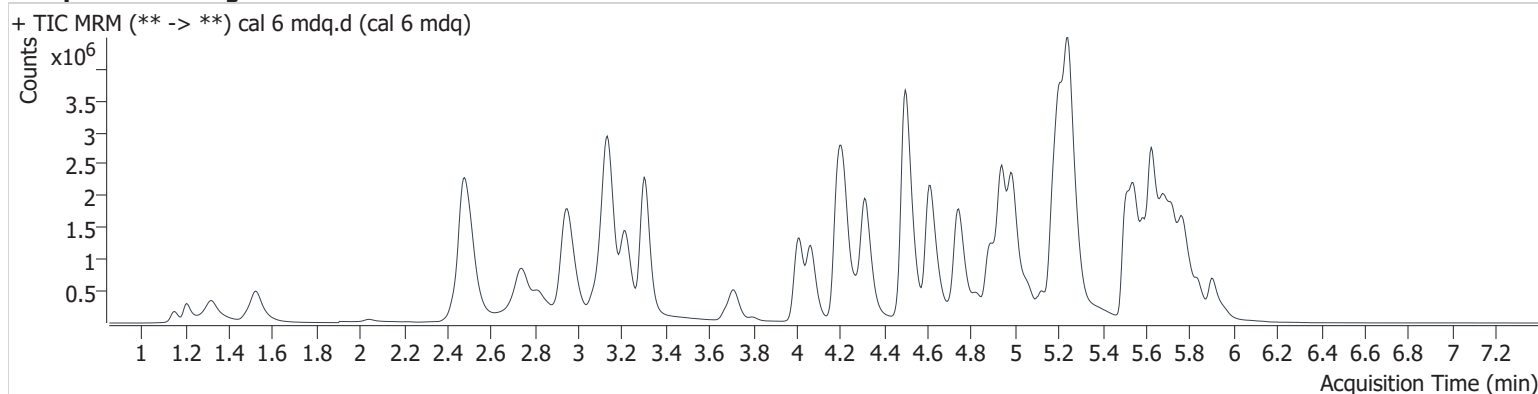
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.113	1121055	14354.1	25.8	818.2	334969	105.061 ng/ml
MDMA	3.215	954945	824351.5	104.0	1884059.0	97835	101.655 ng/ml
Meprobamate	4.827	354383	4606.2	34.0	1682.5	98344	106.004 ng/ml
Methadone	5.623	1690596	677917.5	61.3	1058863.7	781205	97.177 ng/ml
Methamphetamine	3.135	2290349	14580.3	40.0	21687.7	930026	101.252 ng/ml
Metoprolol	4.275	244216	391222.0	94.9	∞	1253336	99.986 ng/ml
Mirtazapine	4.612	2056163	249306.3	48.8	220068.2	781205	97.278 ng/ml
Mitragynine	5.198	333403	19537.8	29.9	70752.2	334969	106.834 ng/ml
Morphine	1.142	64312	18762.1	23.6	4373.5	9362	99.042 ng/ml
Norbuprenorphine	4.942	6723	14284.4	94.9	12791.4	16020	9.868 ng/ml
Nordiazepam	5.845	315494	∞	61.9	638169.1	120831	99.384 ng/ml
Norfentanyl	4.029	29745	1357.0	257.9	2380.1	827795	10.230 ng/ml
Noroxycodone	2.814	444900	11847.6	48.5	2240.8	152438	97.074 ng/ml
O-desmethyl-tramadol	3.302	2400370	398952.7	6.3	59564.9	977415	100.124 ng/ml
Oxazepam	5.703	494615	37137.9	68.3	1956.4	264338	99.362 ng/ml
Oxycodone	2.737	1082075	∞	31.0	299992.6	427624	102.649 ng/ml
Phentermine	3.715	341578	62698.1	14.0	1730.0	484524	105.616 ng/ml
Promethazine	5.509	1432266	∞	45.8	36177.5	748503	97.051 ng/ml
Pseudoephedrine	2.476	2523451	239365.5	17.3	11546.3	1253336	98.573 ng/ml
Quetiapine	5.543	982859	737255.8	59.1	486393.1	135364	97.058 ng/ml
Sertraline	5.750	251189	360713.5	91.8	74137.2	92936	102.634 ng/ml
Temazepam	5.771	1157513	23401.4	28.5	6242.1	497235	102.050 ng/ml
Tramadol	4.193	2302569	70216.8	3.6	1984.0	1002167	104.953 ng/ml
Trazodone	5.182	1276250	227002.0	78.7	173504.5	628702	102.102 ng/ml
Venlafaxine	4.991	1379030	61689.6	40.8	4798.3	1194091	89.040 ng/ml
Zolpidem	4.938	2353597	156202.5	27.4	∞	1127300	98.788 ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
Calibration Last Update 9/9/2022 12:54:11 PM

Instrument 69679 Data File cal 6 mdq.d  
Type Cal Sample cal 6 mdq  
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord  
Sample Position P2-F1 Comment  
Injection Volume 3  
