













**REVIEWED**  
By Sarah Collins at 2:56 pm, Nov 07, 2022

**REVIEWED**  
By Sarah Collins at 8:29 am, Nov 14, 2022

1/3/2022

**Worklist: 6154**

reviewed updates of 6-mam data

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2022-2351	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2359	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2380	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2383	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2390	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2391	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2393	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2412	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2423	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-2443	BCK		AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 11/2/22 Analyst: Anne Nord  
Plate lot#: 220802 Item: IDP-121-3CDA Plate re-test: 02/02/23

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

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)                      **LCMS-QQQ ID:** 69679

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 390993 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

## Post-Analytic

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

**COMMENTS:** Started run on 11/2/22 noticed some compounds had split peaks for a couple compounds in the calibrators – stopped the run repeated steps 15 and 16. 11/2/22 Prepared new mobile phases restarted run. The wrong mobile phase was prepared and used for mobile phase b did not evaluate these injections. 11/3/22 put correct mobile phase b on instrument and re-injected the run, these injections were evaluated.

**Curve limits:** 7-aminoclonazepam 5-500 dropped cal 8 due to accuracy  
Amphetamine 5-250 dropped cal 7 and 8 due to accuracy  
Chlorpheniramine 25-1000 dropped cal 1 and 2 due to poor response on qualifier peak.  
Dihydrocodeine 5-500 dropped cal 8 due to accuracy  
Lamotrigine 5-500 dropped cal 8 due to accuracy  
MDA 5-500 dropped cal 8 due to accuracy  
Meprobamate 5-500 dropped cal 8 due to accuracy  
Phentermine 5-500 dropped cal 8 due to accuracy

*Did not evaluate: Benzoylcegonine due to interfering peak in qualifier ion.  
Chlordiazepoxide due to rising ratios, DMT due to rising ratios, Norhydrocodone due to rising ratios*

**Idaho State Police  
Forensic Services**

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

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

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

Requestor/Discipline: Celena Shrum/Toxicology

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

Temporary or Permanent Deviation: Permanent

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

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

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

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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



	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	2383-1									
B	IS + Cal. 2	IS + QC_2	2393-1									
C	IS + Cal. 3	IS + QC 3	2391-1									
D	IS + Cal. 4	IS + QC_4	2380-1									
E	IS + Cal. 5		2390-1									
F	IS + Cal. 6	negative blood	2412-1									
G	IS + Cal. 7	2351-1	2423-1									
H	IS + Cal. 8	2359-1	2443-1									

blank in front

plate position 2

c2022-\_\_-\_\_

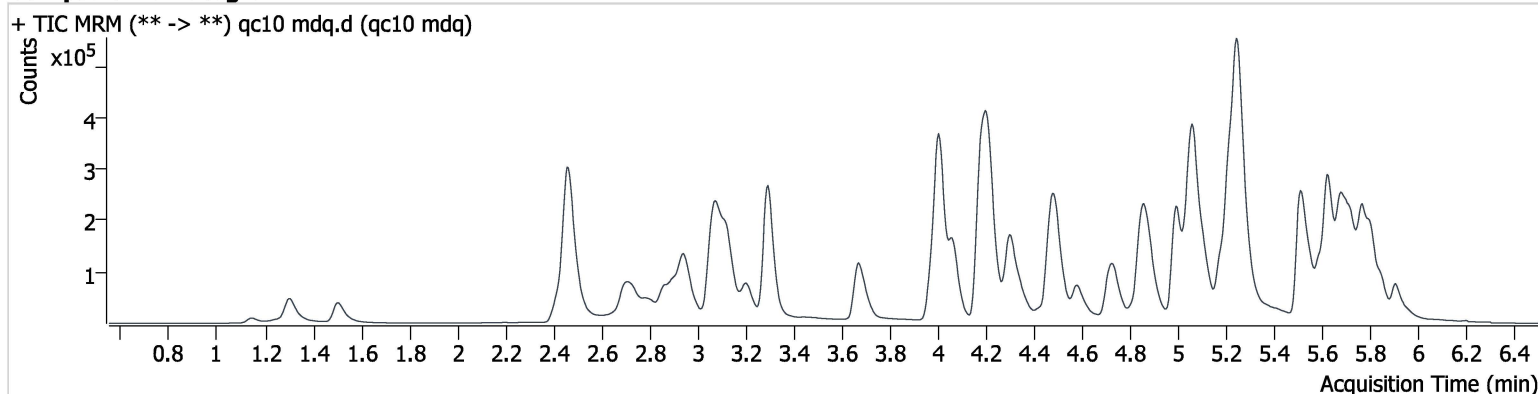


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** qc10 mdq.d  
**Type** QC **Sample** qc10 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-A2 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 10:20:34 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
<del>6-MAM</del>	3.062	1679	59404.8	123.95	7479.3	41086	10.145	ng/ml concentration corrected and reprinted.
7-aminoclonazepam	4.196	18857	1358.1	115.75	3037.9	90889	10.390	ng/ml
a-hydroxyalprazolam	5.650	4845	∞	63.52	949.3	347169	10.936	ng/ml
alpha-PHP	4.884	28120	2008.0	249.22	4857.4	358043	10.285	ng/ml
alpha-PVP	4.311	97561	11601.1	54.13	11613.3	358043	9.608	ng/ml
Alprazolam	5.729	46559	472.9	90.01	4644.9	160933	10.100	ng/ml
Amphetamine	2.949	80043	3022.1	270.77	2894.8	207392	10.362	ng/ml
Buprenorphine	5.809	4053	∞	12.85	741.2	43446	1.158	ng/ml
Bupropion	4.735	89003	17096.6	70.20	2000.3	255456	10.141	ng/ml
Carisoprodol	5.684	30061	75620.6	63.37	1781.5	93177	9.964	ng/ml
Chlorpheniramine	5.068	149334	137.4	0.19 <b>Low</b>	5.4 <b>Low</b>	565458	10.320	ng/ml
Citalopram	5.180	75661	1832.4	38.89	21343.7	266908	10.619	ng/ml
Clonazepam	5.567	24780	2449.5	35.56	12426.3	43522	9.946	ng/ml
Clonazepam	5.508	23028	3998.3	41.30	4614.1	43522	11.080	ng/ml
Cocaine	4.210	73524	12384.8	49.57	3353.6	576981	10.118	ng/ml
Codeine	2.478	9818	2405.1	91.99	804.8	44382	10.449	ng/ml
Cyclobenzaprine	5.595	82795	2763.9	8.15	∞	230480	10.011	ng/ml
Dextromethorphan	5.224	56978	10089.6	70.05	2102.6	255870	10.258	ng/ml
Dextrophan	4.065	63849	3398.9	43.59	2858.1	292180	10.443	ng/ml
Diazepam	5.911	27406	2542.7	87.71	1497.0	120091	10.073	ng/ml
Dihydrocodeine	2.452	23593	642.8	62.75	708.3	137031	10.040	ng/ml
Diphenhydramine	5.250	235058	∞	32.50	26626.5	1076163	9.950	ng/ml
Doxylamine	4.492	191381	4962.7	93.70	27340.4	600666	10.423	ng/ml
Duloxetine	5.620	9234	108.6	9.56	37.4	26347	9.771	ng/ml
EDDP	5.218	111712	4659.9	39.36	29331.8	499575	10.179	ng/ml
Etizolam	5.774	5098	7163.8	409.32	∞	120091	11.274	ng/ml
Fentanyl	5.056	8314	195.8	131.33	∞	376793	0.985	ng/ml
Flualprazolam	5.660	20986	∞	95.63	2744.6	160933	10.609	ng/ml
Fluorofentanyl	5.113	7029	3625.4	123.16	183.2	3830	0.972	ng/ml
Fluoxetine	5.682	73177	12195.0	6.81	726.9	214571	10.084	ng/ml
Hydrocodone	2.936	38437	3073.0	37.38	465.0	189484	10.402	ng/ml
Hydromorphone	1.512	29420	2342.1	68.15	229.3	77923	11.264	ng/ml
Hydroxyzine	5.680	42748	201.2	126.61	595.3	507448	9.825	ng/ml

# AM #28 Multi-Drug Quant. Results

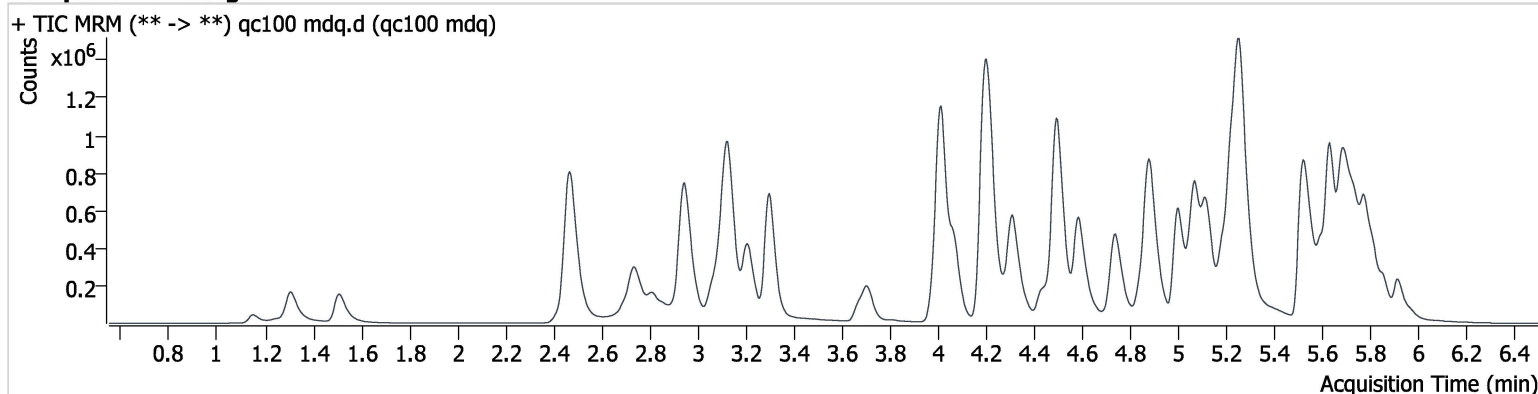
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	64803	11284.3	37.60	621.7	277947	10.102 ng/ml
Lamotrigine	4.218	6305	1253.6	88.33	∞	246044	10.745 ng/ml
Lorazepam	5.702	21503	870.4	47.32	127.6	163633	10.603 ng/ml
MDA	3.106	98737	3073.6	28.98	∞	246044	10.562 ng/ml
MDMA	3.208	62331	3248.2	107.88	10058.7	64863	9.657 ng/ml
Meprobamate	4.839	26557	2285.5	32.05	1236.2	82271	10.403 ng/ml
Methadone	5.625	148634	595472.8	49.05	2268.5	477083	10.285 ng/ml
Methamphetamine	3.127	192871	2864.4	37.70	1267.8	585205	8.449 ng/ml
Metoprolol	4.273	16847	2497.5	96.16	∞	747095	9.986 ng/ml
Mirtazapine	4.579	133547	5785.9	46.39	4393.5	64863	9.390 ng/ml
Mitragynine	5.194	23571	6838.8	29.50	6515.0	747095	9.340 ng/ml
Morphine	1.151	4634	1790.0	23.25	131.5	5861	10.563 ng/ml
Norbuprenorphine	4.942	633	1576.8	97.76	694.5	7720	1.033 ng/ml
Nordiazepam	5.855	24680	4496.4	61.58	∞	74745	10.430 ng/ml
Norfentanyl	4.025	2095	449.0	258.58	256.1	518341	0.988 ng/ml
Noroxycodone	2.813	32759	561.5	51.06	1335.8	102359	10.009 ng/ml
O-desmethyl-tramadol	3.299	149253	10508.2	6.64	2074.4	609239	9.995 ng/ml
O-Desmethylvenlafaxine	4.013	42572	439.8	242.34	714.1	142018	10.363 ng/ml
Olanzapine	4.429	38369	257.0	43.59	185.0	86375	10.791 ng/ml
Oxazepam	5.710	38492	865.9	71.06	97.1	163633	10.380 ng/ml
Oxycodone	2.731	73978	2258.9	28.79	894.1	239990	10.234 ng/ml
Oxymorphone	1.304	43684	∞	45.17	∞	140745	9.983 ng/ml
Phentermine	3.709	31410	329.0	10.35	464.1	334708	10.522 ng/ml
Promethazine	5.511	108540	∞	37.73	1604.9	507448	9.847 ng/ml
Pseudoephedrine	2.471	183626	8638.6	17.16	2533.3	747095	10.128 ng/ml
Quetiapine	5.523	66049	∞	66.63	110361.6	91117	10.487 ng/ml
Sertraline	5.750	20992	97618.0	95.81	11566.4	78913	10.155 ng/ml
Temazepam	5.771	79958	1455.1	27.51	200.2	347169	10.331 ng/ml
Tramadol	4.192	168721	12475.2	3.54	68.7	679411	10.041 ng/ml
Trazodone	5.112	83620	5211.0	78.89	∞	321803	10.262 ng/ml
Venlafaxine	4.996	112665	4398.7	47.55	1183.8	573417	9.451 ng/ml
Zolpidem	4.872	155582	9176.2	27.25	2227.6	592285	9.696 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 1:20:23 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<b>6-MAM</b>	<b>3.062</b>	<b>14608</b>	<b>32350.1</b>	<b>140.31</b>	<b>60677.3</b>	<b>37936</b>	<b>99.265</b> ng/ml
7-aminoclonazepam	4.201	167977	14486.4	113.89	12141.2	83405	108.189 ng/ml
a-hydroxyalprazolam	5.655	34695	1252.6	65.44	754.5	287159	107.838 ng/ml
alpha-PHP	4.890	243347	3966.0	252.25	10945.7	315665	103.036 ng/ml
alpha-PVP	4.316	886227	∞	53.41	27568.7	315665	98.374 ng/ml
Alprazolam	5.734	387477	∞	91.91	2052.2	137424	97.182 ng/ml
Amphetamine	2.949	632179	34166.8	261.47	36710.2	189073	101.830 ng/ml
Buprenorphine	5.814	31454	∞	17.58	5326.7	38174	9.779 ng/ml
Bupropion	4.741	790429	110146.9	72.71	19754.1	240553	96.102 ng/ml
Carisoprodol	5.690	232216	271553.9	59.97	26057.2	67916	104.775 ng/ml
Chlorpheniramine	5.073	1341422	2820.6	0.26	152.3	515345	101.185 ng/ml
Citalopram	5.185	619591	224874.4	40.18	∞	230626	101.487 ng/ml
Clonazepam	5.572	213545	9392.4	35.38	3046.8	37308	102.758 ng/ml
Clonazepam	5.513	192345	33197.5	38.90	44324.9	37308	103.340 ng/ml
Cocaine	4.215	638772	148493.6	50.23	∞	513786	100.667 ng/ml
Codeine	2.483	82067	5993.5	92.43	10658.4	37106	110.025 ng/ml
Cyclobenzaprine	5.600	767359	121666.9	7.87	182.5	217614	100.246 ng/ml
Dextromethorphan	5.229	479477	∞	78.23	∞	211865	103.789 ng/ml
Dextrophan	4.070	574942	47812.6	43.72	103131.0	262823	102.772 ng/ml
Diazepam	5.917	253742	∞	84.96	18248.9	109120	101.967 ng/ml
Dihydrocodeine	2.452	208378	1746.0	61.28	3700.7	127373	103.550 ng/ml
Diphenhydramine	5.260	2085024	89672.7	32.06	∞	967319	97.648 ng/ml
Doxylamine	4.497	1755873	∞	92.45	156826.6	563687	100.935 ng/ml
Duloxetine	5.625	92009	1562.1	10.88	1904.7	25057	105.399 ng/ml
EDDP	5.228	1004165	159967.0	42.61	293848.6	477153	98.740 ng/ml
Etizolam	5.779	43036	∞	426.64	∞	109120	104.066 ng/ml
Fentanyl	5.061	71591	2999.6	129.83	4267.1	332806	10.181 ng/ml
Flualprazolam	5.666	164096	1438.9	99.53	∞	137424	102.813 ng/ml
Fluorofentanyl	5.118	62953	559.2	120.64	347.2	3335	9.950 ng/ml
Fluoxetine	5.687	605359	80001.4	7.04	∞	177911	101.220 ng/ml
Hydrocodone	2.931	310728	5900.7	35.26	1094.0	166615	105.137 ng/ml
Hydromorphone	1.512	241565	316.0	74.97	444.1	77101	94.827 ng/ml
Hydroxyzine	5.686	393617	103769.1	121.46	1593.6	479446	101.049 ng/ml

# AM #28 Multi-Drug Quant. Results

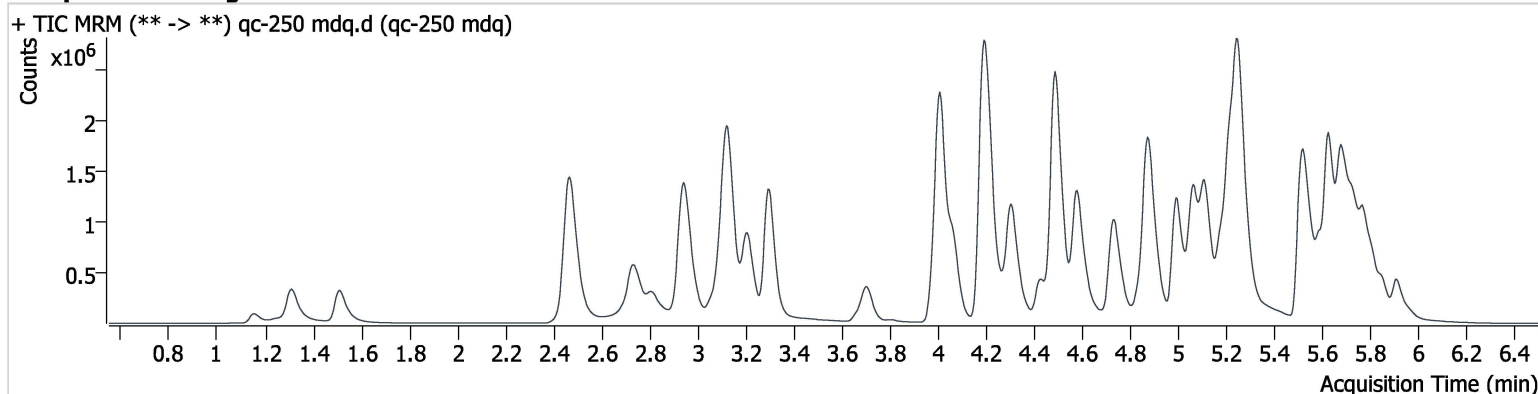
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	565222	104000.7	37.90	5669.9	249262	104.495 ng/ml
Lamotrigine	4.223	50897	42165.9	94.85	164206.3	212367	104.963 ng/ml
Lorazepam	5.713	144167	6257.2	43.62	∞	118530	107.034 ng/ml
MDA	3.106	817784	15438.4	28.11	9280.7	212367	106.972 ng/ml
MDMA	3.213	561623	1226944.5	105.81	32443.4	56000	104.666 ng/ml
Meprobamate	4.849	218462	5149.2	30.74	2015.0	70199	105.359 ng/ml
Methadone	5.630	1320366	460207.8	49.17	8802.8	438594	100.044 ng/ml
Methamphetamine	3.132	1264779	160870.0	39.73	∞	547128	104.804 ng/ml
Metoprolol	4.278	149065	54277.1	96.43	∞	660256	100.932 ng/ml
Mirtazapine	4.584	1224265	552206.9	47.53	1081541.2	56000	96.947 ng/ml
Mitragynine	5.199	201483	104186.2	29.83	109625.0	660256	88.107 ng/ml
Morphine	1.151	41368	8236.6	23.61	1207.3	5639	99.913 ng/ml
Norbuprenorphine	4.952	4777	10245.7	100.03	3395.6	7395	9.835 ng/ml
Nordiazepam	5.860	208451	8752.6	60.85	77668.7	65265	99.261 ng/ml
Norfentanyl	4.030	16904	835.9	265.70	1202.7	440036	9.290 ng/ml
Noroxycodone	2.813	281555	2547.0	48.68	3918.7	89306	102.901 ng/ml
O-desmethyl-tramadol	3.299	1371851	1100422.5	6.35	9983.7	558104	103.099 ng/ml
O-Desmethylvenlafaxine	4.013	385077	4655.1	234.05	53828.9	130055	105.015 ng/ml
Olanzapine	4.434	359154	261.4	42.35	609.0	85747	102.882 ng/ml
Oxazepam	5.715	278113	64544.5	69.10	1716.1	118530	101.221 ng/ml
Oxycodone	2.736	660859	∞	28.71	18259.6	225337	105.954 ng/ml
Oxymorphone	1.309	400388	∞	44.87	∞	130126	101.862 ng/ml
Phentermine	3.709	265071	4672.8	10.23	2612.8	303982	105.740 ng/ml
Promethazine	5.516	1047489	7697308.6	37.90	35685.0	479446	99.081 ng/ml
Pseudoephedrine	2.476	1575076	39620.0	17.41	77441.1	660256	97.871 ng/ml
Quetiapine	5.534	614813	∞	60.36	∞	87122	101.728 ng/ml
Sertraline	5.755	193692	1092548.1	96.78	5330.1	78586	97.019 ng/ml
Temazepam	5.781	637669	14126.4	29.25	3384.3	287159	100.875 ng/ml
Tramadol	4.192	1487536	∞	3.47	3839.8	622951	99.252 ng/ml
Trazodone	5.117	788361	39273.3	78.60	32463.8	298224	103.054 ng/ml
Venlafaxine	5.001	1010481	24837.2	46.62	11261.9	500301	95.468 ng/ml
Zolpidem	4.877	1382833	154198.3	27.91	44844.1	545638	97.358 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:29:36 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<b>6-MAM</b>	<b>3.062</b>	<b>33706</b>	<b>84223.0</b>	<b>139.40</b>	∞	<b>34772</b>	<b>250.556</b> ng/ml
7-aminoclonazepam	4.196	325177	12322.9	109.97	37318.0	69914	250.953 ng/ml
a-hydroxyalprazolam	5.650	63124	2075.9	65.34	∞	216606	262.535 ng/ml
alpha-PHP	4.884	560103	31224.5	245.74	29194.1	289845	258.637 ng/ml
alpha-PVP	4.311	2060491	∞	53.31	42698.0	289845	248.993 ng/ml
Alprazolam	5.729	830204	∞	88.75	∞	111352	256.738 ng/ml
Amphetamine	2.949	1304101	85495.3	249.21	158321.0	175782	227.862 ng/ml
Buprenorphine	5.809	70877	1717.7	16.33	4616.8	35570	23.567 ng/ml
Bupropion	4.735	1869474	38933.4	70.32	50622.9	221320	247.132 ng/ml
Carisoprodol	5.684	421406	431340.8	61.88	4972.8	54385	237.333 ng/ml
Chlorpheniramine	5.068	3306724	3592.2	0.25	300.8	485343	264.750 ng/ml
Citalopram	5.180	1377512	118138.6	40.90	112809.0	199808	260.590 ng/ml
Clonazepam	5.567	418485	7338.4	34.77	972064.6	29475	255.338 ng/ml
Clonazepam	5.508	404533	22794.3	36.61	55526.2	29475	274.216 ng/ml
Cocaine	4.210	1432441	601144.5	49.65	91281.5	448517	258.946 ng/ml
Codeine	2.478	168104	16038.4	90.18	8885.2	32545	257.777 ng/ml
Cyclobenzaprine	5.595	1660327	1427250.4	8.50	∞	189696	249.157 ng/ml
Dextromethorphan	5.224	1023754	68367.3	75.11	332545.2	179289	261.792 ng/ml
Dextrophan	4.065	1299252	135055.3	44.30	44531.3	234964	259.479 ng/ml
Diazepam	5.911	551200	11730.8	85.89	11999.1	95820	252.136 ng/ml
Dihydrocodeine	2.447	456145	2708.8	60.78	1271.3	117900	246.196 ng/ml
Diphenhydramine	5.259	4656438	139002.5	31.66	∞	833185	253.086 ng/ml
Doxylamine	4.487	4188867	240901.5	95.65	∞	520875	260.412 ng/ml
Duloxetine	5.620	184667	1761.8	10.61	203.1	19881	267.114 ng/ml
EDDP	5.218	2300773	106085.3	42.45	81770.1	420806	257.089 ng/ml
Etizolam	5.774	96291	48657.0	412.92	∞	95820	265.032 ng/ml
Fentanyl	5.056	159741	4622.8	132.15	∞	309362	24.531 ng/ml
Flualprazolam	5.660	330174	3282.7	100.55	3130.5	111352	256.332 ng/ml
Fluorofentanyl	5.113	145576	8719.6	117.38	459.6	2877	26.659 ng/ml
Fluoxetine	5.682	1152756	∞	7.02	117949.9	140213	244.668 ng/ml
Hydrocodone	2.931	649695	∞	37.39	61175.1	155715	236.652 ng/ml
Hydromorphone	1.512	608410	7833.7	67.09	304.7	69880	263.844 ng/ml
Hydroxyzine	5.680	886350	154913.9	120.78	840.5	422606	259.089 ng/ml

concentration corrected and reprinted

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	1255479	1964167.0	38.37	1128151.7	226512	256.450 ng/ml
Lamotrigine	4.218	103626	4400.2	92.57	∞	181206	251.197 ng/ml
Lorazepam	5.702	224754	2299.1	44.90	1161.4	78493	253.436 ng/ml
MDA	3.106	1597456	51346.7	27.07	7246.7	181206	245.736 ng/ml
MDMA	3.208	1262588	98382.4	104.74	55644.4	50609	260.976 ng/ml
Meprobamate	4.839	453899	12467.0	31.15	6048.7	62385	247.109 ng/ml
Methadone	5.625	3033443	∞	47.81	22145.8	401352	251.286 ng/ml
Methamphetamine	3.127	2878367	101115.2	39.20	∞	510693	266.419 ng/ml
Metoprolol	4.273	328840	164695.5	96.24	∞	563671	260.977 ng/ml
Mirtazapine	4.579	2886945	214037.4	47.20	∞	50609	252.501 ng/ml
Mitragynine	5.194	424627	29589.3	33.03	208517.4	563671	217.126 ng/ml
Morphine	1.156	93335	12665.4	23.10	1708.6	4971	256.065 ng/ml
Norbuprenorphine	4.947	11290	13888.9	96.92	181330.7	6803	25.647 ng/ml
Nordiazepam	5.855	440303	∞	60.46	69169.4	53722	254.424 ng/ml
Norfentanyl	4.030	34973	8716.0	271.37	2107.5	352855	23.950 ng/ml
Noroxycodone	2.813	588649	∞	47.95	12978.6	78318	245.993 ng/ml
O-desmethyl-tramadol	3.299	3196493	186424.4	6.34	32285.5	538923	249.216 ng/ml
O-Desmethylvenlafaxine	4.013	868476	15455.4	234.84	16550.8	120628	255.784 ng/ml
Olanzapine	4.424	906911	279.1	42.72	472.3	84678	263.277 ng/ml
Oxazepam	5.710	471103	74645.1	71.50	3027.3	78493	258.517 ng/ml
Oxycodone	2.726	1375209	63349.7	32.06	45243.7	206113	242.334 ng/ml
Oxymorphone	1.309	920179	∞	44.36	∞	120311	253.680 ng/ml
Phentermine	3.709	565902	3777.1	9.85	3044.1	282800	243.900 ng/ml
Promethazine	5.511	2376820	79928.9	38.26	∞	422606	254.804 ng/ml
Pseudoephedrine	2.471	3458563	54464.2	16.97	66212.8	563671	251.654 ng/ml
Quetiapine	5.528	1407272	80378.3	58.72	231875.6	77957	260.157 ng/ml
Sertraline	5.750	377491	366200.0	100.41	19966.9	61638	241.602 ng/ml
Temazepam	5.776	1223362	23227.5	29.99	1954.5	216606	256.790 ng/ml
Tramadol	4.187	3416074	∞	3.36	∞	590222	241.016 ng/ml
Trazodone	5.112	1768516	41834.2	78.68	115110.8	278483	247.360 ng/ml
Venlafaxine	4.996	2429372	110551.5	46.42	11468.2	447234	256.447 ng/ml
Zolpidem	4.872	3290368	485547.6	27.36	85362.0	506186	250.404 ng/ml

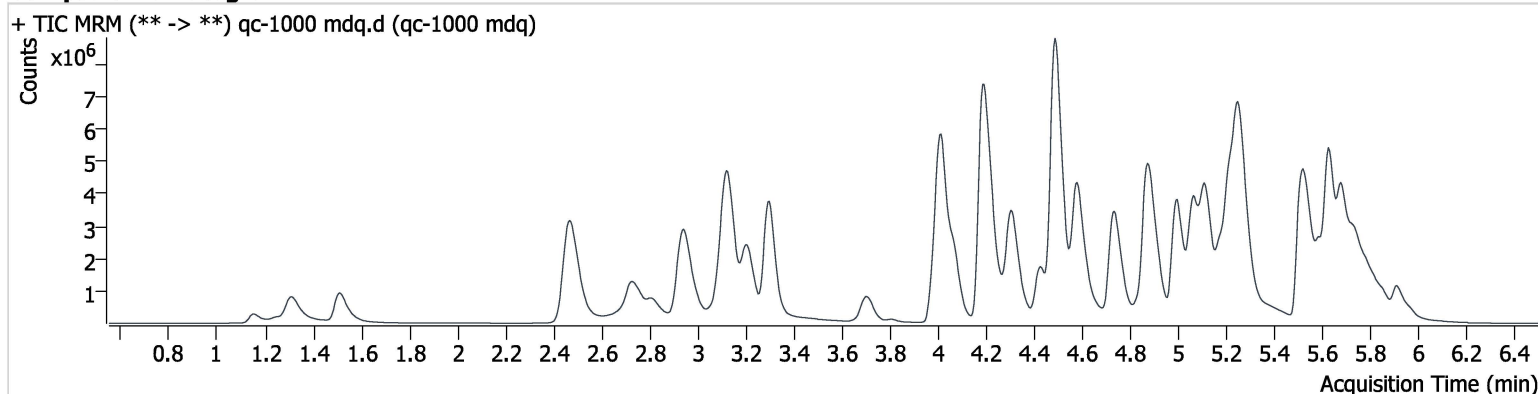


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:38:36 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
<b>6-MAM</b>	<b>3.057</b>	<b>127903</b>	<b>959125.8</b>	<b>133.12</b>	<b>23750.2</b>	<b>33166</b>	<b>998.121</b>	ng/ml concentration corrected and reprinted
7-aminoclonazepam	4.191	638316	263439.8	116.90	53565.6	50014	690.088	ng/ml
a-hydroxyalprazolam	5.645	93821	700.0	62.00	365.3	91796	925.049	ng/ml
alpha-PHP	4.890	1661511	412490.7	249.74	44621.7	241300	922.189	ng/ml
alpha-PVP	4.311	7060275	292749.5	52.66	190429.8	241300	1024.607	ng/ml
Alprazolam	5.734	2032005	5921.0	90.47	3104.9	68099	1027.090	ng/ml
Amphetamine	2.949	2992525	220704.5	244.02	134667.1	167918	549.570	ng/ml
Buprenorphine	5.809	245192	33075.1	16.71	252752.0	28555	101.369	ng/ml
Bupropion	4.739	6917981	451571.5	68.55	206240.2	221140	915.405	ng/ml
Carisoprodol	5.690	639436	∞	62.19	∞	20629	949.173	ng/ml
Chlorpheniramine	5.068	11699396	110033.7	0.28	715.6	444628	1022.306	ng/ml
Citalopram	5.180	3534026	171472.7	42.90	164133.7	131366	1017.149	ng/ml
Clonazepam	5.567	818913	25078.5	33.86	322236.7	14353	1027.009	ng/ml
Clonazepam	5.503	789735	25390.8	37.58	11837.8	14353	1097.741	ng/ml
Cocaine	4.218	4261812	613878.2	50.39	317841.0	339602	1018.156	ng/ml
Codeine	2.483	390743	180271.2	94.96	5211.0	19870	983.154	ng/ml
Cyclobenzaprine	5.595	4963139	2289340.9	7.81	9274.3	144469	978.606	ng/ml
Dextromethorphan	5.224	2667632	3098134.9	73.67	6270508681	112501	1086.969	ng/ml
Dextrorphan	4.065	4233195	320218.6	44.52	3321779.7	191699	1035.648	ng/ml
Diazepam	5.911	1840002	7461.7	86.97	∞	81579	988.385	ng/ml
Dihydrocodeine	2.442	1303727	1099.3	62.11	7816.5	111144	748.385	ng/ml
Diphenhydramine	5.255	13952151	∞	30.50	127805.2	594725	1062.186	ng/ml
Doxylamine	4.487	16311516	∞	94.72	13903356.7	503269	1049.189	ng/ml
Duloxetine	5.620	403774	487.2	11.88	357.6	10641	1092.167	ng/ml
EDDP	5.218	7850430	322347.3	42.88	642831.4	359218	1028.654	ng/ml
Etizolam	5.774	296168	67595.8	397.54	3841.0	81579	957.267	ng/ml
Fentanyl	5.051	480344	98553.5	130.37	∞	240907	94.914	ng/ml
Flualprazolam	5.660	695918	12115.7	94.54	6914.8	68099	885.138	ng/ml
Fluorofentanyl	5.118	476279	339130.1	109.91	4629.4	1950	128.705	ng/ml
Fluoxetine	5.687	2842239	108150.5	6.62	75917.1	85709	987.079	ng/ml
Hydrocodone	2.931	1906225	∞	40.56	∞	130291	832.740	ng/ml
Hydromorphone	1.512	2061446	3476.9	73.71	3669.3	59796	1045.279	ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.680	2823863	1085565.6	120.90	3942.7	353176	989.416 ng/ml
Ketamine	3.989	3612536	11361007.1	38.09	142235.2	189144	885.450 ng/ml
Lamotrigine	4.228	205648	∞	91.46	28229.3	121881	742.187 ng/ml
Lorazepam	5.707	202928	45399.2	46.65	7198.6	18995	948.519 ng/ml
MDA	3.096	3120637	194193.6	27.44	108715.4	121881	714.952 ng/ml
MDMA	3.210	3774806	2405890.4	102.41	225766.8	40824	968.375 ng/ml
Meprobamate	4.839	936412	57904.9	30.47	34157.7	48318	659.192 ng/ml
Methadone	5.630	10569633	237877.3	45.57	1599186.5	351443	1000.142 ng/ml
Methamphetamine	3.127	8749187	∞	37.23	143188.3	514561	819.001 ng/ml
Metoprolol	4.273	881016	2355416.8	95.47	∞	399911	985.811 ng/ml
Mirtazapine	4.579	9967256	3624205.8	46.37	1797429.6	40824	1079.773 ng/ml
Mitragynine	5.189	1103659	107751.2	34.82	695425.4	399911	794.746 ng/ml
Morphine	1.156	313732	21701.8	22.52	5137.6	4319	991.432 ng/ml
Norbuprenorphine	4.947	39903	25774.6	100.95	35079.7	6726	92.313 ng/ml
Nordiazepam	5.855	1069370	16019.3	60.57	82348.8	32975	1006.150 ng/ml
Norfentanyl	4.030	86952	∞	260.41	8711.4	185190	113.415 ng/ml
Noroxycodone	2.813	1475814	741902.3	46.25	12425.4	46044	1050.599 ng/ml
O-desmethyl-tramadol	3.299	10994694	∞	6.10	50385.5	466921	990.319 ng/ml
O-Desmethylvenlafaxine	4.013	2507554	8200.4	239.01	88240.8	90662	983.475 ng/ml
Olanzapine	4.424	3754552	20684.7	45.62	15503.5	97727	944.765 ng/ml
Oxazepam	5.710	434089	5047.0	72.94	∞	18995	983.611 ng/ml
Oxycodone	2.721	4092568	44519.9	29.65	∞	183525	812.299 ng/ml
Oxymorphone	1.309	2983432	∞	44.88	∞	103324	958.606 ng/ml
Phentermine	3.704	1573892	213019.5	8.85	7635.6	256895	748.721 ng/ml
Promethazine	5.511	8738914	1479627.1	36.10	77593.8	353176	1120.463 ng/ml
Pseudoephedrine	2.477	9920710	64522.6	16.60	84216.1	399911	1017.301 ng/ml
Quetiapine	5.528	4087632	∞	59.50	102959.8	59321	992.938 ng/ml
Sertraline	5.750	1053535	7224718.1	96.78	∞	38739	1074.086 ng/ml
Temazepam	5.781	2058332	59168.9	30.54	7633.5	91796	1019.927 ng/ml
Tramadol	4.187	10394645	∞	3.25	17053.9	458447	945.096 ng/ml
Trazodone	5.112	5688495	467401.0	79.84	624435.7	207132	1069.235 ng/ml
Venlafaxine	4.996	8966024	227489.8	42.30	149352.0	405237	1043.992 ng/ml
Zolpidem	4.867	10364044	743887.8	28.28	169136.7	446520	895.253 ng/ml

