



3/31/2022

**Worklist: 5729**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2022-0544	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0553	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0567	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0606	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0614	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0622	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0636	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0638	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2022-0644	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

REVIEWED

By Brittany Wolfe at 2:35 pm, Mar 31, 2022



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

Extraction Date 3/30/22

Analyst: Anne Nord

Plate lot#: 211018

Plate re-test: 04/18/22

**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:** 22B52020 **Urine Blank lot:**  
**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: 1926134 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, Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 14. 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: Blood only run

*Curve limits: Amphetamine 5-250, Buprenorphine 2.5-100, dihydrocodeine 5-500, Lamotrigine 5-500, Lorazepam 5-500, MDA 5-500, Methamphetamine 5-500, Quetiapine 5-500, Trazodone 5-500*

*Norhydrocodone was not evaluated due rising ratios. Phentermine not evaluated due to declining ratios.*

Responses between 5 and 10 for venlafaxine reported as < 10 ng.

**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:

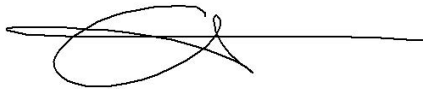
Approver: Rachel Cutler  
Title: Laboratory Manager

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	567-1									
B	IS + Cal. 2	IS + QC_2	614-1									
C	IS + Cal. 3	qc3	622-1									
D	IS + Cal. 4	IS + QC_4	636-1									
E	IS + Cal. 5		638-1									
F	IS + Cal. 6	544-1	644-1									
G	IS + Cal. 7	606-1	Negative blood									
H	IS + Cal. 8		553-1									

Run blanks before

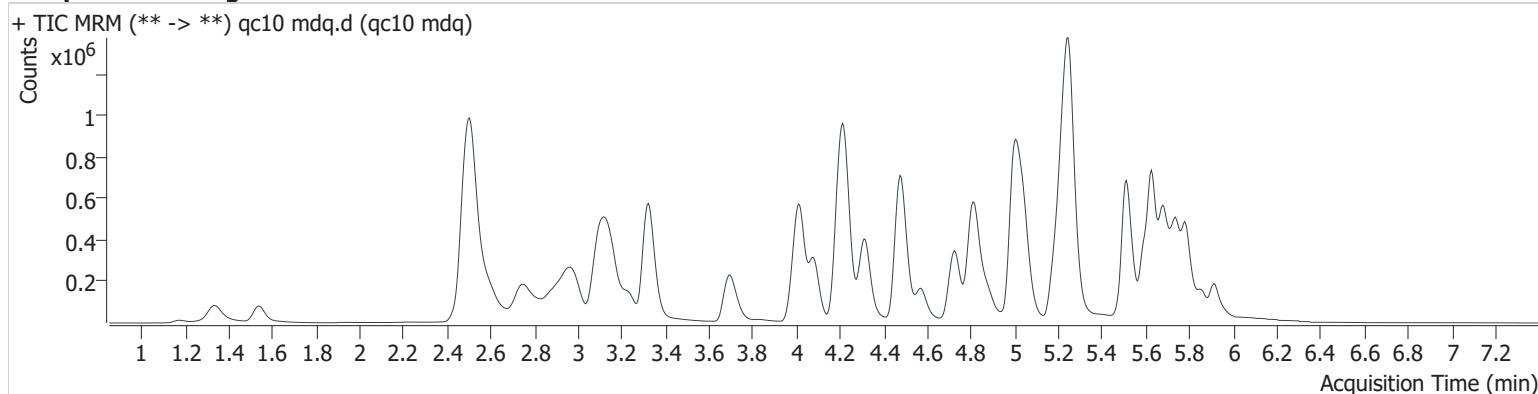
c2022-\_\_-\_\_

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<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>	3/30/2022 3:29:59 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.094	3455	7256.7	145.8	1709.7	99345	0.960 ng/ml
7-aminoclonazepam	4.237	69923	∞	76.1	∞	250298	10.344 ng/ml
a-hydroxyalprazolam	5.672	10540	2202.2	59.4	∞	125844	9.979 ng/ml
alpha-PHP	4.886	170720	4615.3	40.7	2377.5	166306	9.858 ng/ml
alpha-PVP	4.322	222958	23900.9	54.0	4235.6	957934	9.723 ng/ml
Alprazolam	5.746	99484	∞	90.5	4442.8	345558	9.937 ng/ml
Amphetamine	2.980	190644	6032.0	232.6	∞	659647	10.770 ng/ml
Benzoylcegonine	3.850	4588	∞	63.8	97.5	16259	10.139 ng/ml
<del>Buprenorphine</del>	<del>5.665</del>	<del>7872</del>	<del>∞</del>	<del>16.1</del>	<del>1395.1</del>	<del>134303</del>	<del>1.196 ng/ml</del> ocr
Bupropion	4.741	215413	21100.2	69.2	2135.2	948136	10.151 ng/ml
Carisoprodol	5.706	60005	280975.3	70.5	3024.4	281191	9.348 ng/ml
Citalopram	5.186	160418	∞	41.0	1543.3	735077	9.747 ng/ml
Clonazepam	5.594	68039	11411.4	33.3	30097.3	125844	10.339 ng/ml
Clonazepam	5.535	61144	73094.0	37.2	∞	789848	9.297 ng/ml
Cocaine	4.226	156460	6837.4	50.7	9738.8	1356922	10.011 ng/ml
Codeine	2.521	24067	6453.2	91.7	3171.5	108374	10.293 ng/ml
Cyclobenzaprine	5.596	197514	5388.9	8.2	∞	626472	10.126 ng/ml
Dextromethorphan	5.224	115293	2538.4	72.5	6738.2	559510	10.603 ng/ml
Dextrophan	4.083	140640	4065.1	43.8	3650.5	724145	10.363 ng/ml
Diazepam	5.919	68984	14783.1	85.4	1409.9	332969	10.294 ng/ml
Dihydrocodeine	2.490	55628	482.0	63.1	112.1	350033	10.331 ng/ml
Diphenhydramine	5.256	487727	25412.7	31.8	4757.5	2715628	9.879 ng/ml
Doxylamine	4.491	489673	7986.2	78.6	10407.8	1902987	10.040 ng/ml
EDDP	5.218	260885	11288.1	42.6	7515.1	1344082	10.438 ng/ml
Etizolam	5.786	46916	1782.9	23.9	24849.9	332969	10.094 ng/ml
Fentanyl	5.050	18310	1950.3	113.6	∞	951711	1.113 ng/ml
Flualprazolam	5.682	41993	11833.3	96.6	1613.7	345558	9.626 ng/ml
Fluoxetine	5.683	183382	5258.3	6.8	162709.3	674483	10.386 ng/ml
Hydrocodone	2.967	89186	∞	36.7	∞	484684	10.236 ng/ml
Hydromorphone	1.547	59568	∞	76.3	1131.9	225902	9.919 ng/ml
Ketamine	4.007	151513	13200.6	37.3	6253.9	736312	10.295 ng/ml
Lamotrigine	4.239	13529	2959.9	89.9	737.7	735852	9.542 ng/ml
Levetiracetam	2.594	135318	3227.5	221.9	6966.7	1365482	9.585 ng/ml

# AM #28 Multi-Drug Quant. Results

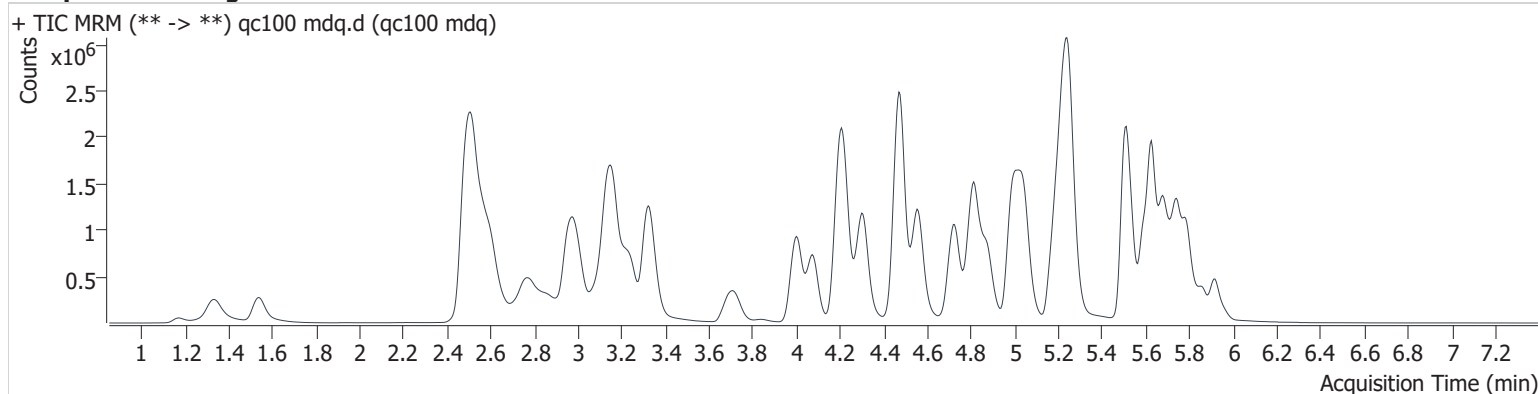
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.724	38565	∞	46.2	∞	290375	10.529 ng/ml
MDA	3.143	240778	∞	28.7	3199191126 2592.7	735852	10.449 ng/ml
MDMA	3.235	154861	7686.3	95.3	4442.0	166306	10.159 ng/ml
Meprobamate	4.882	55601	7962.6	30.3	1390.1	281191	9.951 ng/ml
Methadone	5.631	286651	2931.1	55.1	2996.2	1365482	9.419 ng/ml
Methamphetamine	3.160	387216	2381.0	40.2	25653.4	1378839	10.315 ng/ml
Metoprolol	4.289	36324	21920.5	97.2	∞	735852	9.332 ng/ml
Mirtazapine	4.569	315633	17693.6	48.2	13431.1	1365482	9.580 ng/ml
Mitragynine	5.185	67874	50855.7	33.1	26080.6	3788135	10.898 ng/ml
Morphine	1.181	7701	∞	24.0	1266.6	10737	9.799 ng/ml
Norbuprenorphine	4.961	1535	2107.0	83.5	∞	30022	0.989 ng/ml
Nordiazepam	5.862	59097	17149.4	62.1	∞	208967	10.130 ng/ml
Norfentanyl	4.043	11526	303.4	36.6	∞	1400892	0.989 ng/ml
Noroxycodone	2.849	76068	∞	44.2	∞	282065	10.301 ng/ml
O-desmethyl-tramadol	3.327	343226	18696.6	6.5	1627.5	1848946	9.804 ng/ml
Oxazepam	5.726	74910	33929.6	71.5	5536.5	290375	10.191 ng/ml
Oxycodone	2.776	179325	∞	29.4	∞	799497	10.085 ng/ml
Oxymorphone	1.339	94996	∞	44.1	∞	336000	9.773 ng/ml
Promethazine	5.512	279672	∞	40.5	6649.9	1393579	9.897 ng/ml
Pseudoephedrine	2.514	775319	∞	24.5	∞	3788135	9.865 ng/ml
Quetiapine	5.504	154607	3642.9	62.5	110644.4	247821	10.107 ng/ml
Sertraline	5.746	68439	3923.1	99.2	5244.3	294620	9.982 ng/ml
Temazepam	5.788	158539	2157.3	28.8	1282.7	789848	10.335 ng/ml
Tramadol	4.207	358486	20880.0	3.7	496.7	1735977	10.356 ng/ml
Trazodone	5.050	215841	7369.8	79.9	3811.5	883516	9.931 ng/ml
Venlafaxine	5.000	254340	4431.5	37.3	2632.6	1785406	10.354 ng/ml
Zolpidem	4.827	378728	26300.3	28.7	4573.6	1696820	10.194 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<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>	3/30/2022 6:12:16 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.089	31696	49181.5	133.2	18191.4	86879	10.396 ng/ml
7-aminoclonazepam	4.227	523677	22380.7	76.9	11606.7	185768	103.408 ng/ml
a-hydroxyalprazolam	5.666	65054	1001.0	57.3	495.6	90702	98.560 ng/ml
alpha-PHP	4.876	1461179	90284.1	39.7	80673.3	146523	89.744 ng/ml
alpha-PVP	4.307	1908695	102810.2	53.4	39201.1	832269	94.873 ng/ml
Alprazolam	5.746	764128	4597.8	92.4	∞	260817	100.245 ng/ml
Amphetamine	2.980	1471497	31869.9	233.4	∞	574619	106.466 ng/ml
Benzoylcegonine	3.845	41448	46379.9	53.3	542.8	16345	96.361 ng/ml
Buprenorphine	5.665	67488	24557.5	16.2	9540.7	114770	9.666 ng/ml
Bupropion	4.726	1918086	167875.2	68.8	14723.8	861087	98.843 ng/ml
Carisoprodol	5.706	414518	2691880.1	63.3	4906.6	191010	95.859 ng/ml
Citalopram	5.180	1332369	27689.5	41.0	13011.0	609762	98.392 ng/ml
Clonazepam	5.589	467284	858221.9	36.0	143723.3	90702	103.390 ng/ml
Clonazepam	5.535	488028	40377.1	38.8	∞	586322	91.002 ng/ml
Cocaine	4.216	1299713	391038.6	49.8	3248802.6	1129590	100.064 ng/ml
Codeine	2.521	183559	76322.2	90.3	16322.6	84967	109.006 ng/ml
Cyclobenzaprine	5.596	1641971	∞	8.4	12133.2	531545	100.133 ng/ml
Dextromethorphan	5.219	934759	∞	75.0	1177285.7	449113	92.924 ng/ml
Dextrophan	4.078	1232102	54744.4	44.6	∞	631630	95.374 ng/ml
Diazepam	5.919	575850	20859.2	87.7	14955.1	281913	99.934 ng/ml
Dihydrocodeine	2.485	470582	4253.2	62.2	2499.2	308022	105.736 ng/ml
Diphenhydramine	5.251	4065976	536967.4	31.6	54076.3	2269276	95.705 ng/ml
Doxylamine	4.475	4408029	166014.6	81.4	144306.6	1674082	104.259 ng/ml
EDDP	5.218	2085260	762077.6	43.7	105130.0	1124606	98.022 ng/ml
Etizolam	5.786	383221	65405.2	25.0	69010.9	281913	100.312 ng/ml
Fentanyl	5.045	158776	16280.4	115.4	220384.3	827427	9.539 ng/ml
Flualprazolam	5.677	334969	∞	91.7	∞	260817	104.367 ng/ml
Fluoxetine	5.683	1389510	65719.2	7.2	26987.6	522854	100.058 ng/ml
Hydrocodone	2.967	689750	∞	36.5	∞	392028	106.595 ng/ml
Hydromorphone	1.542	606928	∞	72.7	∞	204929	101.617 ng/ml
Ketamine	3.996	1326999	2716521.2	37.8	15576.5	661679	102.385 ng/ml
Lamotrigine	4.233	100490	6247.7	91.9	332856.5	557298	97.025 ng/ml
Levetiracetam	2.594	1175040	18752.0	222.9	56179.2	1163949	106.789 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	175130	∞	49.0	∞	156765	96.412 ng/ml
MDA	3.138	1771043	25693.7	27.9	3812.5	557298	107.097 ng/ml
MDMA	3.235	1319225	∞	95.0	79209.7	146523	97.441 ng/ml
Meprobamate	4.871	416442	19780.7	29.2	7325.1	191010	100.581 ng/ml
Methadone	5.631	2535626	78290.0	53.6	37887.2	1163949	95.105 ng/ml
Methamphetamine	3.160	2750803	12561.5	40.2	22276.5	1243486	105.424 ng/ml
Metoprolol	4.279	293586	293822.1	97.5	∞	557298	89.865 ng/ml
Mirtazapine	4.553	2788656	1363707.2	48.8	450042.5	1163949	96.990 ng/ml
Mitragynine	5.174	537988	334441.7	34.7	220213.9	3318325	98.983 ng/ml
Morphine	1.171	68976	∞	22.4	∞	9304	107.294 ng/ml
Norbuprenorphine	4.951	11894	∞	89.8	10416.0	26780	9.995 ng/ml
Nordiazepam	5.862	474890	∞	62.0	∞	175022	98.564 ng/ml
Norfentanyl	4.033	96800	4603.5	37.4	∞	1204862	9.049 ng/ml
Noroxycodone	2.849	608528	∞	46.1	∞	231622	101.573 ng/ml
O-desmethyl-tramadol	3.327	3072362	206712.1	6.5	20495.8	1690797	96.520 ng/ml
Oxazepam	5.726	406259	19193.5	70.2	3255.6	156765	104.545 ng/ml
Oxycodone	2.771	1585082	∞	29.2	∞	715803	100.100 ng/ml
Oxymorphone	1.334	848842	∞	44.3	∞	303303	98.582 ng/ml
Promethazine	5.512	2549155	7658311.7	38.5	87705.9	1259955	96.920 ng/ml
Pseudoephedrine	2.509	6759027	∞	24.0	∞	3318325	97.101 ng/ml
Quetiapine	5.498	1330667	2080092.6	62.2	1851245.7	223051	102.232 ng/ml
Sertraline	5.746	538895	275531.6	98.8	133079.1	239714	96.380 ng/ml
Temazepam	5.788	1189527	101938.0	29.1	2741.2	586322	93.633 ng/ml
Tramadol	4.197	3001074	178274.6	3.7	1758.5	1550294	103.391 ng/ml
Trazodone	5.040	1929333	136723.1	80.2	564442.9	769624	98.447 ng/ml
Venlafaxine	4.994	2283460	96618.1	38.2	6984.3	1577013	89.750 ng/ml
Zolpidem	4.811	3312014	∞	28.9	30136.7	1491996	103.242 ng/ml

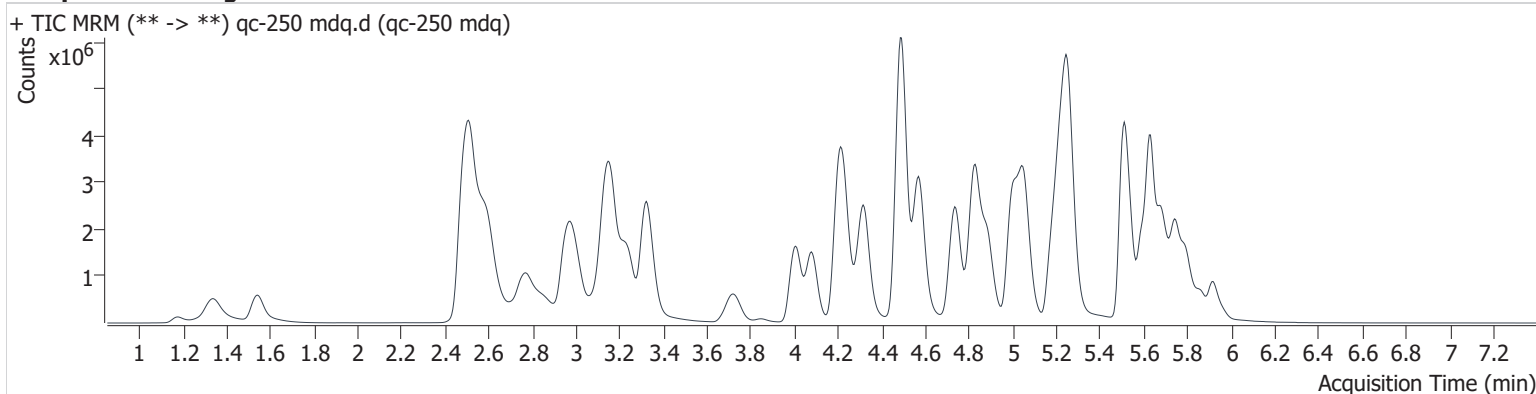


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<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>	3/30/2022 3:39:01 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.083	75170	∞	139.2	45245.9	87614	24.493 ng/ml
7-aminoclonazepam	4.243	937931	5982.8	77.3	66120.4	132606	259.298 ng/ml
a-hydroxyalprazolam	5.666	93123	1497.7	60.7	1216.3	60233	214.457 ng/ml
alpha-PHP	4.886	3753980	15947.1	39.1	225820.3	135258	248.535 ng/ml
alpha-PVP	4.322	4867361	355817.4	52.8	268919.4	822682	244.589 ng/ml
Alprazolam	5.746	1511598	4387.5	94.2	5106.4	213874	241.694 ng/ml
Amphetamine	2.980	2999852	∞	227.9	∞	575270	218.256 ng/ml
Benzoylcegonine	3.850	113093	∞	55.9	2491.2	17167	251.396 ng/ml
Buprenorphine	5.665	156423	∞	15.2	35497.0	104714	24.159 ng/ml
Bupropion	4.739	5039531	665881.3	67.6	49165.3	882254	253.346 ng/ml
Carisoprodol	5.706	710843	3439178.7	61.8	8279.2	125768	249.801 ng/ml
Citalopram	5.180	2939534	27963.2	40.8	28525.2	526867	251.370 ng/ml
Clonazepam	5.589	743543	103338.4	35.2	421644.4	60233	248.533 ng/ml
Clonazepam	5.540	924102	∞	39.4	6267.8	381691	262.945 ng/ml
Cocaine	4.221	3045938	600549.0	48.3	328180.4	1060211	249.877 ng/ml
Codeine	2.521	365369	44224.2	94.5	∞	73021	253.806 ng/ml
Cyclobenzaprine	5.596	3730449	124587.9	8.5	∞	492406	245.729 ng/ml
Dextromethorphan	5.224	1958157	47221.5	75.8	88301.8	378277	228.796 ng/ml
Dextrophan	4.078	3093661	189474.7	45.0	285867.5	630482	238.448 ng/ml
Diazepam	5.919	1319431	∞	88.7	6275.4	260174	247.848 ng/ml
Dihydrocodeine	2.475	1069730	2713.6	60.8	1692.9	309662	240.027 ng/ml
Diphenhydramine	5.258	9475990	∞	31.2	100616.5	1983522	254.650 ng/ml
Doxylamine	4.491	11651840	444472.6	82.9	3089998.2	1801131	256.390 ng/ml
EDDP	5.218	5071991	81059.3	43.6	110463.0	1061504	252.280 ng/ml
Etizolam	5.786	868023	9260.1	25.0	10674.4	260174	246.691 ng/ml
Fentanyl	5.056	386842	31679.6	120.8	∞	787206	24.157 ng/ml
Flualprazolam	5.682	676815	5657.6	91.8	4278.9	213874	257.565 ng/ml
Fluoxetine	5.683	2791895	∞	7.0	186148.0	414070	253.604 ng/ml
Hydrocodone	2.962	1521006	∞	36.6	∞	370069	250.367 ng/ml
Hydromorphone	1.542	1481300	∞	73.0	∞	202073	250.105 ng/ml
Ketamine	4.002	3363271	∞	37.9	12963.8	669338	256.878 ng/ml
Lamotrigine	4.244	196735	55348.2	88.6	∞	417806	254.001 ng/ml
Levetiracetam	2.594	2666412	298421.9	223.4	165609.2	1150801	246.385 ng/ml



# AM #28 Multi-Drug Quant. Results

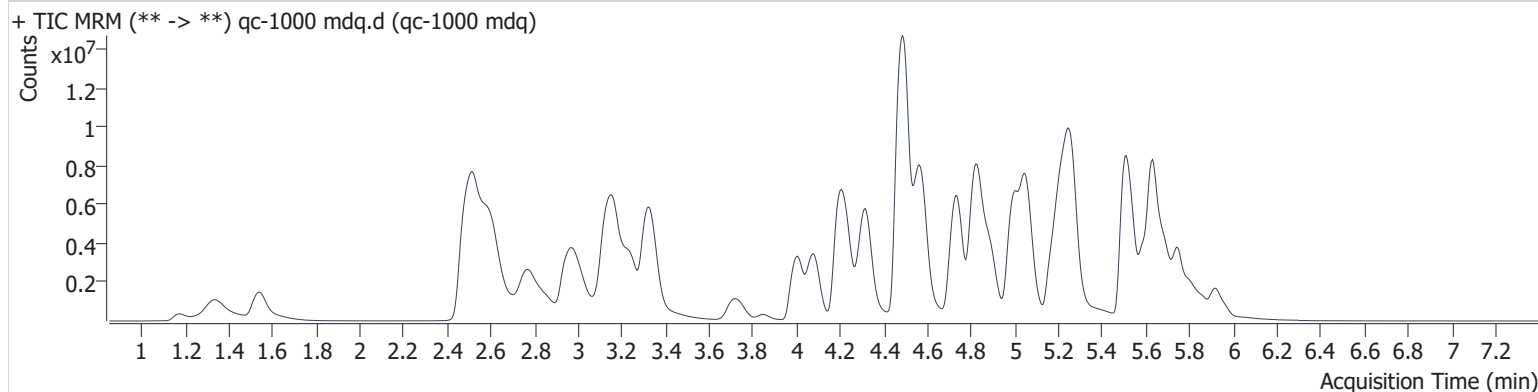
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	191835	∞	46.5	5864.5	68617	242.869 ng/ml
MDA	3.127	3196049	80000.8	28.0	7192.3	417806	258.702 ng/ml
MDMA	3.235	3104377	347896.9	95.9	498422.7	135258	248.253 ng/ml
Meprobamate	4.882	733831	∞	28.8	2371.2	125768	267.654 ng/ml
Methadone	5.631	6613669	110433.0	50.6	209782.8	1150801	250.435 ng/ml
Methamphetamine	3.154	6603829	63583.5	39.6	467248.2	1328021	241.364 ng/ml
Metoprolol	4.284	656769	33957.6	98.7	∞	417806	266.158 ng/ml
Mirtazapine	4.569	7206972	292755.9	48.1	146924.4	1150801	253.127 ng/ml
Mitragynine	5.179	1220378	682728.6	35.1	∞	2983643	249.790 ng/ml
Morphine	1.176	175206	∞	22.3	∞	10102	251.877 ng/ml
Norbuprenorphine	4.956	29478	66338.7	96.7	44571.3	26482	25.325 ng/ml
Nordiazepam	5.868	953841	553949.4	61.2	∞	141677	244.802 ng/ml
Norfentanyl	4.038	228189	92810.6	36.9	115081.5	1060525	24.119 ng/ml
Noroxycodone	2.843	1290437	∞	44.7	∞	192335	259.606 ng/ml
O-desmethyl-tramadol	3.326	7969515	15290519.4	6.3	23360.9	1715672	246.834 ng/ml
Oxazepam	5.726	435930	19233.5	71.3	48814.1	68617	256.641 ng/ml
Oxycodone	2.766	4025605	∞	29.6	∞	724789	251.161 ng/ml
Oxymorphone	1.339	2080917	∞	44.3	∞	297986	246.295 ng/ml
Promethazine	5.512	6301558	207155.1	37.3	∞	1168024	257.921 ng/ml
Pseudoephedrine	2.509	15778618	∞	23.9	∞	2983643	251.913 ng/ml
Quetiapine	5.498	3031000	123770.1	62.0	∞	209429	248.940 ng/ml
Sertraline	5.746	1084080	405744.9	97.9	88120.4	184953	251.251 ng/ml
Temazepam	5.799	2054015	52646.0	28.7	9468.2	381691	246.396 ng/ml
Tramadol	4.202	7287381	311807.0	3.5	2977.0	1561138	250.380 ng/ml
Trazodone	5.050	4791392	370416.6	78.1	1149915.3	709576	264.545 ng/ml
Venlafaxine	5.000	6006330	565371.4	37.0	17377.4	1572288	234.015 ng/ml
Zolpidem	4.827	8518558	1300608.8	28.3	111618.3	1544251	256.863 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

**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** 3/30/2022 3:48:03 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.083	219901	∞	133.8	∞	64882	96.856 ng/ml
7-aminoclonazepam	4.248	902584	58781.6	88.2	6694.5	36170	914.548 ng/ml
a-hydroxyalprazolam	5.666	121340	1442.2	57.7	426.0	15079	1123.522 ng/ml
alpha-PHP	4.881	9906607	∞	38.7	63173.6	76613	1155.388 ng/ml
alpha-PVP	4.319	13866598	458450.2	52.1	323270.7	551485	1039.130 ng/ml
Alprazolam	5.746	2933218	5350.8	92.4	8370.4	98870	1014.231 ng/ml
<b>Amphetamine</b>	<b>2.985</b>	<b>5410740</b>	<b>324653.8</b>	<b>227.0</b>	<b>∞</b>	<b>411417</b>	<b>552.581 ng/ml</b>
Benzoylcegonine	3.850	483174	489577.8	55.3	11228.7	17750	1040.795 ng/ml
Buprenorphine	5.665	299542	273914.3	15.4	8915657614	51130	93.991 ng/ml
Bupropion	4.736	15366580	∞	64.0	2073070.7	656685	1037.620 ng/ml
Carisoprodol	5.706	1028126	6055716.1	61.7	12219.2	43530	1044.149 ng/ml
Citalopram	5.170	5424916	479299.5	42.7	44911.7	248640	983.269 ng/ml
Clonazepam	5.578	661413	73160.7	34.1	214697.5	15079	884.577 ng/ml
Clonazolam	5.551	1176592	25588.7	39.3	15017.4	114273	1115.264 ng/ml
Cocaine	4.226	6985539	257711.5	48.5	1664780.2	588775	1031.982 ng/ml
Codeine	2.526	728667	21571.1	97.7	∞	43961	843.126 ng/ml
Cyclobenzaprine	5.591	8087917	277970.0	8.1	47034.2	261952	1001.782 ng/ml
Dextromethorphan	5.219	3731104	45733.1	75.6	337375.0	179215	915.478 ng/ml
Dextrorphan	4.080	8797766	706601.6	44.2	25663299.5	420443	1013.713 ng/ml
Diazepam	5.924	3268539	∞	85.6	∞	154914	1030.605 ng/ml
<b>Dihydrocodeine</b>	<b>2.470</b>	<b>2710217</b>	<b>3528.8</b>	<b>61.9</b>	<b>7047.0</b>	<b>253581</b>	<b>744.169 ng/ml</b>
Diphenhydramine	5.261	20872523	∞	30.5	199692.1	1028650	1080.561 ng/ml
Doxylamine	4.486	33649484	425946.9	88.6	∞	1399184	953.585 ng/ml
EDDP	5.218	14658996	∞	41.6	79117.5	719730	1074.733 ng/ml
Etizolam	5.791	2089377	76895.7	25.2	120493.4	154914	998.302 ng/ml
Fentanyl	5.056	1042889	∞	133.6	6586955.5	474306	107.482 ng/ml
Flualprazolam	5.682	1157075	30793.6	91.9	9067.0	98870	953.259 ng/ml
Fluoxetine	5.688	4915174	∞	7.1	∞	179763	1027.909 ng/ml
Hydrocodone	2.962	4491347	∞	38.1	∞	280933	976.815 ng/ml
Hydromorphone	1.542	4616835	∞	73.2	∞	154203	1018.546 ng/ml
Ketamine	4.004	9150596	1169253.5	36.4	88993.1	485509	964.168 ng/ml
<b>Lamotrigine</b>	<b>4.249</b>	<b>243470</b>	<b>10061.8</b>	<b>93.2</b>	<b>62075.0</b>	<b>186310</b>	<b>705.610 ng/ml</b>

# AM #28 Multi-Drug Quant. Results

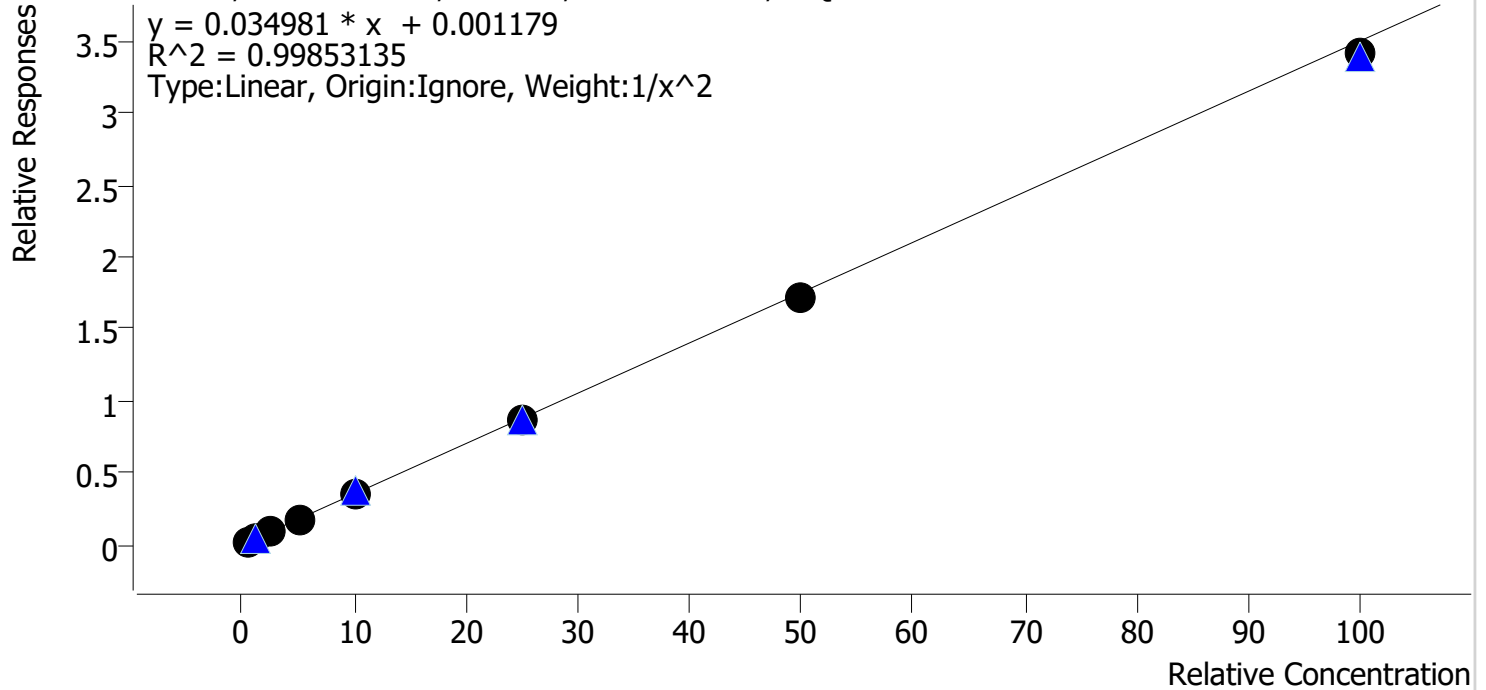
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Levetiracetam	2.600	6064850	592692.4	223.0	972309.6	759533	851.541	ng/ml
<del>Lorazepam</del>	<del>5.719</del>	<del>212305</del>	<del>∞</del>	<del>48.3</del>	<del>50602.0</del>	<del>11545</del>	<del>1603.397</del>	<del>ng/ml</del> ocr
MDA	3.107	4157612	225685.4	27.3	30709.0	186310	755.925	ng/ml ocr
MDMA	3.237	7314064	340872.5	94.1	355911.2	76613	1032.324	ng/ml
Meprobamate	4.897	515539	1343874.3	28.7	9003.2	43530	542.336	ng/ml
Methadone	5.631	18232057	303799.9	49.2	∞	759533	1045.130	ng/ml
<del>Methamphetamine</del>	<del>3.160</del>	<del>16419664</del>	<del>136246.4</del>	<del>38.1</del>	<del>97443.0</del>	<del>1142987</del>	<del>703.914</del>	<del>ng/ml</del> ocr
Metoprolol	4.279	1209438	86001.9	96.6	∞	186310	1095.981	ng/ml
Mirtazapine	4.569	20227607	5844115.2	48.2	452674.1	759533	1075.624	ng/ml
Mitragynine	5.169	2697554	73901.9	37.3	465542.8	1741477	946.104	ng/ml
Morphine	1.176	608369	∞	22.7	∞	8419	1051.480	ng/ml
Norbuprenorphine	4.951	88493	246571.1	92.6	178001.7	20813	97.250	ng/ml
Nordiazepam	5.868	1572588	∞	59.7	45272.1	54920	1041.696	ng/ml
Norfentanyl	4.038	490090	78248.4	36.6	∞	504104	108.737	ng/ml
Noroxycodone	2.849	2775823	∞	44.6	∞	96003	1119.243	ng/ml
O-desmethyl-tramadol	3.325	24400865	4757057.6	6.0	113547.4	1269108	1021.874	ng/ml
Oxazepam	5.726	298000	∞	74.3	102541.4	11545	1043.434	ng/ml
Oxycodone	2.767	12109437	∞	28.8	∞	549378	996.929	ng/ml
Oxymorphone	1.334	5804248	∞	43.1	∞	217281	942.736	ng/ml
Promethazine	5.512	17096875	6034541.3	34.9	∞	749025	1090.198	ng/ml
Pseudoephedrine	2.519	38053455	∞	23.1	∞	1741477	1040.513	ng/ml
<del>Quetiapine</del>	<del>5.488</del>	<del>6486977</del>	<del>27540060.7</del>	<del>62.8</del>	<del>4439151.7</del>	<del>159729</del>	<del>699.741</del>	<del>ng/ml</del> ocr
Sertraline	5.746	1896132	150859.2	100.4	1982564.5	82255	988.052	ng/ml
Temazepam	5.814	2519893	703337.6	28.8	∞	114273	1005.990	ng/ml
Tramadol	4.197	17906865	1660015.4	3.3	16729.7	1016804	946.699	ng/ml
<del>Trazodone</del>	<del>5.050</del>	<del>12598226</del>	<del>374190.3</del>	<del>78.8</del>	<del>761778.3</del>	<del>372063</del>	<del>1325.074</del>	<del>ng/ml</del> ocr
Venlafaxine	4.994	17651930	384313.1	35.7	96029.3	1047451	1026.577	ng/ml
Zolpidem	4.822	23763206	2504015.6	28.5	∞	1189904	930.464	ng/ml

# Compound Calibration Report



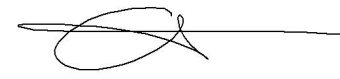
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