Acq. Date-Time 9/8/2022 11:28:49 AM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	58312	49304.6	135.6	38851.4	63228	24.830 ng/ml
7-aminoclonazepam	4.192	682837	8166.6	71.4	5883.1	137201	219.139 ng/ml
a-hydroxyalprazolam	5.644	126740	5656.1	54.1	929.5	382835	217.466 ng/ml
alpha-PHP	4.889	1045331	22729.3	251.4	48175.5	528320	258.000 ng/ml
alpha-PVP	4.320	3679418	160392.3	52.8	12951.7	528320	251.369 ng/ml
Alprazolam	5.723	1325651	10596.2	90.3	7931.9	195104	255.259 ng/ml
Amphetamine	2.951	1785649	58900.8	259.0	79446.4	468874	213.447 ng/ml
Buprenorphine	5.846	119362	55873.3	15.4	14036.0	71531	24.865 ng/ml
Bupropion	4.743	3097805	47552.0	74.8	36164.9	644378	252.976 ng/ml
Carisoprodol	5.678	578987	20888504.5	78.6	7069.9	102526	256.928 ng/ml
Citalopram	5.173	1941803	43533.3	37.7	38029.2	336856	249.343 ng/ml
Clonazepam	5.560	745524	∞	32.7	∞	53536	245.390 ng/ml
Clonazepam	5.496	693076	∞	38.2	48106.3	53536	237.886 ng/ml
Cocaine	4.217	2239052	779340.7	50.4	114248.3	710285	248.318 ng/ml
Codeine	2.483	247500	6791.9	92.4	5286.0	56425	241.001 ng/ml
Cyclobenzaprine	5.594	2668459	531933.5	9.0	8066.3	311526	250.963 ng/ml
Dextromethorphan	5.216	1448742	166952.7	76.4	1258612.1	236703	253.689 ng/ml
Dextrophan	4.064	2034701	212690.8	44.9	∞	373905	247.086 ng/ml
Diazepam	5.907	963479	∞	86.4	∞	176999	250.704 ng/ml
Dihydrocodeine	2.442	815683	1084.8	62.0	9590.9	214796	241.214 ng/ml
Diphenhydramine	5.248	7534852	230282.3	30.9	232388.3	1475700	245.968 ng/ml
Doxylamine	4.498	7488182	646776.7	69.1	79828.3	1130164	258.107 ng/ml
EDDP	5.211	3713294	173445.3	43.2	2965637.4	711823	254.434 ng/ml
Etizolam	5.769	644102	16432.1	25.6	150500.3	176999	249.131 ng/ml
Fentanyl	5.063	309035	35282.0	121.7	9096283.3	653226	23.929 ng/ml
Flualprazolam	5.654	553420	82951.0	98.8	∞	195104	266.902 ng/ml
Fluoxetine	5.681	1833283	302118.7	6.8	83724.8	244667	251.275 ng/ml
Hydrocodone	2.943	1097820	5787.6	37.1	11017.6	282102	238.099 ng/ml
Hydromorphone	1.523	1201134	2943.4	73.2	6633.5	144719	252.501 ng/ml
Ketamine	4.013	2257700	334277.6	37.0	17932.7	458352	253.877 ng/ml
Lamotrigine	4.234	172055	40868.1	87.3	7096.5	102526	255.060 ng/ml