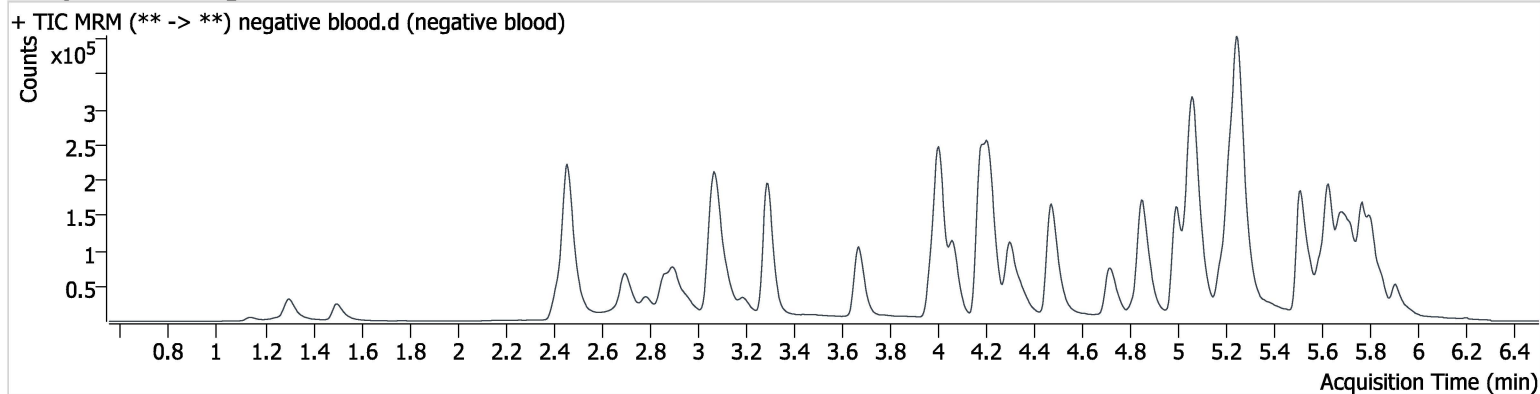


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:56:33 AM		
<b>Sample Info.</b>			

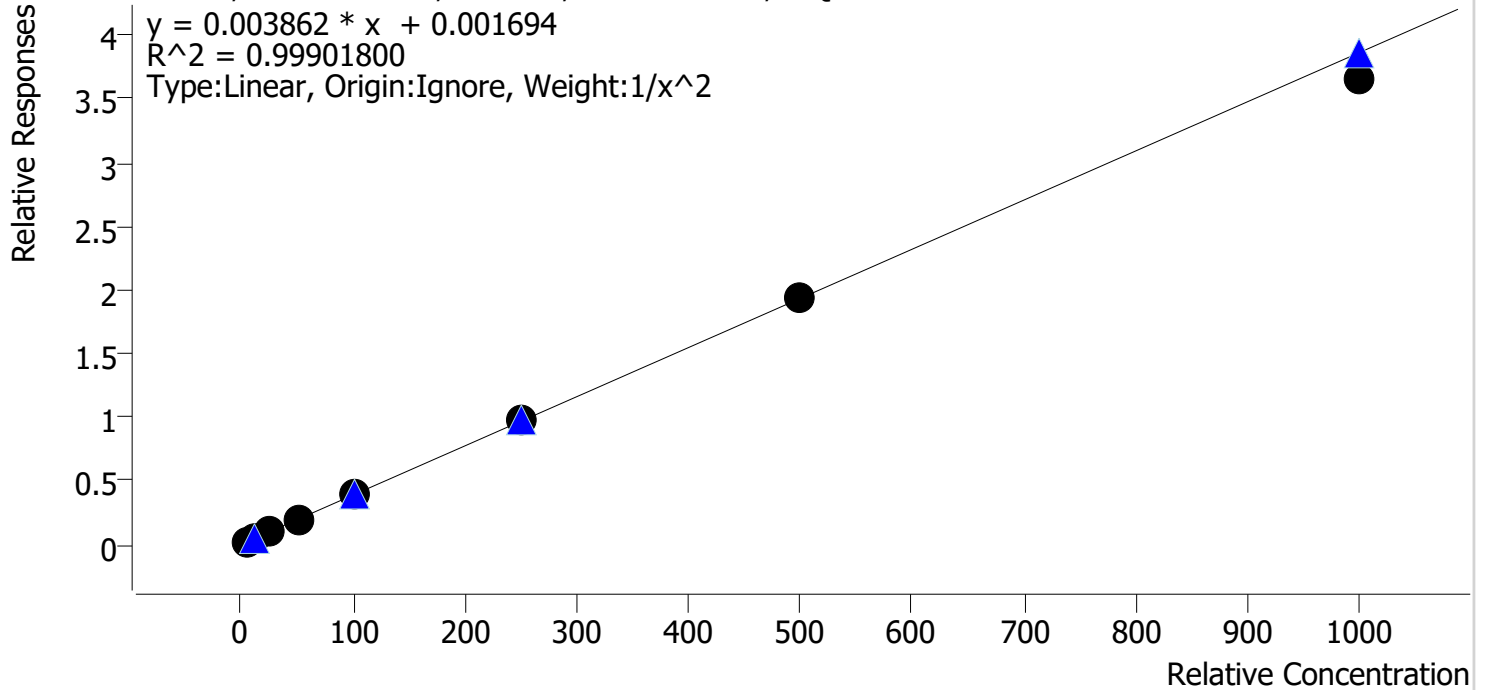
## Sample Chromatogram



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 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



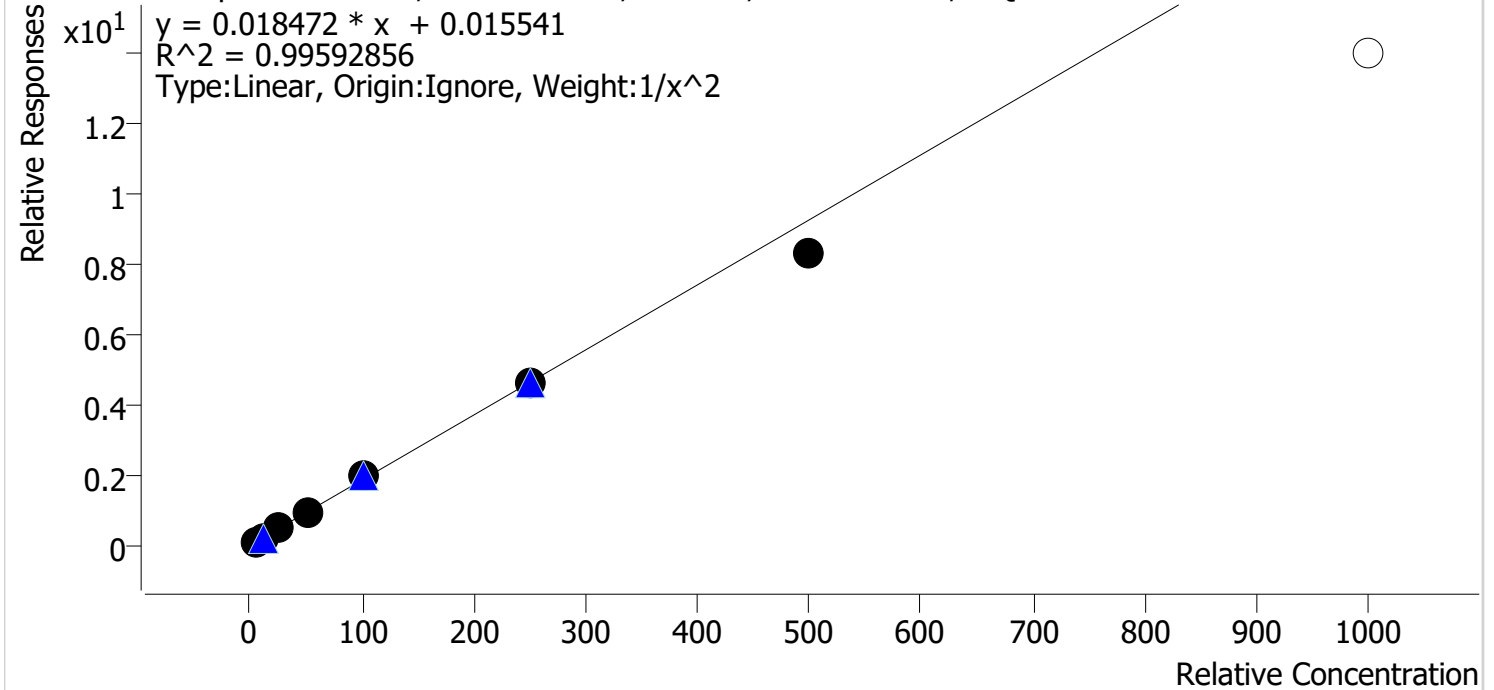
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	256.3	102.5
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	946.3	94.6

See updated print out page 103 with corrected concentrations. Concentrations in this printout are off by a factor of 10.

# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	11/7/2022 11:28 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	7-aminoclonazepam	<b>Internal Standard</b>	7-Aminoclonazepam-D4

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

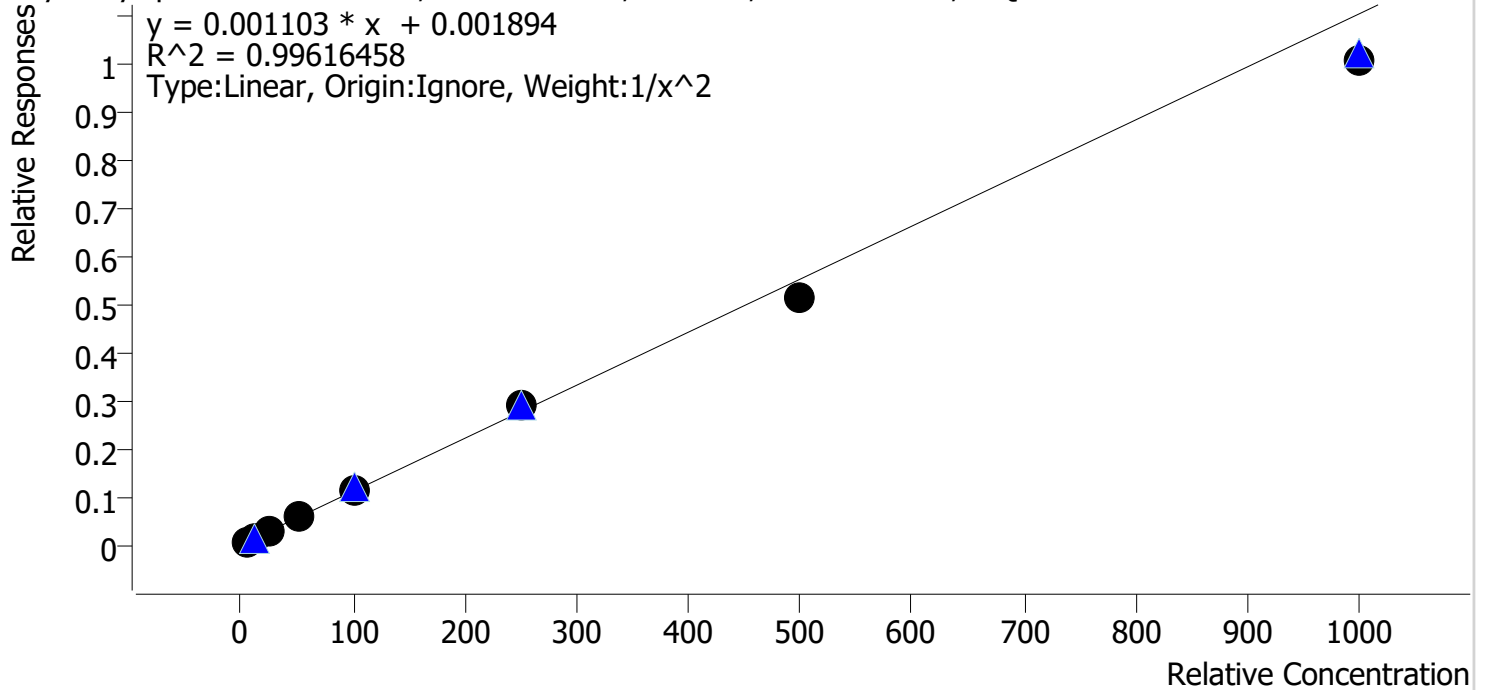


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	106.9	106.9
cal 6 mdq	6	✓	250.0	250.9	100.3
cal 7 mdq	7	✓	500.0	446.9	89.4
cal 8 mdq	8	✗	1000.0	755.6	75.6

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Temazepam-D5

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

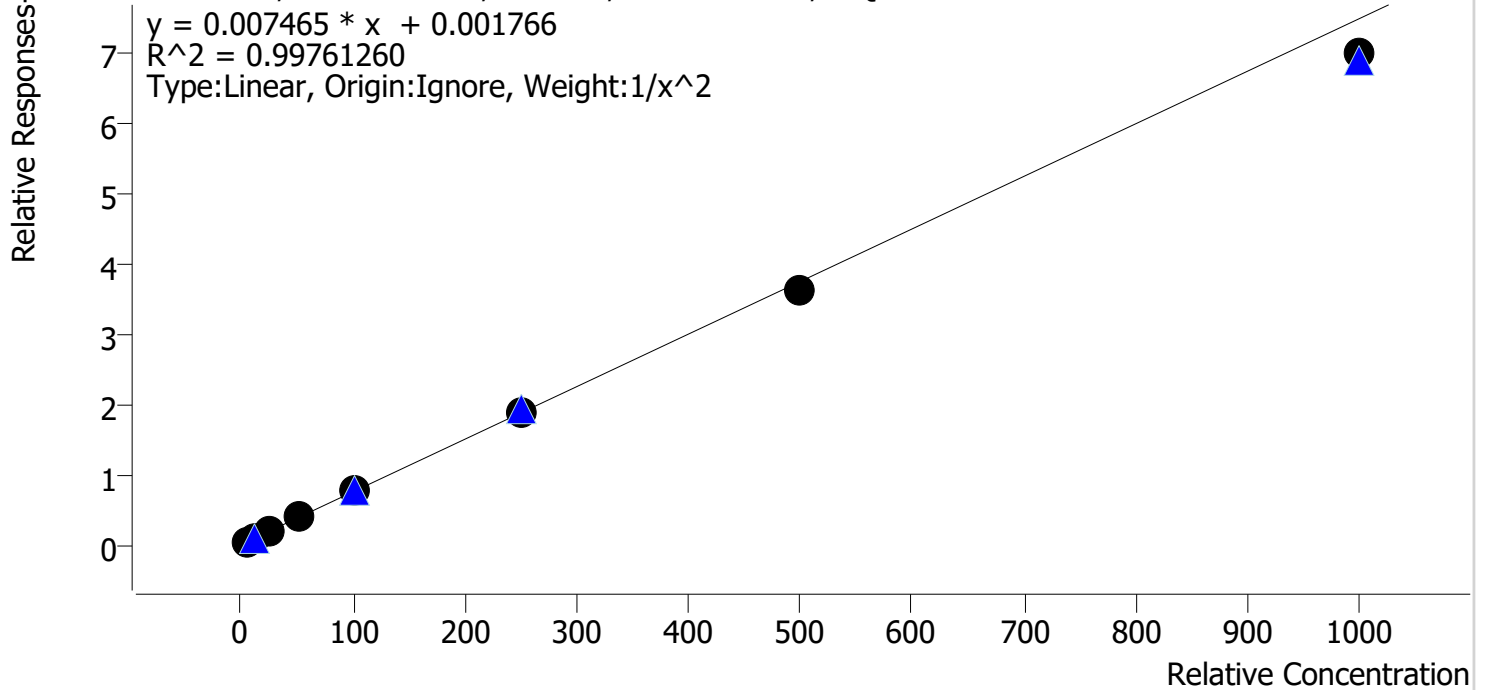


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	259.3	103.7
cal 7 mdq	7	✓	500.0	468.0	93.6
cal 8 mdq	8	✓	1000.0	910.1	91.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP                      **Internal Standard** alpha-PVP-d8

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

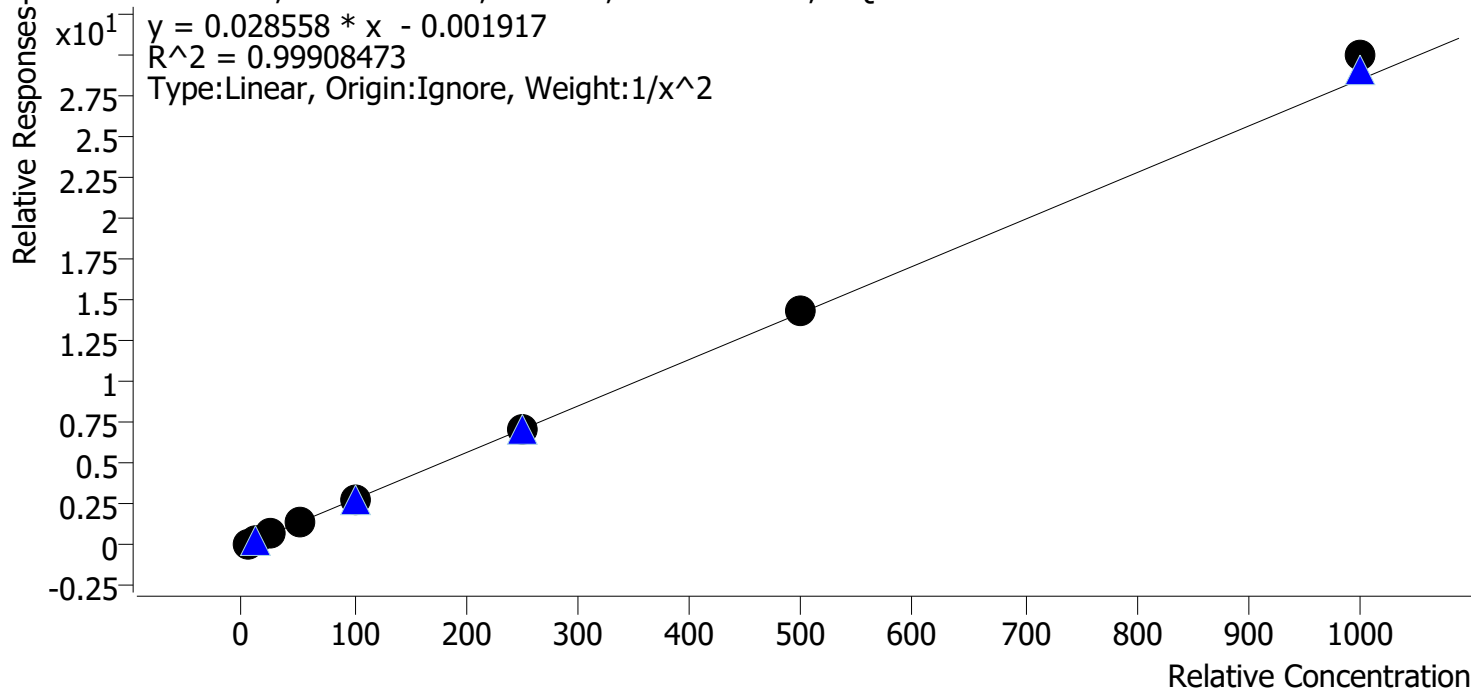


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	53.6	107.3
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	484.5	96.9
cal 8 mdq	8	✓	1000.0	933.6	93.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

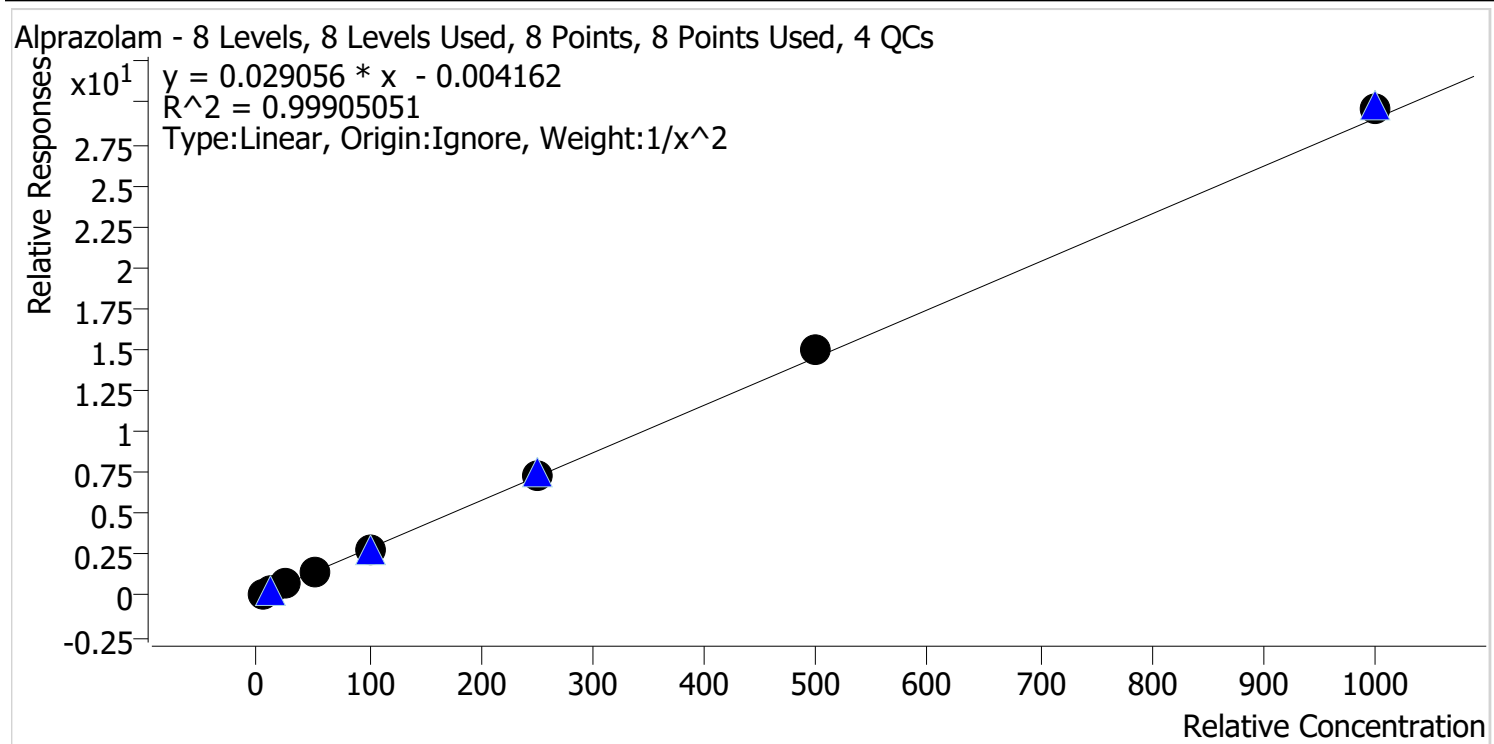
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	247.6	99.0
cal 7 mdq	7	✓	500.0	507.1	101.4
cal 8 mdq	8	✓	1000.0	1051.2	105.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

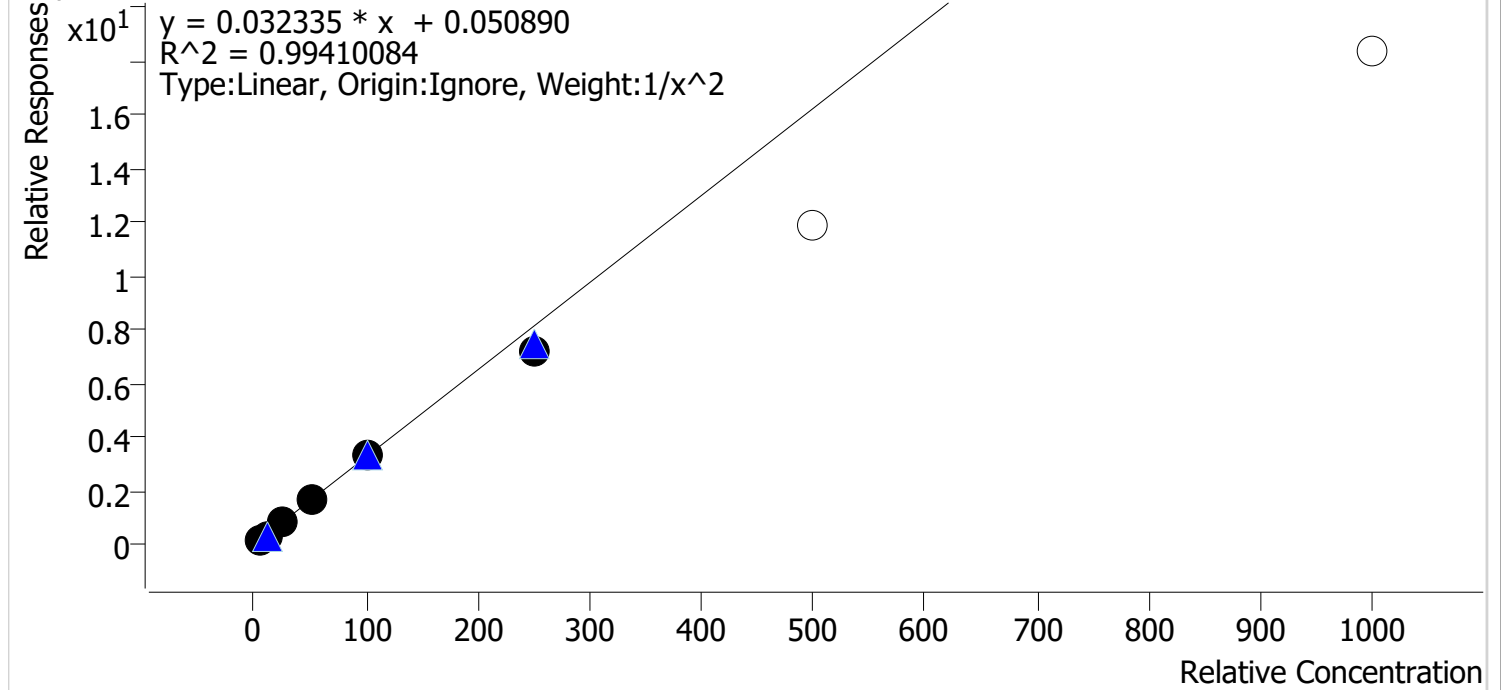


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	49.2	98.3
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	516.0	103.2
cal 8 mdq	8	✓	1000.0	1018.7	101.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



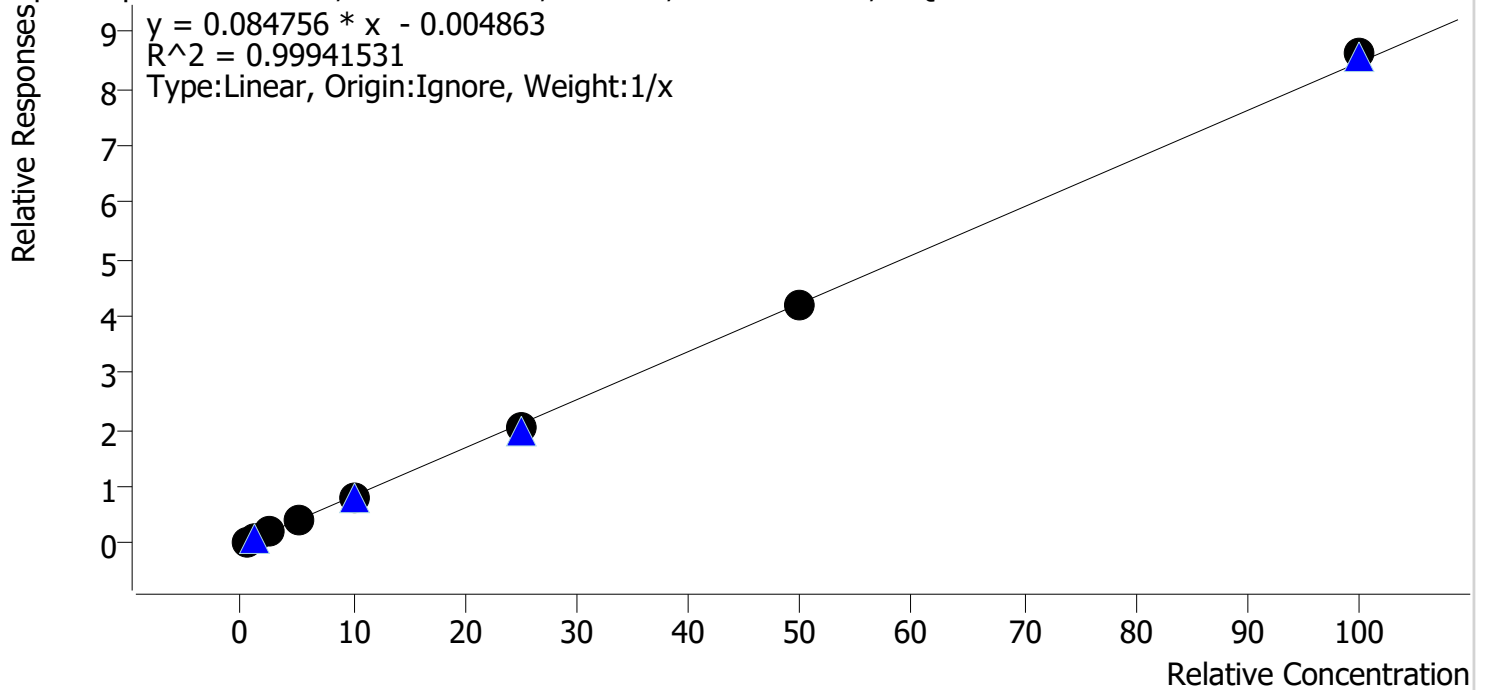
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	51.8	103.7
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	220.9	88.4
cal 7 mdq	7	✗	500.0	364.2	72.8
cal 8 mdq	8	✗	1000.0	565.0	56.5



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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

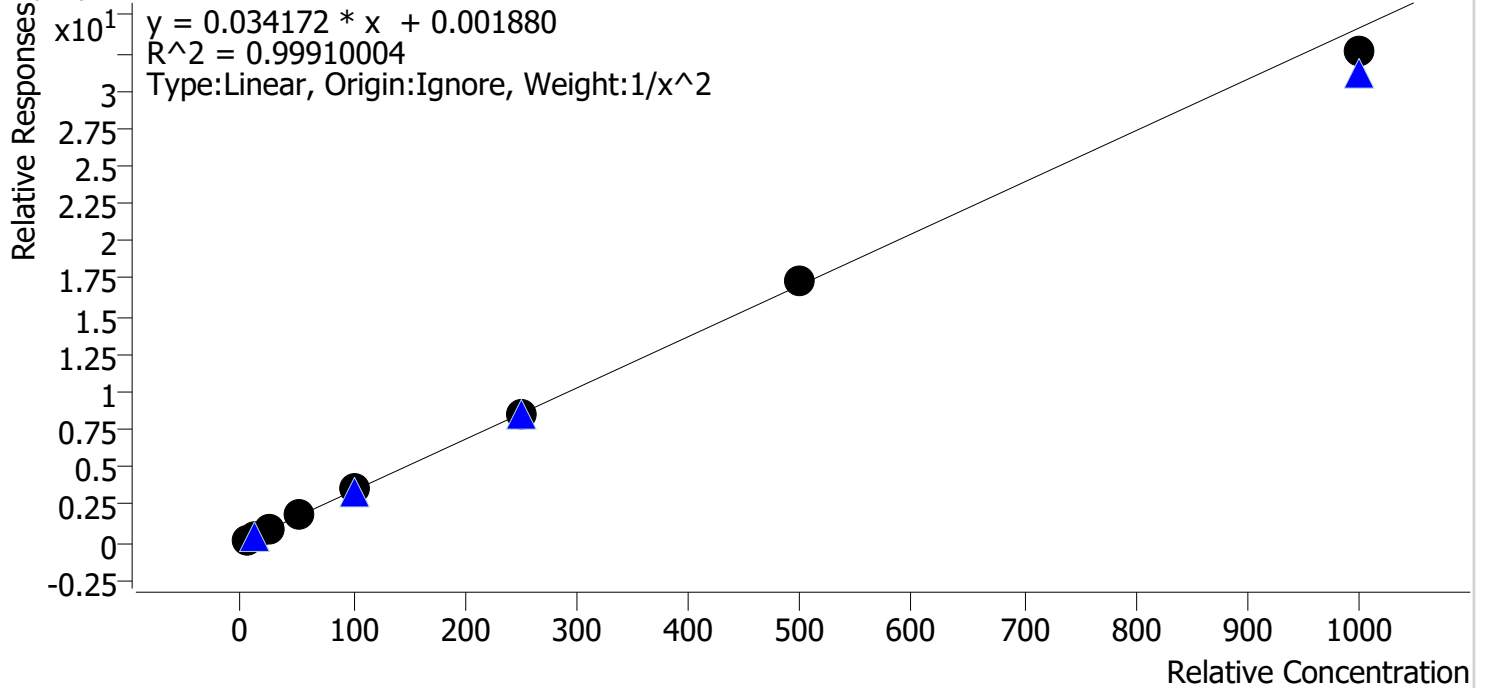


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	107.0
cal 2 mdq	2	✓	1.0	1.0	103.2
cal 3 mdq	3	✓	2.5	2.4	96.6
cal 4 mdq	4	✓	5.0	5.1	101.5
cal 5 mdq	5	✓	10.0	9.4	93.7
cal 6 mdq	6	✓	25.0	24.4	97.4
cal 7 mdq	7	✓	50.0	49.4	98.8
cal 8 mdq	8	✓	100.0	101.8	101.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\lam 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

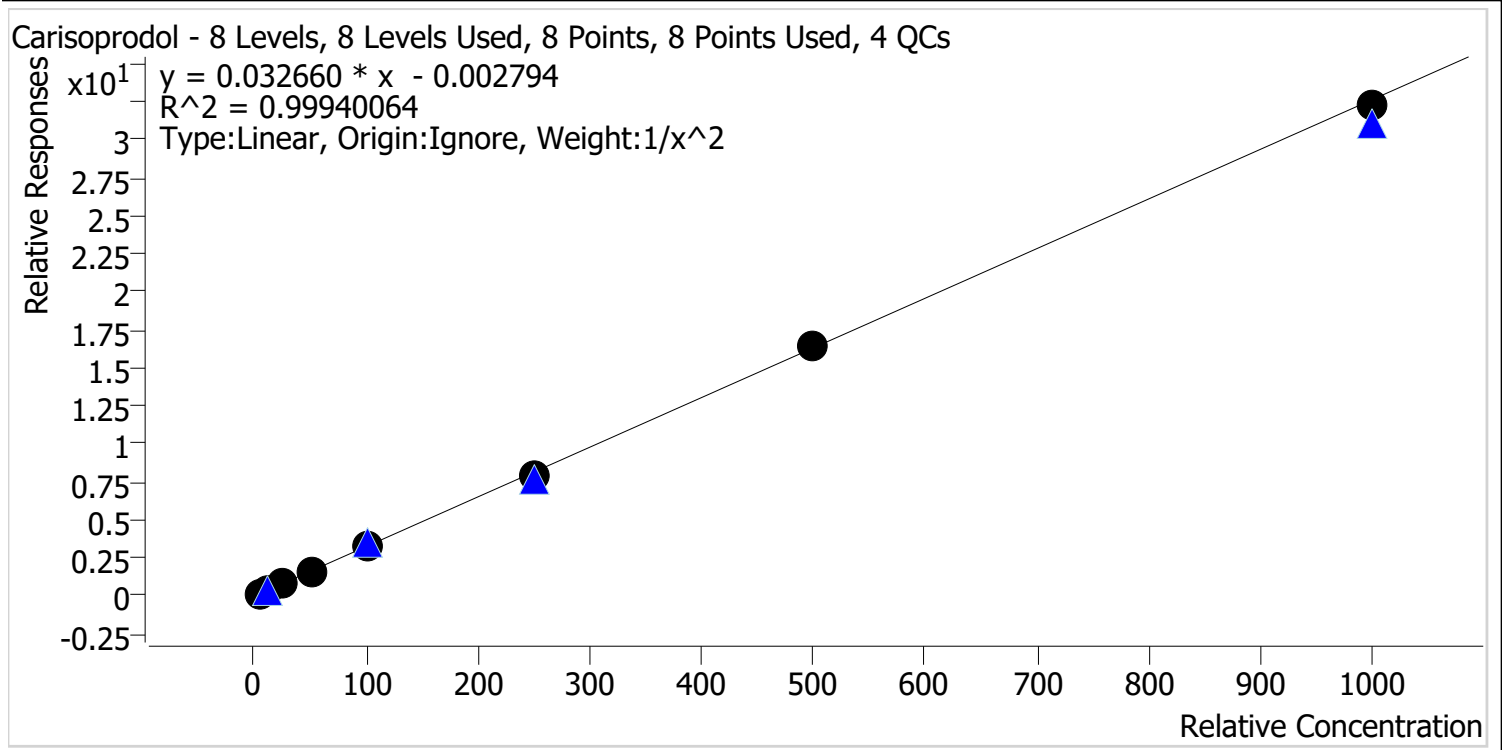
Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	507.1	101.4
cal 8 mdq	8	✓	1000.0	954.0	95.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

