






**Worklist: 4737**

REVIEWED  
By Anthony Wylie at 2:00 pm, Jan 14, 2021

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-2572	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2609	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-2611	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2618	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2618	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0023	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0037	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0047	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0048	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0049	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0050	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0056	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0066	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0070	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 1/13/21                      Analyst: Anne Nord  
Plate lot#: 200513 (part IDP-111-2)                      Plate Expiration: 11/13/20

**Mobile phase A:** 5mM Amm Form + 0.01% FA                      **Mobile phase B:** 0.01% Formic Acid in MeOH  
0.5M Ammonium Hydroxide                      Ethyl Acetate                      20% Methanol in Water

**Blank Blood Lot:** 20J20793                      **Urine Blank lot:** 10120

**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. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH, Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

## Post-Analytic

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

COMMENTS: *All compounds evaluated qualitatively (external control low)*

Limited curve ranges –Benzoylcegonine 25-1000, buprenorphine 2.5-100 Methamphetamine 50-1000, Norbuprenorphine 5-100, Phentermine 10-1000

Not evaluated –norhydrocodone (ratios out), sertraline (accuracy of calibrators)

*Due to the extraction occurring after the expiration of the analytical plate, an external control was included with this run as specified in the analytical method.*

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1	20-2618-4	21-0066-1				IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2	20-2611-1	21-0070-1				IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3	21-0023-2	negative urine			neg	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4	21-0048-1	urine control			IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	QC2 urine			IS + Cal. 5	IS + QC_2	21-0047-3	20-2609-1			IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6	negative blood	21-0049-1	21-0037-1			IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7	20-2618-1	21-0050-1	external control blood			IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8	20-2572-3	21-0056-1				IS + QC_1	IS + Cal. 1

C20 - - - -

Toxicology AM method 25/28 urine external control prep  
working solution 10000 ng/ml in meoh methamphetamine, temazepam, midazolam  
Stock solution 1mg/ml 50 ul each in 4850 ul MeOH (fisher 195629)

ppd 8/6/20: Exp: 4/1/2021 lot 4121                      by baw

Drug	lot	expiration
Methamphetamine	FE08101708	10/1/2022
midazolam	FE01221602	4/1/2021
temazepam	FE04261601	5/1/2021

**AM 25/28 control 500 ul working solution (4121) in 4500 ul negative urine (1000ng/mL Expected concentration)**

ppd 8/6/20, exp 4/1/2021 lot u4121                      negative urine 73020                      by AMN

**AM 25/28 Blood Control: 50ul working solution (4121) in 4950 ul neg blood (100ng/mL Expected concentration)**

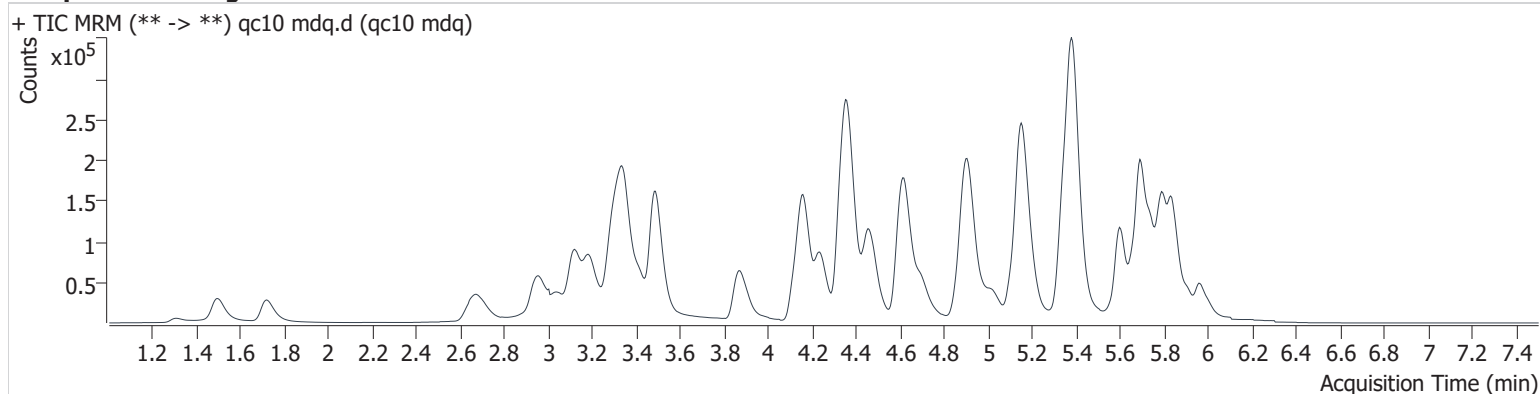
ppp 8/6/20, exp 4/1/21 lot b4121                      neg blood 20G20792                      by AMN

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

**Instrument** 69679 **Data File** qc10 mdq.d  
**Type** QC **Sample** qc10 mdq  
**Acq. Method** MDQP1 5-27-20.m **Operator** Anne Nord  
**Sample Position** P2-A6 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/13/2021 6:31:10 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	1130	415.4	86.2	1632.0	27355	1.004 ng/ml
7-aminoclonazepam	4.364	22275	395.7	94.9	164.9	89957	10.091 ng/ml
a-hydroxyalprazolam	5.738	4629	4204.4	61.1	3332.5	22655	10.838 ng/ml
alpha-PHP	5.031	49515	6862.5	37.8	941.0	220744	10.505 ng/ml
alpha-PVP	4.464	74583	2012.1	50.6	1543.5	303456	10.116 ng/ml
Alprazolam	5.802	26751	606.2	120.4	878.1	97127	10.786 ng/ml
Amphetamine	3.197	145266	2362.4	49.0	617.9	213472	7.651 ng/ml
Bupropion	4.893	68228	1487.5	66.2	1154.0	220744	10.243 ng/ml
Carisoprodol	5.757	18287	628.2	71.1	248.5	90525	9.730 ng/ml
Citalopram	5.328	45148	985.3	37.7	605.9	187932	10.049 ng/ml
Clonazepam	5.661	26771	535.6	33.8	10176.4	42752	9.935 ng/ml
Cocaine	4.368	59381	434.2	47.1	1894.4	411794	10.329 ng/ml
Codeine	2.715	6806	129.9	109.1	210.0	34550	10.368 ng/ml
Cyclobenzaprine	5.669	42707	1384.3	8.2	4080.6	117391	11.529 ng/ml
Dextromethorphan	5.367	34430	3502.9	80.6	2331.6	156644	10.169 ng/ml
Dextrorphan	4.237	18544	568.0	213.8	3047.2	224150	10.055 ng/ml
Diazepam	5.968	19472	659.5	87.1	1582.5	91432	10.478 ng/ml
Dihydrocodeine	2.679	18215	183.4	57.8	157.7	100332	9.810 ng/ml
Diphenhydramine	5.389	142558	4039.0	30.3	2910.5	707355	10.290 ng/ml
Doxylamine	4.620	149219	2447.3	95.2	1799.1	575966	10.145 ng/ml
EDDP	5.351	29779	683.7	218.4	33584.9	312543	10.387 ng/ml
Fentanyl	5.178	4645	82.7	68.5	4206.6	197814	0.998 ng/ml
Fluoxetine	5.745	32990	9504.3	7.4	2888.8	85410	13.036 ng/ml
Hydrocodone	3.147	29733	567.8	34.3	307.1	158512	10.070 ng/ml
Hydromorphone	1.727	25296	3313.9	69.3	2560.9	75182	10.393 ng/ml
Ketamine	4.137	48669	3933.6	36.6	232.9	214257	9.872 ng/ml
Lamotrigine	4.416	4165	768.3	92.4	821.8	255266	10.025 ng/ml
Lorazepam	5.780	24347	737.3	48.1	70.2	187332	10.015 ng/ml
MDA	3.339	79626	464.7	27.4	144.7	255266	10.089 ng/ml
MDMA	3.420	50654	1127.6	94.3	209.9	49111	10.040 ng/ml
Meprobamate	5.017	16989	6274.9	25.8	84.2	64594	9.738 ng/ml
Methadone	5.698	84686	3403.3	55.6	1734.9	387174	10.242 ng/ml
Methamphetamine	3.349	67393	768.0	239.0	∞	472384	5.560 ng/ml ocr

# AM #28 Multi-Drug Quant. Results

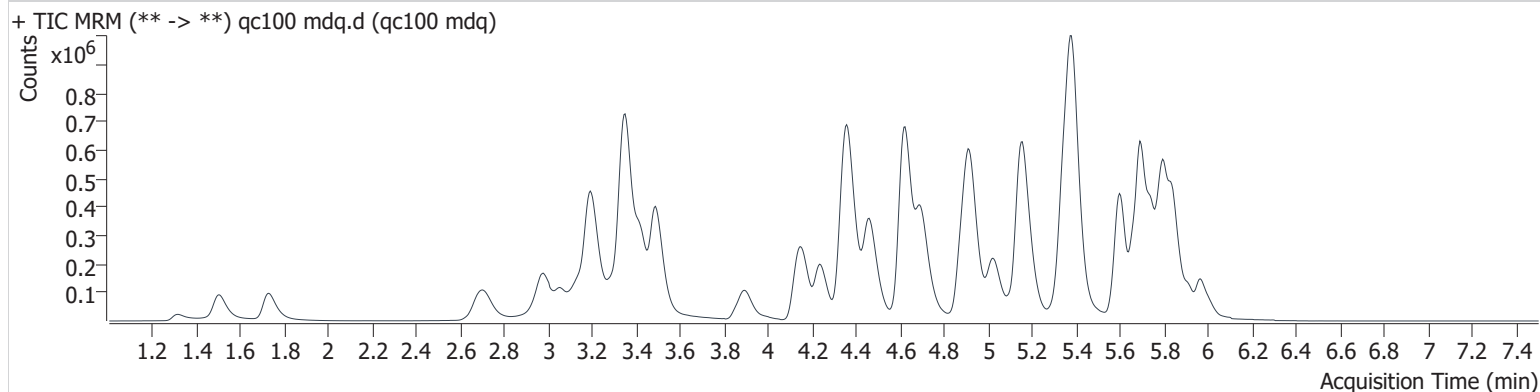
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.421	9171	205.1	96.0	409.2	255266	9.669 ng/ml
Mirtazapine	4.697	87747	2512.1	47.5	842.9	246089	10.008 ng/ml
Mitragynine	5.307	15626	27506.9	31.0	2105.1	246089	10.664 ng/ml
Morphine	1.311	3716	2034.9	17.1	412.4	5047	9.772 ng/ml
Nordiazepam	5.917	16775	275.3	61.2	4682.8	58362	10.230 ng/ml
Norfentanyl	4.183	1023	69.8	339.4	91.1	476920	0.734 ng/ml
Noroxycodone	3.055	27380	519.8	44.4	25.4	96489	10.420 ng/ml
O-desmethyl-tramadol	3.491	96549	4896.9	6.8	210.9	495972	10.081 ng/ml
Oxazepam	5.787	34163	789.7	87.5	136.6	187332	9.901 ng/ml
Oxycodone	2.968	54398	693.3	28.8	856.0	225317	9.944 ng/ml
Oxymorphone	1.499	28920	2391.8	45.2	421.1	109868	10.176 ng/ml
Phentermine	3.903	19829	51.8	8.7	89.6	246089	10.314 ng/ml
Promethazine	5.601	55722	529.2	39.8	598.5	259871	10.338 ng/ml
Quetiapine	5.577	32790	2501.9	56.5	11542.5	41512	10.692 ng/ml
Temazepam	5.844	57718	904.1	27.5	110.4	267748	10.201 ng/ml
Tramadol	4.349	119791	3842.3	3.5	45.4	576457	10.122 ng/ml
Trazodone	5.152	58393	4006.1	72.6	563.7	258995	10.404 ng/ml
Venlafaxine	5.149	70048	7734.0	44.9	831.4	529649	10.163 ng/ml
Zolpidem	4.921	121144	4165.4	31.8	725.0	522763	10.067 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 6:40:13 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	10490	14932.9	73.3	8223.2	24245	10.553 ng/ml
7-aminoclonazepam	4.359	216022	582.8	94.3	955.1	85428	104.079 ng/ml
a-hydroxyalprazolam	5.733	39377	965.2	62.2	1666.9	20510	102.455 ng/ml
alpha-PHP	5.026	447465	41329.9	38.5	3045.6	200351	104.363 ng/ml
alpha-PVP	4.464	671361	5215.1	52.3	4669.2	269067	102.912 ng/ml
Alprazolam	5.802	244393	3244.0	113.7	4641.6	90138	103.107 ng/ml
Amphetamine	3.197	1286172	12518.9	46.1	12590.8	184126	101.981 ng/ml
Benzoylcegonine	3.986	13760	20580.9	7.4	67.4	4620	113.736 ng/ml
Buprenorphine	5.691	6670	1678.4	18.0	736.2	24642	10.597 ng/ml
Bupropion	4.888	607601	127994.6	65.8	6983.8	200351	103.588 ng/ml
Carisoprodol	5.752	166416	11533.9	71.4	2067.6	78403	103.929 ng/ml
Citalopram	5.328	399442	688.9	40.8	243527.4	167085	102.961 ng/ml
Clonazepam	5.661	238613	10043.6	30.9	120551.9	36258	109.883 ng/ml
Cocaine	4.363	519890	39480.5	46.4	1865.7	354525	107.076 ng/ml
Codeine	2.720	56320	93.4	111.2	1957.0	29761	101.225 ng/ml
Cyclobenzaprine	5.669	446521	731382.7	7.9	34517.3	137798	104.662 ng/ml
Dextromethorphan	5.362	320426	331543.3	76.2	359722.0	144398	107.769 ng/ml
Dextrorphan	4.237	164608	1492.8	221.4	2863.9	196691	102.494 ng/ml
Diazepam	5.968	178905	3207.3	88.1	1439.0	81469	105.165 ng/ml
Dihydrocodeine	2.689	168638	15952.9	59.3	2061.0	86287	105.770 ng/ml
Diphenhydramine	5.389	1285422	201427.6	30.9	1855.1	655879	101.945 ng/ml
Doxylamine	4.620	1372988	20866.2	96.3	154127.8	518785	103.662 ng/ml
EDDP	5.351	319720	6149.2	230.9	1059.7	349436	100.900 ng/ml
Fentanyl	5.173	44164	1288.6	73.6	23447.1	204883	10.419 ng/ml
Fluoxetine	5.745	340924	44114.8	7.5	26767.8	115536	109.672 ng/ml
Hydrocodone	3.147	258878	3431.4	36.0	1179.6	136676	101.115 ng/ml
Hydromorphone	1.727	208111	3451.8	74.5	1951.3	60134	108.634 ng/ml
Ketamine	4.137	447465	12029.4	39.6	2532.5	189784	105.694 ng/ml
Lamotrigine	4.416	37320	1865.9	94.6	57268.9	219027	107.518 ng/ml
Lorazepam	5.780	212256	5112.4	47.1	919.1	163842	109.912 ng/ml
MDA	3.344	708482	4187.8	24.9	6220.1	219027	107.194 ng/ml
MDMA	3.425	447585	33072.7	96.2	32186.2	42194	106.766 ng/ml
Meprobamate	5.012	157044	105422.3	28.3	1743.2	56789	106.520 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	791479	669995.5	55.0	34613.7	371552	102.628 ng/ml
Methamphetamine	3.354	408907	∞	231.4	∞	407848	118.674 ng/ml
Metoprolol	4.421	79357	150168.8	93.2	3360.7	219027	101.680 ng/ml
Mirtazapine	4.697	823981	4244.4	47.0	11771.4	215061	106.430 ng/ml
Mitragynine	5.302	149386	216608.1	30.1	85134.6	215061	119.815 ng/ml
Morphine	1.316	30822	6499.7	19.6	2173.1	3916	104.243 ng/ml
Norbuprenorphine	5.104	1035	297.8	101.8	1489.1	4896	11.325 ng/ml
Nordiazepam	5.917	152900	53376.2	62.9	81344.8	50855	108.650 ng/ml
Norfentanyl	4.183	11201	893.2	292.6	168.7	408757	10.023 ng/ml
Noroxycodone	3.055	243641	5248.6	43.6	1709.8	81482	110.742 ng/ml
O-desmethyl-tramadol	3.491	876958	60645.6	6.8	2563.4	437254	104.193 ng/ml
Oxazepam	5.792	310442	3599.6	73.3	2241.7	163842	104.094 ng/ml
Oxycodone	2.973	506700	2548.9	28.7	5819.8	198765	105.069 ng/ml
Oxymorphone	1.499	253744	7498.5	44.4	9991.4	95100	105.917 ng/ml
Phentermine	3.898	183635	3557.6	7.6	373.5	215061	110.016 ng/ml
Promethazine	5.601	654540	37392.0	38.7	12619.4	301306	103.140 ng/ml
Quetiapine	5.577	302352	356751.2	58.9	15780.0	39649	107.808 ng/ml
Temazepam	5.844	528547	1583.4	30.0	1144.4	238433	103.743 ng/ml
Tramadol	4.344	1078886	815.5	3.5	366.0	510355	106.993 ng/ml
Trazodone	5.152	566321	8712.0	73.8	39881.9	254463	107.514 ng/ml
Venlafaxine	5.149	665208	57370.6	43.8	1511.8	469916	106.645 ng/ml
Zolpidem	4.916	1121637	7271.2	30.4	1223.7	470979	103.677 ng/ml

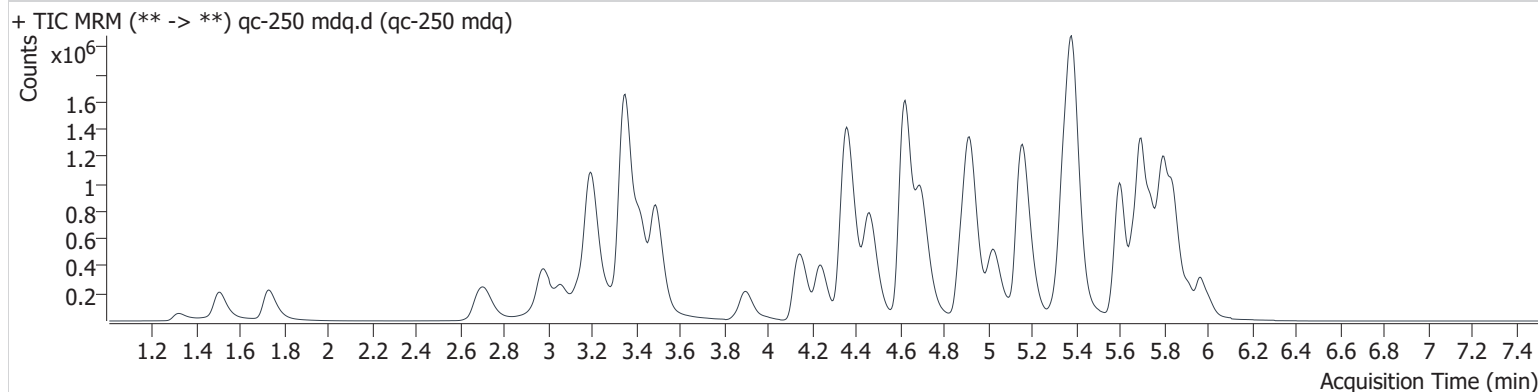


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 6:49:12 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	26581	779.3	75.7	33039.3	25645	25.286 ng/ml
7-aminoclonazepam	4.359	513590	3140.3	91.4	9721.1	82555	256.220 ng/ml
a-hydroxyalprazolam	5.733	91110	2515.2	62.3	701.2	19566	248.590 ng/ml
alpha-PHP	5.026	1137196	113030.1	39.1	4986.7	212875	249.591 ng/ml
alpha-PVP	4.464	1707614	20990.0	53.0	7887.3	282145	249.656 ng/ml
Alprazolam	5.802	605480	1219.4	113.3	8918.3	88125	260.747 ng/ml
Amphetamine	3.197	3196641	11105.9	47.0	34039.4	189593	249.731 ng/ml
Benzoylecgonine	3.991	34008	568.9	8.2	476.4	5027	256.104 ng/ml
Buprenorphine	5.696	16430	1854.5	15.8	4497.3	25816	25.025 ng/ml
Bupropion	4.883	1581451	353404.5	65.4	5661.6	212875	254.262 ng/ml
Carisoprodol	5.757	400552	42281.0	69.0	3886.2	80528	243.790 ng/ml
Citalopram	5.328	949625	1988.4	40.7	9584.6	164207	249.536 ng/ml
Clonazepam	5.661	548614	74138.1	32.5	28065.9	37706	243.634 ng/ml
Cocaine	4.363	1285481	93508.0	46.9	2801.5	368479	255.036 ng/ml
Codeine	2.720	144114	165.8	114.9	1120.8	31484	245.110 ng/ml
Cyclobenzaprine	5.669	1099666	2201199.2	8.2	149900.3	146364	242.999 ng/ml
Dextromethorphan	5.362	759455	351.0	77.1	209326.9	144526	255.967 ng/ml
Dextrorphan	4.237	421868	426458.2	221.7	37456.8	211008	244.976 ng/ml
Diazepam	5.968	443554	11796.5	88.2	1079.6	83986	252.486 ng/ml
Dihydrocodeine	2.684	429580	10825.8	59.9	7948.1	92486	251.397 ng/ml
Diphenhydramine	5.389	3218029	73152.1	30.3	67332.7	684953	244.685 ng/ml
Doxylamine	4.620	3520520	3419.0	96.8	205494.2	557436	247.377 ng/ml
EDDP	5.351	835871	12723.8	220.1	4509.4	375869	245.433 ng/ml
Fentanyl	5.173	111451	3489.5	74.2	15340.8	212707	25.547 ng/ml
Fluoxetine	5.740	809491	847585.8	7.7	67150.9	118576	255.724 ng/ml
Hydrocodone	3.142	656495	2379.9	34.7	1404.3	146011	239.938 ng/ml
Hydromorphone	1.727	560902	19528.8	65.7	10195.5	64037	275.233 ng/ml
Ketamine	4.137	1136569	33093.8	39.4	4652.9	205011	248.988 ng/ml
Lamotrigine	4.416	93175	2099.6	92.9	4637.7	219599	268.181 ng/ml
Lorazepam	5.780	486244	3819.6	48.0	1906.2	163527	253.731 ng/ml
MDA	3.344	1743428	12409.4	25.2	878.3	219599	263.494 ng/ml
MDMA	3.425	1126562	183002.5	95.6	69945.3	44132	257.455 ng/ml
Meprobamate	5.012	380216	56416.1	28.5	6712.2	59751	245.673 ng/ml

# AM #28 Multi-Drug Quant. Results

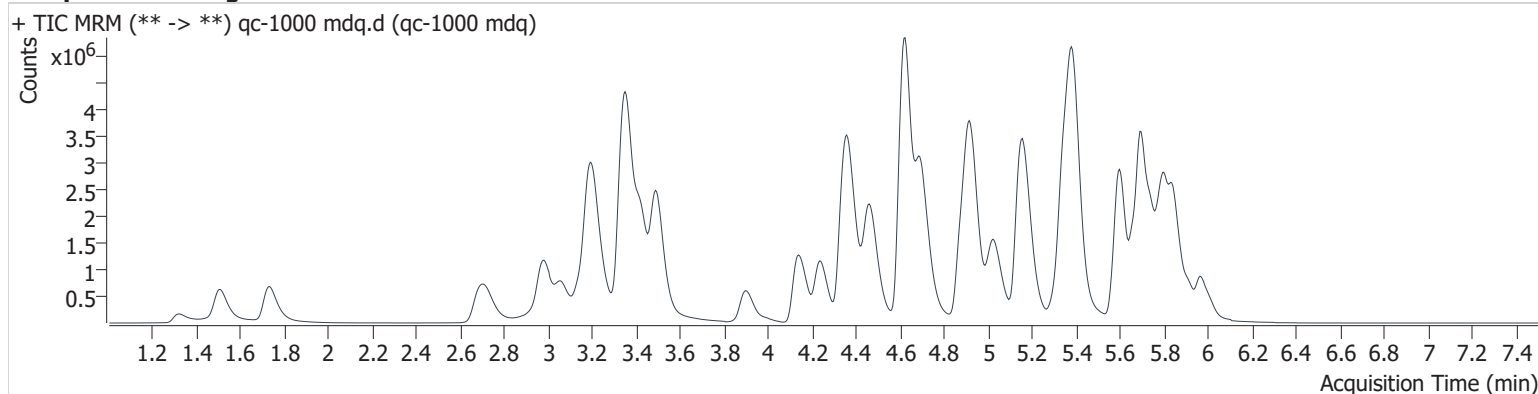
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	2013933	127997.9	53.6	61884.7	396554	245.132 ng/ml
Methamphetamine	3.354	959845	$\infty$	238.7	$\infty$	436184	276.250 ng/ml
Metoprolol	4.415	193162	400186.8	95.5	35373.2	219599	247.510 ng/ml
Mirtazapine	4.697	2076236	12126.7	47.3	21949.4	230712	249.833 ng/ml
Mitragynine	5.302	373769	521036.3	32.1	210570.2	230712	279.867 ng/ml
Morphine	1.321	82752	11198.9	19.9	1029.2	4148	264.224 ng/ml
Norbuprenorphine	5.104	2487	3630.1	103.3	7500.5	5265	25.050 ng/ml
Nordiazepam	5.917	374329	1835.4	63.2	6795.8	51674	262.027 ng/ml
Norfentanyl	4.183	28975	163.6	290.3	2580.8	427604	24.866 ng/ml
Noroxycodone	3.055	620400	6848.9	45.2	88026.3	88520	259.704 ng/ml
O-desmethyl-tramadol	3.491	2260898	2924.1	6.9	1073.3	468614	250.696 ng/ml
Oxazepam	5.787	736200	9402.3	72.7	4874.0	163527	247.507 ng/ml
Oxycodone	2.973	1315069	4427.5	29.0	7061.6	214025	253.260 ng/ml
Oxymorphone	1.499	662506	22360.2	44.0	6652.6	104270	252.639 ng/ml
Phentermine	3.903	475856	7815.8	7.7	531.2	230712	265.852 ng/ml
Promethazine	5.601	1702821	38745.2	38.6	6378.5	326470	247.398 ng/ml
Quetiapine	5.577	766244	949251.5	58.8	827509.3	40501	268.252 ng/ml
Temazepam	5.844	1329547	2056.2	30.1	4719.7	247389	251.339 ng/ml
Tramadol	4.344	2711389	378635.6	3.5	940.2	551991	249.185 ng/ml
Trazodone	5.157	1394752	5897.4	75.0	7423.7	267676	252.445 ng/ml
Venlafaxine	5.149	1727234	813.7	42.6	11011.6	490481	264.969 ng/ml
Zolpidem	4.916	2854850	17178.8	30.6	7128.8	494909	251.158 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-1000 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-1000 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 6:58:12 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	89795	5521.3	74.9	569.7	20481	106.969 ng/ml
7-aminoclonazepam	4.364	1261414	6823.5	89.2	4012.9	54053	961.427 ng/ml
a-hydroxyalprazolam	5.733	223988	4953.2	64.7	621.6	11871	1007.534 ng/ml
alpha-PHP	5.026	3637287	41509.2	38.8	20616.5	170622	995.922 ng/ml
alpha-PVP	4.466	5381853	6585.0	53.0	27822.3	220278	1007.895 ng/ml
Alprazolam	5.802	1713248	6172.0	110.9	1043.8	60056	1081.550 ng/ml
Amphetamine	3.197	9507979	118577.5	47.0	129016.7	150884	940.278 ng/ml
Benzoylcegonine	3.991	121378	7155.6	8.4	12656.7	4676	977.630 ng/ml
Buprenorphine	5.691	43326	2428.9	15.4	15436.3	17873	95.545 ng/ml
Bupropion	4.886	4891297	5847.7	64.5	5772.1	170622	982.157 ng/ml
Carisoprodol	5.757	1128357	94894.9	65.7	9360.8	54309	1018.876 ng/ml
Citalopram	5.323	2551082	25140.3	41.5	546336.0	108520	1015.361 ng/ml
Clonazepam	5.656	1358940	2520845.1	32.5	462692.5	23809	957.431 ng/ml
Cocaine	4.363	3691357	822.4	46.4	1994.9	268105	1007.192 ng/ml
Codeine	2.720	474272	8649.3	110.6	1578.3	25322	1003.524 ng/ml
Cyclobenzaprine	5.664	3002994	102587.8	8.3	8382.0	97500	996.935 ng/ml
Dextromethorphan	5.362	1946750	173737.7	75.2	949756.2	93611	1014.670 ng/ml
Dextrorphan	4.237	1364244	404423.3	224.2	247334.3	167208	999.985 ng/ml
Diazepam	5.968	1424257	3385.4	88.0	16790.8	65571	1037.457 ng/ml
Dihydrocodeine	2.684	1391275	4105.4	60.6	5058.4	78272	962.096 ng/ml
Diphenhydramine	5.389	9578517	280266.6	30.5	2331.7	483209	1033.077 ng/ml
Doxylamine	4.620	12065763	484623.4	96.7	576751.1	461724	1023.582 ng/ml
EDDP	5.351	2572215	17290.0	233.0	656955.4	290014	979.256 ng/ml
Fentanyl	5.178	331618	8901.3	75.4	341816.8	155889	104.192 ng/ml
Fluoxetine	5.745	1953002	101530.4	7.9	284.5	75783	969.569 ng/ml
Hydrocodone	3.142	1982897	1623.5	38.2	777.6	114214	926.300 ng/ml
Hydromorphone	1.732	1834019	41419.5	72.3	12332.7	58333	988.443 ng/ml
Ketamine	4.137	3665385	25427.9	38.9	14396.8	168785	976.321 ng/ml
Lamotrigine	4.416	247212	4768.6	91.6	7128.4	149906	1043.210 ng/ml
Lorazepam	5.775	1130985	22956.6	49.5	2504.9	101767	951.401 ng/ml
MDA	3.339	4506975	1719.7	25.5	3271.6	149906	998.613 ng/ml
MDMA	3.425	3445720	260452.8	93.7	35001.3	34110	1019.944 ng/ml
Meprobamate	5.012	1138053	323334.1	27.3	8323.9	46407	948.033 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	6634547	141802.2	49.7	182174.9	303968	1054.602 ng/ml
Methamphetamine	3.349	2798657	∞	243.3	29941.6	360094	1009.109 ng/ml
Metoprolol	4.415	521540	2019.6	95.3	1172.5	149906	980.331 ng/ml
Mirtazapine	4.699	6733695	10272.4	46.5	20689.3	190054	983.266 ng/ml
Mitragynine	5.302	1142780	1284437.8	32.6	932512.3	190054	1039.592 ng/ml
Morphine	1.321	270000	9734.6	19.0	359.2	3583	997.970 ng/ml
Norbuprenorphine	5.094	7618	12579.3	112.8	16585.7	4060	98.923 ng/ml
Nordiazepam	5.917	1138104	4310.3	62.0	79859.2	40144	1026.004 ng/ml
Norfentanyl	4.183	91397	79.3	285.5	4930.2	322187	104.277 ng/ml
Noroxycodone	3.055	1910426	3453.6	44.6	1746.9	69204	1023.219 ng/ml
O-desmethyl-tramadol	3.494	7874335	4830.1	6.7	16903.6	391865	1044.253 ng/ml
Oxazepam	5.787	1908040	83391.6	71.0	751.1	101767	1031.180 ng/ml
Oxycodone	2.973	4464524	14377.9	28.7	9990.1	185505	992.001 ng/ml
Oxymorphone	1.504	2221707	4909.5	43.9	3482.7	91502	966.301 ng/ml
Phentermine	3.898	1585261	3321.0	7.0	1724.8	190054	1075.347 ng/ml
Promethazine	5.601	5559321	187091.3	36.6	49503.9	253262	1040.614 ng/ml
Quetiapine	5.572	2302597	2564704.0	59.5	2268208.2	33293	982.050 ng/ml
Temazepam	5.849	4086493	312564.0	29.9	13820.0	187837	1017.053 ng/ml
Tramadol	4.339	8408958	685241.4	3.4	1886.0	462551	923.425 ng/ml
Trazodone	5.157	4074822	10814.8	74.8	712539.5	203148	973.341 ng/ml
Venlafaxine	5.150	5762584	501330.0	40.9	63911.6	366819	1181.276 ng/ml
Zolpidem	4.916	9200127	33932.0	29.8	18974.0	383812	1043.749 ng/ml

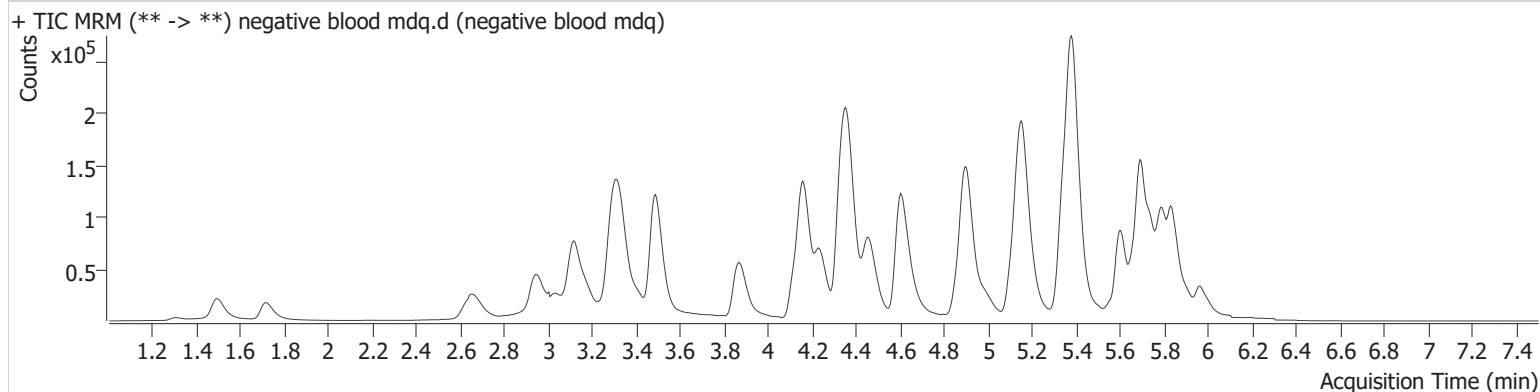
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# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood mdq.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 7:25:03 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