Levetiracetam	2.516	765383	7968023320 59825.0	156.9	38270.6	1072337	257.373 ng/ml

# AM #28 Multi-Drug Quant. Results

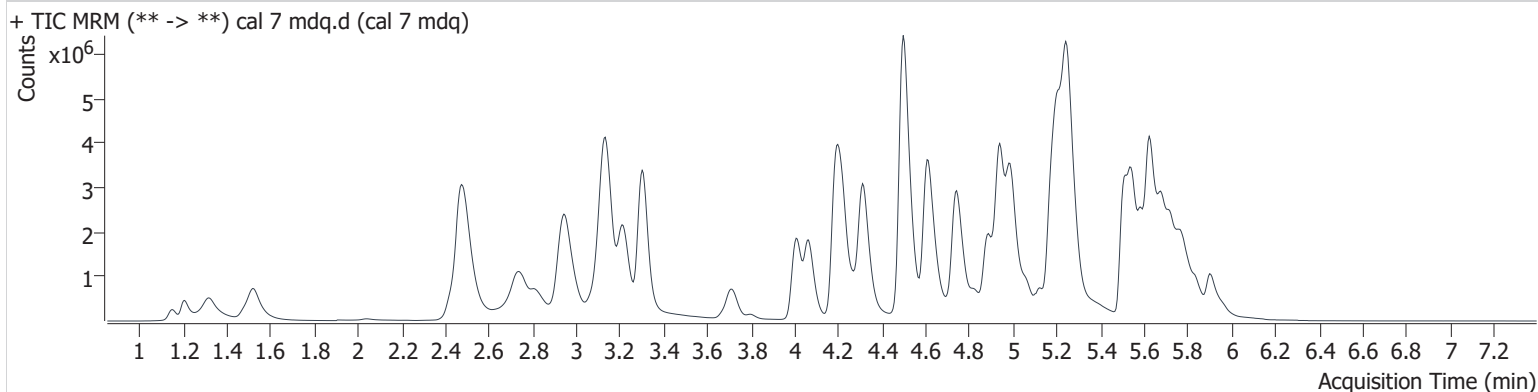
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.701	351934	∞	41.9	7348.6	150369	241.589 ng/ml
MDA	3.108	2012373	40659.5	25.8	502.4	276546	229.715 ng/ml
MDMA	3.215	2113855	164125.4	105.0	80889.2	87870	250.740 ng/ml
Meprobamate	4.827	747860	136218.0	33.5	4600.1	97218	227.417 ng/ml
Methadone	5.629	4086083	84162.8	60.7	407619.1	736569	248.596 ng/ml
Methamphetamine	3.141	4957580	35996.8	38.7	34510.7	917916	234.402 ng/ml
Metoprolol	4.275	534587	64497.1	95.0	∞	1072337	255.776 ng/ml
Mirtazapine	4.614	5010492	289151.3	48.4	401512.1	736569	250.812 ng/ml
Mitragynine	5.198	677946	9430.2	31.2	229383.8	276546	264.279 ng/ml
Morphine	1.152	153897	31361.5	23.6	11209.6	9415	235.982 ng/ml
Norbuprenorphine	4.937	14371	∞	98.9	53060.3	14169	24.031 ng/ml
Nordiazepam	5.845	685210	∞	61.2	∞	104242	250.279 ng/ml
Norfentanyl	4.034	61125	4705.3	265.8	15962.3	697763	24.953 ng/ml
Noroxycodone	2.814	902409	518.7	47.2	2104.2	130331	230.169 ng/ml
O-desmethyl-tramadol	3.302	5701658	306999.0	6.1	146565.4	926685	251.484 ng/ml
Oxazepam	5.703	725794	13061.4	73.3	4762.4	150369	256.046 ng/ml
Oxycodone	2.737	2302364	∞	29.9	128220.1	402440	233.498 ng/ml
Phentermine	3.715	737931	∞	12.9	5589.5	477992	232.632 ng/ml
Promethazine	5.515	3512433	636186.0	46.0	59329.2	707291	251.103 ng/ml
Pseudoephedrine	2.481	5508743	58874.9	16.9	40166.9	1072337	251.365 ng/ml
Quetiapine	5.543	2257804	687177.8	58.5	∞	120237	250.317 ng/ml
Sertraline	5.750	490226	760722.9	98.7	56806.4	76270	243.737 ng/ml
Temazepam	5.771	2149023	∞	28.9	∞	382835	246.263 ng/ml
Tramadol	4.193	5123500	271918.0	3.6	4028.7	926532	253.257 ng/ml
Trazodone	5.182	2634846	163875.2	81.1	180880.3	625111	212.874 ng/ml
Venlafaxine	4.991	3530351	117182.1	37.9	14996.1	1080337	250.313 ng/ml
Zolpidem	4.938	5557237	1933046.9	28.6	1947092.5	1044307	251.856 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	9/8/2022 11:37:52 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	98148	35918.3	134.5	26346.8	53716	49.266 ng/ml