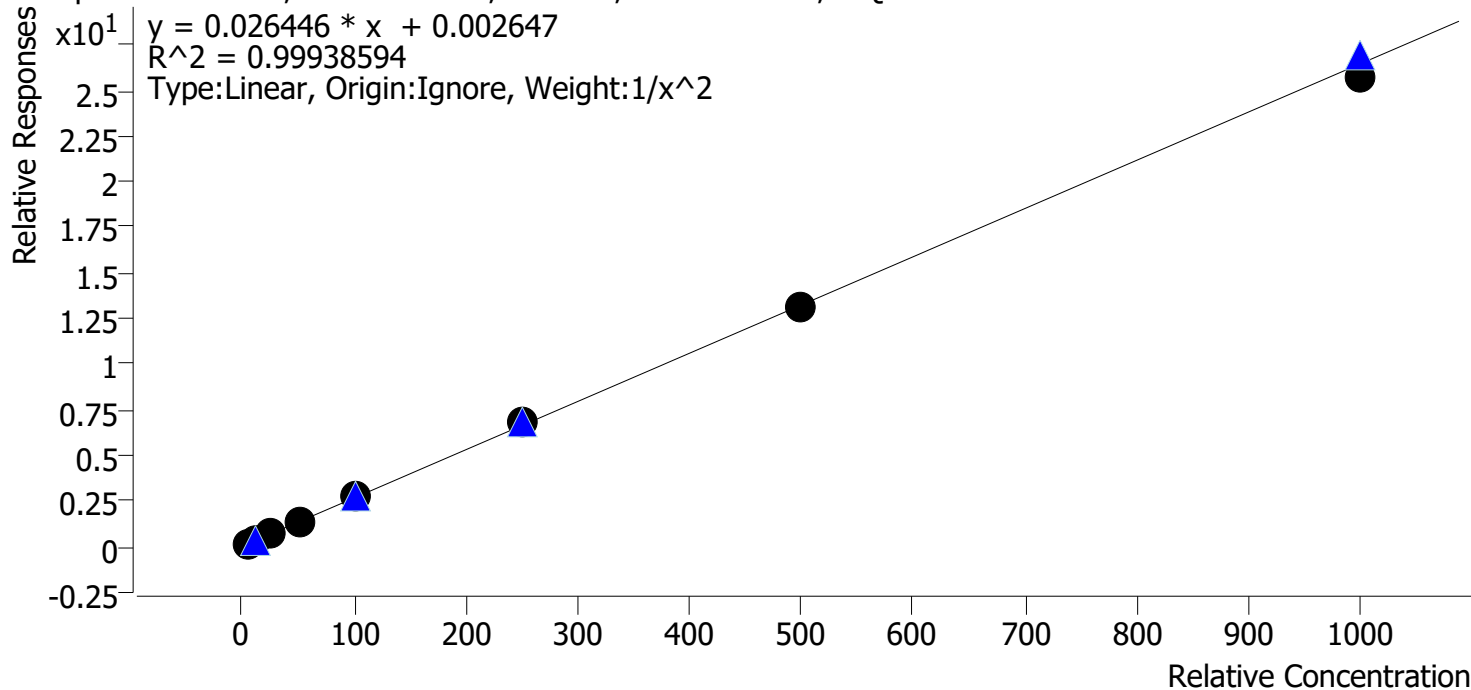


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	241.4	96.5
cal 7 mdq	7	✓	500.0	500.5	100.1
cal 8 mdq	8	✓	1000.0	988.1	98.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

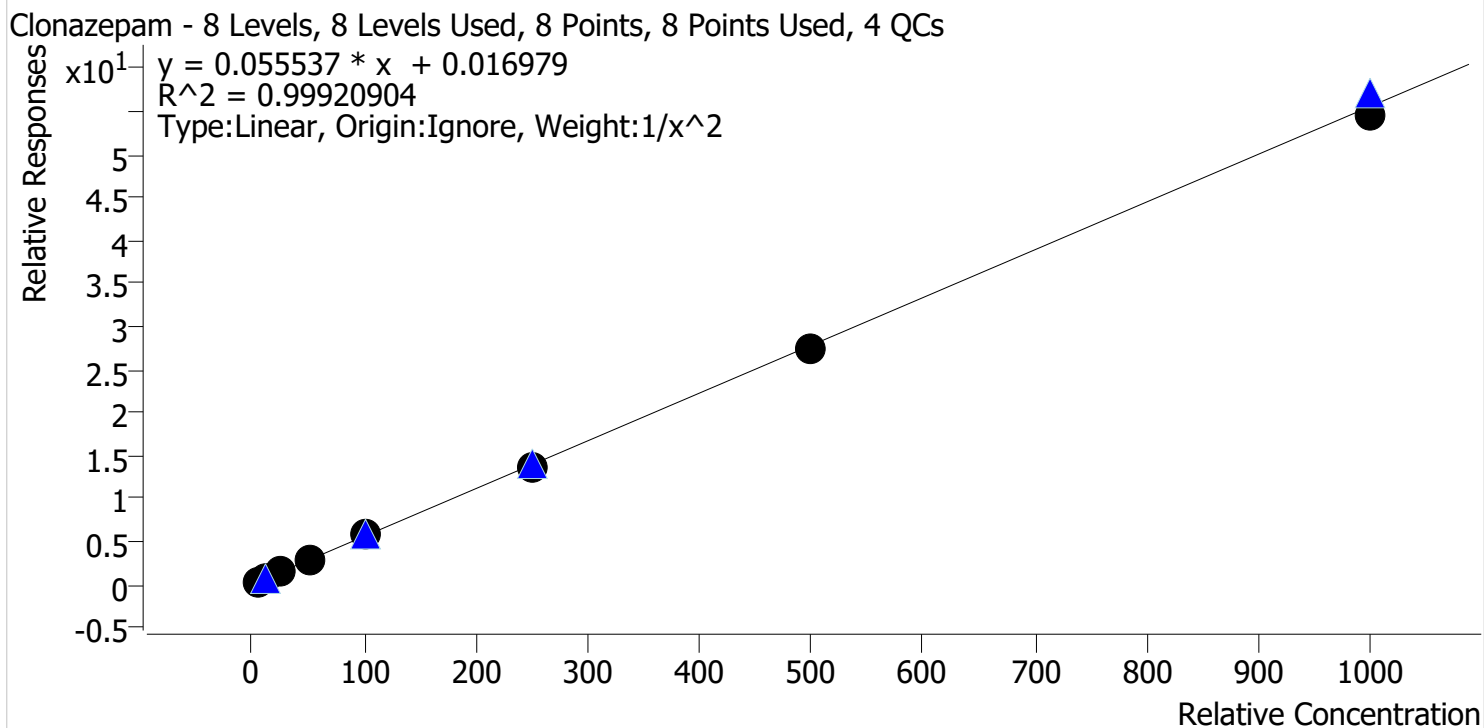
Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	260.7	104.3
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	972.6	97.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

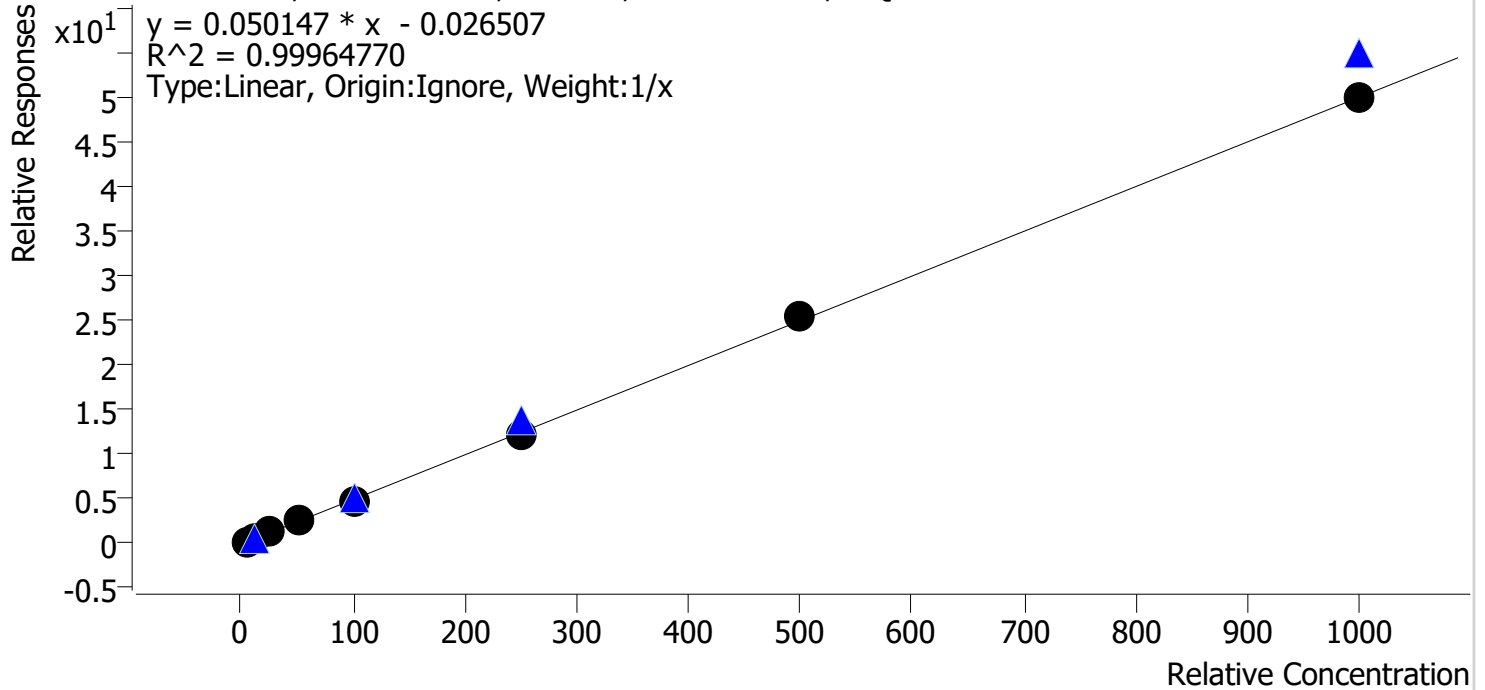


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	103.4	103.4
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	491.0	98.2
cal 8 mdq	8	✓	1000.0	978.8	97.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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

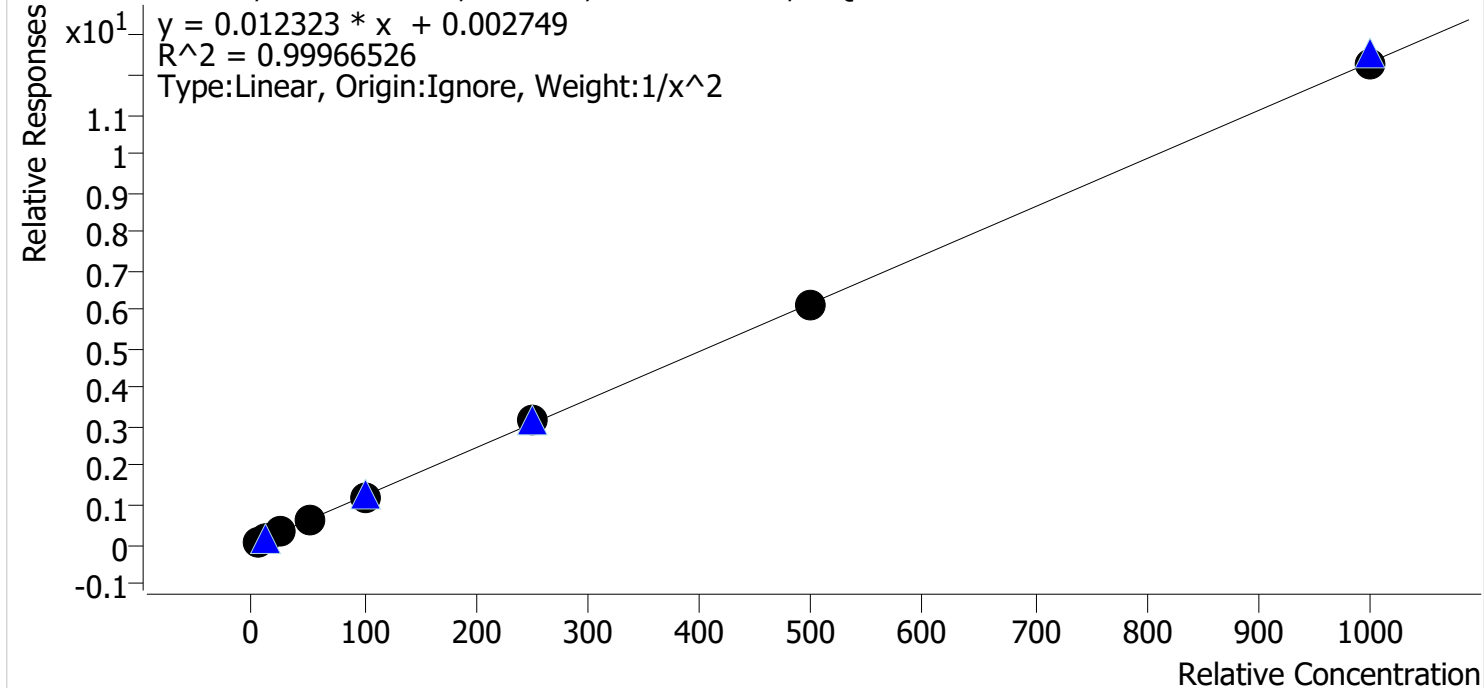


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.6
cal 2 mdq	2	✓	10.0	9.2	92.4
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	243.5	97.4
cal 7 mdq	7	✓	500.0	507.2	101.4
cal 8 mdq	8	✓	1000.0	1003.4	100.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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

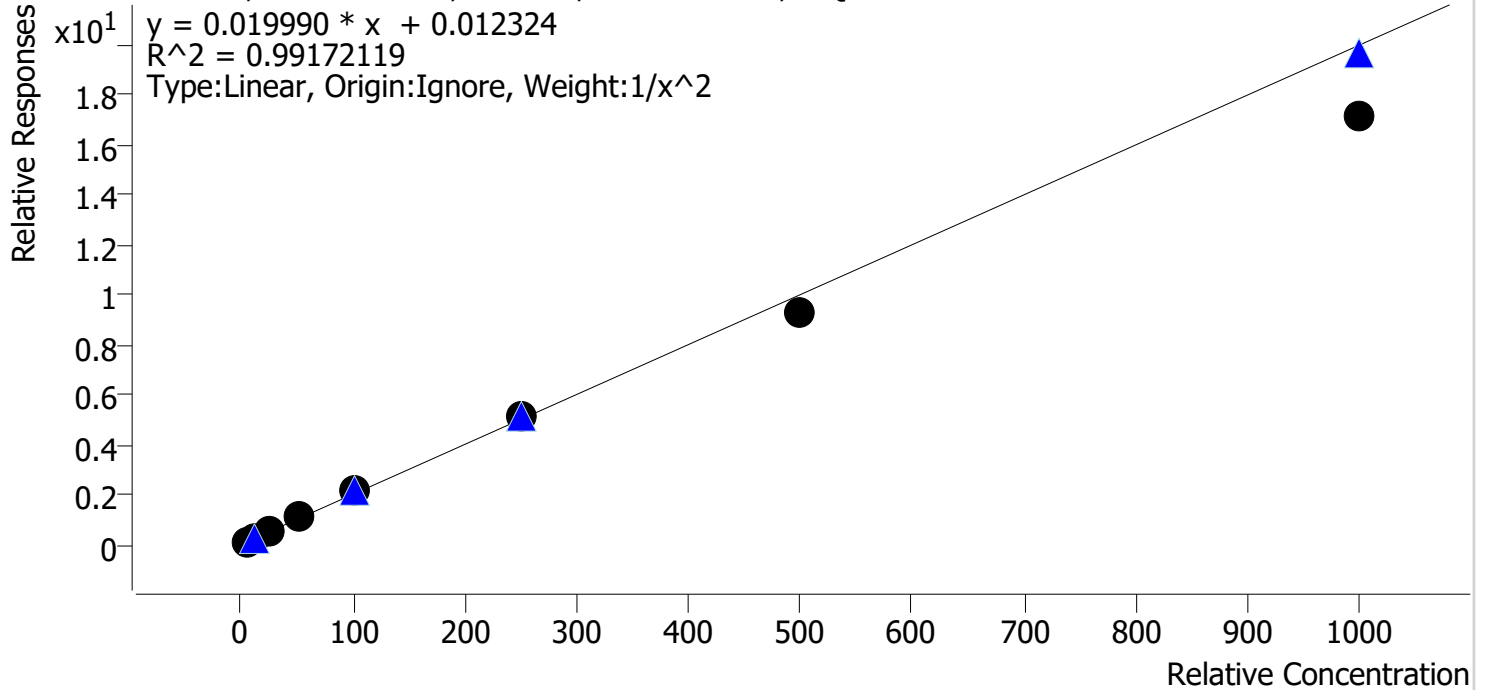


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	257.4	103.0
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	996.2	99.6

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



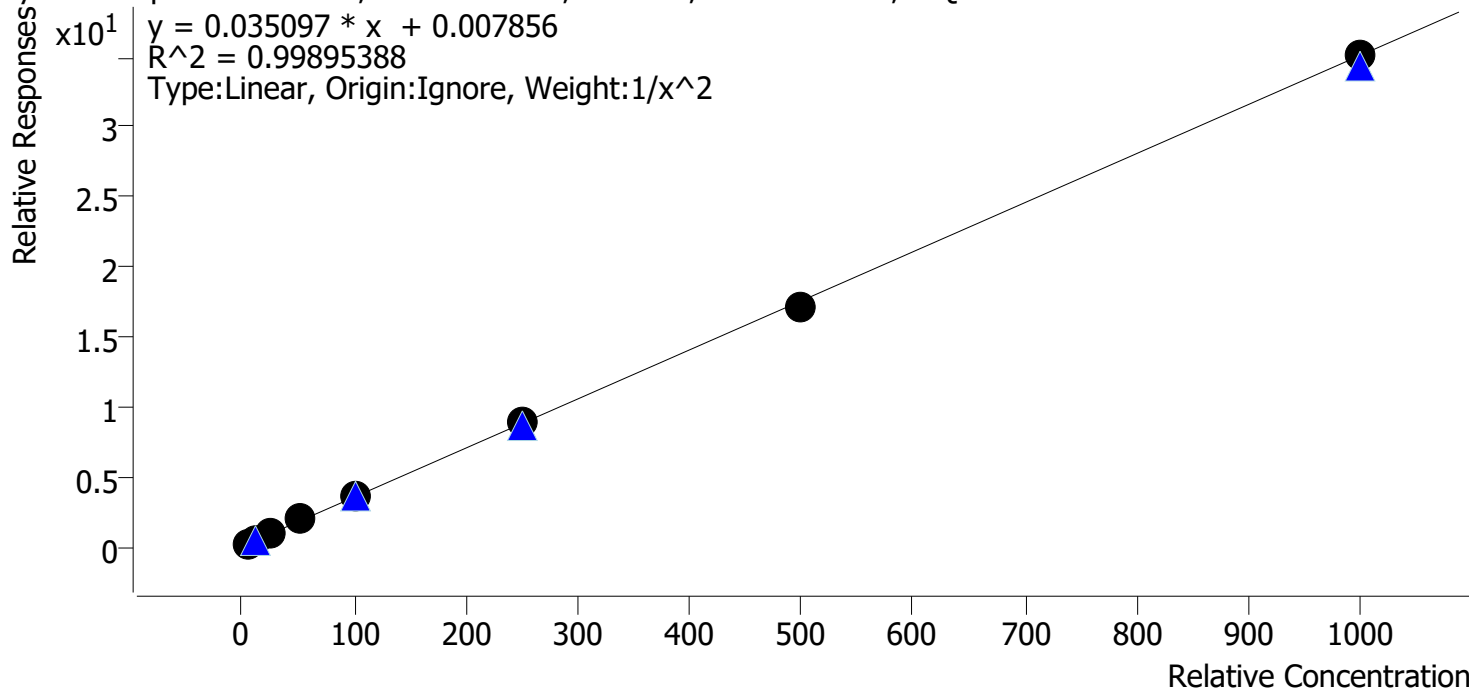
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	27.0	107.9
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	105.2	105.2
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	461.4	92.3
cal 8 mdq	8	✓	1000.0	856.5	85.7



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

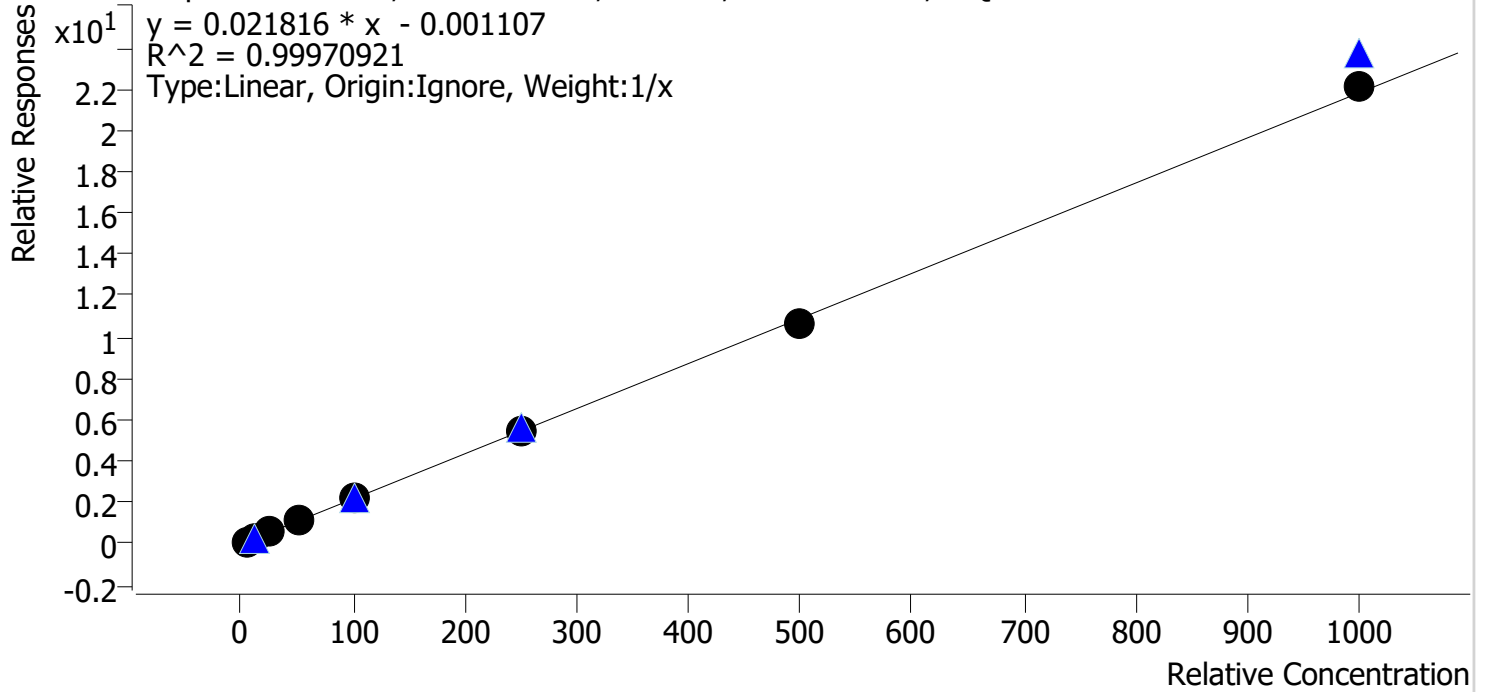


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	53.0	106.1
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	489.9	98.0
cal 8 mdq	8	✓	1000.0	999.7	100.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

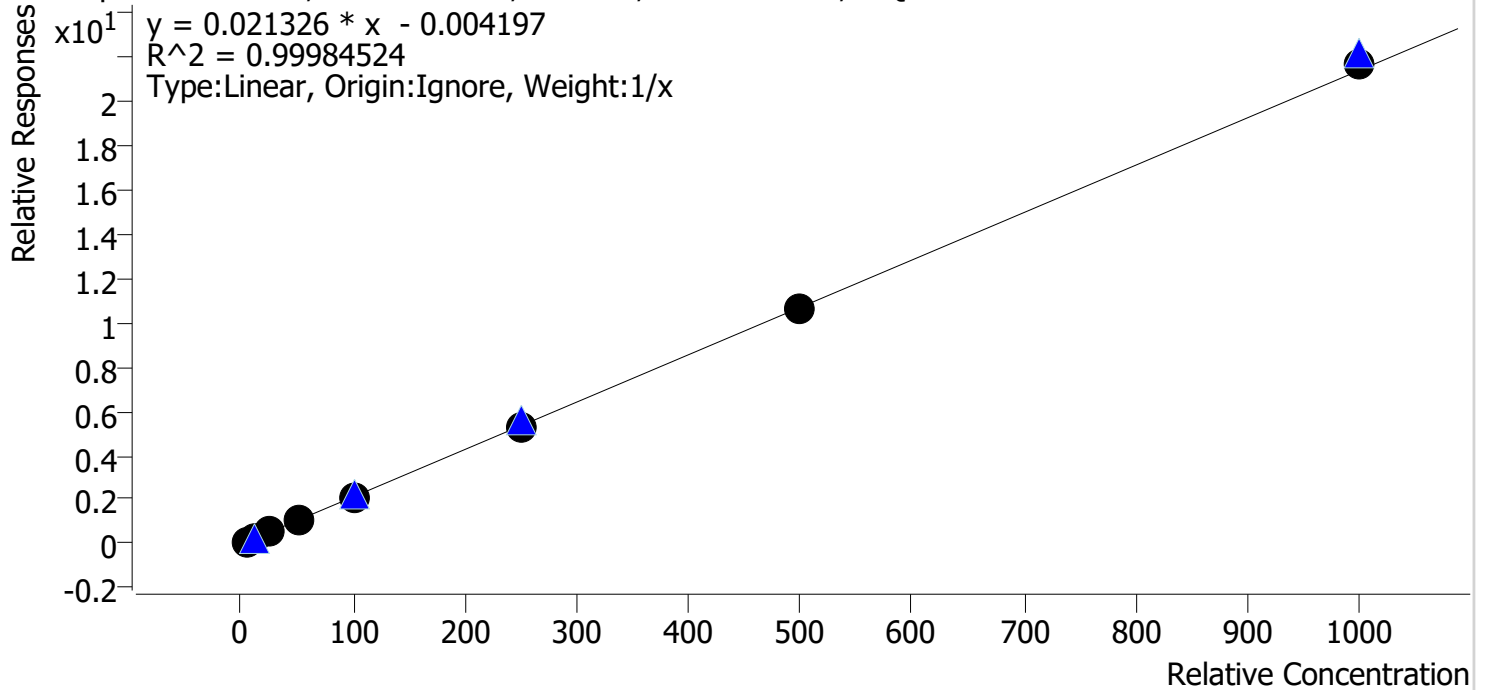


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	24.6	98.6
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	486.6	97.3
cal 8 mdq	8	✓	1000.0	1011.3	101.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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

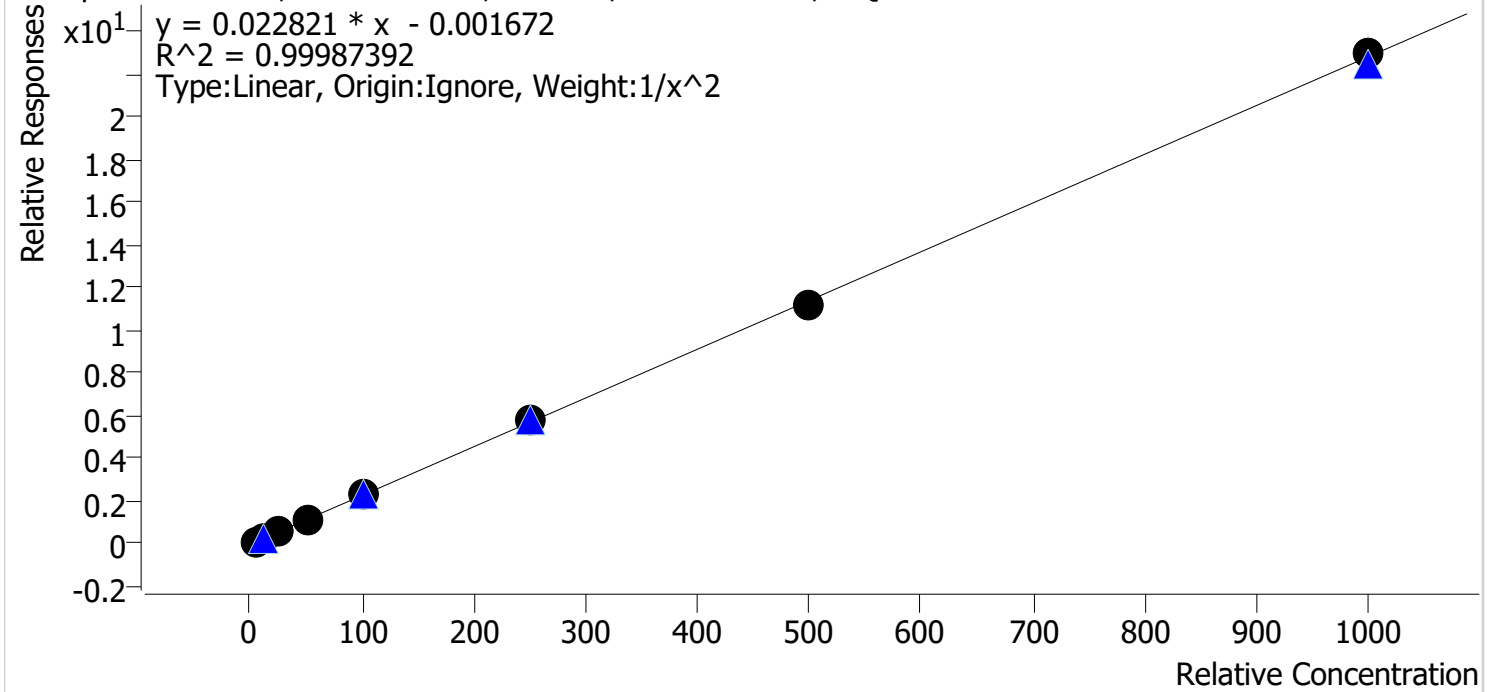


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.7
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	244.2	97.7
cal 7 mdq	7	✓	500.0	497.4	99.5
cal 8 mdq	8	✓	1000.0	1009.6	101.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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

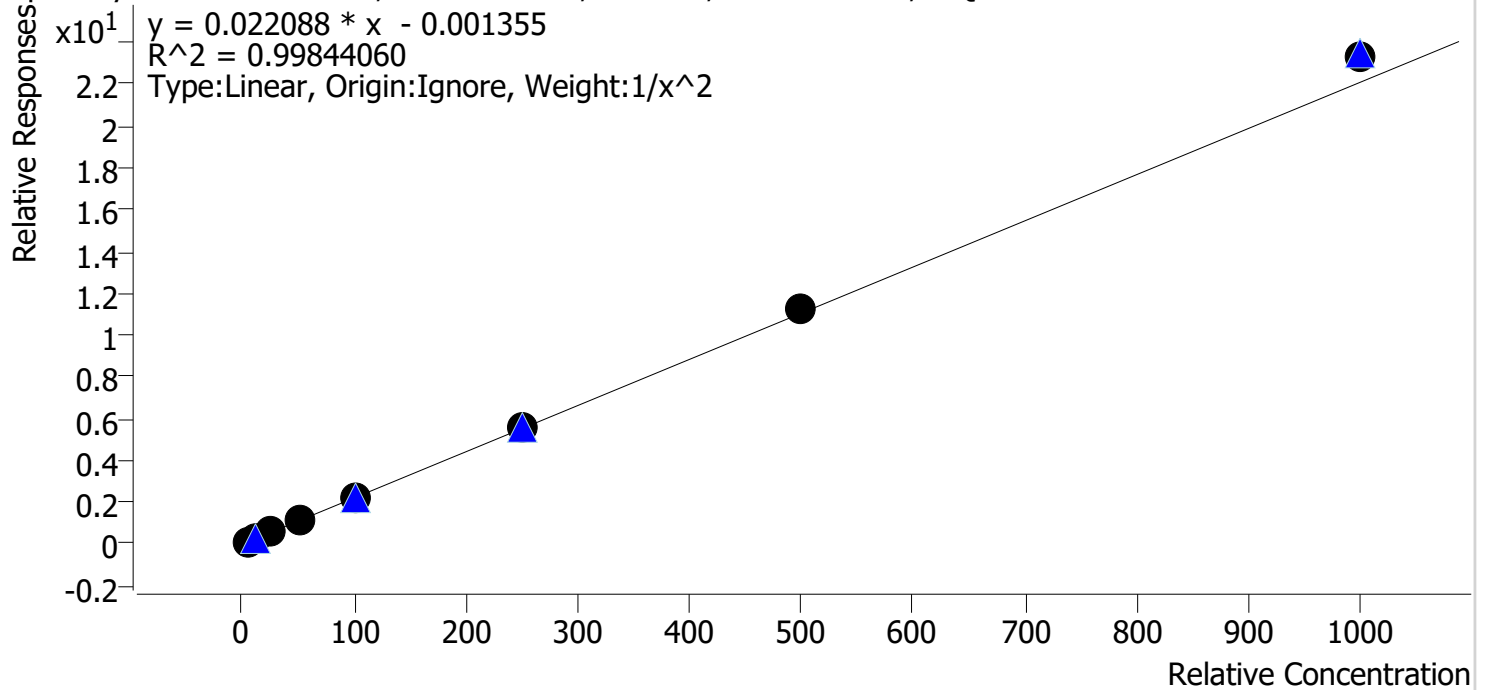


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.5
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	493.1	98.6
cal 8 mdq	8	✓	1000.0	1006.6	100.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

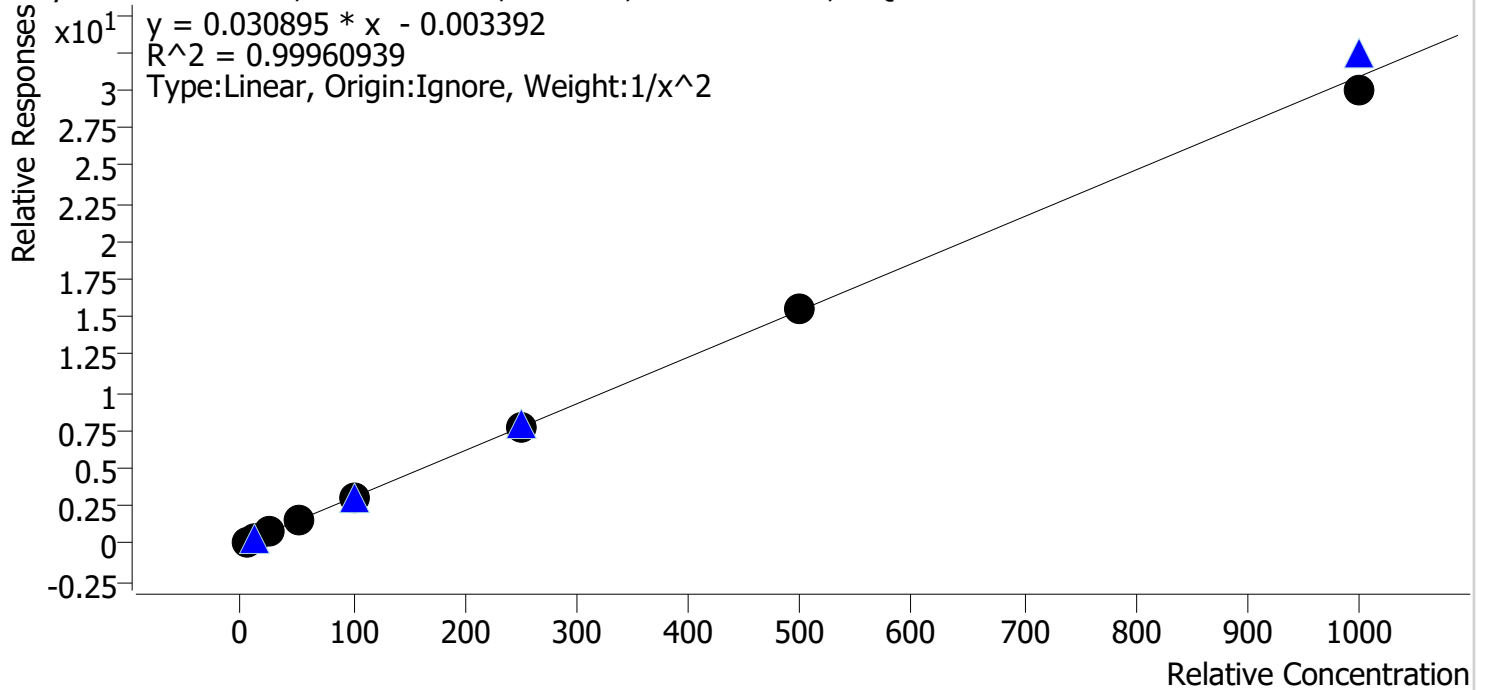


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.8
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	48.5	96.9
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	252.8	101.1
cal 7 mdq	7	✓	500.0	510.3	102.1
cal 8 mdq	8	✓	1000.0	1056.3	105.6