OA

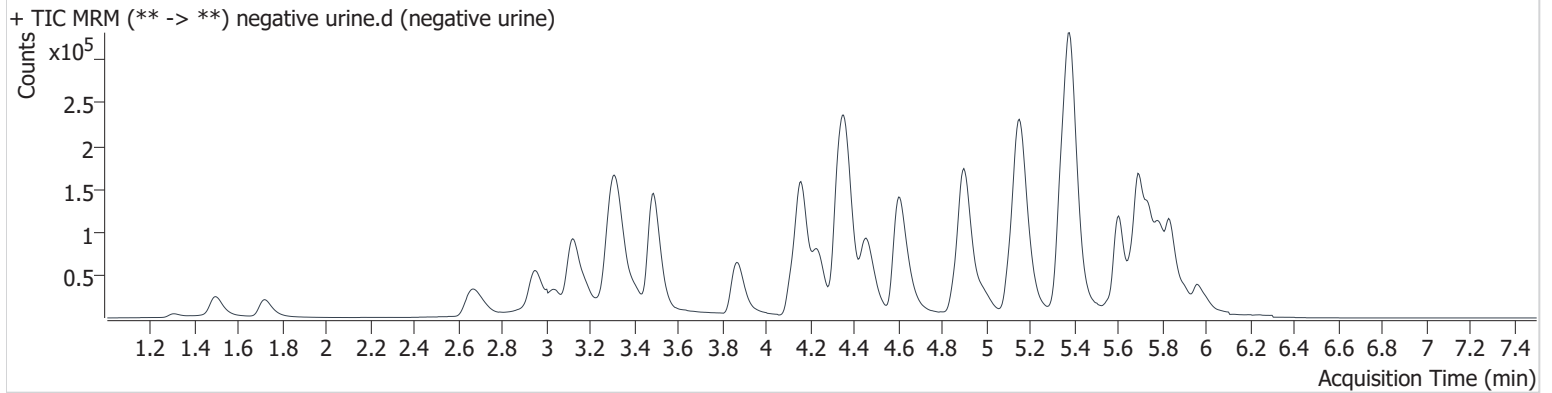
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative urine.d
<b>Type</b>	Sample	<b>Sample</b>	negative urine
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 9:40:05 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Codeine	2.725	3881	590.1	108.0	4159.2	38573	5.203 ng/ml < 32

GA

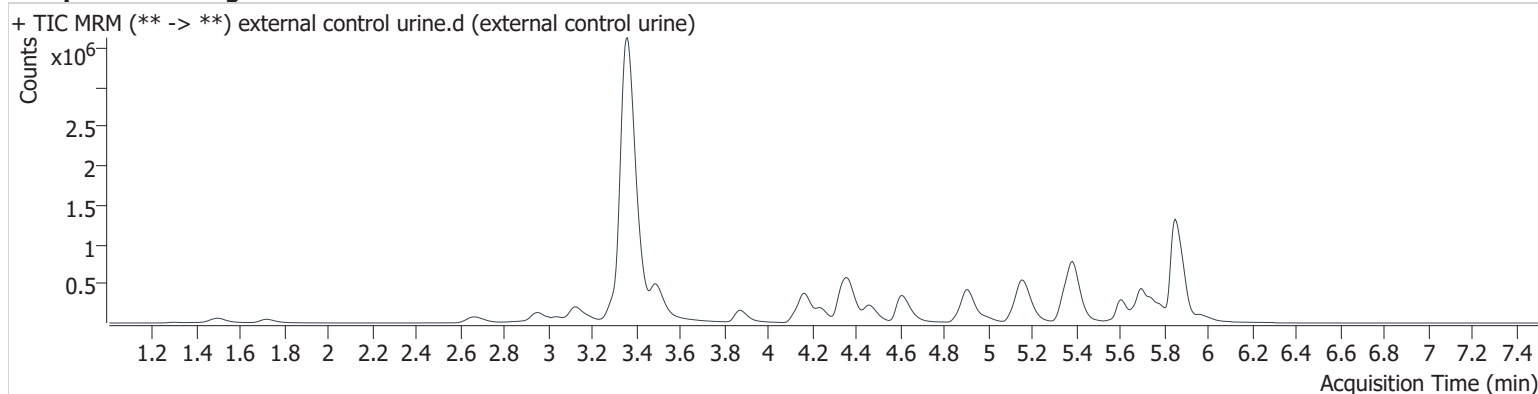
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	external control urine.d
<b>Type</b>	Sample	<b>Sample</b>	external control urine
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D8	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	1/13/2021 9:49:05 PM		

**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.360	3501759	∞	247.5	∞	1158673	384.330 ng/ml
Temazepam	5.849	3590506	36232.2	29.8	2163.6	477991	351.246 ng/ml

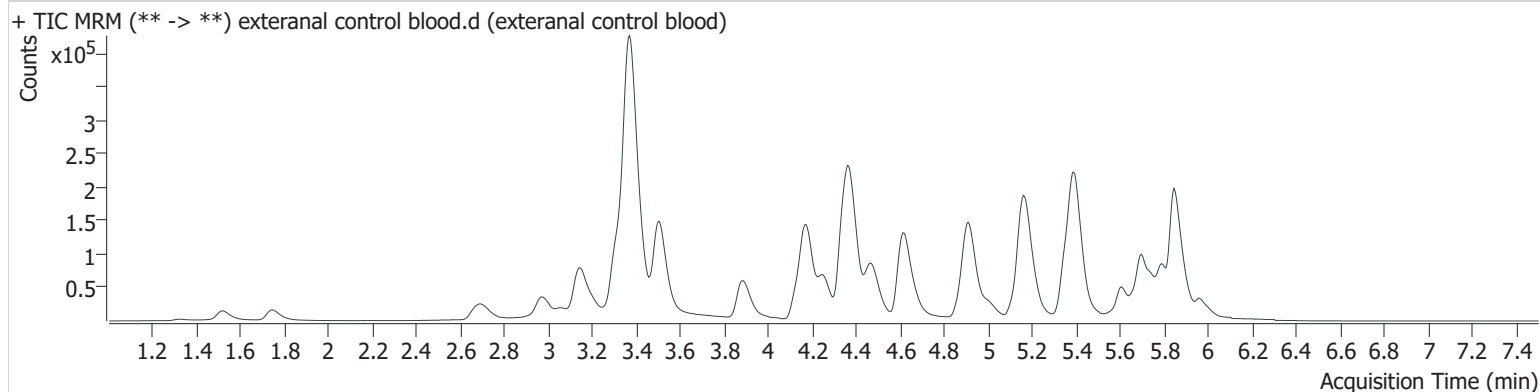
A

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	external control blood.d
<b>Type</b>	Sample	<b>Sample</b>	external control blood
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/14/2021 8:44:49 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.375	323341	∞	261.3	∞	483040	74.844 ng/ml
Temazepam	5.849	357494	4466.3	27.6	563.2	213774	78.294 ng/ml

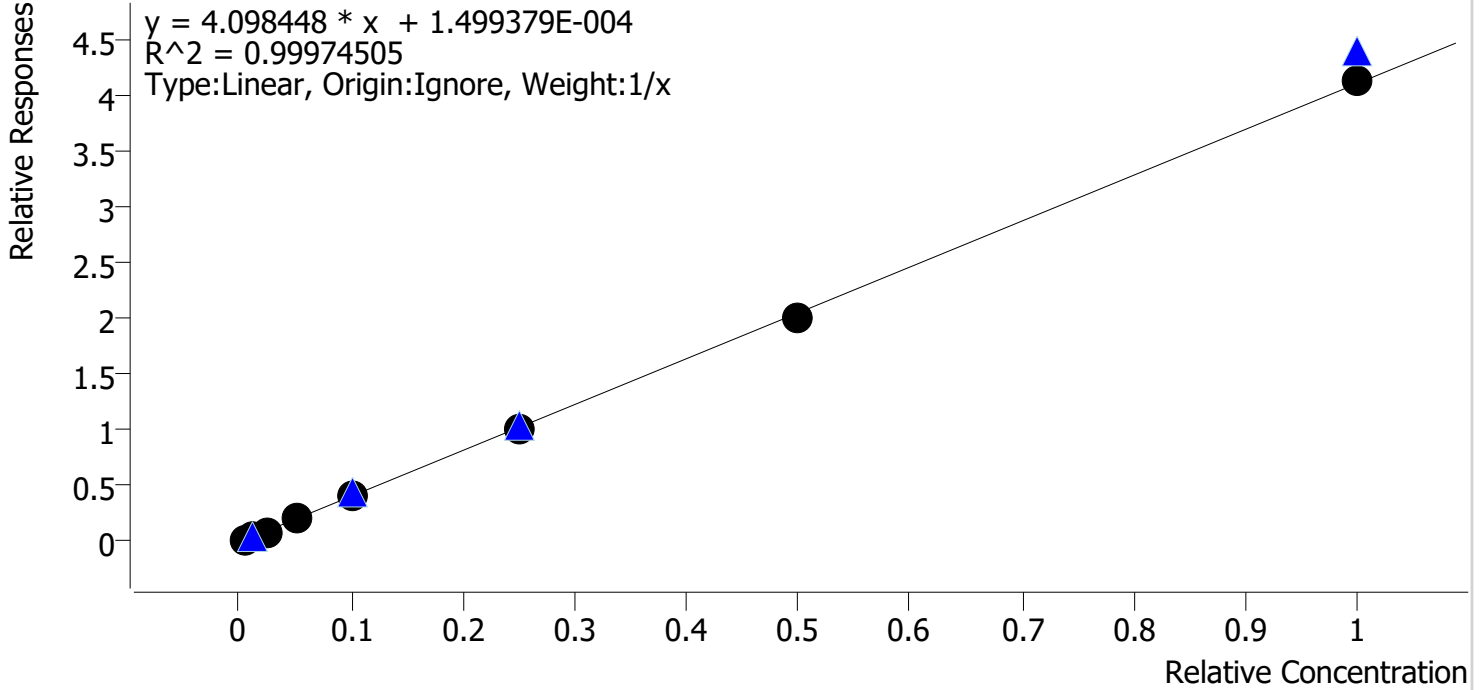


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 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



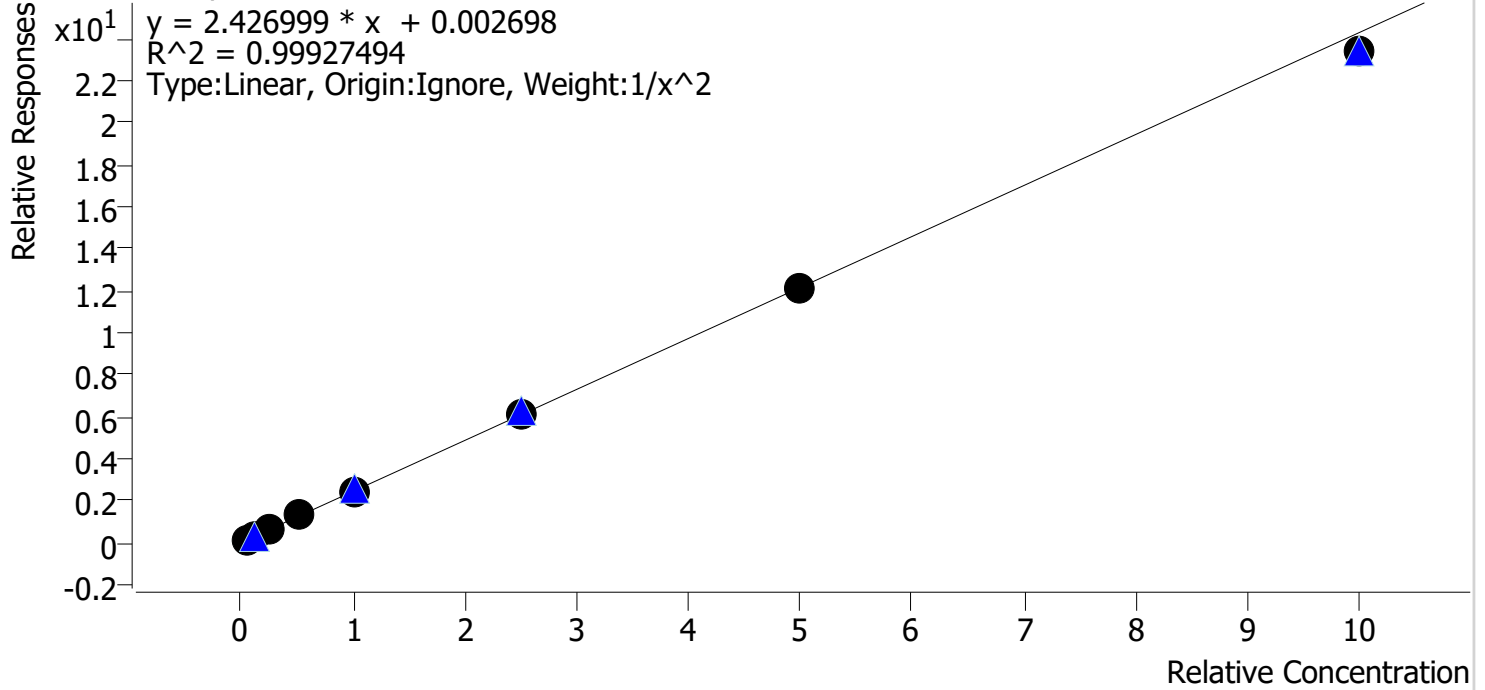
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.8
cal 2 mdq	2	✓	1.0	1.0	96.4
cal 3 mdq	3	✓	2.5	2.4	94.4
cal 4 mdq	4	✓	5.0	5.1	102.8
cal 5 mdq	5	✓	10.0	10.3	102.8
cal 6 mdq	6	✓	25.0	25.0	100.0
cal 7 mdq	7	✓	50.0	49.0	98.1
cal 8 mdq	8	✓	100.0	100.7	100.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 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

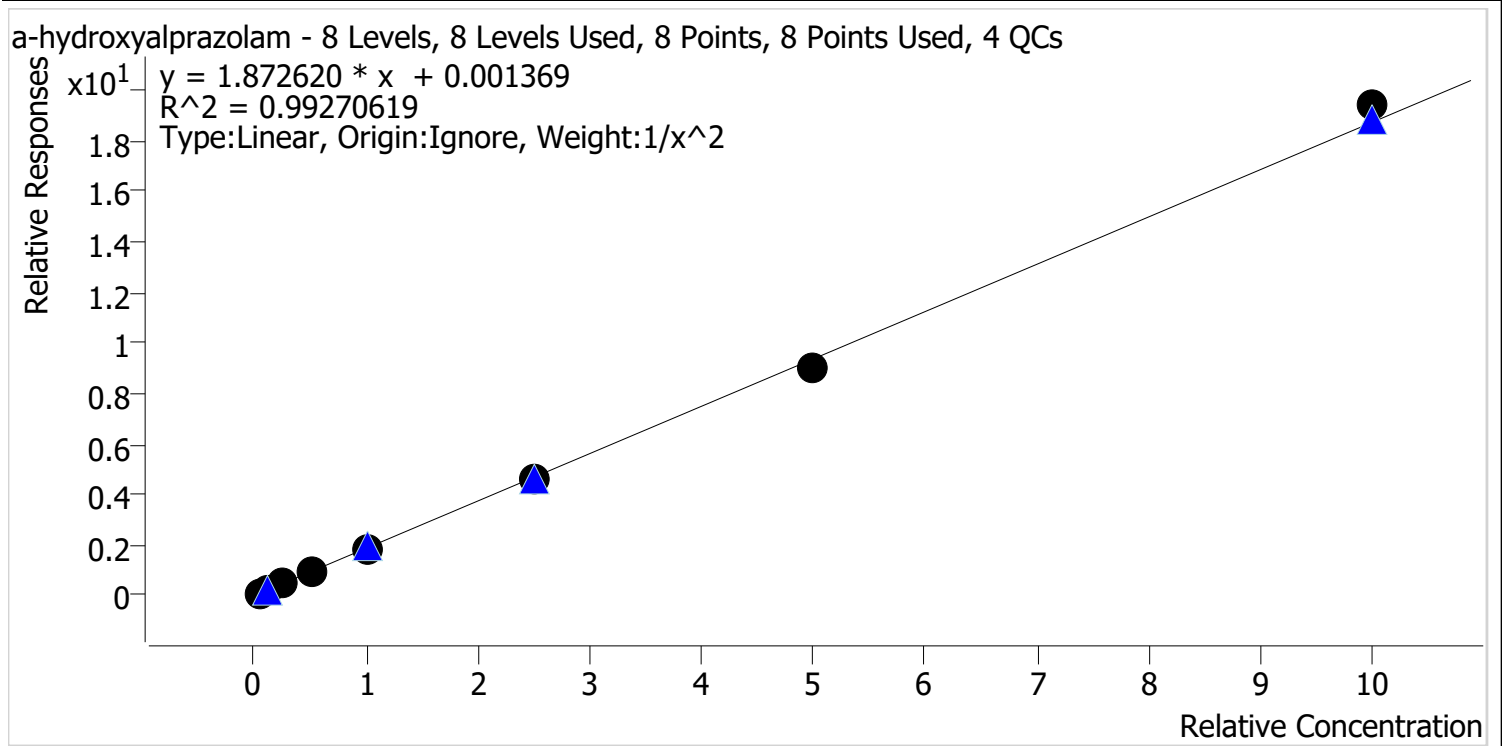


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	25.6	102.2
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	253.1	101.2
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	962.7	96.3

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	a-hydroxyalprazolam	<b>Internal Standard</b>	a-hydroxyalprazolam-D5

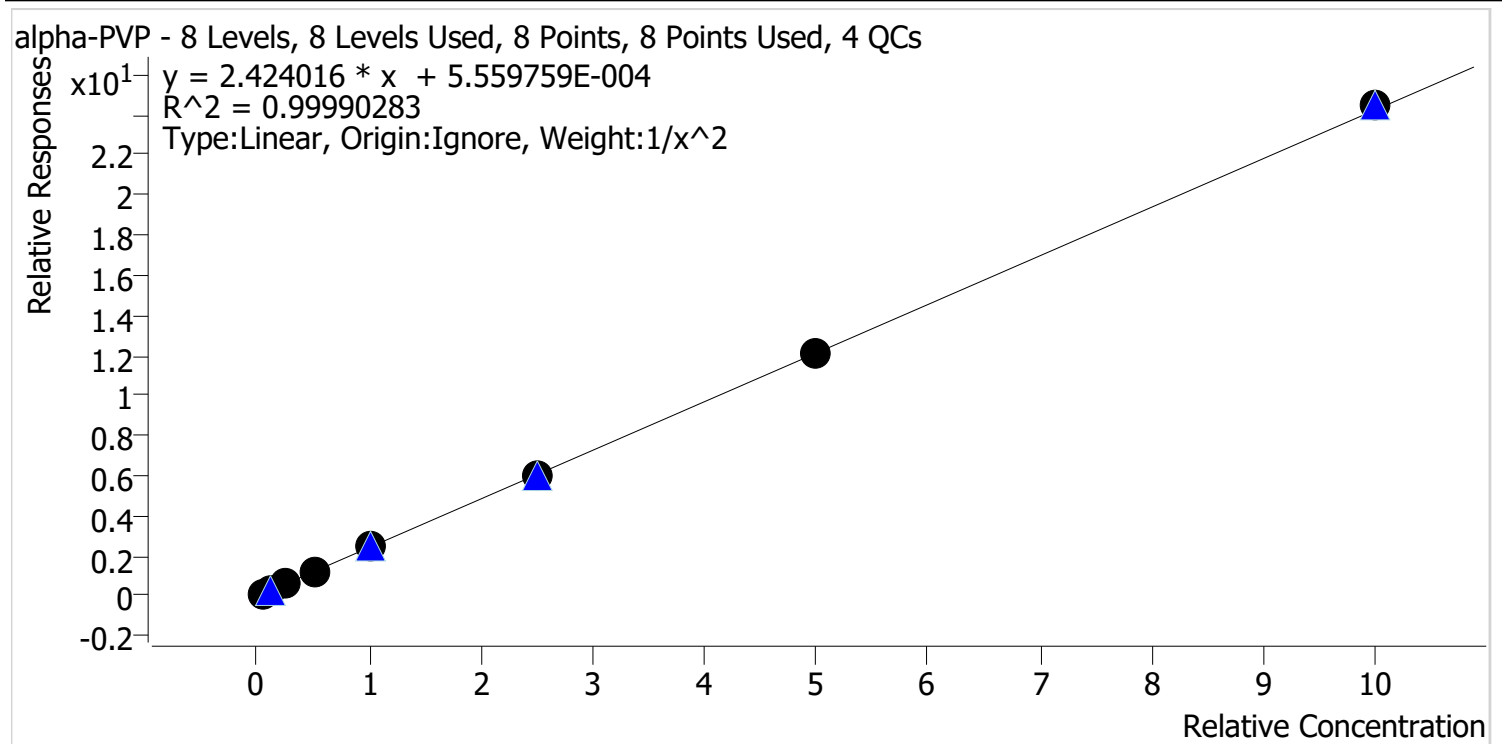


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.3
cal 2 mdq	2	✓	10.0	11.6	116.1
cal 3 mdq	3	✓	25.0	23.4	93.4
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	244.7	97.9
cal 7 mdq	7	✓	500.0	478.2	95.6
cal 8 mdq	8	✓	1000.0	1036.0	103.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



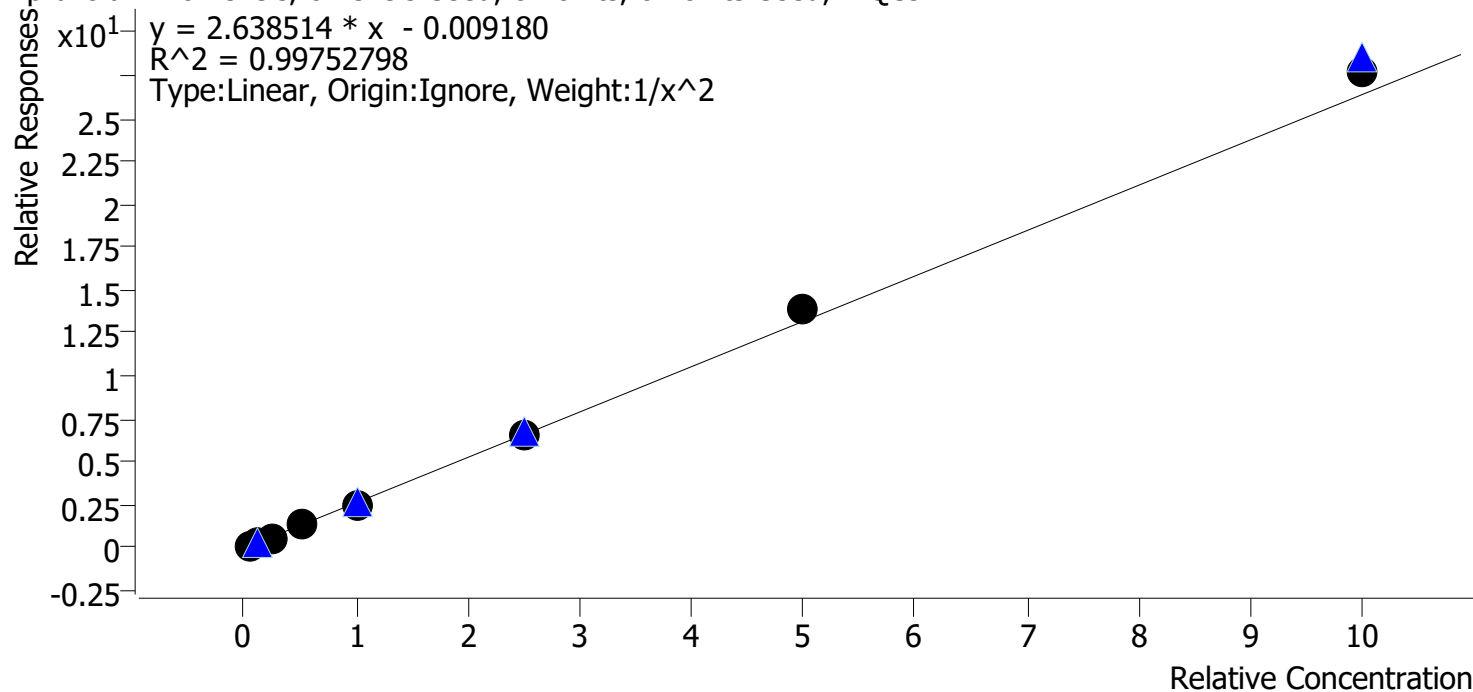
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	495.8	99.2
cal 8 mdq	8	✓	1000.0	1009.0	100.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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

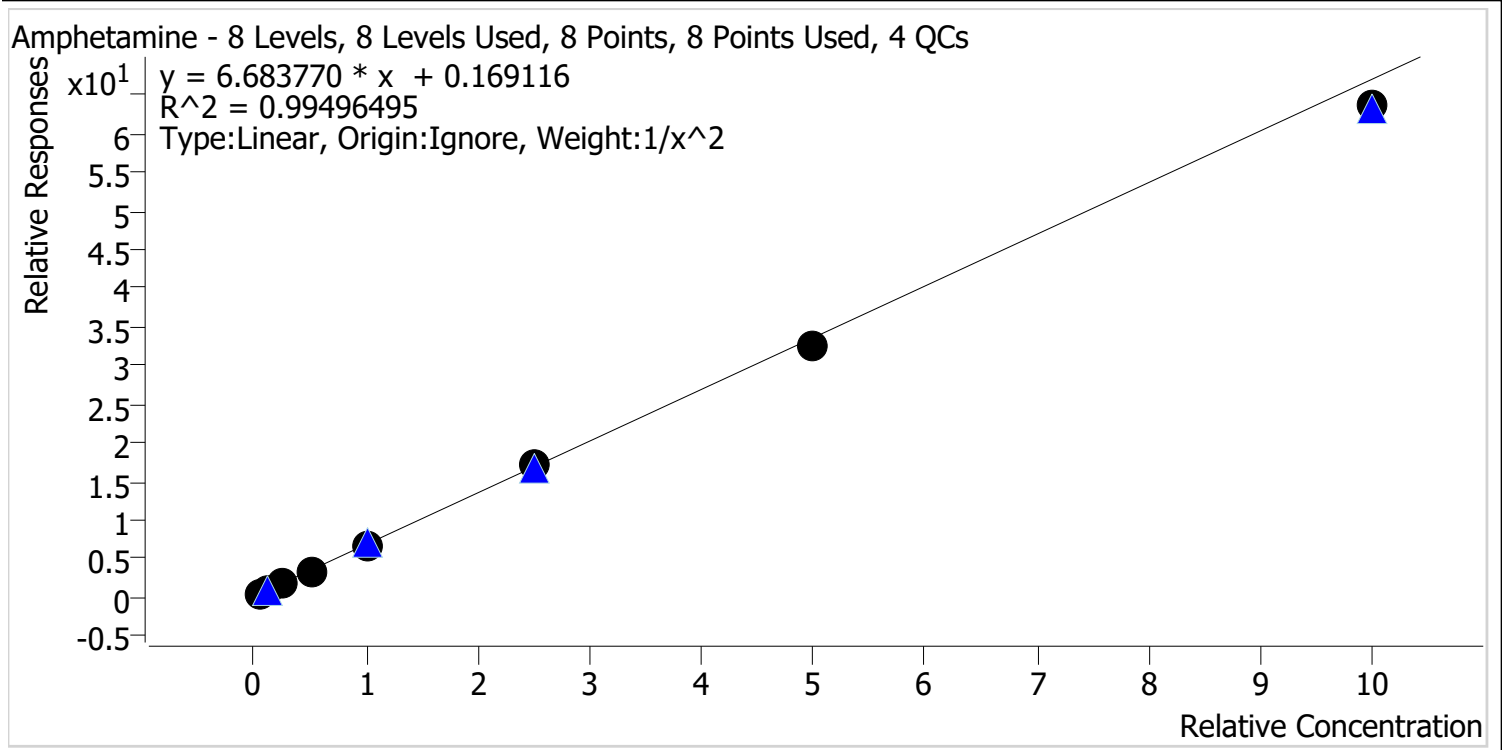


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	23.7	94.8
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	93.6	93.6
cal 6 mdq	6	✓	250.0	252.6	101.1
cal 7 mdq	7	✓	500.0	527.6	105.5
cal 8 mdq	8	✓	1000.0	1046.9	104.7

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Amphetamine	<b>Internal Standard</b>	Amphetamine-D11



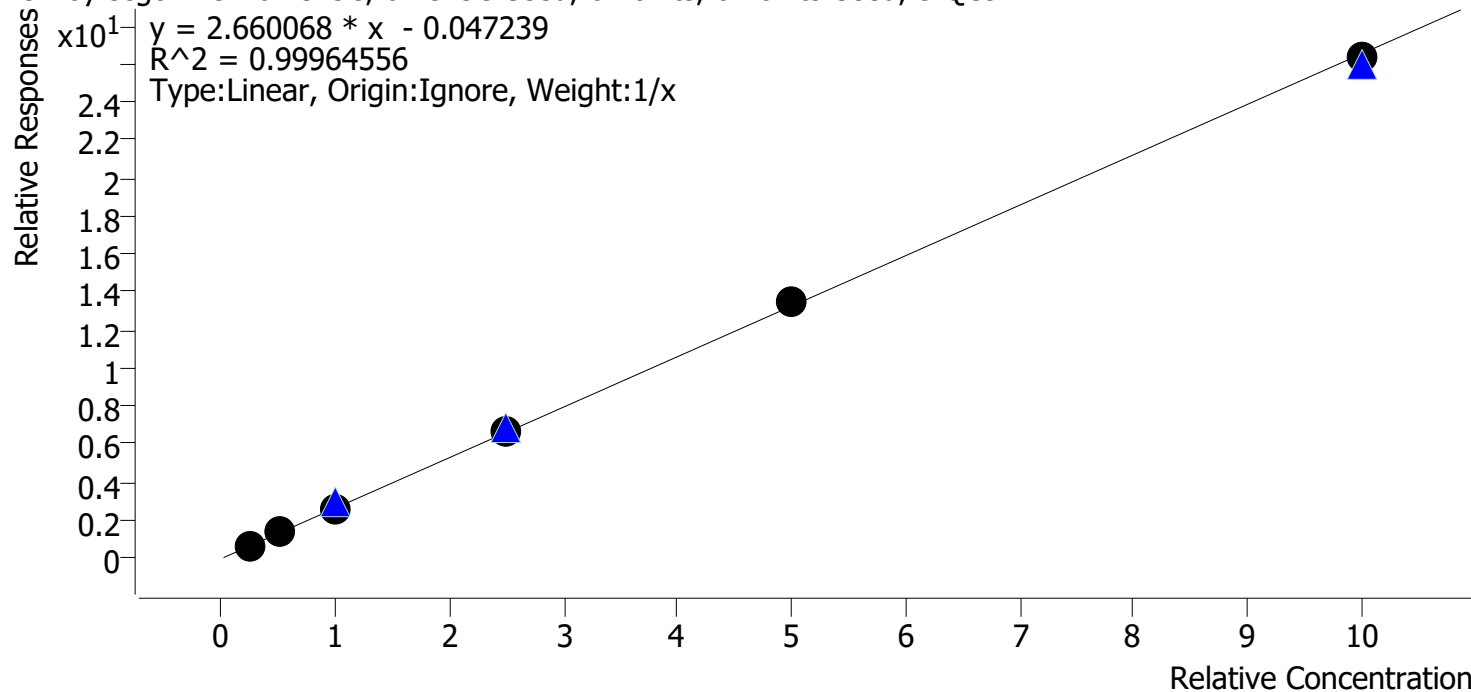
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.6
cal 2 mdq	2	✓	10.0	10.7	107.1
cal 3 mdq	3	✓	25.0	27.9	111.6
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	486.4	97.3
cal 8 mdq	8	✓	1000.0	948.9	94.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



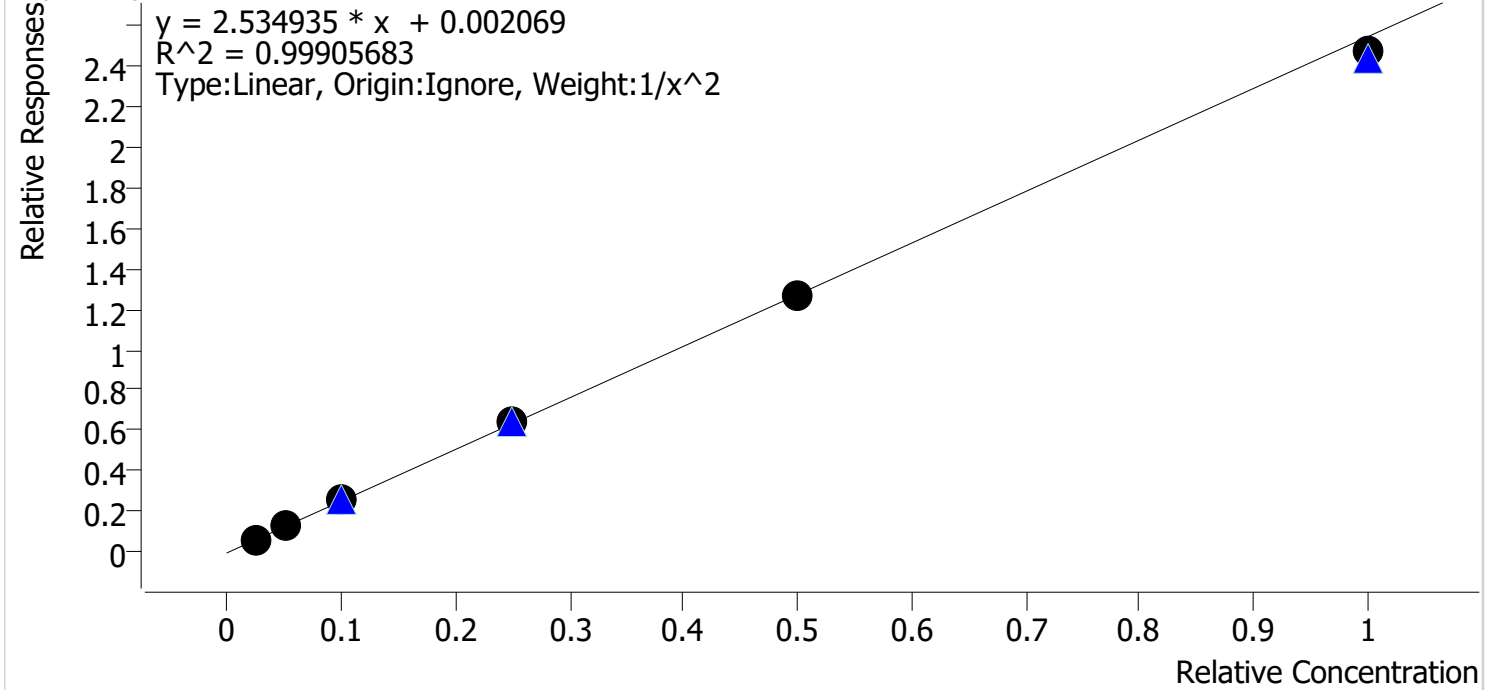
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	95.1	95.1
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	509.1	101.8
cal 8 mdq	8	✓	1000.0	992.0	99.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