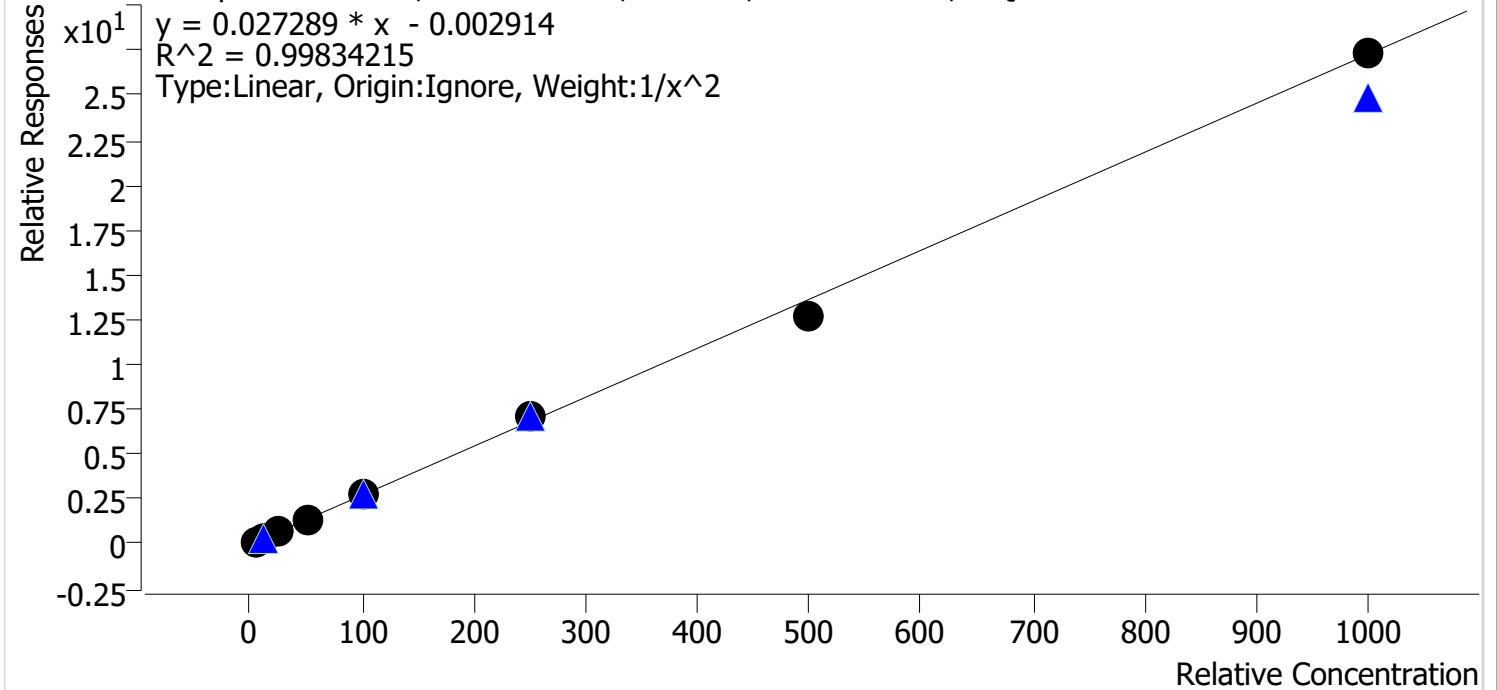
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.9
cal 2 mdq	2	✓	1.0	1.0	97.2
cal 3 mdq	3	✓	2.5	2.7	107.6
cal 4 mdq	4	✓	5.0	5.0	100.2
cal 5 mdq	5	✓	10.0	10.0	100.3
cal 6 mdq	6	✓	25.0	25.0	99.9
cal 7 mdq	7	✓	50.0	48.8	97.5
cal 8 mdq	8	✓	100.0	97.5	97.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	263.0	105.2
cal 7 mdq	7	✓	500.0	465.1	93.0
cal 8 mdq	8	✓	1000.0	1001.5	100.2

# Compound Calibration Report

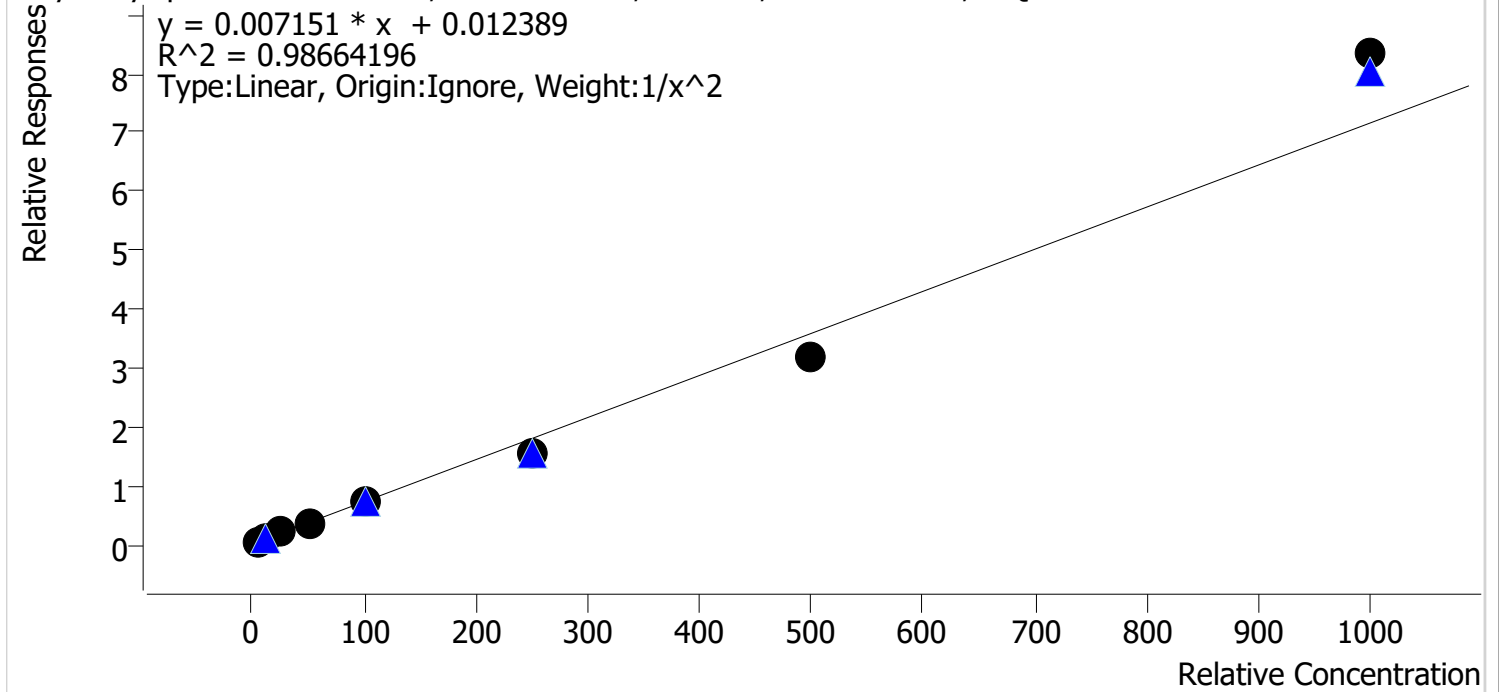


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam

**Internal Standard**

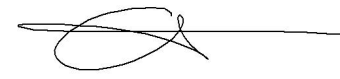
Clonazepam-D4

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



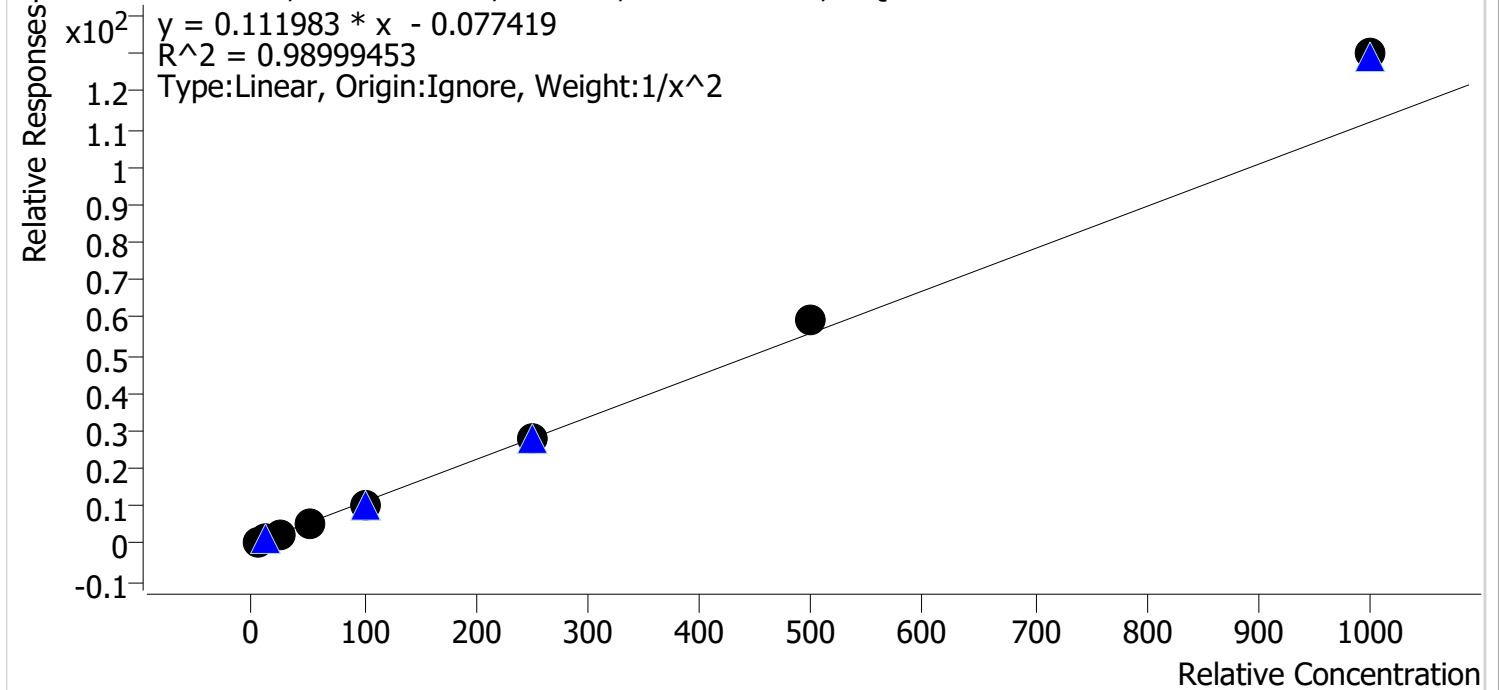
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.3	102.6
cal 3 mdq	3	✓	25.0	27.4	109.6
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	214.4	85.8
cal 7 mdq	7	✓	500.0	442.5	88.5
cal 8 mdq	8	✓	1000.0	1164.9	116.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** MDMA-D6

alpha-PHP - 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	104.7
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	23.4	93.7
cal 4 mdq	4	✓	50.0	45.6	91.2
cal 5 mdq	5	✓	100.0	92.1	92.1
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	534.2	106.8
cal 8 mdq	8	✓	1000.0	1162.4	116.2

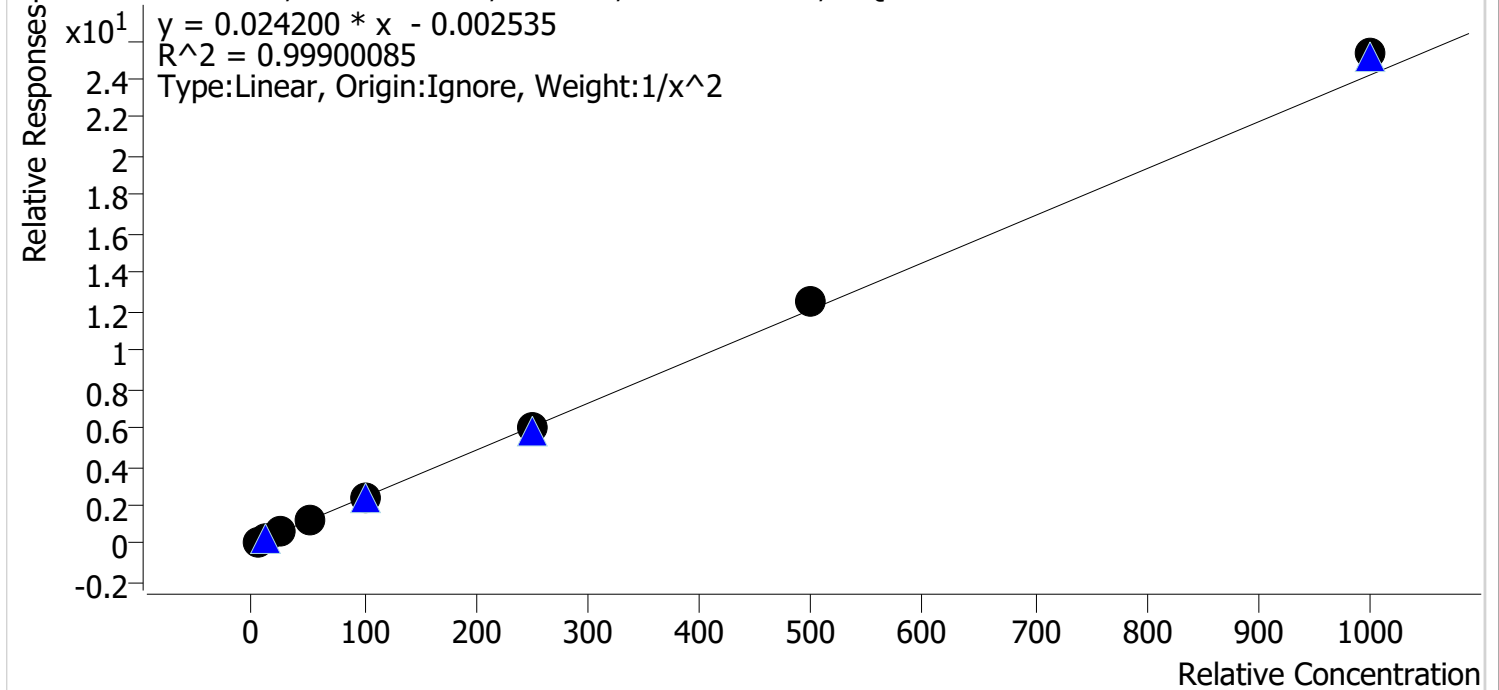


# Compound Calibration Report



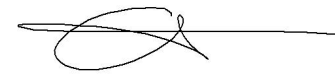
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**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

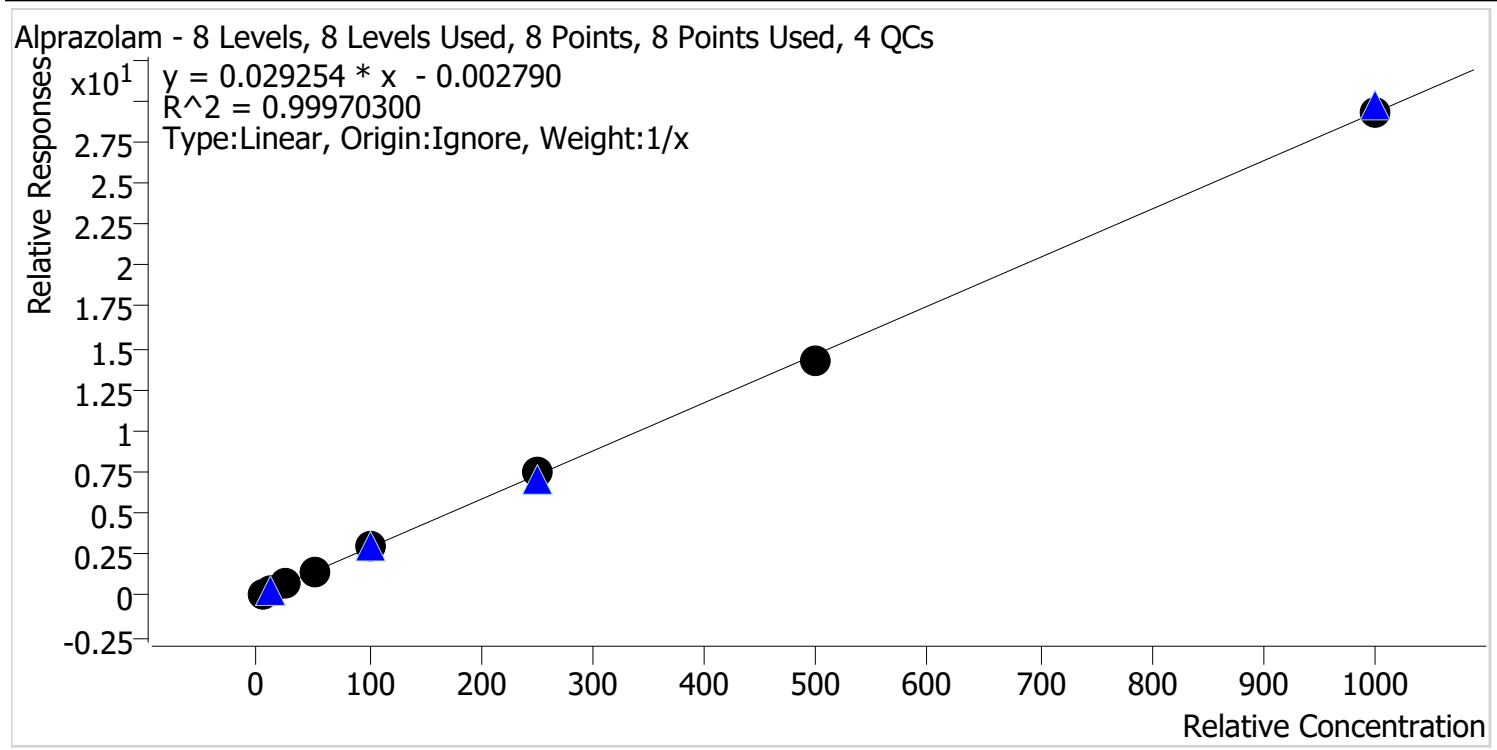


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	48.6	97.3
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	516.4	103.3
cal 8 mdq	8	✓	1000.0	1045.6	104.6

# Compound Calibration Report

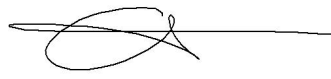


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



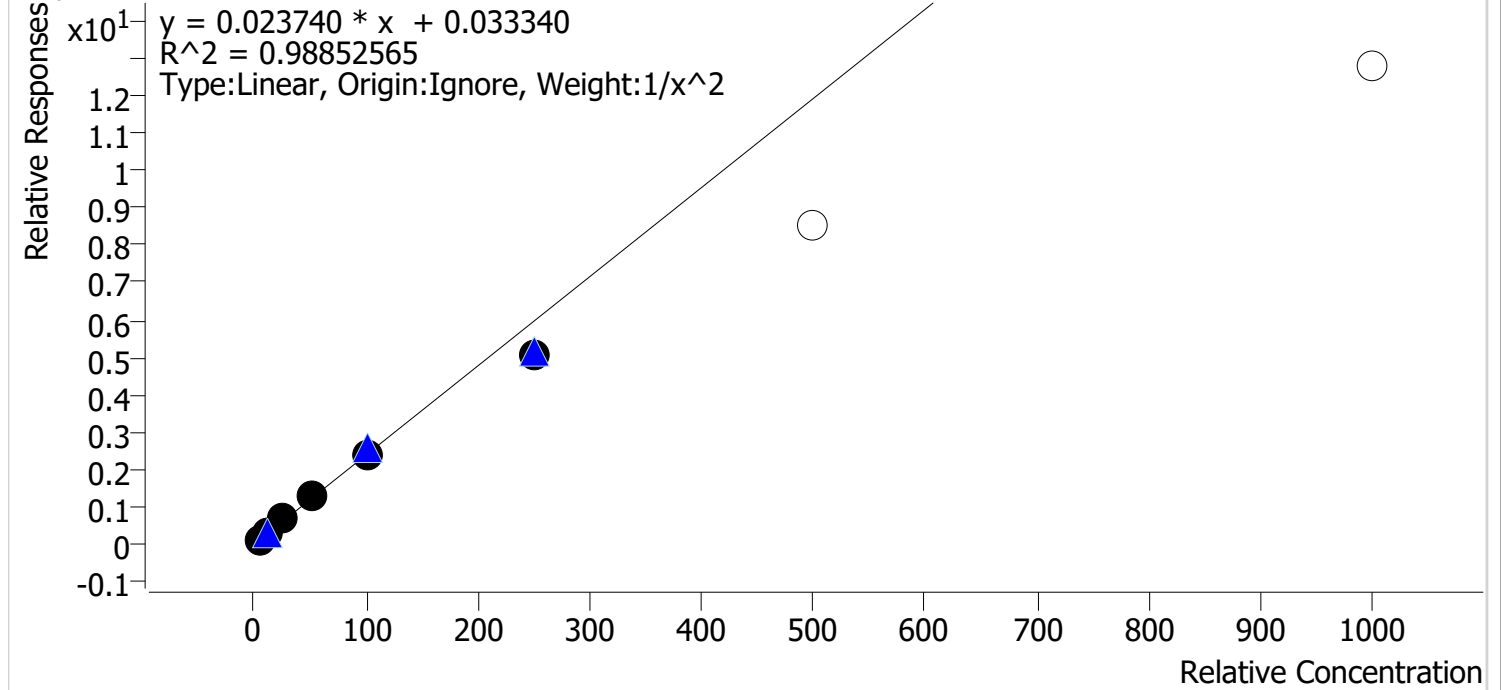
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.6	98.2
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	255.4	102.2
cal 7 mdq	7	✓	500.0	488.8	97.8
cal 8 mdq	8	✓	1000.0	1002.9	100.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.4	103.6
cal 3 mdq	3	✓	25.0	27.2	108.6
cal 4 mdq	4	✓	50.0	53.4	106.9
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	211.7	84.7
cal 7 mdq	7	✗	500.0	358.8	71.8
cal 8 mdq	8	✗	1000.0	535.6	53.6

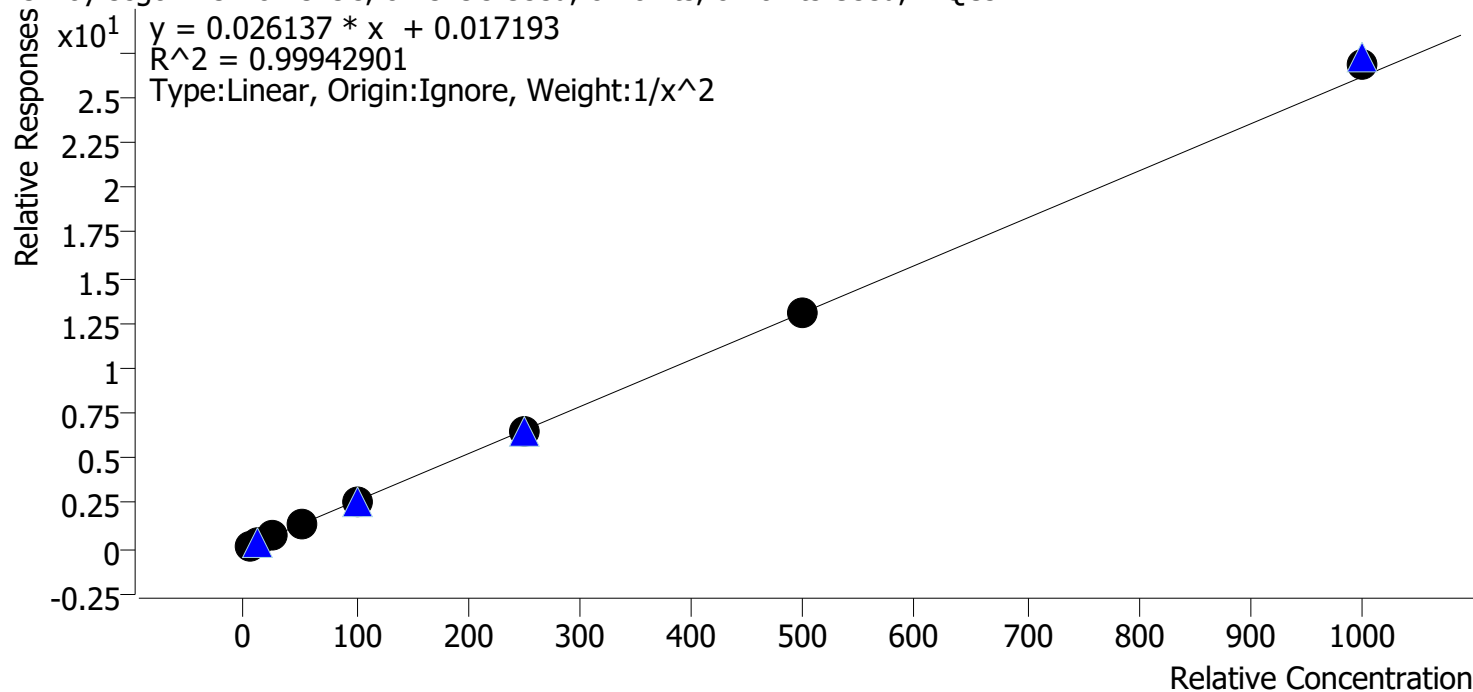
dropped cal 7 and cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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

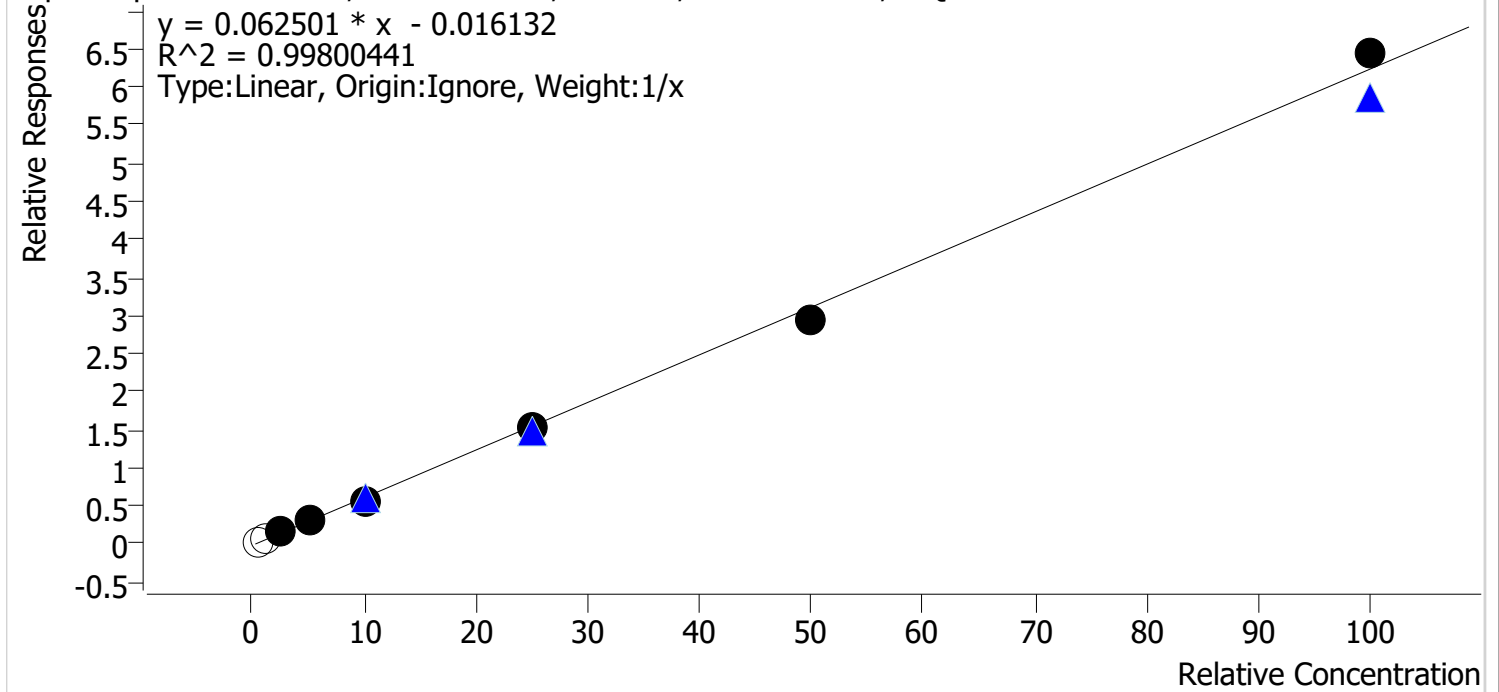


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	1026.4	102.6

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 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	0.8	150.4
cal 2 mdq	2	x	1.0	1.2	121.6
cal 3 mdq	3	✓	2.5	2.6	106.0
cal 4 mdq	4	✓	5.0	5.2	103.6
cal 5 mdq	5	✓	10.0	9.4	94.1
cal 6 mdq	6	✓	25.0	24.5	98.1
cal 7 mdq	7	✓	50.0	47.5	95.0
cal 8 mdq	8	✓	100.0	103.2	103.2

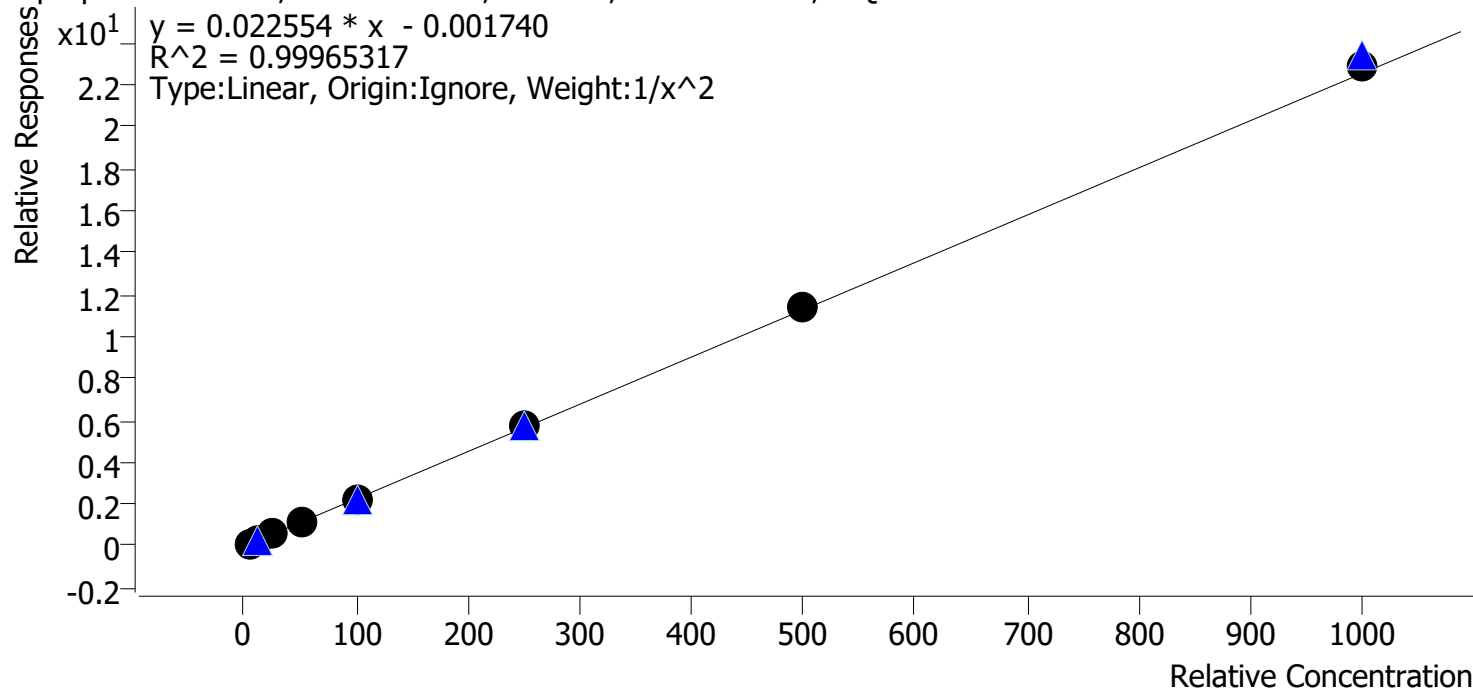
dropped cal 1 and cal 2 due to ratio being out of range for cal 2, and poor peak shape.

# Compound Calibration Report



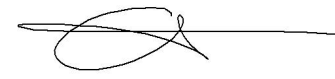
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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	101.2
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	48.9	97.9
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	508.3	101.7
cal 8 mdq	8	✓	1000.0	1017.1	101.7

# Compound Calibration Report

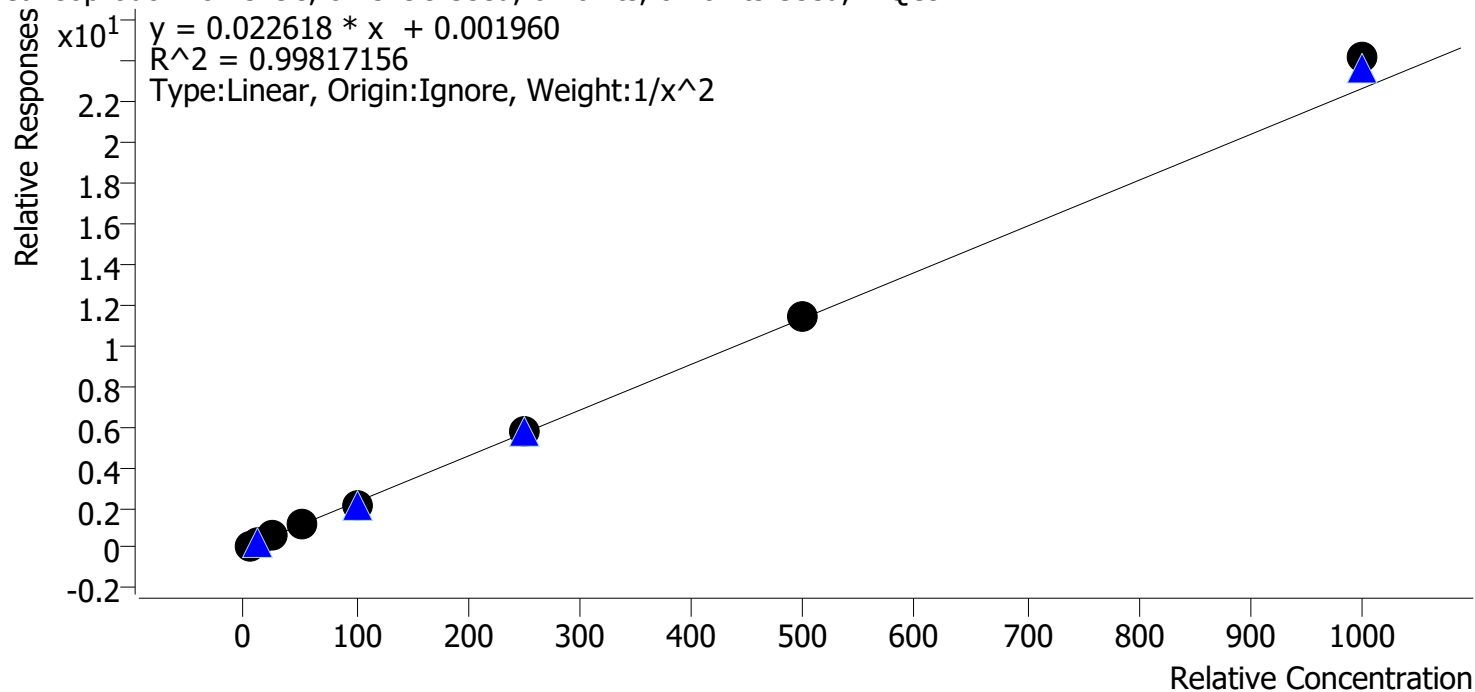


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol

**Internal Standard**

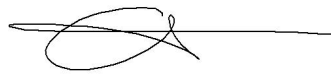
Carisoprodol-D7

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



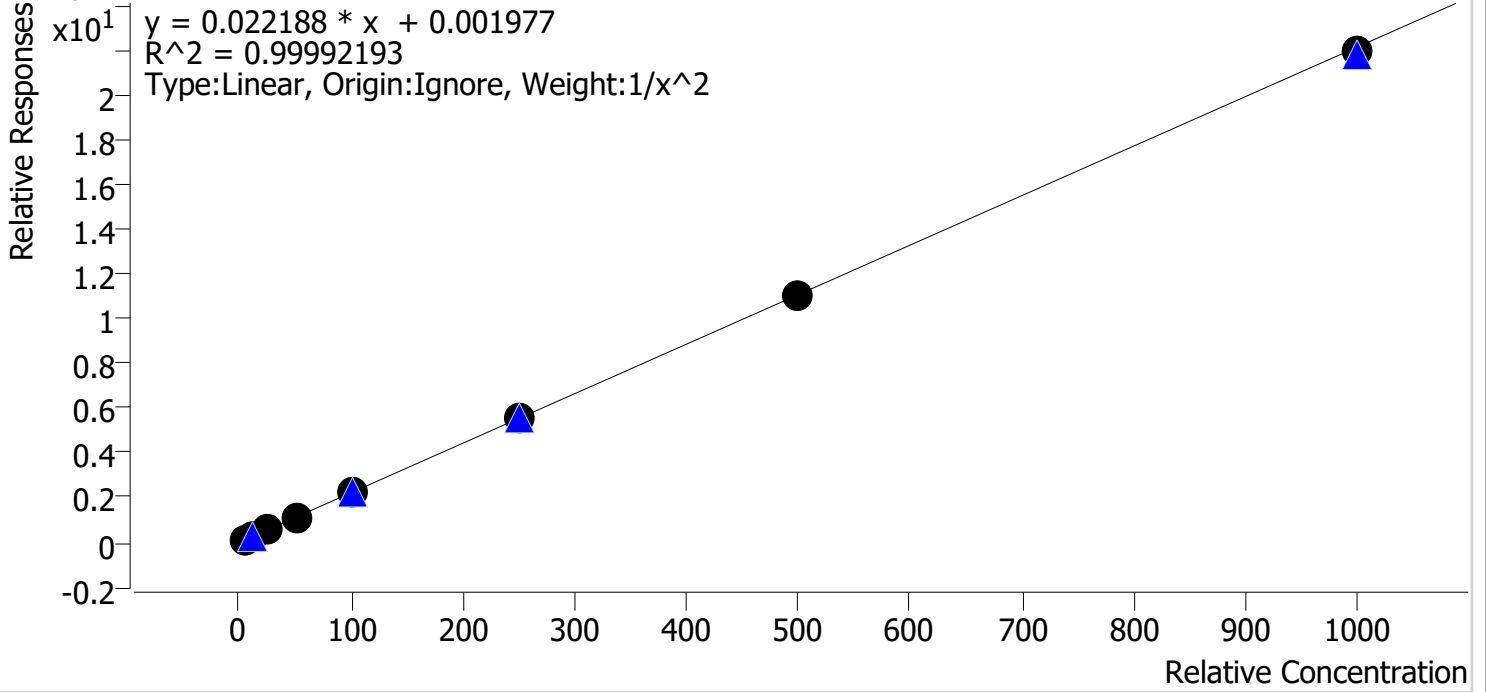
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	93.7	93.7
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	1067.3	106.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	990.9	99.1