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\lam 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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

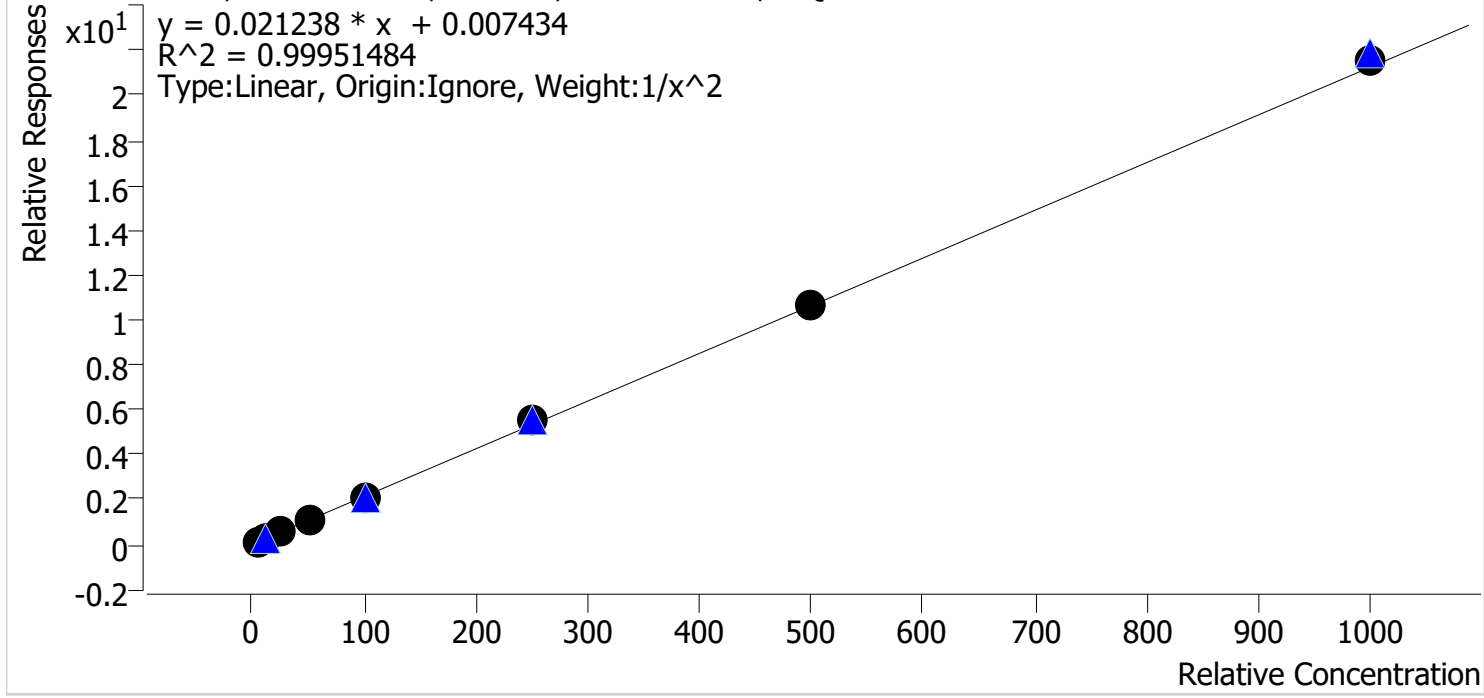


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	250.6	100.3
cal 7 mdq	7	✓	500.0	506.2	101.2
cal 8 mdq	8	✓	1000.0	970.4	97.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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

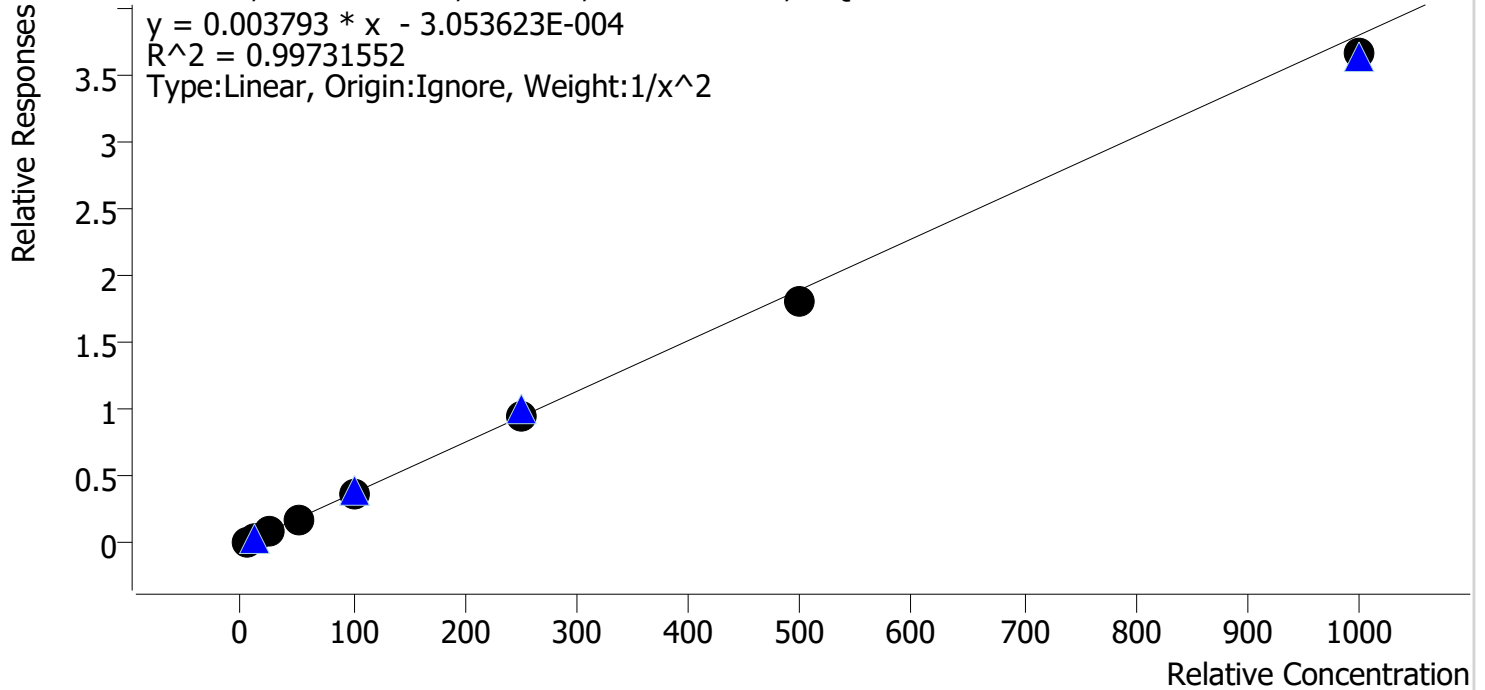


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	257.6	103.1
cal 7 mdq	7	✓	500.0	501.6	100.3
cal 8 mdq	8	✓	1000.0	1014.8	101.5

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Diazepam-D5

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



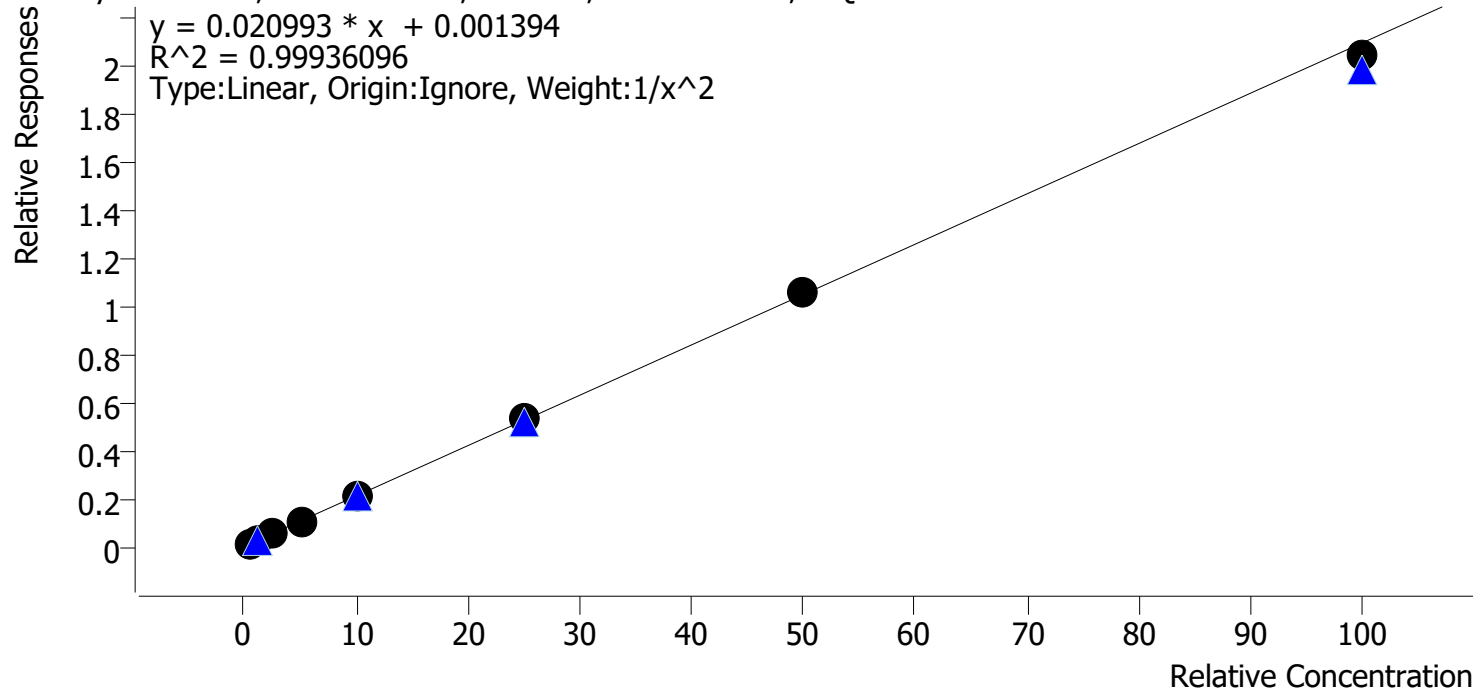
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.9
cal 2 mdq	2	✓	10.0	10.5	105.3
cal 3 mdq	3	✓	25.0	26.9	107.7
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	476.2	95.2
cal 8 mdq	8	✓	1000.0	963.5	96.4



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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

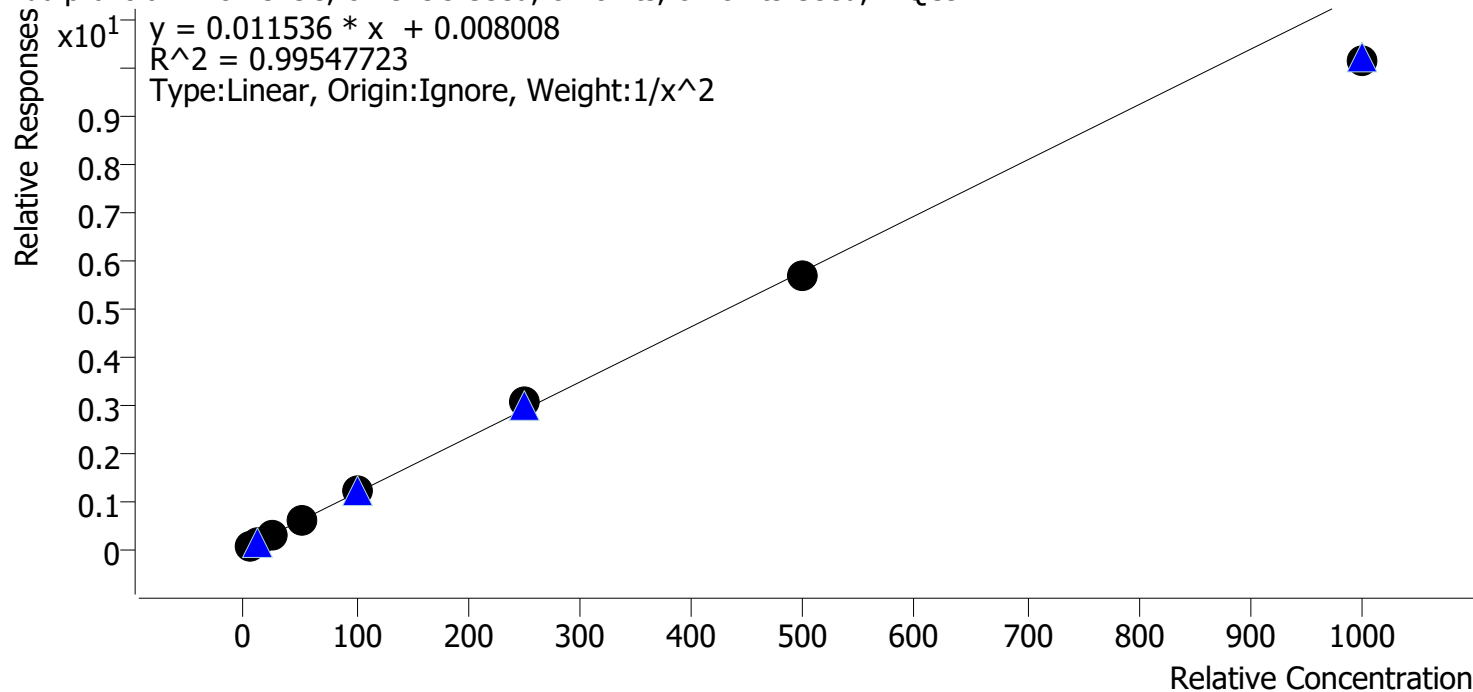


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.5
cal 2 mdq	2	✓	1.0	1.0	99.9
cal 3 mdq	3	✓	2.5	2.4	96.1
cal 4 mdq	4	✓	5.0	5.1	102.2
cal 5 mdq	5	✓	10.0	10.1	101.2
cal 6 mdq	6	✓	25.0	25.6	102.4
cal 7 mdq	7	✓	50.0	50.1	100.2
cal 8 mdq	8	✓	100.0	97.5	97.5

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

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

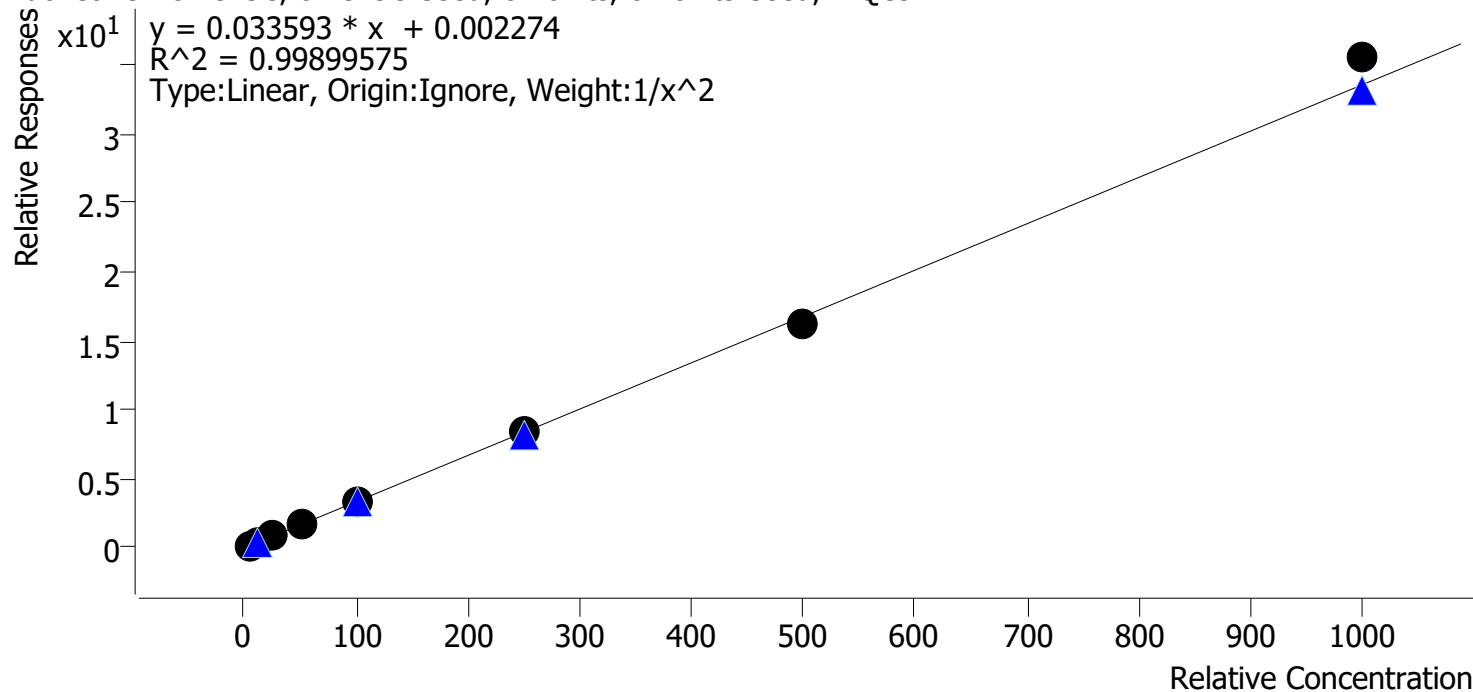


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	53.0	106.1
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	262.2	104.9
cal 7 mdq	7	✓	500.0	490.6	98.1
cal 8 mdq	8	✓	1000.0	877.0	87.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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

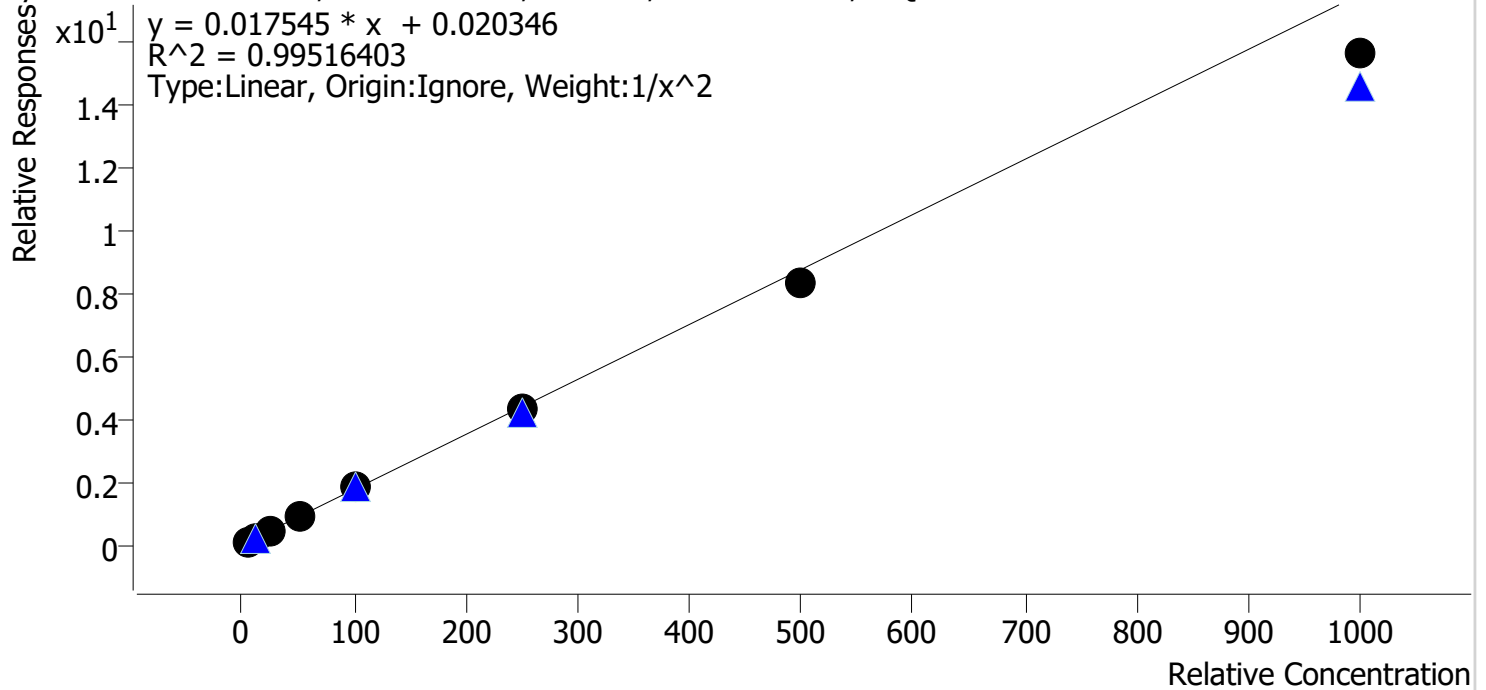


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	485.2	97.0
cal 8 mdq	8	✓	1000.0	1058.8	105.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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

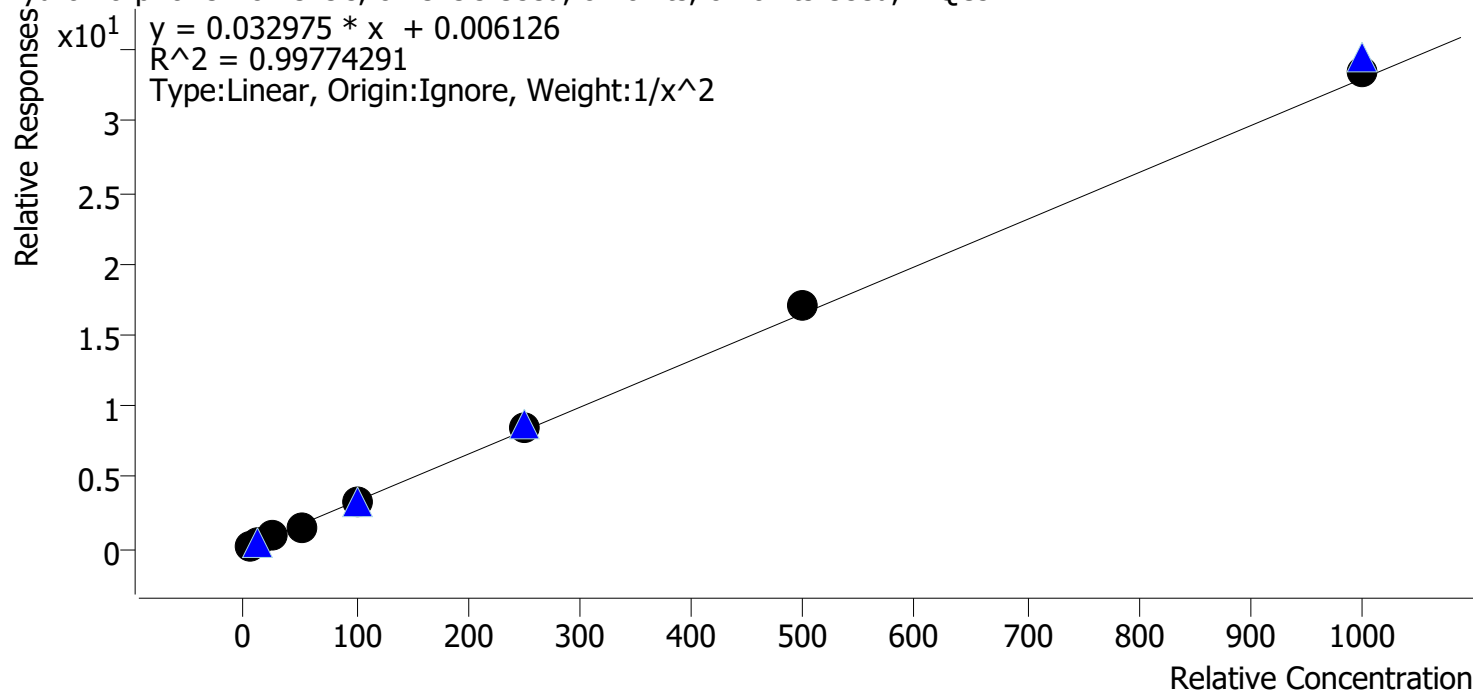


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	107.4	107.4
cal 6 mdq	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	475.7	95.1
cal 8 mdq	8	✓	1000.0	892.4	89.2

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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

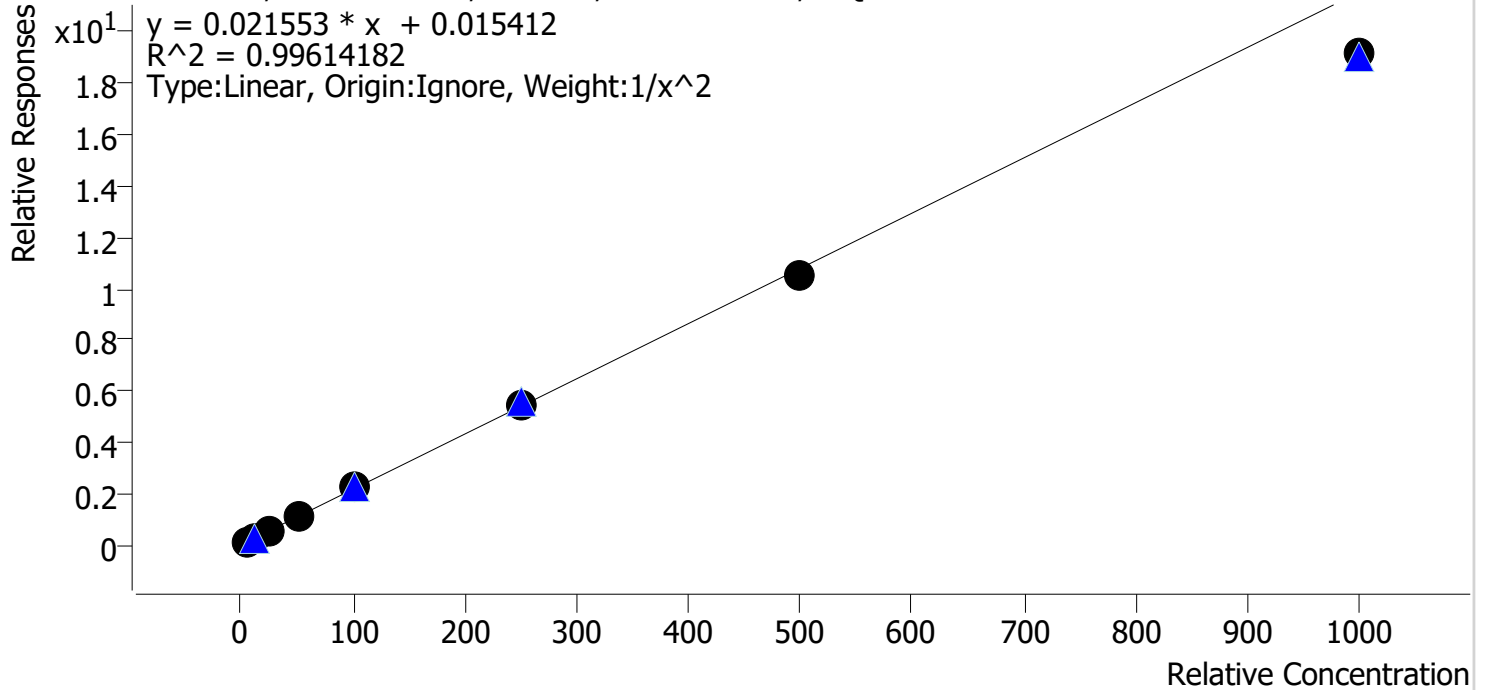


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	46.3	92.5
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	255.7	102.3
cal 7 mdq	7	✓	500.0	514.0	102.8
cal 8 mdq	8	✓	1000.0	1017.3	101.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

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

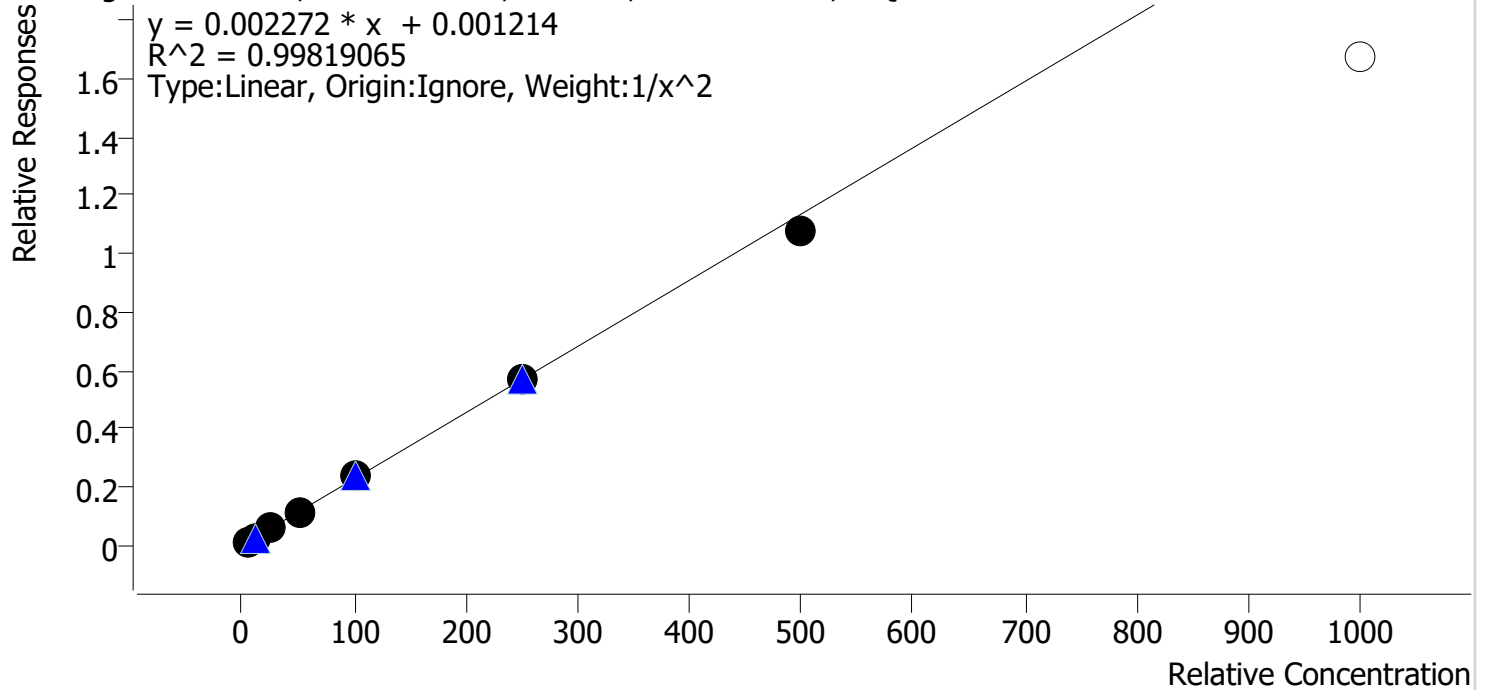


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	105.9	105.9
cal 6 mdq	6	✓	250.0	254.1	101.7
cal 7 mdq	7	✓	500.0	487.4	97.5
cal 8 mdq	8	✓	1000.0	888.9	88.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\lam 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** MDA-D5

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

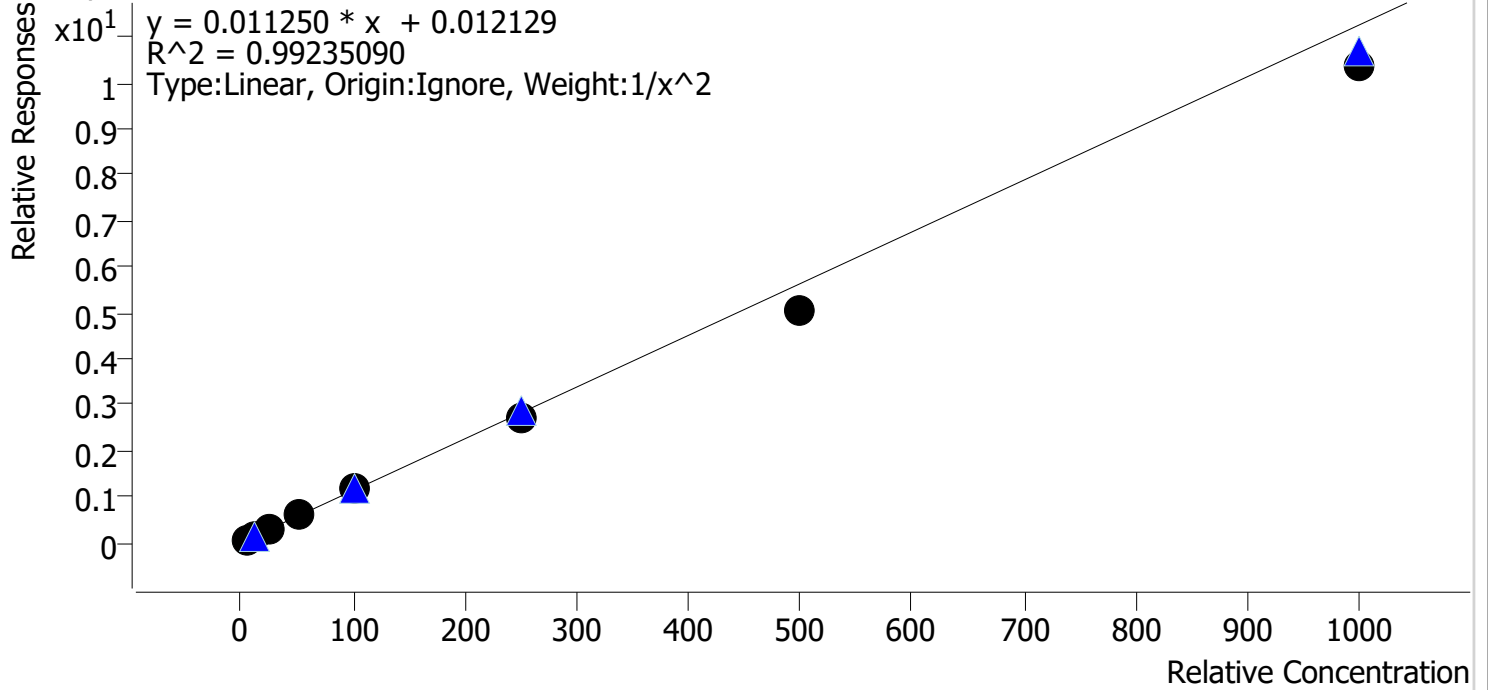


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	25.7	102.7
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	473.8	94.8
cal 8 mdq	8	✗	1000.0	739.5	74.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

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



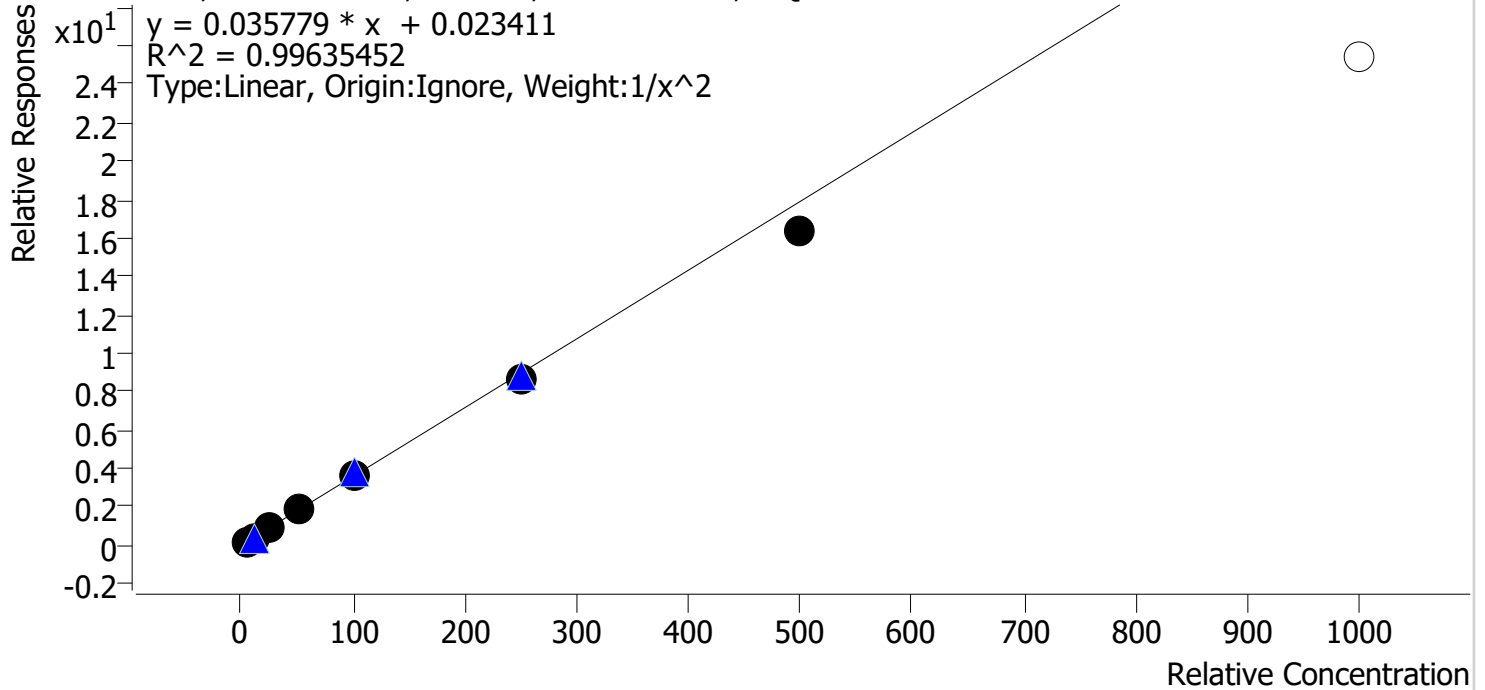
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	27.2	108.8
cal 4 mdq	4	✓	50.0	55.5	111.0
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	243.1	97.3
cal 7 mdq	7	✓	500.0	448.9	89.8
cal 8 mdq	8	✓	1000.0	917.9	91.8