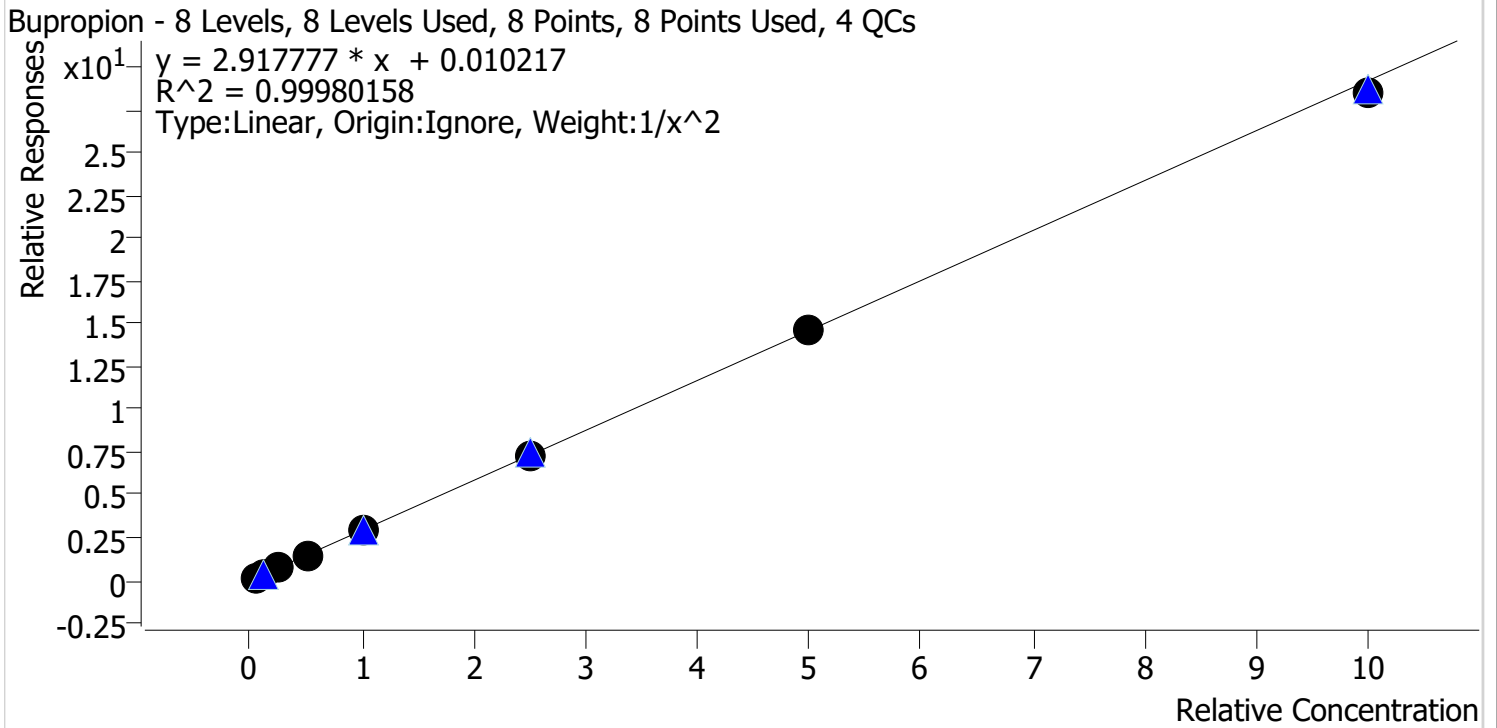
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 3 mdq	3	✓	2.5	2.5	100.0
cal 4 mdq	4	✓	5.0	4.9	97.9
cal 5 mdq	5	✓	10.0	10.4	103.9
cal 6 mdq	6	✓	25.0	25.4	101.6
cal 7 mdq	7	✓	50.0	49.8	99.6
cal 8 mdq	8	✓	100.0	97.1	97.1



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



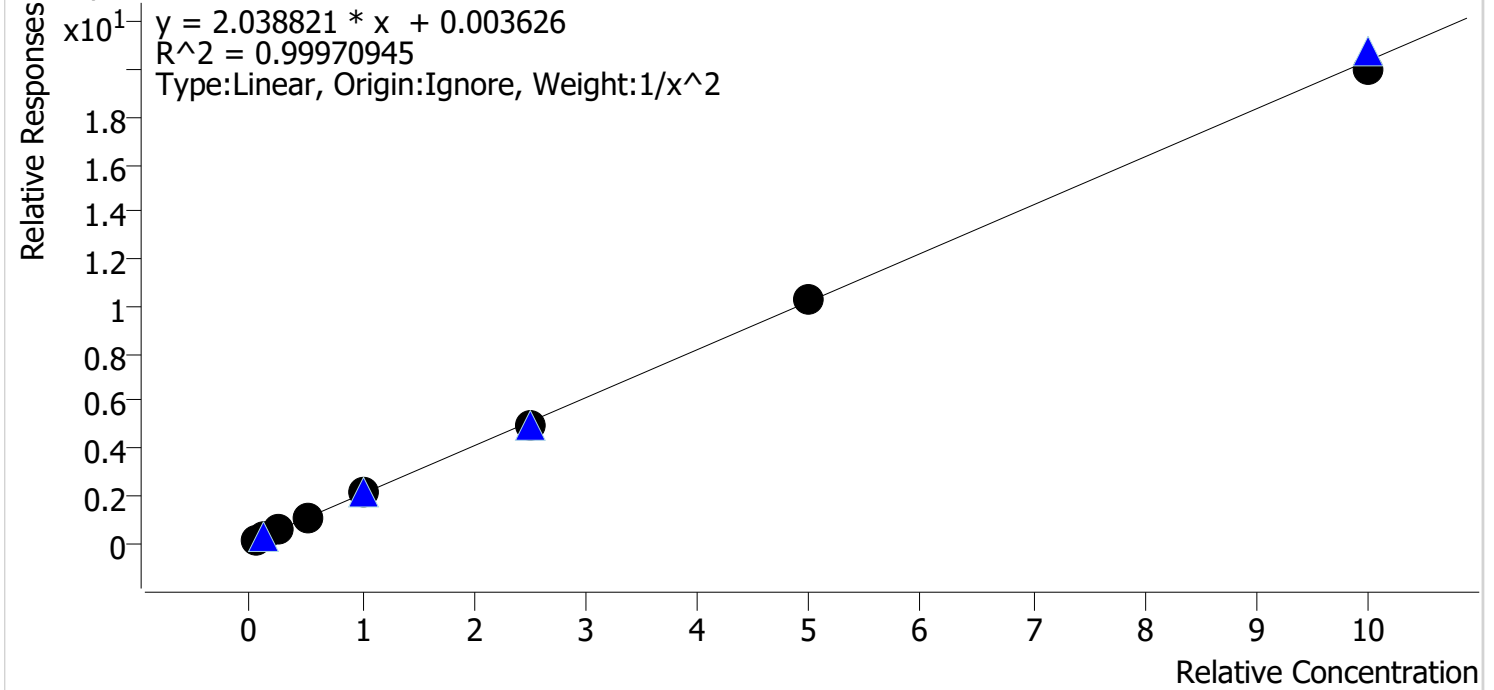
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.2	101.0
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	976.1	97.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



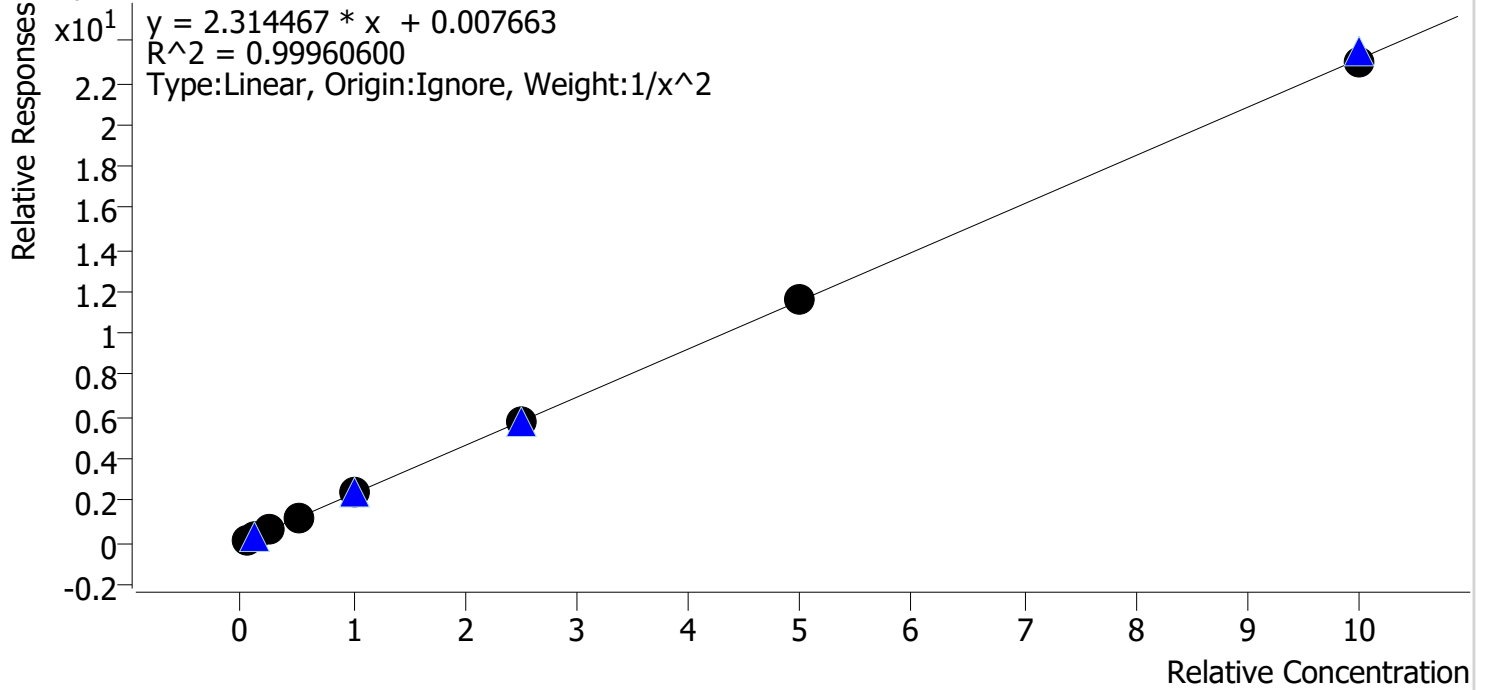
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	985.5	98.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



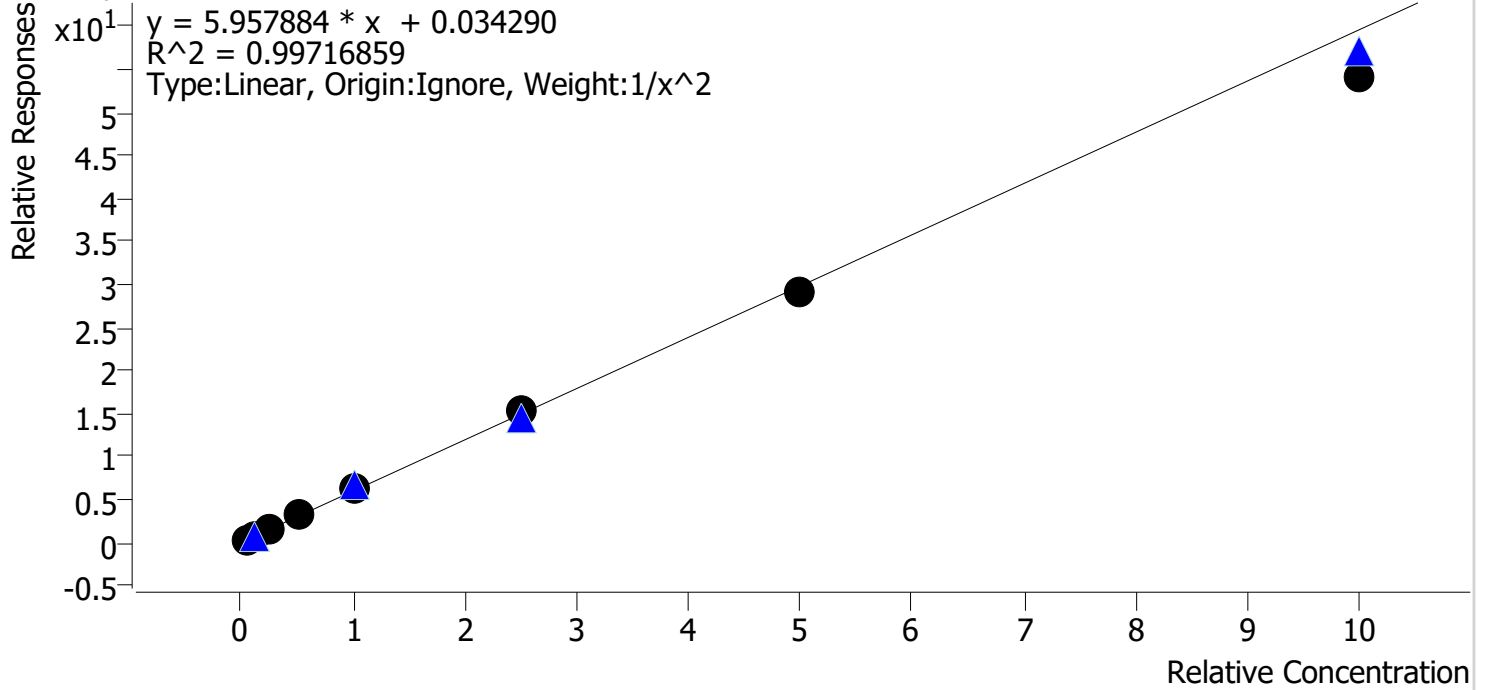
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	499.3	99.9
cal 8 mdq	8	✓	1000.0	997.1	99.7

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Clonazepam	<b>Internal Standard</b>	Clonazepam-D4

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



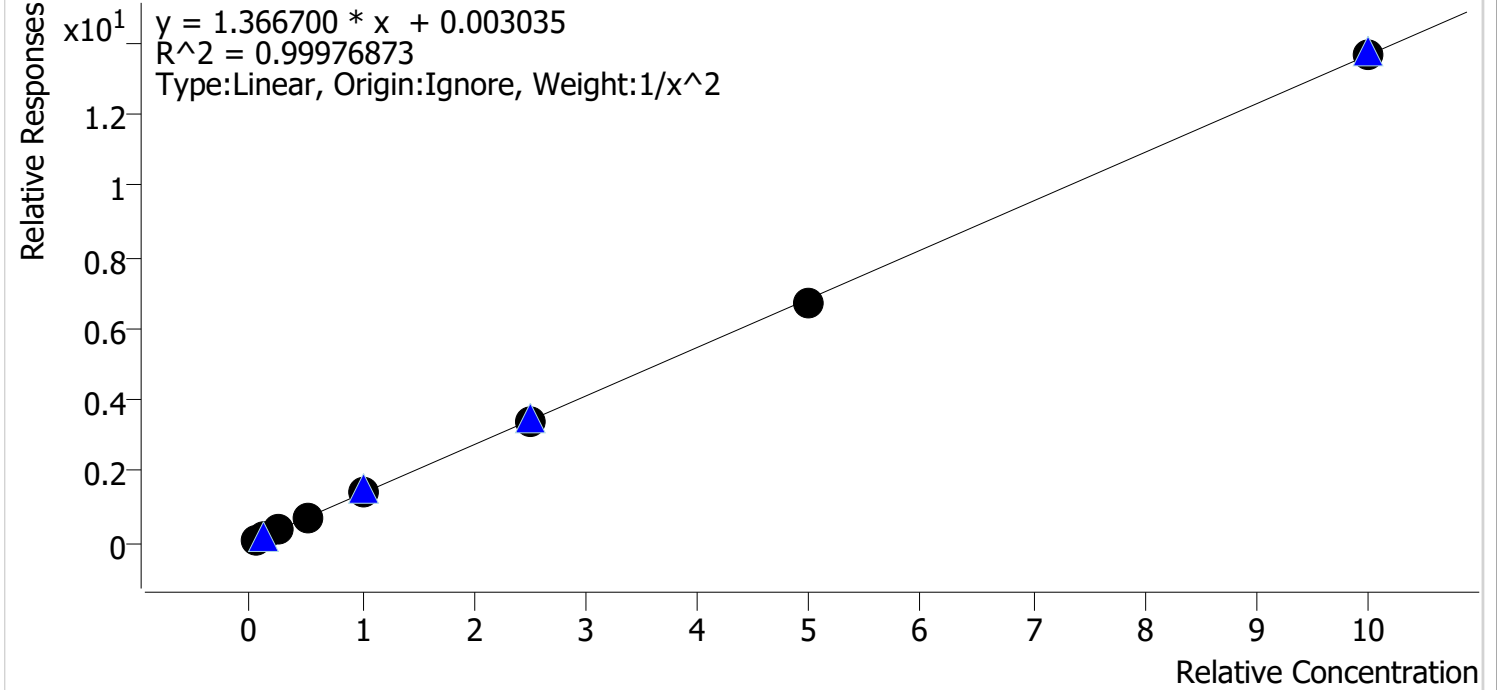
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	51.4	102.9
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	257.1	102.8
cal 7 mdq	7	✓	500.0	485.8	97.2
cal 8 mdq	8	✓	1000.0	907.7	90.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



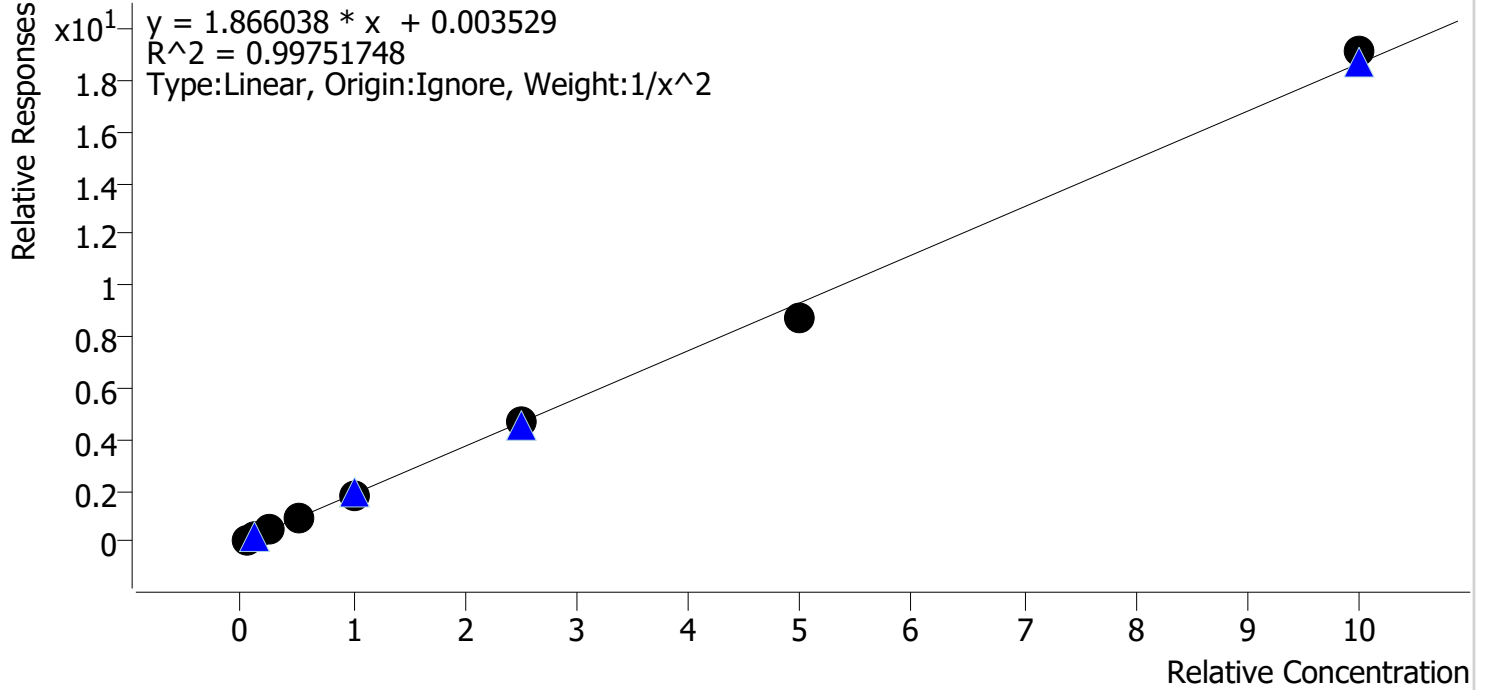
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	487.3	97.5
cal 8 mdq	8	✓	1000.0	999.8	100.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



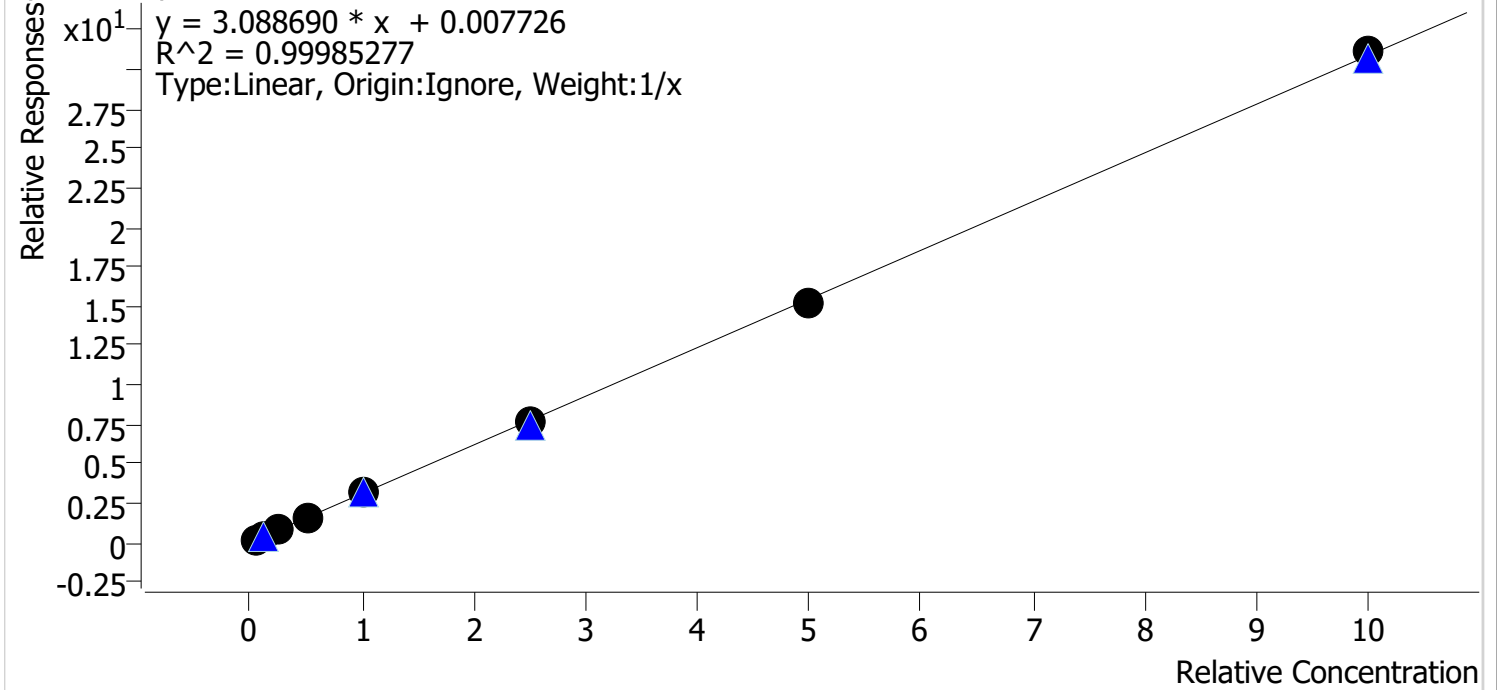
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.6	105.6
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	465.1	93.0
cal 8 mdq	8	✓	1000.0	1024.5	102.5

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Cyclobenzaprine	<b>Internal Standard</b>	Cyclobenzaprine-D3

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



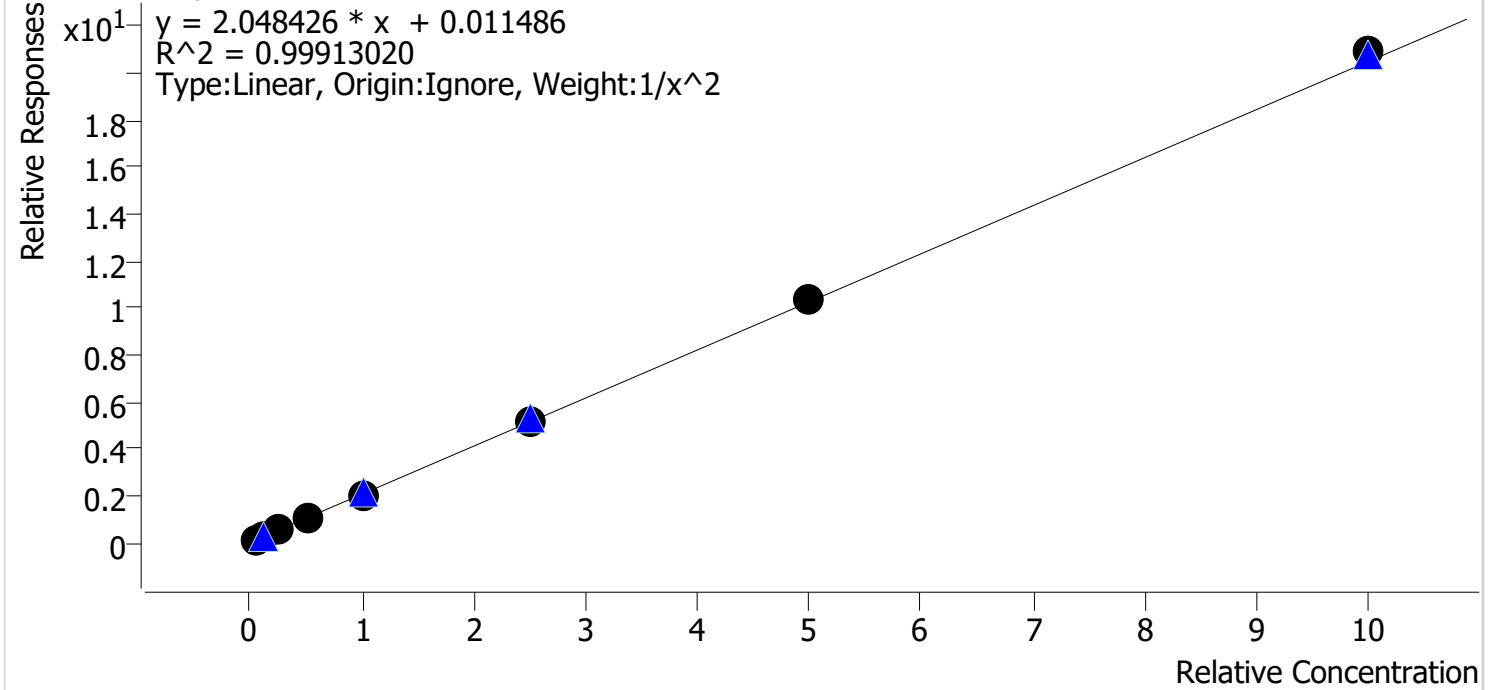
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	493.4	98.7
cal 8 mdq	8	✓	1000.0	1008.2	100.8

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Dextromethorphan	<b>Internal Standard</b>	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	5.0	100.5
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.0	95.9
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	507.2	101.4
cal 8 mdq	8	✓	1000.0	1020.7	102.1

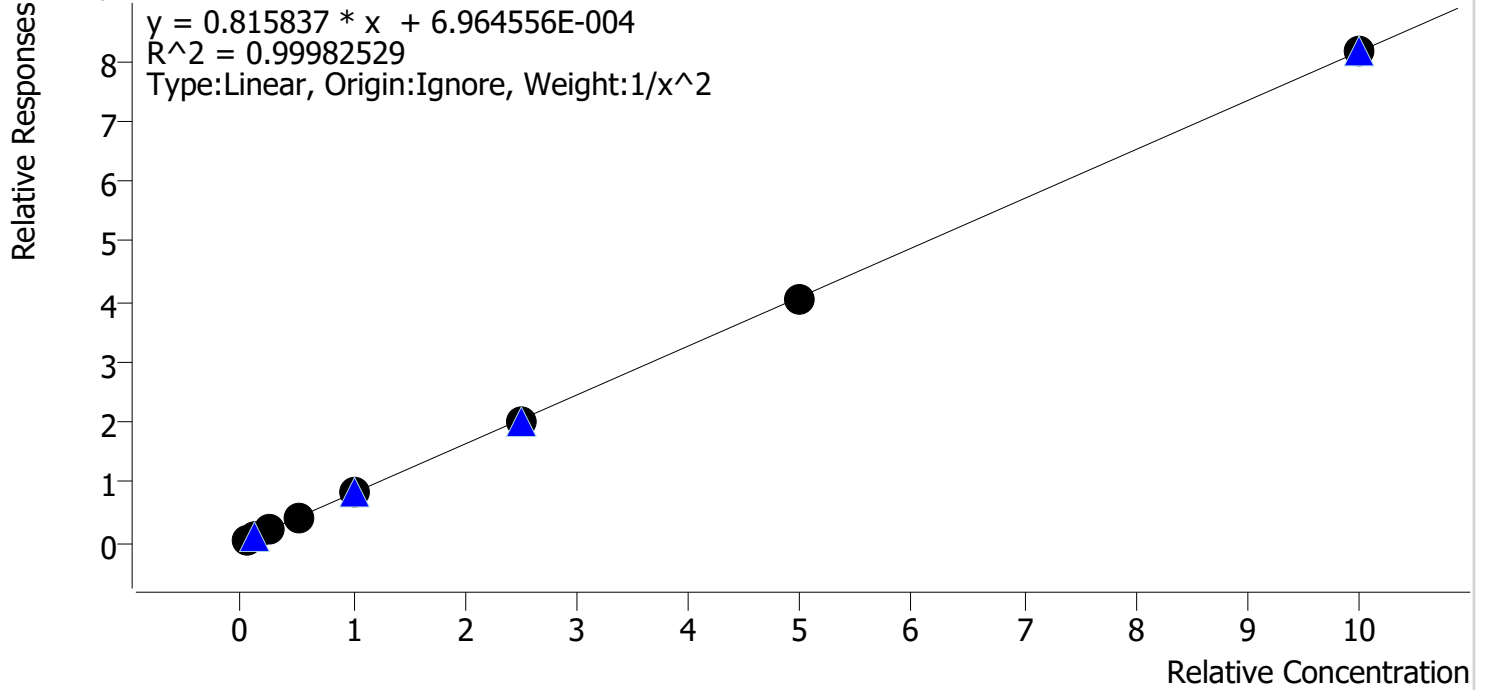


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



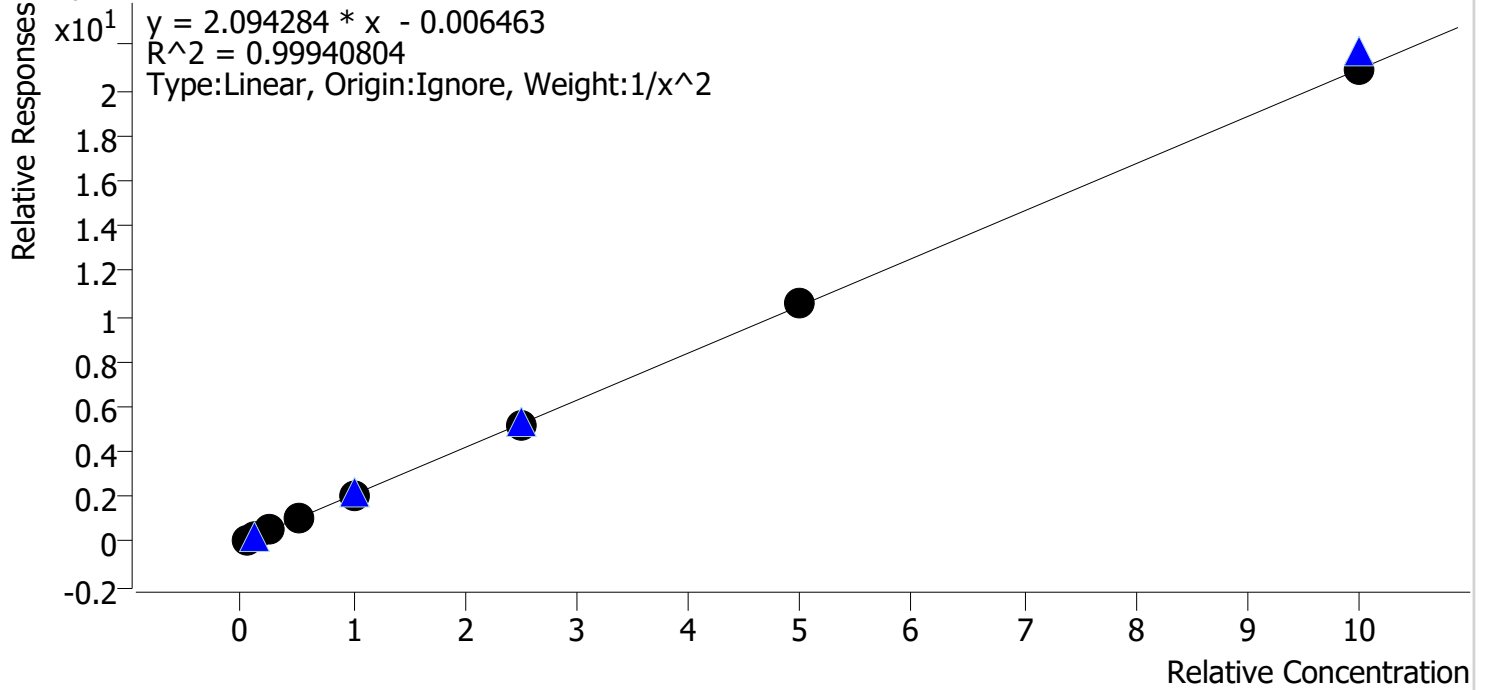
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	51.1	102.1
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	495.8	99.2
cal 8 mdq	8	✓	1000.0	999.4	99.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



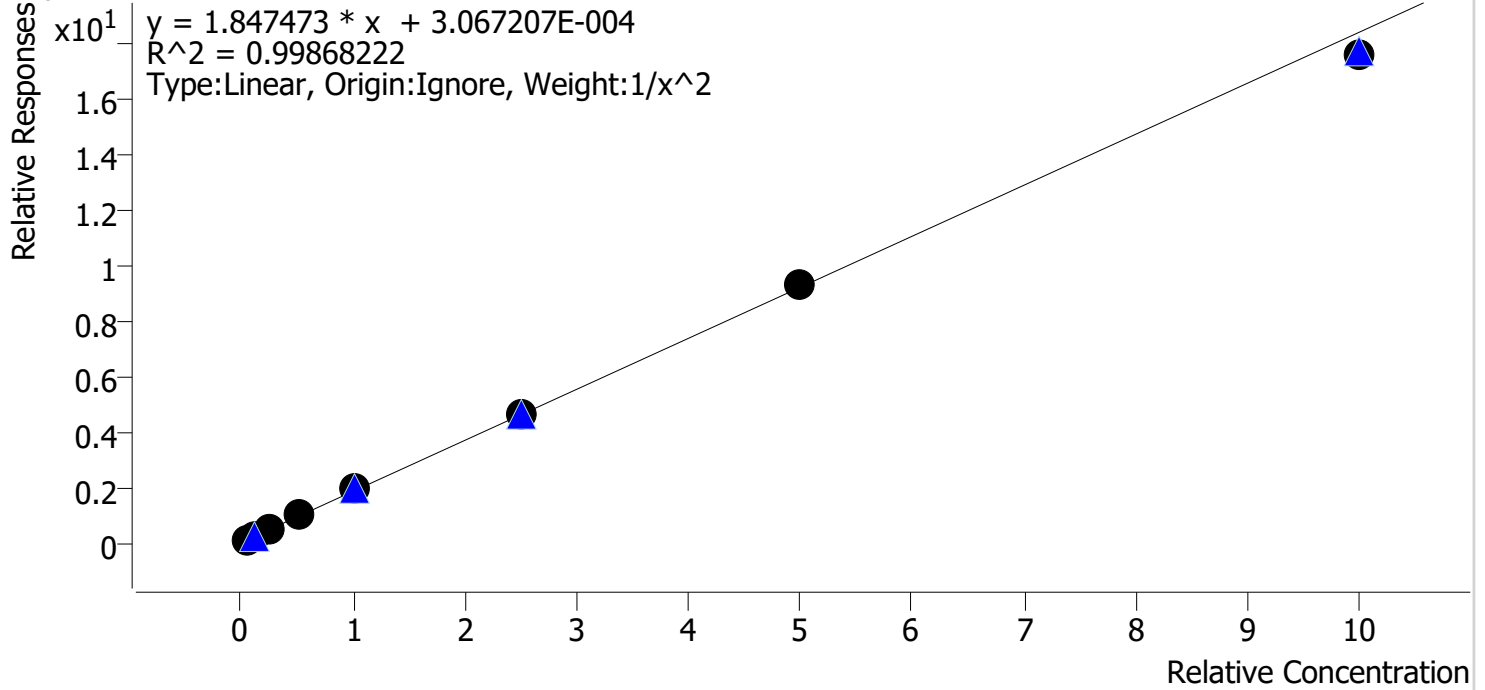
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	504.2	100.8
cal 8 mdq	8	✓	1000.0	1000.9	100.1