# Compound Calibration Report

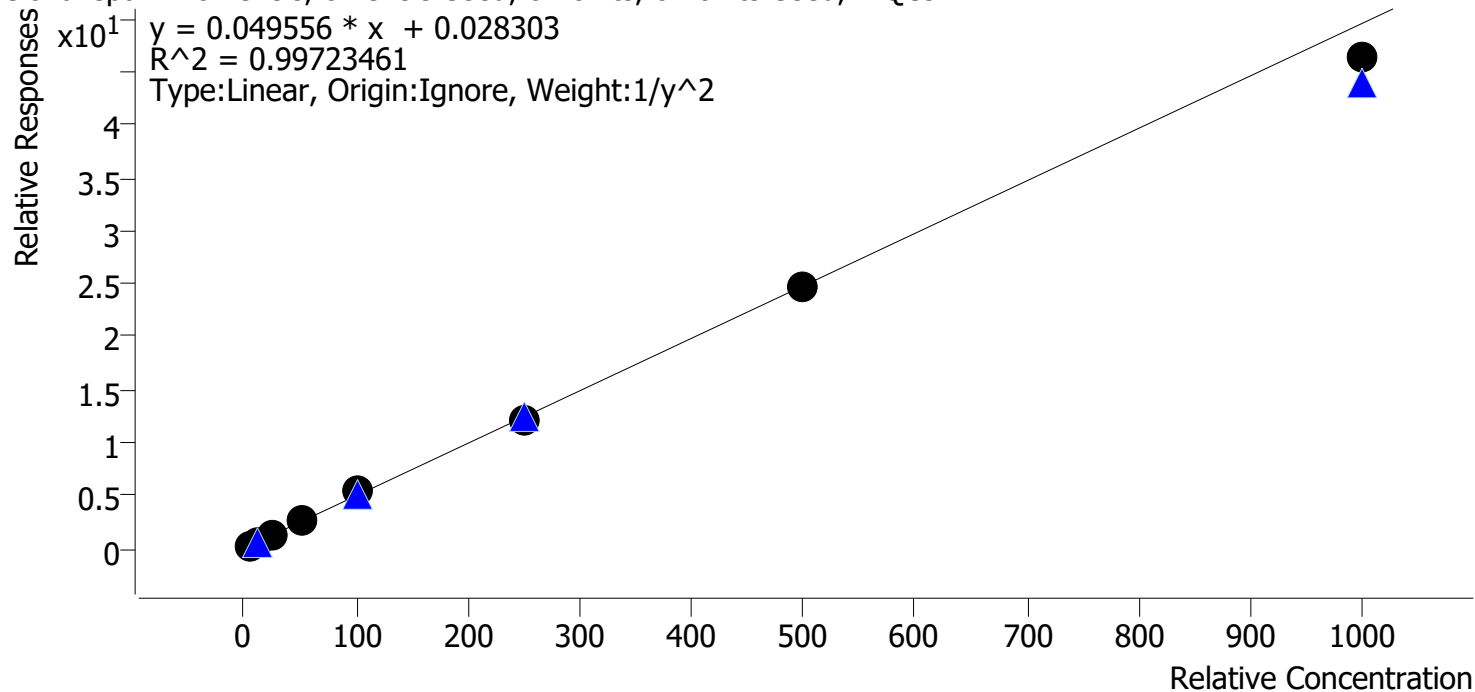


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam

**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	4.8	96.8
cal 2 mdq	2	✓	10.0	10.5	104.6
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	107.6	107.6
cal 6 mdq	6	✓	250.0	242.3	96.9
cal 7 mdq	7	✓	500.0	496.5	99.3
cal 8 mdq	8	✓	1000.0	934.8	93.5

# Compound Calibration Report

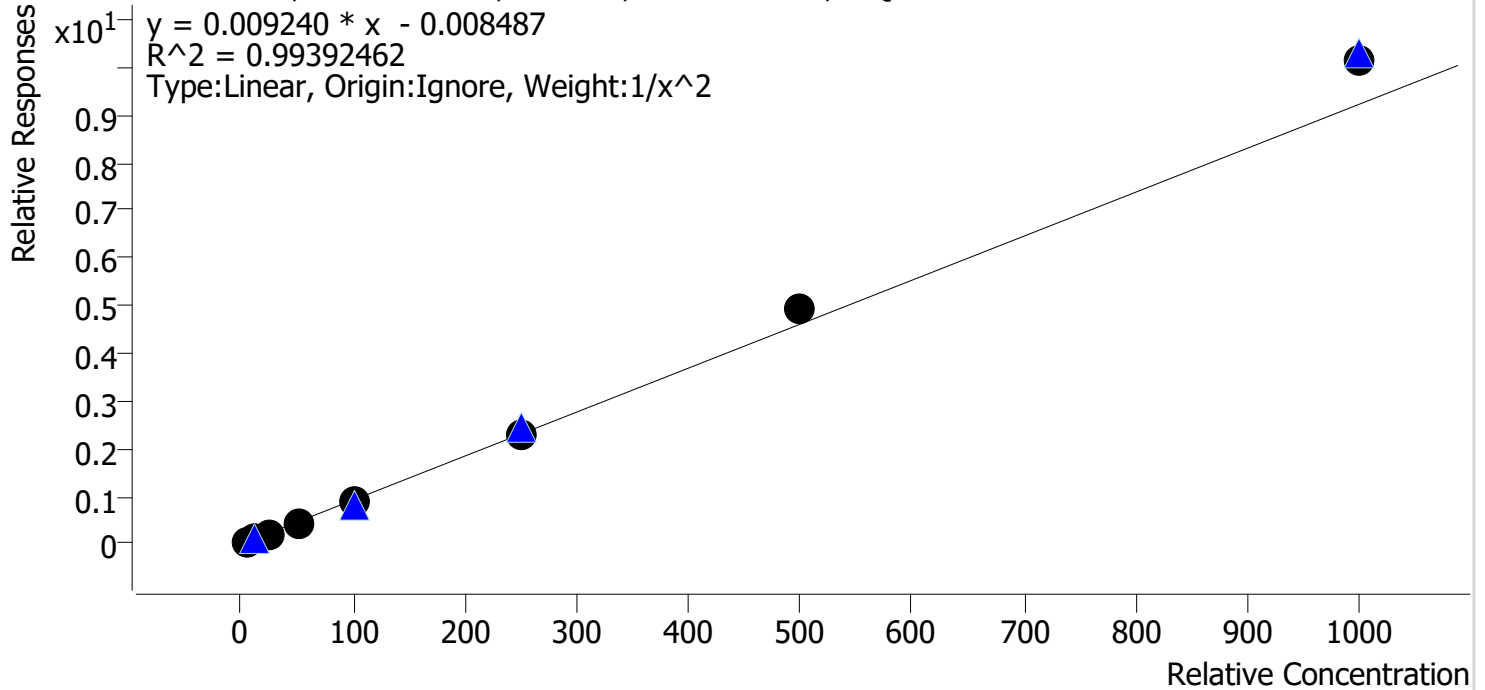


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam

**Internal Standard**

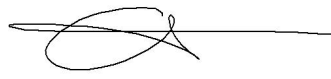
Temazepam-D5

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



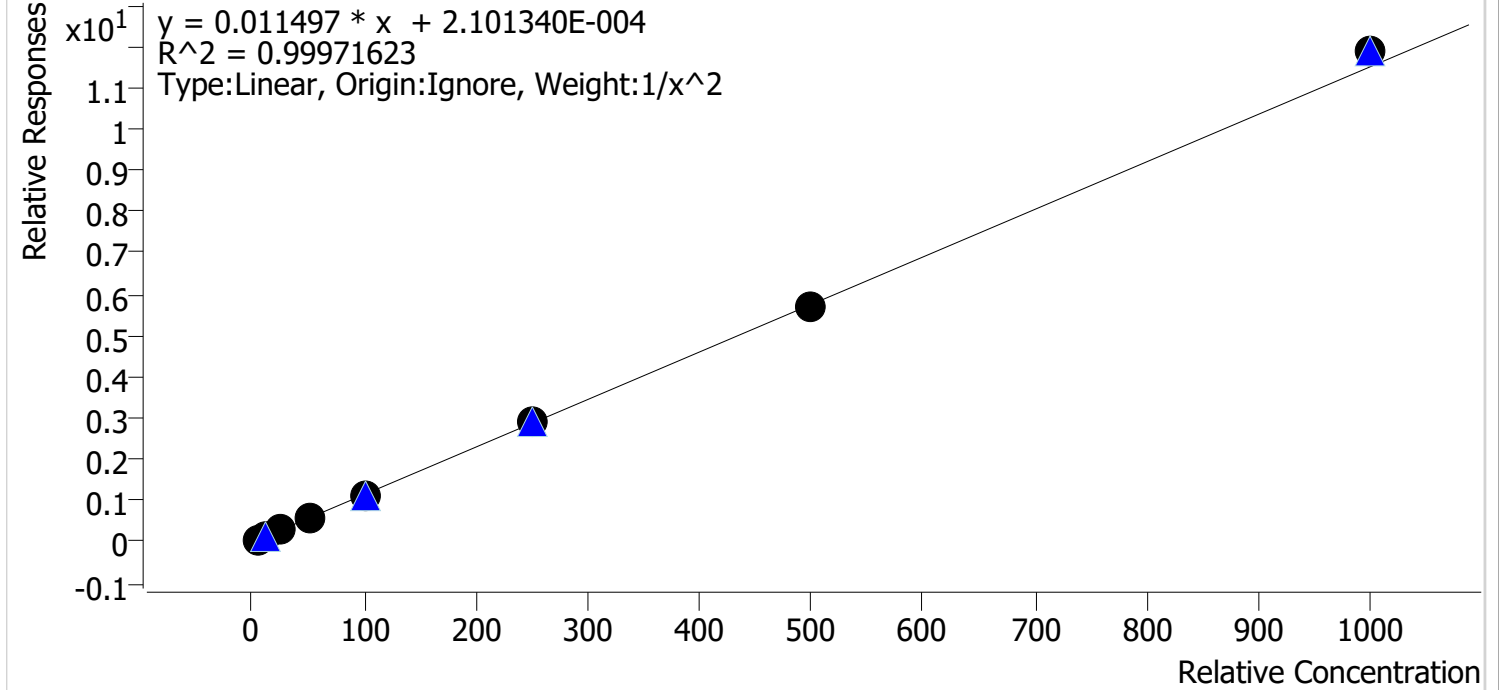
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	23.1	92.3
cal 4 mdq	4	✓	50.0	46.5	93.1
cal 5 mdq	5	✓	100.0	95.0	95.0
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	539.1	107.8
cal 8 mdq	8	✓	1000.0	1103.9	110.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



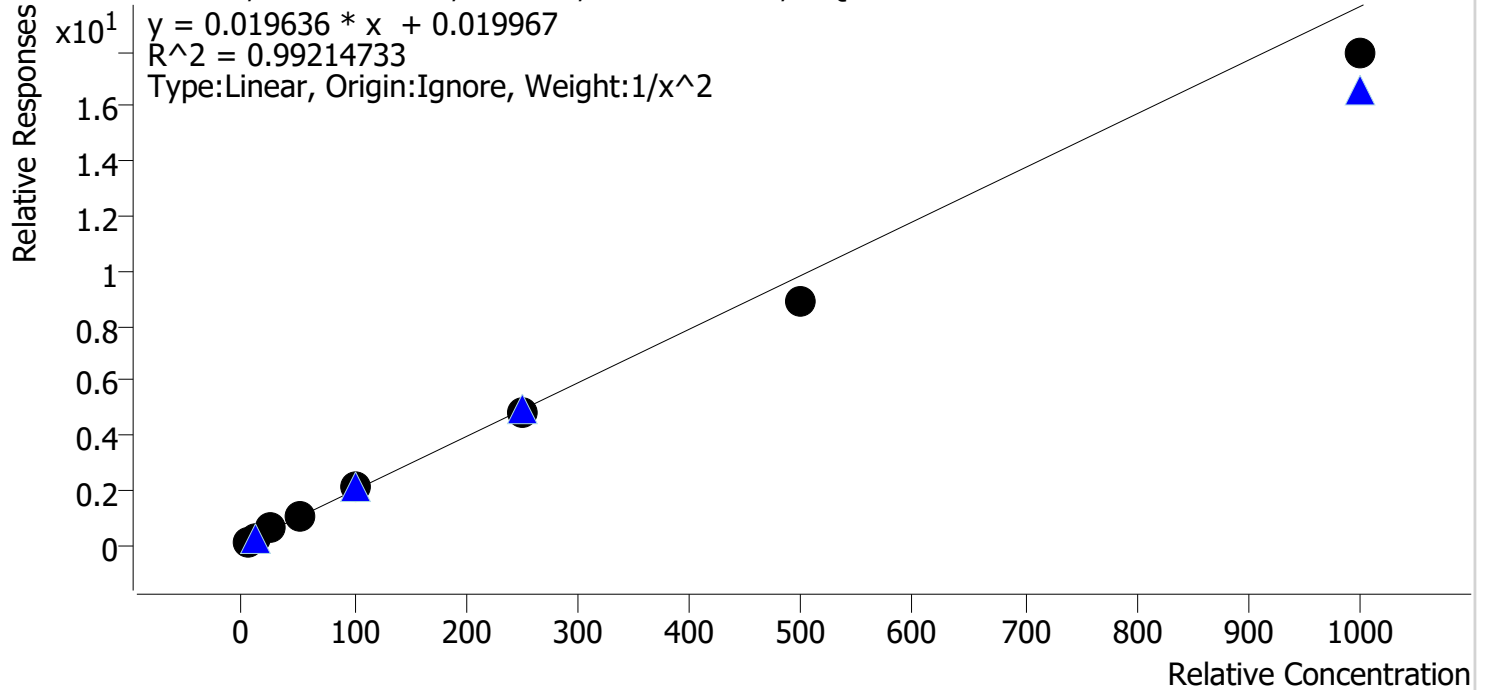
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.9	99.4
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	498.7	99.7
cal 8 mdq	8	✓	1000.0	1031.0	103.1

# Compound Calibration Report



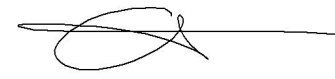
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



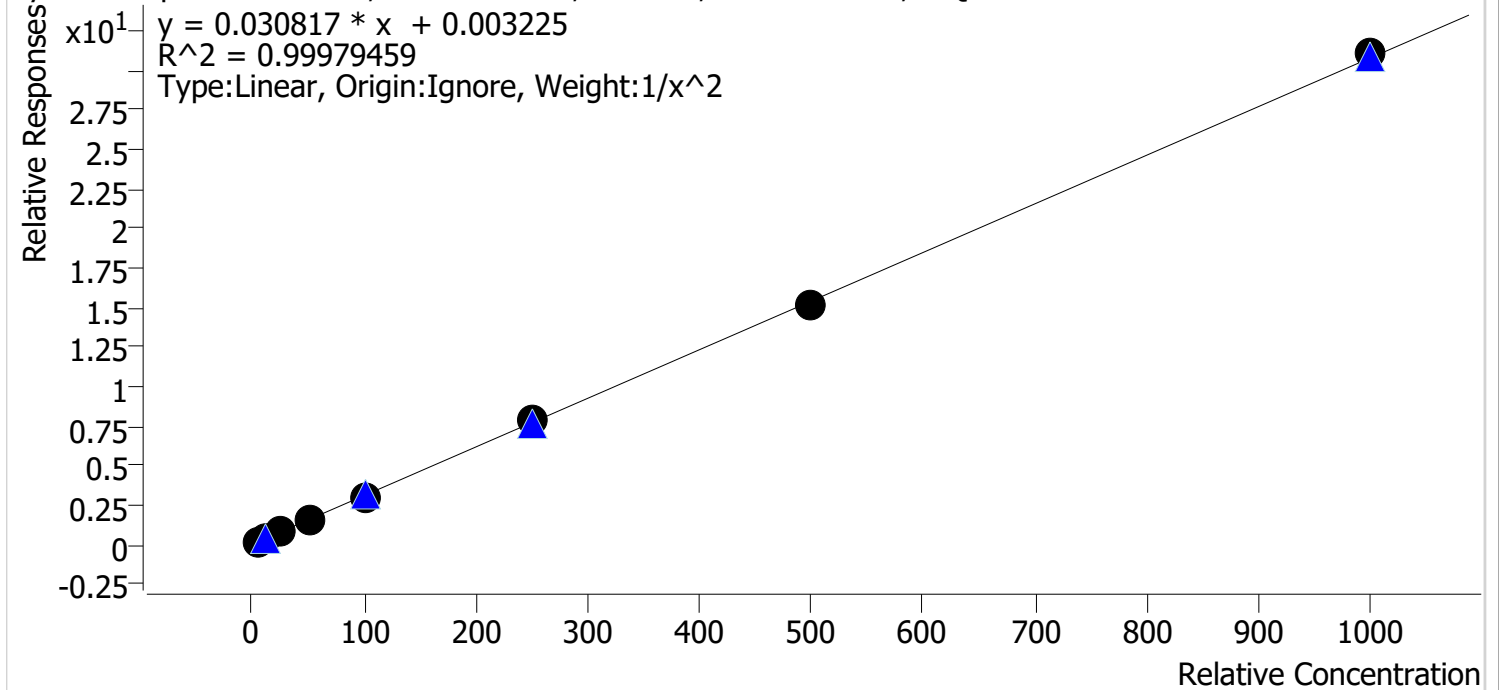
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.5
cal 2 mdq	2	✓	10.0	10.5	105.4
cal 3 mdq	3	✓	25.0	27.7	111.0
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	242.2	96.9
cal 7 mdq	7	✓	500.0	451.9	90.4
cal 8 mdq	8	✓	1000.0	912.3	91.2

# Compound Calibration Report



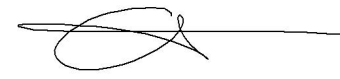
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



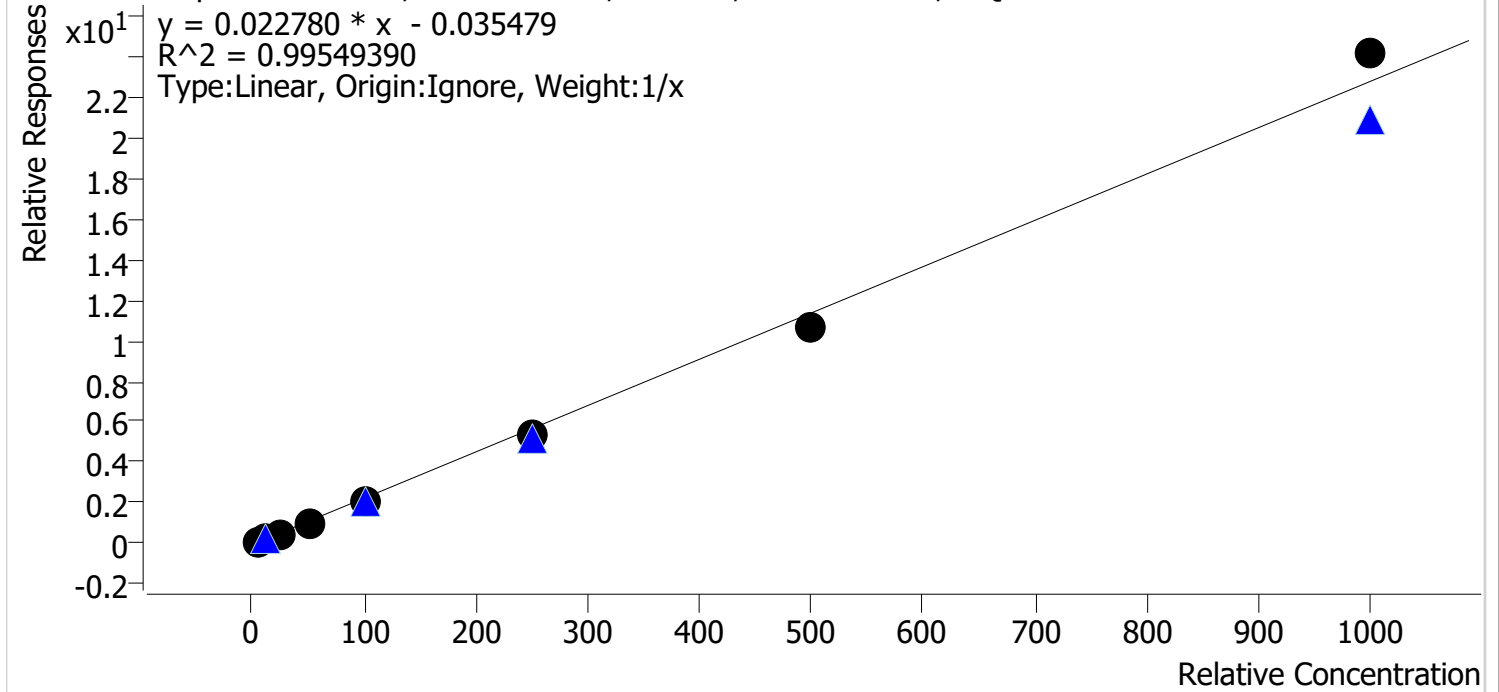
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	24.6	98.6
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	492.5	98.5
cal 8 mdq	8	✓	1000.0	1009.1	100.9

# Compound Calibration Report



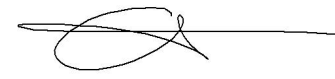
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



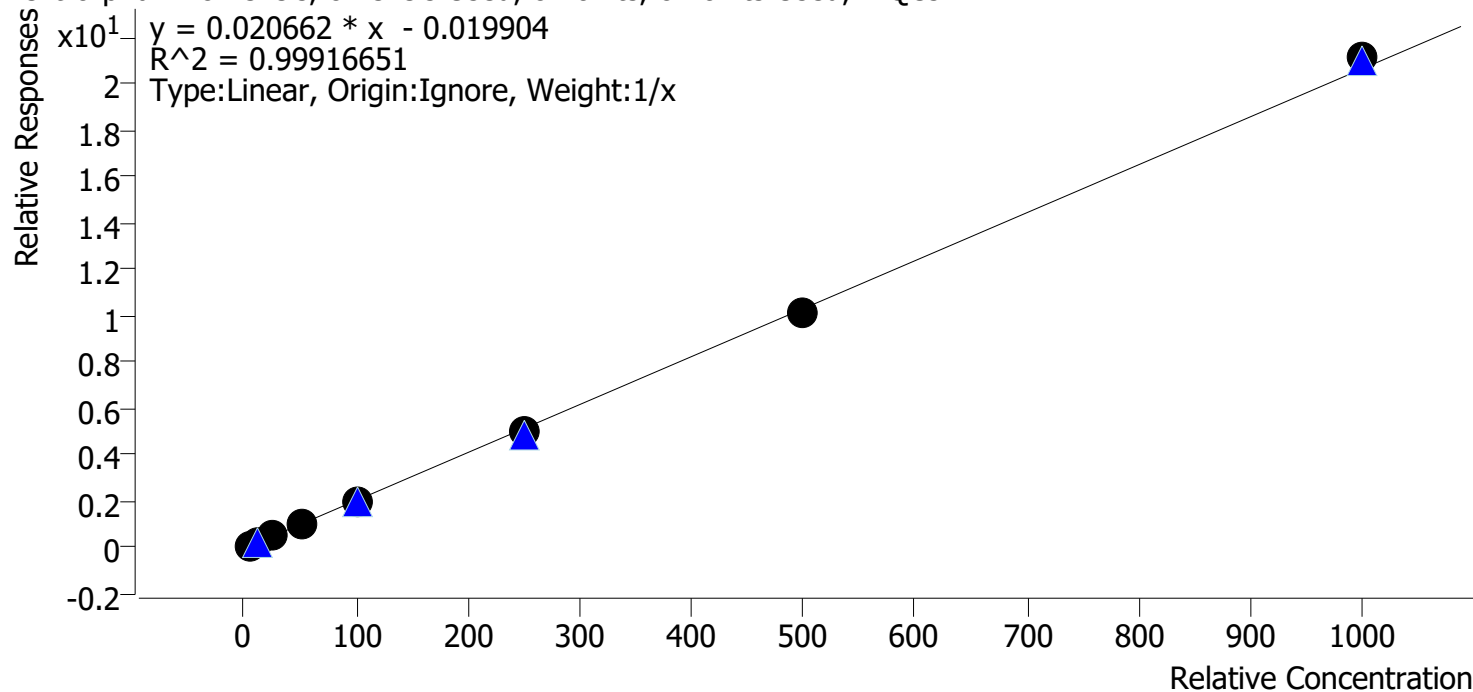
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.9	118.6
cal 2 mdq	2	✓	10.0	10.6	105.6
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	47.3	94.7
cal 5 mdq	5	✓	100.0	91.2	91.2
cal 6 mdq	6	✓	250.0	233.6	93.4
cal 7 mdq	7	✓	500.0	467.0	93.4
cal 8 mdq	8	✓	1000.0	1060.1	106.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



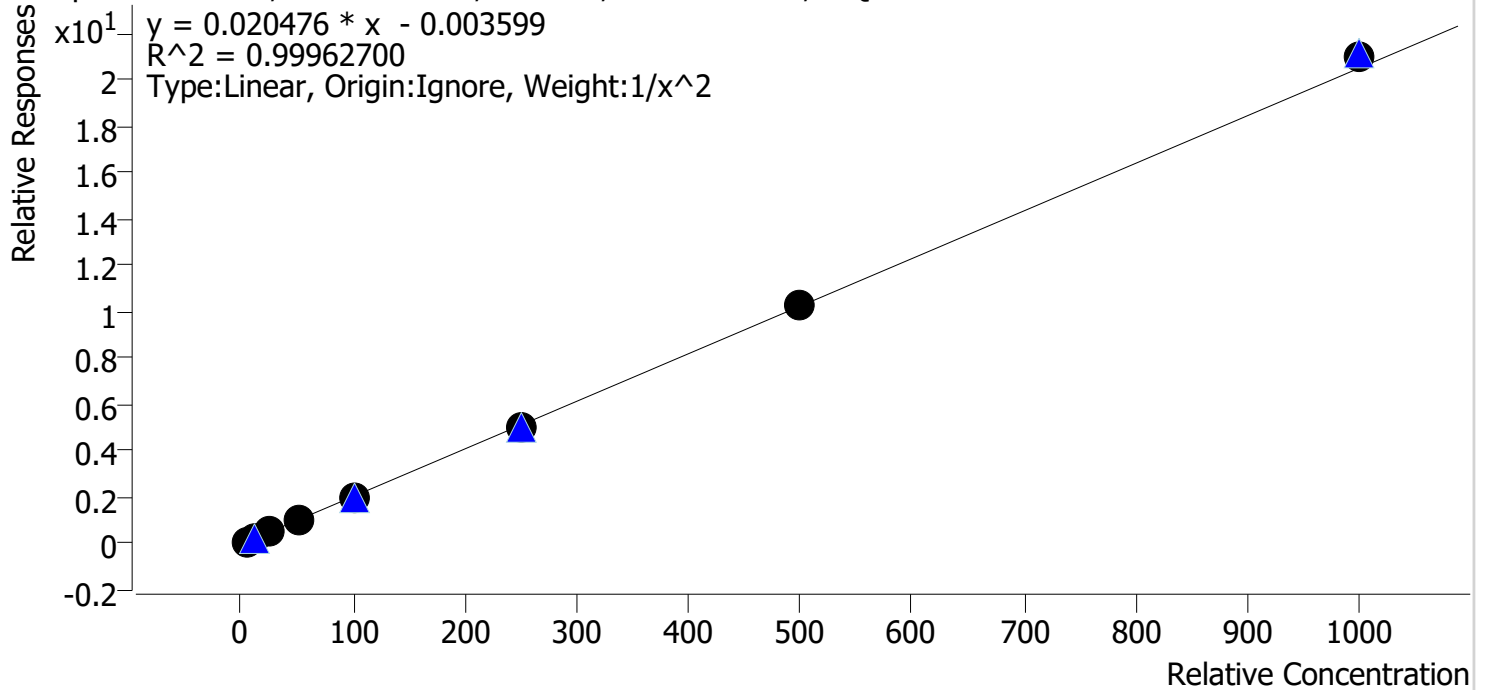
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	112.9
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	23.9	95.8
cal 4 mdq	4	✓	50.0	48.1	96.3
cal 5 mdq	5	✓	100.0	94.9	94.9
cal 6 mdq	6	✓	250.0	240.4	96.2
cal 7 mdq	7	✓	500.0	493.2	98.6
cal 8 mdq	8	✓	1000.0	1023.5	102.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	245.5	98.2
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	1027.3	102.7

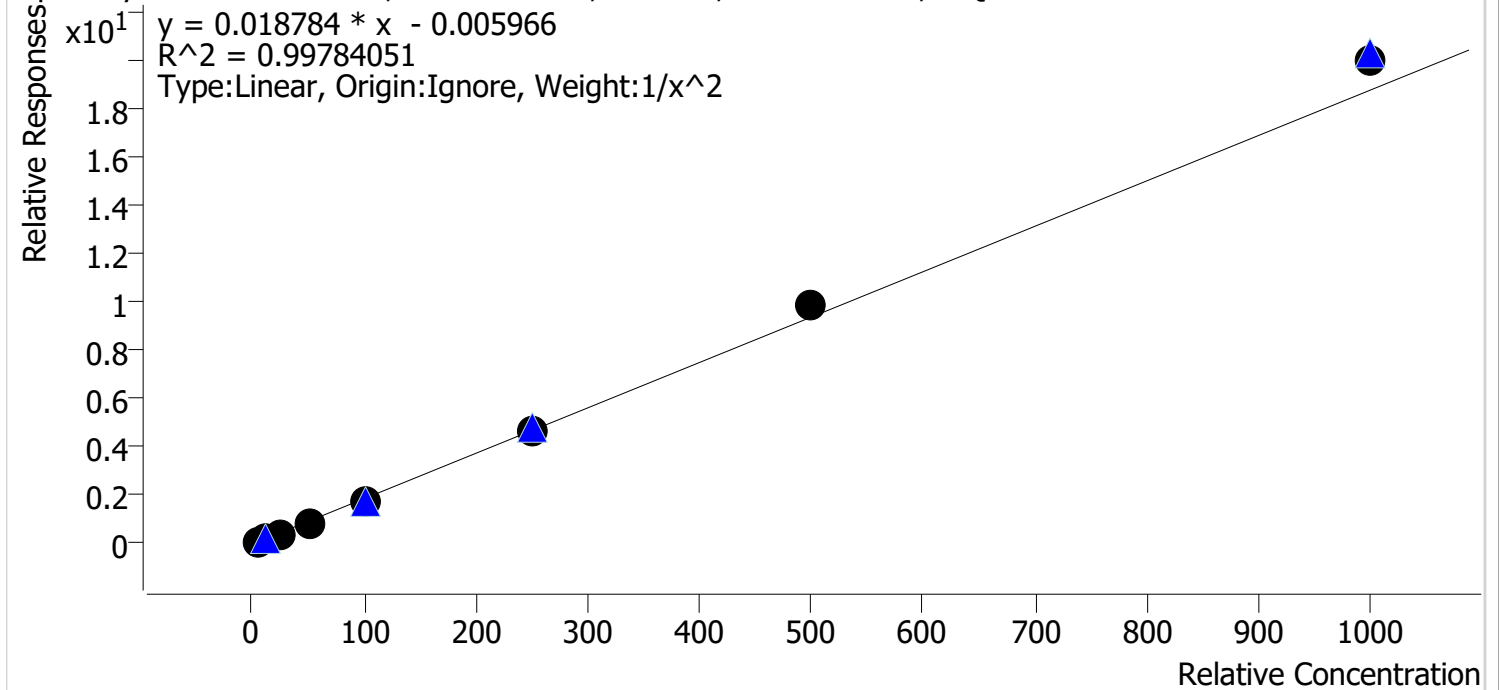


# Compound Calibration Report



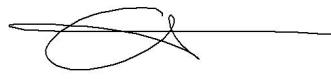
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



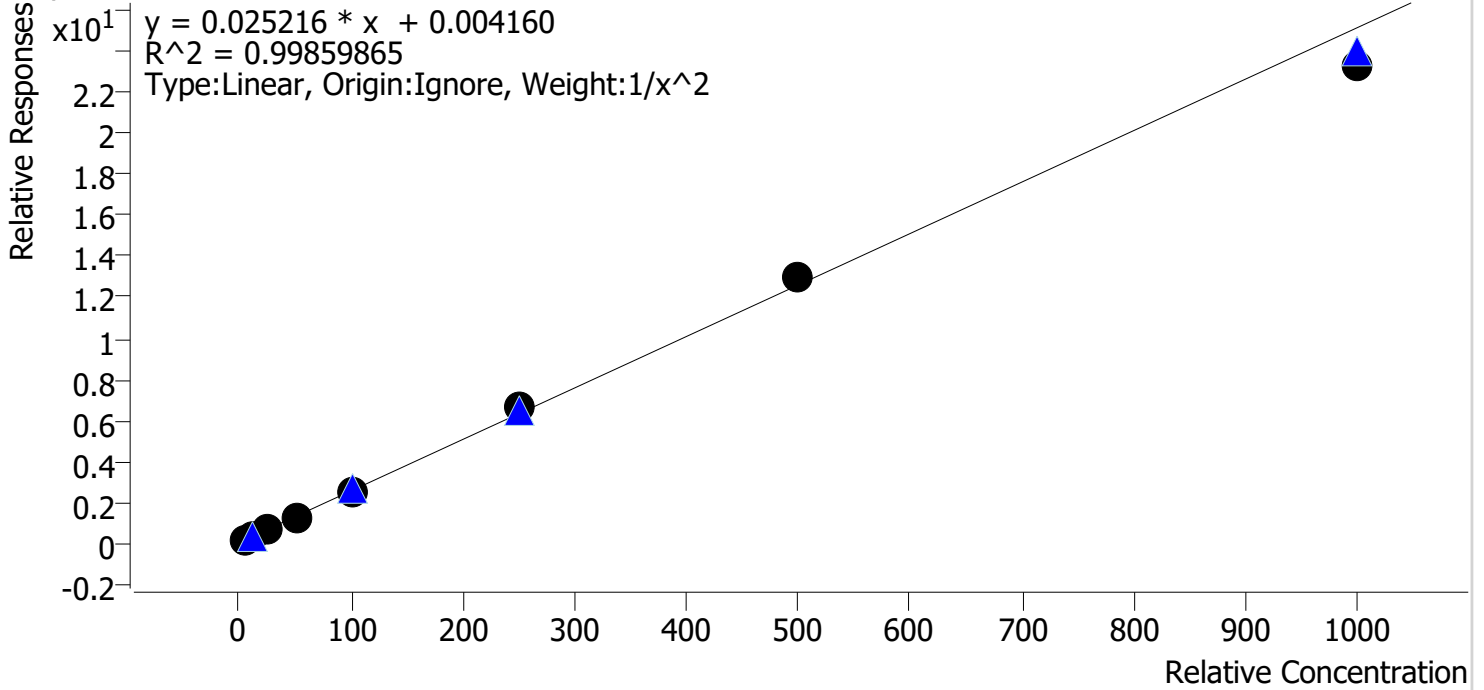
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	48.2	96.4
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	522.4	104.5
cal 8 mdq	8	✓	1000.0	1063.2	106.3

# Compound Calibration Report



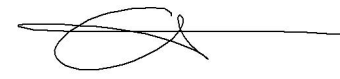
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



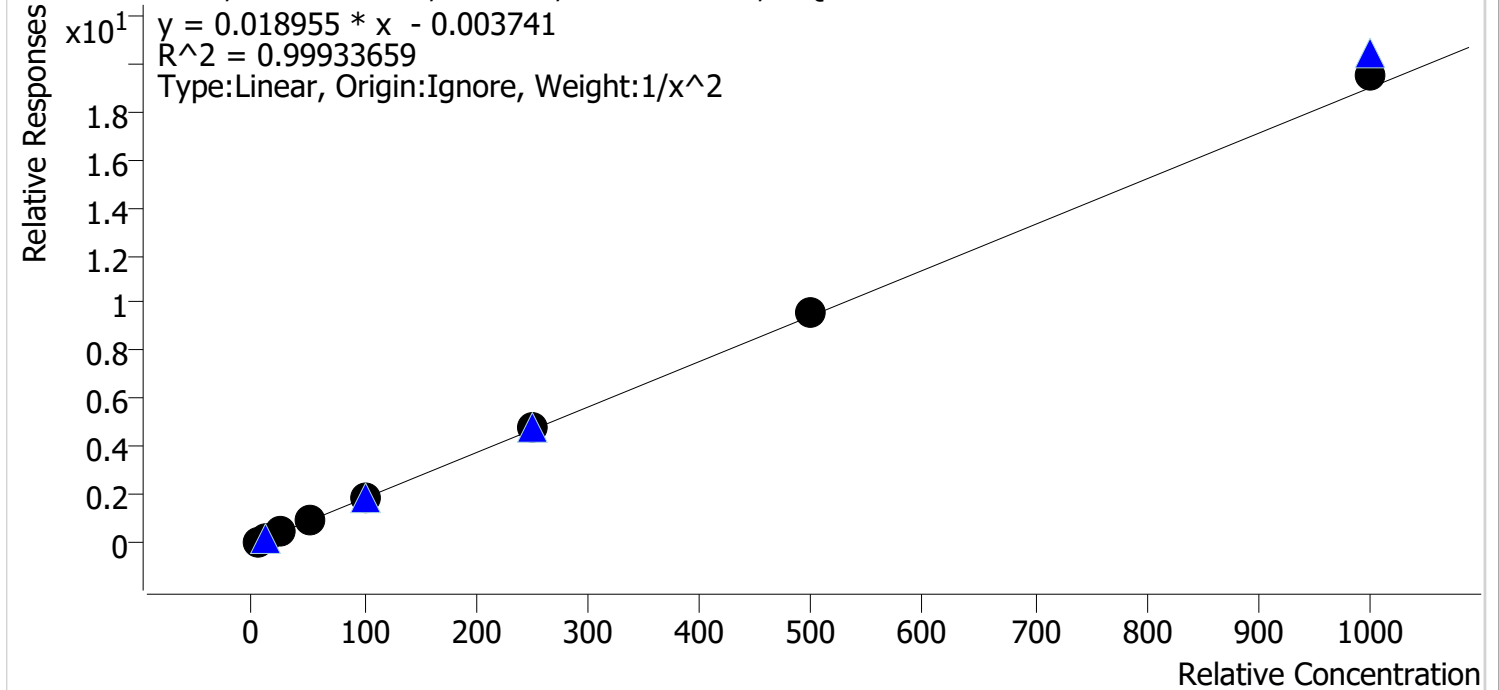
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	259.6	103.8
cal 7 mdq	7	✓	500.0	514.6	102.9
cal 8 mdq	8	✓	1000.0	929.0	92.9

# Compound Calibration Report



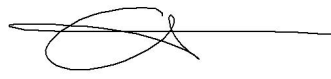
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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