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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

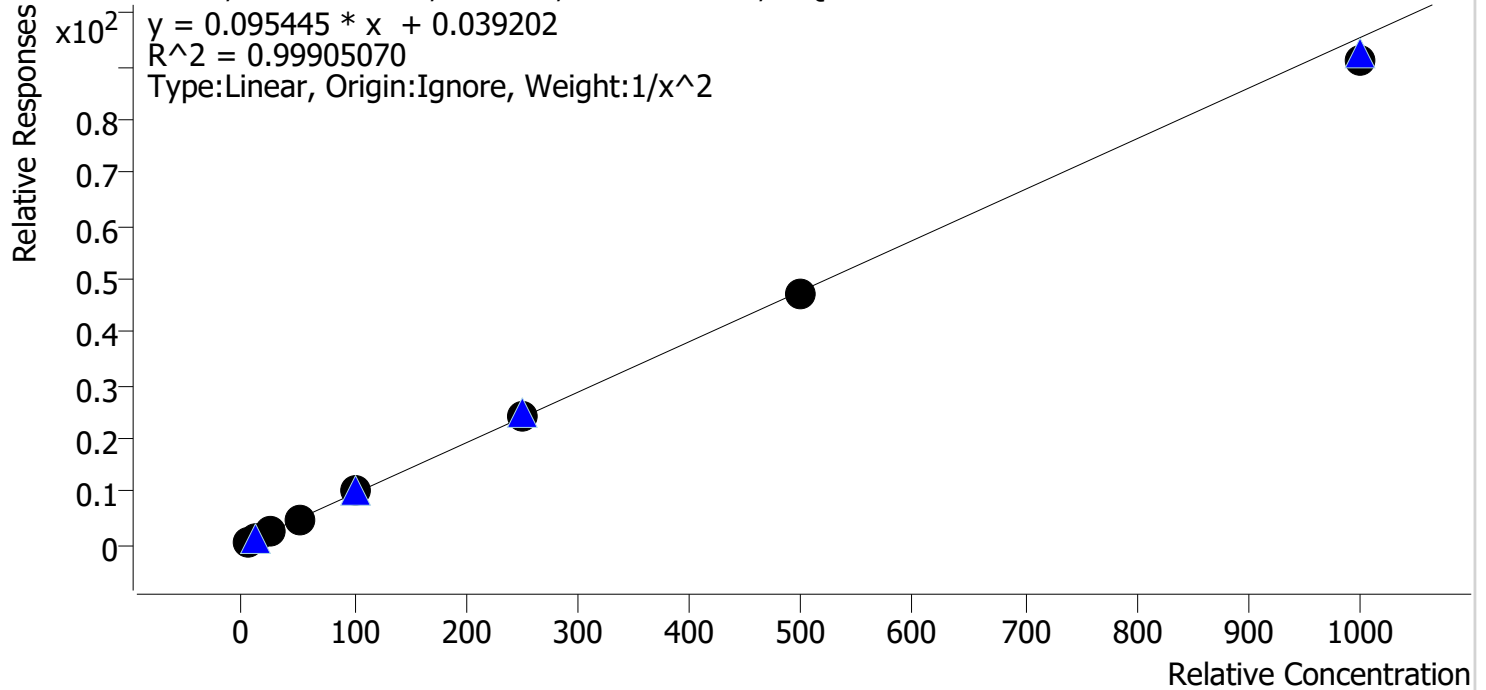


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	25.7	102.7
cal 4 mdq	4	✓	50.0	53.7	107.4
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	242.6	97.0
cal 7 mdq	7	✓	500.0	457.4	91.5
cal 8 mdq	8	✗	1000.0	712.7	71.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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

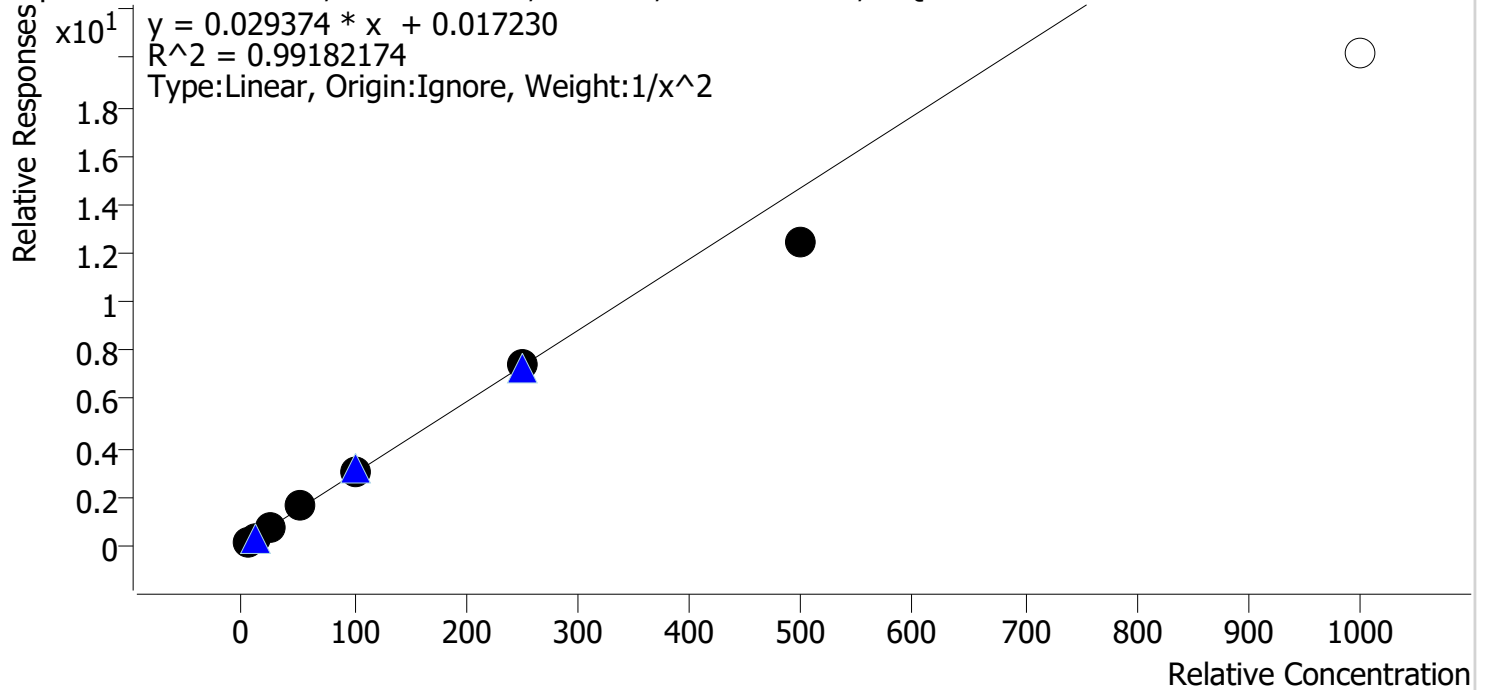


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	104.4	104.4
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	953.4	95.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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

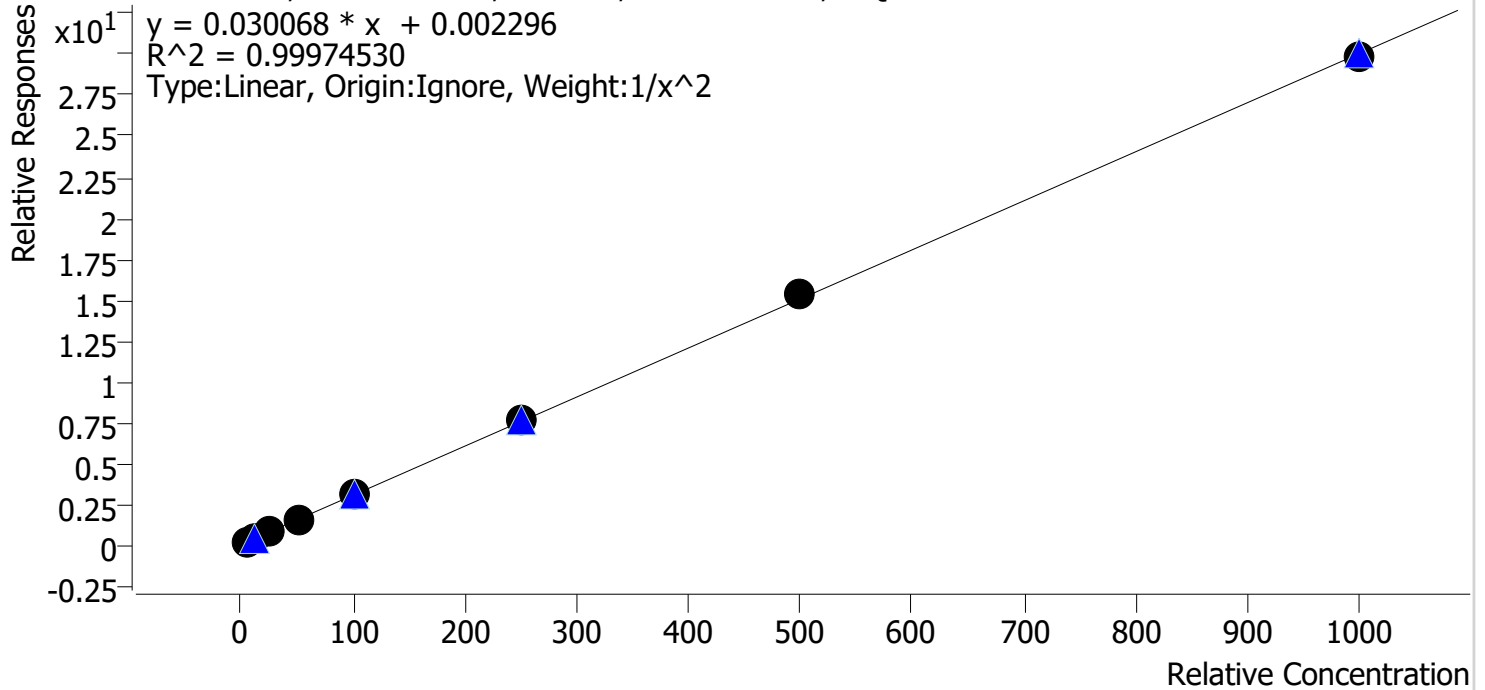


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.3	102.9
cal 3 mdq	3	✓	25.0	26.5	106.0
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	425.8	85.2
cal 8 mdq	8	✗	1000.0	687.1	68.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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

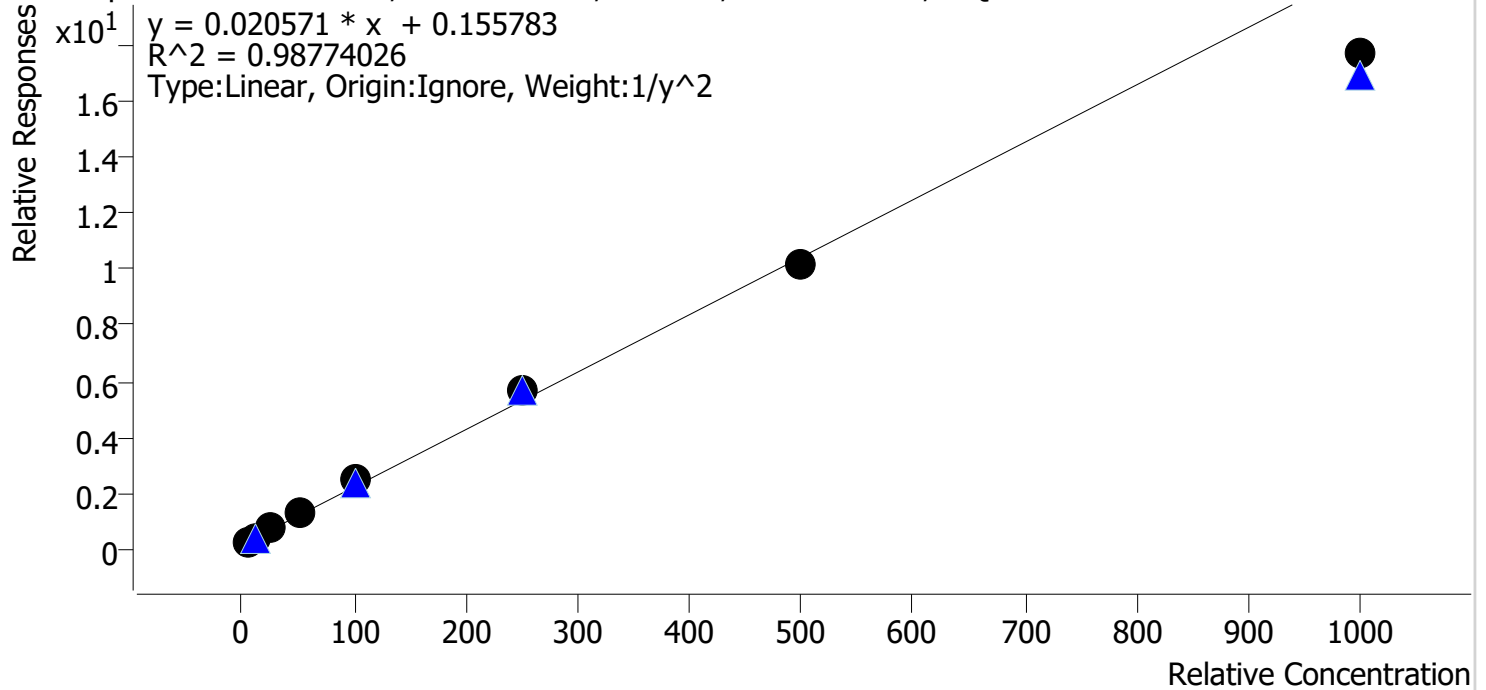


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	507.8	101.6
cal 8 mdq	8	✓	1000.0	991.6	99.2

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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

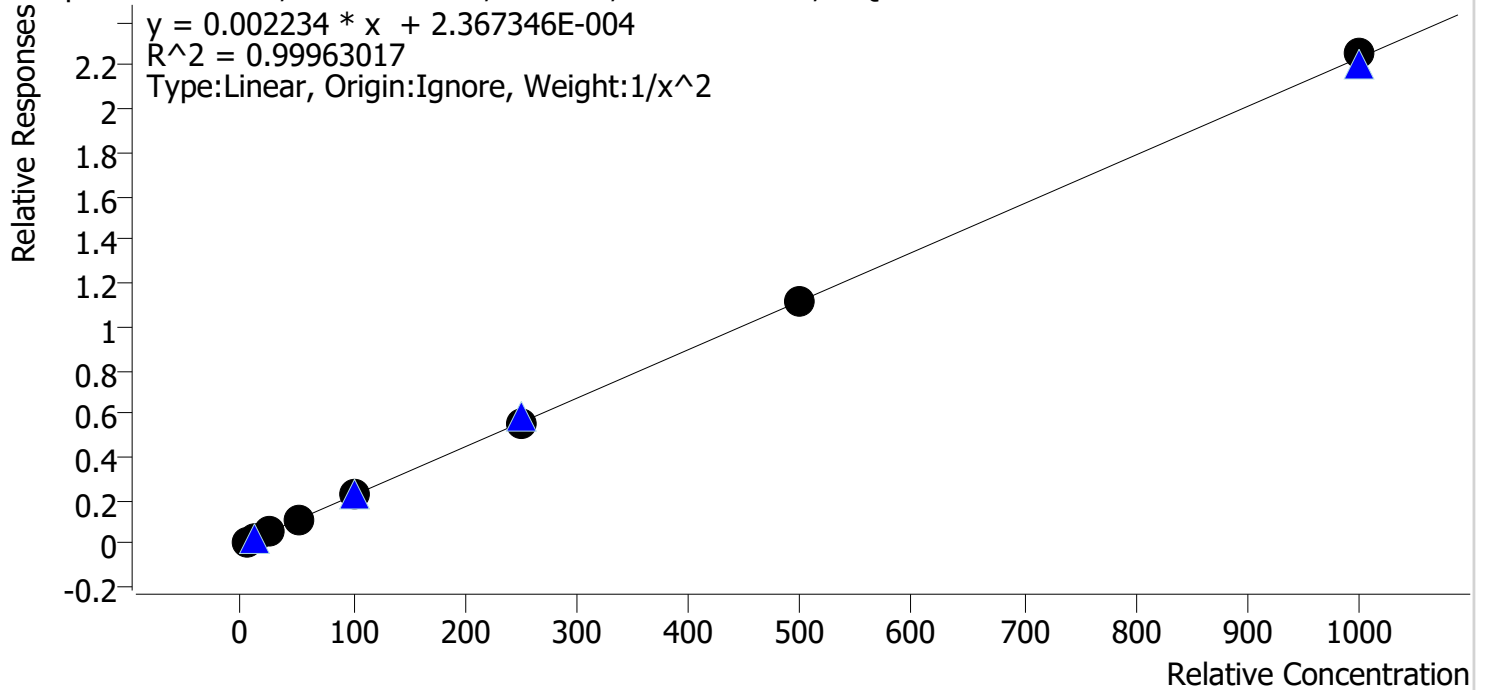


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.8
cal 2 mdq	2	✓	10.0	9.5	94.6
cal 3 mdq	3	✓	25.0	27.0	108.1
cal 4 mdq	4	✓	50.0	53.5	106.9
cal 5 mdq	5	✓	100.0	113.5	113.5
cal 6 mdq	6	✓	250.0	269.3	107.7
cal 7 mdq	7	✓	500.0	489.7	97.9
cal 8 mdq	8	✓	1000.0	854.4	85.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Pseudoephedrine-D3

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

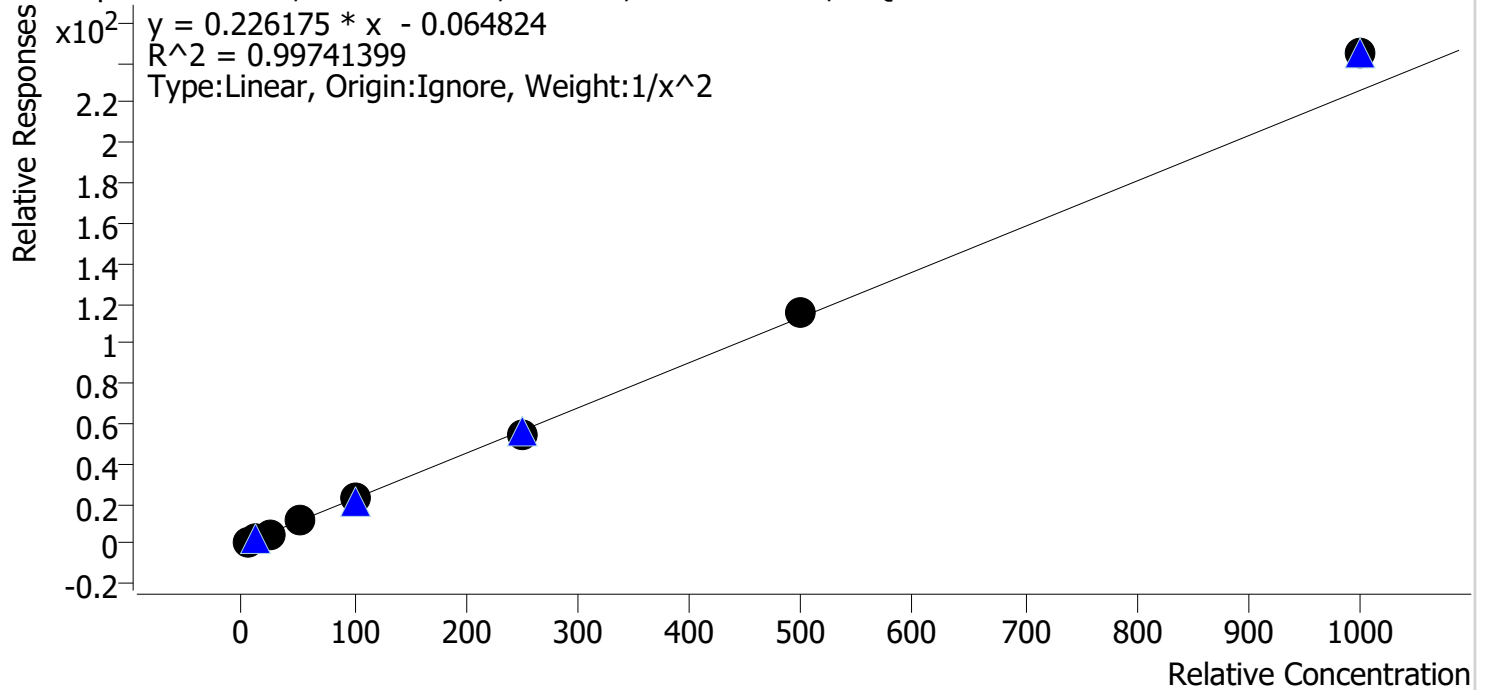


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.3	102.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	496.5	99.3
cal 8 mdq	8	✓	1000.0	1008.8	100.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** MDMA-D6

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

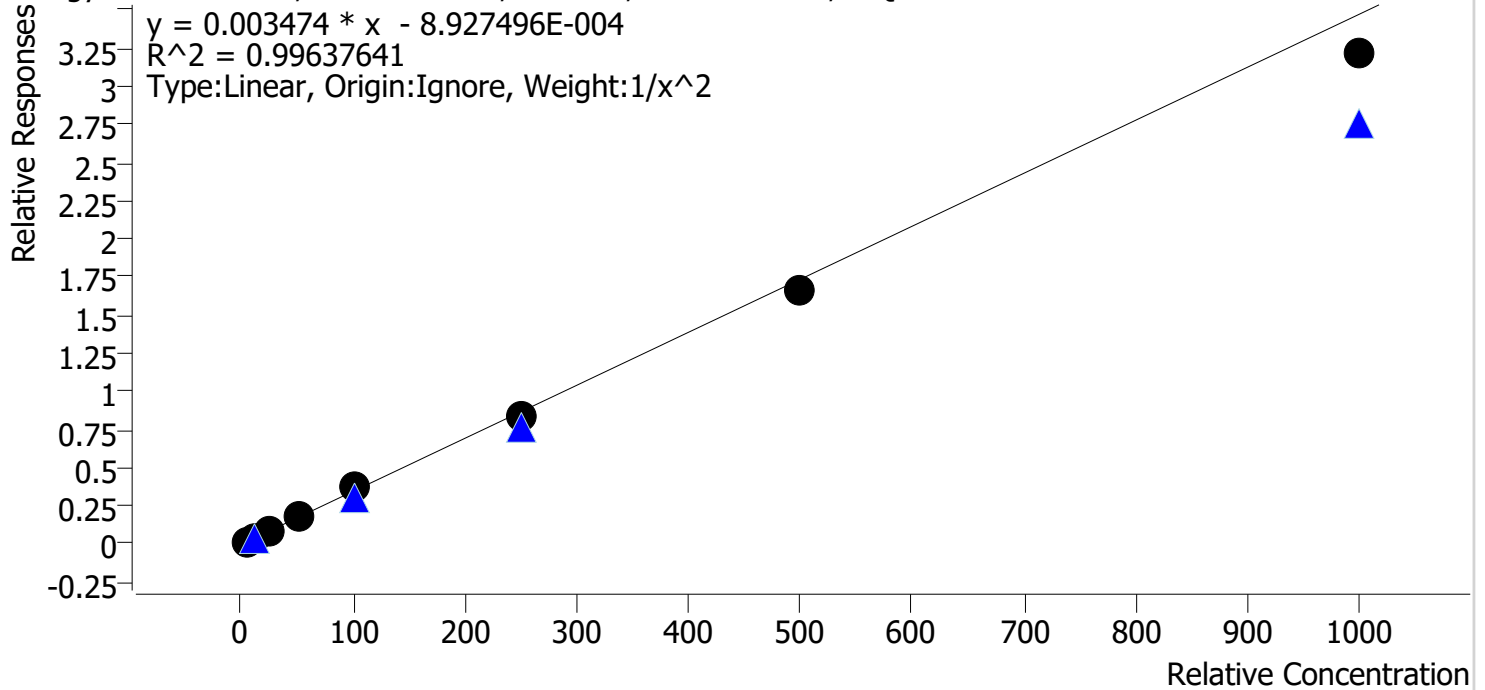


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	23.6	94.3
cal 4 mdq	4	✓	50.0	48.9	97.9
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	243.8	97.5
cal 7 mdq	7	✓	500.0	511.8	102.4
cal 8 mdq	8	✓	1000.0	1081.1	108.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Pseudoephedrine-D3

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

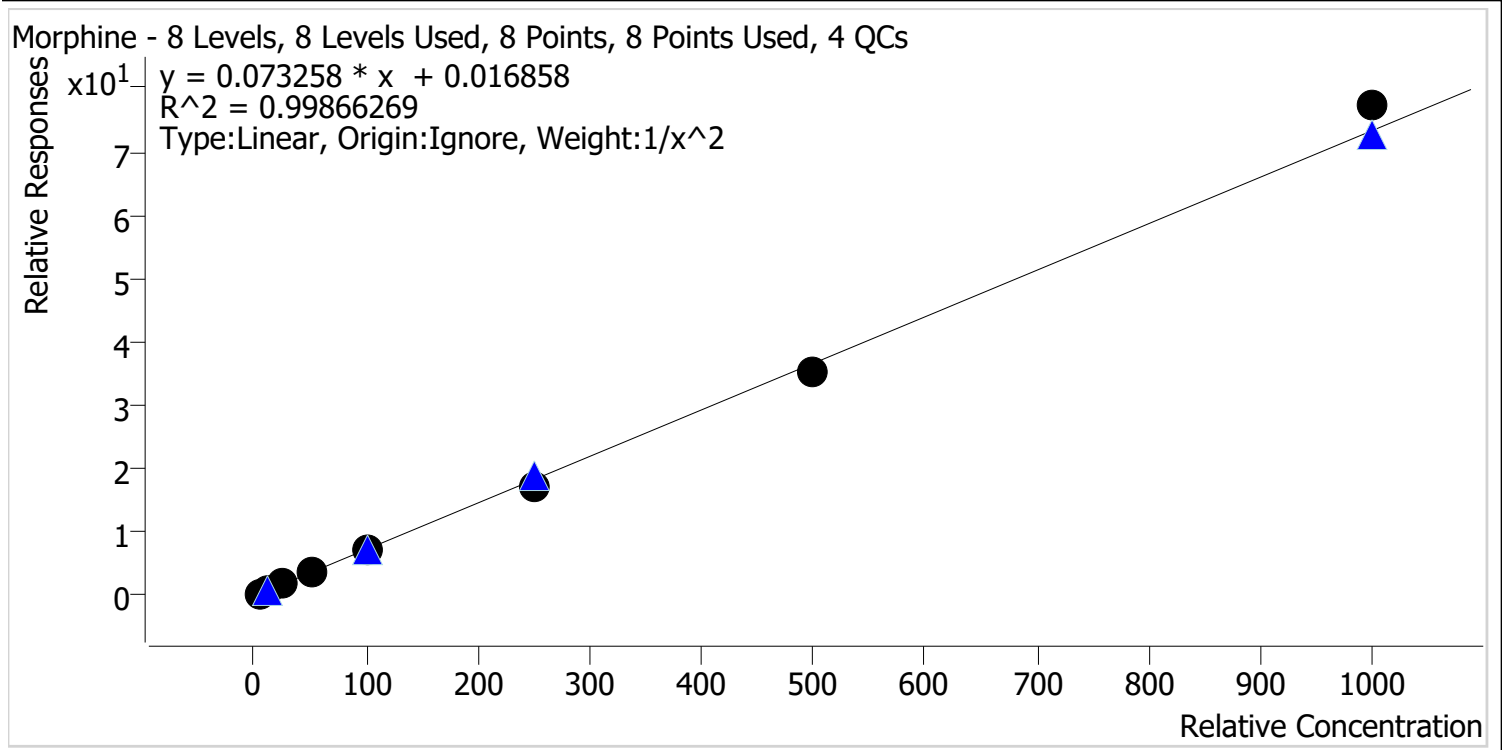


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.5	104.6
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	107.9	107.9
cal 6 mdq	6	✓	250.0	242.5	97.0
cal 7 mdq	7	✓	500.0	479.4	95.9
cal 8 mdq	8	✓	1000.0	925.8	92.6



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

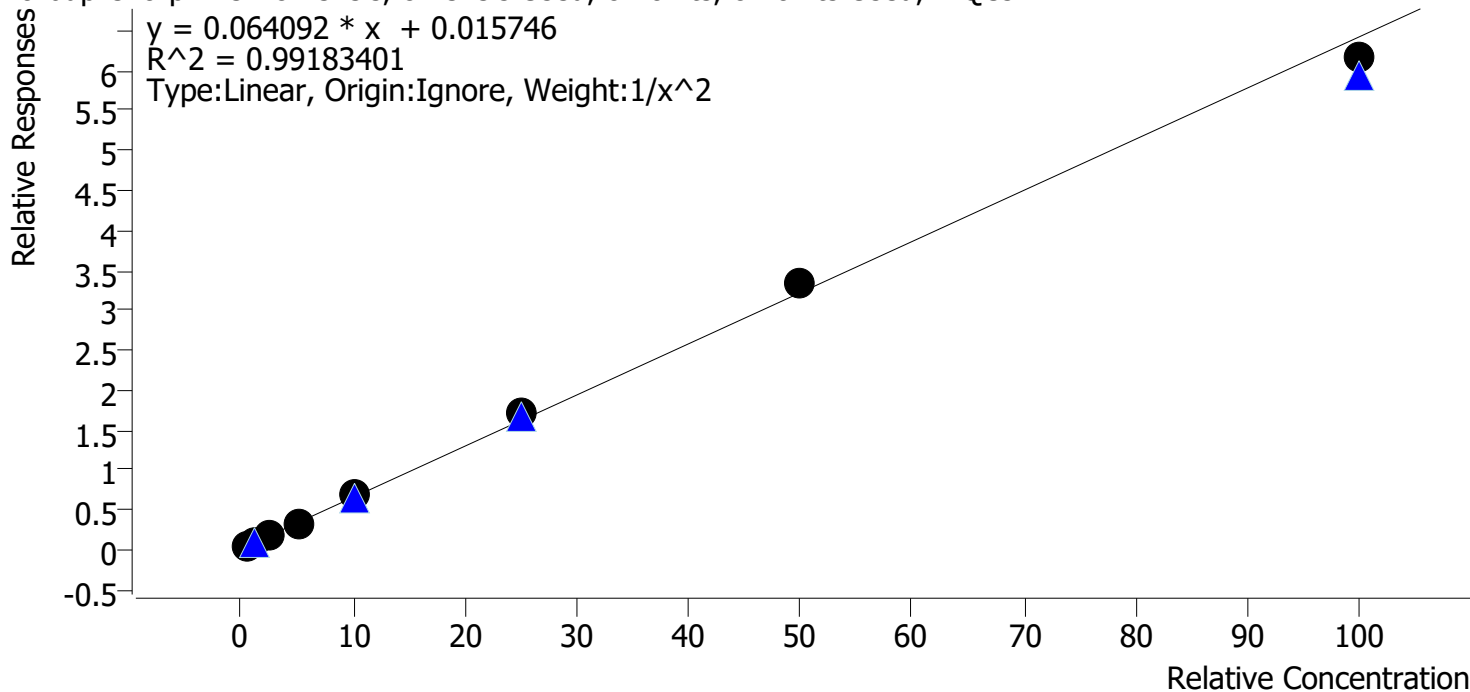


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	238.5	95.4
cal 7 mdq	7	✓	500.0	481.1	96.2
cal 8 mdq	8	✓	1000.0	1053.8	105.4

# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	11/7/2022 11:28 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Norbuprenorphine	<b>Internal Standard</b>	Norbuprenorphine-D3

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

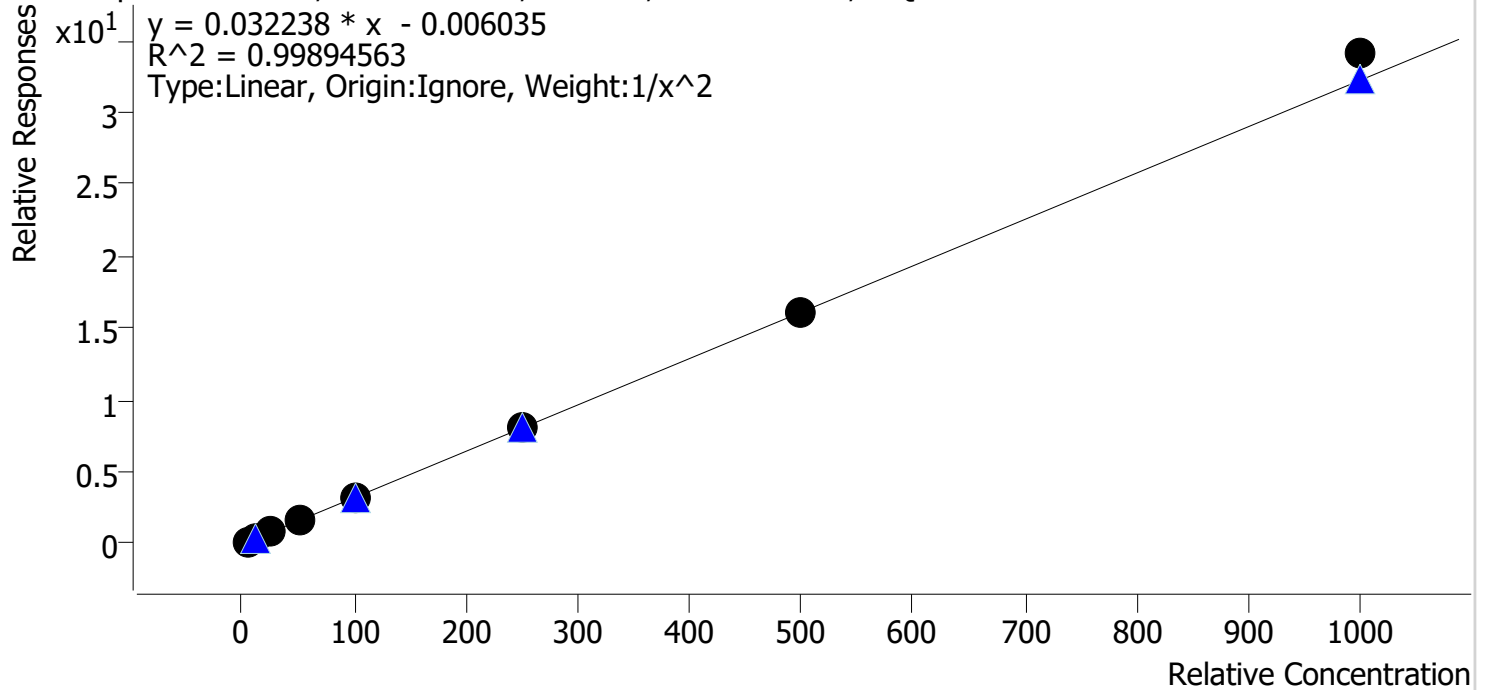


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	108.1
cal 2 mdq	2	✓	1.0	0.8	84.1
cal 3 mdq	3	✓	2.5	2.5	98.5
cal 4 mdq	4	✓	5.0	4.9	97.5
cal 5 mdq	5	✓	10.0	10.4	104.4
cal 6 mdq	6	✓	25.0	26.8	107.3
cal 7 mdq	7	✓	50.0	52.1	104.2
cal 8 mdq	8	✓	100.0	95.9	95.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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