7-aminoclonazepam	4.187	926217	9761.6	69.3	4341.7	108651	375.928 ng/ml
a-hydroxyalprazolam	5.639	148137	993.1	50.9	1796.5	231694	420.205 ng/ml
alpha-PHP	4.889	1690270	13337.6	252.5	10367.0	439363	501.888 ng/ml
alpha-PVP	4.313	6236680	615934.8	52.1	54564.8	439363	512.282 ng/ml
Alprazolam	5.723	1871849	2755.6	91.5	8950.2	143980	487.942 ng/ml
Amphetamine	2.951	2558977	48134.4	258.6	72196.1	411520	349.622 ng/ml
Buprenorphine	5.846	205534	∞	15.2	14867.7	63339	48.395 ng/ml
Bupropion	4.743	5434852	1040599.2	72.9	215808.3	557673	512.975 ng/ml
Carisoprodol	5.678	741951	1413364.7	72.6	21667.8	62357	541.150 ng/ml
Citalopram	5.167	2768287	33957.6	39.0	58686.5	236633	505.817 ng/ml
Clonazepam	5.560	933223	20575.8	33.0	∞	33742	486.911 ng/ml
Clonazepam	5.491	975967	348277.6	37.2	42816.9	33742	528.835 ng/ml
Cocaine	4.217	3522677	114582.2	51.2	514204.5	565157	491.139 ng/ml
Codeine	2.478	350987	22467.5	94.6	28985.6	42208	458.042 ng/ml
Cyclobenzaprine	5.594	4235794	1541715.6	8.7	91913.0	241275	514.702 ng/ml
Dextromethorphan	5.216	2144113	∞	75.9	32247.3	178260	498.327 ng/ml
Dextrophan	4.064	3397887	137370.2	44.9	73605.7	315278	488.906 ng/ml
Diazepam	5.907	1623341	25288.7	86.2	12322.3	145348	514.789 ng/ml
Dihydrocodeine	2.432	1292436	2025.5	61.1	1532.5	185991	442.040 ng/ml
Diphenhydramine	5.254	12284110	∞	29.4	205318.4	1139229	519.068 ng/ml
Doxylamine	4.498	13350996	278020.8	70.8	205163.1	1014076	512.506 ng/ml
EDDP	5.211	6007630	178823.8	43.2	6888986.1	589962	496.644 ng/ml
Etizolam	5.769	1018744	36978.8	24.0	∞	145348	480.783 ng/ml
Fentanyl	5.063	597105	49995.4	116.7	∞	588230	51.314 ng/ml
Flualprazolam	5.654	772044	7224748987 22720.0	93.9	80525.8	143980	505.213 ng/ml
Fluoxetine	5.681	2939492	82520.0	6.6	323505.9	197732	498.637 ng/ml
Hydrocodone	2.938	1716262	∞	38.1	181530.6	228377	460.640 ng/ml
Hydromorphone	1.523	1901377	2951.9	73.6	3716.4	114777	503.884 ng/ml
Ketamine	4.008	3743888	444429.7	36.3	13586.4	392807	491.674 ng/ml
Lamotrigine	4.234	232018	16376.7	87.1	4282.0	62357	564.082 ng/ml