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Dihydrocodeine	<b>Internal Standard</b>	Dihydrocodeine-D6

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

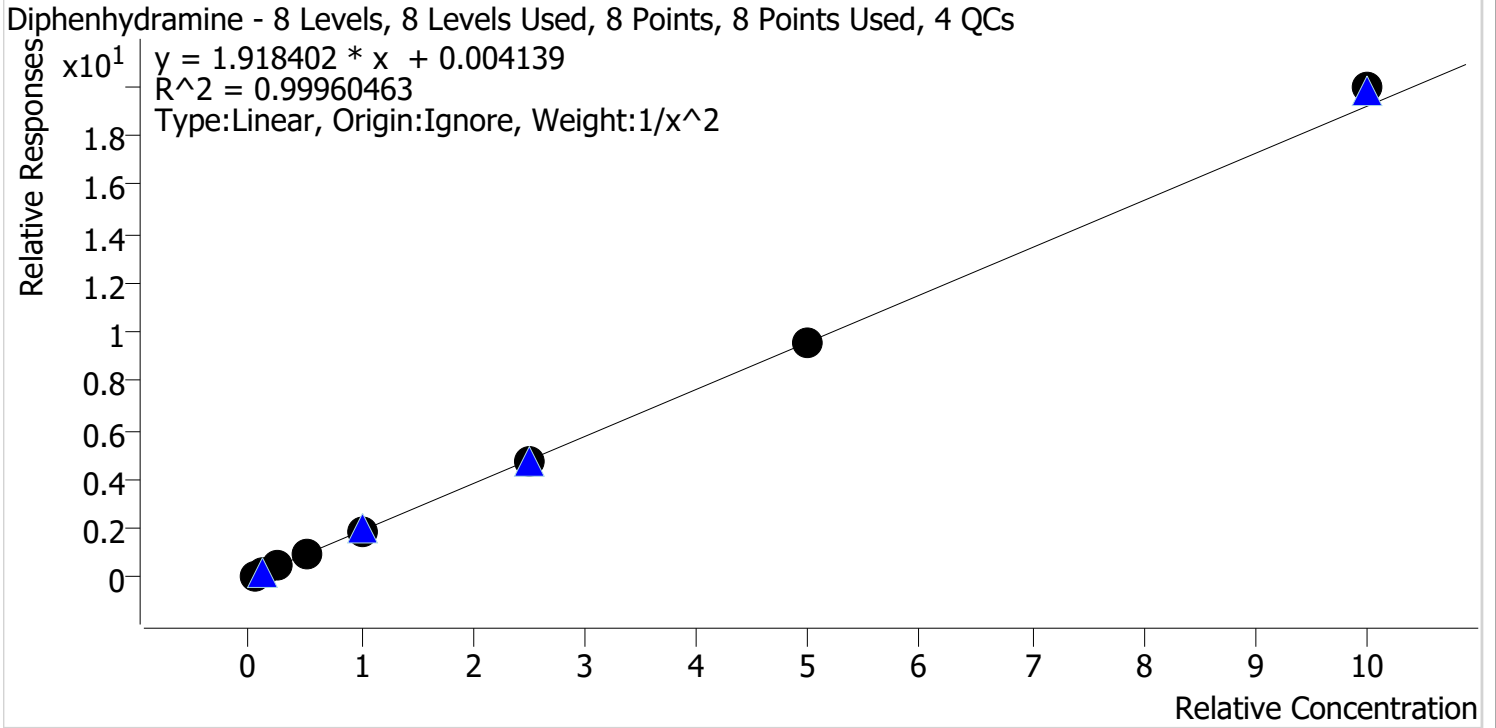


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	502.3	100.5
cal 8 mdq	8	✓	1000.0	952.9	95.3

# Compound Calibration Report



**Batch results**      D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update**      1/14/2021 9:13 AM  
**Analyst Name**      ISP\datastor  
**Analyte**      Diphenhydramine      **Internal Standard**      Diphenhydramine-D3



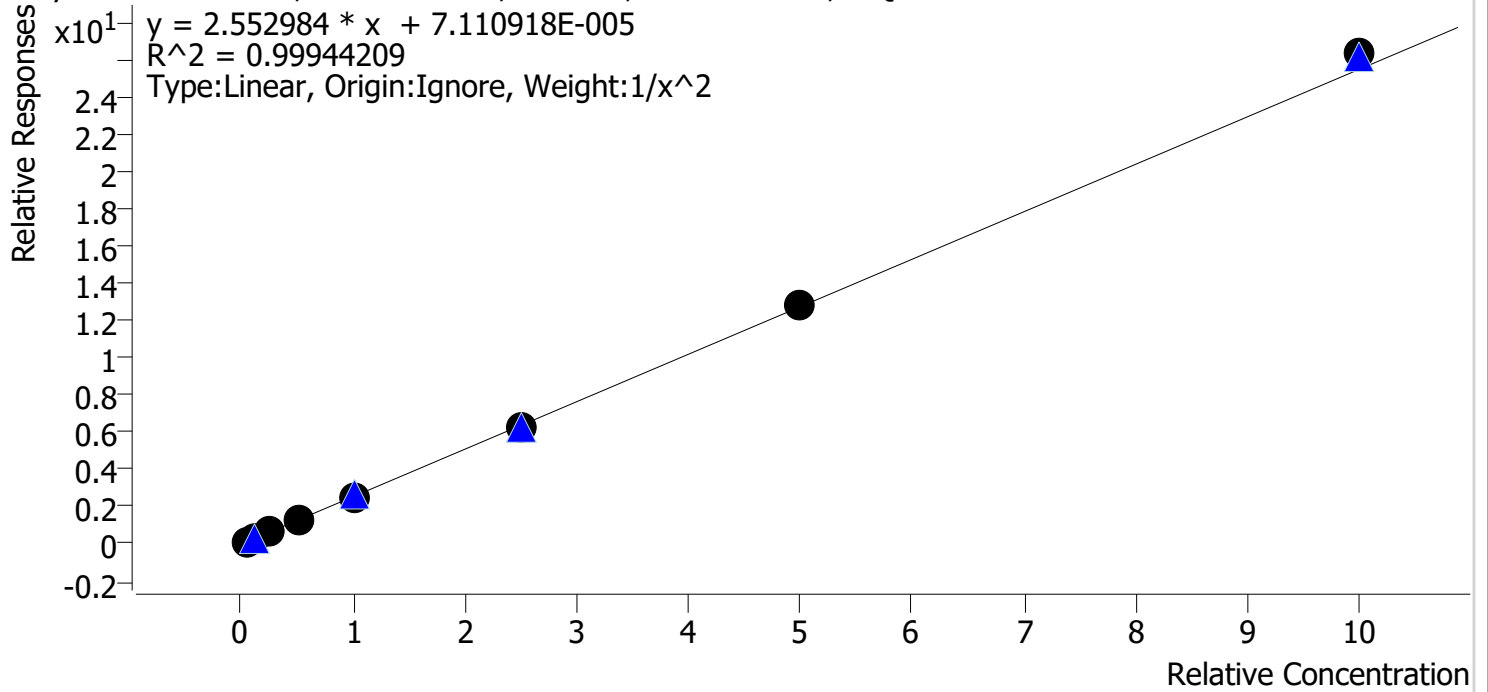
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	50.0	99.9
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	497.8	99.6
cal 8 mdq	8	✓	1000.0	1039.3	103.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



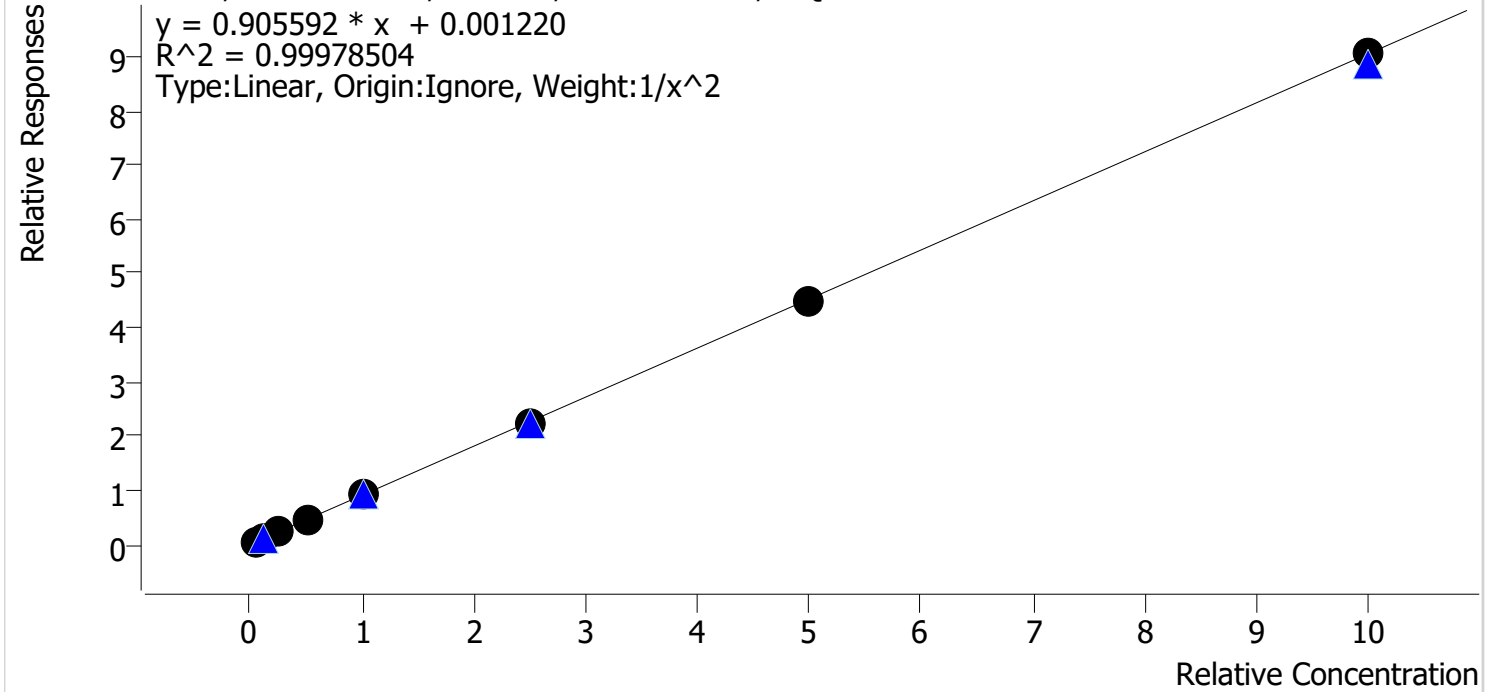
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	1033.2	103.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



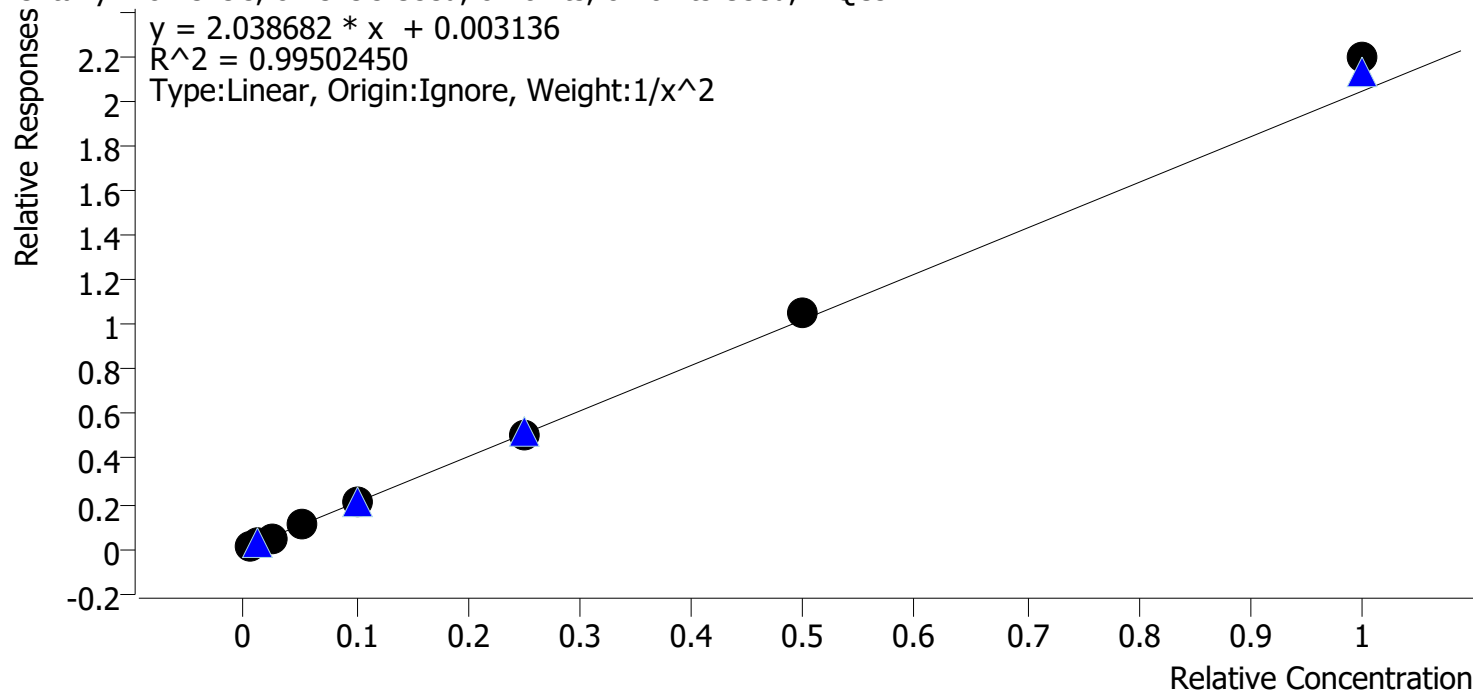
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	50.9	101.9
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	1000.4	100.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



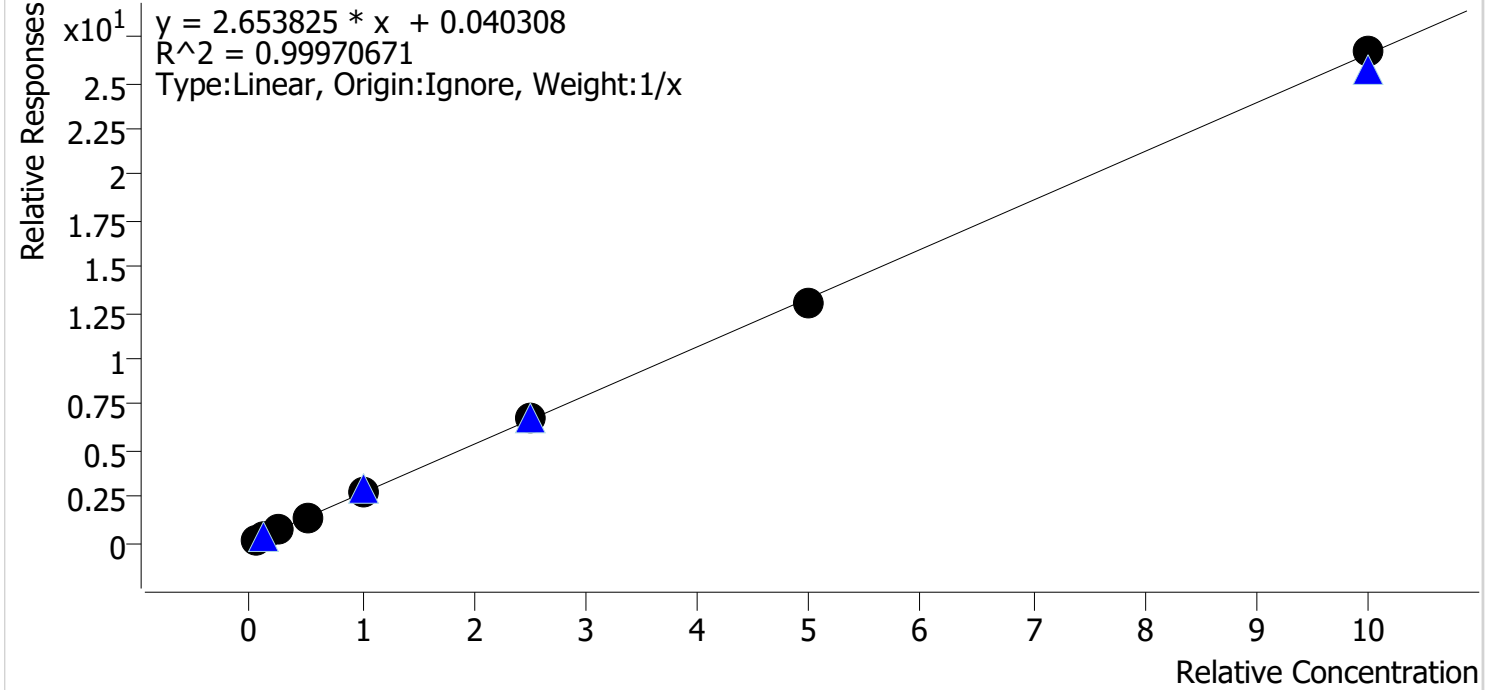
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.6
cal 2 mdq	2	✓	1.0	1.0	95.4
cal 3 mdq	3	✓	2.5	2.2	87.6
cal 4 mdq	4	✓	5.0	5.0	100.1
cal 5 mdq	5	✓	10.0	10.2	102.3
cal 6 mdq	6	✓	25.0	25.0	99.9
cal 7 mdq	7	✓	50.0	51.4	102.8
cal 8 mdq	8	✓	100.0	107.3	107.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 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	4.4	88.5
cal 2 mdq	2	✓	10.0	10.6	106.2
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	488.3	97.7
cal 8 mdq	8	✓	1000.0	1004.9	100.5

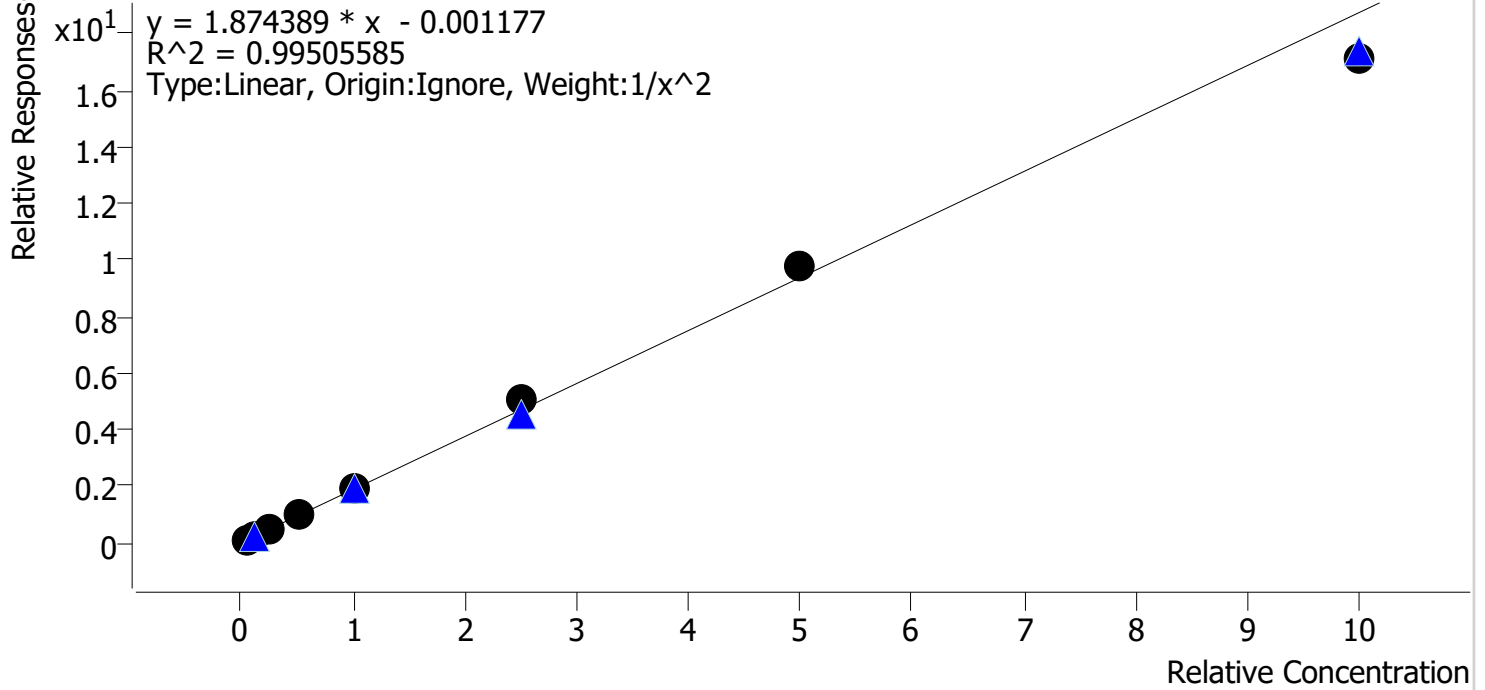


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



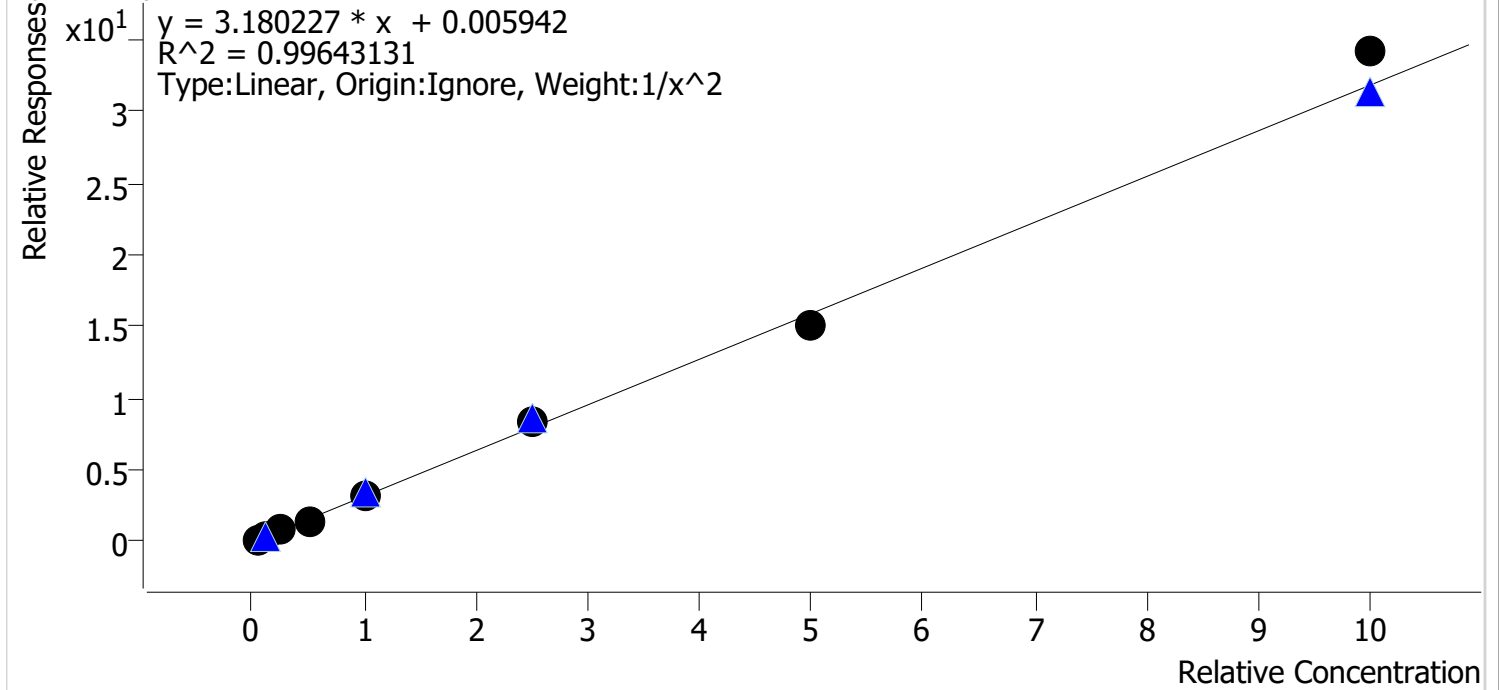
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	9.3	93.1
cal 3 mdq	3	✓	25.0	24.0	96.2
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	272.9	109.2
cal 7 mdq	7	✓	500.0	521.4	104.3
cal 8 mdq	8	✓	1000.0	911.1	91.1

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Hydromorphone	<b>Internal Standard</b>	Hydromorphone-D6

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

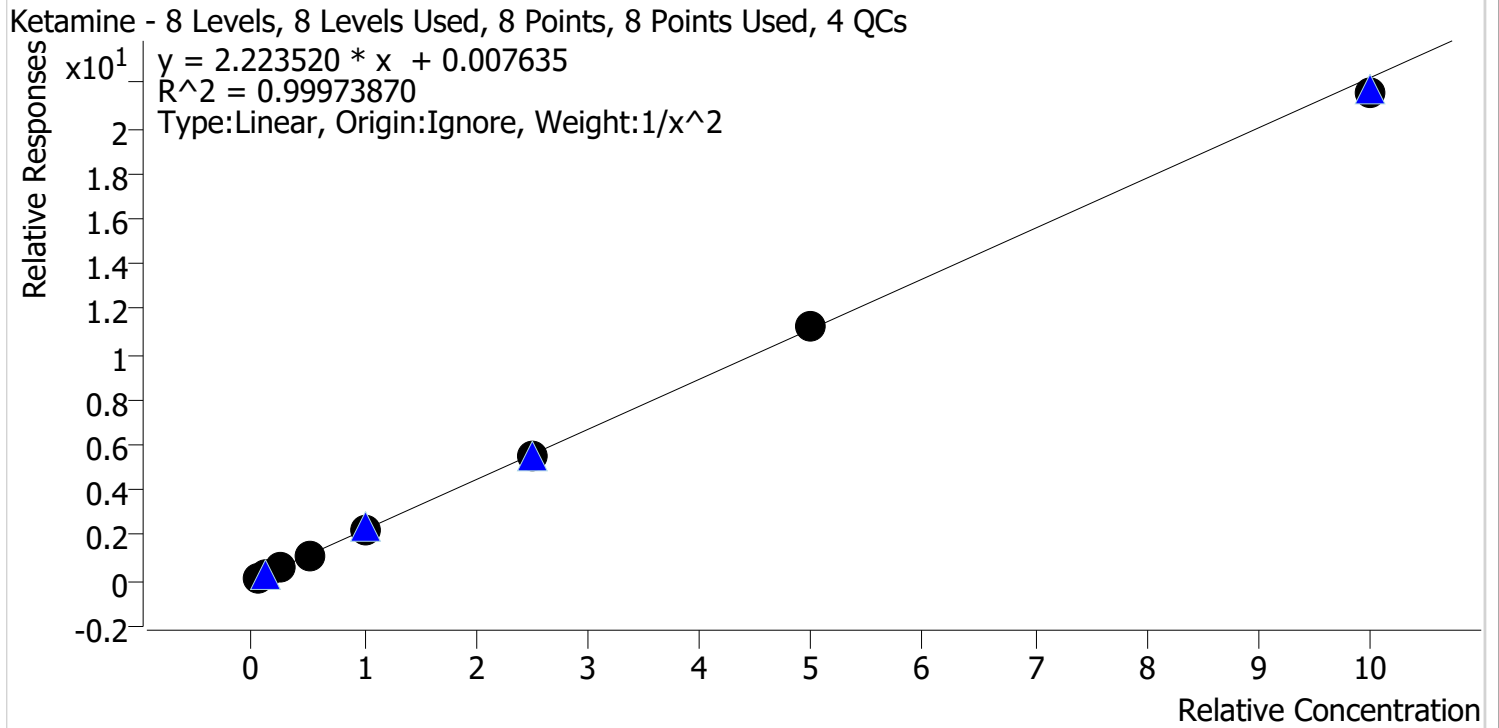


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	25.0	99.8
cal 4 mdq	4	✓	50.0	46.5	93.1
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	264.1	105.6
cal 7 mdq	7	✓	500.0	471.5	94.3
cal 8 mdq	8	✓	1000.0	1073.5	107.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

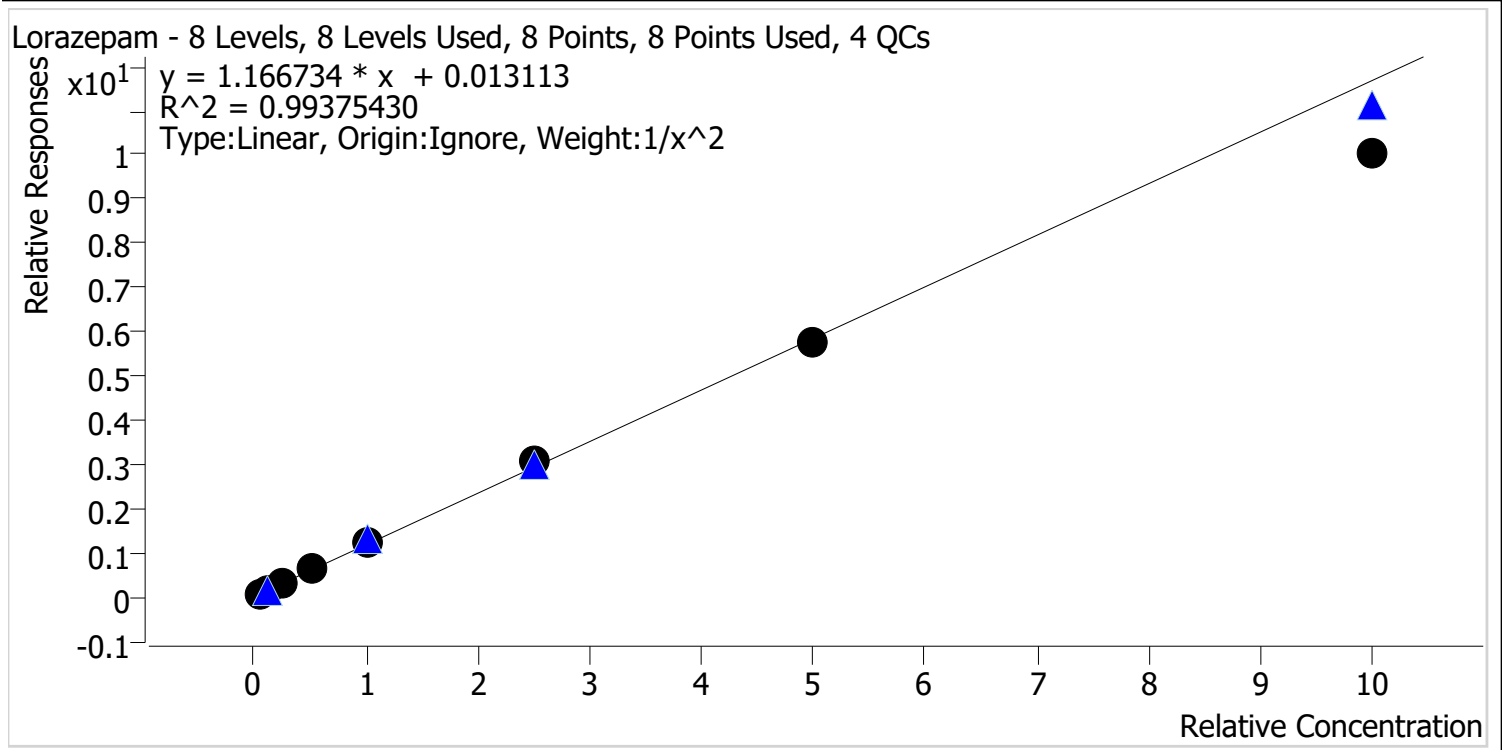


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	967.9	96.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

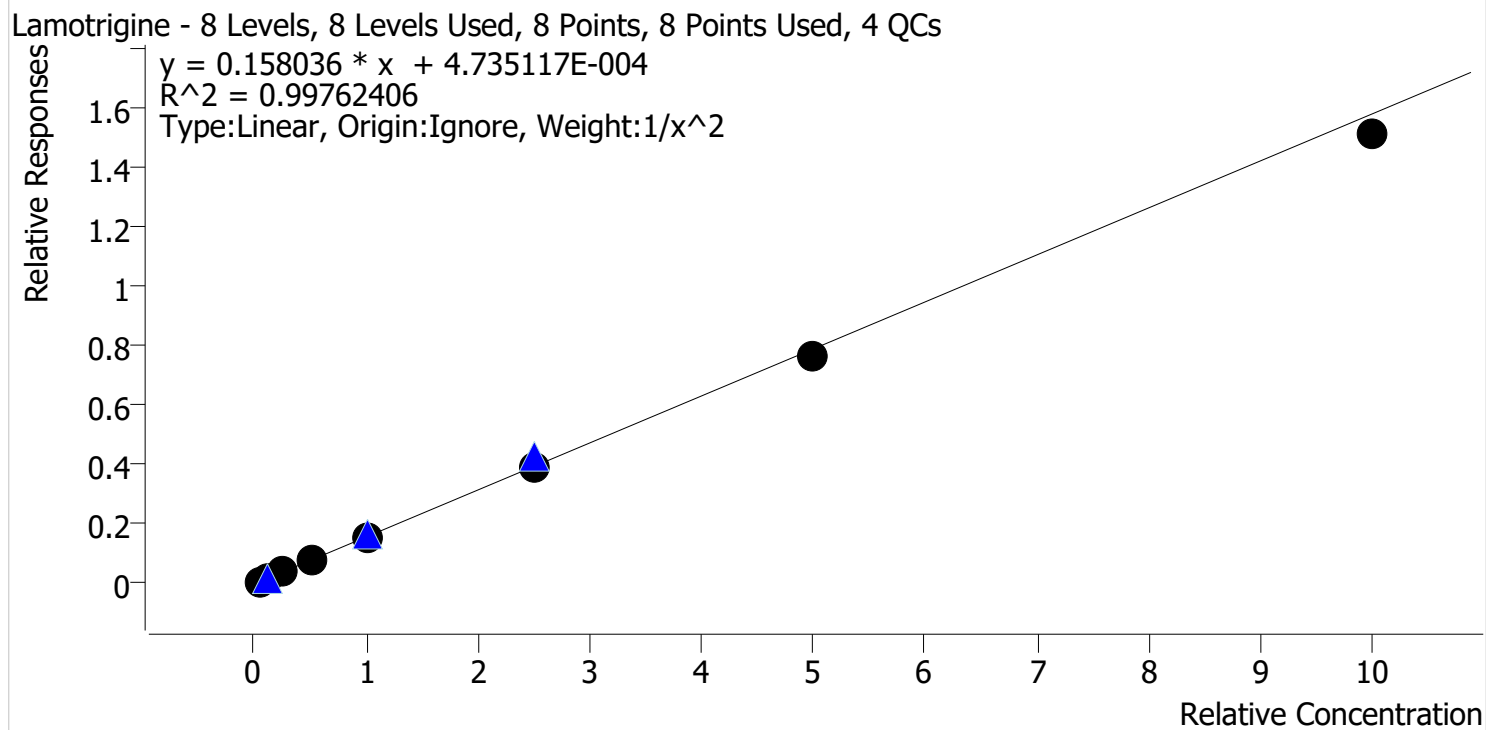


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	53.0	106.1
cal 5 mdq	5	✓	100.0	106.4	106.4
cal 6 mdq	6	✓	250.0	265.4	106.1
cal 7 mdq	7	✓	500.0	493.9	98.8
cal 8 mdq	8	✓	1000.0	857.7	85.8