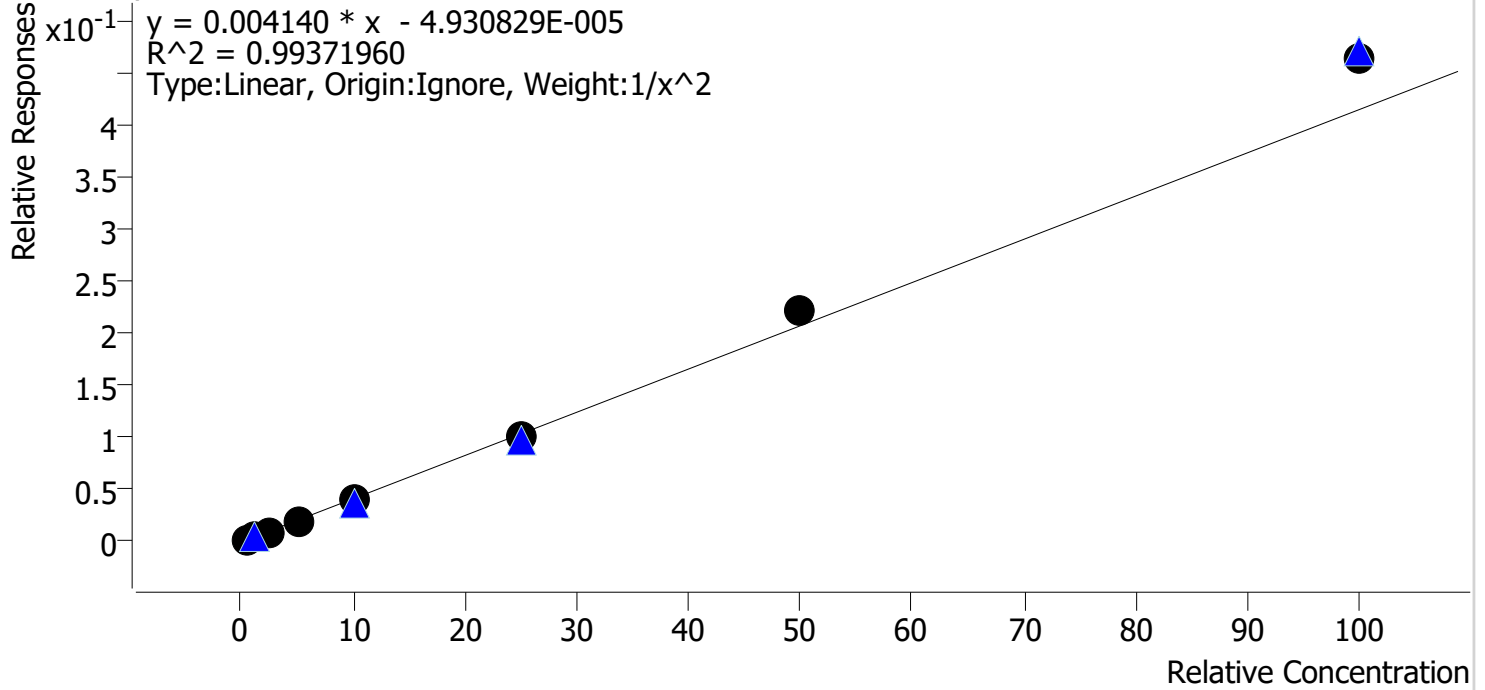


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	96.9	96.9
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	502.5	100.5
cal 8 mdq	8	✓	1000.0	1057.6	105.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

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

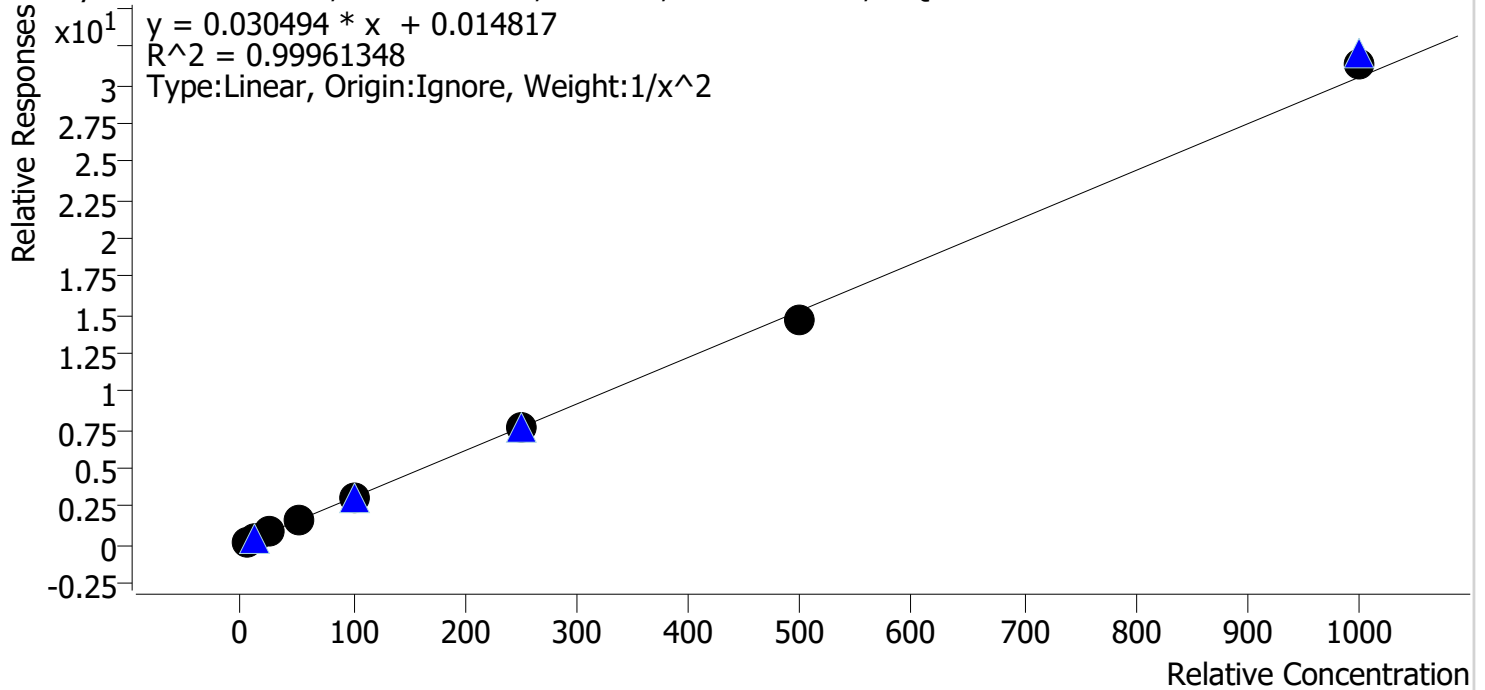


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.3
cal 2 mdq	2	✓	1.0	1.0	95.6
cal 3 mdq	3	✓	2.5	2.3	92.3
cal 4 mdq	4	✓	5.0	4.8	96.0
cal 5 mdq	5	✓	10.0	9.5	94.5
cal 6 mdq	6	✓	25.0	24.6	98.3
cal 7 mdq	7	✓	50.0	53.7	107.4
cal 8 mdq	8	✓	100.0	111.5	111.5

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

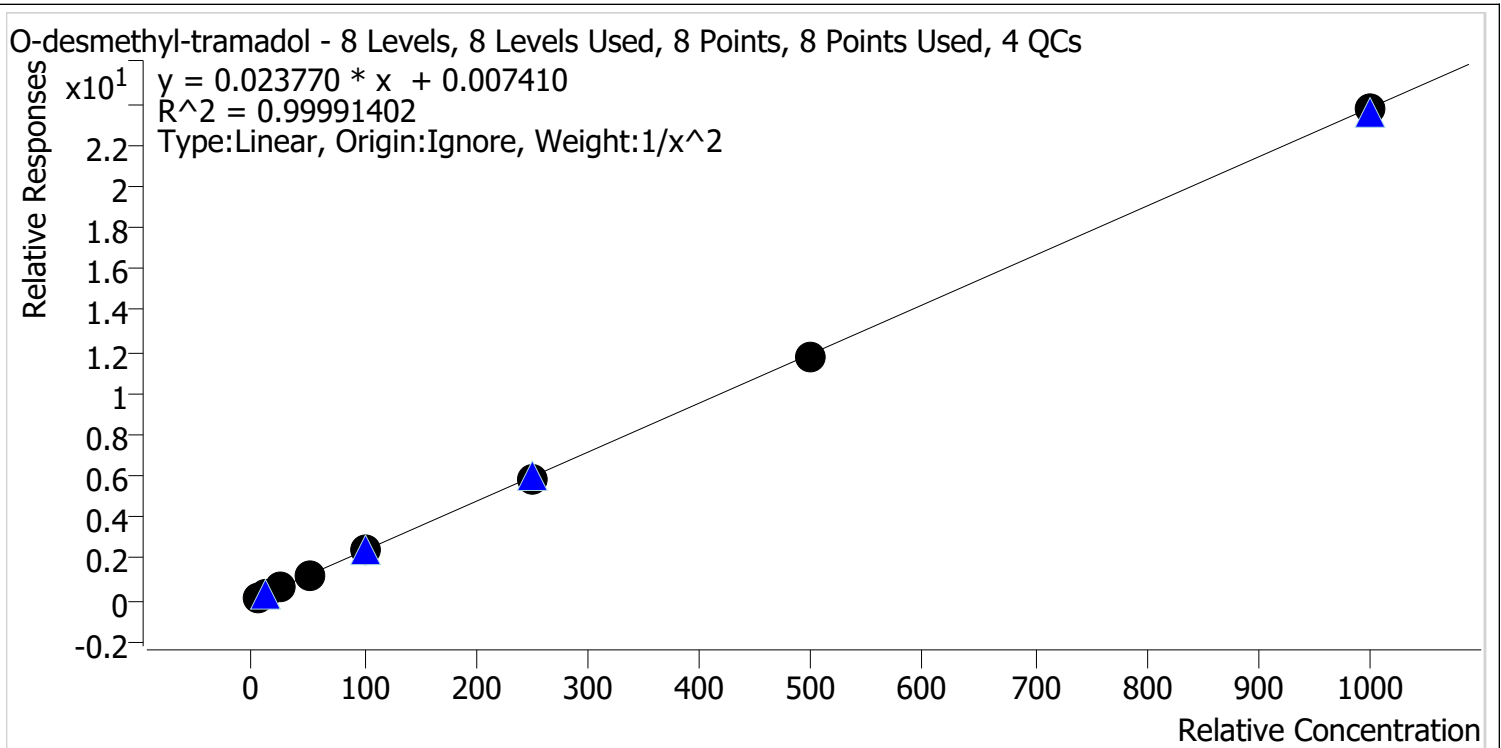
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	482.6	96.5
cal 8 mdq	8	✓	1000.0	1027.4	102.7

# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	11/7/2022 11:28 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	O-desmethyl-tramadol	<b>Internal Standard</b>	O-desmethyl-tramadol-D6

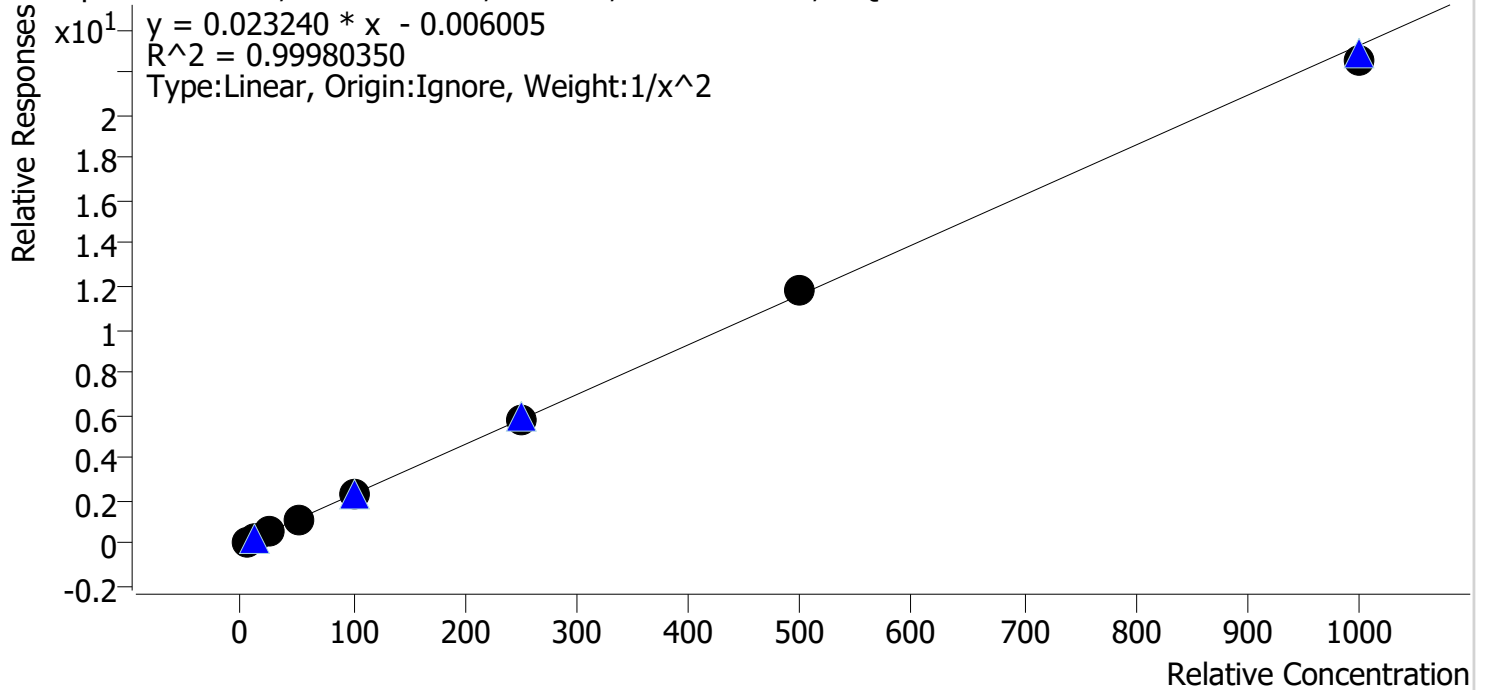


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	496.2	99.2
cal 8 mdq	8	✓	1000.0	997.0	99.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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

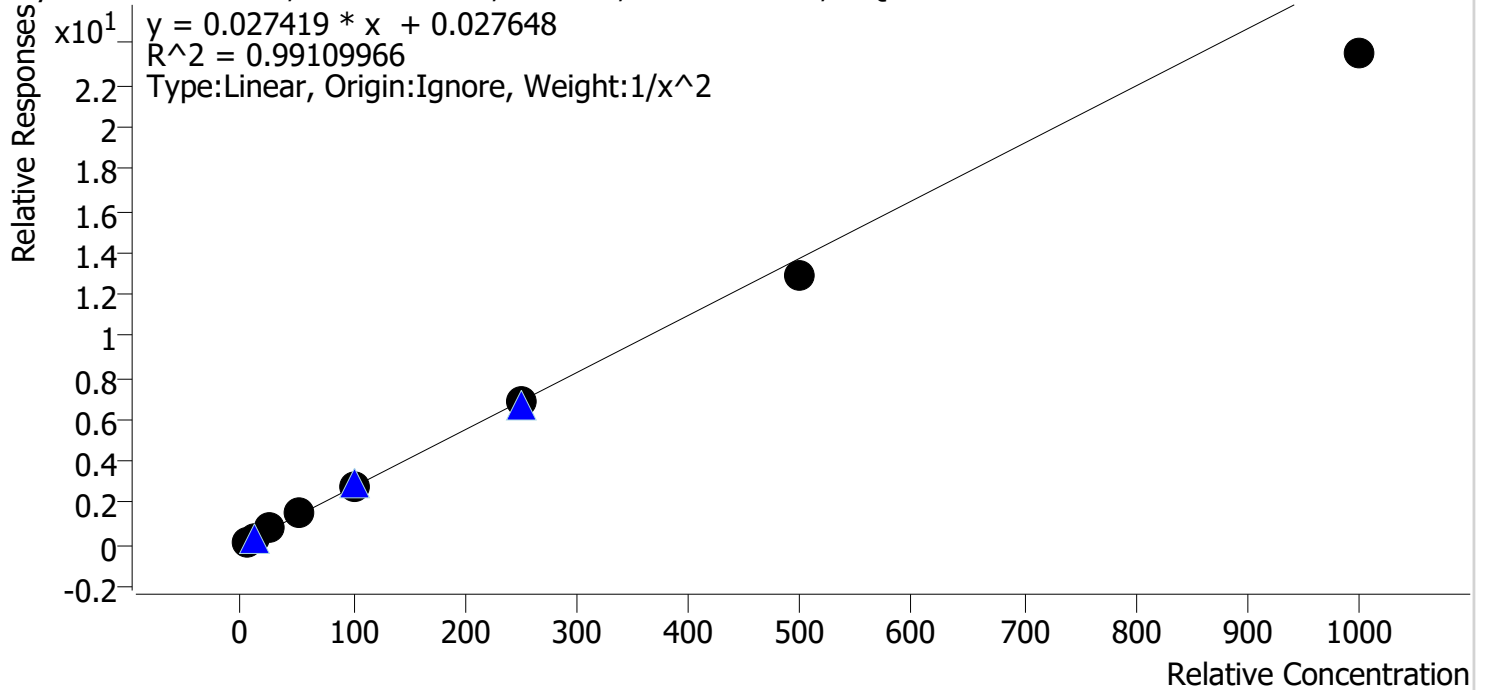


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	505.5	101.1
cal 8 mdq	8	✓	1000.0	972.7	97.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



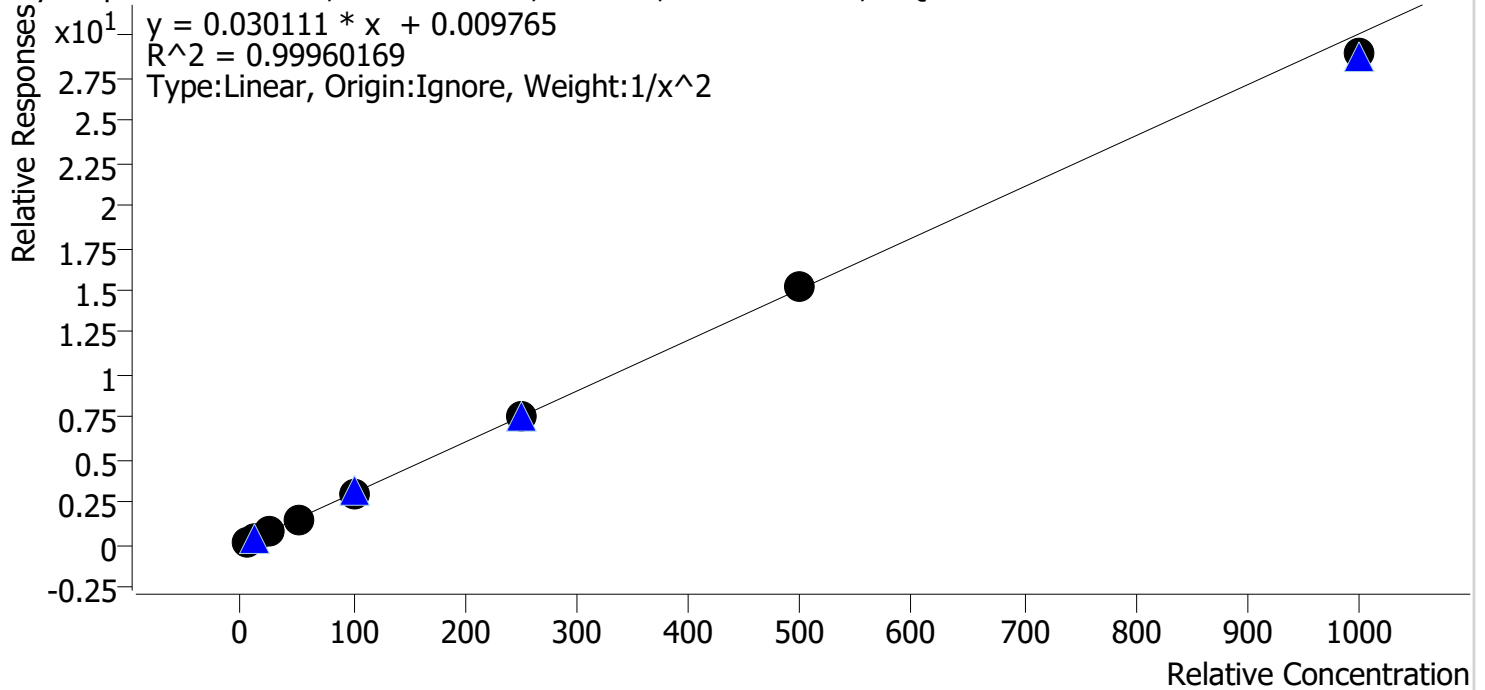
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.7
cal 2 mdq	2	✓	10.0	10.5	105.3
cal 3 mdq	3	✓	25.0	27.1	108.5
cal 4 mdq	4	✓	50.0	54.6	109.2
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	467.7	93.5
cal 8 mdq	8	✓	1000.0	856.8	85.7



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\lam 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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

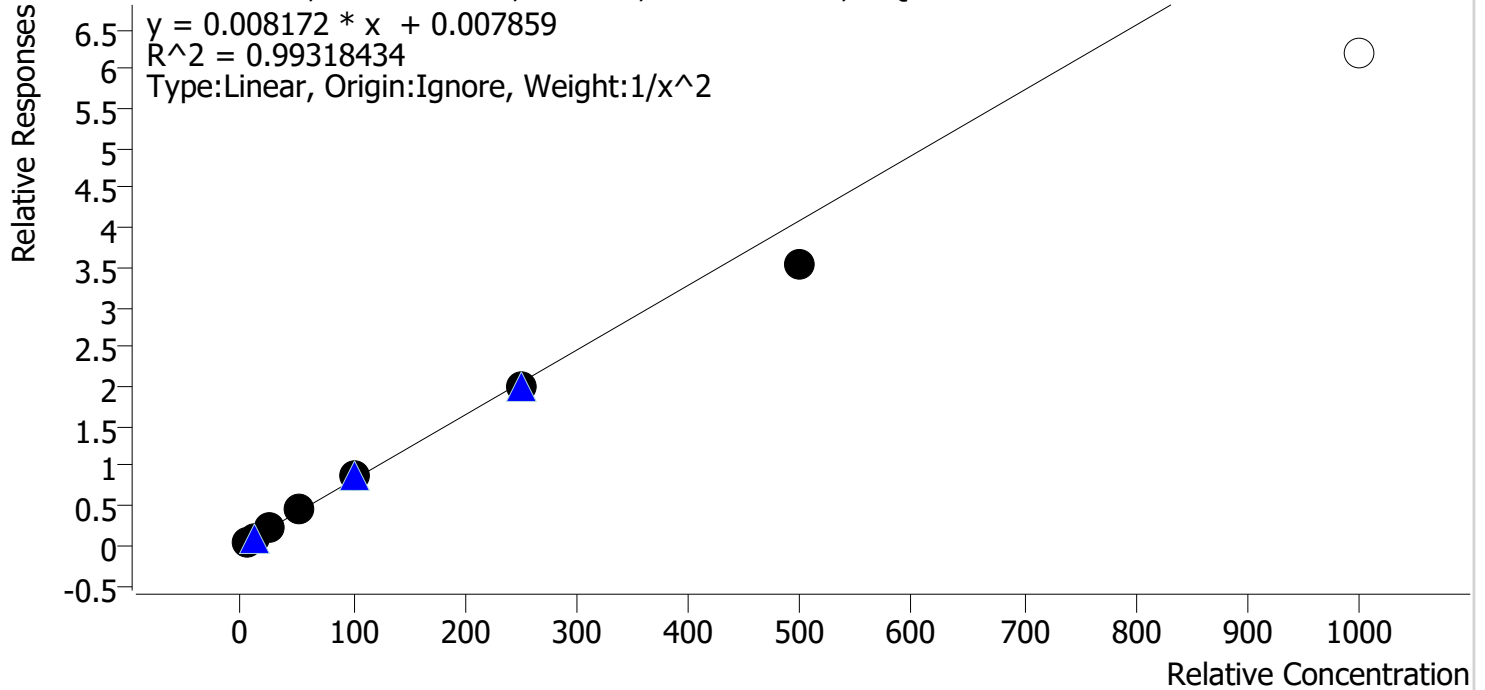


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	49.8	99.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	253.1	101.2
cal 7 mdq	7	✓	500.0	504.1	100.8
cal 8 mdq	8	✓	1000.0	961.1	96.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

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

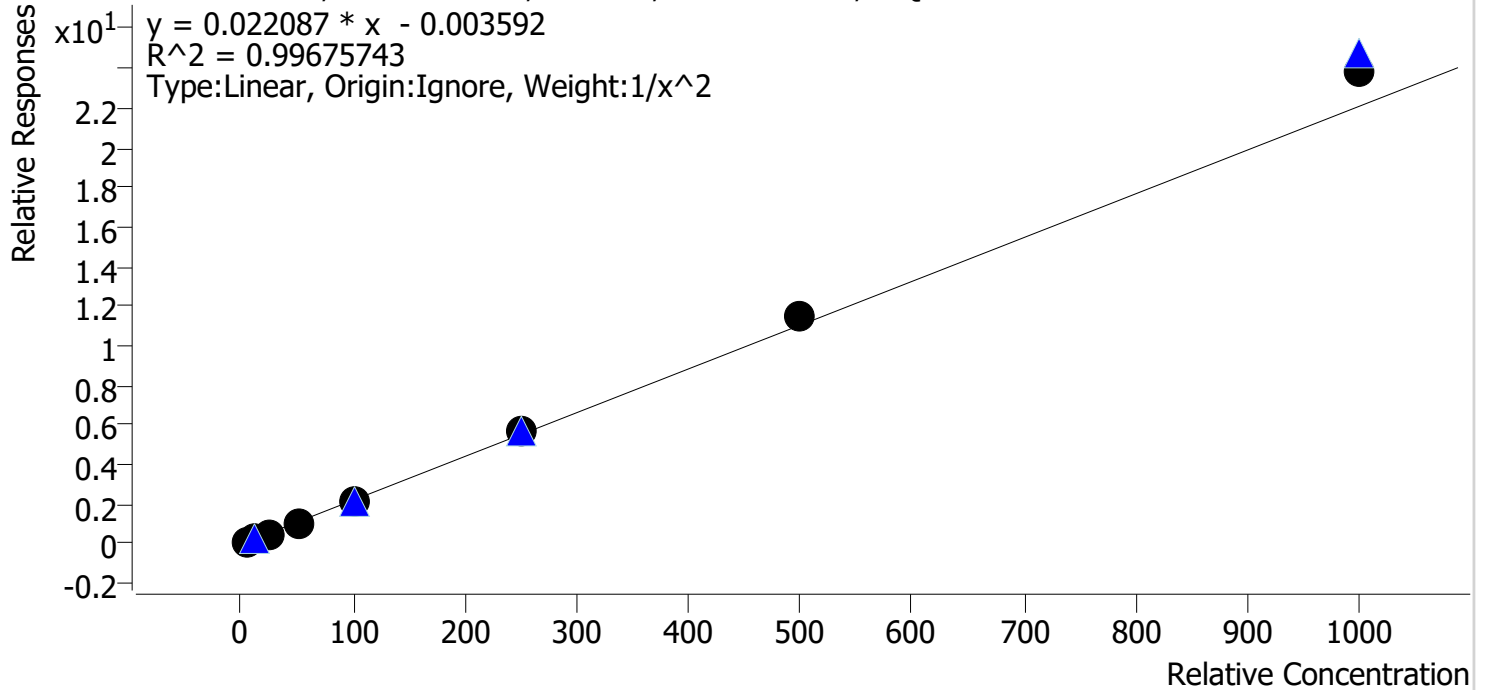


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	26.6	106.3
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	242.5	97.0
cal 7 mdq	7	✓	500.0	434.2	86.8
cal 8 mdq	8	✗	1000.0	756.6	75.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

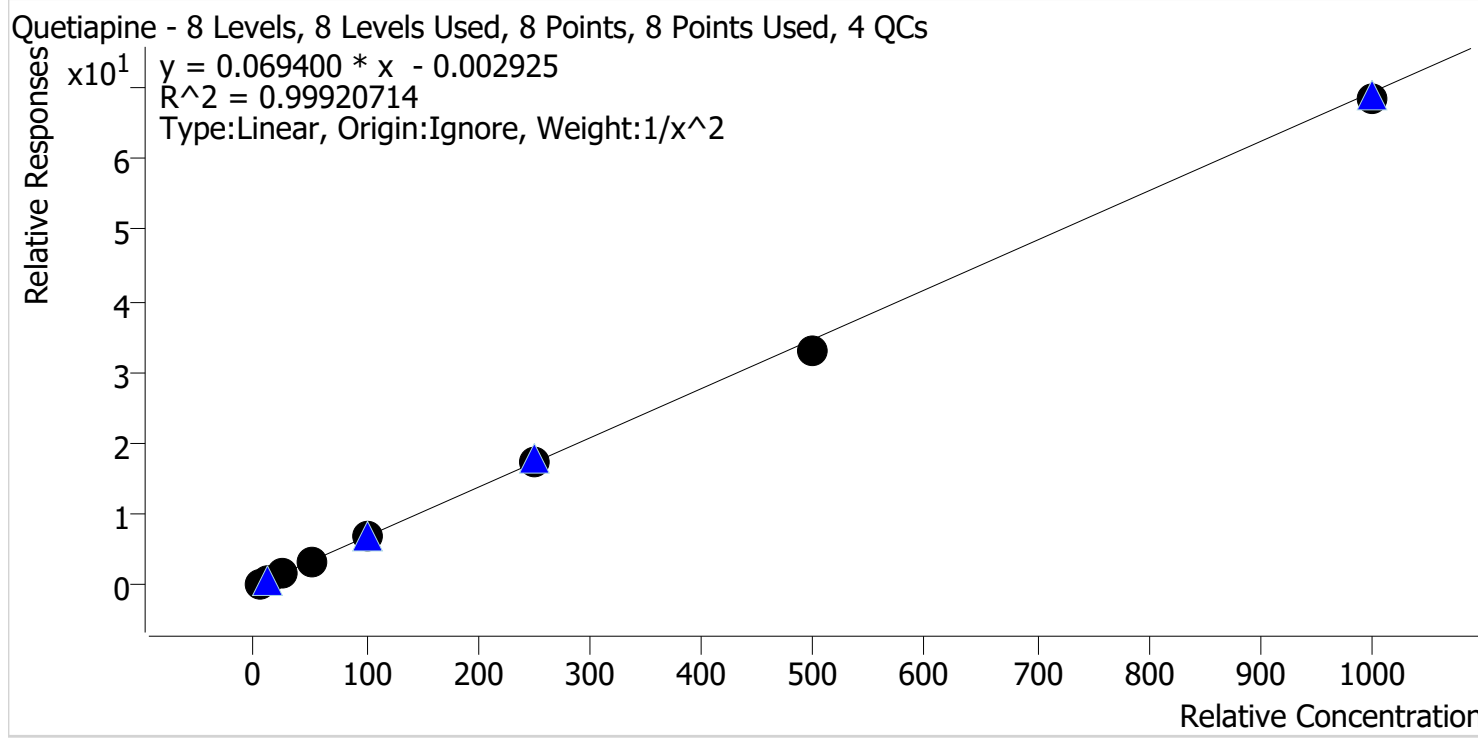
Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	23.7	94.8
cal 4 mdq	4	✓	50.0	47.9	95.7
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	516.3	103.3
cal 8 mdq	8	✓	1000.0	1082.6	108.3

# Compound Calibration Report

**Batch results**      D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update**     11/7/2022 11:28 AM  
**Analyst Name**        ISP\datastor  
**Analyte**                Quetiapine                                      **Internal Standard**                      Quetiapine-D8

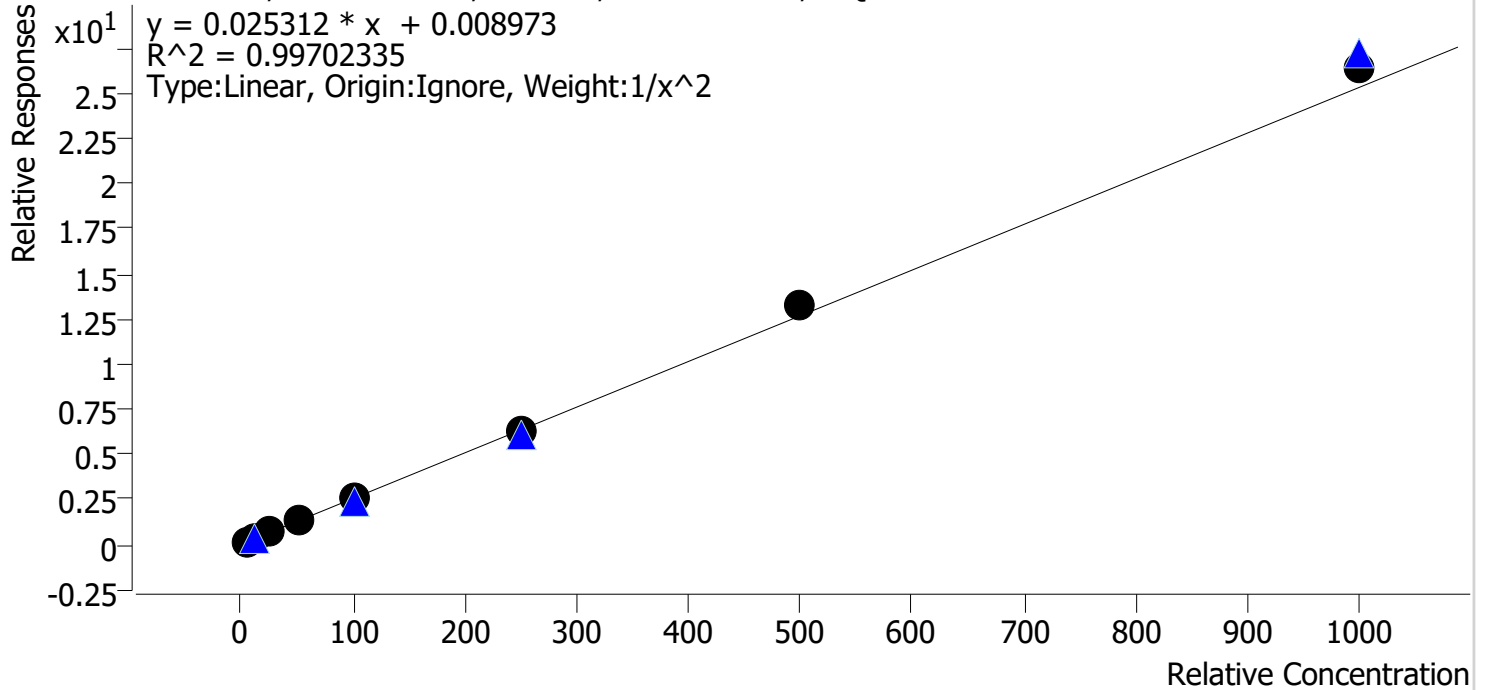


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	479.4	95.9
cal 8 mdq	8	✓	1000.0	984.3	98.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

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

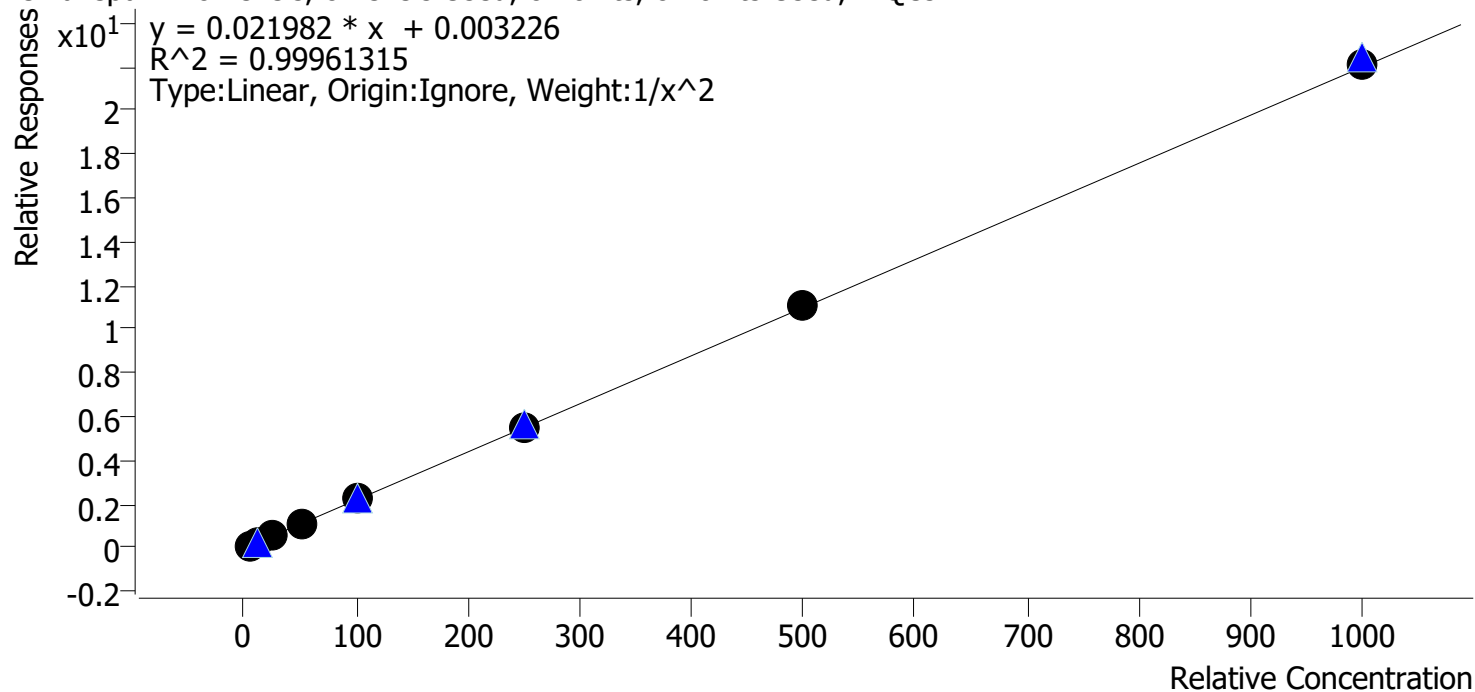


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.0
cal 2 mdq	2	✓	10.0	9.1	90.9
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	524.1	104.8
cal 8 mdq	8	✓	1000.0	1043.6	104.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11\27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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