Levetiracetam	2.511	1005845	38384.1	156.5	116086.1	827172	439.754 ng/ml

# AM #28 Multi-Drug Quant. Results

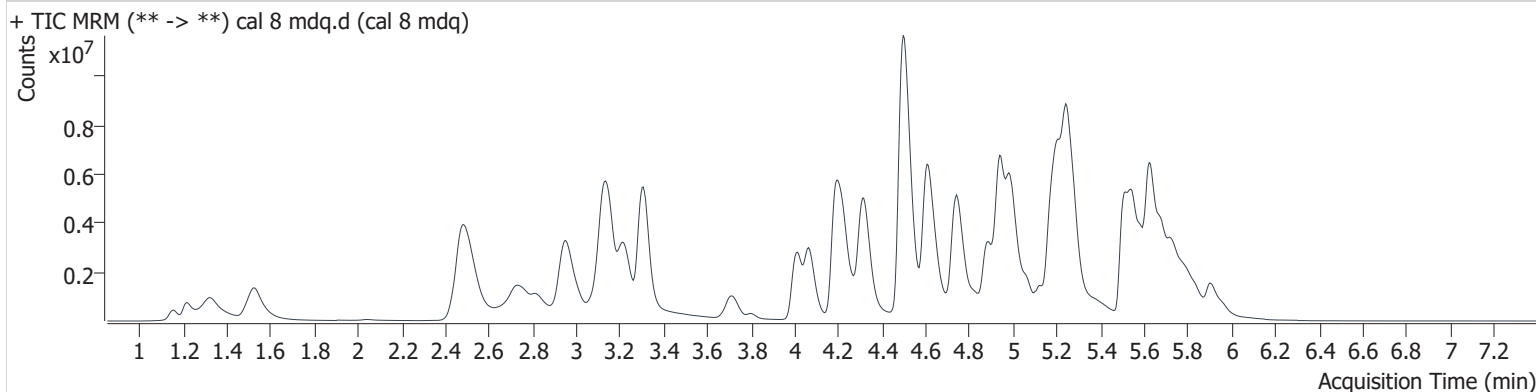
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.696	296030	∞	45.3	55187.7	73970	413.535 ng/ml
MDA	3.103	2625578	52200.5	27.4	1941.8	200667	413.916 ng/ml
MDMA	3.215	3357906	126380.6	100.2	81370.0	70420	497.140 ng/ml
Meprobamate	4.832	1100585	207258.4	32.7	4309.3	77968	418.133 ng/ml
Methadone	5.623	7087486	118591.3	57.2	206211.4	614067	516.869 ng/ml
Methamphetamine	3.139	7790533	∞	38.2	17764.8	826623	416.739 ng/ml
Metoprolol	4.275	804803	∞	94.8	∞	827172	499.170 ng/ml
Mirtazapine	4.612	8492046	661436.6	47.6	236853.2	614067	509.499 ng/ml
Mitragynine	5.198	848431	46869.5	34.0	∞	200667	456.369 ng/ml
Morphine	1.152	256253	21829.9	20.4	4080.8	6974	530.722 ng/ml
Norbuprenorphine	4.948	23513	34104.8	93.2	60377.0	10490	53.263 ng/ml
Nordiazepam	5.845	1011303	∞	61.5	1736928.7	76787	501.510 ng/ml
Norfentanyl	4.029	90950	23586.2	273.8	49441.0	527446	49.126 ng/ml
Noroxycodone	2.814	1300864	∞	47.1	∞	83093	520.310 ng/ml
O-desmethyl-tramadol	3.302	9494658	∞	6.0	∞	787817	493.007 ng/ml
Oxazepam	5.703	728773	323.5	67.0	12956.2	73970	522.461 ng/ml
Oxycodone	2.732	3588951	∞	29.8	24373.5	322592	455.138 ng/ml
Phentermine	3.715	1152971	6744.7	11.4	68955.7	414494	420.062 ng/ml
Promethazine	5.509	6390676	152938.9	42.3	77858.3	620730	520.060 ng/ml
Pseudoephedrine	2.476	8541282	177516.6	16.7	13752.9	827172	505.163 ng/ml
Quetiapine	5.543	3609088	∞	58.9	∞	94701	507.574 ng/ml
Sertraline	5.744	863105	1072412.0	92.1	35631.1	65499	499.440 ng/ml
Temazepam	5.781	2631883	197732.8	29.6	10622.5	231694	498.468 ng/ml
Tramadol	4.188	8282835	17463.2	3.4	18322.1	758738	500.424 ng/ml
Trazodone	5.182	3845498	∞	79.9	1105118.6	580633	334.946 ng/ml
Venlafaxine	4.991	6100331	603673.6	37.7	42178.5	864905	539.235 ng/ml
Zolpidem	4.938	9459268	529554.5	27.8	86206.8	875666	511.300 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\090822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 9/9/2022 12:54:11 PM