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Lamotrigine	<b>Internal Standard</b>	MDA-D5



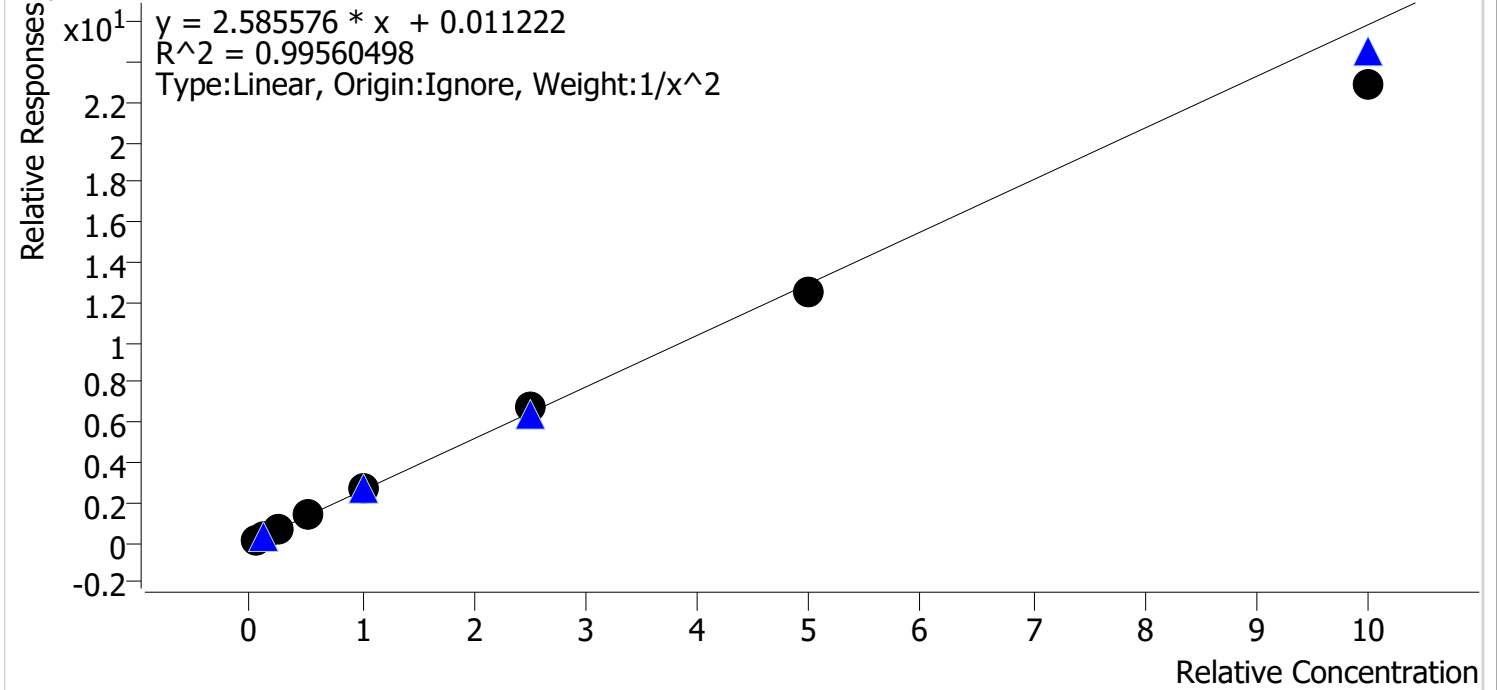
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.6
cal 2 mdq	2	✓	10.0	10.6	106.3
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	246.9	98.8
cal 7 mdq	7	✓	500.0	483.6	96.7
cal 8 mdq	8	✓	1000.0	956.2	95.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



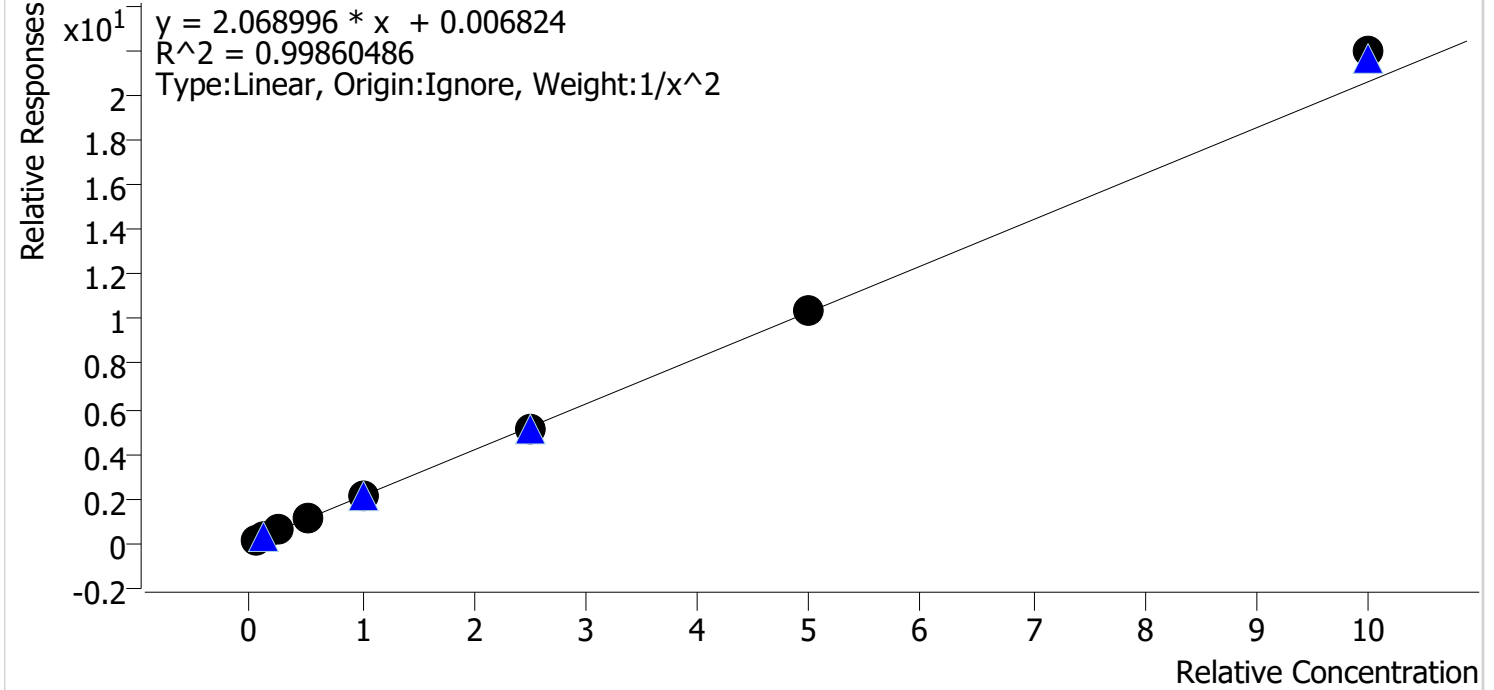
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	53.5	107.0
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	259.6	103.9
cal 7 mdq	7	✓	500.0	481.2	96.2
cal 8 mdq	8	✓	1000.0	883.5	88.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



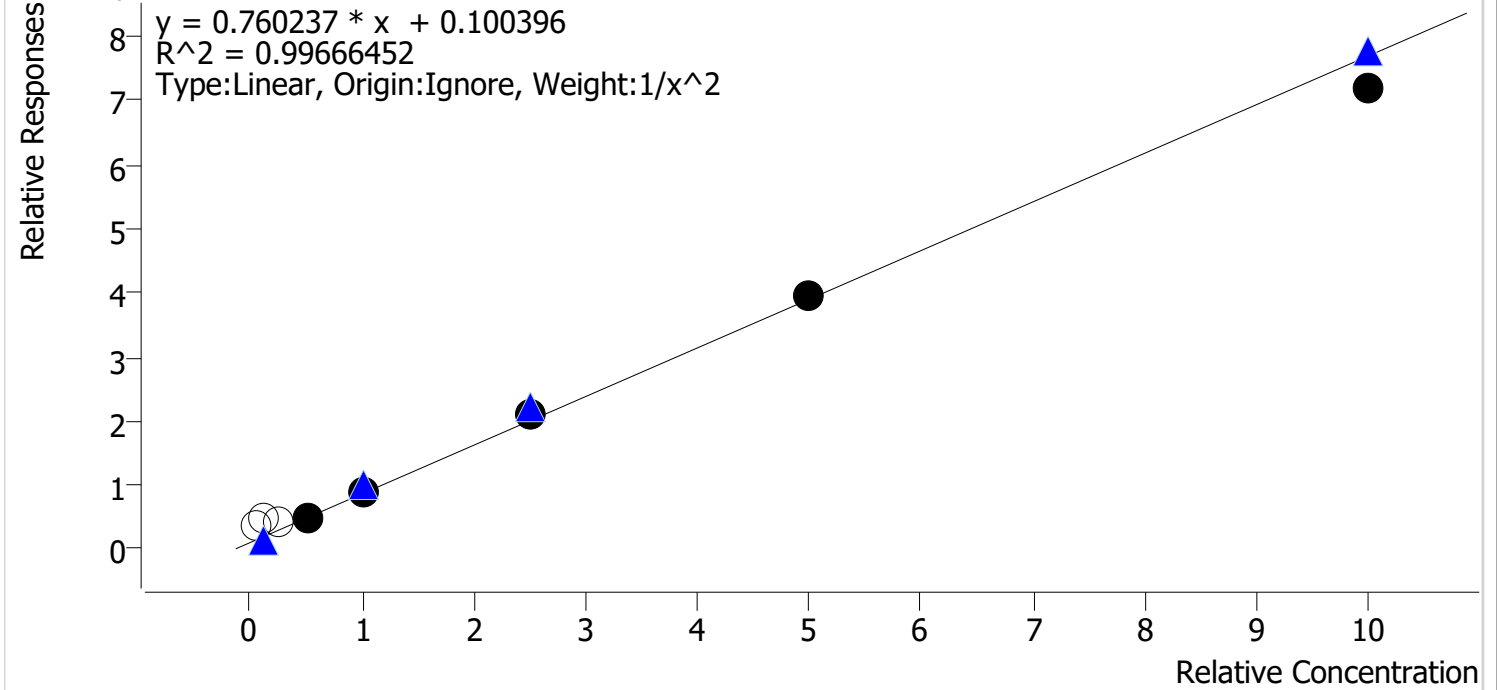
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	247.9	99.1
cal 7 mdq	7	✓	500.0	504.0	100.8
cal 8 mdq	8	✓	1000.0	1065.5	106.6

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Methamphetamine	<b>Internal Standard</b>	Methamphetamine-D11

Methamphetamine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	36.8	736.5
cal 2 mdq	2	x	10.0	53.3	532.9
cal 3 mdq	3	x	25.0	44.0	175.8
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	262.6	105.0
cal 7 mdq	7	✓	500.0	505.2	101.0
cal 8 mdq	8	✓	1000.0	934.6	93.5

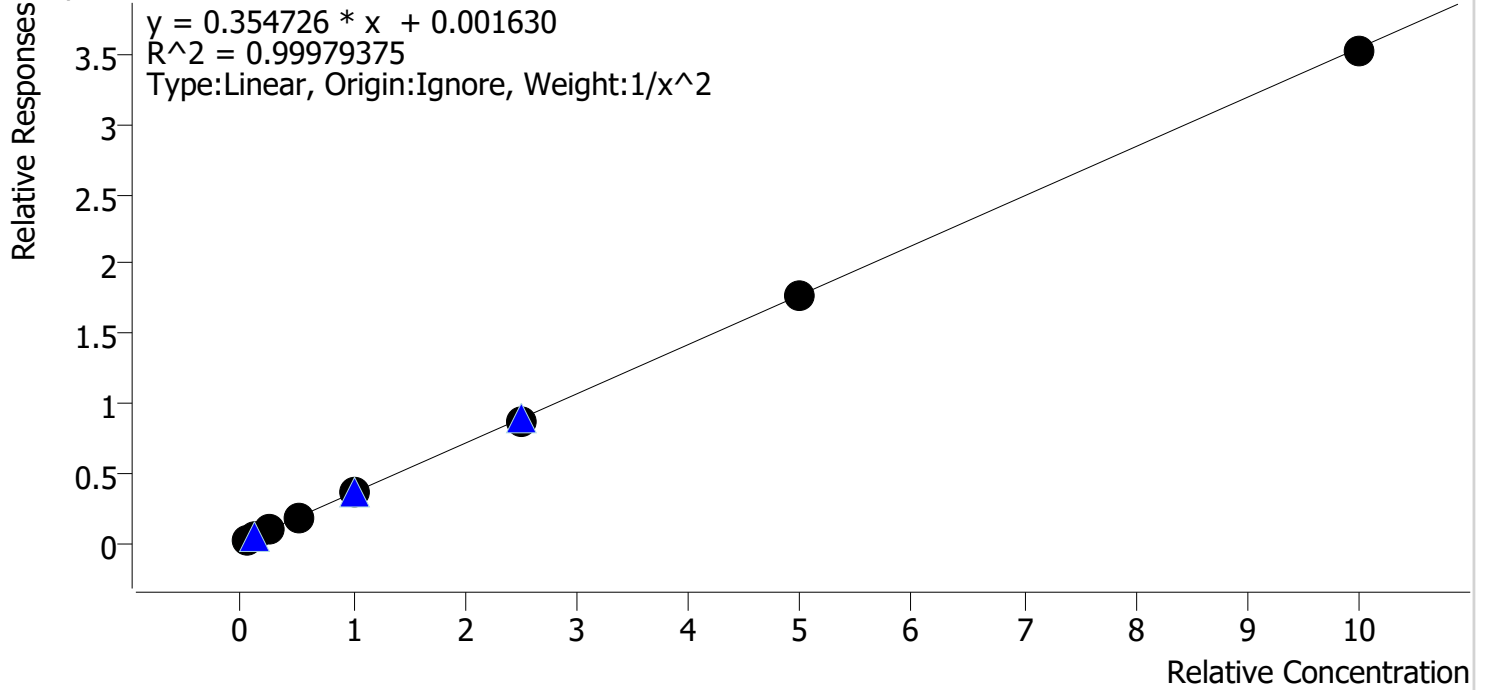


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** MDA-D5

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



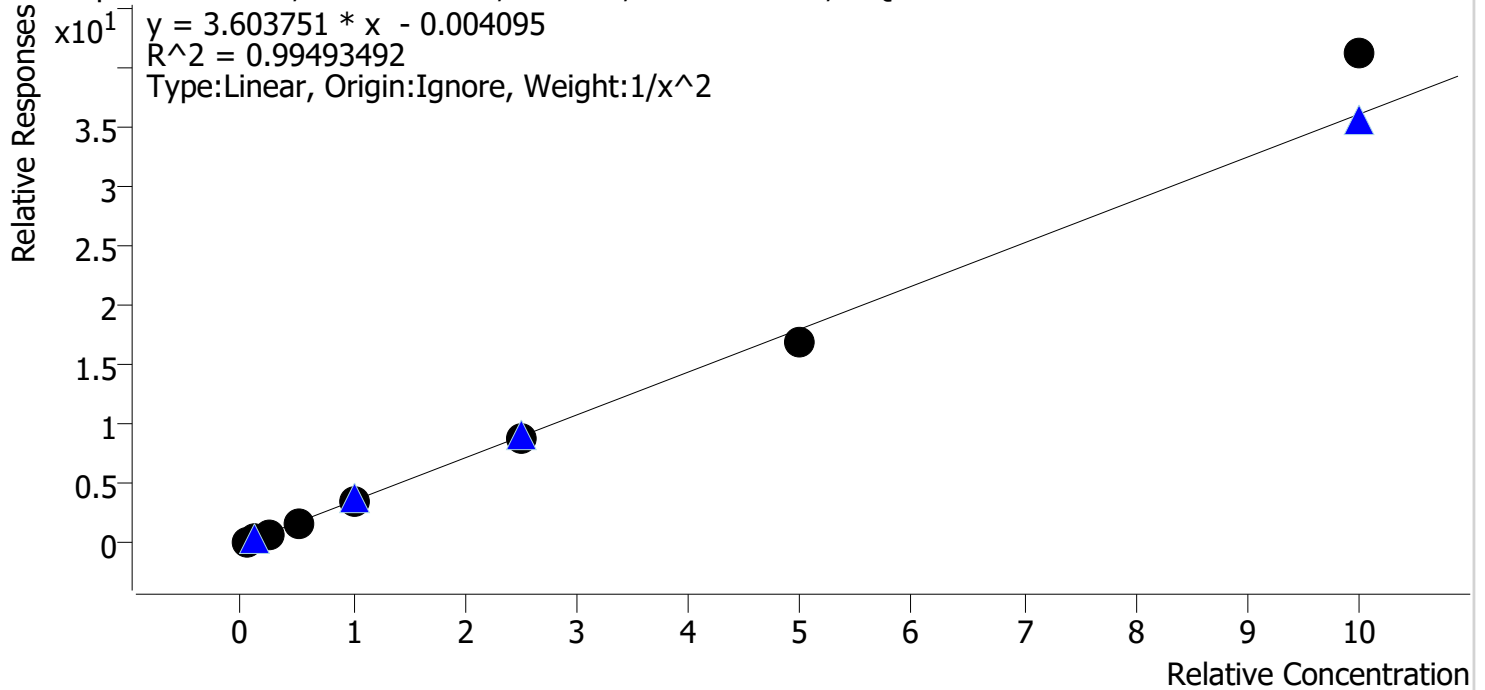
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	245.1	98.0
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	992.4	99.2

# Compound Calibration Report



**Batch results**                 D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update**             1/14/2021 9:13 AM  
**Analyst Name**                 ISP\datastor  
**Analyte**                         Mirtazapine                                 **Internal Standard**                 Phentermine-D5

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

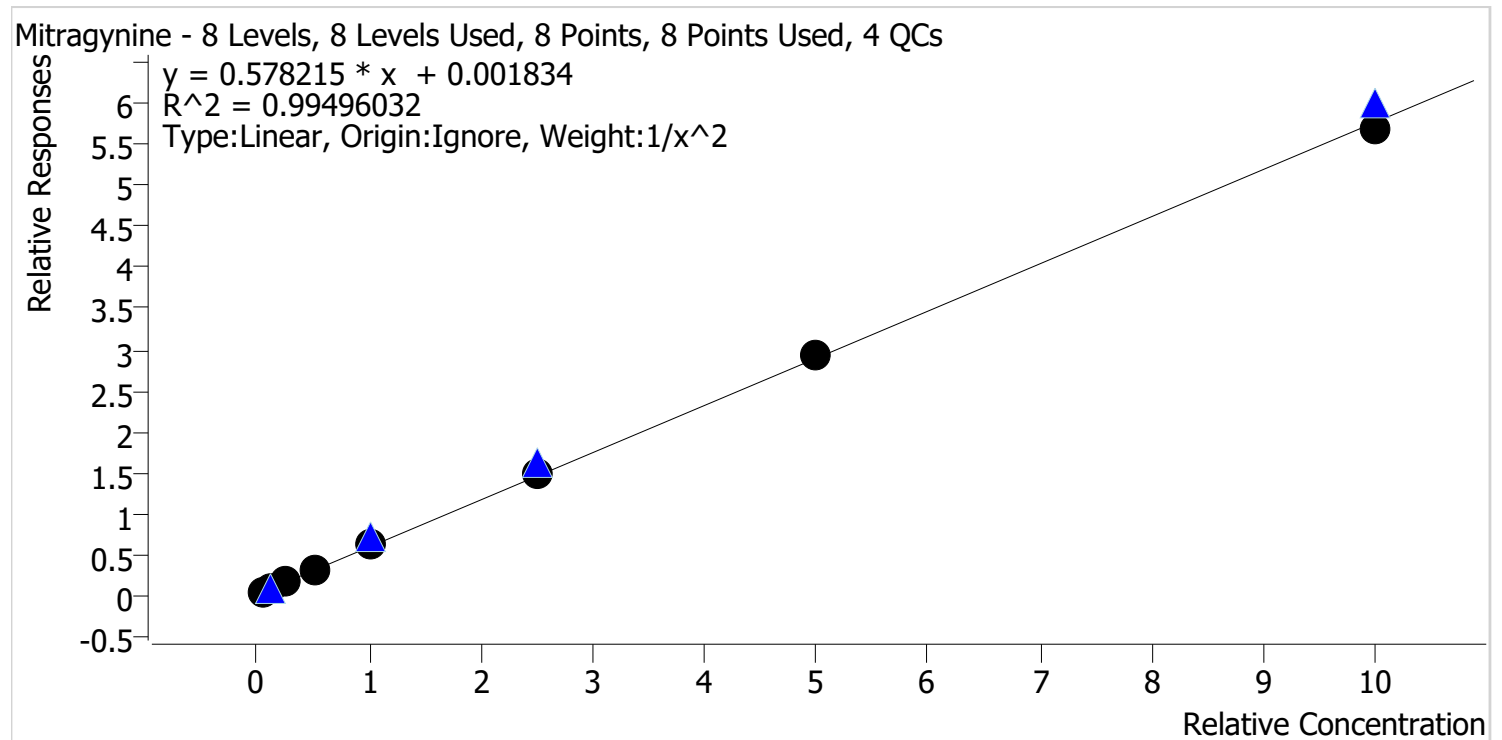


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	242.4	97.0
cal 7 mdq	7	✓	500.0	469.6	93.9
cal 8 mdq	8	✓	1000.0	1140.9	114.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Phentermine-D5



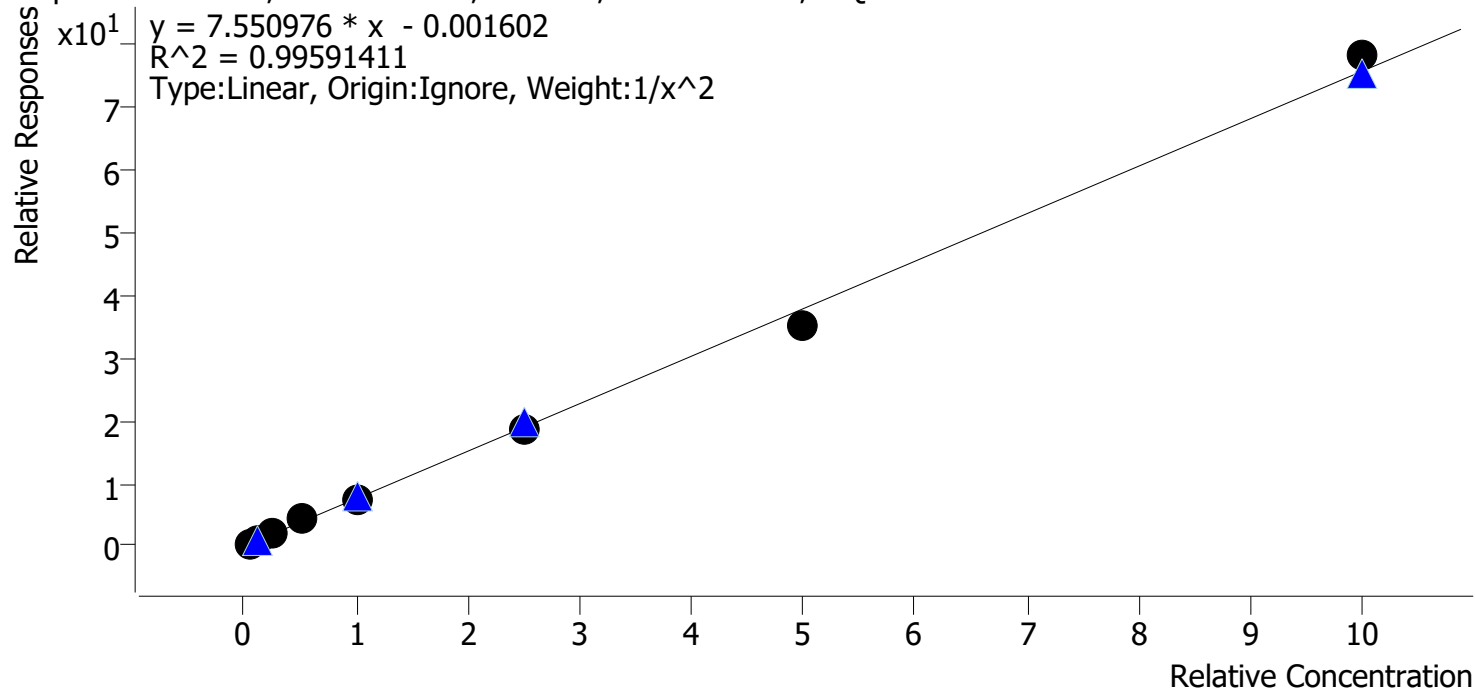
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.7
cal 2 mdq	2	✓	10.0	8.7	87.0
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	257.9	103.2
cal 7 mdq	7	✓	500.0	505.3	101.1
cal 8 mdq	8	✓	1000.0	988.9	98.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



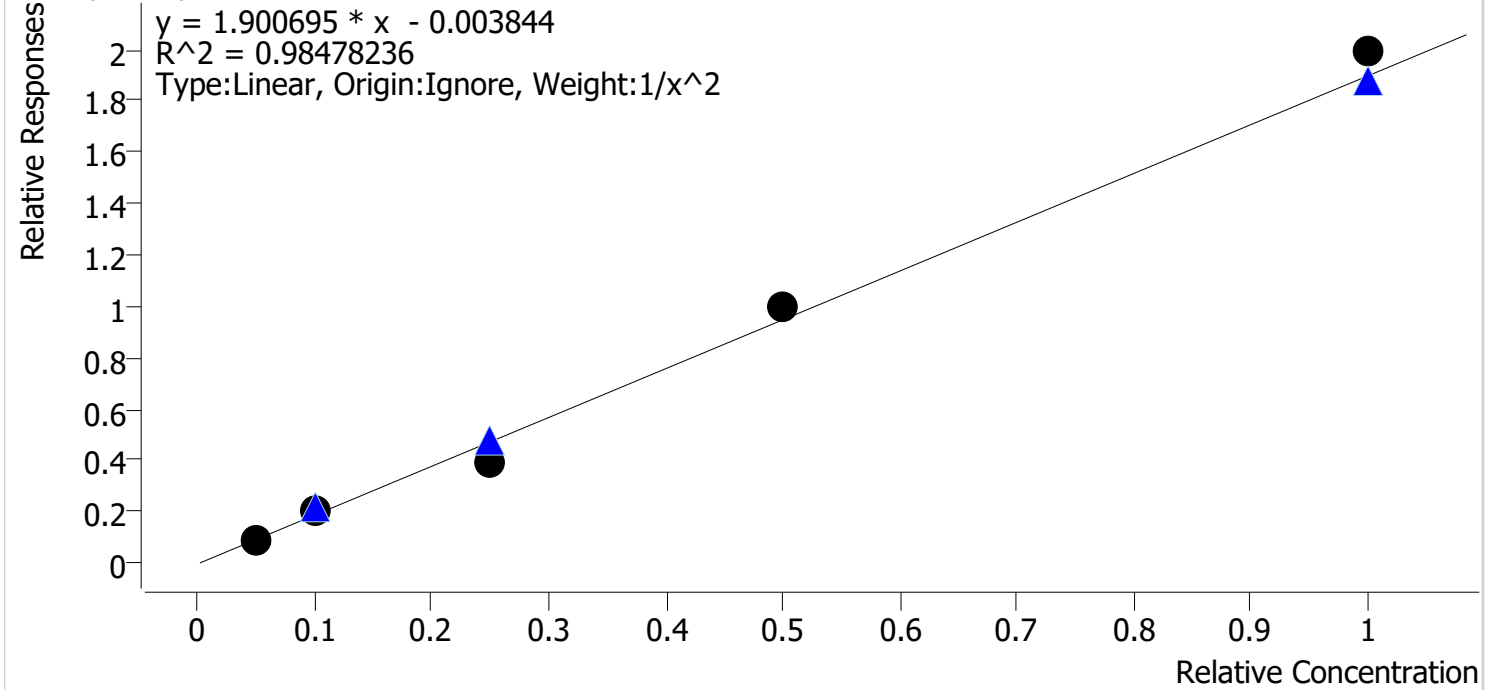
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	55.3	110.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	243.4	97.3
cal 7 mdq	7	✓	500.0	463.9	92.8
cal 8 mdq	8	✓	1000.0	1032.9	103.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



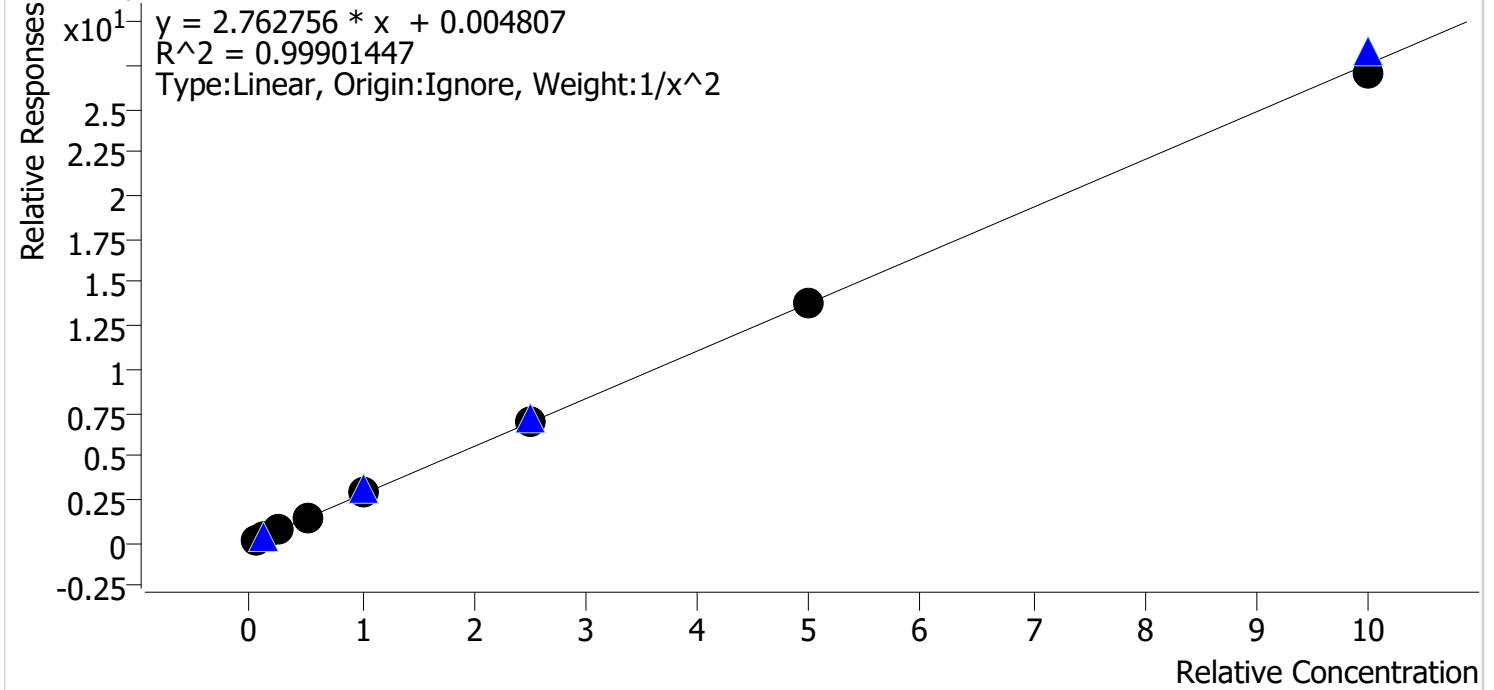
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 4 mdq	4	✓	5.0	5.0	99.4
cal 5 mdq	5	✓	10.0	10.6	106.1
cal 6 mdq	6	✓	25.0	20.9	83.6
cal 7 mdq	7	✓	50.0	53.0	106.0
cal 8 mdq	8	✓	100.0	104.9	104.9

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Nordiazepam	<b>Internal Standard</b>	Nordiazepam-D5

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



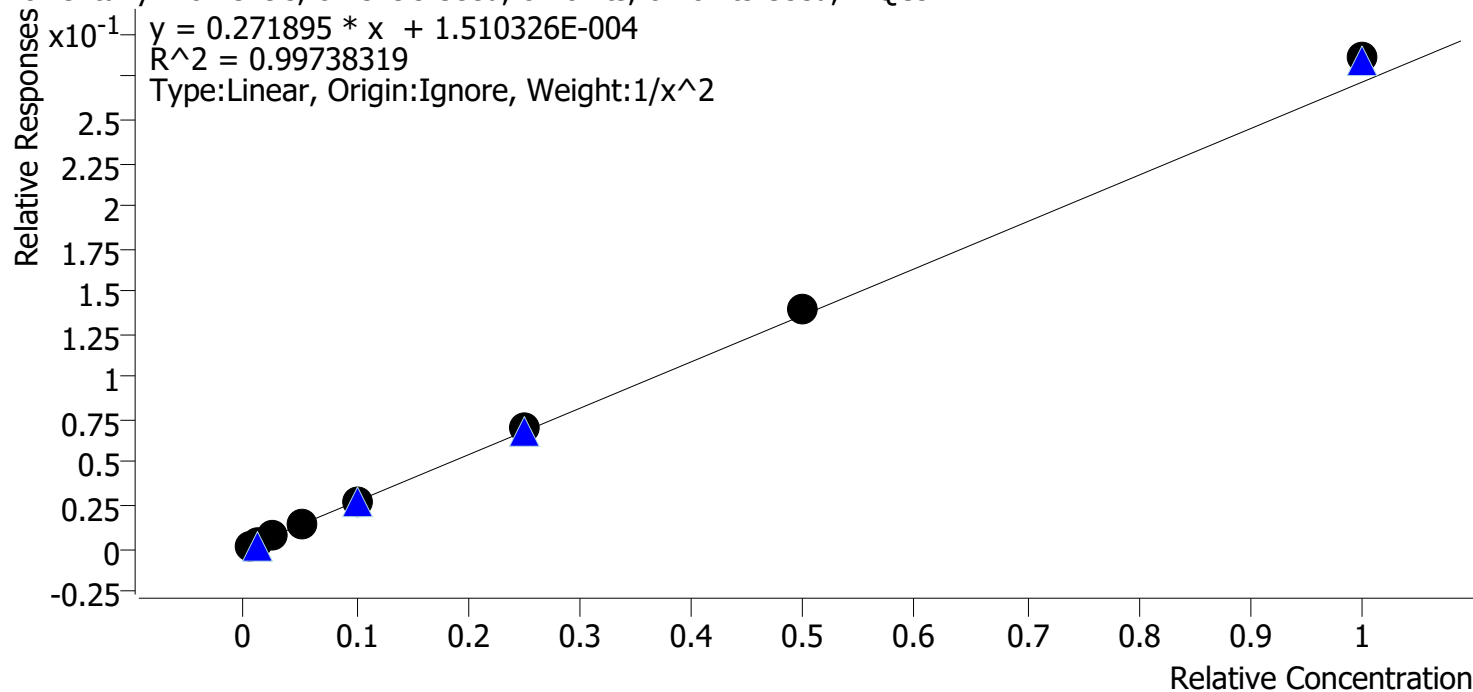
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	255.4	102.1
cal 7 mdq	7	✓	500.0	503.4	100.7
cal 8 mdq	8	✓	1000.0	977.8	97.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