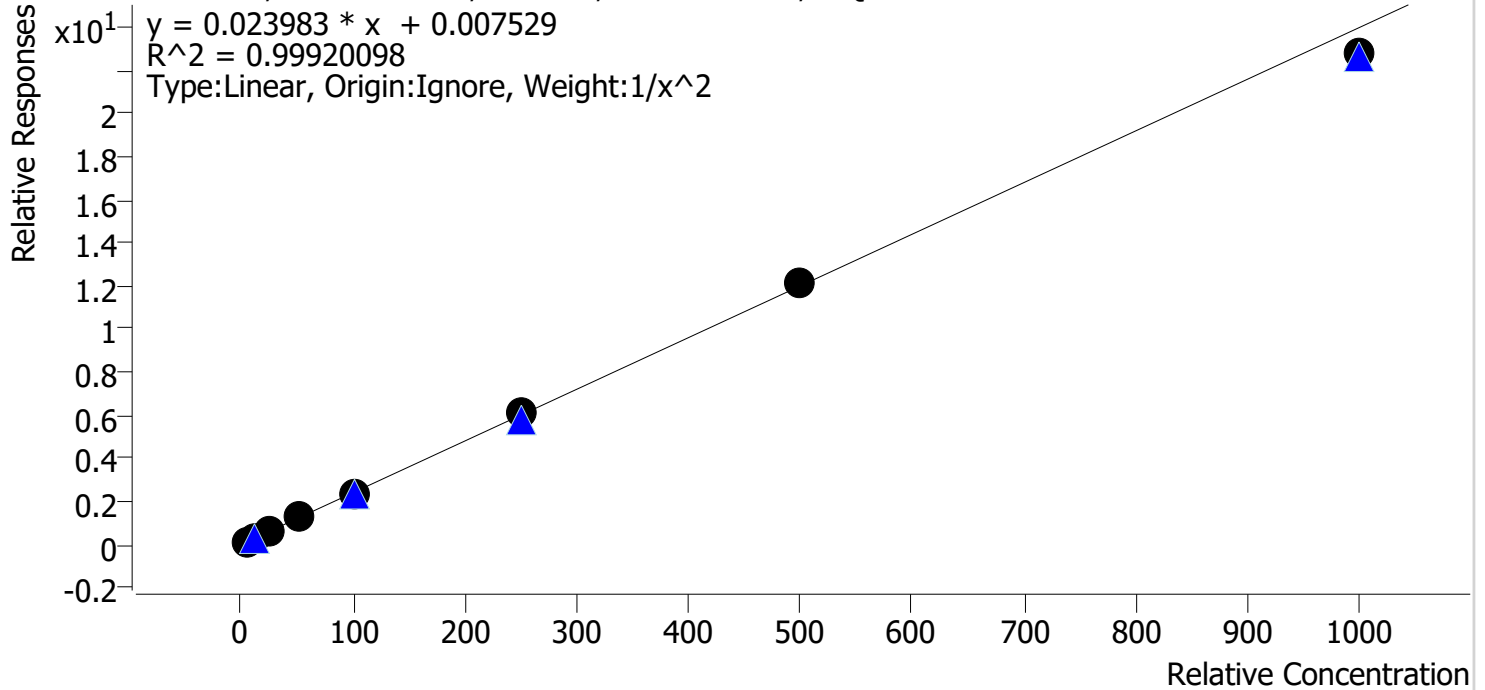


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.3	102.9
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	1008.4	100.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11\27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

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

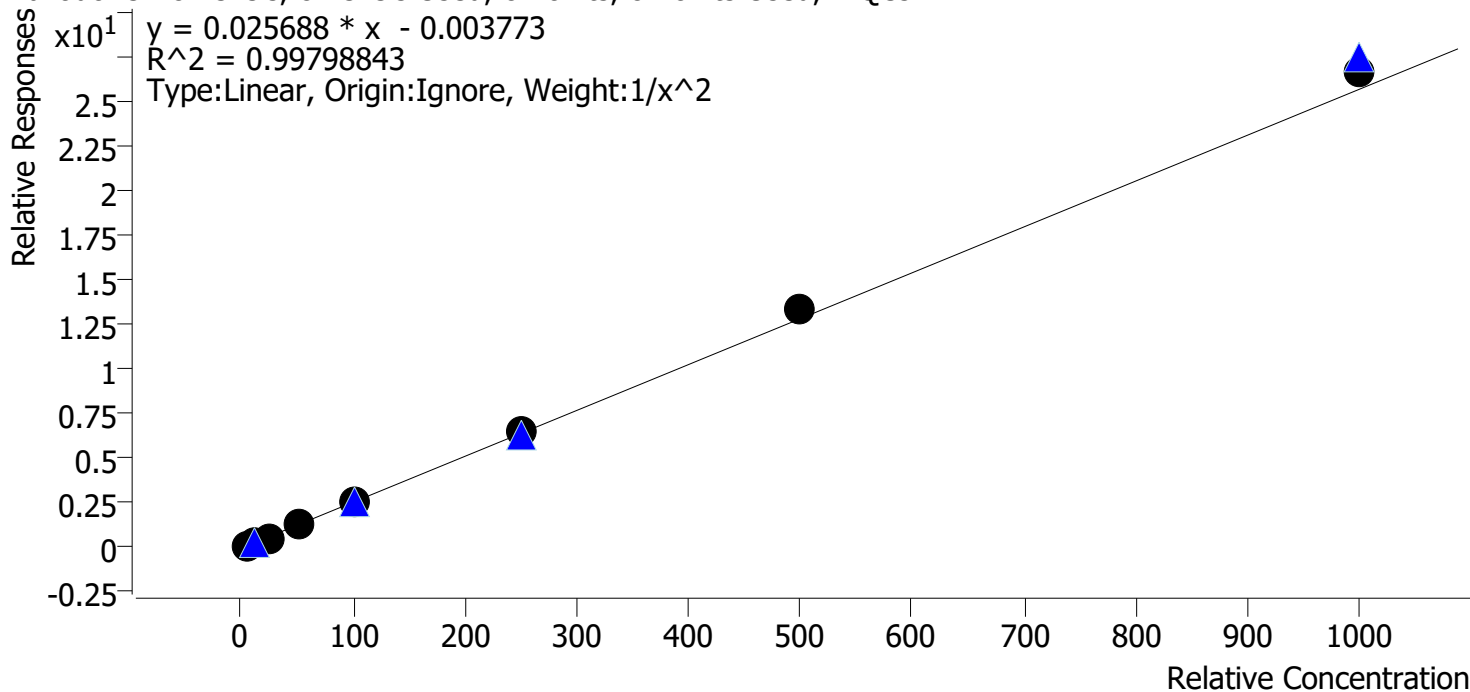


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	257.7	103.1
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	949.7	95.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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

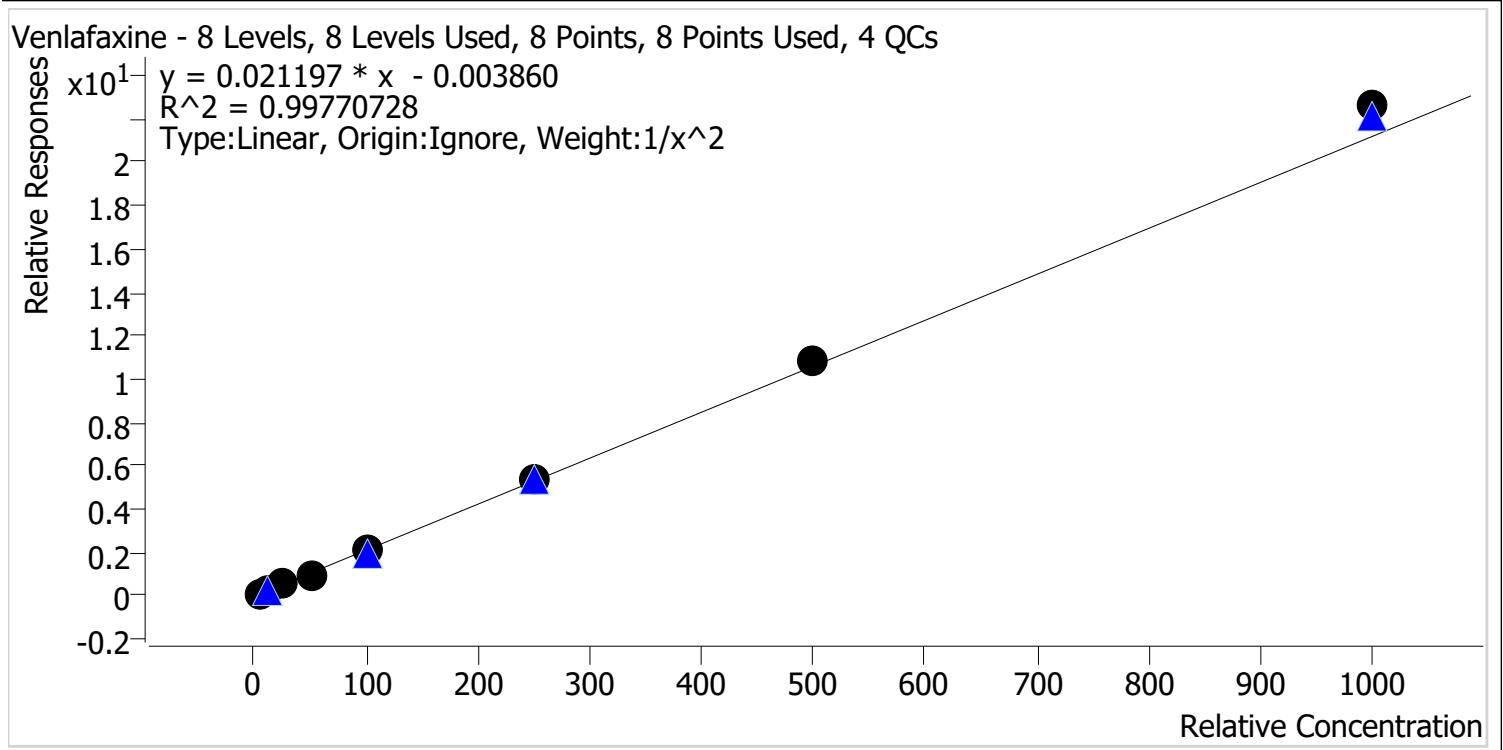


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	48.5	96.9
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdq	6	✓	250.0	256.3	102.5
cal 7 mdq	7	✓	500.0	522.2	104.4
cal 8 mdq	8	✓	1000.0	1039.7	104.0



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

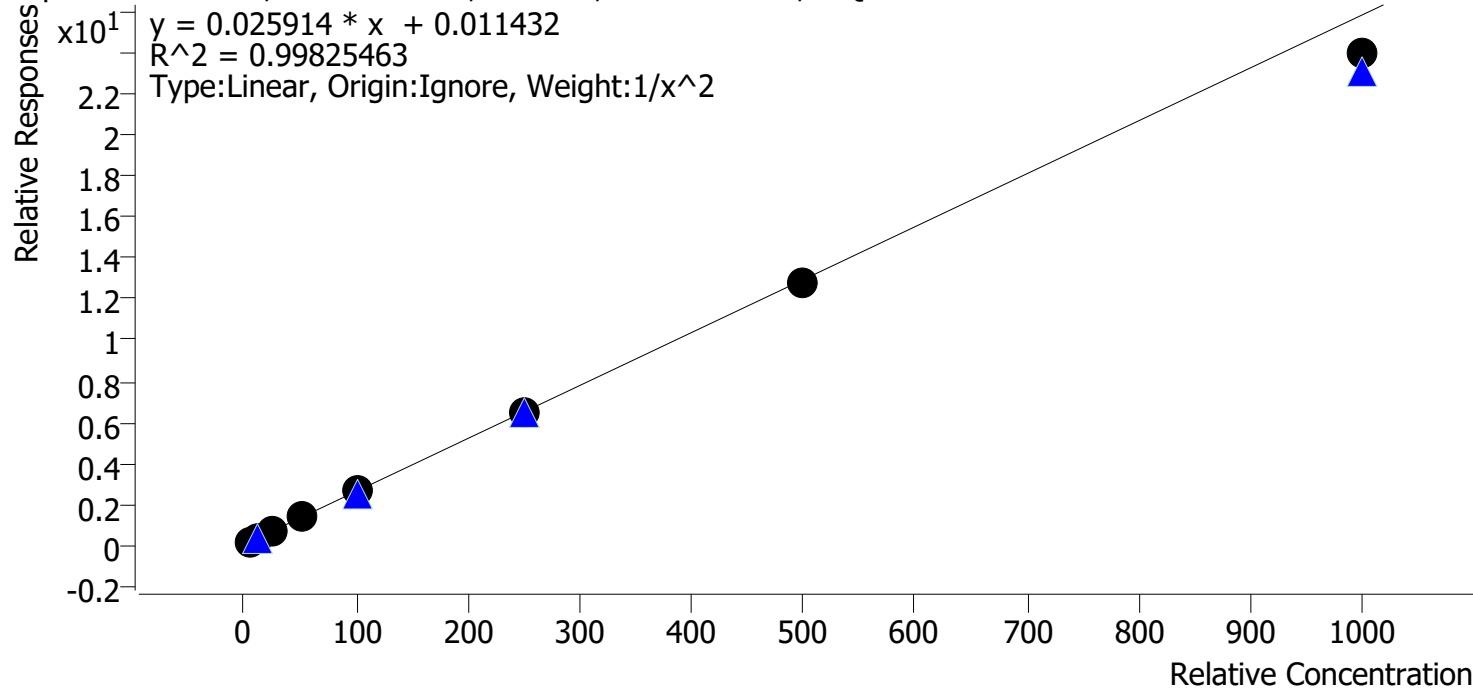


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	47.4	94.8
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	515.9	103.2
cal 8 mdq	8	✓	1000.0	1067.2	106.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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

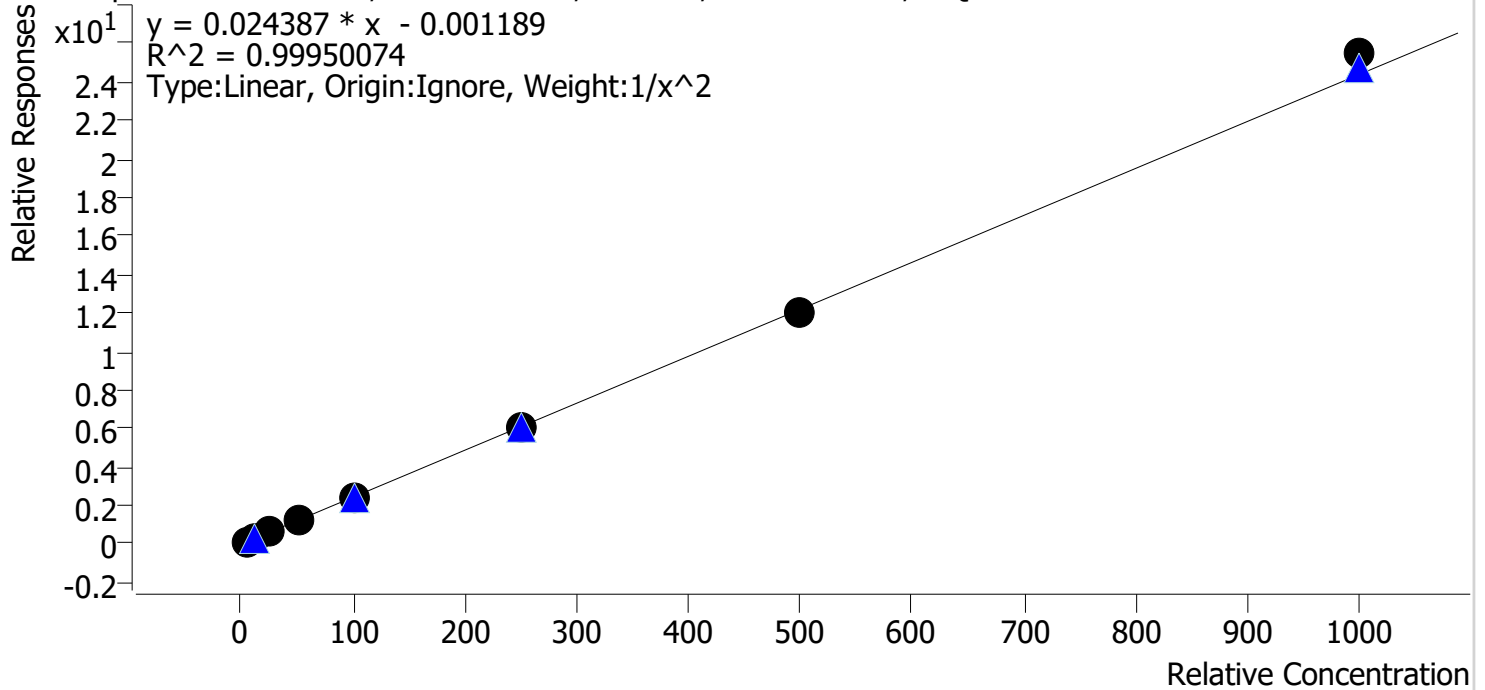


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	247.1	98.9
cal 7 mdq	7	✓	500.0	496.5	99.3
cal 8 mdq	8	✓	1000.0	927.0	92.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

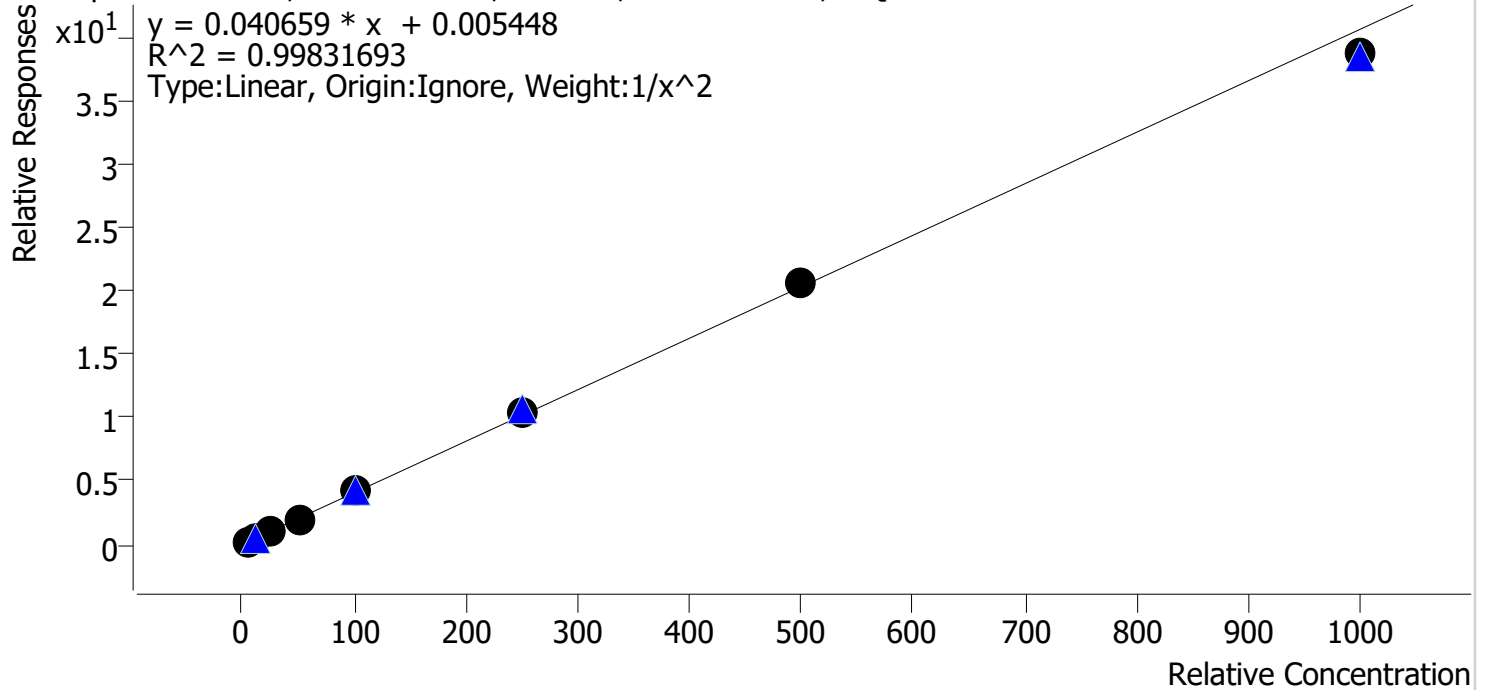


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	1044.5	104.5

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-d8

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

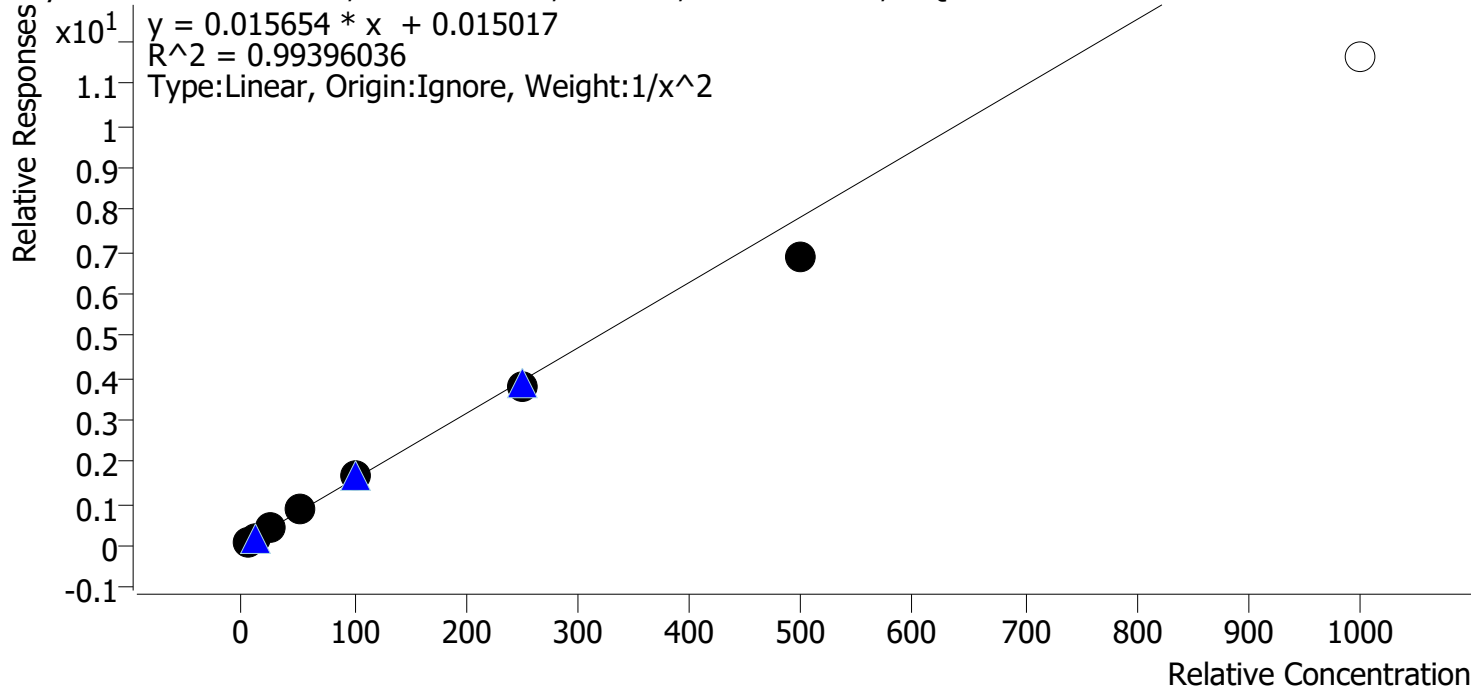


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.4	103.6
cal 3 mdq	3	✓	25.0	25.0	99.8
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	254.9	102.0
cal 7 mdq	7	✓	500.0	507.8	101.6
cal 8 mdq	8	✓	1000.0	952.8	95.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

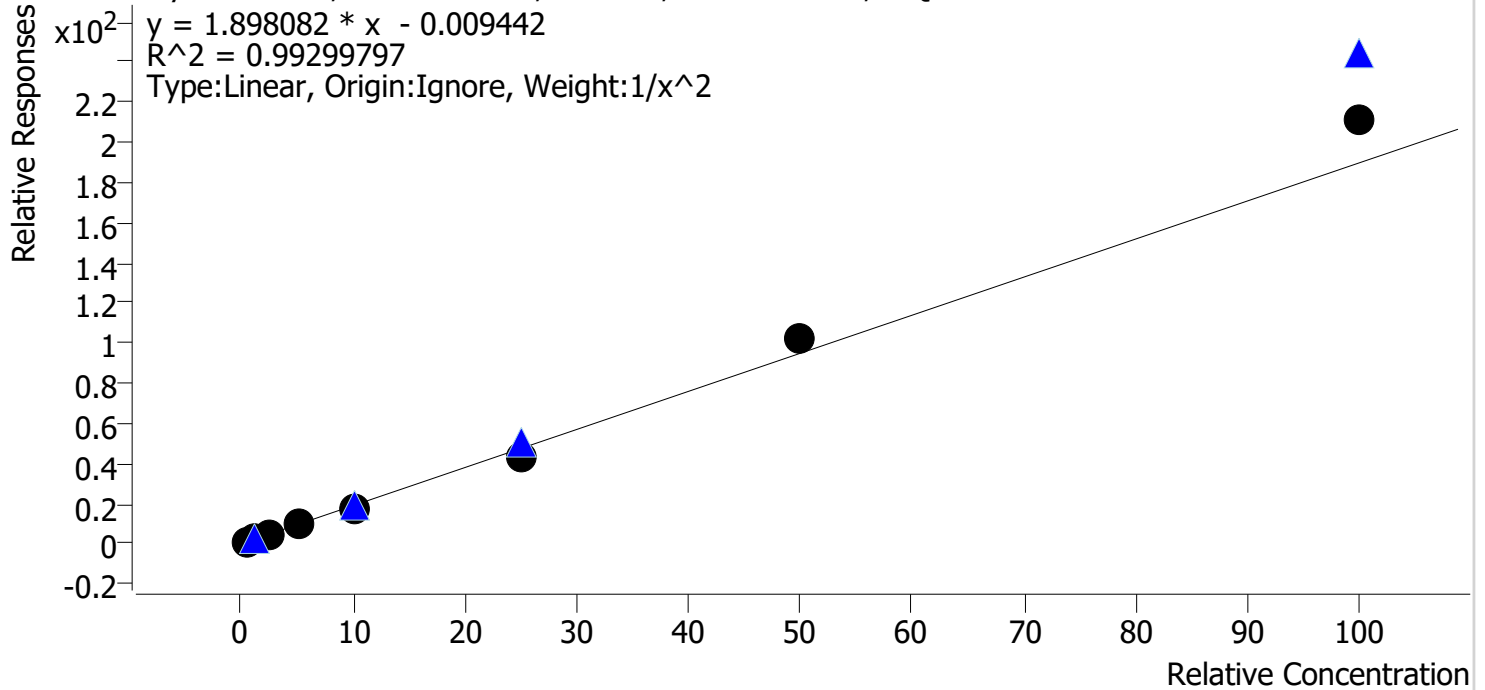


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	26.5	105.9
cal 4 mdq	4	✓	50.0	53.4	106.9
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	241.4	96.5
cal 7 mdq	7	✓	500.0	440.2	88.0
cal 8 mdq	8	✗	1000.0	744.4	74.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222r\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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

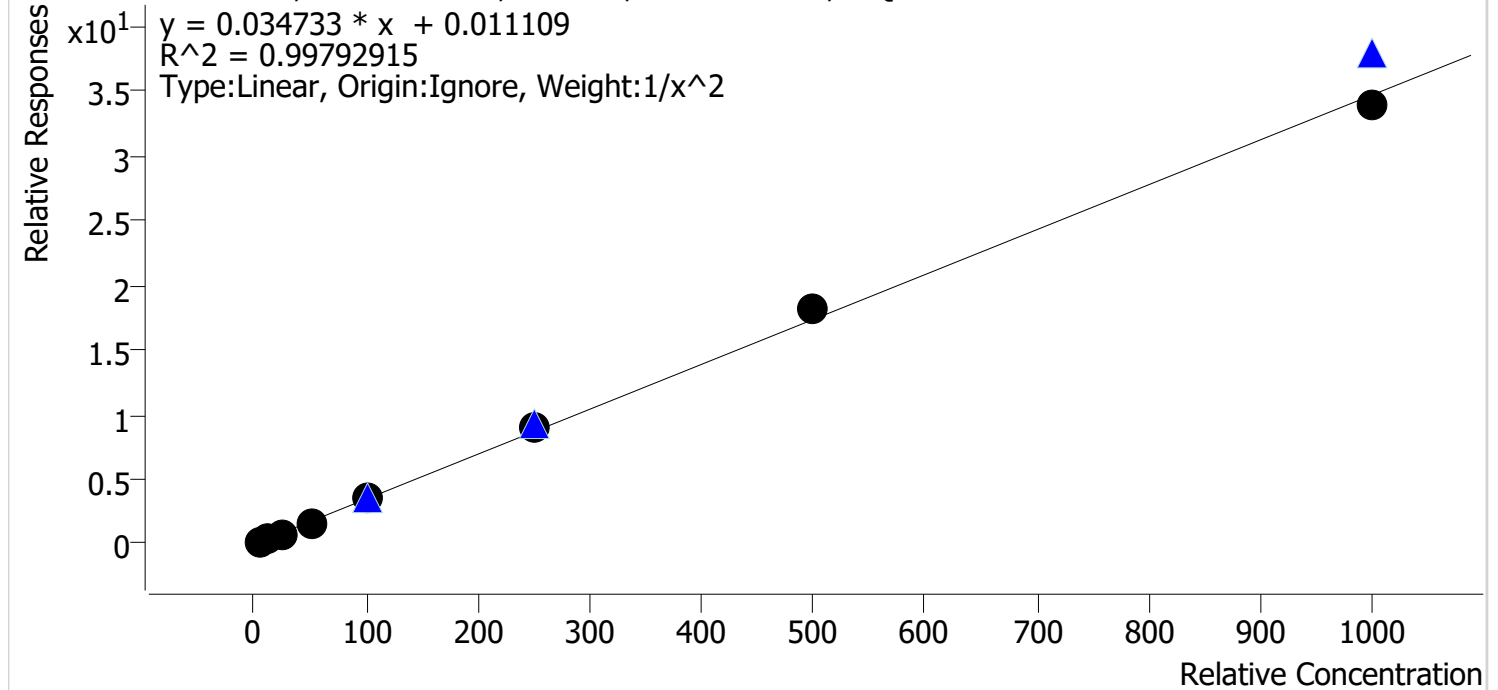


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.7
cal 2 mdq	2	✓	1.0	1.0	95.7
cal 3 mdq	3	✓	2.5	2.5	99.4
cal 4 mdq	4	✓	5.0	5.0	100.0
cal 5 mdq	5	✓	10.0	9.2	92.2
cal 6 mdq	6	✓	25.0	22.6	90.5
cal 7 mdq	7	✓	50.0	54.2	108.5
cal 8 mdq	8	✓	100.0	111.0	111.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-d3

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

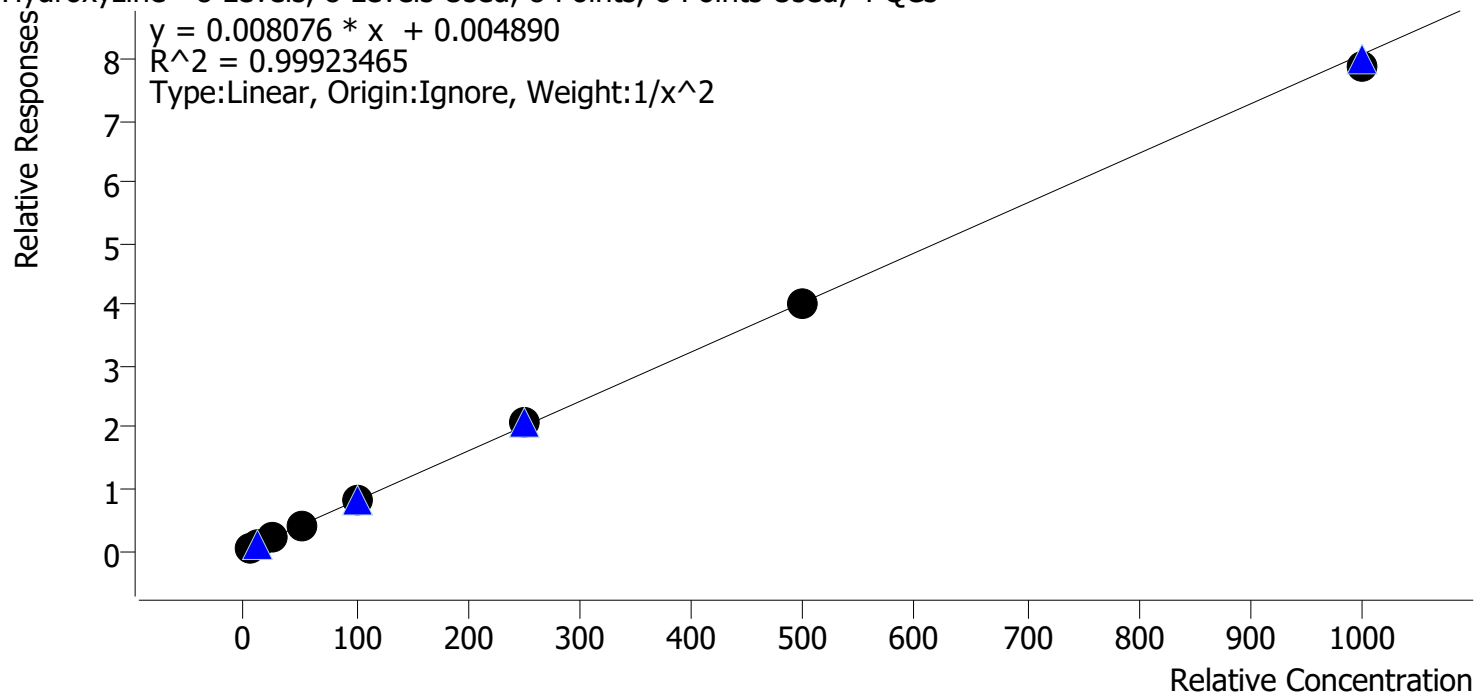


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	23.1	92.3
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	256.1	102.5
cal 7 mdq	7	✓	500.0	524.8	105.0
cal 8 mdq	8	✓	1000.0	977.0	97.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydroxyzine **Internal Standard** Promethazine-D3