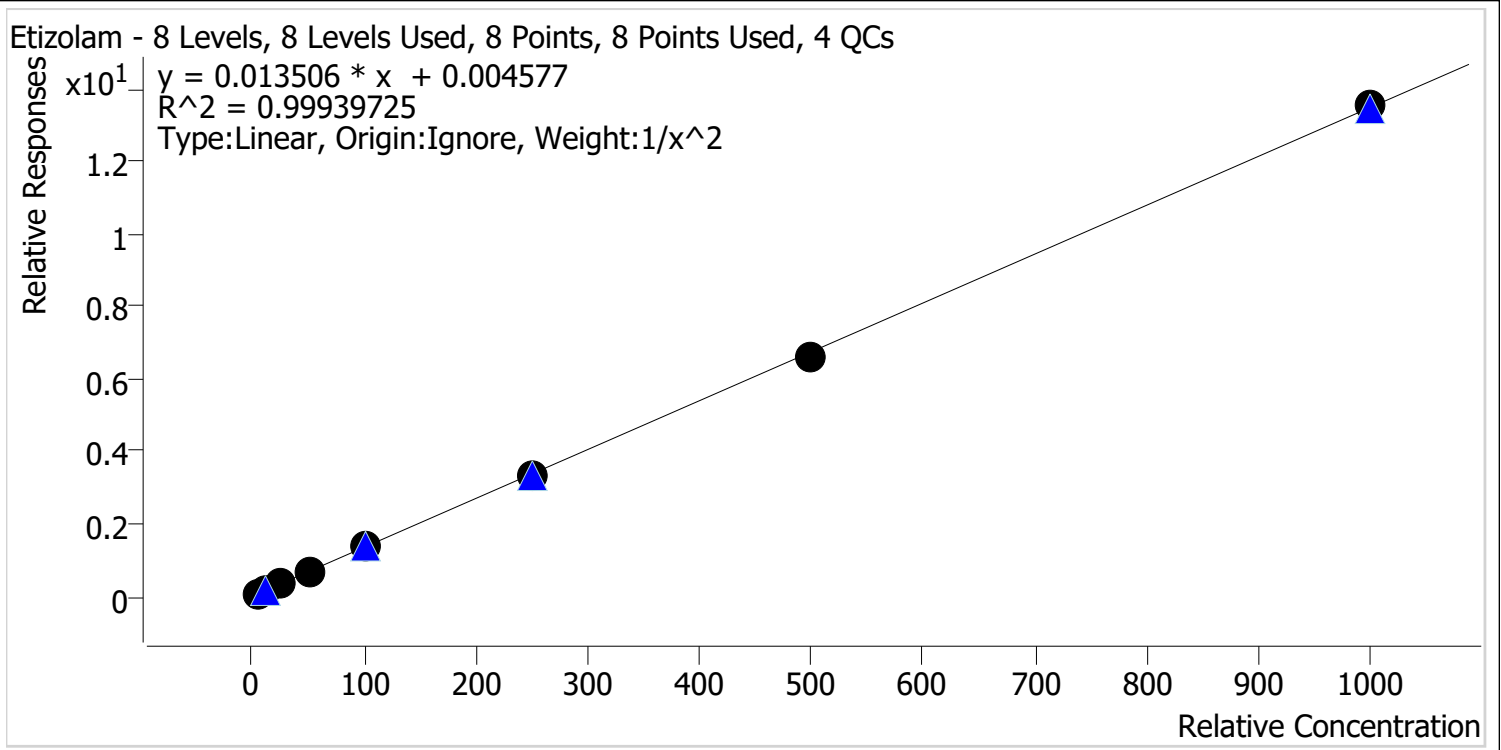


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	255.2	102.1
cal 7 mdq	7	✓	500.0	508.4	101.7
cal 8 mdq	8	✓	1000.0	1025.2	102.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Diazepam-D5



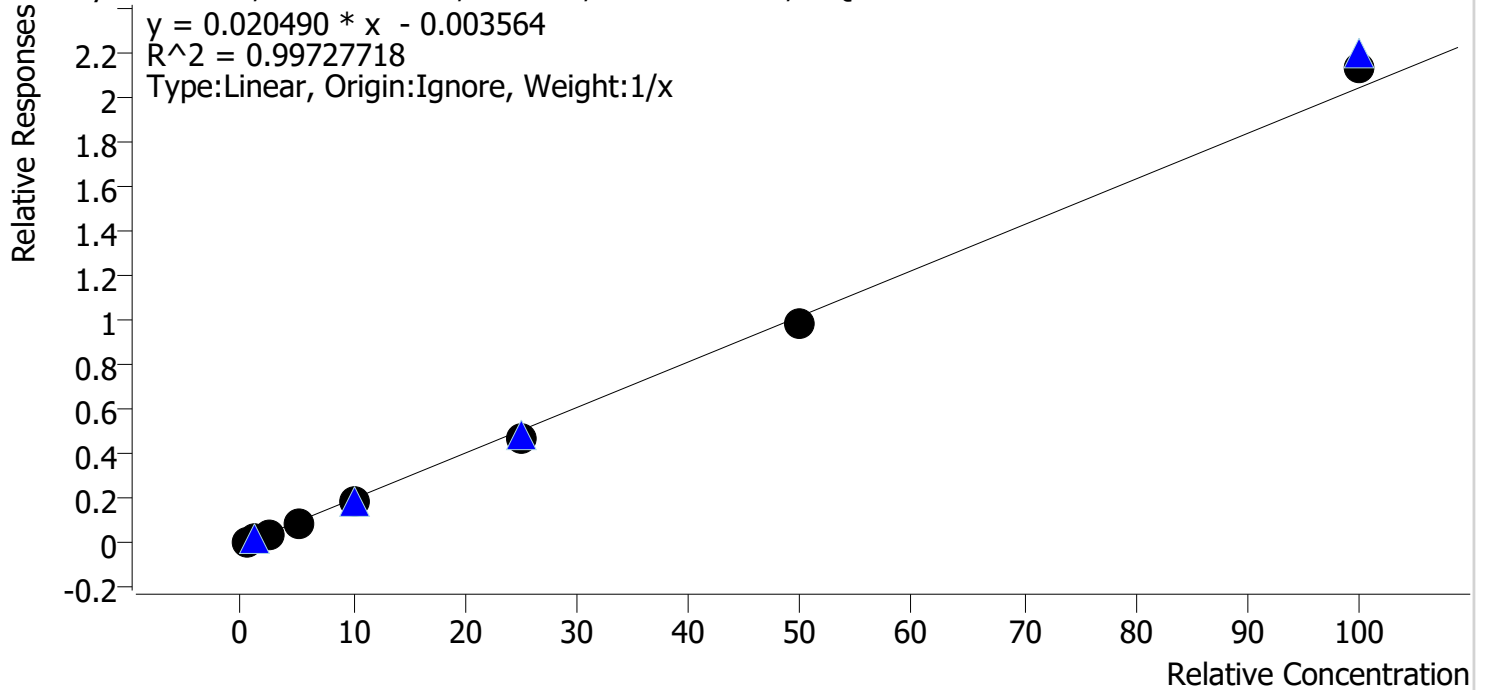
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.3	102.8
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	243.5	97.4
cal 7 mdq	7	✓	500.0	489.6	97.9
cal 8 mdq	8	✓	1000.0	1003.9	100.4

# Compound Calibration Report



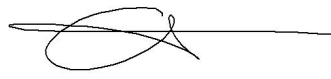
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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

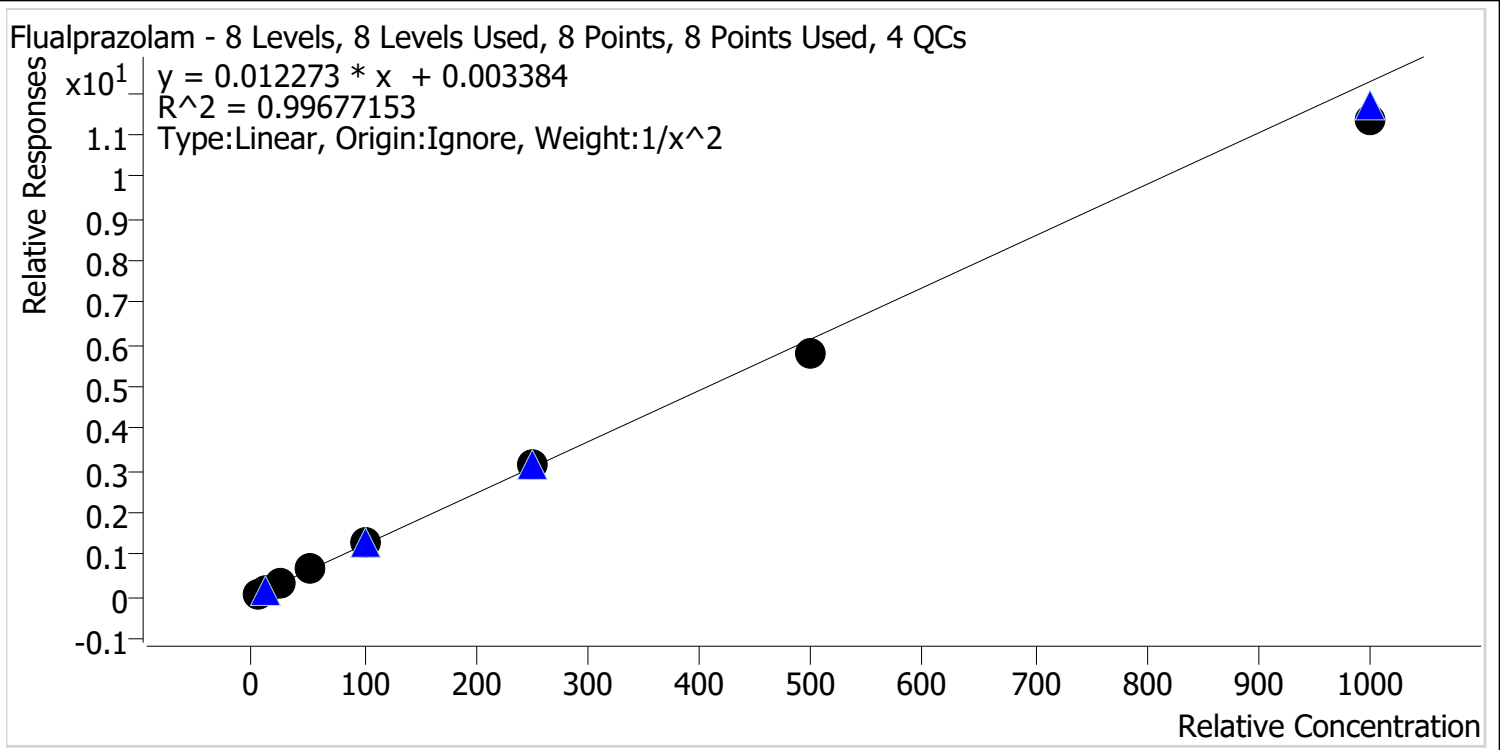


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	125.3
cal 2 mdq	2	✓	1.0	1.0	101.9
cal 3 mdq	3	✓	2.5	2.4	95.4
cal 4 mdq	4	✓	5.0	4.6	91.4
cal 5 mdq	5	✓	10.0	9.1	90.5
cal 6 mdq	6	✓	25.0	23.5	94.2
cal 7 mdq	7	✓	50.0	48.5	96.9
cal 8 mdq	8	✓	100.0	104.3	104.3

# Compound Calibration Report

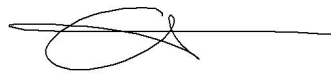


**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

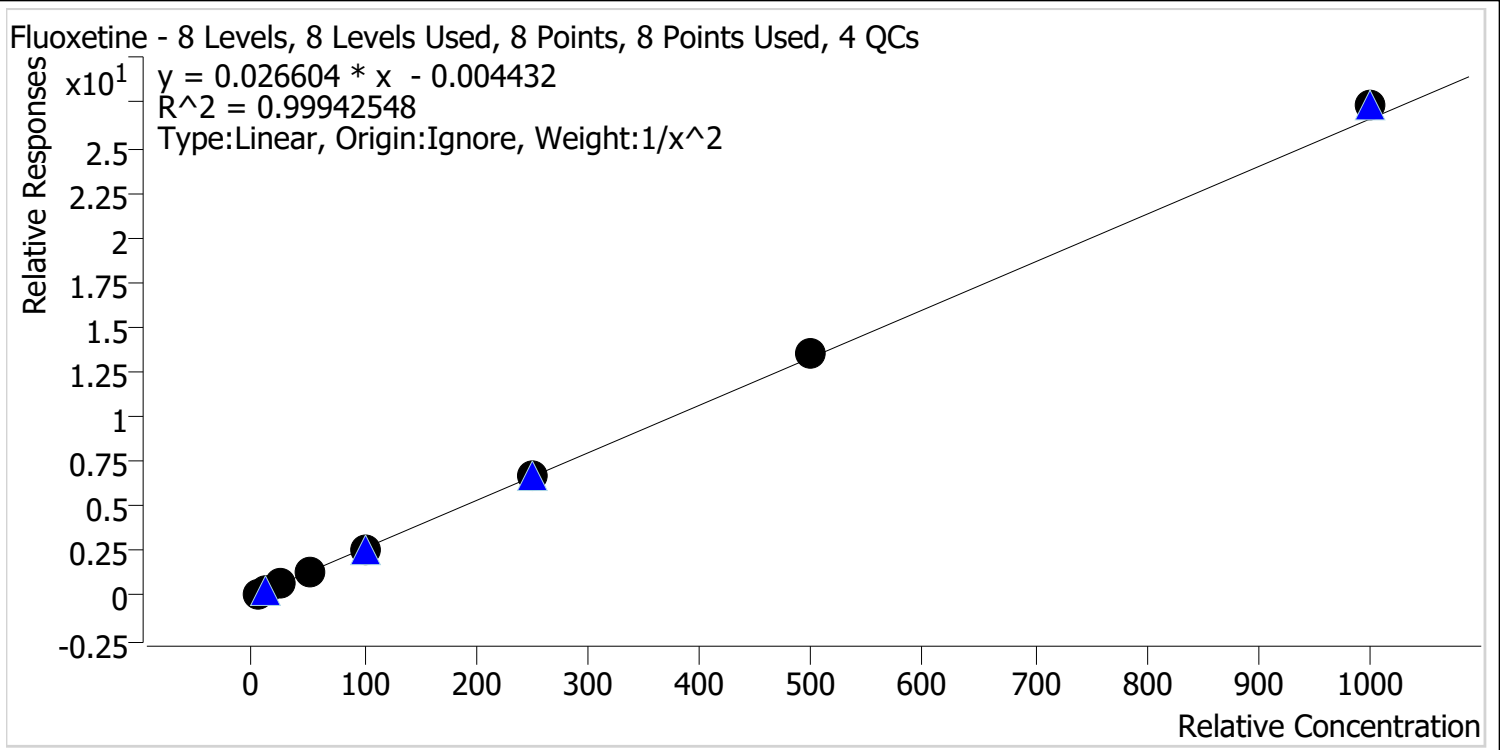


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	107.4	107.4
cal 6 mdq	6	✓	250.0	258.9	103.6
cal 7 mdq	7	✓	500.0	473.1	94.6
cal 8 mdq	8	✓	1000.0	926.1	92.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



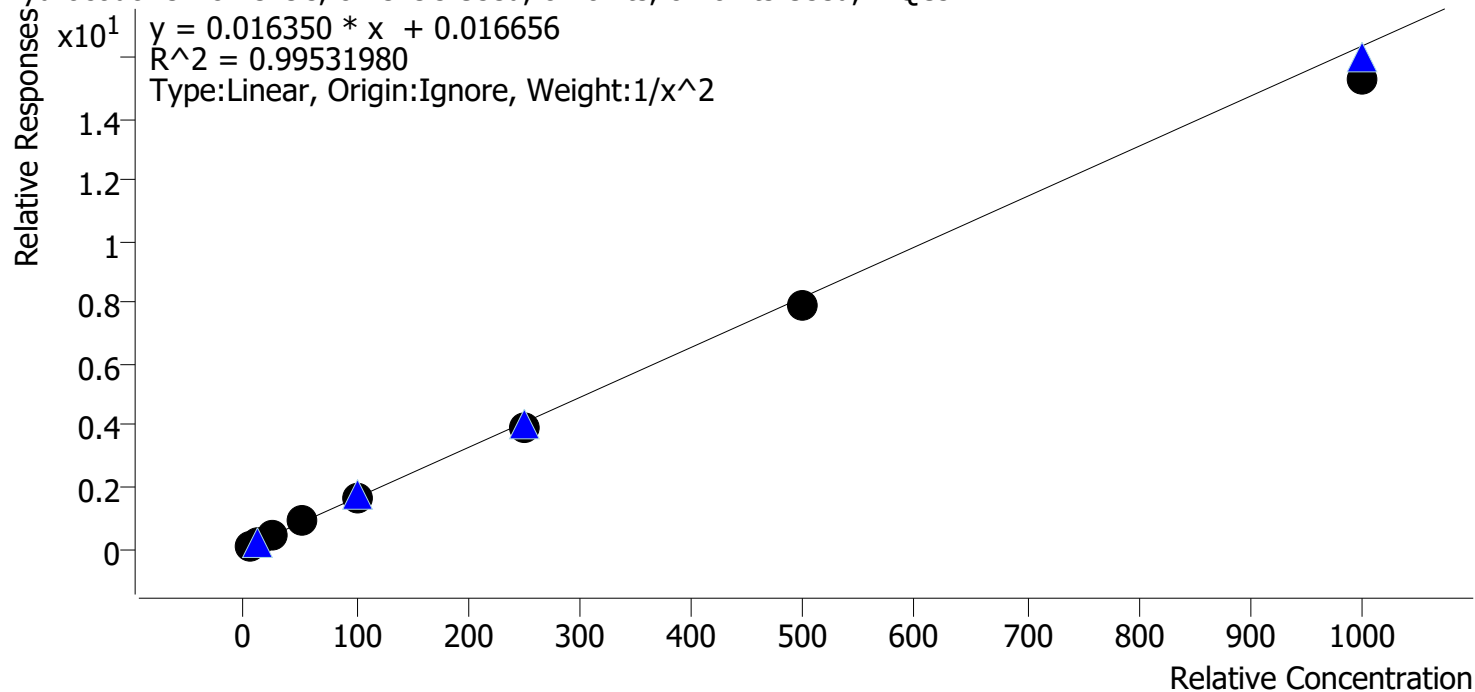
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	505.4	101.1
cal 8 mdq	8	✓	1000.0	1025.8	102.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**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	94.9
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	54.2	108.4
cal 5 mdq	5	✓	100.0	97.8	97.8
cal 6 mdq	6	✓	250.0	242.7	97.1
cal 7 mdq	7	✓	500.0	480.2	96.0
cal 8 mdq	8	✓	1000.0	933.9	93.4

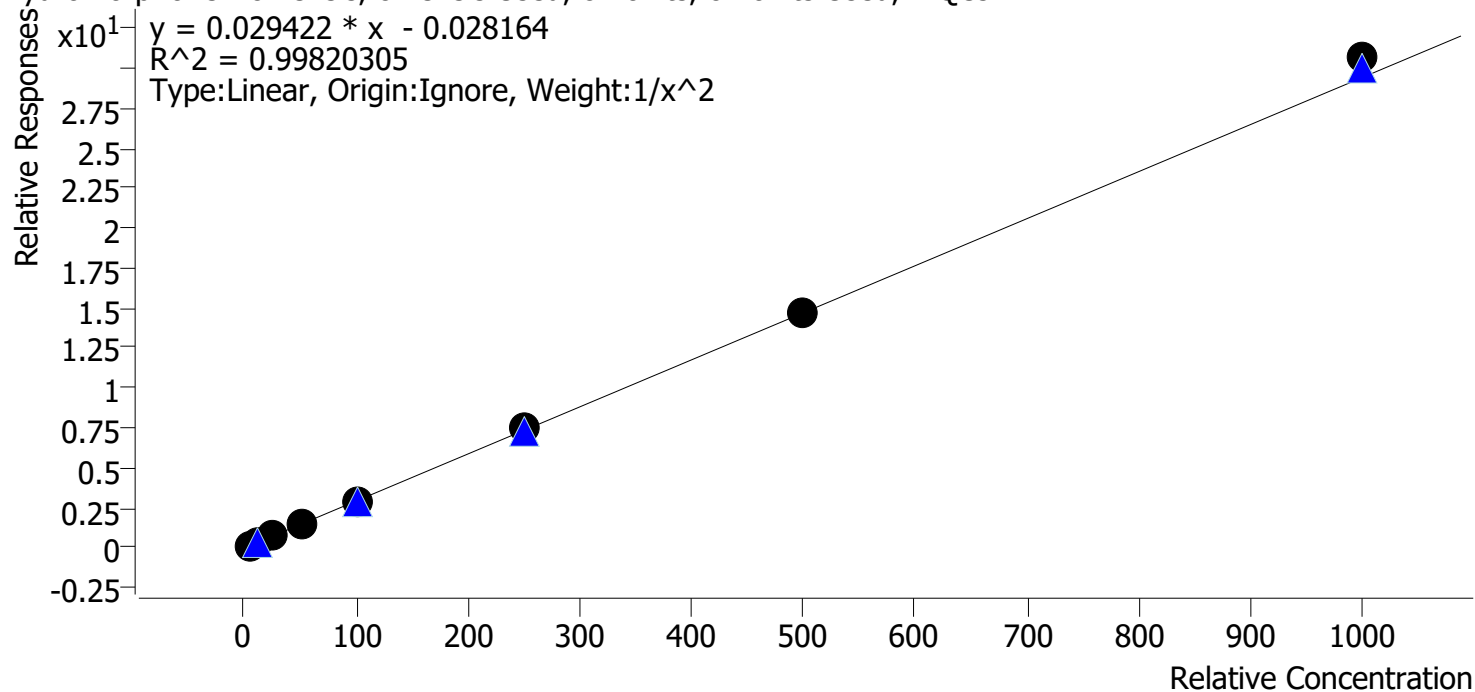


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



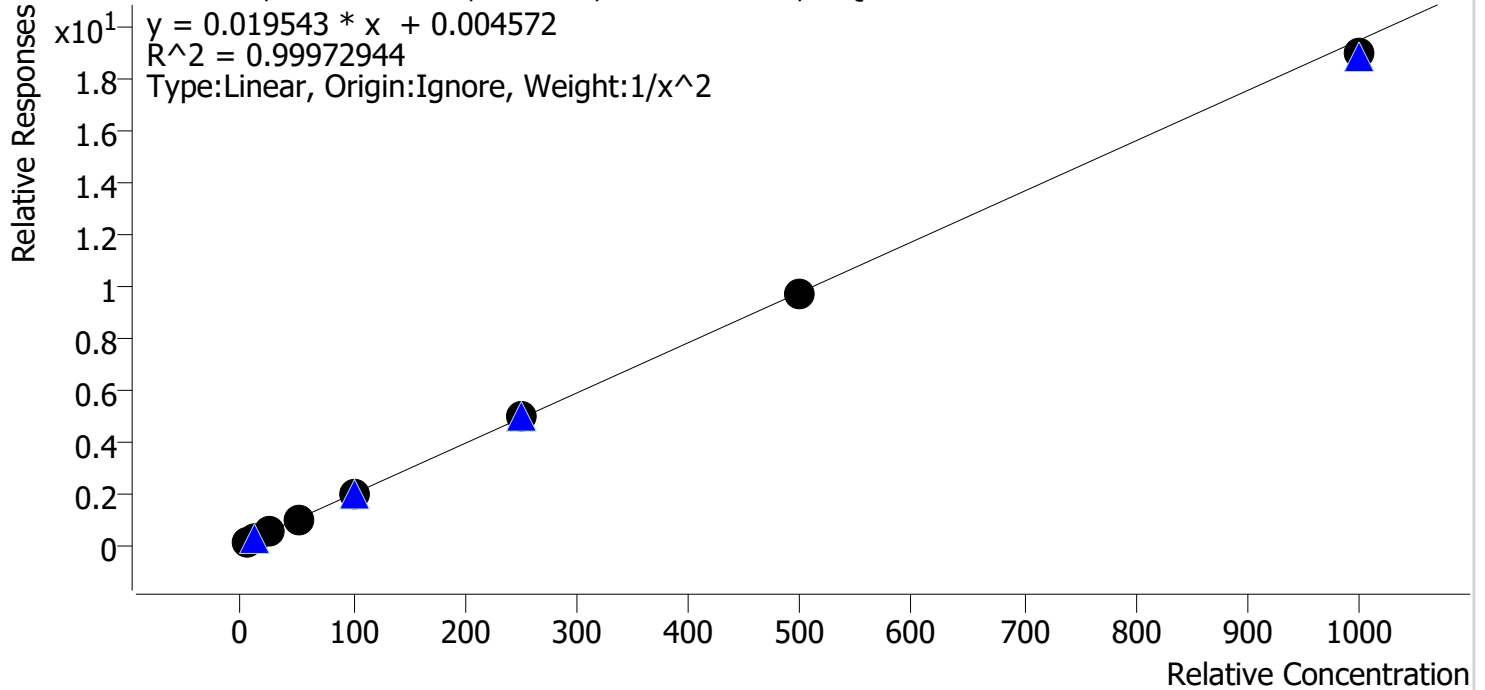
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	47.4	94.7
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	1042.4	104.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

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



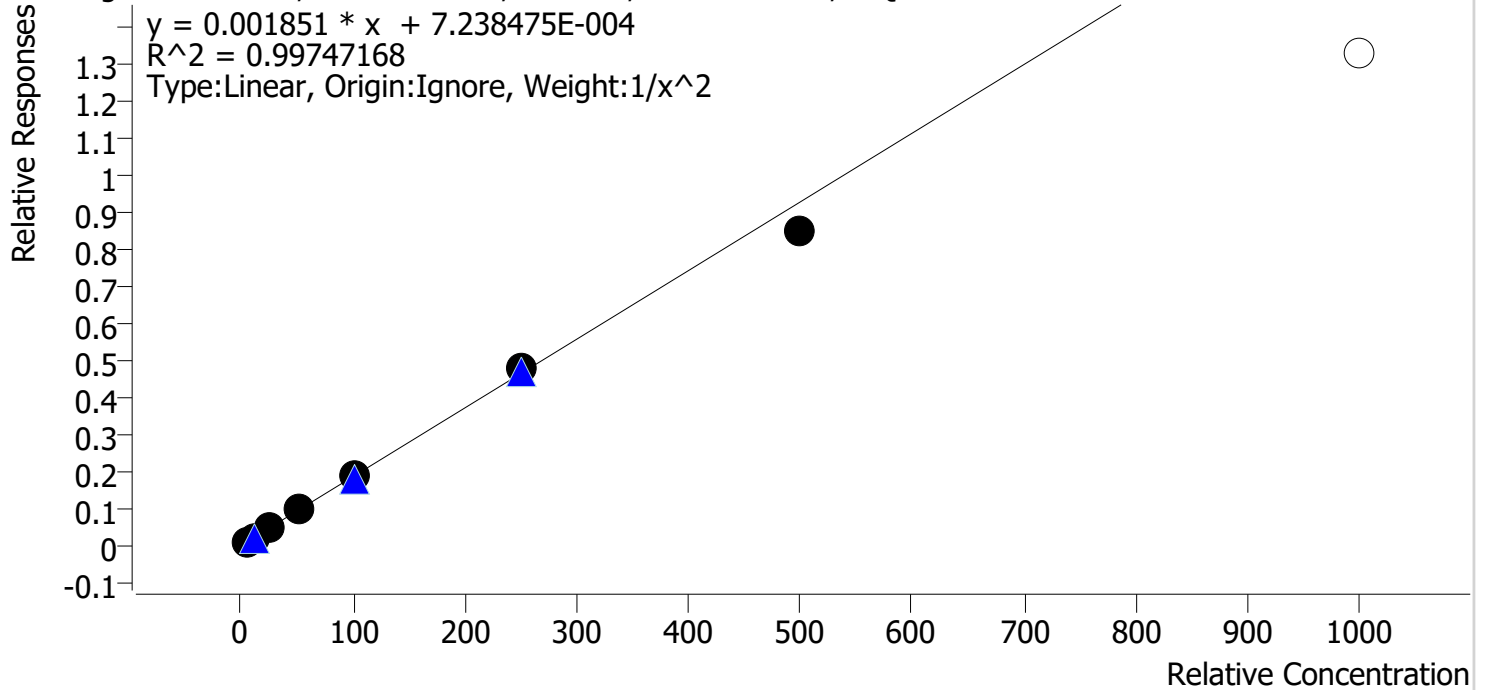
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	495.3	99.1
cal 8 mdq	8	✓	1000.0	973.4	97.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\lam 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** MDA-D5

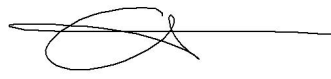
Lamotrigine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



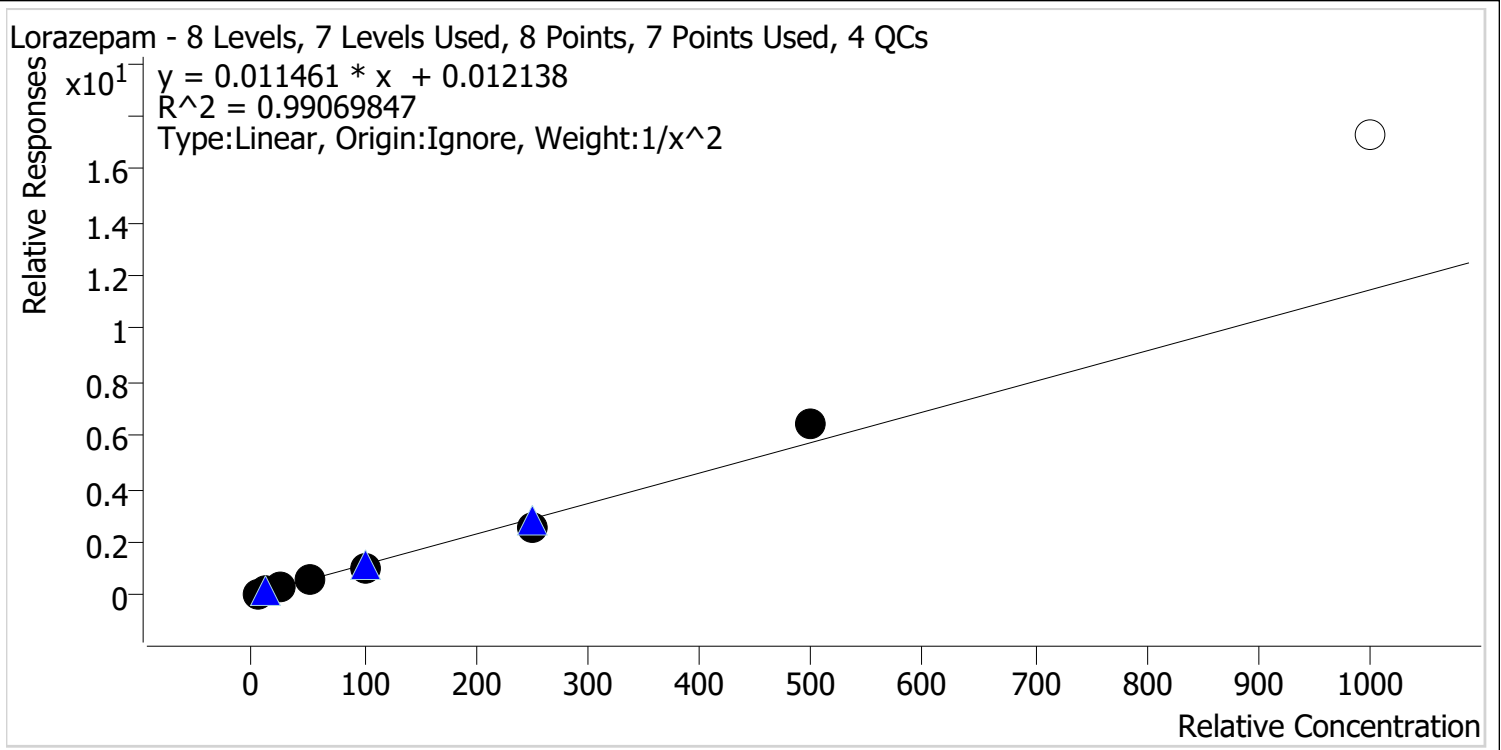
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	259.9	103.9
cal 7 mdq	7	✓	500.0	456.1	91.2
cal 8 mdq	8	✗	1000.0	716.0	71.6

dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.6	105.5
cal 3 mdq	3	✓	25.0	25.4	101.8
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	92.7	92.7
cal 6 mdq	6	✓	250.0	220.5	88.2
cal 7 mdq	7	✓	500.0	564.1	112.8
cal 8 mdq	8	✗	1000.0	1507.2	150.7

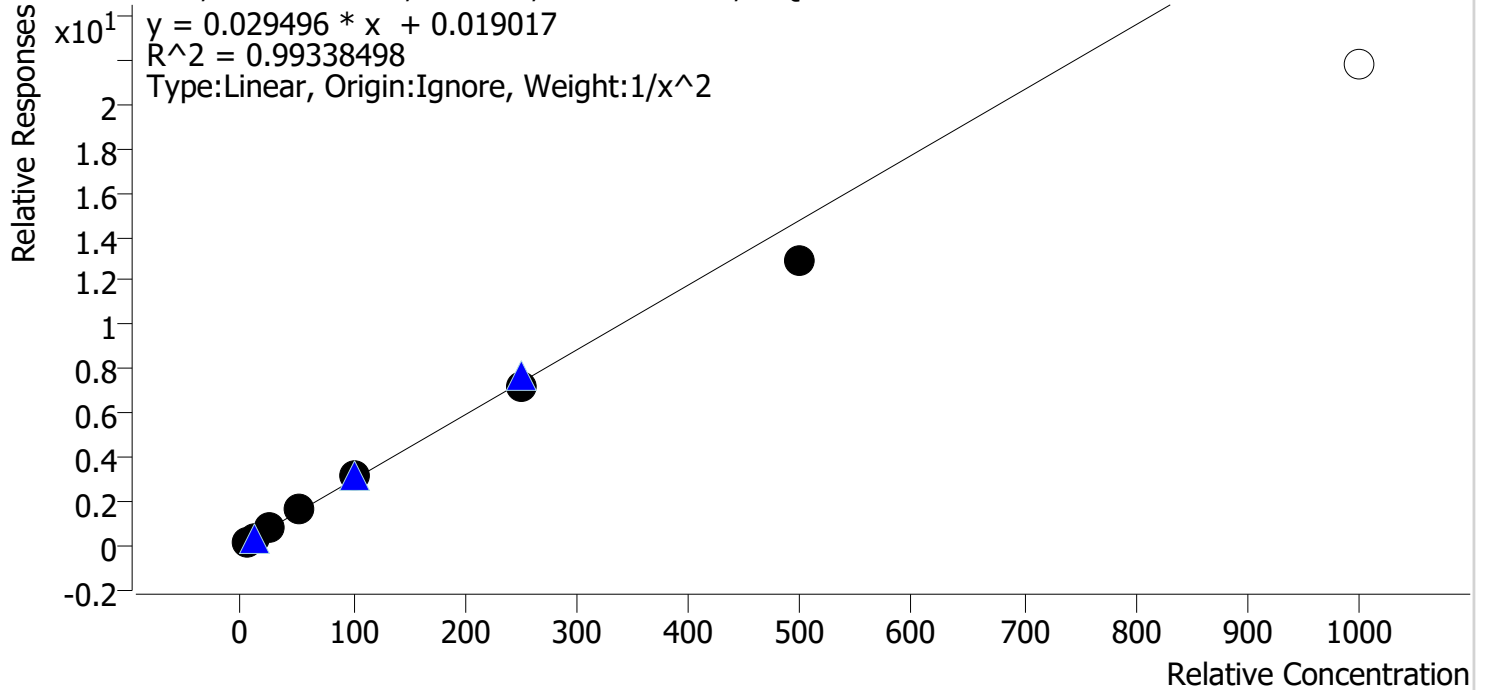
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

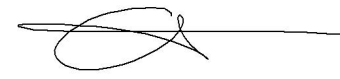
MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.3	102.8
cal 3 mdq	3	✓	25.0	26.6	106.4
cal 4 mdq	4	✓	50.0	53.0	106.0
cal 5 mdq	5	✓	100.0	104.1	104.1
cal 6 mdq	6	✓	250.0	241.9	96.8
cal 7 mdq	7	✓	500.0	436.2	87.2
cal 8 mdq	8	✗	1000.0	742.4	74.2

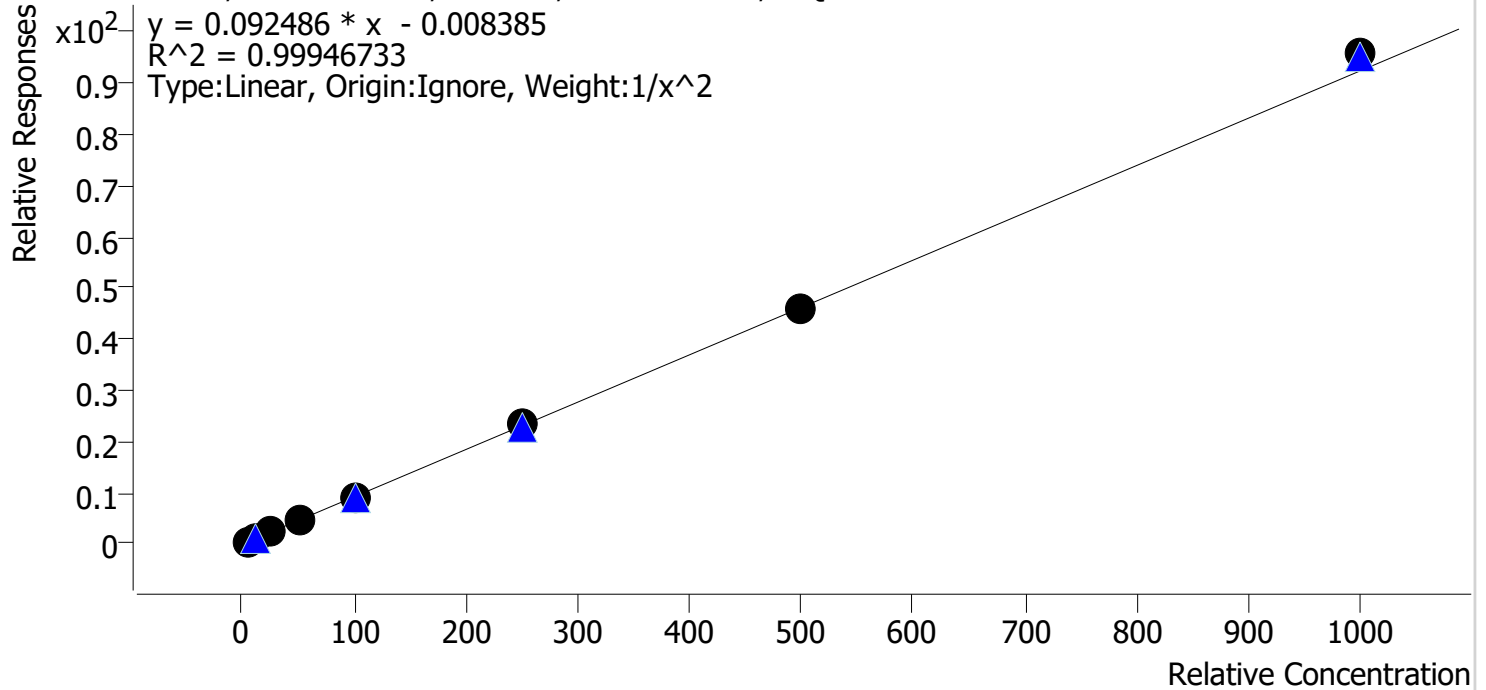
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**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	5.1	101.1
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	497.1	99.4
cal 8 mdq	8	✓	1000.0	1036.5	103.7