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



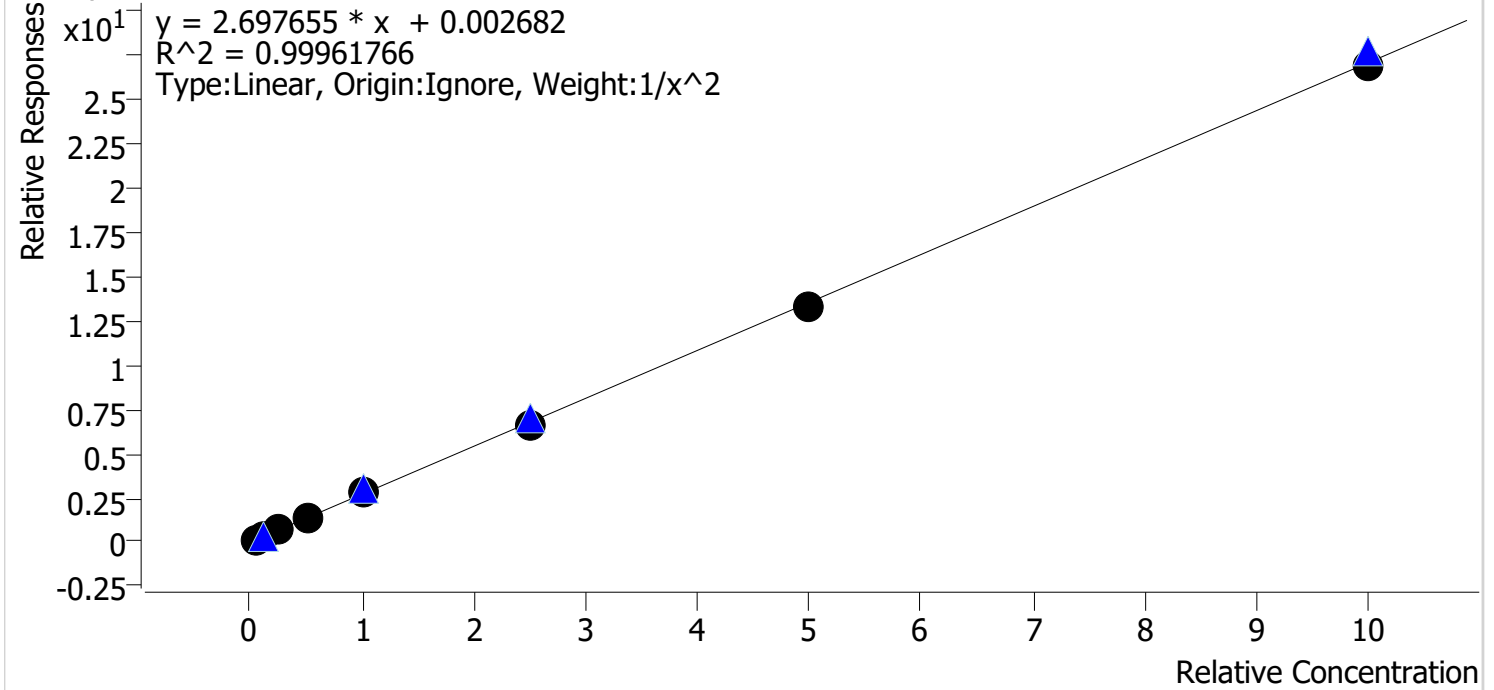
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.4
cal 2 mdq	2	✓	1.0	0.9	93.6
cal 3 mdq	3	✓	2.5	2.4	95.3
cal 4 mdq	4	✓	5.0	4.8	96.5
cal 5 mdq	5	✓	10.0	9.9	99.3
cal 6 mdq	6	✓	25.0	25.8	103.3
cal 7 mdq	7	✓	50.0	51.1	102.3
cal 8 mdq	8	✓	100.0	105.3	105.3

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Noroxycodone	<b>Internal Standard</b>	Noroxycodone-D3

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



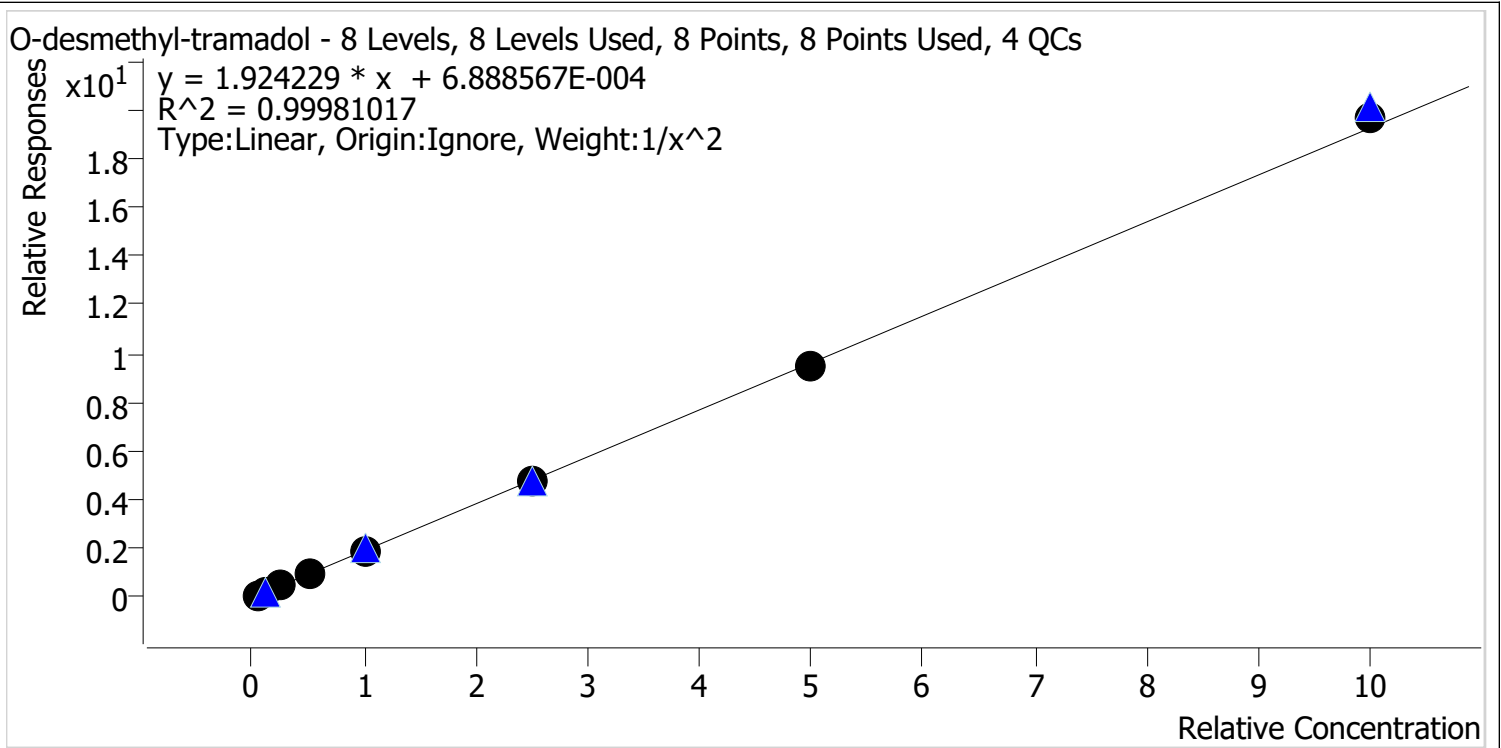
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	990.8	99.1



# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	O-desmethyl-tramadol	<b>Internal Standard</b>	O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	246.6	98.6
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	1023.5	102.3

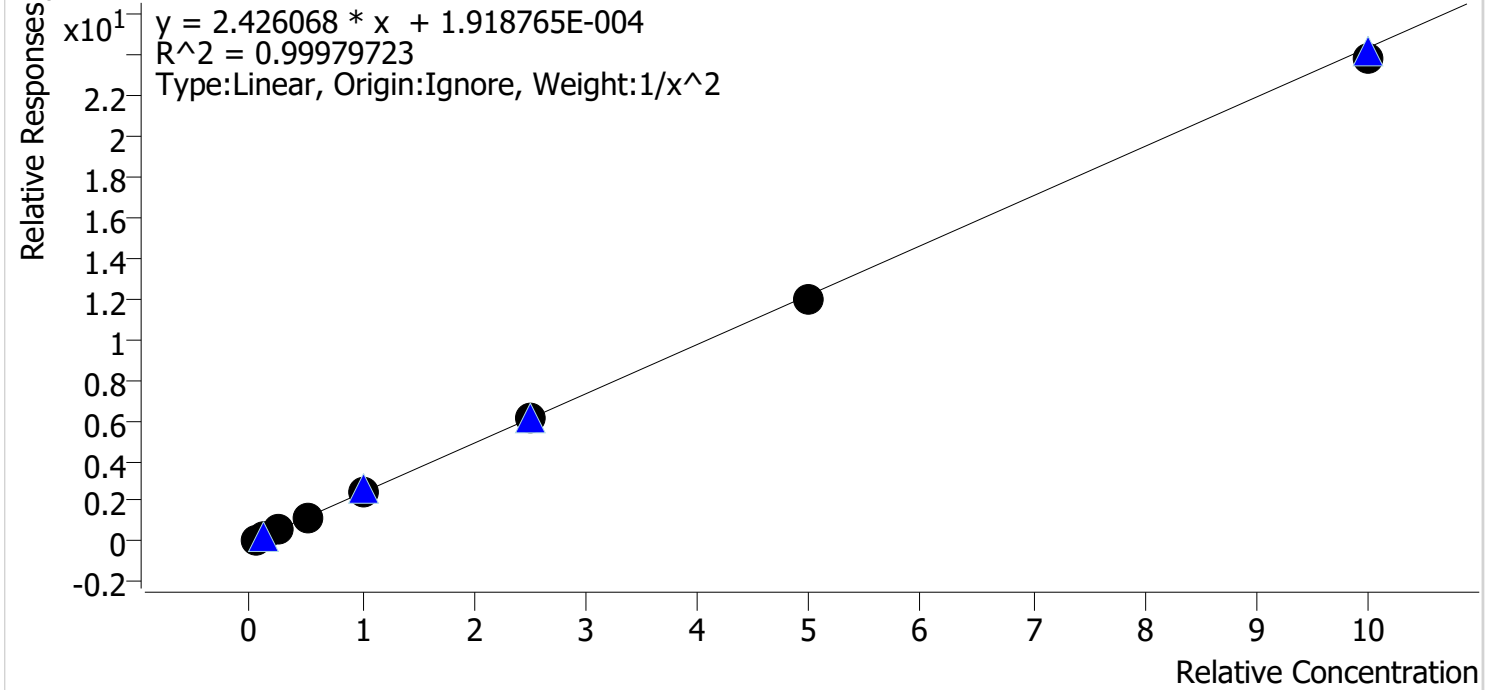


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



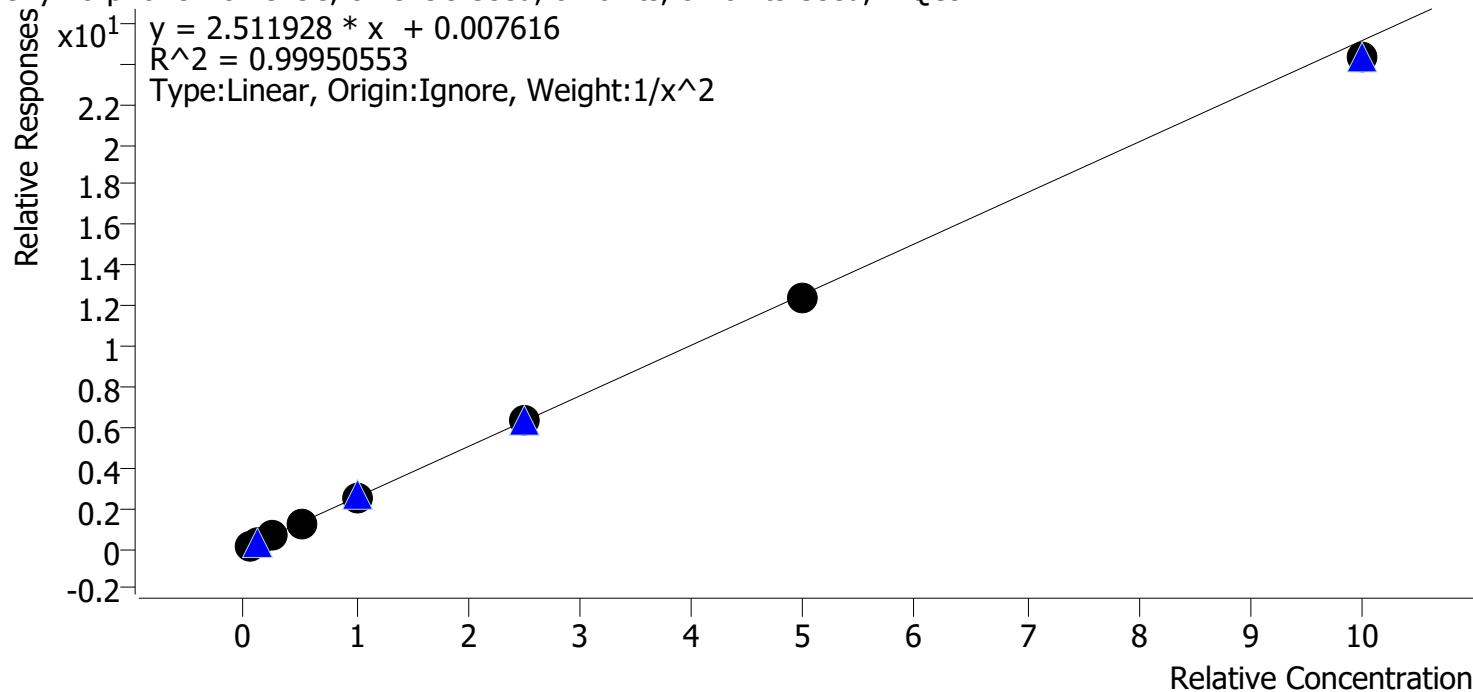
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	491.9	98.4
cal 8 mdq	8	✓	1000.0	980.7	98.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 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	99.4
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	250.0	100.0
cal 7 mdq	7	✓	500.0	492.4	98.5
cal 8 mdq	8	✓	1000.0	966.4	96.6

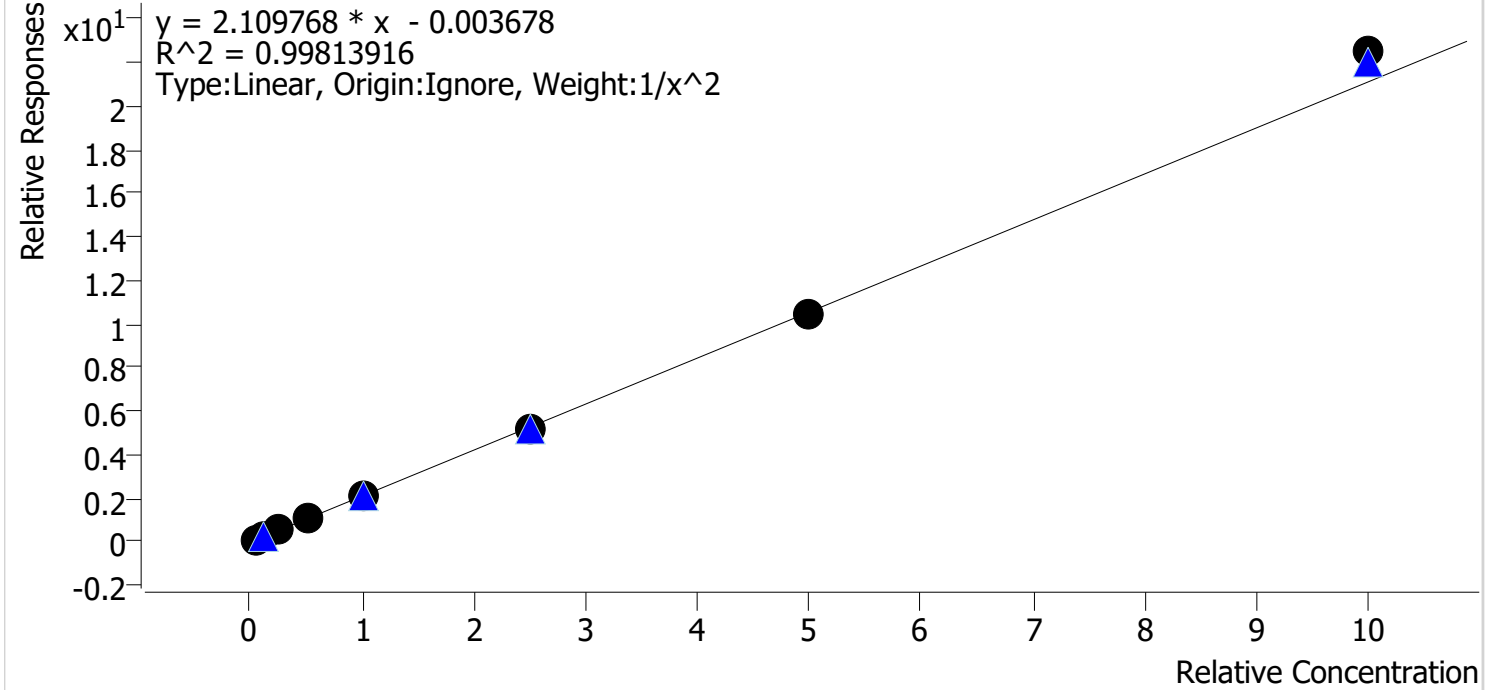


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



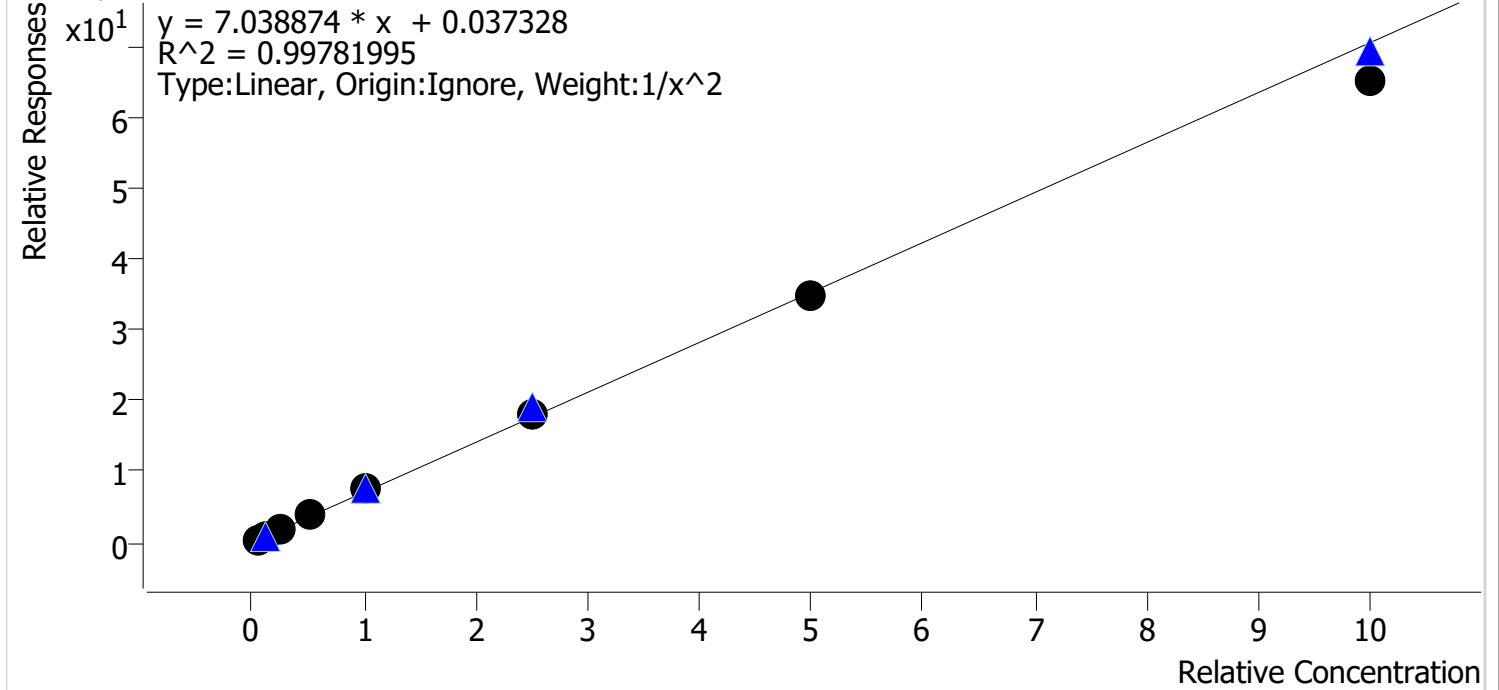
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	9.4	94.2
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	248.9	99.5
cal 7 mdq	7	✓	500.0	495.6	99.1
cal 8 mdq	8	✓	1000.0	1065.9	106.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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

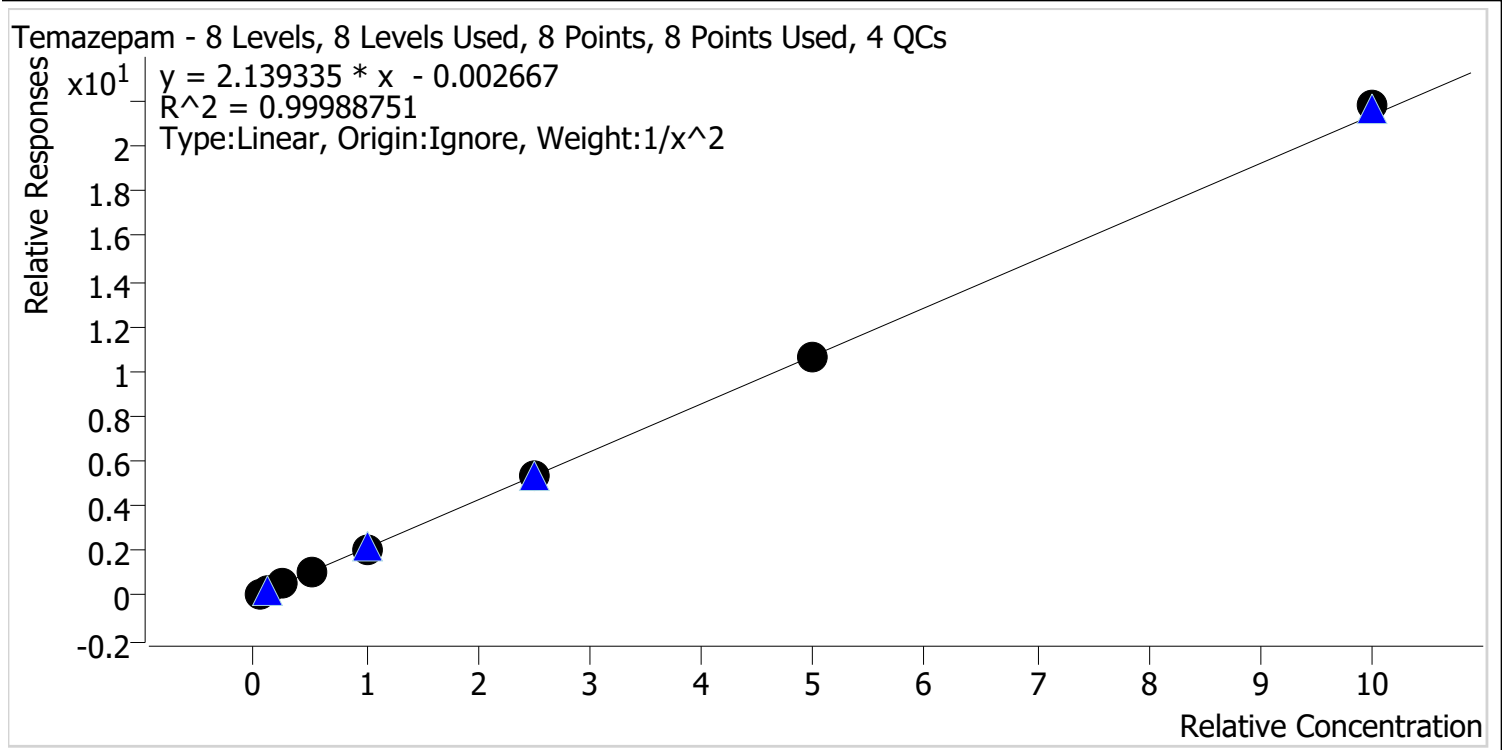


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	494.8	99.0
cal 8 mdq	8	✓	1000.0	926.2	92.6

# Compound Calibration Report



**Batch results**                   D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update**            1/14/2021 9:13 AM  
**Analyst Name**                 ISP\datastor  
**Analyte**                         Temazepam                                 **Internal Standard**             Temazepam-D5



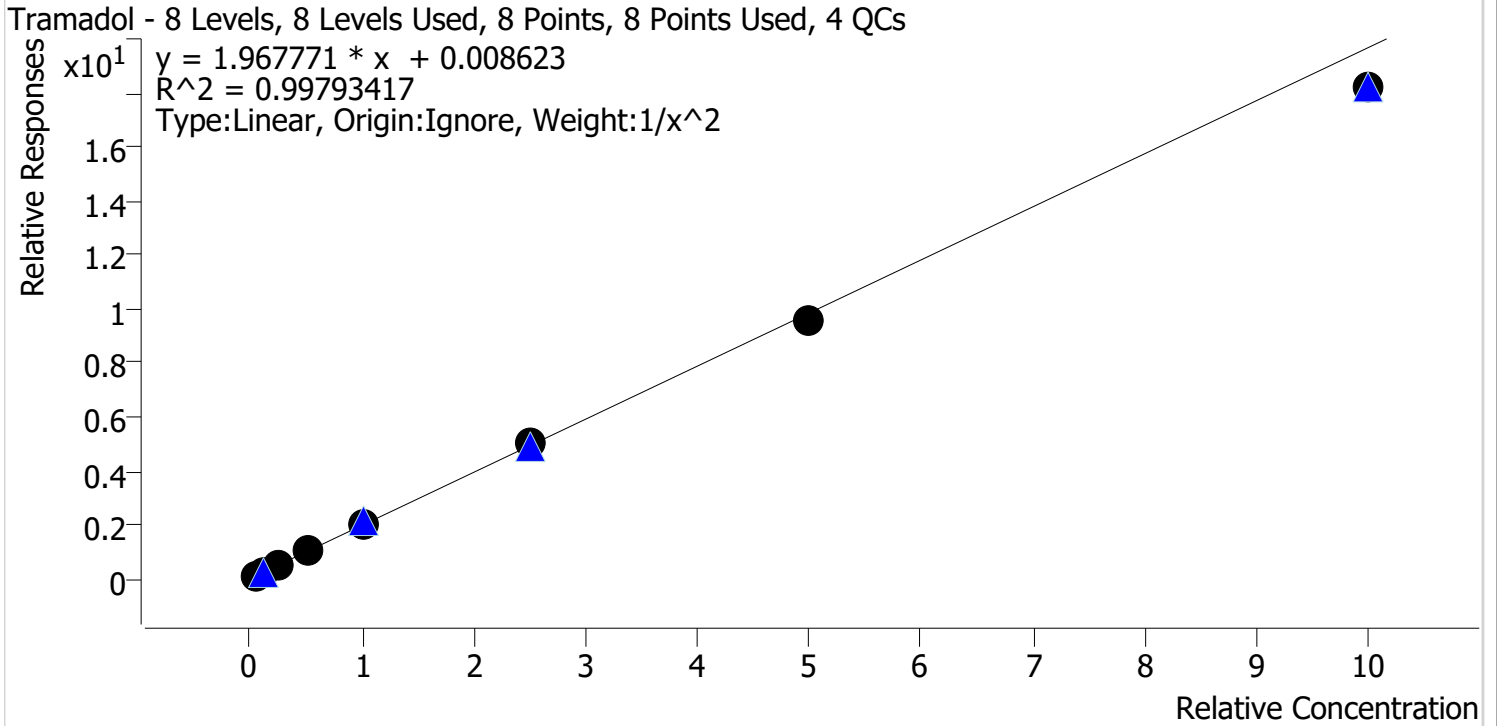
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	498.2	99.6
cal 8 mdq	8	✓	1000.0	1020.3	102.0



# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	1/14/2021 9:13 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Tramadol	<b>Internal Standard</b>	Tramadol-13C-D3



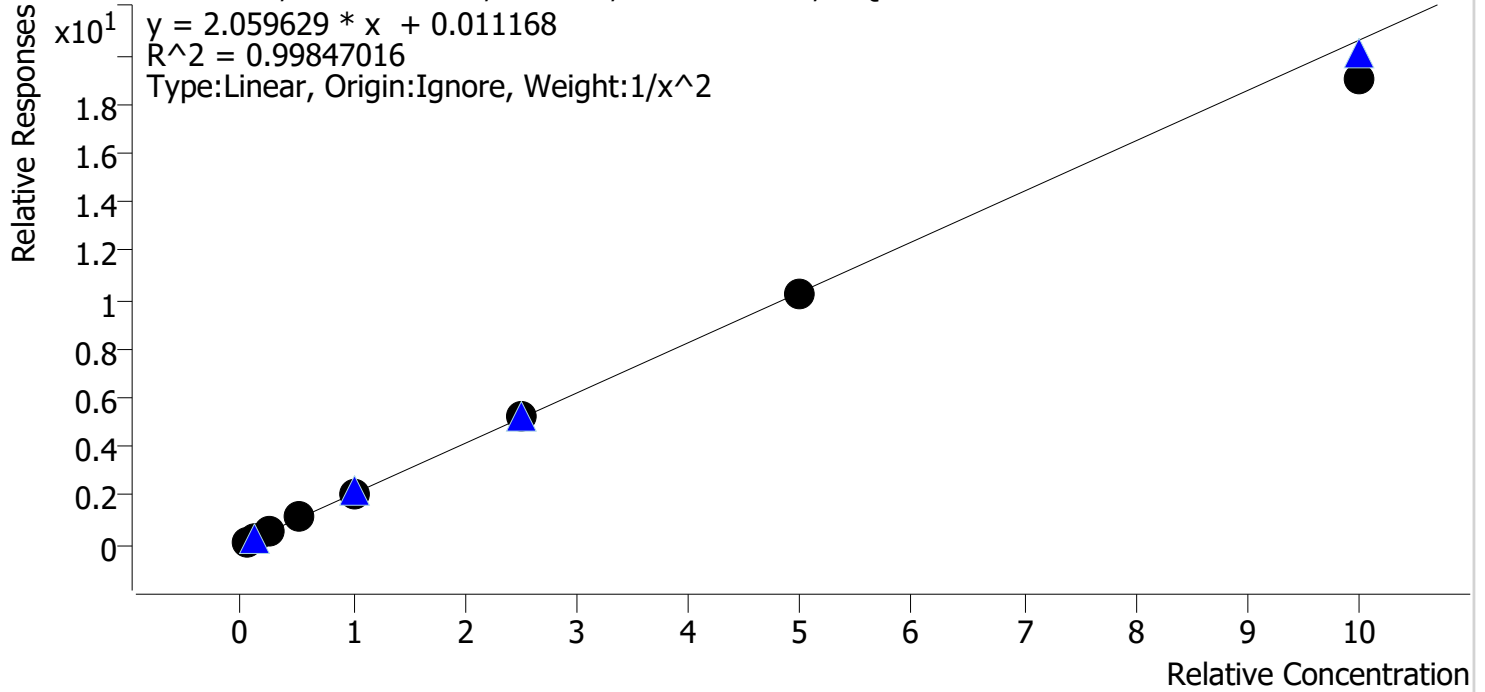
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	52.8	105.7
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	488.4	97.7
cal 8 mdq	8	✓	1000.0	924.7	92.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



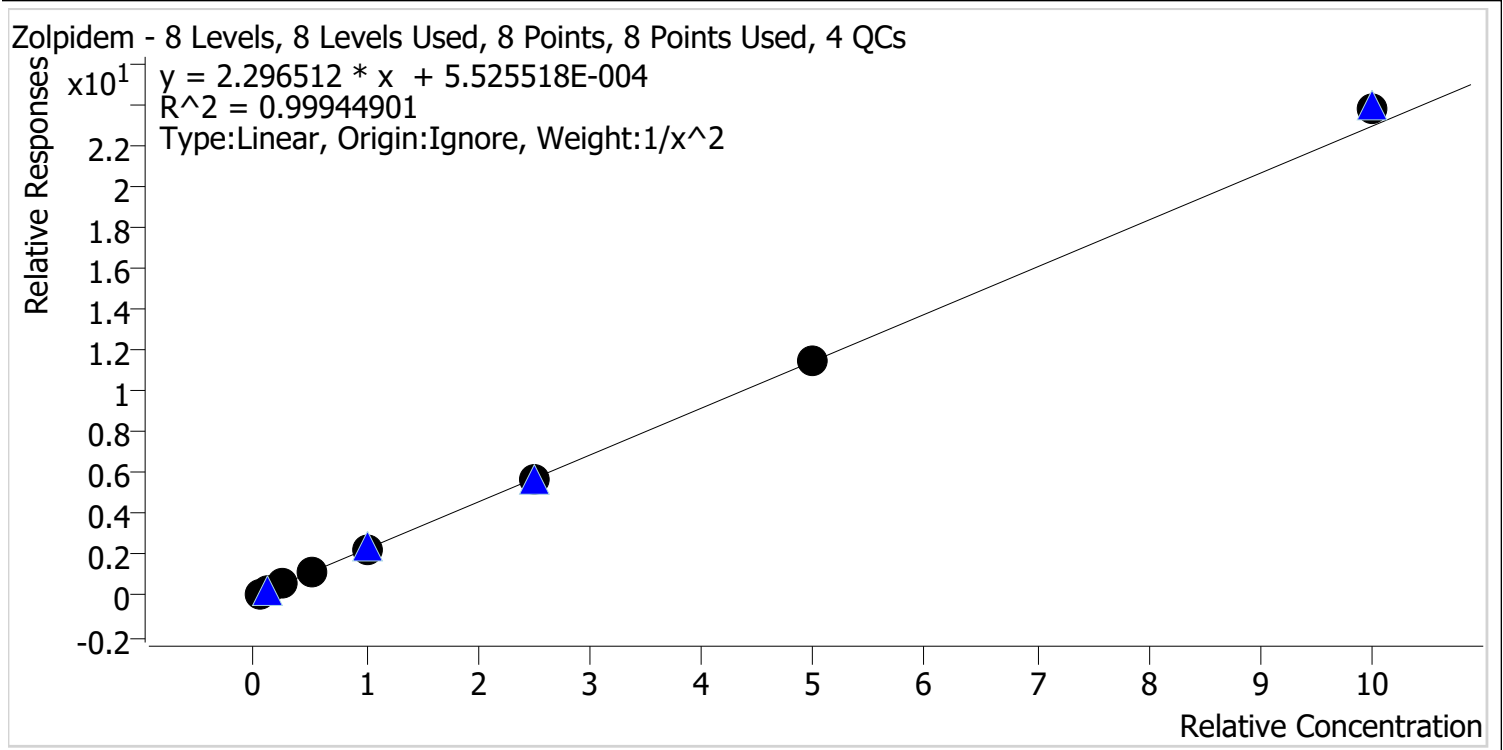
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	252.8	101.1
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	926.6	92.7