**Instrument** 69679 **Data File** cal 8 mdq.d  
**Type** Cal **Sample** cal 8 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-H1 **Comment**  
**Injection Volume** 3  
**Acq. Date-Time** 9/8/2022 11:55:51 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	205239	24479.5	138.2	∞	60146	92.070 ng/ml
7-aminoclonazepam	4.187	867889	2511.3	73.1	2411.8	71261	537.426 ng/ml
a-hydroxyalprazolam	5.639	135512	476.3	52.3	4772.8	140049	636.048 ng/ml
alpha-PHP	4.883	2898505	22822.8	257.5	61886.5	402618	939.421 ng/ml
alpha-PVP	4.318	11557230	603679.0	51.1	95236.9	402618	1035.896 ng/ml
Alprazolam	5.723	2870976	48935.5	91.2	5552.0	102953	1046.036 ng/ml
Amphetamine	2.956	3453246	33521.1	250.6	445342.4	402465	483.079 ng/ml
Buprenorphine	5.846	440348	490807.5	15.5	129064.0	64811	101.378 ng/ml
Bupropion	4.746	10520186	698677.8	70.6	81166.1	556285	995.572 ng/ml
Carisoprodol	5.678	793699	944890.8	74.8	34657.1	38397	940.013 ng/ml
Citalopram	5.167	3947158	38010.4	39.4	30371.0	170267	1002.138 ng/ml
Clonazepam	5.566	894612	∞	31.6	∞	14384	1094.415 ng/ml
Clonazepam	5.491	1094305	∞	37.4	103494.0	14384	1387.513 ng/ml
Cocaine	4.222	6062692	250569.6	47.7	227617.1	462710	1032.581 ng/ml
Codeine	2.493	532428	449490.7	93.9	33258.5	32826	894.632 ng/ml
Cyclobenzaprine	5.594	6226288	258618.2	8.7	98845.1	184170	991.463 ng/ml
Dextromethorphan	5.216	2955642	56585.3	77.0	32276.3	122143	1002.318 ng/ml
Dextrorphan	4.069	6242555	∞	44.1	307527.5	277914	1018.472 ng/ml
Diazepam	5.907	2811593	∞	84.5	17709.2	131193	988.153 ng/ml
Dihydrocodeine	2.447	2078292	6348.0	62.3	712.4	203864	648.861 ng/ml
Diphenhydramine	5.254	19677248	6752648.6	29.0	∞	894548	1058.546 ng/ml
Doxylamine	4.498	27003727	2948712.6	75.3	1112635.8	1039492	1010.892 ng/ml
EDDP	5.211	12051460	274223.3	42.3	∞	576174	1020.097 ng/ml
Etizolam	5.769	1780149	20302.3	24.1	16667.2	131193	931.713 ng/ml
Fentanyl	5.068	1264476	366448.2	123.9	3236163.8	637654	100.218 ng/ml
Flualprazolam	5.654	897034	∞	95.8	3682.6	102953	821.394 ng/ml
Fluoxetine	5.686	4018404	1044889.0	6.6	174124.3	135534	994.586 ng/ml
Hydrocodone	2.943	3363569	∞	37.8	∞	233267	884.680 ng/ml