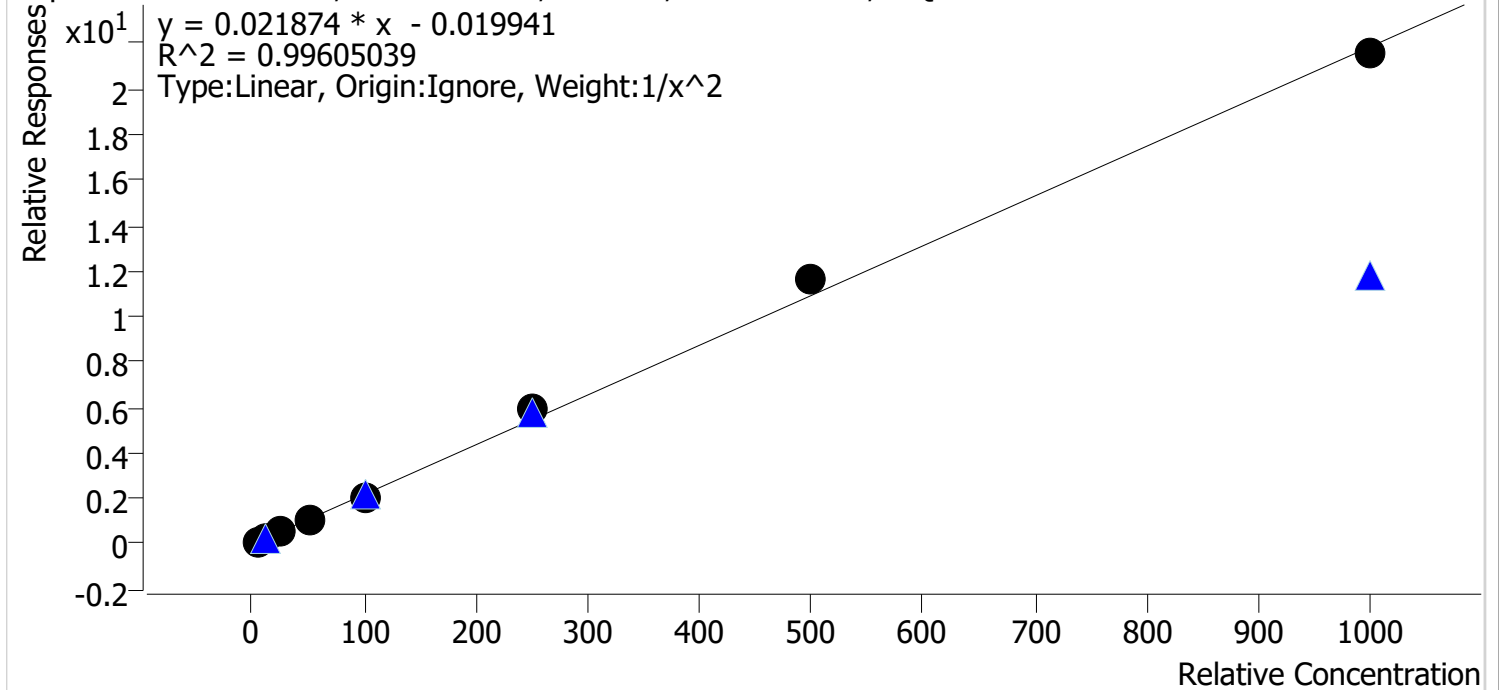
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate

**Internal Standard** Carisoprodol-D7

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



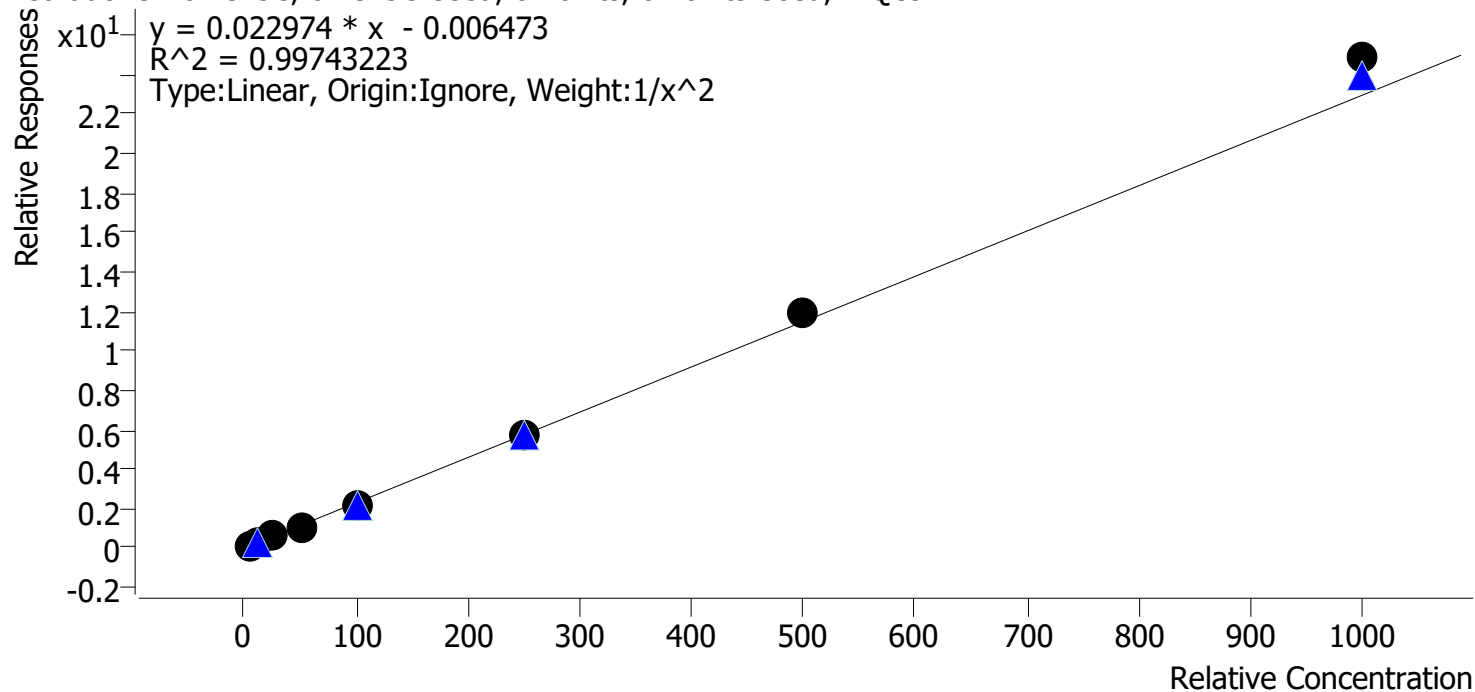
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	48.0	95.9
cal 5 mdq	5	✓	100.0	93.7	93.7
cal 6 mdq	6	✓	250.0	273.0	109.2
cal 7 mdq	7	✓	500.0	531.2	106.2
cal 8 mdq	8	✓	1000.0	986.3	98.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

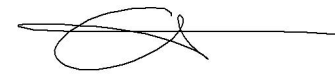
Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	47.8	95.5
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	248.6	99.5
cal 7 mdq	7	✓	500.0	516.9	103.4
cal 8 mdq	8	✓	1000.0	1083.1	108.3

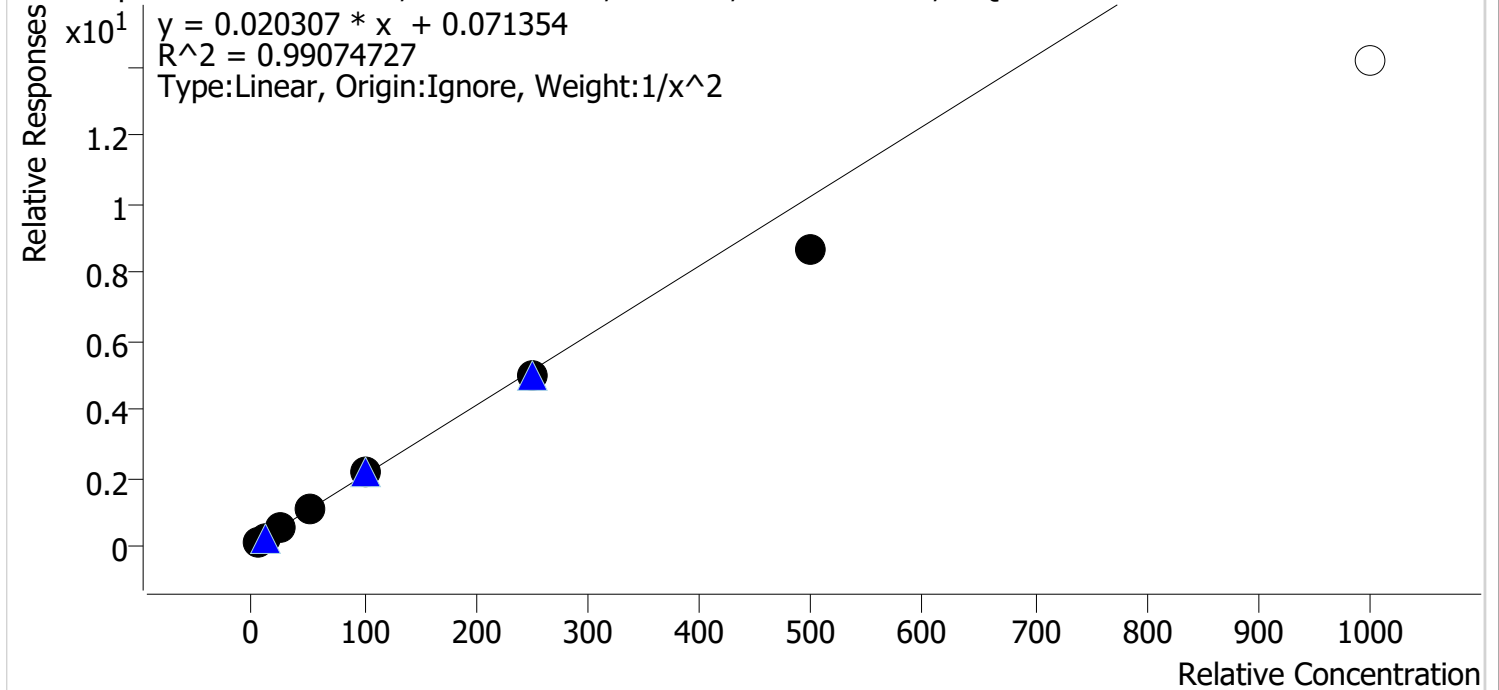


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**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	96.1
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	26.8	107.3
cal 4 mdq	4	✓	50.0	54.1	108.1
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	242.2	96.9
cal 7 mdq	7	✓	500.0	423.7	84.7
cal 8 mdq	8	✗	1000.0	694.2	69.4

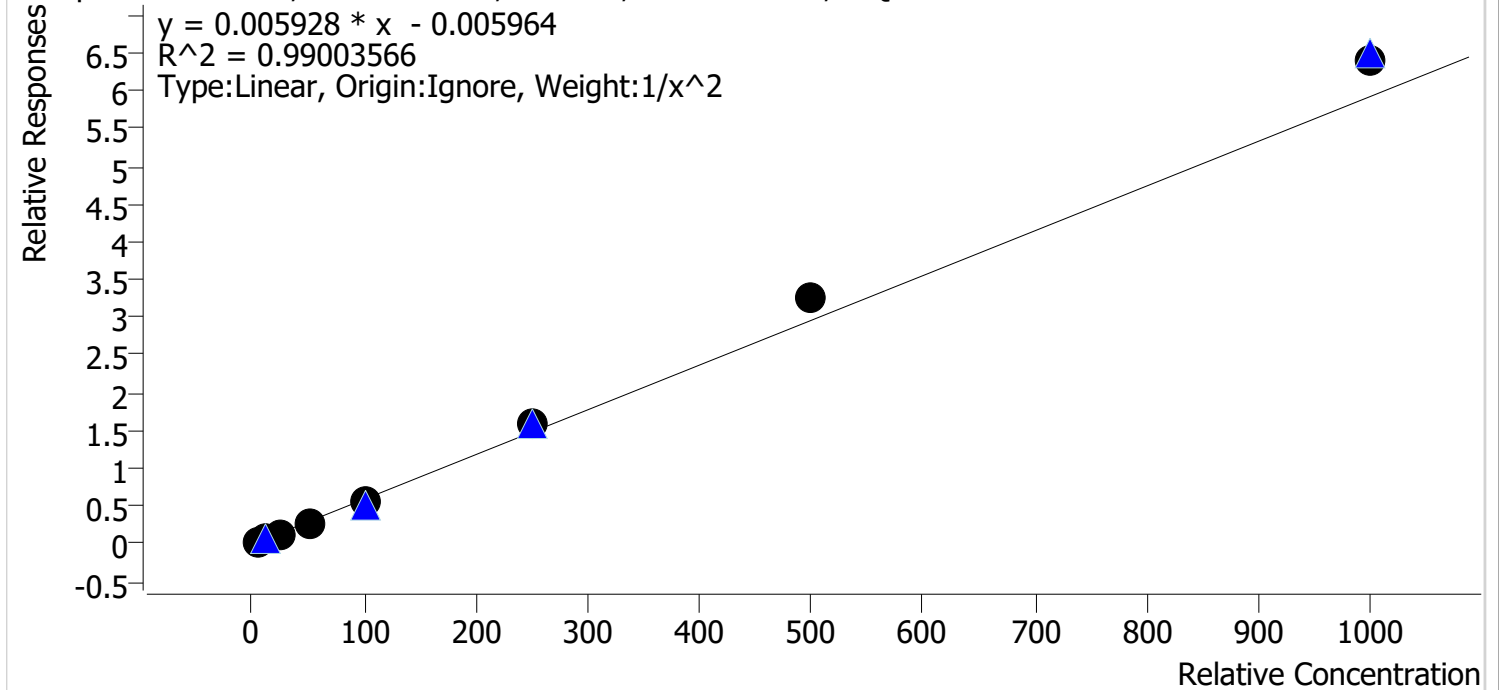
dropped cal 8 due to accuracy

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** MDA-D5

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



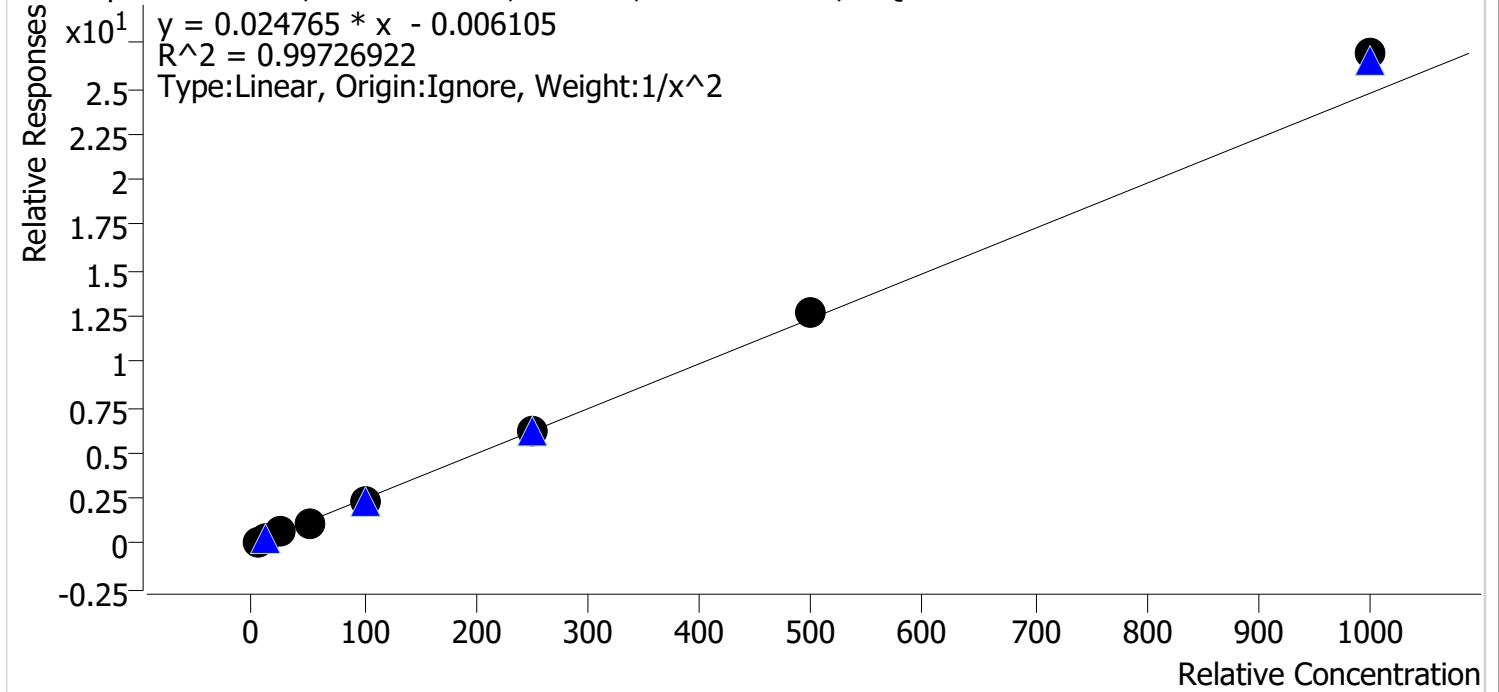
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.7
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	22.5	90.1
cal 4 mdq	4	✓	50.0	44.3	88.5
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	269.2	107.7
cal 7 mdq	7	✓	500.0	548.8	109.8
cal 8 mdq	8	✓	1000.0	1081.2	108.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9

Mirtazapine - 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	98.7
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	46.9	93.7
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	513.7	102.7
cal 8 mdq	8	✓	1000.0	1087.8	108.8

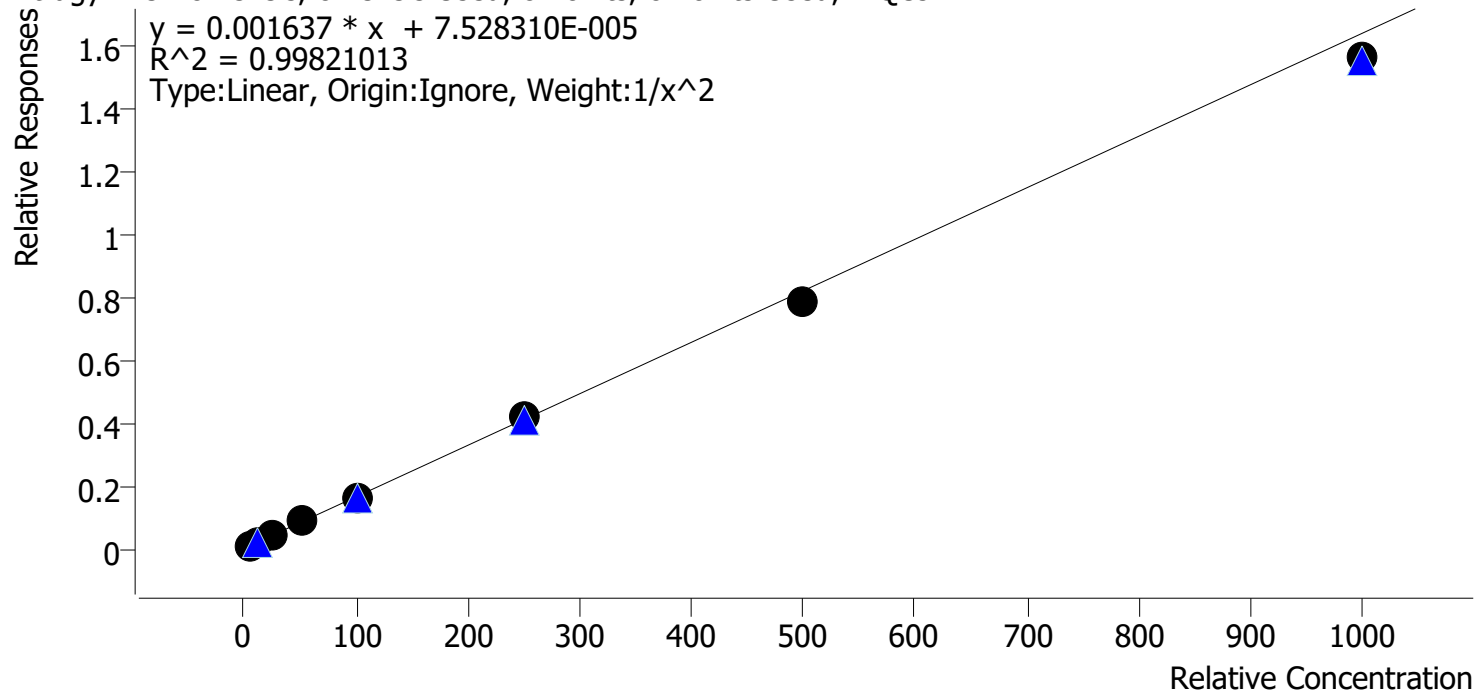
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine

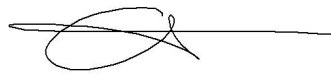
**Internal Standard** Pseudoephedrine-D3

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



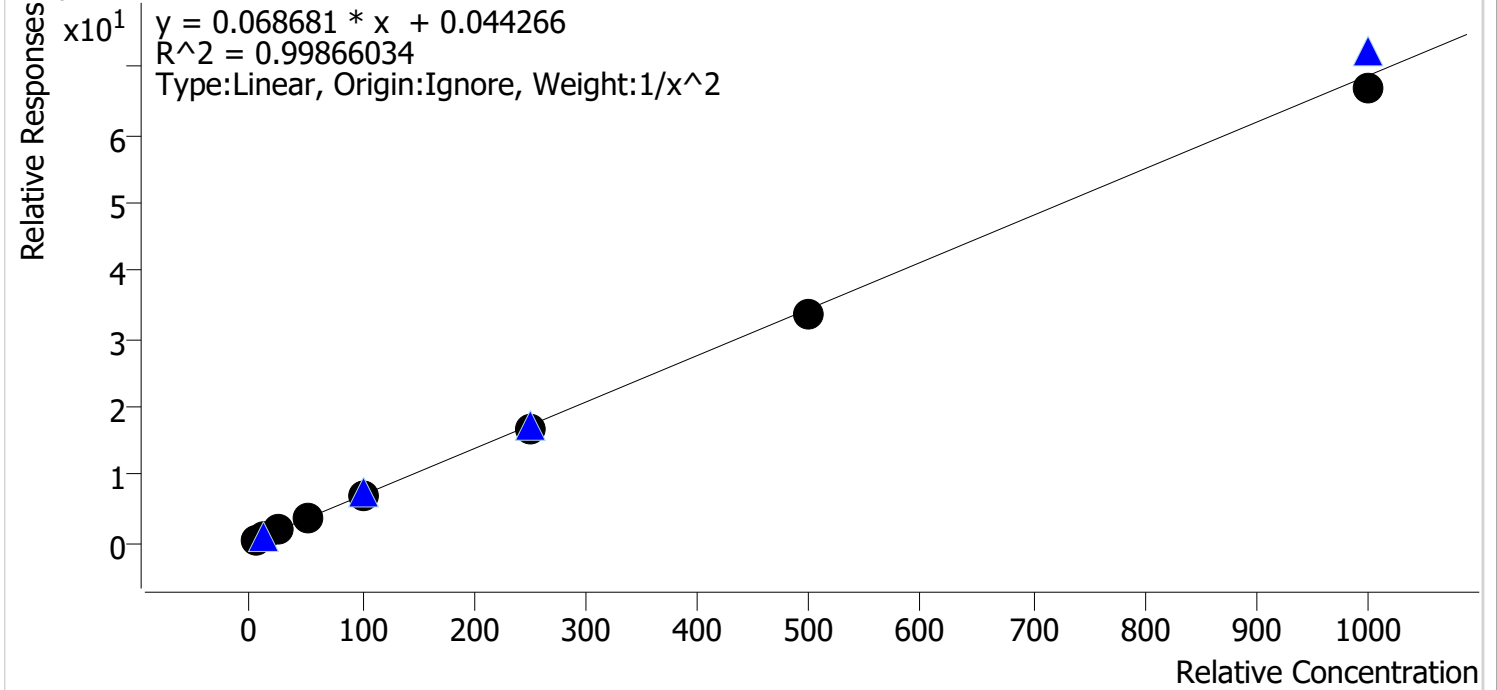
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.3	102.5
cal 3 mdq	3	✓	25.0	26.5	105.9
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	479.0	95.8
cal 8 mdq	8	✓	1000.0	952.8	95.3

# Compound Calibration Report



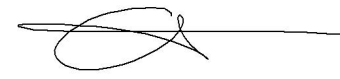
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



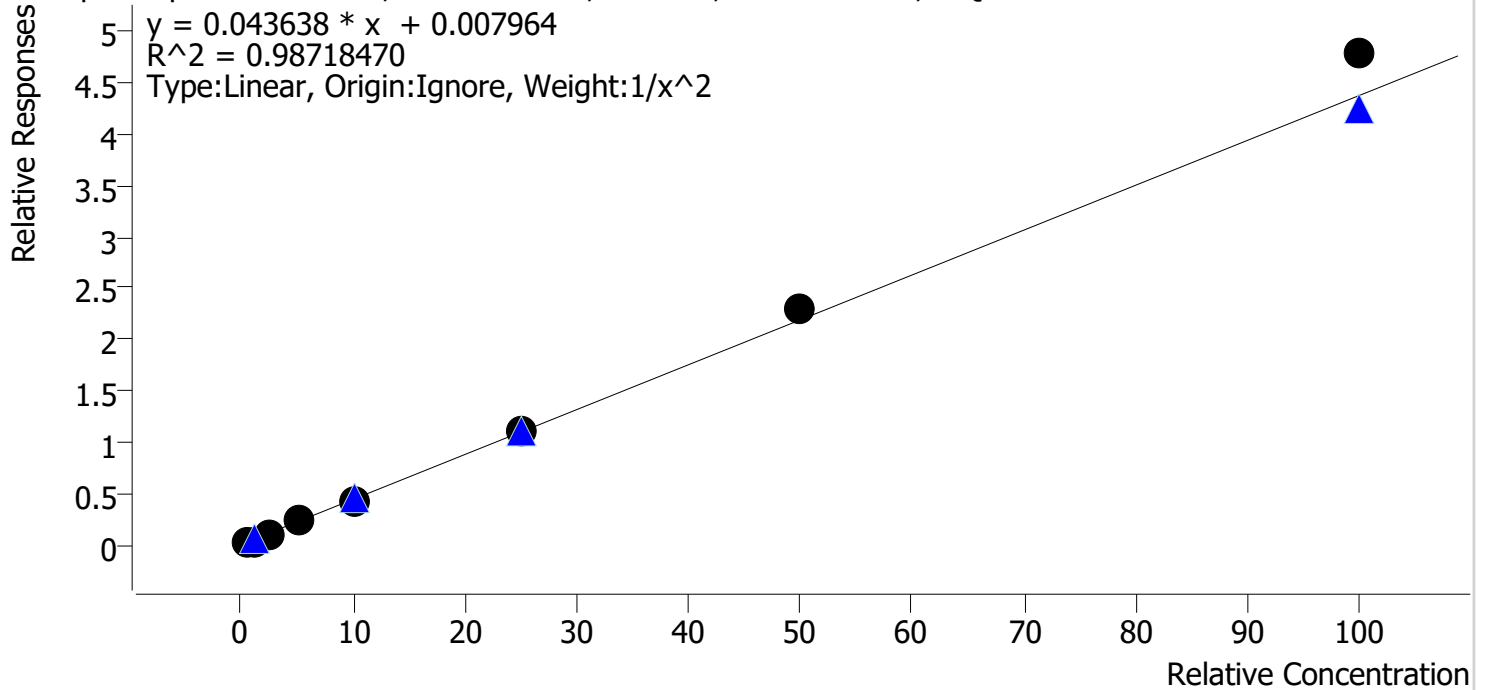
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	240.7	96.3
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	975.5	97.5

# Compound Calibration Report



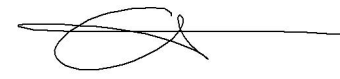
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



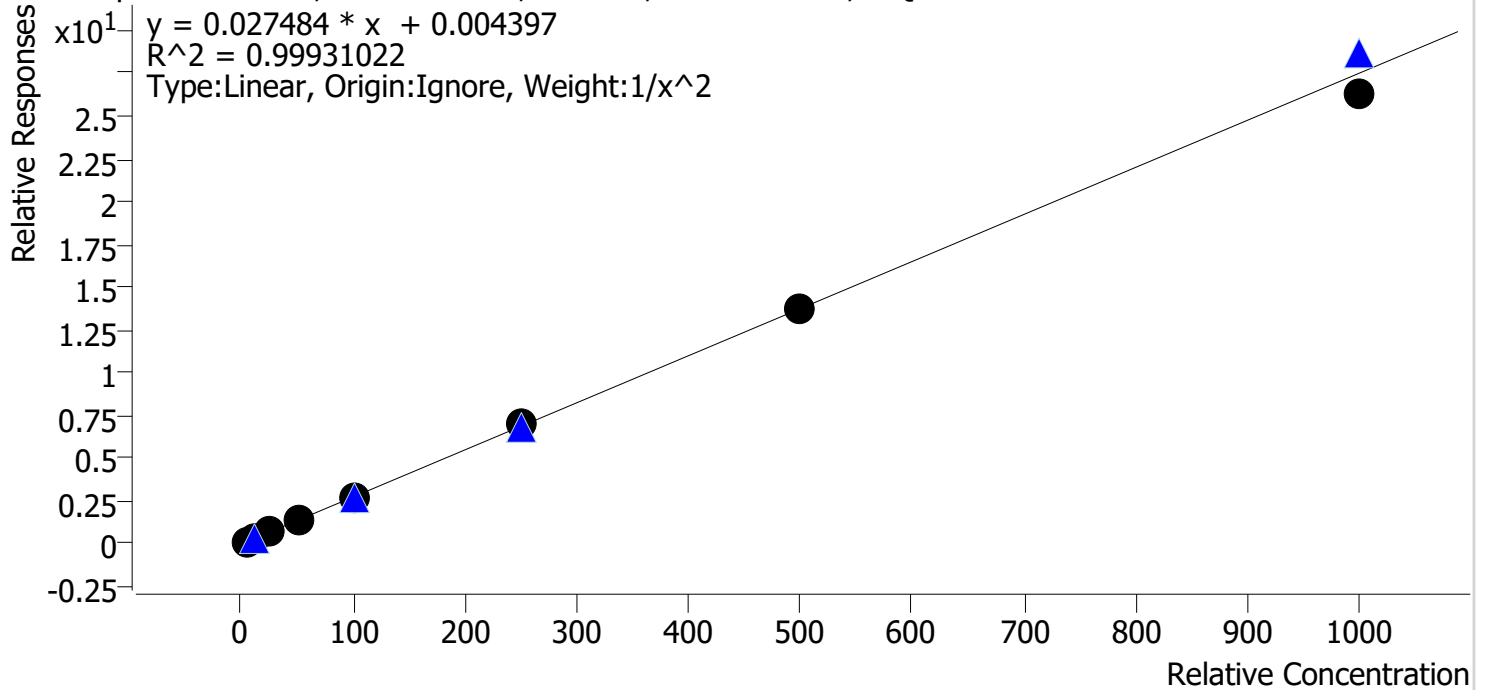
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	111.0
cal 2 mdq	2	✓	1.0	0.8	80.3
cal 3 mdq	3	✓	2.5	2.3	92.8
cal 4 mdq	4	✓	5.0	5.1	102.7
cal 5 mdq	5	✓	10.0	9.8	98.2
cal 6 mdq	6	✓	25.0	25.3	101.2
cal 7 mdq	7	✓	50.0	52.3	104.6
cal 8 mdq	8	✓	100.0	109.3	109.3

# Compound Calibration Report



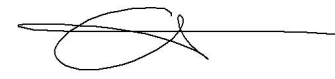
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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



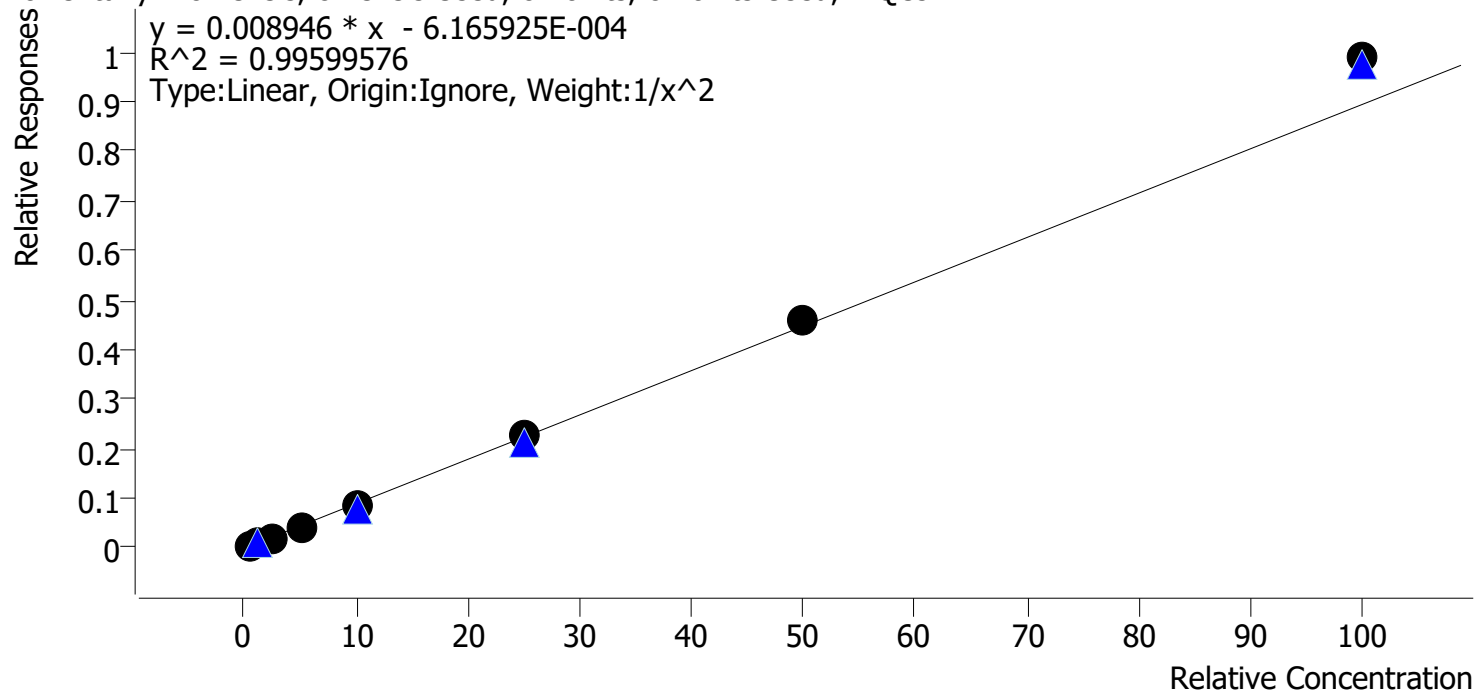
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	255.2	102.1
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	958.2	95.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**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	102.7
cal 2 mdq	2	✓	1.0	1.0	98.0
cal 3 mdq	3	✓	2.5	2.4	94.9
cal 4 mdq	4	✓	5.0	4.7	94.7
cal 5 mdq	5	✓	10.0	9.5	95.1
cal 6 mdq	6	✓	25.0	25.3	101.1
cal 7 mdq	7	✓	50.0	51.5	103.0
cal 8 mdq	8	✓	100.0	110.6	110.6

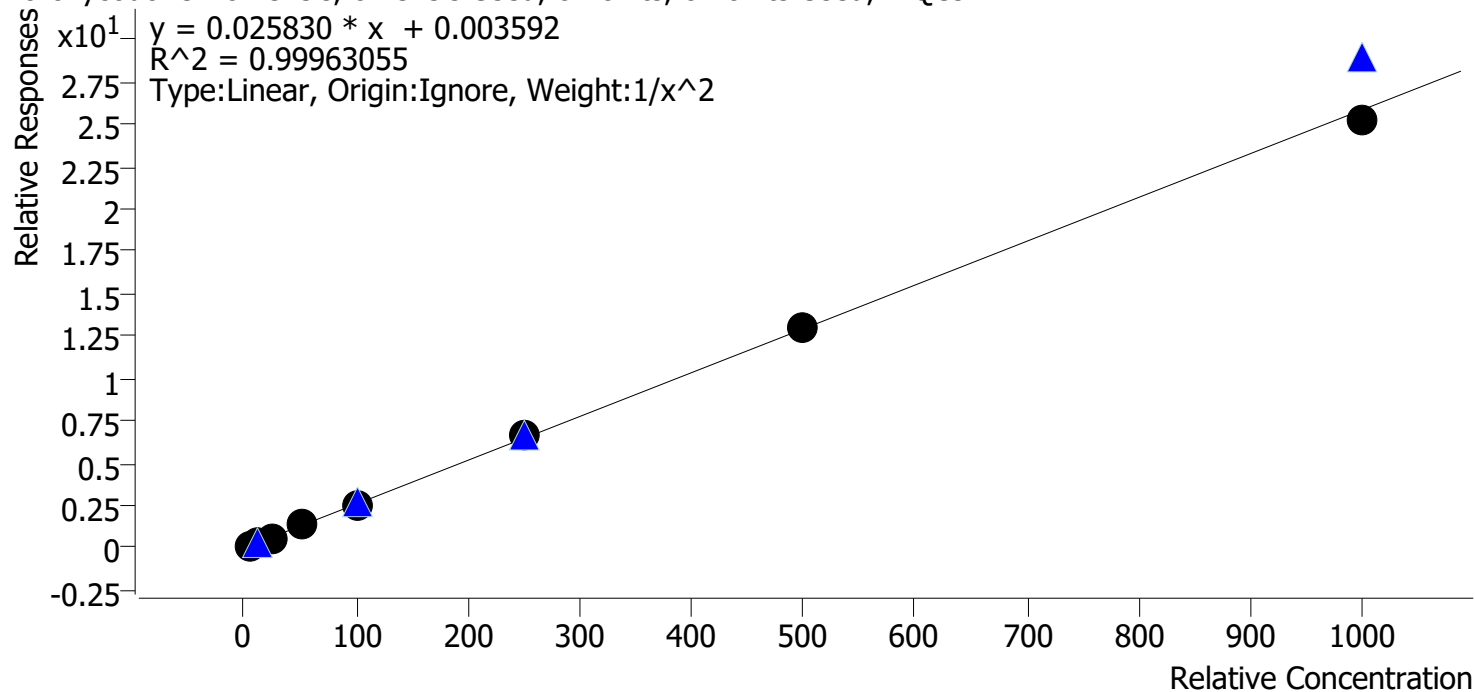


# Compound Calibration Report



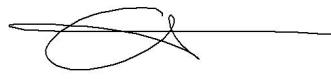
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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