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



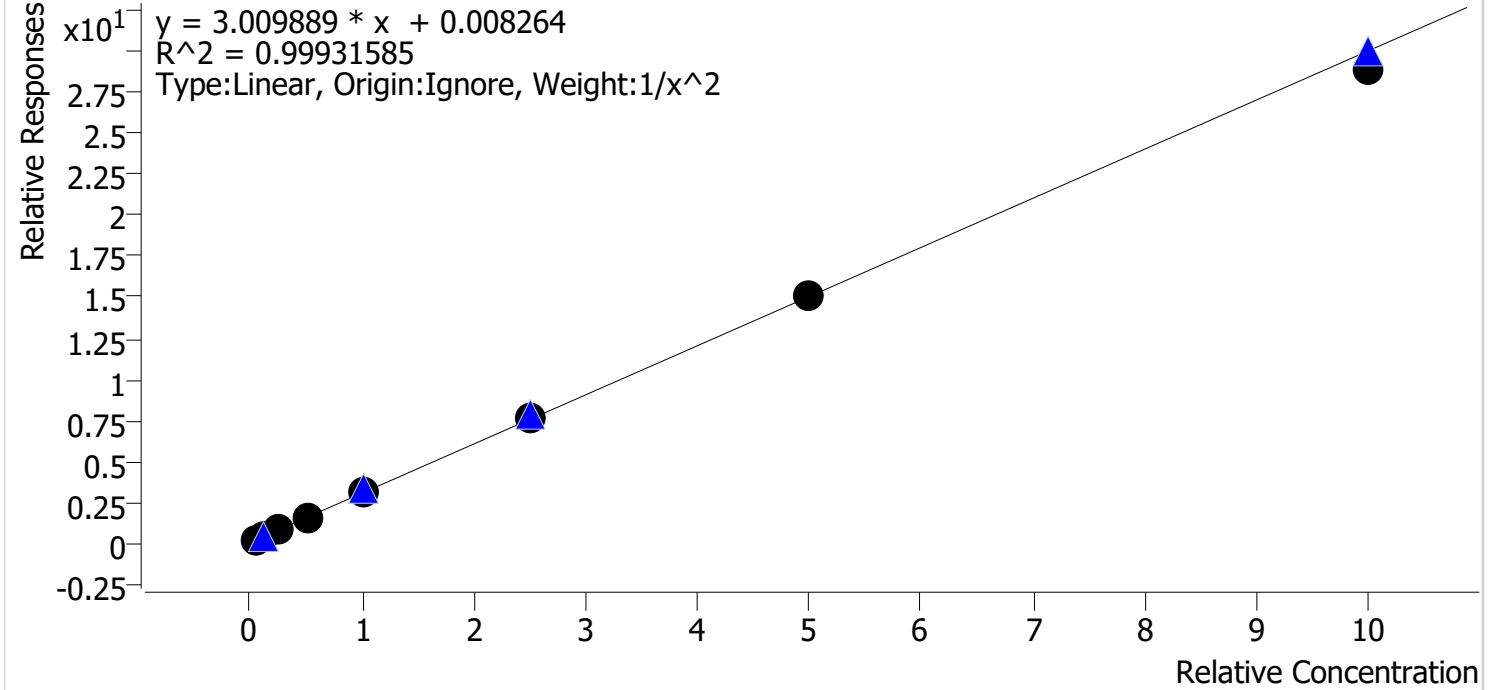
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	1040.3	104.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



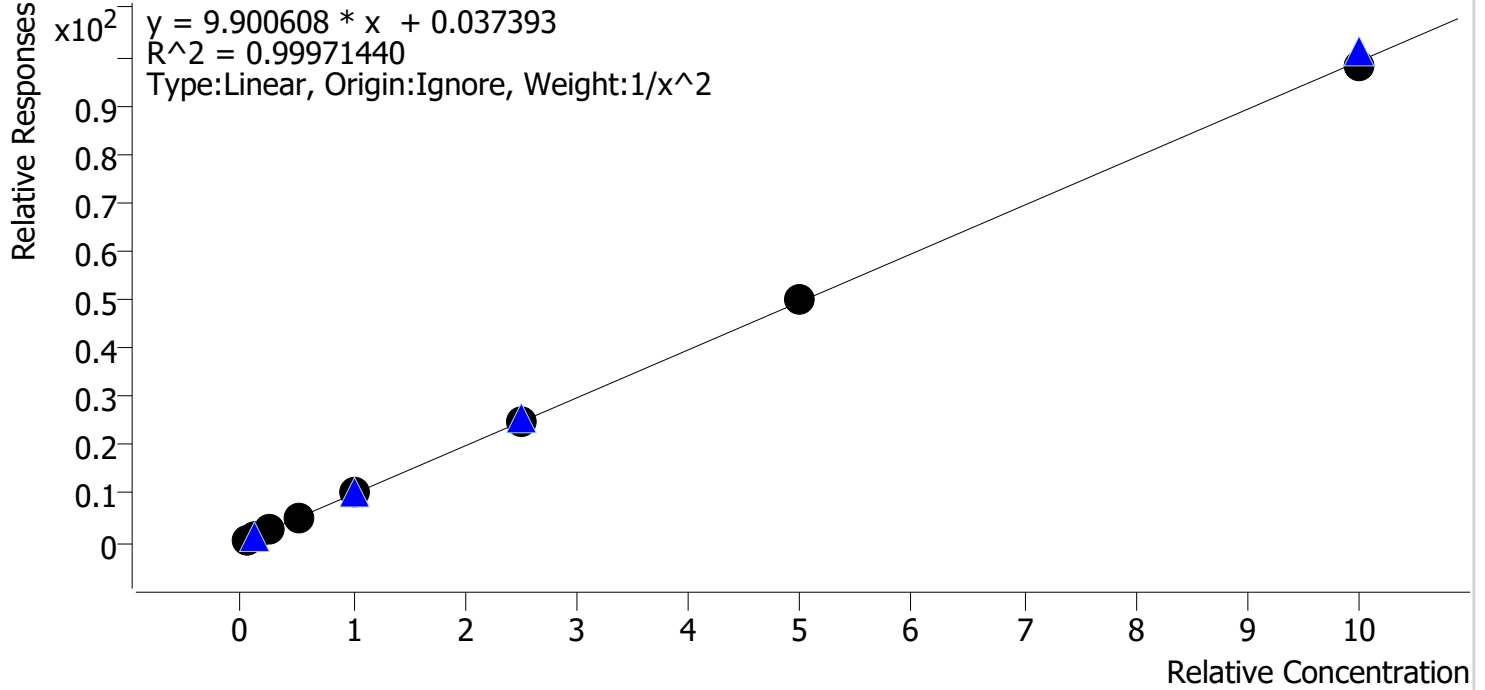
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	959.4	95.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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

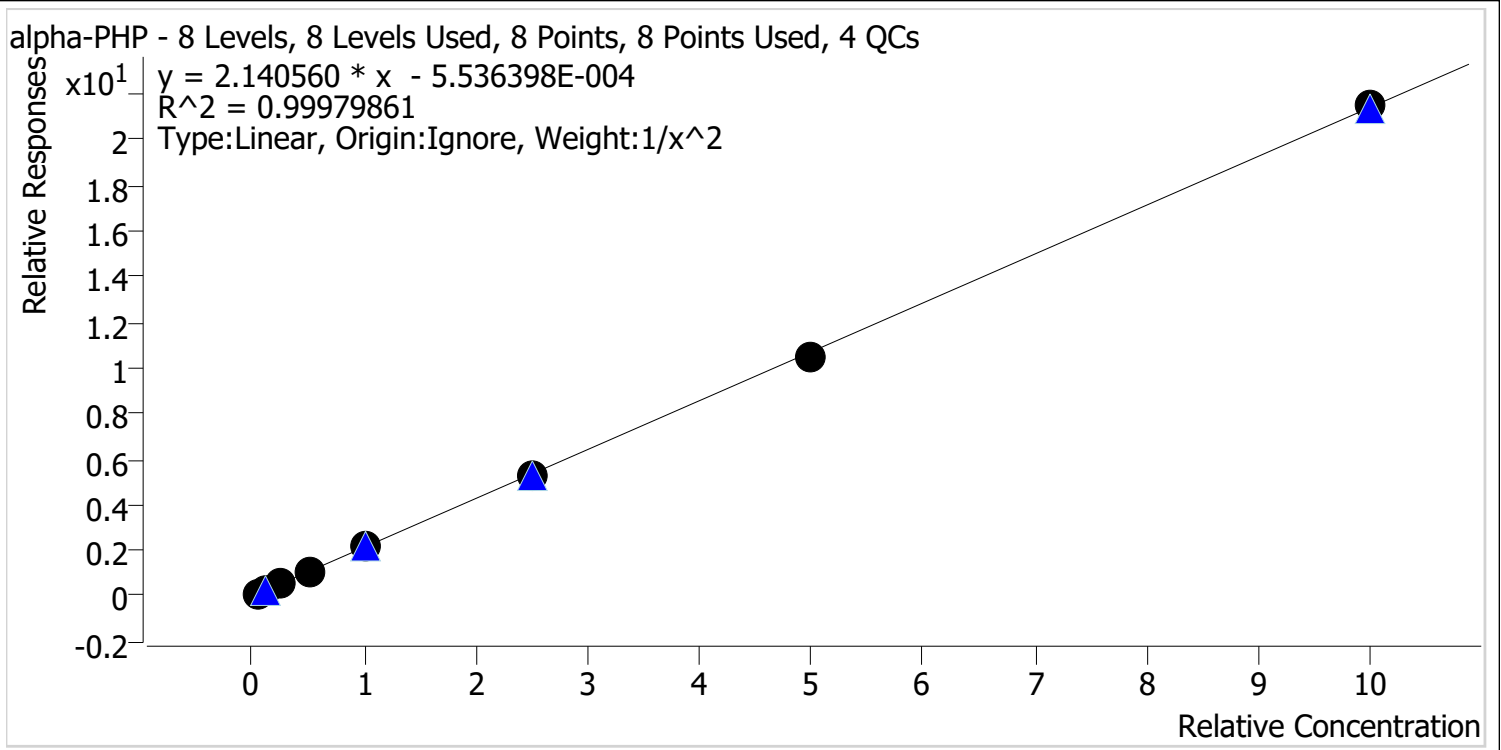


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	990.2	99.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Last Cal. Update** 1/14/2021 9:13 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** Bupropion-D9



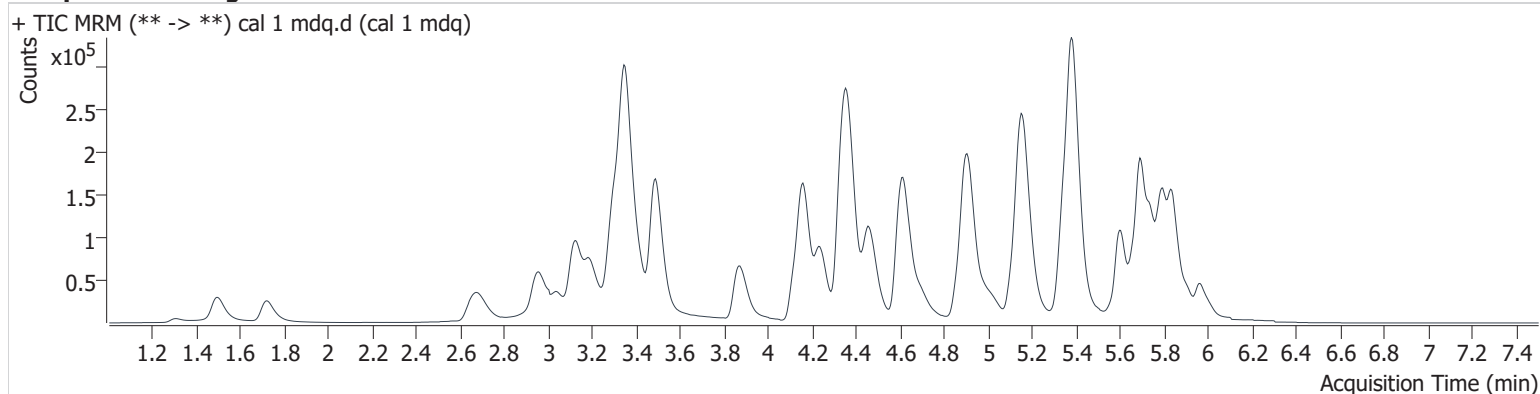
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	492.3	98.5
cal 8 mdq	8	✓	1000.0	1003.7	100.4

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 1 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 1 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 4:52:18 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	663	1337.8	71.9	581.5	30649	0.524 ng/ml
7-aminoclonazepam	4.364	12373	49.4	92.8	744.8	98880	5.045 ng/ml
a-hydroxyalprazolam	5.738	2427	3050.4	67.1	3066.5	27370	4.663 ng/ml
alpha-PHP	5.031	26405	5254.0	38.8	535.4	248633	4.987 ng/ml
alpha-PVP	4.469	41364	2578.5	53.4	912.7	340256	4.992 ng/ml
Alprazolam	5.807	15050	363.0	123.2	531.7	119706	5.113 ng/ml
Amphetamine	3.197	114206	2728.5	47.3	413.7	235353	4.730 ng/ml
Bupropion	4.888	38837	7954.6	63.2	216.6	248633	5.003 ng/ml
Carisoprodol	5.752	10798	721.3	68.6	68.5	102085	5.010 ng/ml
Citalopram	5.328	25429	465.0	38.7	20964.9	203074	5.079 ng/ml
Clonazepam	5.661	16558	652.9	31.8	1372.0	49997	4.983 ng/ml
Cocaine	4.368	32330	345.9	46.4	596.3	455529	4.971 ng/ml
Codeine	2.720	3673	5829.6	107.4	125.3	38893	4.871 ng/ml
Cyclobenzaprine	5.674	22062	53730.7	8.5	345.9	135149	5.035 ng/ml
Dextromethorphan	5.367	19065	237.6	78.6	8002.5	166625	5.025 ng/ml
Dextrorphan	4.237	10368	21811.3	222.2	36215.9	251149	4.975 ng/ml
Diazepam	5.973	10311	400.3	96.8	1477.6	104040	5.041 ng/ml
Dihydrocodeine	2.684	10251	14418.5	59.0	734.4	108959	5.076 ng/ml
Diphenhydramine	5.389	76327	2083.1	32.4	6623.4	761842	5.007 ng/ml
Doxylamine	4.620	82888	5776.4	97.8	112533.1	642641	5.049 ng/ml
EDDP	5.351	13748	15079.0	223.7	1147.2	293651	5.035 ng/ml
Fentanyl	5.167	2894	80.7	73.7	2838.4	209688	0.523 ng/ml
Fluoxetine	5.739	18234	19335.6	7.8	1271.7	115565	4.427 ng/ml
Hydrocodone	3.153	16252	2558.7	35.6	267.9	168960	5.194 ng/ml
Hydromorphone	1.727	14251	2704.3	68.2	901.7	87299	4.946 ng/ml
Ketamine	4.137	28221	1239.8	37.3	85.1	238441	4.980 ng/ml
Lamotrigine	4.416	2208	313.3	94.6	2541.7	274927	4.782 ng/ml
Lorazepam	5.785	15418	552.3	46.3	86.2	214426	5.039 ng/ml
MDA	3.344	43980	637.3	24.8	321.7	274927	5.040 ng/ml
MDMA	3.425	27565	57242.0	93.4	1088.8	51275	5.052 ng/ml
Meprobamate	5.017	9882	22875.1	29.1	146.0	71322	4.925 ng/ml
Methadone	5.698	46847	3328.7	55.6	741.4	415268	5.123 ng/ml
Methamphetamine	3.354	194006	∞	238.4	∞	510076	36.824 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.421	5291	54.8	97.3	1046.5	274927	4.966 ng/ml
Mirtazapine	4.697	46274	603.3	49.6	27067.8	262672	5.002 ng/ml
Mitragynine	5.307	8584	7503.9	28.0	9479.4	262672	5.334 ng/ml
Morphine	1.311	2078	2150.4	17.8	99.7	5426	5.093 ng/ml
Nordiazepam	5.912	9140	9795.1	60.3	925.4	62524	5.117 ng/ml
Norfentanyl	4.193	798	18.3	266.5	53.0	507889	0.522 ng/ml
Noroxycodone	3.061	13910	72.2	45.4	111.1	101902	4.961 ng/ml
O-desmethyl-tramadol	3.491	53901	19736.9	7.1	383.9	554347	5.017 ng/ml
Oxazepam	5.792	19929	386.2	84.5	39.3	214426	4.982 ng/ml
Oxycodone	2.978	30693	687.3	29.7	9813.3	254413	4.965 ng/ml
Oxymorphone	1.494	16791	1268.6	44.4	157.7	126752	4.971 ng/ml
Phentermine	3.898	10148	∞	10.3 <b>High</b>	32.7	262672	4.907 ng/ml
Promethazine	5.601	29799	38012.8	39.9	430.8	283006	5.165 ng/ml
Quetiapine	5.572	18194	1755.9	56.1	11584.6	46920	4.978 ng/ml
Temazepam	5.844	32061	287.6	30.6	92.1	306625	5.012 ng/ml
Tramadol	4.349	69202	1139.1	3.9	19.0	651627	4.959 ng/ml
Trazodone	5.157	31250	1187.3	72.5	975.3	276922	4.937 ng/ml
Venlafaxine	5.149	39144	795.3	43.5	384.4	594204	5.173 ng/ml
Zolpidem	4.921	67459	1976.5	30.8	1537.7	581375	5.029 ng/ml

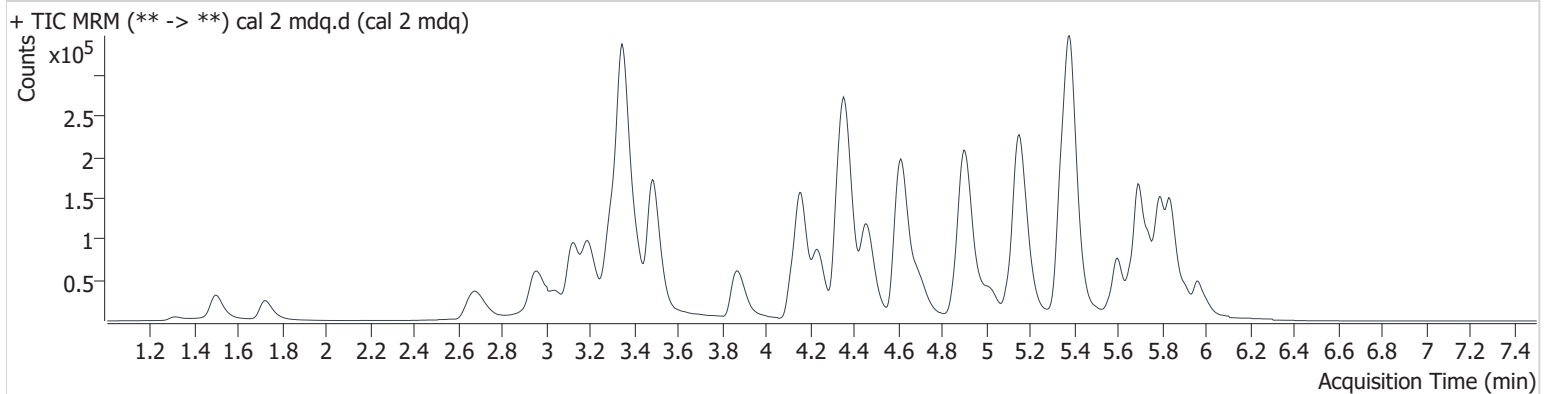


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

**Instrument** 69679 **Data File** cal 2 mdq.d  
**Type** Cal **Sample** cal 2 mdq  
**Acq. Method** MDQP1 5-27-20.m **Operator** Anne Nord  
**Sample Position** P2-B5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/13/2021 5:01:20 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	1136	1827.7	81.6	278.9	28632	0.964 ng/ml
7-aminoclonazepam	4.359	17513	523.7	98.9	1095.4	73717	9.678 ng/ml
a-hydroxyalprazolam	5.733	5288	629.0	54.7	4393.5	24168	11.611 ng/ml
alpha-PHP	5.031	47675	4608.6	39.2	787.5	222078	10.055 ng/ml
alpha-PVP	4.464	76342	438.4	51.3	1133.0	312729	10.048 ng/ml
Alprazolam	5.802	27047	465.2	120.0	365.2	108471	9.798 ng/ml
Amphetamine	3.197	196855	1934.1	46.3	863.4	222484	10.708 ng/ml
Bupropion	4.888	66530	5233.3	66.4	591.1	222078	9.917 ng/ml
Carisoprodol	5.757	18864	449.4	67.6	323.6	91704	9.911 ng/ml
Citalopram	5.328	39985	346.8	39.1	20466.4	172572	9.680 ng/ml
Clonazepam	5.661	27970	6119.0	31.6	19891.7	44998	9.857 ng/ml
Cocaine	4.363	59425	288.3	45.5	635.5	423760	10.039 ng/ml
Codeine	2.720	6868	1360.6	113.8	8233.1	34240	10.560 ng/ml
Cyclobenzaprine	5.669	20575	17267.6	8.6	2129.7	66396	9.783 ng/ml
Dextromethorphan	5.362	29613	211.5	79.3	29931.3	136526	10.028 ng/ml
Dextrorphan	4.237	18769	21077.2	220.9	42931.2	225405	10.121 ng/ml
Diazepam	5.968	18393	876.3	89.4	546.3	93527	9.699 ng/ml
Dihydrocodeine	2.689	17657	3607.2	61.1	2521.6	99732	9.567 ng/ml
Diphenhydramine	5.389	129275	19286.6	28.8	8334.1	657926	10.027 ng/ml
Doxylamine	4.620	162378	2507.7	94.7	2205.9	640045	9.935 ng/ml
EDDP	5.346	37358	321.1	230.1	476.9	415899	9.784 ng/ml
Fentanyl	5.188	3390	71.5	72.4	2943.9	150142	0.954 ng/ml
Fluoxetine	5.740	11865	397.0	9.4	1089.0	36840	10.617 ng/ml
Hydrocodone	3.147	28918	678.7	36.3	161.7	166853	9.309 ng/ml
Hydromorphone	1.727	23027	2681.9	68.0	2533.0	68580	10.371 ng/ml
Ketamine	4.137	50209	2244.6	38.1	151.3	217472	10.040 ng/ml
Lamotrigine	4.422	4285	167.4	87.0	3165.8	248034	10.632 ng/ml
Lorazepam	5.780	24980	559.0	49.1	155.7	198093	9.684 ng/ml
MDA	3.339	74525	2335.7	26.3	419.6	248034	9.708 ng/ml
MDMA	3.425	47074	281.0	98.0	531.3	47039	9.730 ng/ml
Meprobamate	5.012	17057	4634.7	29.8	180.6	63048	10.029 ng/ml
Methadone	5.693	71399	11151.6	51.7	4179.8	346761	9.622 ng/ml
Methamphetamine	3.349	231660	1886.1	236.0	∞	458256	53.290 ng/ml



# AM #28 Multi-Drug Quant. Results

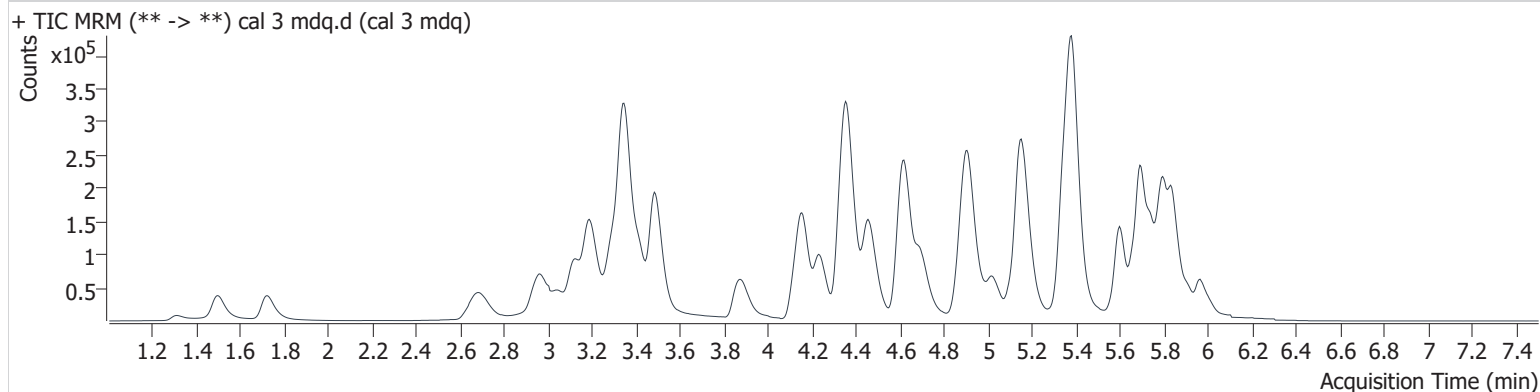
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.415	9251	9799.0	100.0	124.6	248034	10.055 ng/ml
Mirtazapine	4.697	85351	567.1	45.8	948.2	235080	10.188 ng/ml
Mitragynine	5.307	12259	3107.8	29.3	1932.5	235080	8.701 ng/ml
Morphine	1.316	2816	63.9	20.3	541.9	3931	9.509 ng/ml
Nordiazepam	5.917	16575	3252.3	60.0	18665.0	61436	9.591 ng/ml
Norfentanyl	4.183	1260	353.3	301.6	155.0	467212	0.936 ng/ml
Noroxycodone	3.055	25561	440.7	43.4	741.1	93019	10.087 ng/ml
O-desmethyl-tramadol	3.491	98338	625.1	6.6	345.6	514104	9.905 ng/ml
Oxazepam	5.792	36526	1318.4	71.8	629.7	198093	10.012 ng/ml
Oxycodone	2.973	58706	1016.2	26.2	20161.8	239574	10.092 ng/ml
Oxymorphone	1.499	29877	168.3	43.4	316.0	115731	9.974 ng/ml
Phentermine	3.898	18497	127.7	9.2	97.9	235080	10.070 ng/ml
Promethazine	5.601	28693	17084.4	38.7	158.5	147060	9.422 ng/ml
Quetiapine	5.577	31000	4282.5	57.4	883.2	41605	10.055 ng/ml
Temazepam	5.844	58525	1268.2	28.7	130.4	278213	9.958 ng/ml
Tramadol	4.344	122783	196065.5	3.2	44.5	602161	9.924 ng/ml
Trazodone	5.157	47073	55121.7	75.1	17595.4	214836	10.096 ng/ml
Venlafaxine	5.149	68856	101470.1	42.8	372.0	546172	9.698 ng/ml
Zolpidem	4.921	124954	1674.2	31.7	562.8	542131	10.012 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 5:10:21 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	2334	3502.5	80.6	1725.0	24091	2.360 ng/ml
7-aminoclonazepam	4.359	53215	10034.4	93.0	800.6	85435	25.553 ng/ml
a-hydroxyalprazolam	5.733	9971	1900.2	66.3	11609.1	22728	23.355 ng/ml
alpha-PHP	5.026	109842	10683.7	38.9	1972.6	207393	24.769 ng/ml
alpha-PVP	4.464	171261	3553.2	51.7	918.1	285176	24.752 ng/ml
Alprazolam	5.802	59893	4216.8	120.1	2872.8	97177	23.707 ng/ml
Amphetamine	3.191	393101	1762.7	43.7	2648.3	193234	27.907 ng/ml
Benzoylcegonine	3.986	3274	10023.4	6.2	74.8	5208	25.408 ng/ml
Buprenorphine	5.696	1521	150.0	18.5	429.0	23239	2.500 ng/ml
Bupropion	4.883	154885	4992.5	65.9	1164.5	207393	25.245 ng/ml
Carisoprodol	5.757	42248	3050.8	70.7	521.0	82513	24.936 ng/ml
Citalopram	5.328	94669	683.8	40.4	44811.9	163444	24.695 ng/ml
Clonazepam	5.661	63489	6520.3	31.8	23235.3	40680	25.620 ng/ml
Cocaine	4.363	132232	235099.5	46.4	3934.6	379084	25.301 ng/ml
Codeine	2.710	14128	3022.6	118.5	26681.8	31051	24.193 ng/ml
Cyclobenzaprine	5.669	75459	77923.1	8.1	8503.0	96873	24.969 ng/ml
Dextromethorphan	5.362	71235	467.7	78.3	77566.2	141795	23.964 ng/ml
Dextrorphan	4.237	41309	73589.1	219.9	4017.4	204847	24.633 ng/ml
Diazepam	5.968	44504	967.0	85.7	2849.8	83327	25.811 ng/ml
Dihydrocodeine	2.684	41545	17505.9	56.5	2381.9	89381	25.143 ng/ml
Diphenhydramine	5.389	302220	2185.4	30.8	13565.6	630055	24.788 ng/ml
Doxylamine	4.620	326817	519.0	99.7	32369.3	530996	24.105 ng/ml
EDDP	5.351	78643	111220.7	226.5	476544.2	342027	25.256 ng/ml
Fentanyl	5.178	7874	209.4	82.1	8754.4	164784	2.190 ng/ml
Fluoxetine	5.745	56143	1679.9	7.6	5407.2	78542	25.416 ng/ml
Hydrocodone	3.147	64470	607.3	35.0	2201.4	143428	24.044 ng/ml
Hydromorphone	1.722	57069	7781.4	71.8	5683.5	71384	24.952 ng/ml
Ketamine	4.137	113483	5407.8	39.2	216.7	200661	25.091 ng/ml
Lamotrigine	4.416	9492	10763.0	87.4	11458.7	224850	26.411 ng/ml
Lorazepam	5.780	53549	1250.5	49.1	192.6	177099	24.792 ng/ml
MDA	3.338	174537	4283.9	24.7	1018.5	224850	25.515 ng/ml
MDMA	3.420	110775	239032.9	95.1	3567.5	43905	25.106 ng/ml
Meprobamate	5.012	40141	1102.4	28.8	648.6	59522	25.649 ng/ml



# AM #28 Multi-Drug Quant. Results

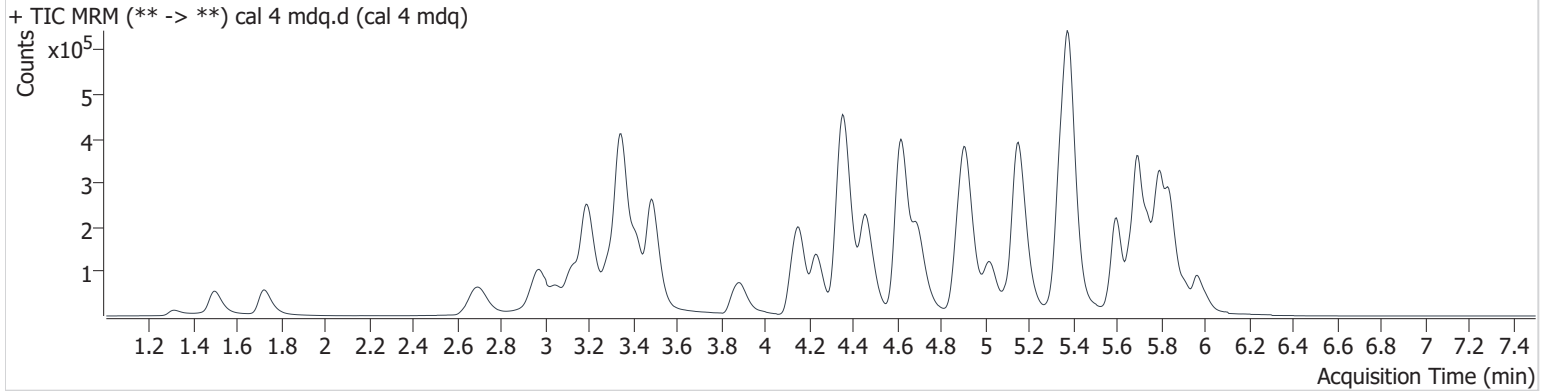
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	173484	7436.3	55.2	2544.4	336705	24.573 ng/ml
Methamphetamine	3.354	187633	836.8	247.4	∞	431792	43.953 ng/ml
Metoprolol	4.421	20556	48804.0	95.1	420.5	224850	25.313 ng/ml
Mirtazapine	4.697	189800	239070.5	47.7	4006.8	219719	24.084 ng/ml
Mitragynine	5.296	30904	54695.1	32.5	7038.2	219719	24.008 ng/ml
Morphine	1.311	8020	947.5	19.6	641.3	4342	24.483 ng/ml
Nordiazepam	5.917	36299	2515.4	63.8	24031.5	53840	24.229 ng/ml
Norfentanyl	4.183	2803	44.0	303.1	132.3	422879	2.382 ng/ml
Noroxycodone	3.055	57201	1613.8	43.7	3666.4	84318	25.048 ng/ml
O-desmethyl-tramadol	3.486	220013	29997.7	6.7	1108.4	452831	25.214 ng/ml
Oxazepam	5.792	81350	337.7	83.1	192.2	177099	25.137 ng/ml
Oxycodone	2.968	126587	1966.7	27.8	3651.8	207265	25.167 ng/ml
Oxymorphone	1.499	64260	933.7	44.1	2817.8	98854	25.575 ng/ml
Phentermine	3.892	41785	376.8	8.0	24.5	219719	24.445 ng/ml
Promethazine	5.601	113033	79644.7	38.1	1089.6	221014	24.415 ng/ml
Quetiapine	5.577	67002	1087.8	60.3	2509.0	38386	24.267 ng/ml
Temazepam	5.844	134309	618.1	29.6	127.2	251868	25.051 ng/ml
Tramadol	4.344	276522	137982.0	3.4	130.1	537203	25.721 ng/ml
Trazodone	5.157	118283	846.4	73.4	5353.5	221489	25.386 ng/ml
Venlafaxine	5.144	151840	342139.6	42.8	758.2	495899	23.240 ng/ml
Zolpidem	4.916	272110	4922.0	31.4	1807.9	487864	24.263 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 4 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 4 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 5:19:22 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	5189	7983.8	74.9	558.8	24610	5.141 ng/ml
7-aminoclonazepam	4.359	95721	1874.3	96.0	850.7	76748	51.278 ng/ml
a-hydroxyalprazolam	5.733	20758	845.8	63.3	11447.4	21877	50.598 ng/ml
alpha-PHP	5.026	230535	14778.9	39.5	4304.7	213277	50.523 ng/ml
alpha-PVP	4.464	350980	3739.4	52.1	2994.7	285526	50.688 ng/ml
Alprazolam	5.802	125301	42473.2	115.2	3055.9	95566	50.040 ng/ml
Amphetamine	3.191	681785	4398.5	44.3	2375.3	198796	48.782 ng/ml
Benzoylcegonine	3.986	6175	986.5	8.0	8.9 <b>Low</b>	4757	50.579 ng/ml
Buprenorphine	5.696	3222	141.5	15.3	768.9	25533	4.897 ng/ml
Bupropion	4.883	316217	2879.9	66.6	4049.6	213277	50.465 ng/ml
Carisoprodol	5.752	86213	730.3	71.4	1467.1	82034	51.369 ng/ml
Citalopram	5.328	206505	3847.5	39.4	112857.3	173099	51.214 ng/ml
Clonazepam	5.661	126917	13219.5	31.8	169.9	40957	51.436 ng/ml
Cocaine	4.363	264999	22558.3	47.2	2098.9	380672	50.713 ng/ml
Codeine	2.715	29985	659.9	110.8	1920.3	30439	52.601 ng/ml
Cyclobenzaprine	5.669	161879	194982.5	7.8	13955.6	100594	51.851 ng/ml
Dextromethorphan	5.362	152423	209298.9	78.5	308.5	142501	51.656 ng/ml
Dextrorphan	4.232	86973	108407.1	222.1	297850.2	208436	51.060 ng/ml
Diazepam	5.968	90909	4347.0	89.5	20915.3	85853	50.870 ng/ml
Dihydrocodeine	2.684	85053	22834.5	57.6	3951.3	88299	52.121 ng/ml
Diphenhydramine	5.383	639821	1103169.8	30.4	58042.6	664757	49.956 ng/ml
Doxylamine	4.620	695826	16212.6	96.7	13831.4	538728	50.589 ng/ml
EDDP	5.346	172461	254198.3	221.4	8591.3	372802	50.949 ng/ml
Fentanyl	5.172	18699	421.3	75.1	19084.3	177836	5.004 ng/ml
Fluoxetine	5.745	101404	4062.4	7.5	296.0	72089	51.486 ng/ml
Hydrocodone	3.142	136226	1347.5	35.1	48.1	144547	50.342 ng/ml
Hydromorphone	1.722	102748	2052.0	75.0	10486.7	69132	46.548 ng/ml
Ketamine	4.137	230724	5278.8	38.6	1141.1	204283	50.451 ng/ml
Lamotrigine	4.416	18351	619.2	89.8	385.0	226882	50.880 ng/ml
Lorazepam	5.780	112690	1681.3	46.9	482.1	178294	53.048 ng/ml
MDA	3.338	350774	717.6	24.7	1710.5	226882	51.091 ng/ml
MDMA	3.420	224471	596441.3	95.0	770.4	44030	51.115 ng/ml
Meprobamate	5.012	81675	21381.6	28.5	624.2	58578	53.492 ng/ml