Hydromorphone	1.523	3836983	1725.1	73.4	3572.8	115078	1014.087 ng/ml
Ketamine	4.013	6510036	10159491.3	36.3	81108.8	366405	916.945 ng/ml
Lamotrigine	4.240	274124	14761.3	86.3	18012.5	38397	1081.249 ng/ml
Levetiracetam	2.526	1503026	70253.7	159.4	76482.4	634749	858.040 ng/ml
Lorazepam	5.696	264524	∞	45.3	10902.9	26452	1034.249 ng/ml





# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.103	3171127	177538.0	26.2	268.0	156842	640.203 ng/ml
MDMA	3.215	5373476	218864.9	101.9	561938.9	57721	970.694 ng/ml
Meprobamate	4.832	1601740	86033.2	32.2	3340.7	69102	687.252 ng/ml
Methadone	5.629	13286229	468797.7	54.7	57948.0	555364	1070.991 ng/ml
Methamphetamine	3.142	12702670	∞	37.2	∞	915111	618.691 ng/ml
Metoprolol	4.275	1182209	149841.7	94.3	∞	634749	955.516 ng/ml
Mirtazapine	4.607	15761995	982565.7	47.3	534828.0	555364	1045.236 ng/ml
Mitragynine	5.192	1228871	114696.3	34.9	470642.4	156842	846.376 ng/ml
Morphine	1.157	498603	77084.4	23.4	9751.3	7414	971.537 ng/ml
Norbuprenorphine	4.948	32843	39709.2	93.5	29903.9	7631	102.384 ng/ml
Nordiazepam	5.845	1405683	35521.2	60.9	∞	53716	996.542 ng/ml
Norfentanyl	4.034	131960	55806.5	259.6	41461.9	353890	106.246 ng/ml
Noroxycodone	2.820	1937548	∞	46.7	580103.4	58083	1108.552 ng/ml
O-desmethyl-tramadol	3.307	17820184	643515.3	5.8	140595.2	737738	988.544 ng/ml
Oxazepam	5.703	488488	12496.7	71.5	9757.9	26452	979.144 ng/ml
Oxycodone	2.716	5829685	∞	29.6	21699.9	323383	738.188 ng/ml
Phentermine	3.715	1864174	50745.9	12.0	14251.3	438041	643.265 ng/ml
Promethazine	5.509	11394378	∞	40.4	∞	543149	1059.196 ng/ml
Pseudoephedrine	2.486	13375707	131319.3	16.5	62636.0	634749	1030.811 ng/ml
Quetiapine	5.548	5980730	5041446.3	59.3	6883497.0	69761	1141.281 ng/ml
Sertraline	5.744	1203348	641100.4	94.8	471213.6	46184	987.295 ng/ml
Temazepam	5.797	3138794	39033.0	29.0	3742.1	140049	983.614 ng/ml
Tramadol	4.188	14297902	∞	3.4	8658.5	747626	877.028 ng/ml
Trazodone	5.177	4535898	928853.1	85.7	11369190.3	642897	356.869 ng/ml
Venlafaxine	4.991	11518792	2850635.9	36.3	36640.8	739423	1189.907 ng/ml
Zolpidem	4.943	17135707	1599086.1	28.3	245302.7	796809	1017.939 ng/ml