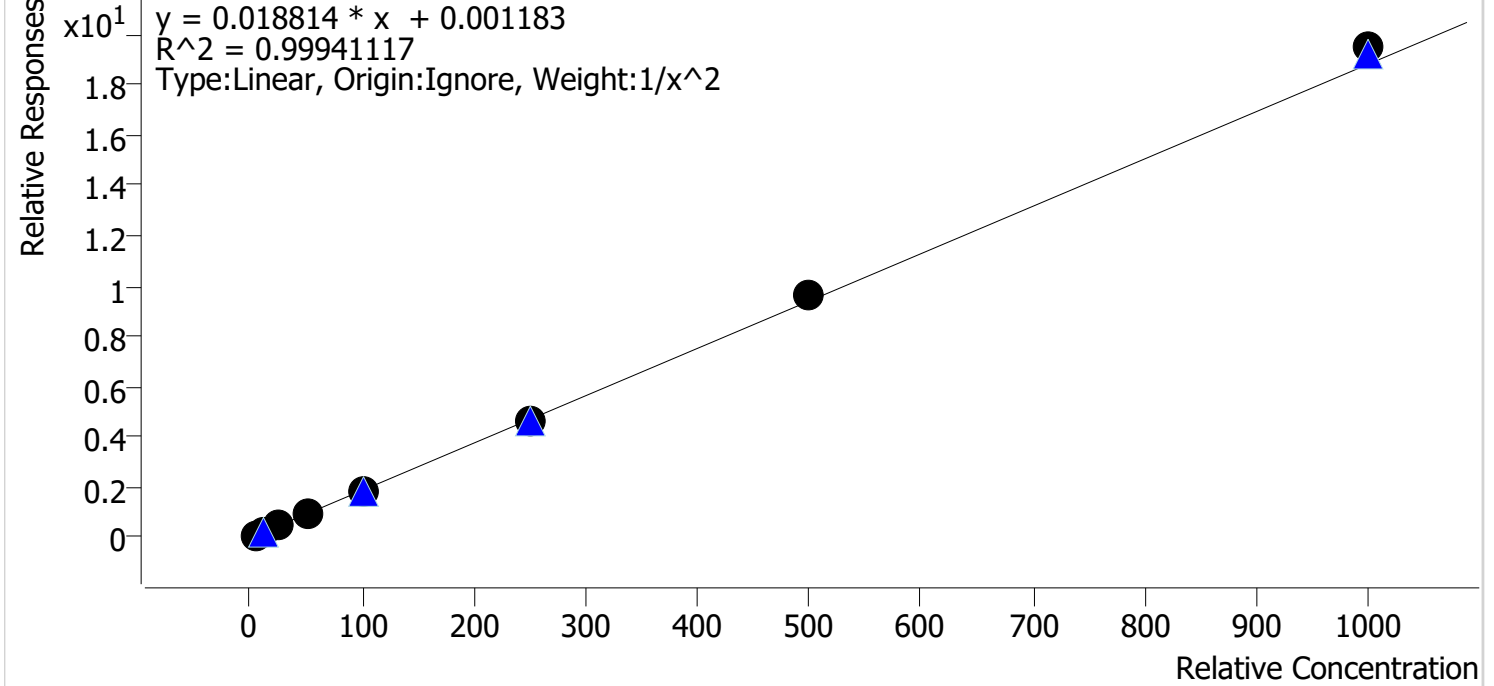
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	505.1	101.0
cal 8 mdq	8	✓	1000.0	975.4	97.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

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



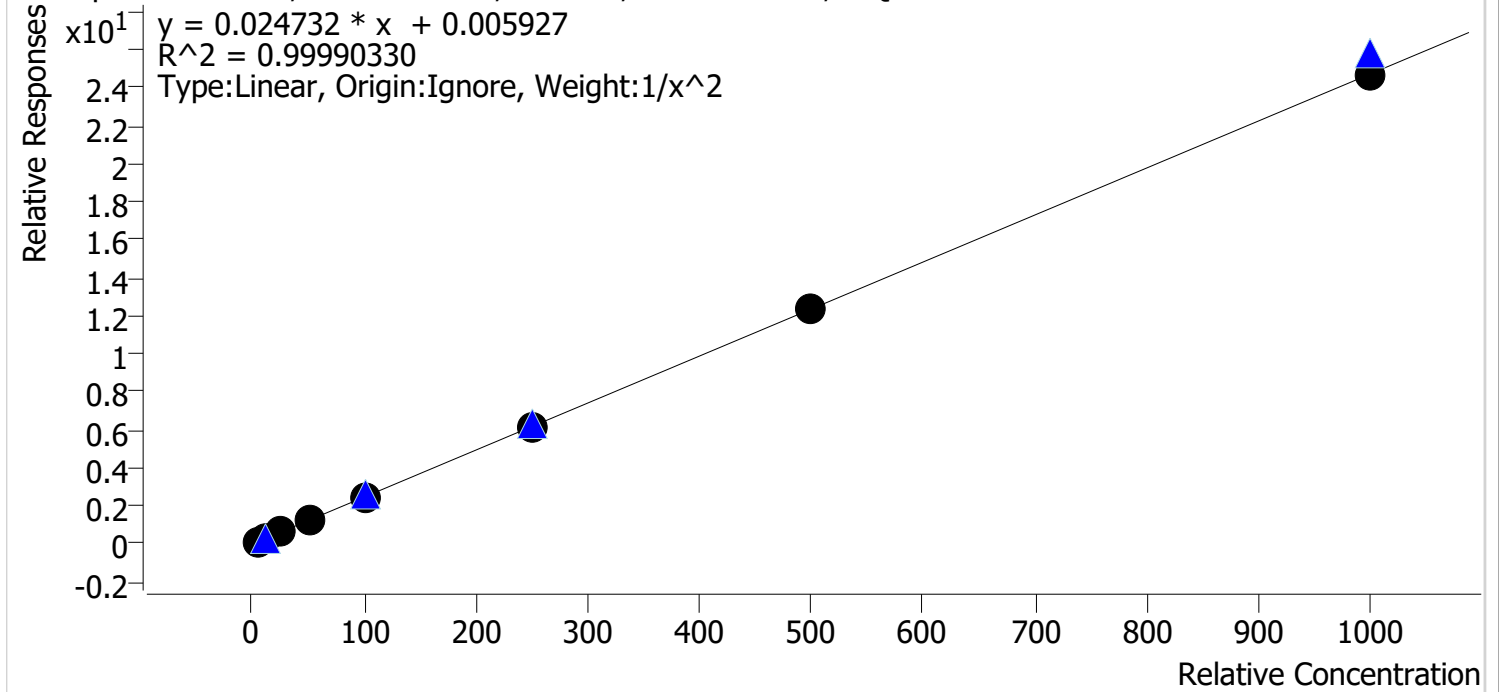
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	48.9	97.8
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	511.8	102.4
cal 8 mdq	8	✓	1000.0	1035.9	103.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



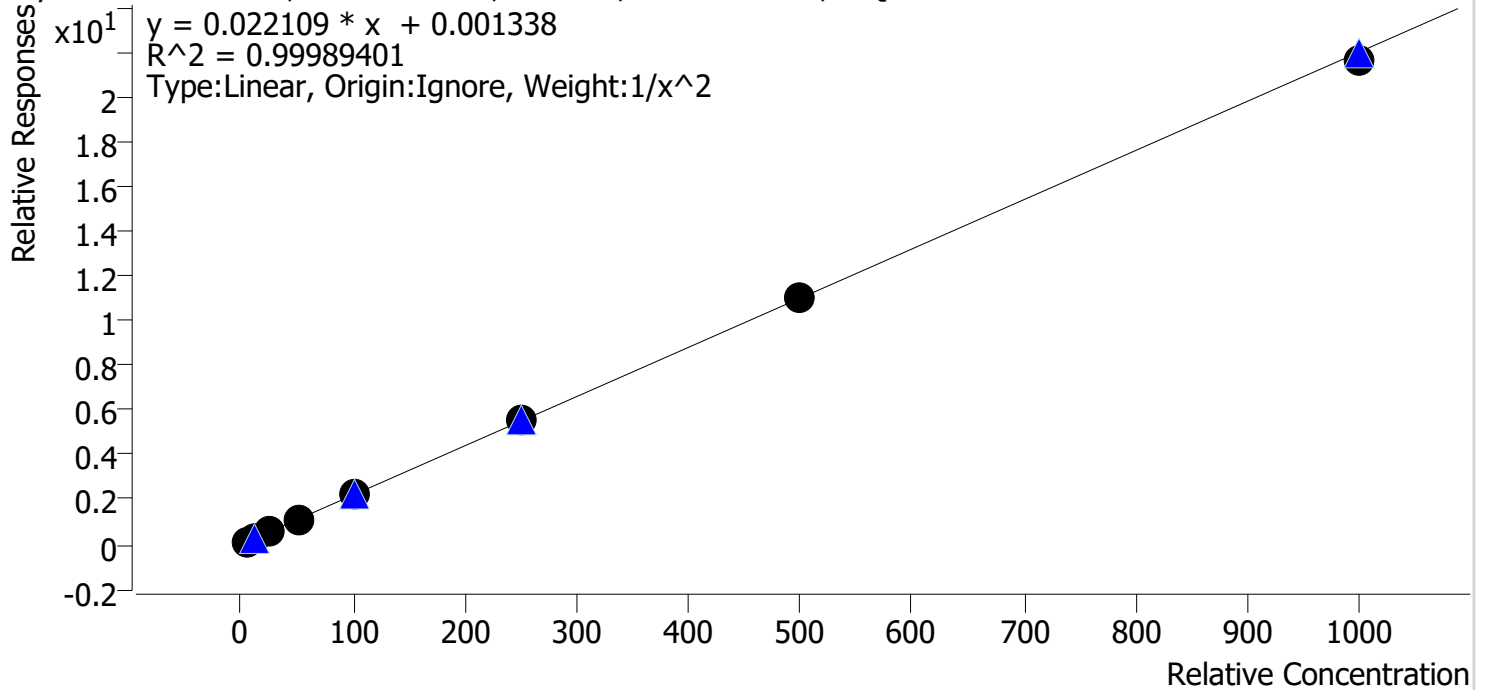
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	995.1	99.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



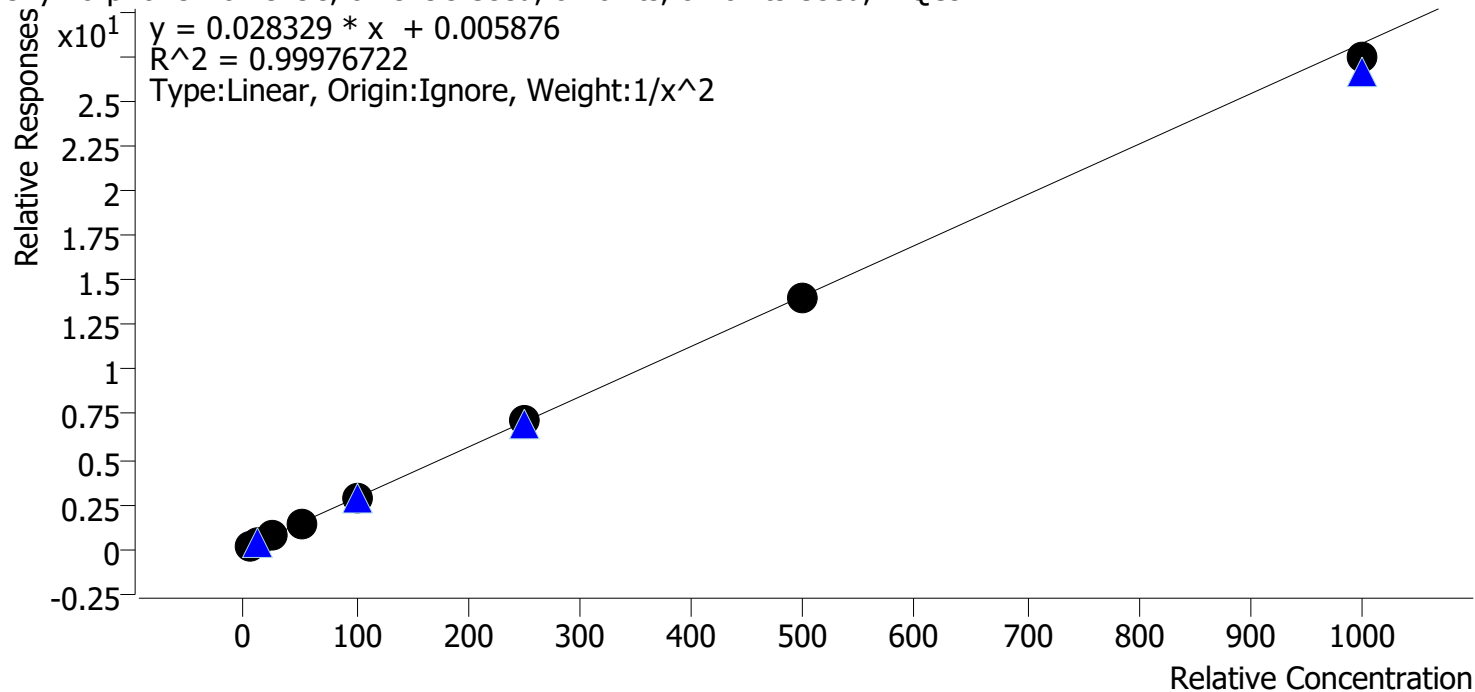
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	251.6	100.6
cal 7 mdq	7	✓	500.0	500.4	100.1
cal 8 mdq	8	✓	1000.0	981.0	98.1

# Compound Calibration Report



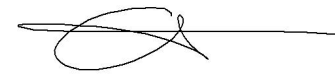
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



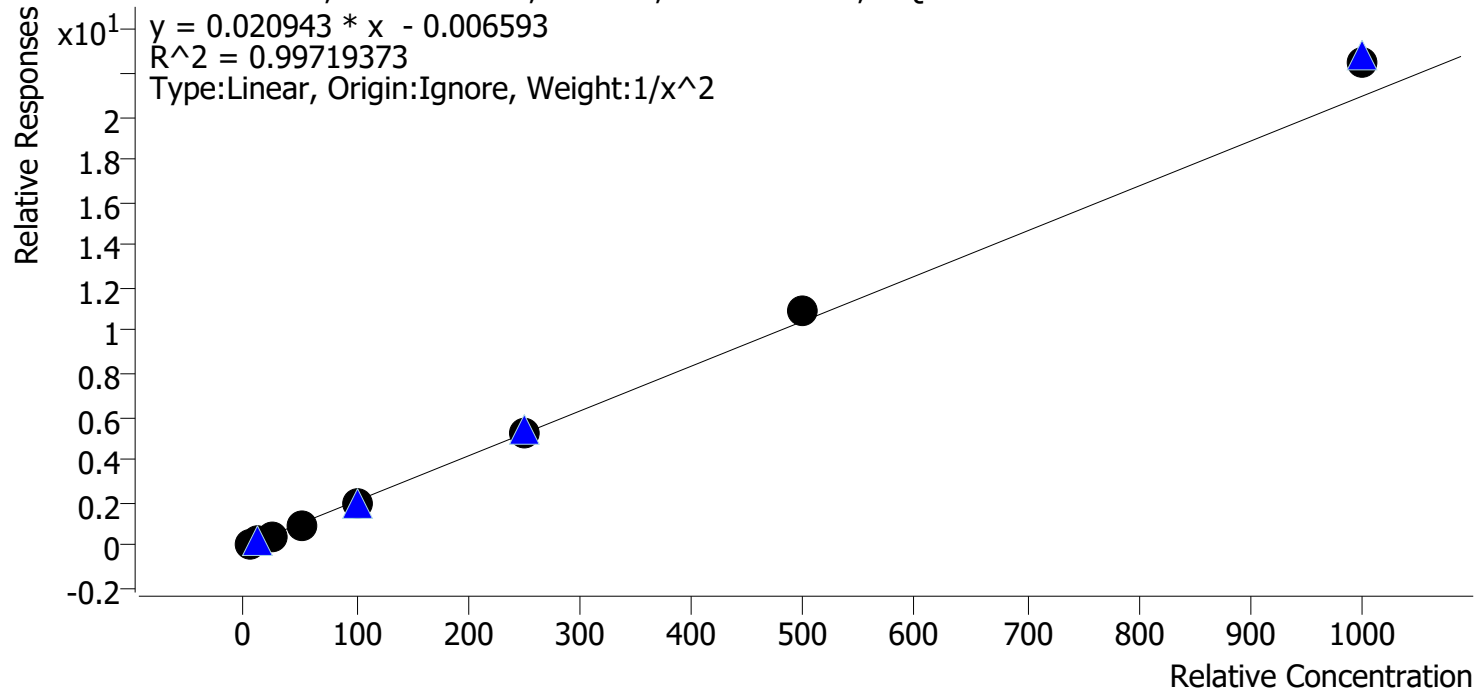
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	497.9	99.6
cal 8 mdq	8	✓	1000.0	971.7	97.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	47.7	95.4
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	248.9	99.6
cal 7 mdq	7	✓	500.0	525.0	105.0
cal 8 mdq	8	✓	1000.0	1077.3	107.7

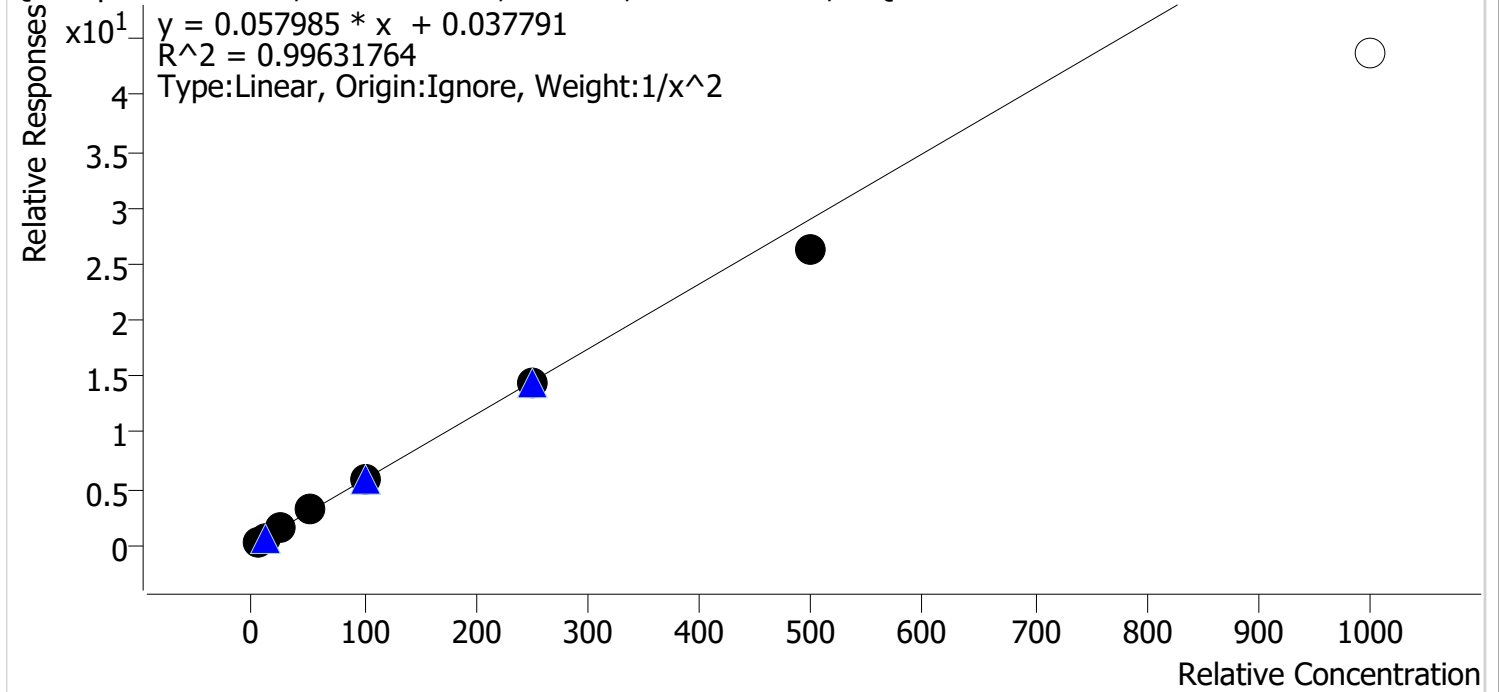
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine

**Internal Standard** Quetiapine-D8

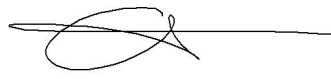
Quetiapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



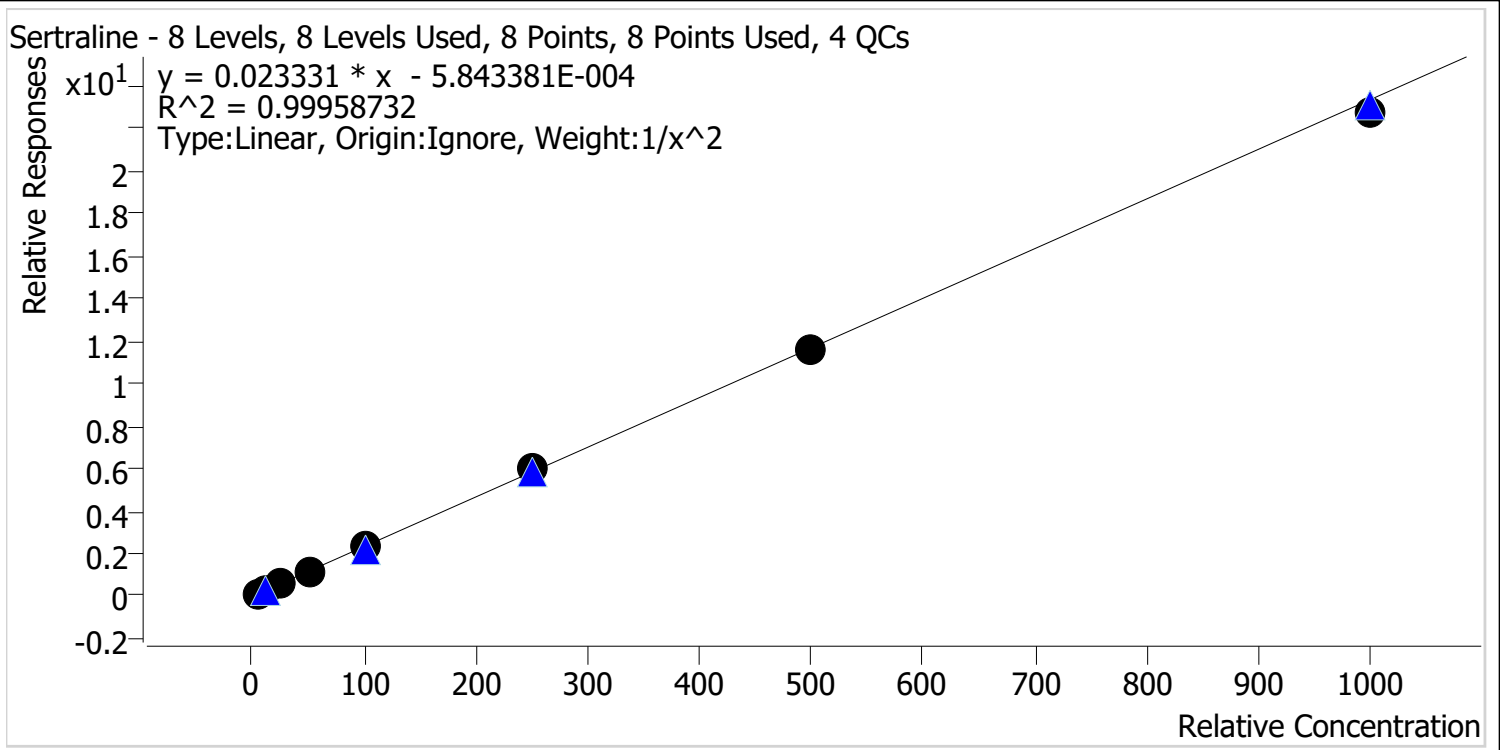
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	52.9	105.9
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	246.9	98.8
cal 7 mdq	7	✓	500.0	451.8	90.4
cal 8 mdq	8	✗	1000.0	752.9	75.3

dropped cal 8 due to accuracy

# Compound Calibration Report



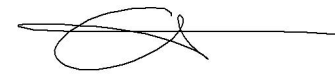
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	497.1	99.4
cal 8 mdq	8	✓	1000.0	977.9	97.8

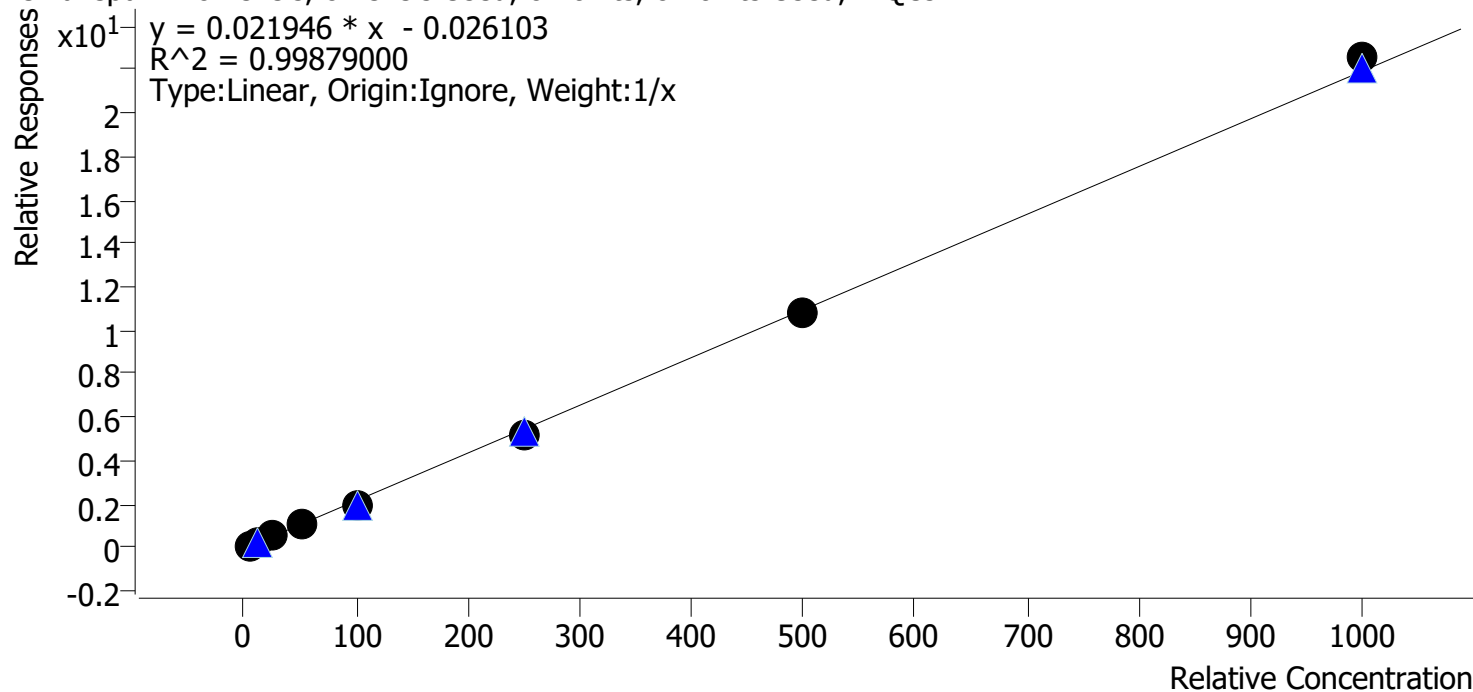


# Compound Calibration Report



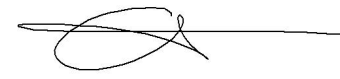
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



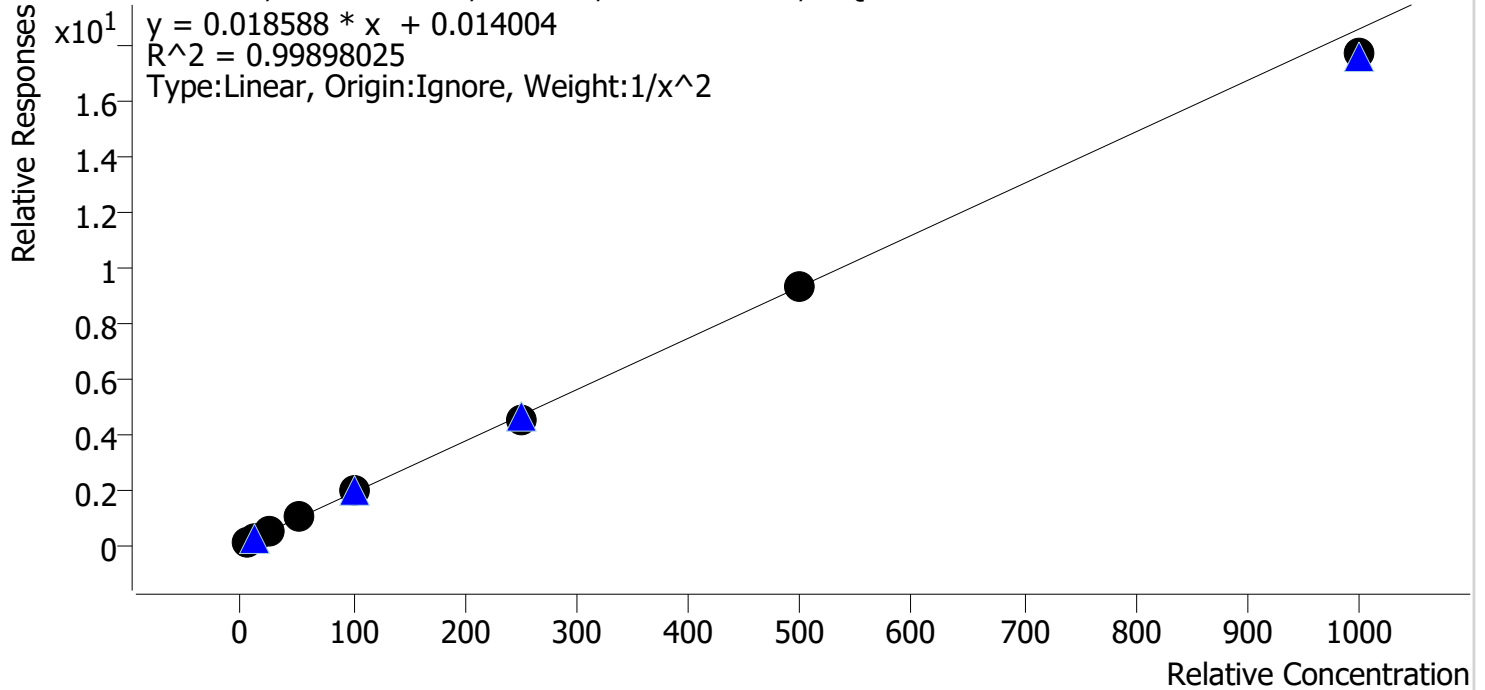
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	115.5
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	93.8	93.8
cal 6 mdq	6	✓	250.0	238.8	95.5
cal 7 mdq	7	✓	500.0	491.3	98.3
cal 8 mdq	8	✓	1000.0	1028.5	102.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

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

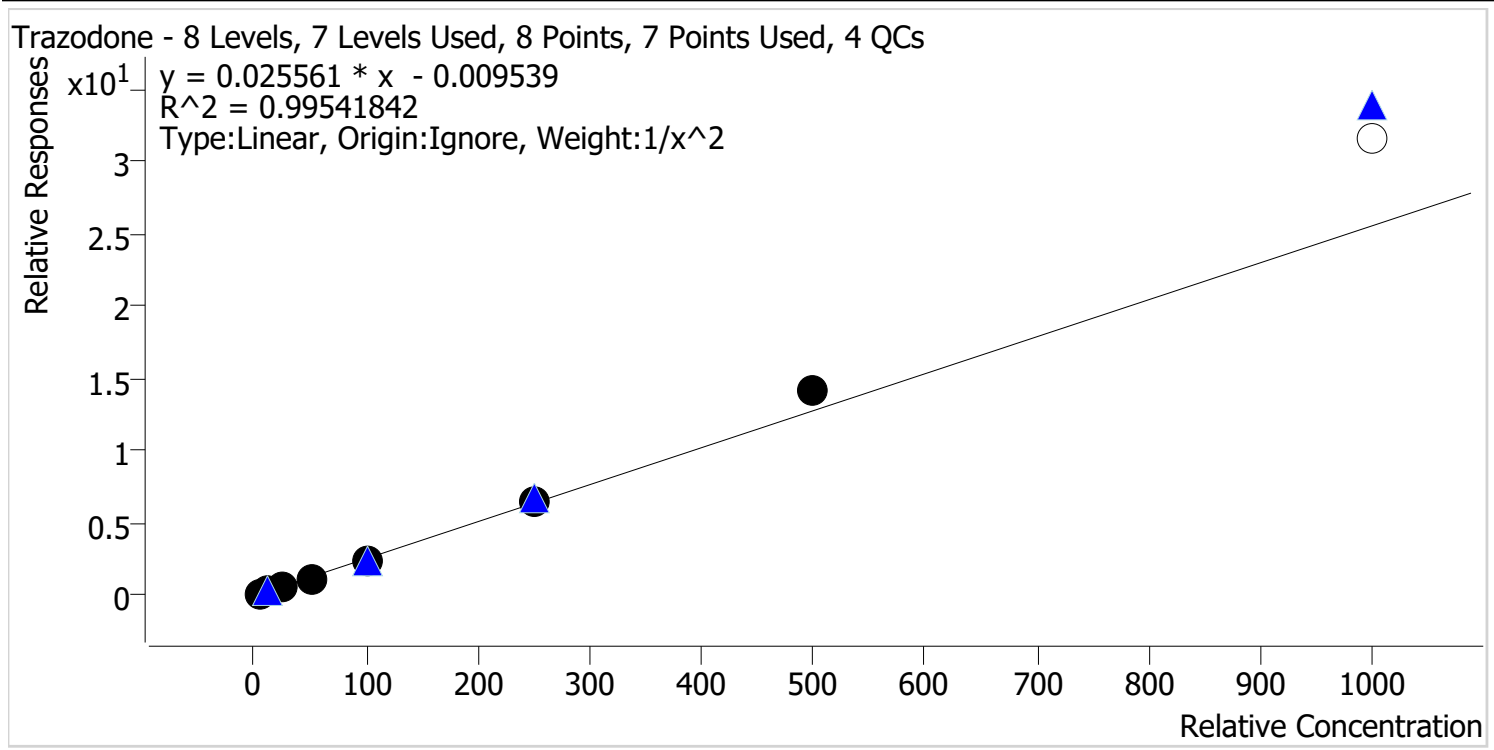


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	243.6	97.4
cal 7 mdq	7	✓	500.0	502.3	100.5
cal 8 mdq	8	✓	1000.0	952.2	95.2

# Compound Calibration Report



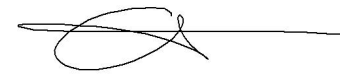
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	9.7	96.7
cal 3 mdq	3	✓	25.0	23.9	95.7
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	553.0	110.6
cal 8 mdq	8	✗	1000.0	1238.3	123.8

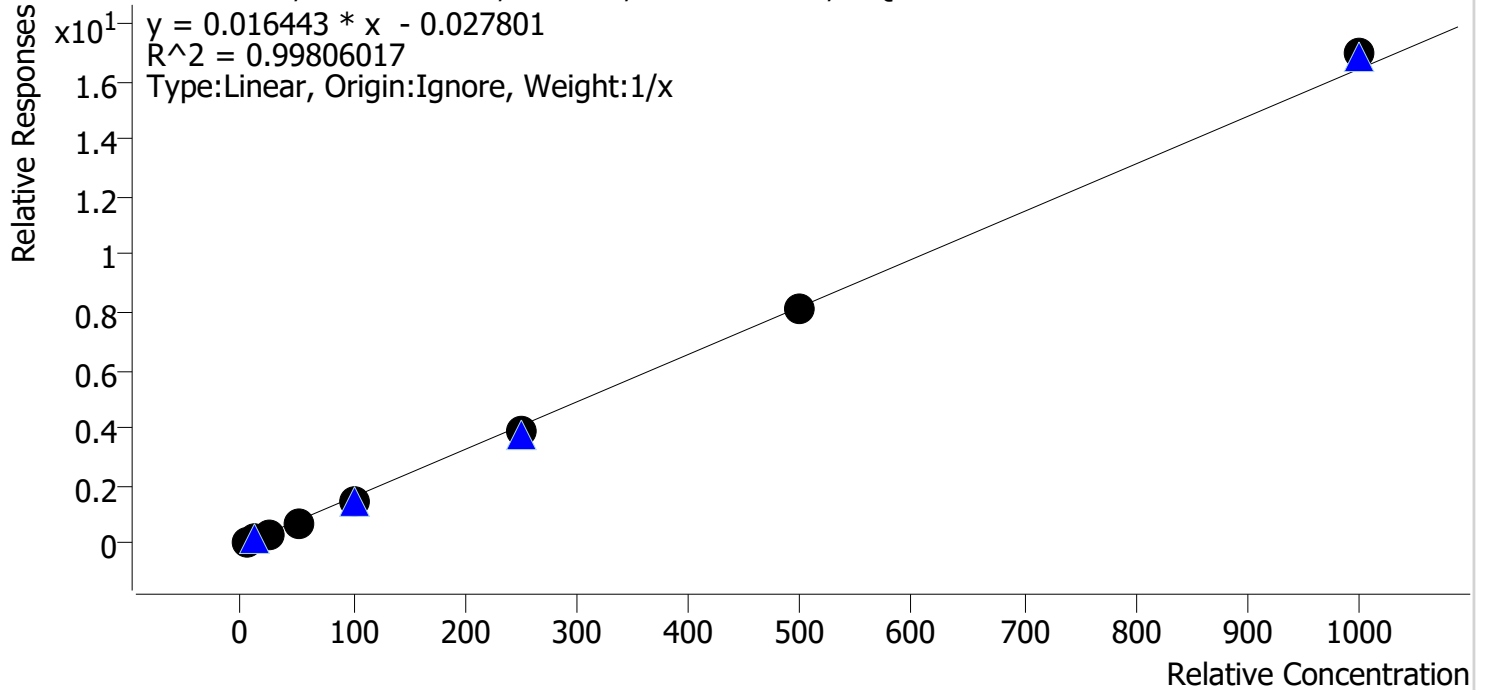
dropped cal 8 due to accuracy

# Compound Calibration Report



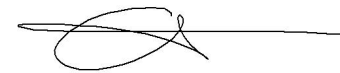
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