# AM #28 Multi-Drug Quant. Results

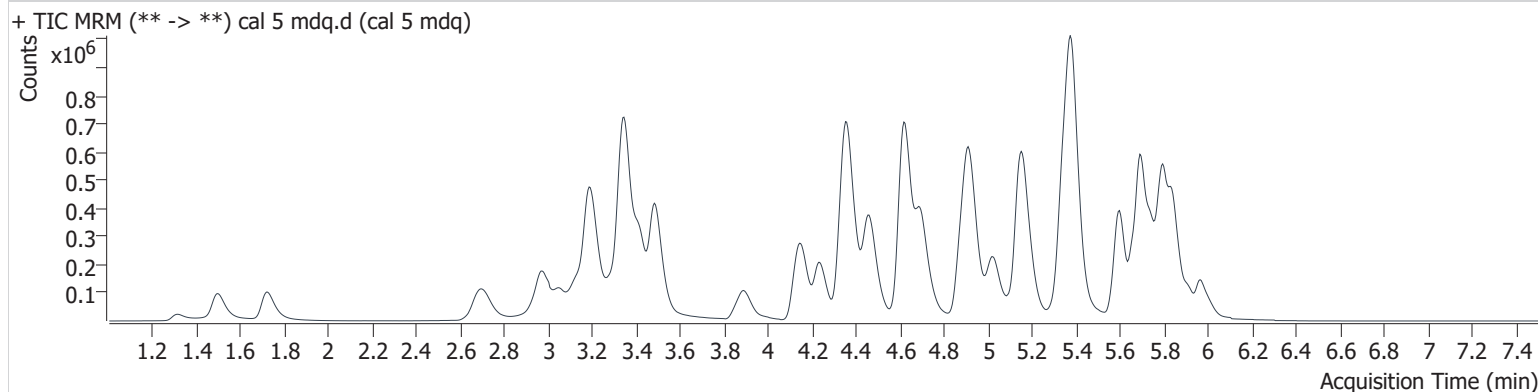
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	378878	710580.8	50.6	187.4	369176	49.273 ng/ml
Methamphetamine	3.349	204234	1605.2	244.0	∞	431971	48.985 ng/ml
Metoprolol	4.421	41253	58673.7	97.8	4845.1	226882	50.798 ng/ml
Mirtazapine	4.697	393295	6020.1	48.3	38771.3	220424	49.625 ng/ml
Mitragynine	5.302	66316	112058.8	30.6	32144.5	220424	51.715 ng/ml
Morphine	1.311	15905	3473.1	18.6	799.2	3809	55.325 ng/ml
Norbuprenorphine	5.094	465	77.3	92.0	742.4	5136	4.970 ng/ml
Nordiazepam	5.917	74548	8177.9	62.2	1327.4	53115	50.627 ng/ml
Norfentanyl	4.183	5663	3339.2	299.4	268.0	426587	4.827 ng/ml
Noroxycodone	3.055	116589	846.6	44.4	1426.9	83366	51.743 ng/ml
O-desmethyl-tramadol	3.486	440938	1914.0	6.5	1169.1	457628	50.038 ng/ml
Oxazepam	5.787	165265	12182.0	72.9	2536.8	178294	50.857 ng/ml
Oxycodone	2.973	258589	2272.9	29.5	3147.6	211907	50.292 ng/ml
Oxymorphone	1.494	127144	9620.0	44.0	6077.4	98308	51.184 ng/ml
Phentermine	3.892	86147	182.0	8.3	453.2	220424	50.315 ng/ml
Promethazine	5.601	238563	12017.3	39.8	2262.2	224210	50.607 ng/ml
Quetiapine	5.577	148579	159113.9	56.7	108702.7	39669	52.680 ng/ml
Temazepam	5.844	272017	1029.7	30.4	200.1	256271	49.740 ng/ml
Tramadol	4.344	564002	9766.3	3.5	161.5	537888	52.848 ng/ml
Trazodone	5.152	254432	2135.1	75.1	17420.1	234626	52.109 ng/ml
Venlafaxine	5.144	317909	1109559.5	43.5	216.0	499210	48.097 ng/ml
Zolpidem	4.916	572245	6035.3	31.3	4096.5	497011	50.112 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-E5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 5:28:24 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	10710	569.5	73.8	4802.7	25416	10.278 ng/ml
7-aminoclonazepam	4.359	192842	5235.9	93.2	1422.6	79102	100.337 ng/ml
a-hydroxyalprazolam	5.733	40095	2725.8	63.3	22271.6	21638	98.881 ng/ml
alpha-PHP	5.026	466838	237025.7	39.1	5832.7	213787	102.039 ng/ml
alpha-PVP	4.459	709729	9074.0	51.4	1765.5	292956	99.921 ng/ml
Alprazolam	5.802	243371	302.0	115.6	11241.5	98927	93.587 ng/ml
Amphetamine	3.191	1355637	21350.8	45.2	6482.3	204935	96.440 ng/ml
Benzoylcegonine	3.981	12208	4281.0	8.0	75.1	4919	95.077 ng/ml
Buprenorphine	5.691	6897	290.2	15.0	1148.6	25992	10.386 ng/ml
Bupropion	4.883	634312	60660.8	66.0	14111.2	213787	101.338 ng/ml
Carisoprodol	5.757	169221	3558.5	71.2	1520.3	81969	101.080 ng/ml
Citalopram	5.323	399970	6075.6	40.8	404691.4	172080	100.095 ng/ml
Clonazepam	5.661	249355	255745.3	32.0	94306.5	39402	105.644 ng/ml
Cocaine	4.363	530356	290992.0	46.2	44986.2	383385	100.996 ng/ml
Codeine	2.715	58868	1754.3	114.3	1969.0	31790	99.045 ng/ml
Cyclobenzaprine	5.669	349324	542613.0	7.9	707.0	113416	99.469 ng/ml
Dextromethorphan	5.362	301095	20708.9	76.8	435549.5	151171	96.672 ng/ml
Dextrorphan	4.232	171712	256524.1	221.0	2025.4	210603	99.853 ng/ml
Diazepam	5.968	176558	5342.2	86.9	1650.2	86525	97.743 ng/ml
Dihydrocodeine	2.684	172324	9036.4	59.1	6608.2	90778	102.735 ng/ml
Diphenhydramine	5.383	1265739	2411.4	30.1	3926.1	668211	98.524 ng/ml
Doxylamine	4.620	1407441	9288.5	96.4	46219.2	560176	98.411 ng/ml
EDDP	5.351	340109	697135.1	229.2	848316.9	375057	100.001 ng/ml
Fentanyl	5.173	40141	960.4	70.5	24629.4	189575	10.232 ng/ml
Fluoxetine	5.745	228848	459242.6	7.5	368.0	84129	100.983 ng/ml
Hydrocodone	3.142	266539	2051.8	35.6	50.4	140041	101.605 ng/ml
Hydromorphone	1.722	215747	13333.3	76.1	10353.0	69684	97.168 ng/ml
Ketamine	4.137	460252	15468.2	39.1	1684.1	204073	101.087 ng/ml
Lamotrigine	4.411	36856	1082.5	89.4	762.9	233592	99.539 ng/ml
Lorazepam	5.780	220990	7435.5	48.0	1154.0	176117	106.424 ng/ml
MDA	3.338	707912	9485.6	25.0	910.1	233592	100.412 ng/ml
MDMA	3.420	449706	101191.6	95.6	36338.6	45179	100.160 ng/ml
Meprobamate	5.012	161367	62377.8	28.7	2539.8	60226	103.193 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	764821	1170.8	54.5	1112.9	375965	97.993 ng/ml
Methamphetamine	3.349	389080	∞	238.5	∞	442332	102.496 ng/ml
Metoprolol	4.415	83983	106745.0	91.5	752.5	233592	100.895 ng/ml
Mirtazapine	4.697	802749	28446.5	46.9	12808.7	228735	97.499 ng/ml
Mitragynine	5.302	137605	137947.1	30.1	93248.4	228735	103.726 ng/ml
Morphine	1.311	30732	8826.9	21.1	1327.6	4029	101.048 ng/ml
Norbuprenorphine	5.110	1008	1052.6	99.5	205.4	5097	10.608 ng/ml
Nordiazepam	5.917	149452	190195.9	60.9	76102.8	52452	102.959 ng/ml
Norfentanyl	4.178	11821	4551.1	290.6	1586.7	435315	9.931 ng/ml
Noroxycodone	3.055	239206	3143.7	44.8	37374.5	88181	100.457 ng/ml
O-desmethyl-tramadol	3.486	905549	72194.8	6.8	2767.5	472960	99.466 ng/ml
Oxazepam	5.792	320013	1362.3	73.0	2133.3	176117	99.819 ng/ml
Oxycodone	2.968	532160	5667.4	28.6	3100.1	216834	101.153 ng/ml
Oxymorphone	1.494	264963	7819.5	44.1	10856.0	104060	101.063 ng/ml
Phentermine	3.898	176176	665.2	8.2	527.9	228735	99.230 ng/ml
Promethazine	5.601	534639	1067682.9	38.8	7672.3	258134	98.345 ng/ml
Quetiapine	5.572	296214	12702.0	58.0	304335.3	40085	104.454 ng/ml
Temazepam	5.844	539390	4235.2	29.5	1216.2	252678	99.908 ng/ml
Tramadol	4.344	1125915	83249.1	3.4	547.8	557908	102.119 ng/ml
Trazodone	5.152	517188	5843.6	76.5	298418.5	245956	101.552 ng/ml
Venlafaxine	5.144	640591	466631.3	43.8	5936.8	506850	95.238 ng/ml
Zolpidem	4.916	1127370	8131.2	31.2	3949.3	497320	98.686 ng/ml

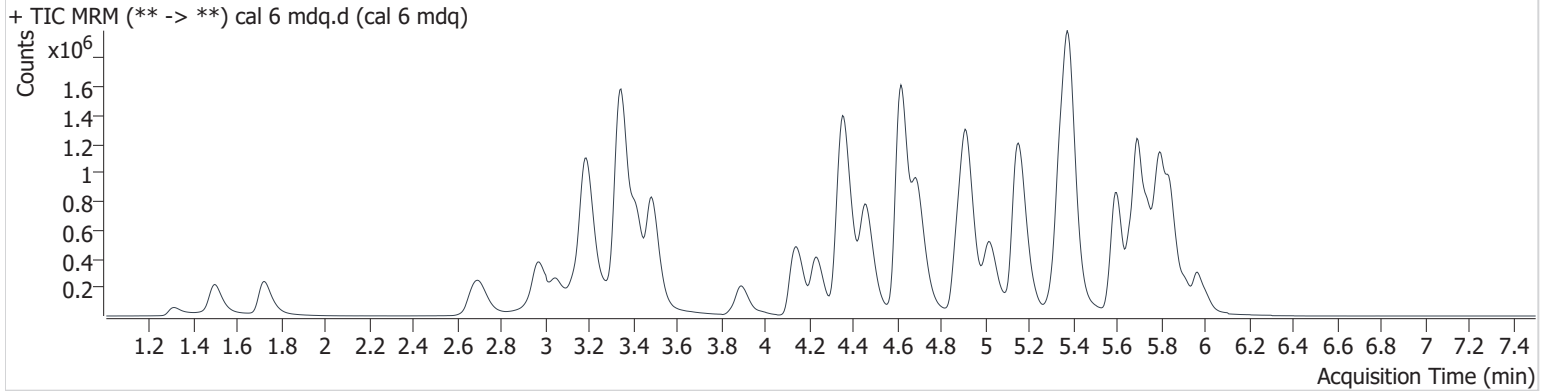


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 5:37:24 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	25938	21743.1	75.6	20755.3	25323	24.989 ng/ml
7-aminoclonazepam	4.354	504283	1304.5	91.8	997.9	82057	253.105 ng/ml
a-hydroxyalprazolam	5.733	91207	3575.9	65.4	2043.0	19898	244.705 ng/ml
alpha-PHP	5.021	1107915	16579.3	39.1	27534.0	209762	246.773 ng/ml
alpha-PVP	4.459	1685146	13468.5	52.2	18420.0	279943	248.309 ng/ml
Alprazolam	5.802	583296	18045.4	109.4	7936.1	87627	252.634 ng/ml
Amphetamine	3.186	3282711	5769.1	46.5	5399.7	193485	251.311 ng/ml
Benzoylcegonine	3.986	33389	906.3	7.6	370.0	5001	252.750 ng/ml
Buprenorphine	5.696	15489	743.8	16.9	3031.5	23988	25.389 ng/ml
Bupropion	4.878	1538599	18549.2	65.5	2176.0	209762	251.039 ng/ml
Carisoprodol	5.757	402671	8315.4	68.7	2132.7	80444	245.337 ng/ml
Citalopram	5.323	948823	1392.1	40.9	490397.4	162576	251.829 ng/ml
Clonazepam	5.656	571843	1262.1	31.9	164713.0	37249	257.100 ng/ml
Cocaine	4.358	1246508	579834.3	46.7	1067.6	367672	247.841 ng/ml
Codeine	2.710	146687	4276.7	114.0	2152.2	31269	251.205 ng/ml
Cyclobenzaprine	5.669	884765	560915.0	8.3	2011.1	115704	247.325 ng/ml
Dextromethorphan	5.362	717843	1157978.3	76.4	57135.5	140041	249.678 ng/ml
Dextrorphan	4.232	421845	788982.4	222.2	3586.3	207385	249.243 ng/ml
Diazepam	5.968	432804	2313.3	88.1	2388.6	83994	246.349 ng/ml
Dihydrocodeine	2.674	430322	4170.0	59.8	16165.8	93620	248.780 ng/ml
Diphenhydramine	5.383	3076762	262649.9	30.2	54512.0	650575	246.307 ng/ml
Doxylamine	4.615	3474944	344768.0	97.5	175225.5	545435	249.547 ng/ml
EDDP	5.346	804384	1845.9	227.1	192868.5	356191	249.238 ng/ml
Fentanyl	5.172	97103	2531.3	74.2	77324.9	189557	24.973 ng/ml
Fluoxetine	5.745	608169	204156.0	7.7	13108.7	89756	253.805 ng/ml
Hydrocodone	3.137	653279	1476.3	35.6	2089.9	127725	272.937 ng/ml
Hydromorphone	1.722	597265	6369.7	71.6	7440.0	71060	264.104 ng/ml
Ketamine	4.132	1114640	23898.6	39.3	4632.0	200510	249.667 ng/ml
Lamotrigine	4.411	87114	2507.9	92.7	7400.4	223003	246.885 ng/ml
Lorazepam	5.780	494497	8840.2	48.2	1863.7	159040	265.369 ng/ml
MDA	3.333	1696746	2182.4	25.3	1124.1	223003	252.513 ng/ml
MDMA	3.420	1096503	49727.6	95.2	57912.3	44505	248.471 ng/ml
Meprobamate	5.007	389636	883948.0	27.9	800.8	57946	259.629 ng/ml

# AM #28 Multi-Drug Quant. Results

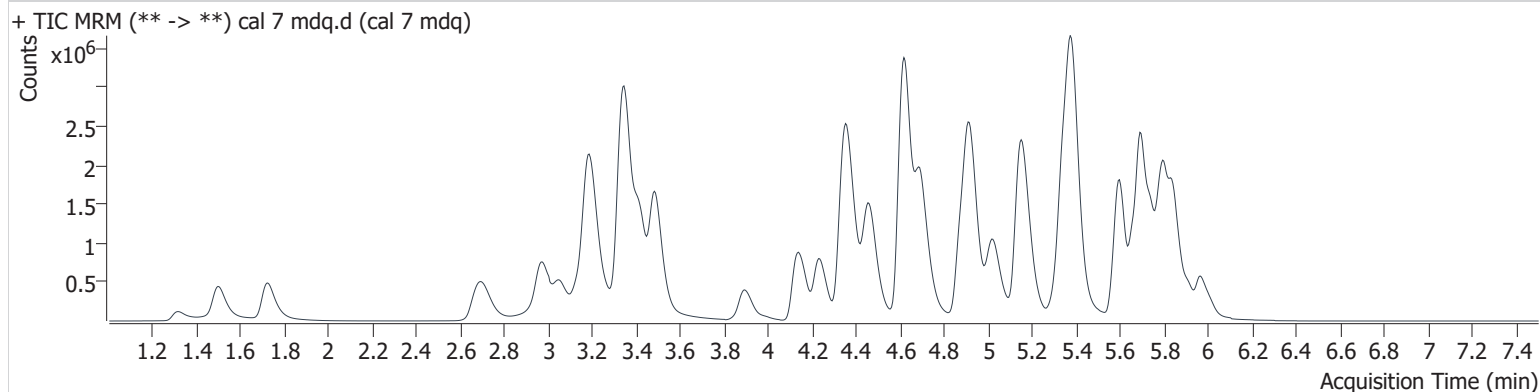
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	1900730	51890.2	52.9	41218.9	370141	247.865 ng/ml
Methamphetamine	3.344	913076	∞	238.5	5523.3	435539	262.554 ng/ml
Metoprolol	4.415	194268	264470.4	95.0	26993.8	223003	245.123 ng/ml
Mirtazapine	4.692	1975653	5712.2	47.2	21623.4	226241	242.431 ng/ml
Mitragynine	5.296	337776	2042.2	32.4	1659.9	226241	257.890 ng/ml
Morphine	1.311	88513	14199.4	18.0	4607.1	4817	243.354 ng/ml
Norbuprenorphine	5.110	2024	22.3	124.3	3638.2	5146	20.900 ng/ml
Nordiazepam	5.917	356798	337676.5	61.4	212928.3	50540	255.357 ng/ml
Norfentanyl	4.178	29588	2648.2	283.6	463.6	420512	25.822 ng/ml
Noroxycodone	3.050	610453	4522.8	45.5	6573.9	92226	245.265 ng/ml
O-desmethyl-tramadol	3.486	2219125	9113.2	7.0	12317.8	467604	246.595 ng/ml
Oxazepam	5.787	736264	16804.2	73.4	2674.6	159040	254.517 ng/ml
Oxycodone	2.968	1309055	11151.3	29.0	11377.7	213834	252.328 ng/ml
Oxymorphone	1.494	688641	16742.5	44.4	5211.8	109525	250.005 ng/ml
Phentermine	3.892	451168	3242.5	7.7	627.5	226241	257.038 ng/ml
Promethazine	5.601	1407725	1326361.6	38.9	11693.7	268313	248.855 ng/ml
Quetiapine	5.572	724226	918925.7	59.2	2085.1	40499	253.522 ng/ml
Temazepam	5.844	1303241	25598.8	30.0	3442.6	246421	247.335 ng/ml
Tramadol	4.344	2667349	231583.6	3.5	830.3	537293	251.849 ng/ml
Trazodone	5.152	1298603	147539.6	76.1	10491.3	248919	252.754 ng/ml
Venlafaxine	5.144	1594195	159014.2	42.5	21316.3	487461	246.091 ng/ml
Zolpidem	4.916	2774168	9971.5	31.0	8948.3	489436	246.789 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 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 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 5:46:24 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	55863	904.0	74.7	9045.9	27789	49.045 ng/ml
7-aminoclonazepam	4.359	926245	19282.7	90.8	6875.9	76531	498.565 ng/ml
a-hydroxyalprazolam	5.733	162714	395.7	63.0	65400.7	18167	478.228 ng/ml
alpha-PHP	5.026	2329469	517087.4	39.3	25061.5	221045	492.348 ng/ml
alpha-PVP	4.459	3496651	3750.8	52.6	7107.0	290957	495.755 ng/ml
Alprazolam	5.802	1152892	12514.8	110.4	337.8	82868	527.626 ng/ml
Amphetamine	3.186	6552631	16097.0	47.2	12094.6	200522	486.384 ng/ml
Benzoylcegonine	3.986	72196	2831.1	7.8	257.6	5349	509.148 ng/ml
Buprenorphine	5.691	30743	1840.5	14.8	2252.2	24324	49.776 ng/ml
Bupropion	4.878	3210618	23479.5	65.0	15271.0	221045	497.452 ng/ml
Carisoprodol	5.752	787954	44986.1	66.6	5916.6	76933	502.173 ng/ml
Citalopram	5.323	1816619	55695.5	41.7	1215415.0	157082	499.342 ng/ml
Clonazepam	5.656	1051213	32496.1	32.3	763230.4	36279	485.769 ng/ml
Cocaine	4.363	2457647	1727434.9	46.6	98788.2	368881	487.262 ng/ml
Codeine	2.710	293335	4447.4	120.4	9971.1	33782	465.131 ng/ml
Cyclobenzaprine	5.663	1885214	791710.2	8.4	21077.0	123653	493.356 ng/ml
Dextromethorphan	5.362	1369150	78865.8	76.6	1667.2	131647	507.153 ng/ml
Dextrorphan	4.232	891287	1330.7	222.9	274746.2	220331	495.752 ng/ml
Diazepam	5.968	900277	7810.6	87.7	4733.3	85309	504.209 ng/ml
Dihydrocodeine	2.674	922718	4752.4	60.0	23997.1	99421	502.343 ng/ml
Diphenhydramine	5.383	6314814	2972.1	30.1	6562.0	660990	497.780 ng/ml
Doxylamine	4.615	7525453	3643.8	97.0	2928.0	586493	502.596 ng/ml
EDDP	5.346	1633190	153315.3	226.8	83200.7	364972	493.999 ng/ml
Fentanyl	5.172	208507	2339.3	73.1	7013.9	198412	51.393 ng/ml
Fluoxetine	5.739	1237456	820478.2	7.6	84570.8	95191	488.328 ng/ml
Hydrocodone	3.137	1311666	2362.2	35.8	1260.5	134239	521.359 ng/ml
Hydromorphone	1.722	1172232	2786.7	77.5	13265.2	78138	471.541 ng/ml
Ketamine	4.132	2335105	47367.1	39.4	10544.5	207821	504.988 ng/ml
Lamotrigine	4.411	165108	6729.1	93.1	10978.6	215899	483.607 ng/ml
Lorazepam	5.775	874800	54082.6	48.5	5308.2	151472	493.876 ng/ml
MDA	3.333	3267641	51820.5	25.2	18147.9	215899	502.569 ng/ml
MDMA	3.420	2273370	514991.2	93.2	44070.7	45694	502.134 ng/ml
Meprobamate	5.007	756204	884645.2	28.0	25098.5	60725	481.197 ng/ml

# AM #28 Multi-Drug Quant. Results

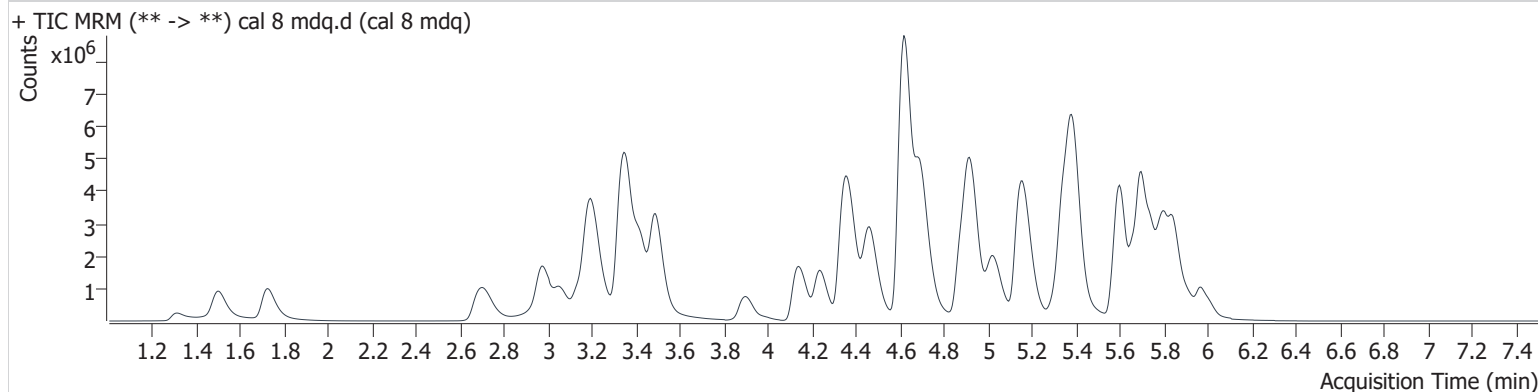
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	4132764	472964.9	51.6	61592.6	396078	503.983 ng/ml
Methamphetamine	3.344	1804892	$\infty$	244.1	$\infty$	457927	505.244 ng/ml
Metoprolol	4.415	379803	769290.1	93.9	57077.4	215899	495.463 ng/ml
Mirtazapine	4.692	4159381	32223.1	47.2	21933.9	245825	469.627 ng/ml
Mitragynine	5.296	718697	42543.5	31.4	394283.7	245825	505.311 ng/ml
Morphine	1.316	178863	11639.3	20.1	1541.2	5106	463.925 ng/ml
Norbuprenorphine	5.094	5252	852.2	100.2	12017.0	5234	52.993 ng/ml
Nordiazepam	5.917	716491	1027065.1	61.6	2219.8	51498	503.414 ng/ml
Norfentanyl	4.178	61116	5710.9	280.4	4236.3	439023	51.144 ng/ml
Noroxycodone	3.050	1277079	28683.4	44.8	1422.0	96006	492.998 ng/ml
O-desmethyl-tramadol	3.489	4889359	13260.2	6.7	52832.4	512130	496.116 ng/ml
Oxazepam	5.787	1375345	1824.5	73.6	17608.6	151472	499.318 ng/ml
Oxycodone	2.968	2775450	9758.0	29.0	11369.9	232570	491.893 ng/ml
Oxymorphone	1.494	1489550	4826.4	44.0	4989.1	120359	492.383 ng/ml
Phentermine	3.892	986142	2968.1	7.2	3097.3	245825	517.139 ng/ml
Promethazine	5.601	3213561	3617157.0	37.9	13504.0	307430	495.631 ng/ml
Quetiapine	5.572	1475434	13795.8	60.3	1465601.8	42315	494.831 ng/ml
Temazepam	5.844	2672082	91337.9	30.1	10913.9	250793	498.154 ng/ml
Tramadol	4.343	5497598	305952.8	3.5	2425.9	571517	488.405 ng/ml
Trazodone	5.152	2687681	25514.0	75.0	13793.8	262728	496.145 ng/ml
Venlafaxine	5.144	3438869	407090.4	41.9	611.9	493680	523.911 ng/ml
Zolpidem	4.919	5870512	63138.4	30.4	10913.3	508200	502.981 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\ 011321\QuantResults\mdq.batch.bin  
**Calibration Last Update** 1/14/2021 9:13:40 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 8 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 8 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-H5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/13/2021 6:04:20 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	123343	2343.5	72.6	16470.0	29885	100.698 ng/ml
7-aminoclonazepam	4.364	1823520	11487.7	88.9	12321.0	78036	962.706 ng/ml
a-hydroxyalprazolam	5.728	239959	2959.8	62.0	2735.6	12368	1035.988 ng/ml
alpha-PHP	5.029	4823893	464214.6	39.0	51446.9	224534	1003.691 ng/ml
alpha-PVP	4.464	7187793	231910.2	53.2	27019.5	293872	1009.003 ng/ml
Alprazolam	5.802	1945061	3555.9	113.5	16132.6	70440	1046.884 ng/ml
Amphetamine	3.191	12277709	279449.0	47.3	99839.1	193070	948.908 ng/ml
Benzoylcegonine	3.986	158471	19998.2	7.8	712.3	6016	992.039 ng/ml
Buprenorphine	5.696	53663	1174.4	16.2	5219.8	21786	97.086 ng/ml
Bupropion	4.878	6396901	651901.5	63.6	5312.9	224534	976.069 ng/ml
Carisoprodol	5.757	1224849	9611.3	65.7	7293.3	60949	985.498 ng/ml
Citalopram	5.323	3169562	3001.1	42.1	263734.7	137292	997.149 ng/ml
Clonazepam	5.656	1506958	14568.9	32.6	369039.7	27847	907.716 ng/ml
Cocaine	4.363	4882769	11305.5	46.2	1872666.3	357246	999.838 ng/ml
Codeine	2.720	680791	5062.2	109.4	19263.5	35603	1024.540 ng/ml
Cyclobenzaprine	5.664	4197675	940838.7	8.3	14356.9	134764	1008.212 ng/ml
Dextromethorphan	5.362	2395314	136267.4	76.5	928.6	114495	1020.746 ng/ml
Dextrorphan	4.232	1841725	1733750.3	224.5	634459.6	225867	999.381 ng/ml
Diazepam	5.968	1795119	1757.4	87.6	2561.8	85666	1000.888 ng/ml
Dihydrocodeine	2.679	1986901	147964.9	60.4	23201.1	112866	952.858 ng/ml
Diphenhydramine	5.389	12303061	5075.8	29.9	122012.8	616911	1039.348 ng/ml
Doxylamine	4.615	20636954	5648.9	96.5	4997.1	782380	1033.187 ng/ml
EDDP	5.346	3384965	3816.3	231.0	5984.5	373582	1000.409 ng/ml
Fentanyl	5.178	475701	14132.9	74.7	101143.9	217058	107.346 ng/ml
Fluoxetine	5.745	3329904	176203.8	7.8	321999.1	124670	1004.940 ng/ml
Hydrocodone	3.137	2740972	5141.2	35.8	1494.9	160515	911.084 ng/ml
Hydromorphone	1.722	2754835	19497.2	72.4	19511.6	80682	1073.456 ng/ml
Ketamine	4.137	5015908	11492.1	38.7	13321.5	232986	967.889 ng/ml
Lamotrigine	4.416	277767	13425.3	92.0	116503.7	183750	956.231 ng/ml
Lorazepam	5.775	1157706	8802.1	49.7	5081.9	115533	857.729 ng/ml
MDA	3.328	5307744	22831.9	25.5	72763.0	183750	959.420 ng/ml
MDMA	3.420	4402016	1947.7	92.1	174952.3	44885	990.205 ng/ml
Meprobamate	5.007	1364771	26872.4	27.8	6121.8	59716	883.489 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	8812470	138644.5	49.0	121833.2	399613	1065.526 ng/ml
Methamphetamine	3.349	3517200	∞	247.2	∞	488103	934.638 ng/ml
Metoprolol	4.415	647179	189373.4	96.0	5628.3	183750	992.438 ng/ml
Mirtazapine	4.698	11012891	243120.2	45.5	9169.0	267877	1140.918 ng/ml
Mitragynine	5.296	1532229	2993594.6	32.9	954076.9	267877	988.917 ng/ml
Morphine	1.311	399792	3298.8	18.9	3958.6	5126	1032.918 ng/ml
Norbuprenorphine	5.099	10362	864.1	108.0	18317.1	5205	104.939 ng/ml
Nordiazepam	5.917	1311349	1384494.0	63.4	1084394.8	48533	977.824 ng/ml
Norfentanyl	4.183	118755	100449.2	283.3	10073.0	414747	105.254 ng/ml
Noroxycodone	3.050	2437740	5815.4	46.2	7675.2	91197	990.777 ng/ml
O-desmethyl-tramadol	3.491	10908011	38870.6	6.7	104164.5	553862	1023.462 ng/ml
Oxazepam	5.787	2026635	1070.6	73.1	41027.4	115533	964.762 ng/ml
Oxycodone	2.971	6640870	3704.8	28.6	12211.3	279121	980.676 ng/ml
Oxymorphone	1.494	3467815	21059.9	43.9	34101.8	142815	966.357 ng/ml
Phentermine	3.898	1982562	28432.2	6.8	10484.6	267877	954.143 ng/ml
Promethazine	5.601	8399734	11806314.1	35.9	210727.6	373596	1065.860 ng/ml
Quetiapine	5.572	3536307	4328673.6	59.0	55503.3	54213	926.180 ng/ml
Temazepam	5.849	5098338	239876.3	30.0	13206.2	233612	1020.252 ng/ml
Tramadol	4.339	10866871	931247.2	3.4	3325.3	596943	924.679 ng/ml
Trazodone	5.155	5394511	8992.4	76.2	256857.3	282498	926.602 ng/ml
Venlafaxine	5.144	7276048	1093843.4	41.2	48678.5	488734	1119.472 ng/ml
Zolpidem	4.916	13054618	63091.9	29.3	10386.9	546408	1040.323 ng/ml