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



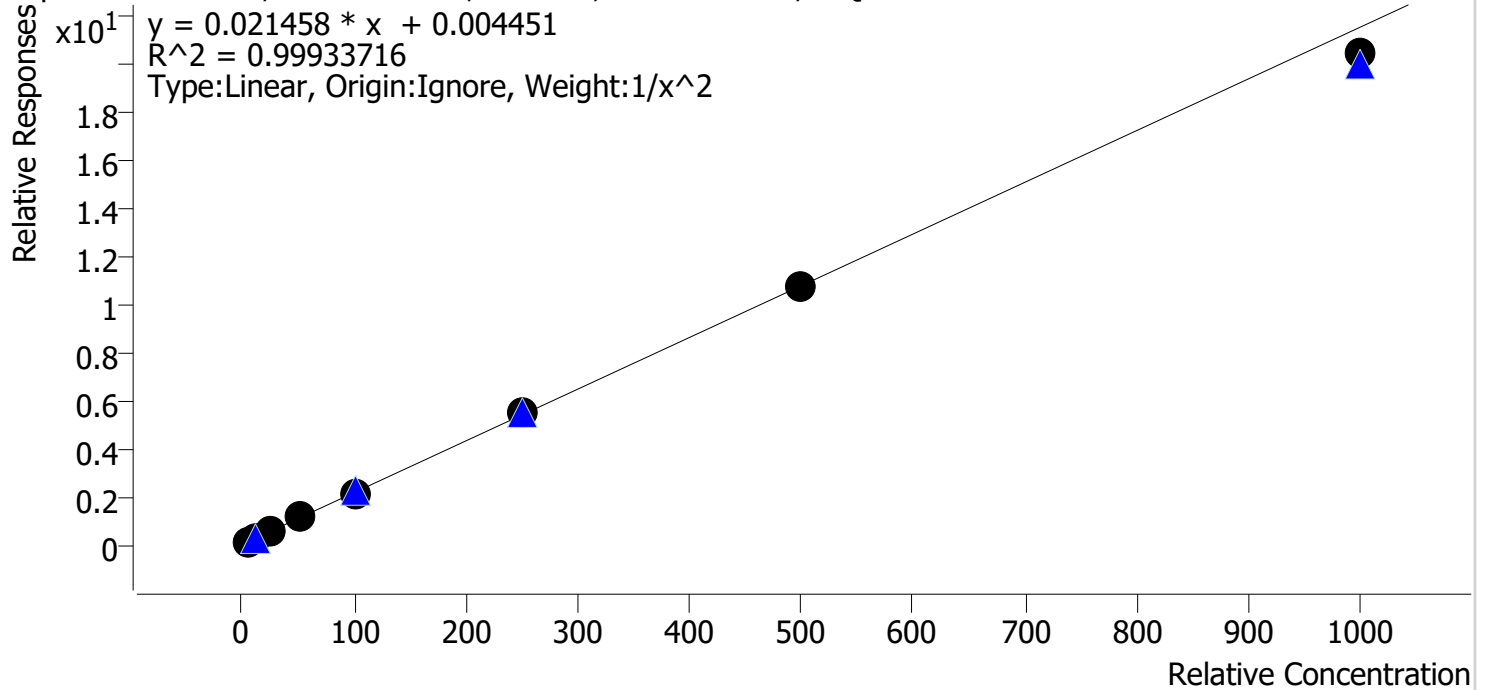
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.1	121.7
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	45.7	91.5
cal 5 mdq	5	✓	100.0	90.1	90.1
cal 6 mdq	6	✓	250.0	237.0	94.8
cal 7 mdq	7	✓	500.0	494.7	98.9
cal 8 mdq	8	✓	1000.0	1032.2	103.2

# Compound Calibration Report



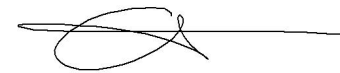
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



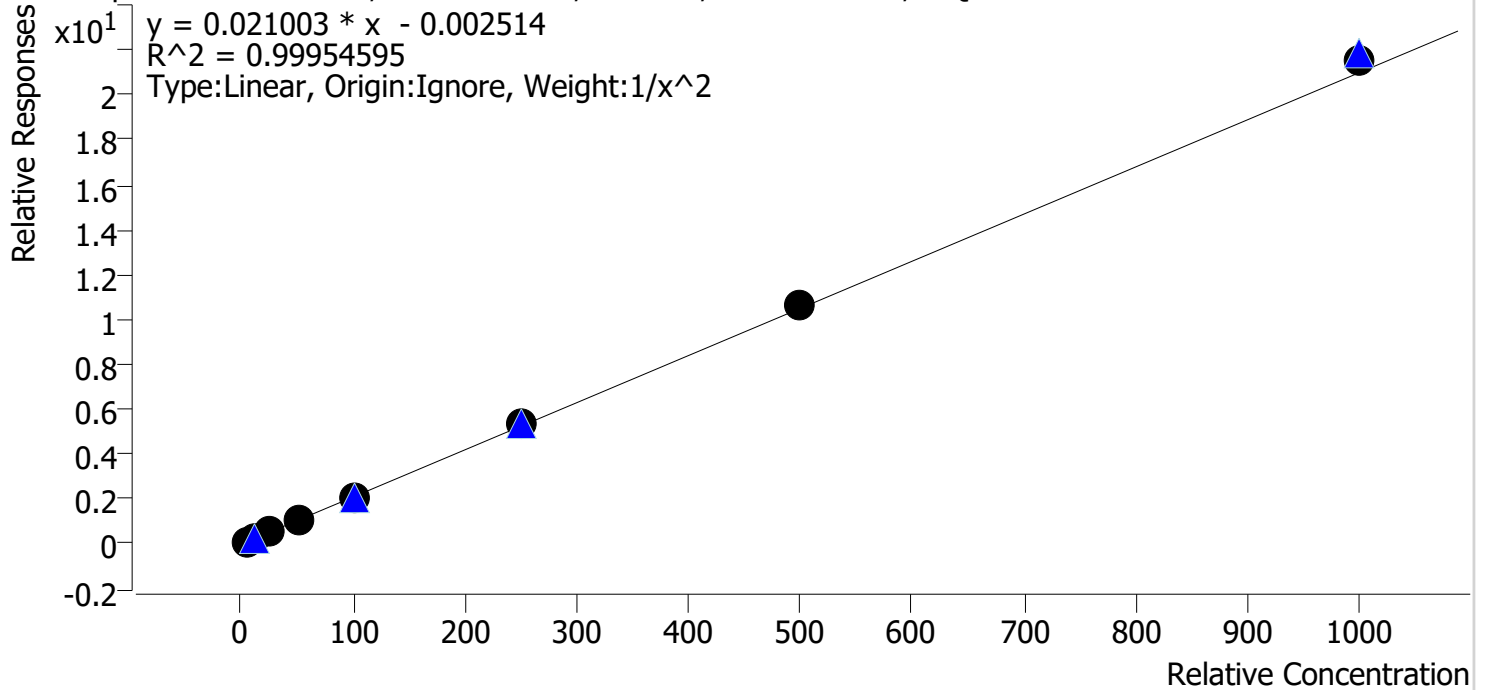
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	51.1	102.3
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	948.9	94.9

# Compound Calibration Report



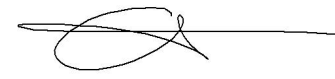
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



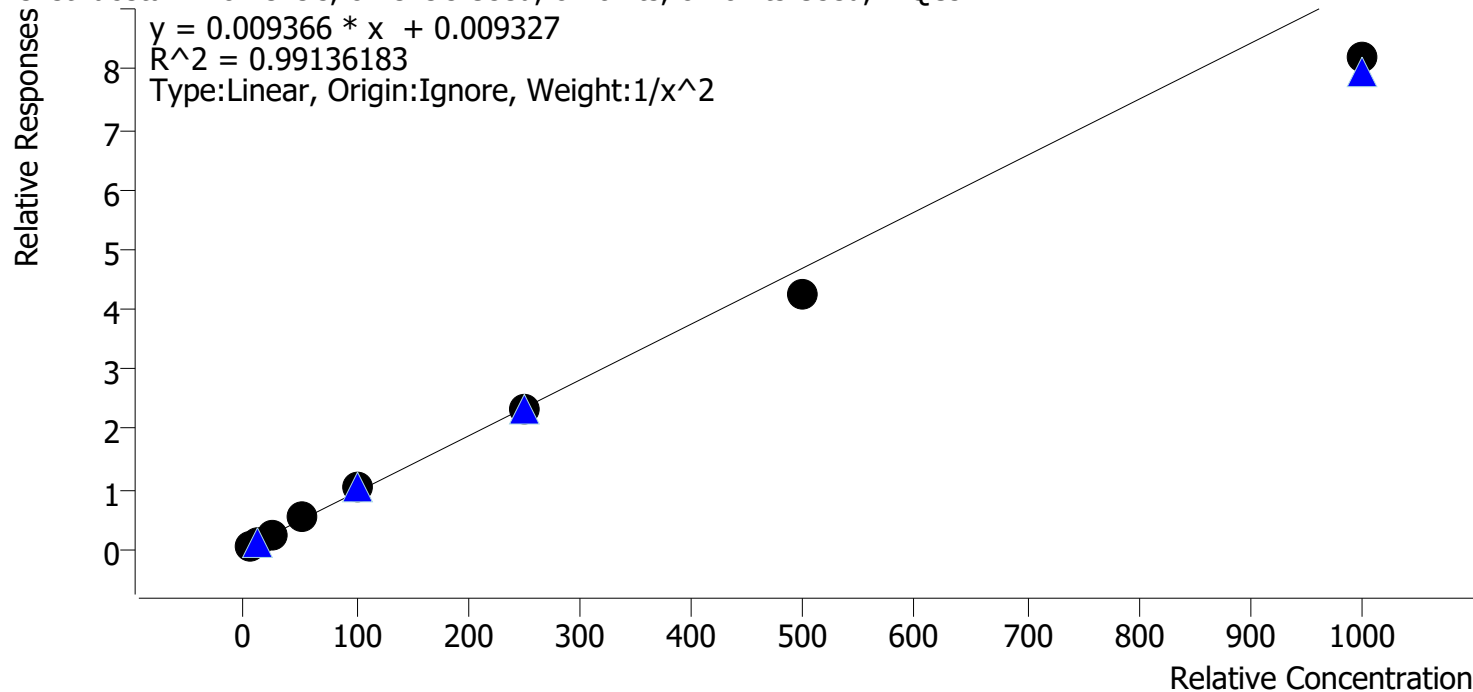
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	48.7	97.3
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	509.1	101.8
cal 8 mdq	8	✓	1000.0	1026.1	102.6

# Compound Calibration Report



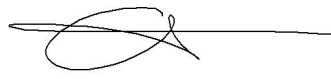
**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Methadone-D9

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



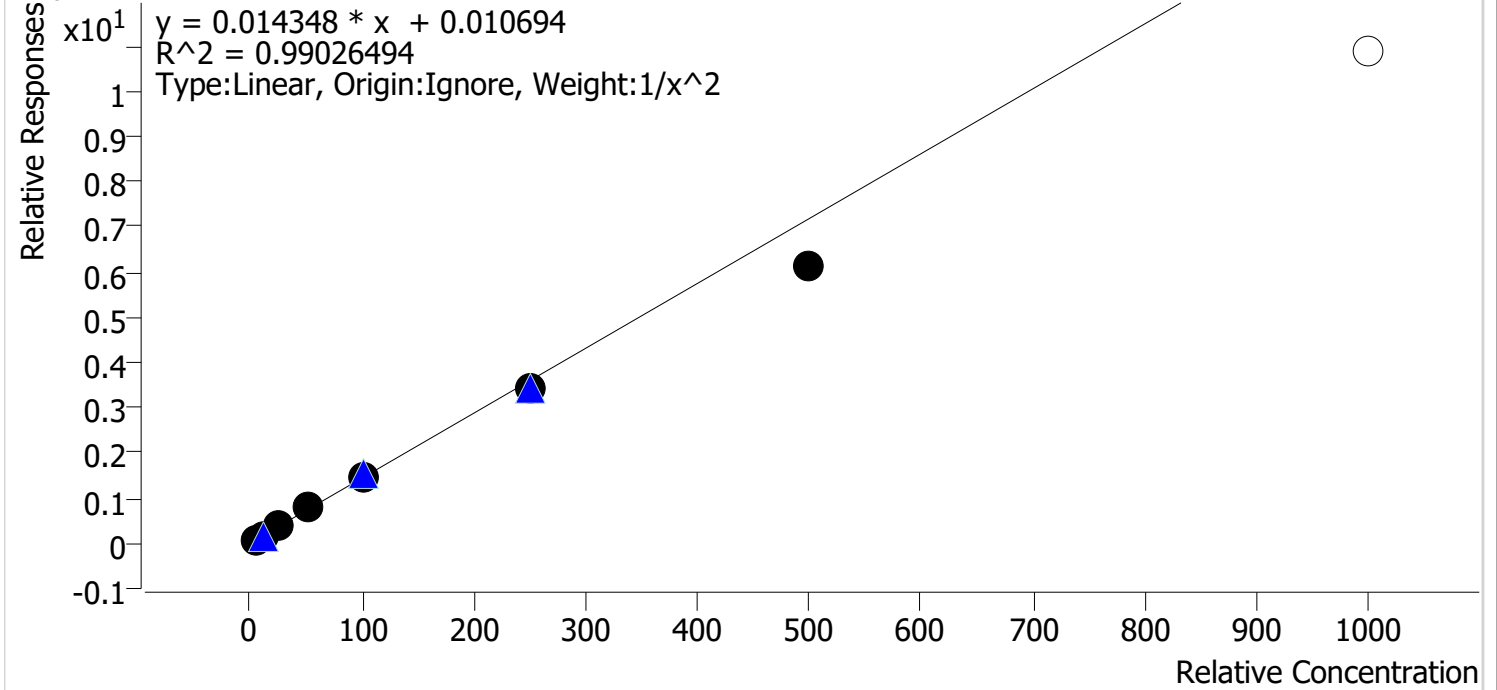
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.3
cal 2 mdq	2	✓	10.0	10.2	102.5
cal 3 mdq	3	✓	25.0	26.7	106.6
cal 4 mdq	4	✓	50.0	54.7	109.4
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	450.7	90.1
cal 8 mdq	8	✓	1000.0	874.6	87.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Last Cal. Update** 3/31/2022 8:45 AM  
**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	95.1
cal 2 mdq	2	✓	10.0	10.5	105.3
cal 3 mdq	3	✓	25.0	27.0	108.1
cal 4 mdq	4	✓	50.0	53.7	107.4
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	240.3	96.1
cal 7 mdq	7	✓	500.0	425.0	85.0
cal 8 mdq	8	✗	1000.0	757.4	75.7

dropped cal 8 due to accuracy

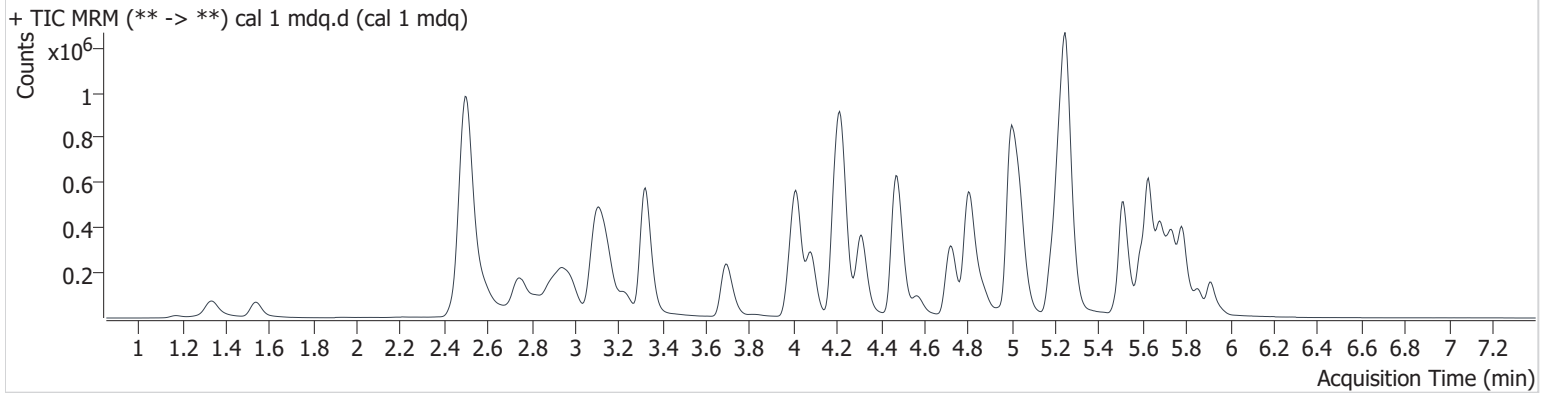


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
Calibration Last Update 3/31/2022 8:45:34 AM

Instrument 69679 Data File cal 1 mdq.d  
Type Cal Sample cal 1 mdq  
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord  
Sample Position P2-A1 Comment  
Injection Volume 3  
Acq. Date-Time 3/30/2022 1:50:53 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	1862	2031.8	141.4	30906.6	99825	0.499 ng/ml
7-aminoclonazepam	4.232	35484	3497.9	73.8	64895.6	267205	4.973 ng/ml
a-hydroxyalprazolam	5.672	6851	1231.9	54.2	∞	145413	4.856 ng/ml
alpha-PHP	4.886	86974	123922.2	40.8	18907.3	170894	5.236 ng/ml
alpha-PVP	4.322	116428	∞	53.3	2798.0	975207	5.038 ng/ml
Alprazolam	5.746	52876	1096.3	98.9	∞	377736	4.880 ng/ml
Amphetamine	2.980	99910	2420.4	211.7	61401.0	677887	4.804 ng/ml
Benzoylcegonine	3.850	2612	57.0	59.4	41.5	17440	5.072 ng/ml
Buprenorphine	5.670	4229	30227.9	17.7	1228.7	137037	0.752 ng/ml
Bupropion	4.741	109623	30390.7	66.7	1304.7	975338	5.061 ng/ml
Carisoprodol	5.701	40057	59874.9	63.5	482.5	344902	5.048 ng/ml
Citalopram	5.186	83422	2597.9	40.0	44329.7	742711	4.973 ng/ml
Clonazepam	5.589	38978	8293.7	35.9	293612.9	145413	4.838 ng/ml
Clonazepam	5.530	33074	47967.1	41.5	72263.4	839590	5.182 ng/ml
Cocaine	4.226	81588	97280.2	50.4	78153.2	1404701	5.034 ng/ml
Codeine	2.516	12257	4529.7	90.5	8243.1	108735	4.724 ng/ml
Cyclobenzaprine	5.596	81840	8416.0	8.5	∞	522180	4.981 ng/ml
Dextromethorphan	5.224	56097	6943.2	77.1	4369.5	563008	5.931 ng/ml
Dextrophan	4.083	70298	66862.1	46.1	∞	727084	5.643 ng/ml
Diazepam	5.919	34259	1883.7	89.7	1166.1	349924	4.957 ng/ml
Dihydrocodeine	2.485	28126	768.5	60.2	1135.6	356460	4.754 ng/ml
Diphenhydramine	5.251	248057	7940.5	32.8	7755.8	2754737	5.111 ng/ml
Doxylamine	4.491	250243	6137.6	78.1	10759.8	1925088	4.990 ng/ml
EDDP	5.224	122889	2291.5	42.1	75787.2	1325878	5.087 ng/ml
Etizolam	5.781	24770	∞	25.0	∞	349924	4.902 ng/ml
Fentanyl	5.050	8447	72043.5	119.5	18247.3	911290	0.626 ng/ml
Flualprazolam	5.677	24600	109802.8	91.9	4171.0	377736	5.031 ng/ml
Fluoxetine	5.683	60244	∞	7.3	11877.8	466756	5.018 ng/ml
Hydrocodone	2.972	45669	∞	34.1	∞	484797	4.743 ng/ml
Hydromorphone	1.547	26954	∞	90.4	1471.7	228907	4.959 ng/ml
Ketamine	4.007	76194	4275.0	37.3	556.6	752795	4.945 ng/ml
Lamotrigine	4.233	7473	∞	89.6	8488.3	748894	5.000 ng/ml
Levetiracetam	2.589	70301	4590.0	225.0	4081.0	1291808	4.815 ng/ml

# AM #28 Multi-Drug Quant. Results

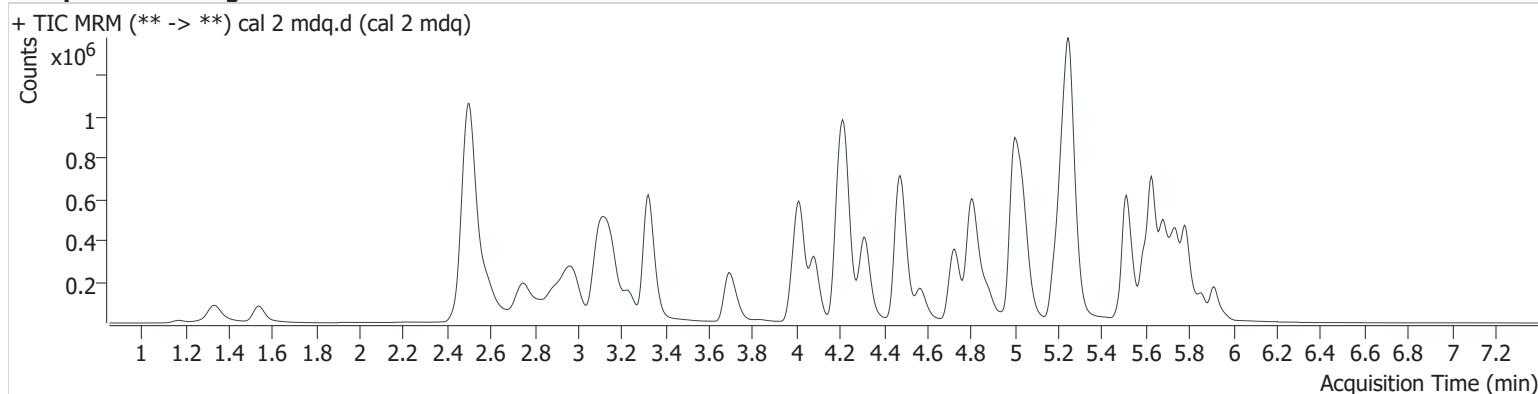
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	22917	∞	41.7	∞	337928	4.858 ng/ml
MDA	3.143	121065	3342.0	30.6	∞	748894	4.836 ng/ml
MDMA	3.235	78462	∞	97.3	2702.8	170894	5.055 ng/ml
Meprobamate	4.876	31469	41494.3	31.4	855.0	344902	5.083 ng/ml
Methadone	5.625	143448	27425.8	55.7	2217.5	1291808	5.115 ng/ml
Methamphetamine	3.160	237340	13716.4	40.0	∞	1404864	4.806 ng/ml
Metoprolol	4.289	18989	∞	98.5	∞	748894	5.283 ng/ml
Mirtazapine	4.569	154940	437972.7	49.8	184893.8	1291808	5.090 ng/ml
Mitragynine	5.179	31514	54521.1	34.4	10280.5	3916363	4.869 ng/ml
Morphine	1.181	3883	∞	18.8	387.1	10225	4.885 ng/ml
Norbuprenorphine	4.956	914	670.6	79.6	653.9	28394	0.555 ng/ml
Nordiazepam	5.862	31660	∞	63.1	∞	226932	4.916 ng/ml
Norfentanyl	4.038	5659	402.7	41.3	∞	1422723	0.514 ng/ml
Noroxycodone	2.843	37633	∞	46.0	∞	283095	5.007 ng/ml
O-desmethyl-tramadol	3.327	181329	33636.3	6.2	3294.8	1887450	5.043 ng/ml
Oxazepam	5.726	43523	850.3	73.3	∞	337928	4.968 ng/ml
Oxycodone	2.776	89052	∞	28.7	∞	798148	4.986 ng/ml
Oxymorphone	1.339	49573	∞	44.4	∞	338389	4.964 ng/ml
Promethazine	5.512	117116	104624.1	39.8	3684.5	1167561	5.104 ng/ml
Pseudoephedrine	2.509	405410	∞	24.0	∞	3916363	5.048 ng/ml
Quetiapine	5.498	81021	71820.4	60.7	∞	251854	4.896 ng/ml
Sertraline	5.746	16904	25551.2	94.7	∞	146889	4.958 ng/ml
Temazepam	5.788	84454	2059.6	28.9	17783.3	839590	5.773 ng/ml
Tramadol	4.207	188009	23200.8	3.6	223.0	1783930	4.916 ng/ml
Trazodone	5.045	107233	101210.2	80.4	4097.7	877904	5.152 ng/ml
Venlafaxine	5.000	133108	137509.0	37.3	1084.8	1841817	6.086 ng/ml
Zolpidem	4.822	193145	1670554.0	28.4	∞	1739296	4.968 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

**Instrument** 69679 **Data File** cal 2 mdq.d  
**Type** Cal **Sample** cal 2 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 3  
**Acq. Date-Time** 3/30/2022 1:59:55 PM  
**Sample Info.**

## Sample Chromatogram

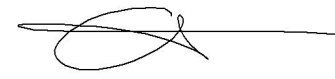


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.094	3467	∞	126.8	5436.8	98547	0.972 ng/ml
7-aminoclonazepam	4.237	69546	13348.3	75.1	5557.8	256336	10.049 ng/ml
a-hydroxyalprazolam	5.672	11720	447.4	56.9	85369.5	136708	10.256 ng/ml
alpha-PHP	4.886	167550	101981.7	40.7	5318.8	169231	9.533 ng/ml
alpha-PVP	4.322	229396	21461.2	53.5	9801.0	956374	10.016 ng/ml
Alprazolam	5.746	102829	997.2	94.4	3972.3	351941	10.083 ng/ml
Amphetamine	2.975	186589	2268.7	237.3	14724.4	668033	10.361 ng/ml
Benzoylcegonine	3.855	4399	1305.7	68.5	89.3	16161	9.757 ng/ml
Buprenorphine	5.660	7859	9019.9	19.6 <b>High</b>	1931.4	131330	1.216 ng/ml
Bupropion	4.736	212389	18185.1	70.3	3838.3	963863	9.847 ng/ml
Carisoprodol	5.701	71538	505474.1	65.8	8974.1	316403	9.910 ng/ml
Citalopram	5.186	161905	6841.3	39.7	5424.7	719429	10.054 ng/ml
Clonazepam	5.589	74700	83008.3	35.4	36174.9	136708	10.455 ng/ml
Clonazepam	5.535	67245	45769.0	39.7	68870.1	824734	9.743 ng/ml
Cocaine	4.226	158109	503368.2	50.2	198147.8	1383323	9.923 ng/ml
Codeine	2.516	24251	∞	88.5	15098.6	106875	10.539 ng/ml
Cyclobenzaprine	5.596	173124	145257.2	9.0	∞	549708	10.115 ng/ml
Dextromethorphan	5.224	113615	5272.5	76.8	8303.2	554301	10.555 ng/ml
Dextrorphan	4.083	139058	4596.5	46.4	∞	720394	10.306 ng/ml
Diazepam	5.919	67699	6346.0	84.5	3614.9	329456	10.211 ng/ml
Dihydrocodeine	2.490	56517	4201.4	59.5	274.2	349430	10.528 ng/ml
Diphenhydramine	5.256	479703	32833.8	32.7	224246.4	2694268	9.796 ng/ml
Doxylamine	4.486	488203	50986.8	78.7	146968.3	1899711	10.027 ng/ml
EDDP	5.224	243914	433940.9	44.2	304190.3	1342237	9.785 ng/ml
Etizolam	5.786	47247	24887.2	26.1	30950.8	329456	10.279 ng/ml
Fentanyl	5.050	16162	142052.0	122.9	∞	933060	1.019 ng/ml
Flualprazolam	5.677	43071	∞	101.5	118516.1	351941	9.696 ng/ml
Fluoxetine	5.683	135146	5975.9	7.4	17566.6	511233	10.103 ng/ml
Hydrocodone	2.967	90673	∞	35.6	7869.9	473931	10.683 ng/ml
Hydromorphone	1.547	62931	∞	72.5	2086.9	225838	10.428 ng/ml
Ketamine	4.007	151079	489985.8	37.7	1355.3	743688	10.161 ng/ml
Lamotrigine	4.239	13990	8201.0	93.4	19731.0	736988	9.865 ng/ml
Levetiracetam	2.584	136124	4622.7	225.0	8316.9	1292635	10.248 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	42268	2195.0	48.0	∞	317538	10.555 ng/ml
MDA	3.143	237440	10372.7	28.7	∞	736988	10.278 ng/ml
MDMA	3.235	153082	104657.0	97.6	2458.2	169231	9.871 ng/ml
Meprobamate	4.882	62666	∞	29.6	4659.8	316403	9.966 ng/ml
Methadone	5.631	280909	∞	53.5	5413.3	1292635	9.741 ng/ml
Methamphetamine	3.160	392388	2968.5	40.2	2573.9	1395712	10.331 ng/ml
Metoprolol	4.289	37029	53177.9	98.0	∞	736988	9.481 ng/ml
Mirtazapine	4.569	308100	168259.3	49.4	167101.8	1292635	9.871 ng/ml
Mitragynine	5.185	64767	22895.9	33.9	∞	3842150	10.250 ng/ml
Morphine	1.176	7599	∞	23.8	∞	10199	10.203 ng/ml
Norbuprenorphine	4.961	1288	106171.7	102.7	1285.5	29963	0.803 ng/ml
Nordiazepam	5.862	61486	36819.6	61.3	∞	213687	10.309 ng/ml
Norfentanyl	4.043	11591	447.8	37.8	74572.1	1422325	0.980 ng/ml
Noroxycodone	2.849	72982	∞	46.5	∞	277693	10.036 ng/ml
O-desmethyl-tramadol	3.327	351890	247965.5	6.5	4841.3	1865880	9.961 ng/ml
Oxazepam	5.726	81022	∞	70.1	885.2	317538	10.077 ng/ml
Oxycodone	2.771	175766	∞	29.4	∞	788111	10.027 ng/ml
Oxymorphone	1.339	97433	∞	44.1	∞	334576	10.072 ng/ml
Promethazine	5.512	243270	834356.0	40.6	2937.8	1215038	9.875 ng/ml
Pseudoephedrine	2.509	790495	4921325765 71991.0	24.3	∞	3842150	9.916 ng/ml
Quetiapine	5.498	158984	∞	61.7	103121.7	254478	10.122 ng/ml
Sertraline	5.746	42653	∞	94.3	152278.1	181258	10.111 ng/ml
Temazepam	5.788	165004	1625874828 0781.6	29.6	19149.2	824734	10.306 ng/ml
Tramadol	4.207	362466	24381.9	3.5	239.6	1778746	10.210 ng/ml
Trazodone	5.045	209482	7579.7	81.7	192861.8	881550	9.670 ng/ml
Venlafaxine	5.000	259652	16902.8	38.8	1423.2	1797088	10.478 ng/ml
Zolpidem	4.822	379537	423205.8	29.4	∞	1726683	10.036 ng/ml

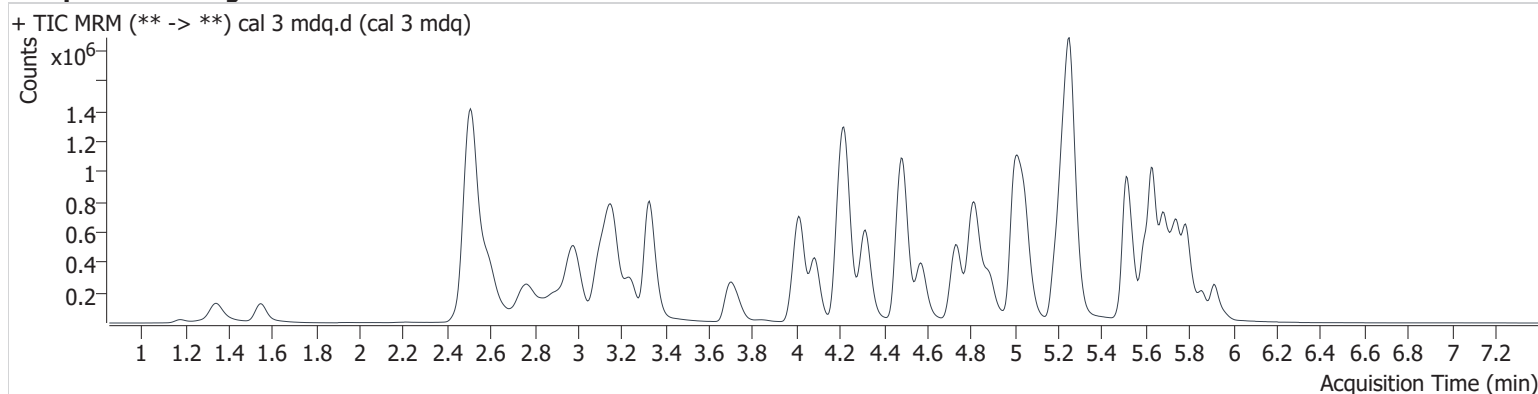
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	3/30/2022 2:08:57 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.094	9664	∞	131.7	∞	101469	2.689 ng/ml
7-aminoclonazepam	4.237	182687	6831300416 6741.6	75.8	19867.0	264001	25.465 ng/ml
a-hydroxyalprazolam	5.672	27188	760.0	56.4	∞	130489	27.402 ng/ml
alpha-PHP	4.886	445908	∞	40.8	11132.1	175170	23.423 ng/ml
alpha-PVP	4.322	596539	28742.3	53.4	25332.2	1014832	24.395 ng/ml
Alprazolam	5.746	259170	4486.5	93.8	5343.7	362113	24.561 ng/ml
Amphetamine	2.985	471917	7050.6	245.4	∞	695939	27.160 ng/ml
Benzoylcegonine	3.855	11426	26319.1	57.7	758.2	17343	24.550 ng/ml
Buprenorphine	5.665	21167	∞	14.9	4477.6	141651	2.649 ng/ml
Bupropion	4.741	562494	62725.0	70.1	19478.4	1012606	24.707 ng/ml
Carisoprodol	5.706	170792	236345.2	62.6	14212.7	301106	24.991 ng/ml
Citalopram	5.191	423914	9261.0	40.5	143818.4	754533	25.232 ng/ml
Clonazepam	5.589	170472	∞	35.9	115526.4	130489	25.791 ng/ml
Clonazolam	5.535	168391	277009.8	39.1	245220.1	822944	23.064 ng/ml
Cocaine	4.226	408065	969519.6	50.3	248714.8	1426891	24.857 ng/ml
Codeine	2.526	60839	20517.2	92.8	14639.8	107709	27.750 ng/ml
Cyclobenzaprine	5.596	465501	1342301.5	8.7	8702.5	610323	24.645 ng/ml
Dextromethorphan	5.229	294925	662884.3	75.8	6733.9	570019	24.270 ng/ml
Dextrorphan	4.088	365735	1119337.1	45.4	272255.0	770415	23.940 ng/ml
Diazepam	5.919	177073	2460.4	86.3	7519.9	347766	25.043 ng/ml
Dihydrocodeine	2.490	145769	10910.1	61.0	1128.3	365944	27.018 ng/ml
Diphenhydramine	5.256	1270832	215717.0	31.4	∞	2845200	24.096 ng/ml
Doxylamine	4.491	1280591	161624.0	80.0	46463.6	2022387	24.947 ng/ml
EDDP	5.224	653701	282450.9	43.3	293337.0	1418446	24.511 ng/ml
Etizolam	5.786	122475	∞	24.8	36519.6	347766	25.737 ng/ml
Fentanyl	5.056	44485	23438.6	114.9	132253.8	981842	2.385 ng/ml
Flualprazolam	5.682	113870	50213.0	94.1	∞	362113	25.346 ng/ml
Fluoxetine	5.683	368581	∞	7.5	10922.0	577144	24.171 ng/ml
Hydrocodone	2.972	229106	∞	36.2	∞	510795	26.415 ng/ml
Hydromorphone	1.552	159971	∞	78.3	3021.6	235744	24.021 ng/ml
Ketamine	4.007	387802	35304.1	38.8	2844.8	779244	25.231 ng/ml
Lamotrigine	4.244	35022	2606.5	92.8	178982.5	734183	25.380 ng/ml

# AM #28 Multi-Drug Quant. Results

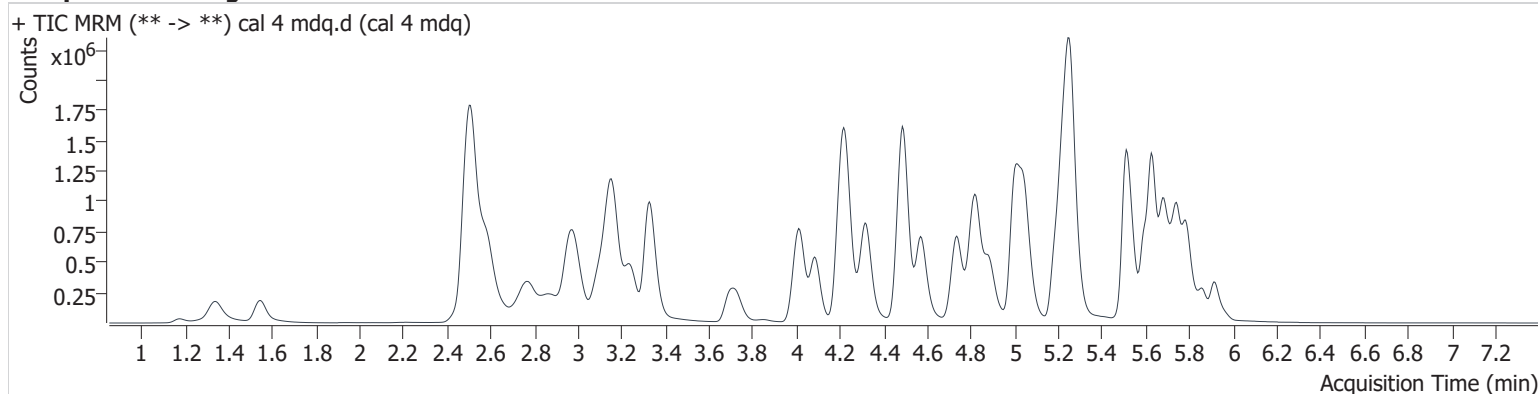
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.594	352097	11751.7	221.8	20869.3	1359743	26.651 ng/ml
Lorazepam	5.719	87841	∞	49.1	722.7	289148	25.447 ng/ml
MDA	3.148	589883	12484.1	27.9	∞	734183	26.595 ng/ml
MDMA	3.240	398466	∞	96.5	21903.8	175170	24.686 ng/ml
Meprobamate	4.887	150414	175949.4	30.0	1639.5	301106	23.748 ng/ml
Methadone	5.631	756128	300381.9	54.2	9726.8	1359743	24.487 ng/ml
Methamphetamine	3.165	903618	8541.7	40.3	6415.4	1466824	26.823 ng/ml
Metoprolol	4.289	93696	∞	99.6	∞	734183	22.532 ng/ml
Mirtazapine	4.574	815876	78978.0	47.8	201590.2	1359743	24.475 ng/ml
Mitragynine	5.185	171402	123524.0	33.7	8136.6	3947654	26.475 ng/ml
Morphine	1.181	20098	8471.3	22.5	671.2	10814	26.416 ng/ml
Norbuprenorphine	4.966	3304	5922.1	96.7	6732.5	30268	2.319 ng/ml
Nordiazepam	5.868	154905	∞	63.2	321581.2	224162	24.984 ng/ml
Norfentanyl	4.043	30609	3137.6	35.4	397211.5	1484832	2.373 ng/ml
Noroxycodone	2.854	177952	∞	44.2	∞	280543	24.418 ng/ml
O-desmethyl-tramadol	3.332	908749	84037.9	6.5	9413.3	1966953	24.494 ng/ml
Oxazepam	5.726	183420	30317.3	70.5	2969.2	289148	25.409 ng/ml
Oxycodone	2.781	458280	∞	29.9	∞	825956	25.036 ng/ml
Oxymorphone	1.344	256825	∞	44.0	∞	354842	25.341 ng/ml
Promethazine	5.517	670888	832352.7	38.9	41554.7	1357755	23.908 ng/ml
Pseudoephedrine	2.519	2036876	∞	24.1	19821.1	3947654	24.686 ng/ml
Quetiapine	5.498	403350	898344.7	64.2	443594.1	259314	26.173 ng/ml
Sertraline	5.746	119985	∞	95.2	138686.4	201251	25.579 ng/ml
Temazepam	5.788	412173	17780.3	29.9	851.4	822944	24.011 ng/ml
Tramadol	4.207	918189	123395.8	3.8	∞	1894593	25.320 ng/ml
Trazodone	5.045	559695	∞	77.3	212803.1	929413	23.933 ng/ml
Venlafaxine	5.005	683564	79067.7	37.7	5060.7	1884813	23.747 ng/ml
Zolpidem	4.822	983043	4009873.5	28.8	∞	1798588	25.263 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

**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** 3/30/2022 2:17:59 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	17544	3000.3	125.5	41438.1	99471	5.008 ng/ml
7-aminoclonazepam	4.237	317146	39870.7	76.8	15592.0	237885	48.961 ng/ml
a-hydroxyalprazolam	5.672	42805	∞	60.2	1190.4	115825	49.946 ng/ml
alpha-PHP	4.886	809937	26753.4	39.8	21585.8	160969	45.623 ng/ml
alpha-PVP	4.322	1076520	68942.6	54.1	9924.8	916578	48.638 ng/ml
Alprazolam	5.746	460724	3482.1	90.7	2249.5	317400	49.715 ng/ml
Amphetamine	2.975	843409	19712.8	236.7	32763.0	647744	53.443 ng/ml
Benzoylcegonine	3.855	23760	48877.6	53.9	447.1	17541	51.166 ng/ml
Buprenorphine	5.665	38948	116491.1	14.4	3301.4	126578	5.181 ng/ml
Bupropion	4.741	1028677	∞	69.4	15662.2	933486	48.938 ng/ml
Carisoprodol	5.706	276168	∞	62.8	4411.1	250264	48.702 ng/ml
Citalopram	5.186	775377	18375.5	39.5	125532.9	689636	50.585 ng/ml
Clonazepam	5.594	293605	545782.7	36.1	112693.2	115825	50.582 ng/ml
Clonazepam	5.535	292205	16999.6	40.1	330013.6	693145	46.543 ng/ml
Cocaine	4.226	740849	2704838.1	49.8	439425.4	1305805	49.331 ng/ml
Codeine	2.516	103328	10272.2	96.1	∞	97504	52.953 ng/ml
Cyclobenzaprine	5.596	920982	307697.9	8.4	∞	588368	50.689 ng/ml
Dextromethorphan	5.229	532960	8594.0	76.0	773196.3	510958	47.346 ng/ml
Dextrophan	4.088	673229	124858.9	45.2	11991440.1	690875	48.126 ng/ml
Diazepam	5.919	317120	14028.0	85.9	5253.3	316732	49.073 ng/ml
Dihydrocodeine	2.475	265442	2674.2	61.2	860.8	339842	53.694 ng/ml
Diphenhydramine	5.256	2321321	69619.1	32.2	87575.0	2580663	48.205 ng/ml
Doxylamine	4.491	2376040	69253.8	81.2	∞	1874256	50.110 ng/ml
EDDP	5.224	1165227	759221.7	43.4	1016080.8	1273047	48.487 ng/ml
Etizolam	5.786	215741	644901.7	25.2	∞	316732	50.095 ng/ml
Fentanyl	5.056	83957	∞	115.3	321845.5	931578	4.572 ng/ml
Flualprazolam	5.682	201334	6313.5	91.5	3852.0	317400	51.408 ng/ml
Fluoxetine	5.683	813444	54684.0	7.2	68245.3	625022	49.086 ng/ml
Hydrocodone	2.967	402701	∞	36.3	∞	446184	54.184 ng/ml
Hydromorphone	1.547	310834	∞	77.3	∞	227640	47.366 ng/ml
Ketamine	4.007	714439	25301.9	38.0	2835.9	722206	50.385 ng/ml
Lamotrigine	4.244	63789	16336.4	87.6	105495.6	664055	51.505 ng/ml
Levetiracetam	2.584	677861	22684.9	224.3	22955.7	1299296	54.706 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	133310	∞	47.3	∞	223820	50.908 ng/ml
MDA	3.148	1050797	59010.5	28.2	2600.7	664055	53.004 ng/ml
MDMA	3.240	731301	58012.4	97.8	45754.0	160969	49.213 ng/ml
Meprobamate	4.882	257581	376328.1	28.7	4581.4	250264	47.964 ng/ml
Methadone	5.631	1417557	630925.5	51.4	4454062.7	1299296	47.771 ng/ml
Methamphetamine	3.165	1598509	11243.7	40.2	9146.9	1366907	54.075 ng/ml
Metoprolol	4.289	170295	494287.7	97.8	∞	664055	44.263 ng/ml
Mirtazapine	4.574	1500322	551521.0	48.6	56619.4	1299296	46.874 ng/ml
Mitragynine	5.185	304916	∞	33.9	18765.7	3632629	51.224 ng/ml
Morphine	1.176	37209	∞	23.1	3089.3	10438	51.259 ng/ml
Norbuprenorphine	4.966	6612	6522.4	89.5	7724.0	28490	5.136 ng/ml
Nordiazepam	5.862	277571	∞	62.5	∞	198586	50.697 ng/ml
Norfentanyl	4.043	56220	4102.2	36.5	∞	1347285	4.733 ng/ml
Noroxycodone	2.849	331892	∞	45.4	∞	253715	50.504 ng/ml
O-desmethyl-tramadol	3.332	1697095	85104.4	6.4	9771.3	1842268	48.900 ng/ml
Oxazepam	5.726	277332	96857.6	71.8	37784.0	223820	49.861 ng/ml
Oxycodone	2.776	868340	∞	29.0	∞	775427	50.590 ng/ml
Oxymorphone	1.339	470595	∞	44.6	∞	328888	50.301 ng/ml
Promethazine	5.517	1336877	1448477.6	40.1	59399.1	1346930	47.707 ng/ml
Pseudoephedrine	2.514	3704529	1259051150 88767.0	24.1	∞	3632629	48.675 ng/ml
Quetiapine	5.498	755146	417304.5	61.1	2903869.7	242992	52.943 ng/ml
Sertraline	5.746	307254	670973.9	97.9	67684.1	268329	49.104 ng/ml
Temazepam	5.793	704707	53879.3	29.1	9265.7	693145	47.515 ng/ml
Tramadol	4.207	1685710	84234.3	3.6	784.7	1726219	51.783 ng/ml
Trazodone	5.045	1035885	18477.9	80.0	51300.3	860632	47.462 ng/ml
Venlafaxine	5.005	1262160	85087.9	37.7	42877.7	1742556	45.741 ng/ml
Zolpidem	4.822	1831006	172009.5	28.9	4493147.5	1661803	51.139 ng/ml

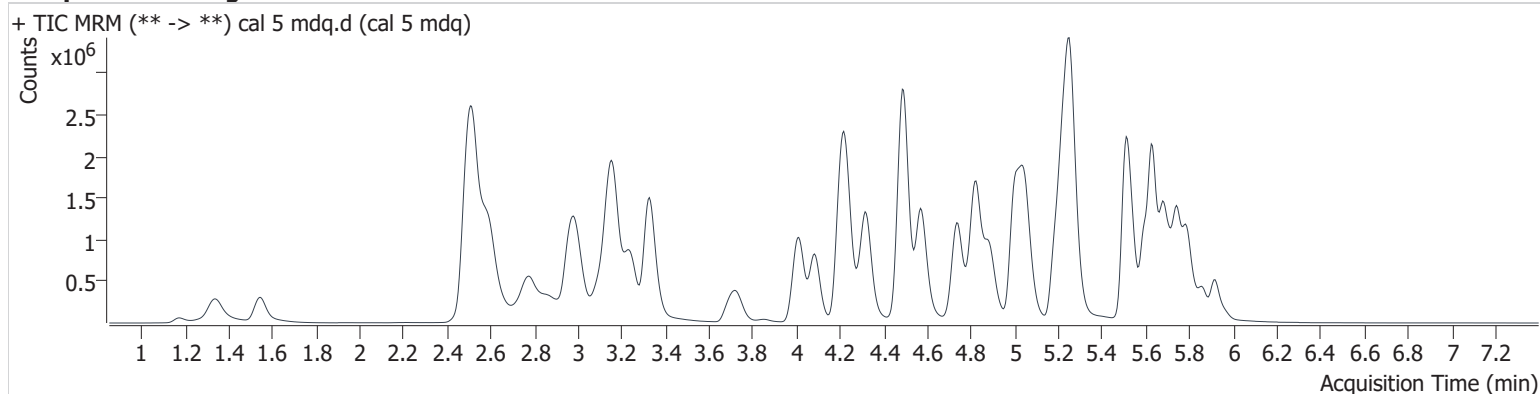


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<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>	3/30/2022 2:27:01 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.094	34064	∞	138.1	6215.7	96759	10.030 ng/ml
7-aminoclonazepam	4.237	561525	∞	76.2	13095.1	202138	101.903 ng/ml
a-hydroxyalprazolam	5.666	69330	1279.4	55.0	2111.9	95247	100.052 ng/ml
alpha-PHP	4.886	1606533	88858.0	39.4	209784.6	156895	92.130 ng/ml
alpha-PVP	4.322	2138856	109107.9	53.7	65788.1	906923	97.559 ng/ml
Alprazolam	5.746	840423	1572.8	94.0	6001.6	277320	103.689 ng/ml
Amphetamine	2.985	1517615	28833.7	236.9	66113.5	629829	100.095 ng/ml
Benzoylcegonine	3.855	46118	107920.1	58.1	1061.5	17966	97.552 ng/ml
Buprenorphine	5.665	71934	∞	14.8	8818.0	125788	9.408 ng/ml
Bupropion	4.741	2093862	64629.1	67.9	27550.2	939284	98.918 ng/ml
Carisoprodol	5.706	452052	1153694.1	64.4	8974.5	213146	93.681 ng/ml
Citalopram	5.186	1420420	305053.7	41.3	33487.8	642333	99.577 ng/ml
Clonazepam	5.594	510622	∞	33.0	∞	95247	107.611 ng/ml
Clonazepam	5.535	530513	1668382.9	39.2	134453.5	610574	94.955 ng/ml
Cocaine	4.226	1416169	142422.4	50.0	57101.0	1248544	98.642 ng/ml
Codeine	2.526	190005	14504.9	95.9	6757760781 59796.0	91487	104.752 ng/ml
Cyclobenzaprine	5.596	1711877	51957.5	8.6	4967.5	561394	98.844 ng/ml
Dextromethorphan	5.229	979147	18791.5	76.1	393851.8	479486	91.201 ng/ml
Dextrorphan	4.083	1340180	126622.8	44.4	305869.4	690277	94.930 ng/ml
Diazepam	5.919	626373	14161.1	86.0	16038.1	307966	99.507 ng/ml
Dihydrocodeine	2.485	505462	1252.3	61.0	1784.1	339307	103.083 ng/ml
Diphenhydramine	5.256	4433157	143787.4	32.5	39288.8	2474849	95.680 ng/ml
Doxylamine	4.491	4818009	190444.6	80.4	180677.0	1902632	100.260 ng/ml
EDDP	5.224	2268872	∞	43.2	34496.4	1210268	99.102 ng/ml
Etizolam	5.786	418708	6680.0	25.0	54587.4	307966	100.329 ng/ml
Fentanyl	5.056	163054	6755.1	118.5	209900.3	896353	9.052 ng/ml
Flualprazolam	5.682	366586	13210.6	92.6	∞	277320	107.429 ng/ml
Fluoxetine	5.683	1336203	19635.2	7.2	179534.4	512426	98.180 ng/ml
Hydrocodone	2.972	721161	∞	38.1	∞	446544	97.759 ng/ml
Hydromorphone	1.547	643133	∞	73.4	∞	225496	97.893 ng/ml
Ketamine	4.007	1408706	∞	38.3	6859.7	712716	100.903 ng/ml
Lamotrigine	4.244	110694	∞	89.3	25630.6	585967	101.667 ng/ml

# AM #28 Multi-Drug Quant. Results

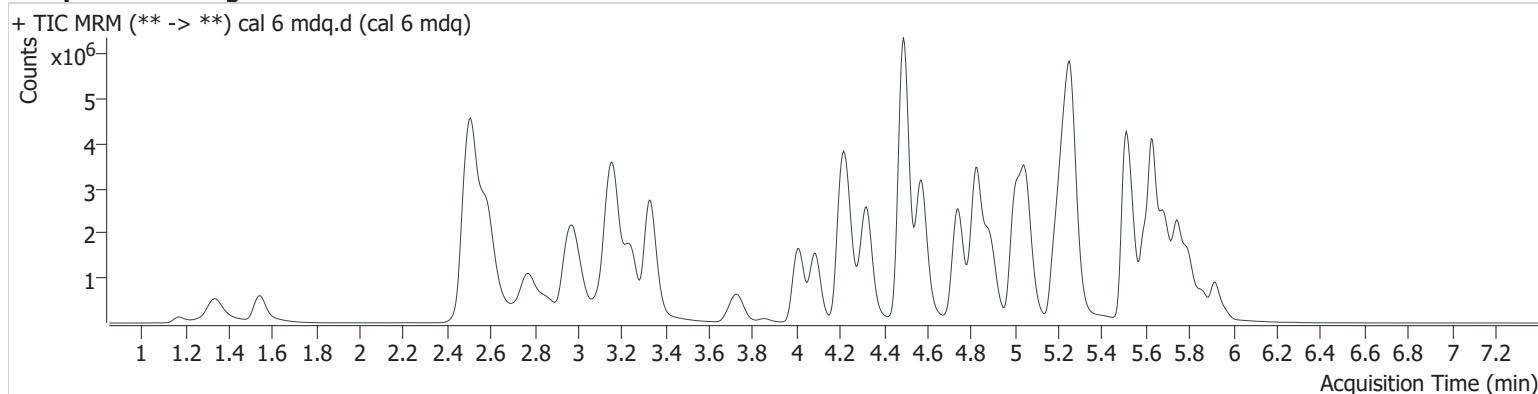
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.594	1276770	33820.8	223.3	69016.6	1259203	107.261 ng/ml
Lorazepam	5.719	177427	63458.0	47.6	10474.8	165155	92.673 ng/ml
MDA	3.143	1810424	37078.3	27.8	3129.1	585967	104.104 ng/ml
MDMA	3.240	1421161	97284.3	97.5	46051.8	156895	98.030 ng/ml
Meprobamate	4.882	432695	248921.1	31.3	28451.6	213146	93.716 ng/ml
Methadone	5.631	2759173	186462.8	52.8	∞	1259203	95.660 ng/ml
Methamphetamine	3.160	3019134	6537883443 3087.1	40.5	13717.7	1389289	103.502 ng/ml
Metoprolol	4.289	327553	858976.4	97.8	∞	585967	95.296 ng/ml
Mirtazapine	4.574	3006072	211134.9	48.4	75192.6	1259203	96.644 ng/ml
Mitragynine	5.185	570708	399652.9	35.9	192461.0	3491210	99.803 ng/ml
Morphine	1.176	78349	∞	22.4	∞	11333	100.012 ng/ml
Norbuprenorphine	4.961	12696	38241.7	87.3	25267.4	29098	9.816 ng/ml
Nordiazepam	5.868	507043	∞	62.1	∞	184830	99.655 ng/ml
Norfentanyl	4.043	109541	11210.5	37.5	100782.2	1297448	9.506 ng/ml
Noroxycodone	2.854	618419	∞	46.0	∞	239434	99.853 ng/ml
O-desmethyl-tramadol	3.327	3458956	162134.3	6.4	19592.0	1866276	98.448 ng/ml
Oxazepam	5.726	407021	44861.0	71.8	5750.7	165155	99.408 ng/ml
Oxycodone	2.776	1732972	∞	29.1	∞	784364	99.873 ng/ml
Oxymorphone	1.339	956409	∞	43.8	∞	334341	100.768 ng/ml
Promethazine	5.517	2580333	1113925.7	39.3	92802.1	1290034	95.822 ng/ml
Pseudoephedrine	2.515	7204622	∞	24.1	∞	3491210	98.375 ng/ml
Quetiapine	5.498	1453904	2329369.0	61.6	∞	246277	101.159 ng/ml
Sertraline	5.746	485917	3538185.8	97.4	310070.3	209205	99.578 ng/ml
Temazepam	5.793	1240708	21640.6	28.6	4939.9	610574	93.781 ng/ml
Tramadol	4.207	3285522	166313.5	3.6	2001.0	1726651	101.617 ng/ml
Trazodone	5.045	2030190	75900.1	78.2	70566.4	827903	96.309 ng/ml
Venlafaxine	5.005	2531466	118084.6	37.4	199041.1	1741493	90.094 ng/ml
Zolpidem	4.825	3627778	138172.3	28.9	226506.2	1678354	100.523 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 6 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 6 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	3/30/2022 2:36:04 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.094	79220	16031.4	134.2	12892.2	90584	24.967 ng/ml
7-aminoclonazepam	4.248	946780	∞	80.5	24300.2	131983	262.978 ng/ml
a-hydroxyalprazolam	5.666	95052	1998.8	58.3	3235.6	61484	214.446 ng/ml
alpha-PHP	4.886	3770179	94030.1	39.6	∞	135304	249.519 ng/ml
alpha-PVP	4.325	4969439	5052262.3	53.6	120672.6	831562	247.051 ng/ml
Alprazolam	5.746	1571165	1455.8	93.6	∞	210382	255.383 ng/ml
Amphetamine	2.975	3016626	50968.1	231.4	∞	596223	211.722 ng/ml
Benzoylcegonine	3.855	123318	39673.2	55.9	4580.5	18708	251.539 ng/ml
Buprenorphine	5.665	157293	98280.5	15.4	27294.6	103681	24.531 ng/ml
Bupropion	4.741	5099994	207606.0	67.1	86079.3	893092	253.275 ng/ml
Carisoprodol	5.706	724576	∞	60.8	7197.0	126073	254.013 ng/ml
Citalopram	5.186	2924645	90406.4	41.6	50207.3	528701	249.228 ng/ml
Clonazepam	5.589	739865	∞	34.6	1811817.2	61484	242.258 ng/ml
Clonazepam	5.540	913241	23540.4	39.6	∞	395114	251.068 ng/ml
Cocaine	4.226	3085260	230731.9	49.2	119258.3	1067948	251.269 ng/ml
Codeine	2.516	373415	61204.6	93.3	60081.7	78201	242.166 ng/ml
Cyclobenzaprine	5.596	3791611	61166.4	8.4	1040764.7	486968	252.550 ng/ml
Dextromethorphan	5.229	2004592	162496.3	75.4	62705.5	379230	233.600 ng/ml
Dextrophan	4.088	3150473	322266.0	45.1	3326599.2	636807	240.408 ng/ml
Diazepam	5.919	1336976	∞	87.0	8327.8	266196	245.464 ng/ml
Dihydrocodeine	2.465	1119509	4952.9	61.2	1810.0	323771	240.251 ng/ml
Diphenhydramine	5.261	9676654	1785299.6	31.1	145304.0	2052500	251.308 ng/ml
Doxylamine	4.493	11999784	467048.6	81.7	733112.5	1831958	259.605 ng/ml
EDDP	5.224	5096073	8278777.5	42.9	43279.8	1054215	255.228 ng/ml
Etizolam	5.786	876513	124420.9	25.0	3262.6	266196	243.465 ng/ml
Fentanyl	5.056	383163	18680.4	120.7	427514.7	800094	23.546 ng/ml
Flualprazolam	5.682	669231	∞	90.6	∞	210382	258.908 ng/ml
Fluoxetine	5.688	2812761	106606.7	7.1	∞	415271	254.759 ng/ml
Hydrocodone	2.967	1534772	∞	37.7	∞	385136	242.718 ng/ml
Hydromorphone	1.542	1500247	∞	73.0	∞	198369	258.003 ng/ml
Ketamine	4.007	3339707	130095.9	37.8	42738.7	679564	251.235 ng/ml
Lamotrigine	4.249	201990	11857.1	88.7	265485.1	419315	259.855 ng/ml
Levetiracetam	2.584	2747862	142766.4	223.0	40485.4	1164733	250.892 ng/ml

# AM #28 Multi-Drug Quant. Results

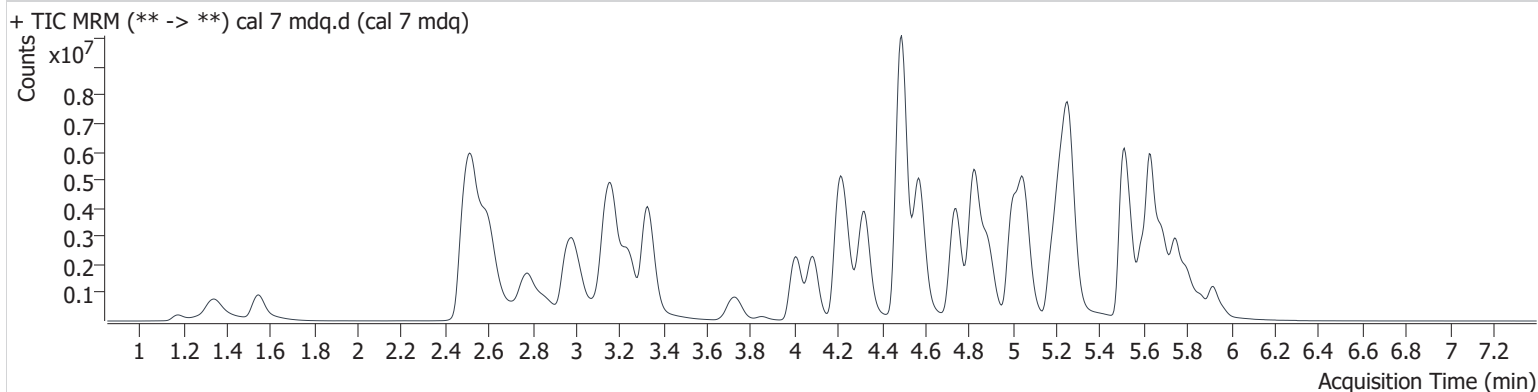
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	179756	∞	49.6	133420.4	70789	220.496 ng/ml
MDA	3.138	3000293	47717.6	29.5	7871.8	419315	241.940 ng/ml
MDMA	3.240	3186911	313777.5	96.4	416116.6	135304	254.764 ng/ml
Meprobamate	4.882	750217	∞	29.8	4429.2	126073	272.951 ng/ml
Methadone	5.631	6645344	286351.5	51.7	34802.5	1164733	248.627 ng/ml
Methamphetamine	3.160	6790779	131646.5	39.5	15655.9	1360695	242.250 ng/ml
Metoprolol	4.289	666782	1921182.2	98.6	∞	419315	269.231 ng/ml
Mirtazapine	4.574	7180972	498511.7	48.5	1769599.8	1164733	249.201 ng/ml
Mitragynine	5.185	1249626	35752.5	34.5	61526.1	3026145	252.185 ng/ml
Morphine	1.176	180794	∞	22.7	∞	10906	240.737 ng/ml
Norbuprenorphine	4.961	31218	128462.0	89.7	86067.1	28086	25.288 ng/ml
Nordiazepam	5.868	963664	∞	61.5	∞	137292	255.229 ng/ml
Norfentanyl	4.043	241398	17812.0	37.2	639101.4	1070436	25.276 ng/ml
Noroxycodone	2.849	1258950	∞	44.4	∞	190275	256.012 ng/ml
O-desmethyl-tramadol	3.332	8279263	417694.4	6.3	135304.5	1771181	248.391 ng/ml
Oxazepam	5.721	434695	11511.6	71.3	∞	70789	248.053 ng/ml
Oxycodone	2.771	4173229	∞	29.1	∞	750142	251.572 ng/ml
Oxymorphone	1.334	2191331	∞	44.2	∞	307580	251.277 ng/ml
Promethazine	5.517	6236994	304883.0	37.8	80365.2	1197904	248.922 ng/ml
Pseudoephedrine	2.509	16037416	∞	23.8	∞	3026145	252.448 ng/ml
Quetiapine	5.498	3150100	∞	60.6	∞	219444	246.910 ng/ml
Sertraline	5.746	1125159	1911814.8	97.3	30153.1	188361	256.052 ng/ml
Temazepam	5.799	2060139	365146.9	28.6	1670237738 3526.9	395114	238.772 ng/ml
Tramadol	4.207	7320240	254924.2	3.5	23195.4	1611884	243.571 ng/ml
Trazodone	5.051	4648466	386160.7	78.7	72024.7	709308	256.762 ng/ml
Venlafaxine	5.005	6118852	263141.5	36.3	58822.1	1581606	236.973 ng/ml
Zolpidem	4.827	8664800	444797.9	28.8	550525.0	1593037	253.268 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

<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>	3/30/2022 2:45:07 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.089	128522	∞	135.5	6981.4	75302	48.758 ng/ml
7-aminoclonazepam	4.248	972464	22341.2	86.0	32707.0	76634	465.118 ng/ml
a-hydroxyalprazolam	5.661	104702	1186.7	61.2	∞	32961	442.460 ng/ml
alpha-PHP	4.886	6129302	∞	38.8	76545.2	102593	534.198 ng/ml
alpha-PVP	4.322	8287987	292377.5	51.8	177919.2	663347	516.400 ng/ml
Alprazolam	5.746	2222813	5730.2	90.9	6522.7	155491	488.765 ng/ml
Amphetamine	2.985	4124572	65969.5	226.2	∞	482349	358.794 ng/ml
Benzoylcegonine	3.850	205949	∞	56.3	5081.8	15793	498.279 ng/ml
Buprenorphine	5.665	237033	314802.3	15.3	32226.1	80306	47.483 ng/ml
Bupropion	4.740	8618037	5764541.2	65.2	163301.1	751809	508.338 ng/ml
Carisoprodol	5.706	891095	1681388.9	62.4	31499.0	78344	502.789 ng/ml
Citalopram	5.180	4168303	67912.5	41.7	60304.3	377406	497.693 ng/ml
Clonazepam	5.583	811921	198305.7	33.7	598751.6	32961	496.507 ng/ml
Clonazepam	5.546	1108044	77187.3	40.2	5527.3	222836	539.075 ng/ml
Cocaine	4.226	4624230	171319.6	50.0	157067.2	806470	498.729 ng/ml
Codeine	2.532	484444	333524.5	100.9	12253.2	54476	451.874 ng/ml
Cyclobenzaprine	5.596	5571499	179534.4	8.3	7238.1	367006	492.505 ng/ml
Dextromethorphan	5.224	2802691	796314.4	75.7	68056.1	264350	466.973 ng/ml
Dextrophan	4.083	5161044	455201.2	44.7	1494764.6	507488	493.171 ng/ml
Diazepam	5.919	2052746	∞	86.2	∞	200571	500.006 ng/ml
Dihydrocodeine	2.480	1652567	4248.7	61.5	3695.5	270542	424.994 ng/ml
Diphenhydramine	5.261	14486236	431444.5	30.9	87256.8	1477090	522.429 ng/ml
Doxylamine	4.491	20188560	3651828.1	83.7	195286.6	1555335	514.604 ng/ml
EDDP	5.224	8142440	566446.6	42.9	327740.3	845273	508.408 ng/ml
Etizolam	5.786	1327064	26219.0	24.9	6151.8	200571	489.561 ng/ml
Fentanyl	5.056	615664	127202.4	125.1	723844.7	622165	48.467 ng/ml
Flualprazolam	5.682	903444	30451.2	90.8	2577.5	155491	473.134 ng/ml
Fluoxetine	5.688	3727736	199085.5	7.2	872285.0	277305	505.448 ng/ml
Hydrocodone	2.967	2487734	∞	38.6	∞	316172	480.233 ng/ml
Hydromorphone	1.547	2511334	∞	72.9	∞	170386	501.905 ng/ml
Ketamine	4.007	5445019	305404.4	37.7	31982.8	562236	495.315 ng/ml
Lamotrigine	4.249	240617	∞	90.8	71426.7	284777	456.082 ng/ml
Levetiracetam	2.600	3918777	71959.5	225.1	512282.0	926329	450.678 ng/ml

# AM #28 Multi-Drug Quant. Results

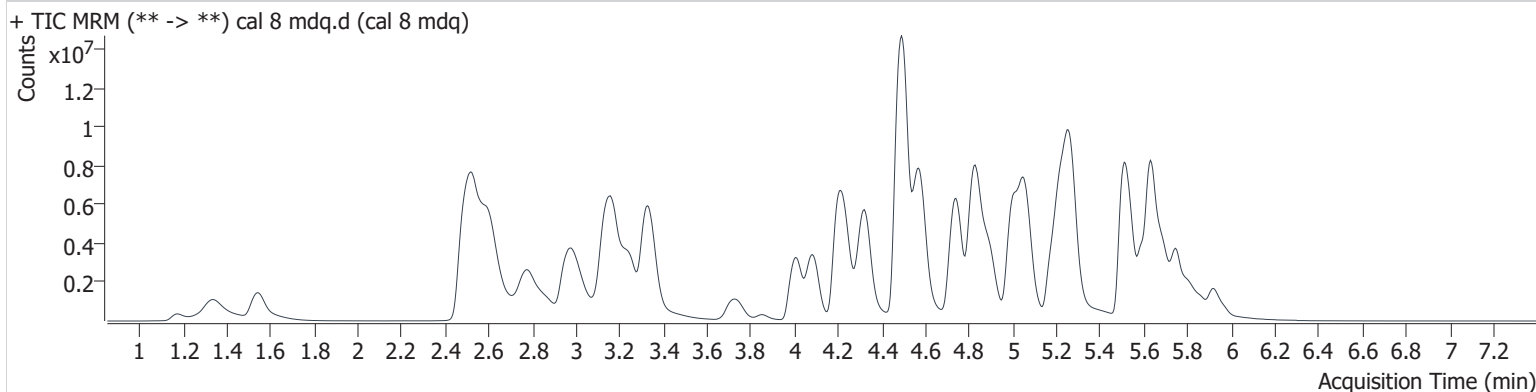
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	181130	∞	51.5	∞	27964	564.077 ng/ml
	3.122	3669071	56013.1	27.5	15654.5	284777	436.164 ng/ml
MDMA	3.240	4716231	∞	95.7	163649.2	102593	497.141 ng/ml
Meprobamate	4.876	908770	568191.5	29.6	6762.7	78344	531.203 ng/ml
Methadone	5.631	10993717	243808.5	50.0	148738.5	926329	516.869 ng/ml
Methamphetamine	3.160	10419303	∞	39.5	120693.2	1201053	423.690 ng/ml
Metoprolol	4.284	924909	301729.8	97.9	∞	284777	548.841 ng/ml
Mirtazapine	4.574	11779090	249115.6	47.5	229223.8	926329	513.710 ng/ml
Mitragynine	5.179	1804099	829300.1	36.2	302369.8	2300161	479.036 ng/ml
Morphine	1.176	302795	∞	22.8	∞	8965	491.137 ng/ml
Norbuprenorphine	4.956	50168	51119.7	95.6	79929.6	21908	52.294 ng/ml
Nordiazepam	5.868	1263628	83879.0	61.8	114731.9	92213	498.434 ng/ml
Norfentanyl	4.043	366104	19376.6	37.1	∞	795662	51.500 ng/ml
Noroxycodone	2.849	1851269	∞	45.7	∞	141856	505.094 ng/ml
O-desmethyl-tramadol	3.327	14046757	471239.3	6.1	100135.2	1458693	511.772 ng/ml
Oxazepam	5.721	347243	101855.8	70.9	∞	27964	501.845 ng/ml
Oxycodone	2.776	6906711	∞	29.2	∞	624209	500.411 ng/ml
Oxymorphone	1.339	3565969	∞	44.1	∞	252697	497.919 ng/ml
Promethazine	5.512	10100806	410558.2	36.6	∞	919198	525.010 ng/ml
Pseudoephedrine	2.517	24588679	∞	23.4	∞	2300161	509.097 ng/ml
Quetiapine	5.493	4749459	541399.2	59.4	51255896.5	181051	451.751 ng/ml
Sertraline	5.746	1501544	55456.0	97.4	2474888.0	129468	497.122 ng/ml
Temazepam	5.804	2397042	60871.0	29.5	11826.9	222836	491.342 ng/ml
Tramadol	4.206	11304389	467250.2	3.4	10036.3	1208891	502.324 ng/ml
Trazodone	5.050	7540947	135374.9	78.4	161023.0	533867	552.981 ng/ml
Venlafaxine	5.000	10133426	1046546.2	35.8	112588.1	1250150	494.650 ng/ml
Zolpidem	4.822	14453954	1145447.7	28.5	178891.5	1343479	501.163 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\033022\QuantResults\mdq.batch.bin  
**Calibration Last Update** 3/31/2022 8:45:34 AM

**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** 3/30/2022 3:03:05 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.089	215969	131033.1	135.7	25858.2	63312	97.482 ng/ml
7-aminoclonazepam	4.253	929361	2496.8	74.4	3206.6	34009	1001.505 ng/ml
a-hydroxyalprazolam	5.666	117147	1143.5	57.7	492.5	14041	1164.942 ng/ml
alpha-PHP	4.892	9739953	546114.0	38.8	265760.9	74872	1162.364 ng/ml
alpha-PVP	4.324	13743688	643674.2	51.6	211597.1	543240	1045.550 ng/ml
Alprazolam	5.751	2981541	10154.2	93.5	4072.4	101632	1002.924 ng/ml
Amphetamine	2.985	5229019	253859.1	227.0	276469.9	410190	535.578 ng/ml
Benzoylcegonine	3.850	465488	5418605.0	54.7	9836.8	17341	1026.356 ng/ml
Buprenorphine	5.665	314920	262464.6	14.8	1208.4	48924	103.248 ng/ml
Bupropion	4.741	14884573	534799.6	63.7	205733.1	648892	1017.145 ng/ml
Carisoprodol	5.706	1064355	3085103.0	60.7	80762.1	44087	1067.292 ng/ml
Citalopram	5.179	5244744	226584.7	42.3	334496.8	238525	990.925 ng/ml
Clonazepam	5.583	650847	28031.5	34.4	870513.7	14041	934.823 ng/ml
Clonazepam	5.551	1171330	∞	39.4	5137.9	114932	1103.921 ng/ml
Cocaine	4.226	6913660	509094.6	48.1	273020.9	583245	1031.048 ng/ml
Codeine	2.532	740733	25343.0	95.9	20790.6	41304	912.313 ng/ml
Cyclobenzaprine	5.596	7657326	384068.9	8.2	491402.2	246206	1009.107 ng/ml
Dextromethorphan	5.224	3735842	54946.1	74.8	337431.7	154923	1060.123 ng/ml
Dextrophan	4.083	8656531	2699639.6	43.0	606547.4	409743	1023.477 ng/ml
Diazepam	5.924	3207136	36037.9	87.4	∞	152485	1027.349 ng/ml
Dihydrocodeine	2.475	2649040	2195.0	61.7	2034.2	243536	757.388 ng/ml
Diphenhydramine	5.267	20700669	631135.9	30.5	258224.8	1036811	1063.234 ng/ml
Doxylamine	4.491	32818359	1017689.4	88.5	1572934.5	1400758	928.983 ng/ml
EDDP	5.225	13745977	3926192.3	43.2	∞	707540	1025.167 ng/ml
Etizolam	5.791	2068159	11911.5	25.3	∞	152485	1003.903 ng/ml
Fentanyl	5.061	1009821	89972.1	131.1	∞	473153	104.332 ng/ml
Flualprazolam	5.682	1155571	23139.6	89.5	2375.9	101632	926.140 ng/ml
Fluoxetine	5.692	4514168	370967.8	7.3	636990.6	165435	1025.809 ng/ml
Hydrocodone	2.962	4406732	∞	37.6	∞	288292	933.904 ng/ml
Hydromorphone	1.542	4519774	∞	73.0	∞	147500	1042.427 ng/ml
Ketamine	4.007	9014894	362100.5	36.1	72086.8	473789	973.368 ng/ml
Lamotrigine	4.254	245780	6464.1	95.7	51816.4	185347	716.009 ng/ml
Levetiracetam	2.604	5952175	182075.0	225.5	811218.3	725774	874.620 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	205725	∞	49.0	6087.7	11901	1507.216 ng/ml
MDA	3.112	4062117	61002.4	27.4	35246.1	185347	742.386 ng/ml
MDMA	3.241	7176969	407204.0	94.7	763723.5	74872	1036.531 ng/ml
Meprobamate	4.903	950260	∞	28.8	∞	44087	986.281 ng/ml
Methadone	5.636	18055394	264380.9	48.6	421079.8	725774	1083.135 ng/ml
Methamphetamine	3.160	15959595	100025.4	38.2	134680.8	1126459	694.181 ng/ml
Metoprolol	4.284	1186943	2326309.6	98.5	∞	185347	1081.195 ng/ml
Mirtazapine	4.573	19547832	1343868.7	47.1	617894.2	725774	1087.823 ng/ml
Mitragynine	5.179	2705536	134704.8	36.5	60735.9	1734301	952.829 ng/ml
Morphine	1.176	582542	∞	23.3	∞	8689	975.470 ng/ml
Norbuprenorphine	4.956	86622	259617.6	92.3	206862.5	18123	109.346 ng/ml
Nordiazepam	5.868	1501987	∞	61.6	∞	57025	958.185 ng/ml
Norfentanyl	4.043	517820	41153.7	36.5	120570.6	523791	110.570 ng/ml
Noroxycodone	2.854	2690491	∞	45.5	∞	106773	975.388 ng/ml
O-desmethyl-tramadol	3.330	23970570	3643415.5	6.0	269789.2	1229896	1035.860 ng/ml
Oxazepam	5.726	292957	36620.1	72.8	4960.8	11901	995.117 ng/ml
Oxycodone	2.776	11857261	∞	28.9	∞	546666	981.010 ng/ml
Oxymorphone	1.334	5832260	∞	43.7	∞	211814	971.741 ng/ml
Promethazine	5.517	15960264	884914.4	34.8	276963.6	707628	1077.264 ng/ml
Pseudoephedrine	2.524	37370503	∞	23.2	∞	1734301	1026.068 ng/ml
Quetiapine	5.493	6607154	1703031.0	61.0	4386367.3	151205	752.933 ng/ml
Sertraline	5.746	1766924	35831860.6	98.3	110183.5	77444	977.924 ng/ml
Temazepam	5.814	2591197	∞	28.6	10354.6	114932	1028.500 ng/ml
Tramadol	4.202	17592245	279875.6	3.4	17369.4	993173	952.199 ng/ml
Trazodone	5.055	11792585	373047.6	78.6	167167.4	372682	1238.300 ng/ml
Venlafaxine	5.000	17214658	423088.1	35.9	79143.9	1015898	1032.232 ng/ml
Zolpidem	4.827	23537345	∞	28.3	311048.5	1155670	948.925 ng/ml