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



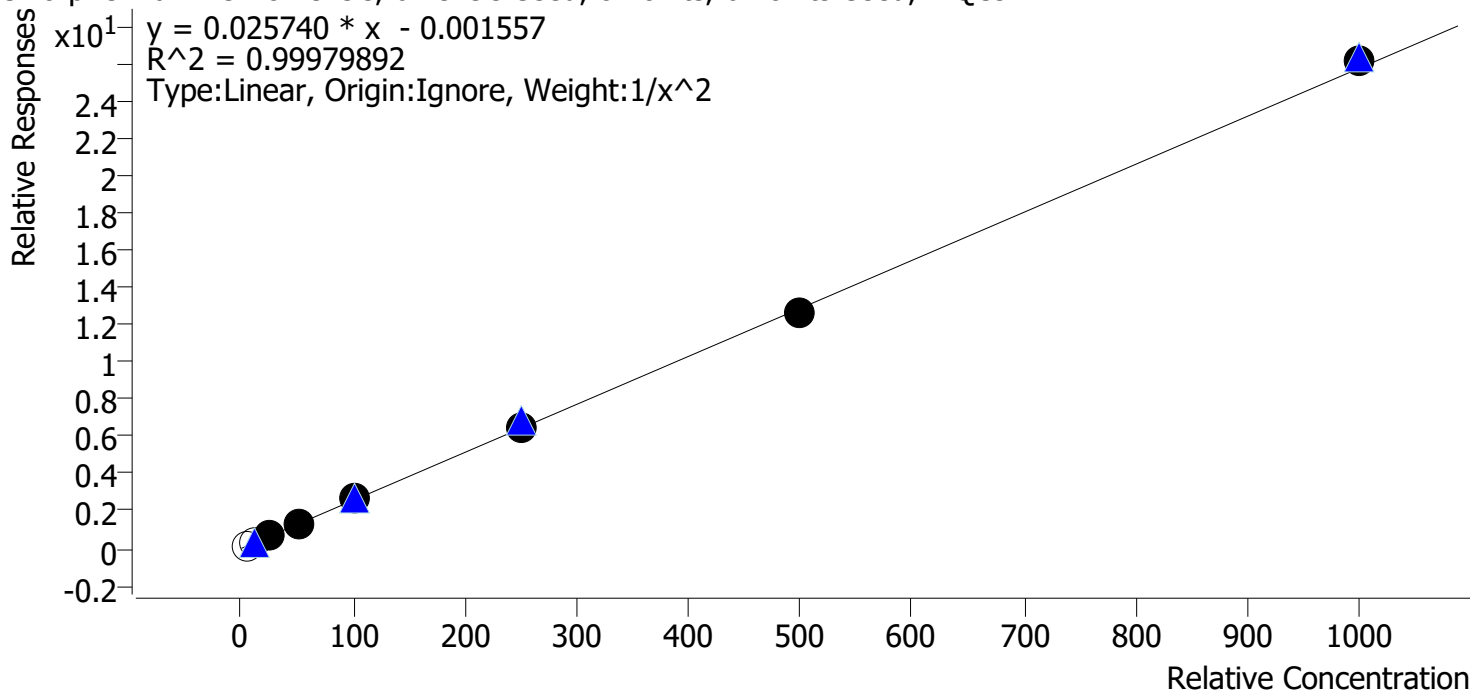
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	50.6	101.1
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	259.8	103.9
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	978.5	97.9



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/7/2022 11:28 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlorpheniramine **Internal Standard** Chlorpheniramine-d6

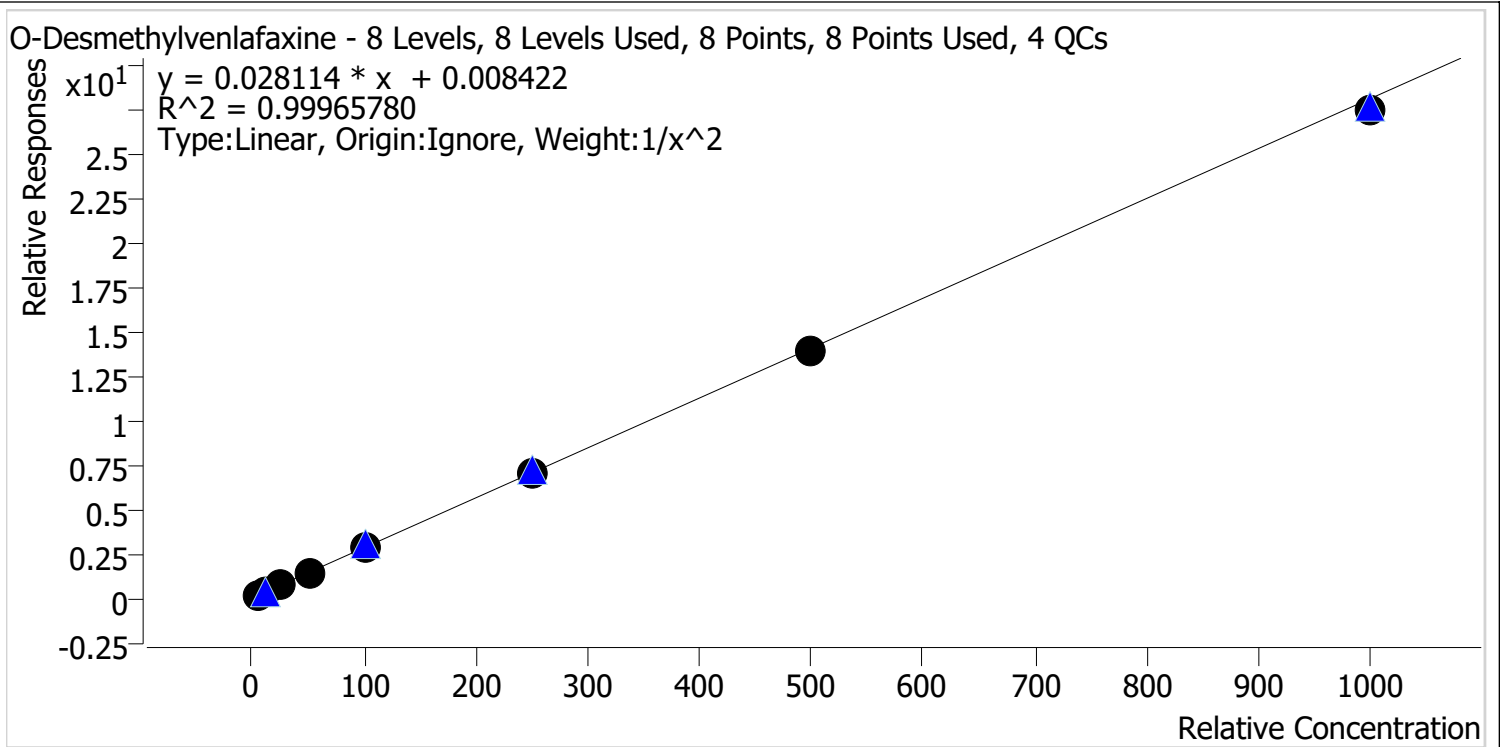
Chlorpheniramine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	5.6	111.1
cal 2 mdq	2	x	10.0	11.1	110.7
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	247.6	99.0
cal 7 mdq	7	✓	500.0	493.8	98.8
cal 8 mdq	8	✓	1000.0	1017.4	101.7

# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2022\11\27-28\110222rr\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	11/7/2022 11:28 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	O-Desmethylvenlafaxine	<b>Internal Standard</b>	O-Desmethylvenlafaxine-d6



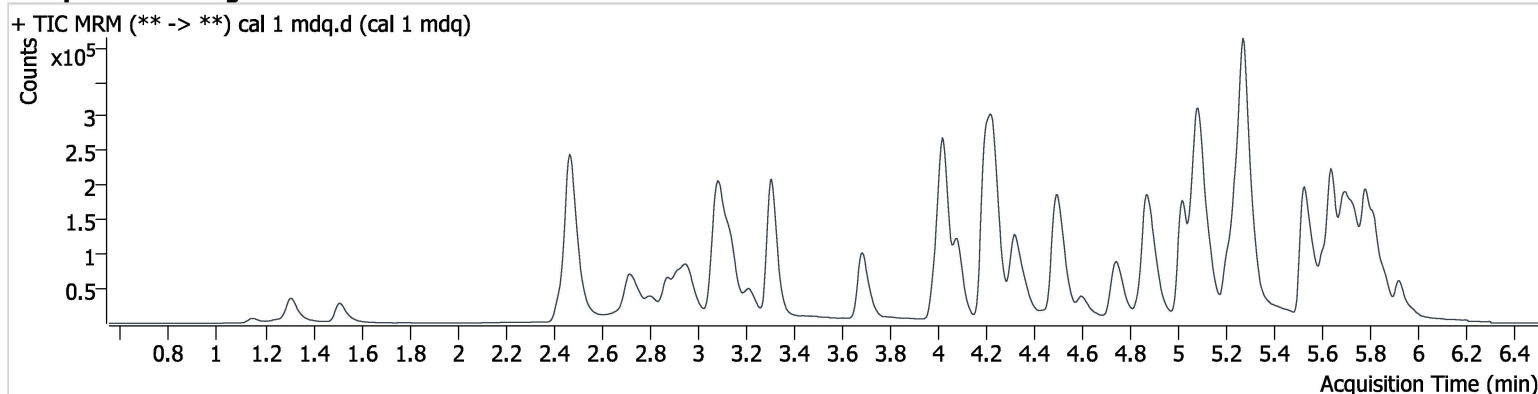
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	492.6	98.5
cal 8 mdq	8	✓	1000.0	980.4	98.0

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 8:59:38 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.082	749	916769.2	135.19	1137.1	36155	4.924 ng/ml	concentrations updated and reprinted.
7-aminoclonazepam	4.216	8565	1088.7	112.39	2732.8	79784	4.970 ng/ml	
a-hydroxyalprazolam	5.666	2412	5369.7	76.17	10121.9	330143	4.906 ng/ml	
alpha-PHP	4.905	11942	803.9	251.20	2525.8	310846	4.910 ng/ml	
alpha-PVP	4.331	44398	9179.2	54.84	1634.8	310846	5.068 ng/ml	
Alprazolam	5.744	20994	920.8	90.16	1526.8	145711	5.102 ng/ml	
Amphetamine	2.959	39633	1275.5	252.45	2142.0	189406	4.897 ng/ml	
Buprenorphine	5.809	1637	66.3	14.95	4290.1	40444	0.535 ng/ml	
Bupropion	4.756	40925	2751.0	74.40	489.6	235547	5.029 ng/ml	
Carisoprodol	5.695	15996	48226.9	64.61	217.6	100523	4.958 ng/ml	
Chlorpheniramine	5.094	64451	208.4	0.41 High	1.4 Low	455741	5.555 ng/ml	
Citalopram	5.211	32370	833.5	36.99	∞	238308	5.036 ng/ml	
Clonazepam	5.577	12812	21134.3	33.17	∞	43335	5.018 ng/ml	
Clonazolam	5.524	10865	9077.6	33.01	379.8	43335	5.528 ng/ml	
Cocaine	4.231	33076	4359.2	48.92	17756.9	507770	5.063 ng/ml	
Codeine	2.488	4418	662.5	99.18	2013.7	40657	4.819 ng/ml	
Cyclobenzaprine	5.611	38320	10944.2	7.43	92.0	206591	5.061 ng/ml	
Dextromethorphan	5.249	24139	∞	70.48	909.5	224859	4.972 ng/ml	
Dextrophan	4.085	27334	3732.2	43.37	∞	251965	5.284 ng/ml	
Diazepam	5.927	12558	3431.2	88.12	2257.2	112554	4.962 ng/ml	
Dihydrocodeine	2.462	11223	1603.6	59.31	666.1	123109	4.864 ng/ml	
Diphenhydramine	5.281	105599	1790.3	33.01	∞	941437	5.140 ng/ml	
Doxylamine	4.512	82154	4273.8	96.52	3786.4	543595	5.002 ng/ml	
Duloxetine	5.636	4446	128.7	9.56	20.3	24012	5.011 ng/ml	
EDDP	5.244	29199	1759.4	43.79	∞	253420	5.075 ng/ml	
Etizolam	5.785	2013	984.7	483.47	2361.3	112554	4.797 ng/ml	
Fentanyl	5.082	3548	278.2	131.09	∞	297050	0.503 ng/ml	
Flualprazolam	5.681	9454	∞	108.51	20636.2	145711	4.930 ng/ml	
Fluorofentanyl	5.138	3331	3756.9	111.92	31.3	3451	0.514 ng/ml	
Fluoxetine	5.698	32742	1793.3	6.78	2087.0	190114	5.059 ng/ml	
Hydrocodone	2.951	18533	517.0	36.48	232.2	175858	4.847 ng/ml	
Hydromorphone	1.522	12898	503.2	69.24	303.0	73234	5.155 ng/ml	
Hydroxyzine	5.691	20699	18144.6	122.49	190.0	452087	5.064 ng/ml	

# AM #28 Multi-Drug Quant. Results

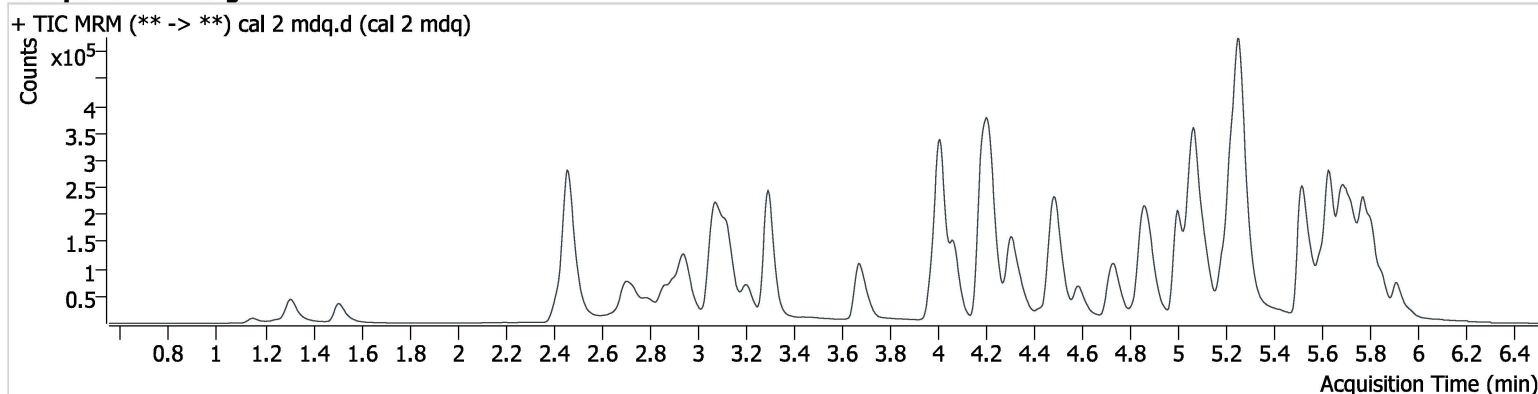
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.009	29525	3060.3	38.64	1518.2	243433	4.912 ng/ml
Lamotrigine	4.239	2947	1569.7	93.21	11224.8	231477	5.071 ng/ml
Lorazepam	5.718	10850	∞	36.16	22.8	163899	4.806 ng/ml
MDA	3.121	45837	679.9	27.84	123.6	231477	4.880 ng/ml
MDMA	3.223	28403	45393.2	104.18	8574.3	54904	5.009 ng/ml
Meprobamate	4.865	13612	2666.7	31.95	113.9	85550	4.830 ng/ml
Methadone	5.640	66426	2808.4	48.24	484.5	430945	5.050 ng/ml
Methamphetamine	3.142	128177	696.5	37.83	415.3	506044	4.740 ng/ml
Metoprolol	4.298	7560	∞	99.32	∞	669923	4.944 ng/ml
Mirtazapine	4.600	60457	10152.0	45.06	4551.9	54904	5.155 ng/ml
Mitragynine	5.215	10657	∞	29.75	4805.4	669923	4.837 ng/ml
Morphine	1.156	2055	191.9	22.94	100.6	5369	4.994 ng/ml
Norbuprenorphine	4.988	335	604.0	100.39	538.3	6642	0.541 ng/ml
Nordiazepam	5.866	11473	700.2	63.07	661.8	72799	5.076 ng/ml
Norfentanyl	4.045	934	338.1	240.30	180.8	442444	0.522 ng/ml
Noroxycodone	2.829	15040	894.8	50.91	776.5	90002	4.994 ng/ml
O-desmethyl-tramadol	3.314	66948	17436.5	6.20	1516.5	533947	4.963 ng/ml
O-Desmethylvenlafaxine	4.028	19109	140.0	230.29	349.4	127585	5.028 ng/ml
Olanzapine	4.444	15036	171.4	45.83	154.4	73118	4.924 ng/ml
Oxazepam	5.725	18071	1824.4	74.90	82.8	163899	5.003 ng/ml
Oxycodone	2.751	34447	3188.2	30.15	1212.6	218750	4.735 ng/ml
Oxymorphone	1.314	20095	∞	44.76	∞	126261	4.961 ng/ml
Phentermine	3.724	14117	133.3	10.38	80.3	296391	4.866 ng/ml
Promethazine	5.526	49844	944.6	34.51	272.4	452087	5.154 ng/ml
Pseudoephedrine	2.481	80998	13889.4	17.72	2177.2	669923	5.007 ng/ml
Quetiapine	5.539	30680	19468.7	57.75	12130.7	88867	5.017 ng/ml
Sertraline	5.765	10903	∞	93.13	680.7	76840	5.251 ng/ml
Temazepam	5.792	37009	2466.6	27.40	293.1	330143	4.953 ng/ml
Tramadol	4.212	75874	8428.5	3.76	67.3	600290	4.956 ng/ml
Trazodone	5.133	37042	9476.5	80.37	∞	292871	5.070 ng/ml
Venlafaxine	5.017	52996	4299.4	46.57	1017.7	502085	5.162 ng/ml
Zolpidem	4.893	69729	7167.2	28.79	∞	503856	4.899 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** cal 2 mdq.d  
**Type** Cal **Sample** cal 2 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:08:40 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	1560	∞	133.48	9220.2	37610	10.300 ng/ml
7-aminoclonazepam	4.201	17432	1578.9	113.11	3144.9	87236	9.977 ng/ml
a-hydroxyalprazolam	5.655	4354	2437.2	72.88	∞	334117	10.097 ng/ml
alpha-PHP	4.890	25831	1656.3	244.86	6120.3	329418	10.268 ng/ml
alpha-PVP	4.316	92402	9817.4	53.90	3152.7	329418	9.889 ng/ml
Alprazolam	5.734	43082	∞	90.75	3127.9	153792	9.784 ng/ml
Amphetamine	2.944	73173	2520.7	278.05	24954.5	193432	10.125 ng/ml
Buprenorphine	5.804	3508	159.0	15.32	480.3	42459	1.032 ng/ml
Bupropion	4.741	82703	14416.9	74.25	1734.1	243443	9.887 ng/ml
Carisoprodol	5.690	31901	40097.0	66.54	∞	98364	10.016 ng/ml
Chlorpheniramine	5.073	140346	1956.3	0.16 <b>Low</b>	4.5 <b>Low</b>	495223	11.070 ng/ml
Citalopram	5.190	65877	2221.6	40.43	∞	248909	9.908 ng/ml
Clonazepam	5.567	26128	3630.3	33.93	∞	46781	9.751 ng/ml
Clonazolam	5.513	20447	824.0	40.24	1651.3	46781	9.244 ng/ml
Cocaine	4.215	65313	1967.9	51.65	4617.2	529729	9.782 ng/ml
Codeine	2.478	9120	∞	90.81	2632.9	42113	10.218 ng/ml
Cyclobenzaprine	5.600	80614	14988.8	8.64	90.1	230616	9.736 ng/ml
Dextromethorphan	5.229	52857	37425.0	68.90	∞	237727	10.243 ng/ml
Dextrophan	4.070	56170	8679.2	44.46	4922.9	269389	9.974 ng/ml
Diazepam	5.917	27230	∞	91.71	∞	118422	10.149 ng/ml
Dihydrocodeine	2.452	22374	555.4	62.61	7636.2	128411	10.171 ng/ml
Diphenhydramine	5.260	210507	4901.6	31.60	2938.5	1001514	9.577 ng/ml
Doxylamine	4.492	167653	20246.9	96.76	4905.8	551866	9.943 ng/ml
Duloxetine	5.625	10897	176.6	8.63	22.8	29620	10.272 ng/ml
EDDP	5.228	108007	3683.6	41.43	∞	503075	9.759 ng/ml
Etizolam	5.779	4695	124428.4	423.01	∞	118422	10.532 ng/ml
Fentanyl	5.061	7837	339.7	127.24	12094.2	350358	0.999 ng/ml
Flualprazolam	5.666	19260	∞	98.84	1323.7	153792	10.161 ng/ml
Fluorofentanyl	5.118	6850	2889.0	117.37	83.4	3791	0.957 ng/ml
Fluoxetine	5.687	74599	∞	6.62	4068.6	225903	9.762 ng/ml
Hydrocodone	2.936	35615	302.1	38.20	291.2	177593	10.271 ng/ml
Hydromorphone	1.517	24050	309.9	76.41	705.7	75853	9.429 ng/ml
Hydroxyzine	5.680	41670	945.0	126.51	616.1	502448	9.663 ng/ml

concentration updated and reprinted.

# AM #28 Multi-Drug Quant. Results

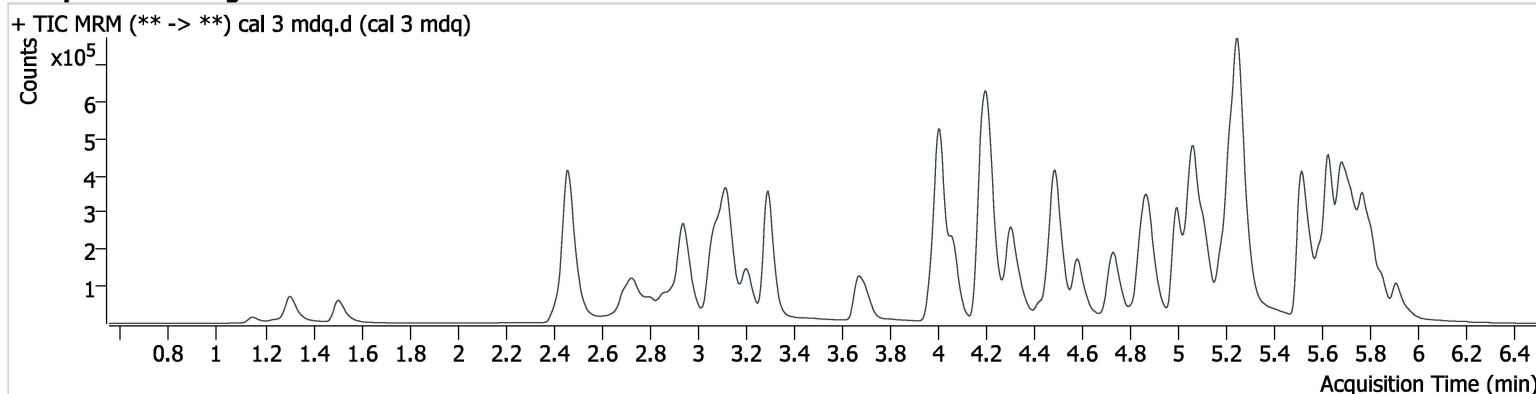
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	59306	3854.6	36.99	460.3	252903	10.165 ng/ml
Lamotrigine	4.223	5467	663.3	100.14	2281.6	239193	9.527 ng/ml
Lorazepam	5.707	21276	660.1	40.09	44.2	167488	10.213 ng/ml
MDA	3.106	93219	2660.6	29.06	∞	239193	10.238 ng/ml
MDMA	3.208	57179	45291.7	107.51	2110.8	58264	9.871 ng/ml
Meprobamate	4.849	27091	3648.8	32.76	1395.5	84789	10.291 ng/ml
Methadone	5.630	138162	45364.3	49.96	1298.1	465295	9.799 ng/ml
Methamphetamine	3.132	188242	6858.9	39.33	1583.9	537110	9.464 ng/ml
Metoprolol	4.278	15889	4437.5	93.19	∞	684456	10.283 ng/ml
Mirtazapine	4.584	123304	13074.5	47.42	∞	58264	9.644 ng/ml
Mitragynine	5.199	24261	35294.0	29.64	24795.9	684456	10.461 ng/ml
Morphine	1.156	4029	894.4	23.06	197.3	5374	10.002 ng/ml
Norbuprenorphine	4.952	556	425.8	89.97	689.4	7984	0.841 ng/ml
Nordiazepam	5.855	23712	∞	64.05	653.3	76701	9.777 ng/ml
Norfentanyl	4.030	1945	351.9	250.44	293.8	497514	0.956 ng/ml
Noroxycodone	2.813	30721	910.0	50.92	6603.2	95938	10.015 ng/ml
O-desmethyl-tramadol	3.299	139013	53770.2	6.47	1153.2	560587	10.121 ng/ml
O-Desmethylvenlafaxine	4.013	38408	220.7	241.70	2311.4	135398	9.790 ng/ml
Olanzapine	4.429	36338	445.1	39.87	141.5	85131	10.364 ng/ml
Oxazepam	5.715	37712	521.4	72.30	340.9	167488	9.947 ng/ml
Oxycodone	2.731	71849	3578.4	29.35	2278.4	227115	10.530 ng/ml
Oxymorphone	1.309	40695	∞	44.66	∞	129409	10.119 ng/ml
Phentermine	3.709	28851	946.3	10.49	89.6	317870	10.145 ng/ml
Promethazine	5.516	105794	29733.4	38.02	557.4	502448	9.696 ng/ml
Pseudoephedrine	2.471	167163	7054.5	17.22	24311.3	684456	10.064 ng/ml
Quetiapine	5.528	64343	∞	60.16	10956.5	94971	9.804 ng/ml
Sertraline	5.755	21598	∞	107.23	904.2	90328	9.092 ng/ml
Temazepam	5.776	76649	∞	26.81	164.3	334117	10.290 ng/ml
Tramadol	4.197	157357	∞	3.68	419.1	629977	10.101 ng/ml
Trazodone	5.117	79541	∞	76.29	2527.7	312686	10.049 ng/ml
Venlafaxine	5.001	104212	51996.1	47.88	630.8	523893	9.567 ng/ml
Zolpidem	4.872	150001	57878.8	26.49	10966.3	542042	10.238 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** cal 3 mdq.d  
**Type** Cal **Sample** cal 3 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-C1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:17:39 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<del>6-MAM</del>	3.062	4101	∞	147.79	278535.0	41999	24.846 ng/ml
7-aminoclonazepam	4.196	51067	1928.5	114.85	1675.0	106498	25.118 ng/ml
a-hydroxyalprazolam	5.650	10859	3973.8	69.47	∞	358275	25.765 ng/ml
alpha-PHP	4.884	68539	1112.5	259.67	3884.7	370106	24.572 ng/ml
alpha-PVP	4.311	254347	40463.2	54.37	9196.6	370106	24.131 ng/ml
Alprazolam	5.729	117326	5224.9	89.45	2425.7	169264	23.999 ng/ml
Amphetamine	2.944	195111	16231.7	260.95	86793.6	215550	26.420 ng/ml
Buprenorphine	5.804	9331	291.3	16.57	1621.9	46688	2.415 ng/ml
Bupropion	4.735	232622	36595.1	70.55	4997.6	278222	24.412 ng/ml
Carisoprodol	5.684	82178	∞	58.49	1104.3	98201	25.708 ng/ml
Chlorpheniramine	5.068	388028	506.8	0.23	31.4	603429	25.042 ng/ml
Citalopram	5.185	182817	2251.1	39.62	14545.8	281229	24.481 ng/ml
Clonazepam	5.567	67833	∞	32.90	197507.9	46728	25.833 ng/ml
Clonazepam	5.508	58486	1362.6	38.56	37574.2	46728	25.488 ng/ml
Cocaine	4.215	182736	136887.1	49.95	15723.9	595123	24.694 ng/ml
Codeine	2.473	24913	4352.5	90.78	3154.6	45171	26.974 ng/ml
Cyclobenzaprine	5.595	218604	70052.8	9.07	493.6	252992	24.396 ng/ml
Dextromethorphan	5.224	140661	∞	72.34	3533.4	262178	24.643 ng/ml
Dextrophan	4.065	155857	10263.1	44.00	60966.2	300165	24.544 ng/ml
Diazepam	5.911	68907	2914.1	87.13	3420.1	120541	25.122 ng/ml
Dihydrocodeine	2.447	62138	1703.1	60.48	945.2	144744	26.465 ng/ml
Diphenhydramine	5.255	599707	59010.5	32.23	∞	1105593	24.619 ng/ml
Doxylamine	4.492	485450	33118.1	93.48	13897.2	631162	25.005 ng/ml
Duloxetine	5.620	28880	230.2	10.79	29.5	35549	23.070 ng/ml
EDDP	5.218	288310	15078.0	41.97	6920.0	538880	24.841 ng/ml
Etizolam	5.774	12275	14824.8	451.72	71406.2	120541	26.929 ng/ml
Fentanyl	5.056	20391	1832.4	130.85	125867.5	393421	2.403 ng/ml
Flualprazolam	5.660	49566	3857.4	105.88	1172.2	169264	24.689 ng/ml
Fluorofentanyl	5.113	18231	12805.0	117.57	16.8	3873	2.485 ng/ml
Fluoxetine	5.682	208688	18767.9	6.74	49528.3	246160	25.169 ng/ml
Hydrocodone	2.931	94946	4993.0	37.12	586.1	197319	26.266 ng/ml
Hydromorphone	1.512	71637	5134.3	72.89	1701.1	84844	25.419 ng/ml
Hydroxyzine	5.680	122091	2165.2	117.35	488.4	581155	25.407 ng/ml

concentration updated and reprinted



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	161989	4456.9	38.77	3333.0	290482	25.159 ng/ml
Lamotrigine	4.223	15567	905.6	95.45	81345.4	261519	25.669 ng/ml
Lorazepam	5.707	53141	∞	42.93	194.1	167049	27.198 ng/ml
MDA	3.106	246380	4626.7	28.74	∞	261519	25.677 ng/ml
MDMA	3.208	159670	∞	106.30	7624.5	65758	25.030 ng/ml
Meprobamate	4.844	70173	2823.9	31.39	1462.7	88222	26.492 ng/ml
Methadone	5.625	394721	8058.1	47.91	11308.6	526242	24.869 ng/ml
Methamphetamine	3.127	422389	4666.6	38.97	4611.8	593372	27.032 ng/ml
Metoprolol	4.278	42428	7418.0	93.53	∞	758593	24.924 ng/ml
Mirtazapine	4.579	346463	62620.4	47.72	51641.6	65758	23.582 ng/ml
Mitragynine	5.194	66336	78292.1	29.39	17052.4	758593	25.431 ng/ml
Morphine	1.151	11247	3306.1	22.82	442.8	6071	25.057 ng/ml
Norbuprenorphine	4.942	1444	529.9	113.01	1312.7	8318	2.462 ng/ml
Nordiazepam	5.855	62372	∞	62.06	10294.1	78189	24.932 ng/ml
Norfentanyl	4.030	5099	831.0	267.86	593.1	536261	2.308 ng/ml
Noroxycodone	2.813	81978	4030.6	49.45	970.4	105291	25.046 ng/ml
O-desmethyl-tramadol	3.299	381129	104000.0	6.59	3335.1	629765	25.149 ng/ml
O-Desmethylvenlafaxine	4.013	106779	332.2	237.97	7615.3	147777	25.402 ng/ml
Olanzapine	4.424	100371	150.9	41.94	49.3	98389	24.956 ng/ml
Oxazepam	5.710	96672	5257.0	75.22	3063.4	167049	25.160 ng/ml
Oxycodone	2.731	194751	22151.7	29.52	4991.1	252488	27.123 ng/ml
Oxymorphone	1.309	111211	∞	44.96	∞	144780	25.186 ng/ml
Phentermine	3.709	79881	1450.1	10.23	∞	355027	26.571 ng/ml
Promethazine	5.516	302261	111490.0	37.91	4106.7	581155	23.711 ng/ml
Pseudoephedrine	2.471	454511	∞	17.21	7073.4	758593	24.618 ng/ml
Quetiapine	5.523	177440	177973.0	58.70	2062.3	100692	25.434 ng/ml
Sertraline	5.750	68974	25267.5	96.38	836.9	109204	24.599 ng/ml
Temazepam	5.776	192424	21475.5	29.22	298.3	358275	24.287 ng/ml
Tramadol	4.192	432648	∞	3.39	239.9	703443	25.331 ng/ml
Trazodone	5.112	214761	17503.2	83.96	16485.6	359948	23.373 ng/ml
Venlafaxine	4.996	295157	7343.3	47.75	∞	577284	24.303 ng/ml
Zolpidem	4.872	404935	46856.7	26.46	35494.8	603156	25.466 ng/ml

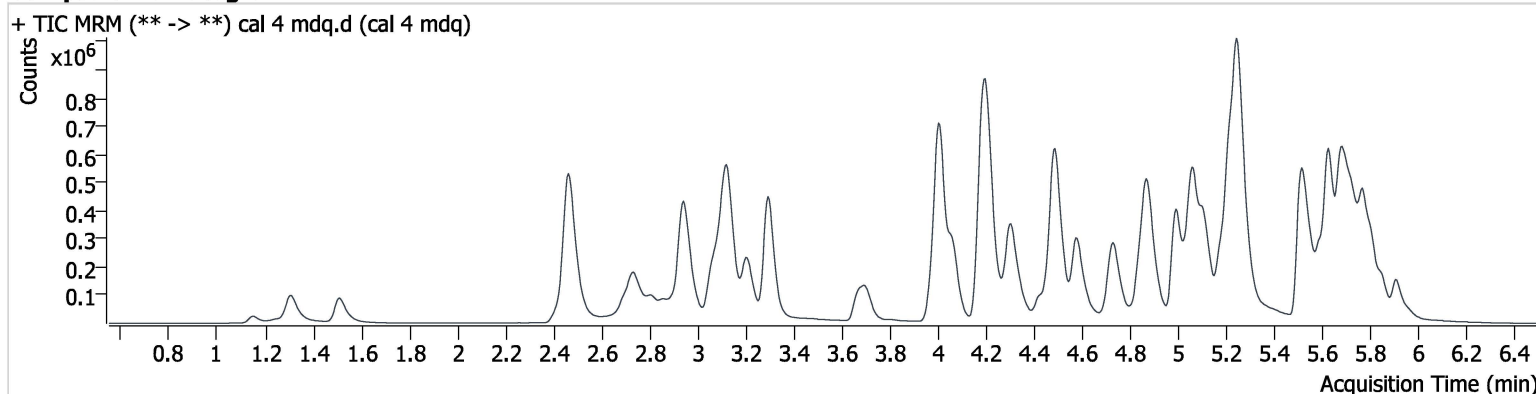


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** cal 4 mdq.d  
**Type** Cal **Sample** cal 4 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:26:41 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.062	7591	12719.4	137.10	5304.4	38929	50.050 ng/ml	concentration updated and reprinted.
7-aminoclonazepam	4.196	88689	4409.1	114.35	2233.7	91111	51.856 ng/ml	
a-hydroxyalprazolam	5.650	19985	554.0	66.29	1174.2	328725	53.409 ng/ml	
alpha-PHP	4.879	130774	2096.5	244.16	∞	325192	53.636 ng/ml	
alpha-PVP	4.306	461813	47330.6	54.33	17541.8	325192	49.794 ng/ml	
Alprazolam	5.729	210942	2053.6	89.79	5320.9	148066	49.174 ng/ml	
Amphetamine	2.944	342502	14222.6	258.57	13999.4	198285	51.845 ng/ml	
Buprenorphine	5.804	17786	1079.2	15.94	7243.4	41842	5.073 ng/ml	
Bupropion	4.735	424140	50710.6	73.16	7913.8	240066	51.647 ng/ml	
Carisoprodol	5.684	143848	∞	61.45	899.1	85645	51.511 ng/ml	
Chlorpheniramine	5.068	702673	1113.9	0.25	60.0	549470	49.742 ng/ml	
Citalopram	5.180	337760	6761.2	40.27	28031.3	253567	50.268 ng/ml	
Clonazepam	5.567	123072	48662.3	31.49	∞	43516	50.619 ng/ml	
Clonazepam	5.508	108510	60420.3	36.55	23438.7	43516	50.254 ng/ml	
Cocaine	4.210	328575	1444572.5	50.14	8179.3	528130	50.264 ng/ml	
Codeine	2.478	43486	8171.0	91.71	3410.3	39911	53.890 ng/ml	
Cyclobenzaprine	5.595	423306	423863.2	8.37	479.1	226461	53.034 ng/ml	
Dextromethorphan	5.224	259027	652838.2	75.44	∞	238083	49.921 ng/ml	
Dextrophan	4.065	287157	∞	44.37	∞	274378	49.271 ng/ml	
Diazepam	5.911	134298	∞	86.88	3055.2	118505	49.731 ng/ml	
Dihydrocodeine	2.447	110777	6991.8	60.73	6437.7	130086	53.441 ng/ml	
Diphenhydramine	5.250	1088041	58073.2	31.98	68356.2	1017886	48.456 ng/ml	
Doxylamine	4.487	882230	64136.2	94.66	67781.3	555788	51.489 ng/ml	
Duloxetine	5.620	53827	295.7	10.42	1151.3	31407	49.023 ng/ml	
EDDP	5.218	529210	30721.9	41.63	193037.7	502362	49.251 ng/ml	
Etizolam	5.774	22317	72135.4	437.50	∞	118505	49.732 ng/ml	
Fentanyl	5.056	38780	4201.7	124.32	429442.5	356768	5.111 ng/ml	
Flualprazolam	5.660	91762	17349.8	98.70	∞	148066	53.027 ng/ml	
Fluorofentanyl	5.113	33164	24039.5	122.62	420.8	3497	5.001 ng/ml	
Fluoxetine	5.682	371930	50958.0	6.29	14717.2	222380	49.719 ng/ml	
Hydrocodone	2.931	166869	2136.9	38.35	3546.7	178237	52.202 ng/ml	
Hydromorphone	1.512	118800	370.6	73.81	249.0	77555	46.267 ng/ml	
Hydroxyzine	5.680	216310	2454.1	123.39	2936.9	523494	50.558 ng/ml	

# AM #28 Multi-Drug Quant. Results

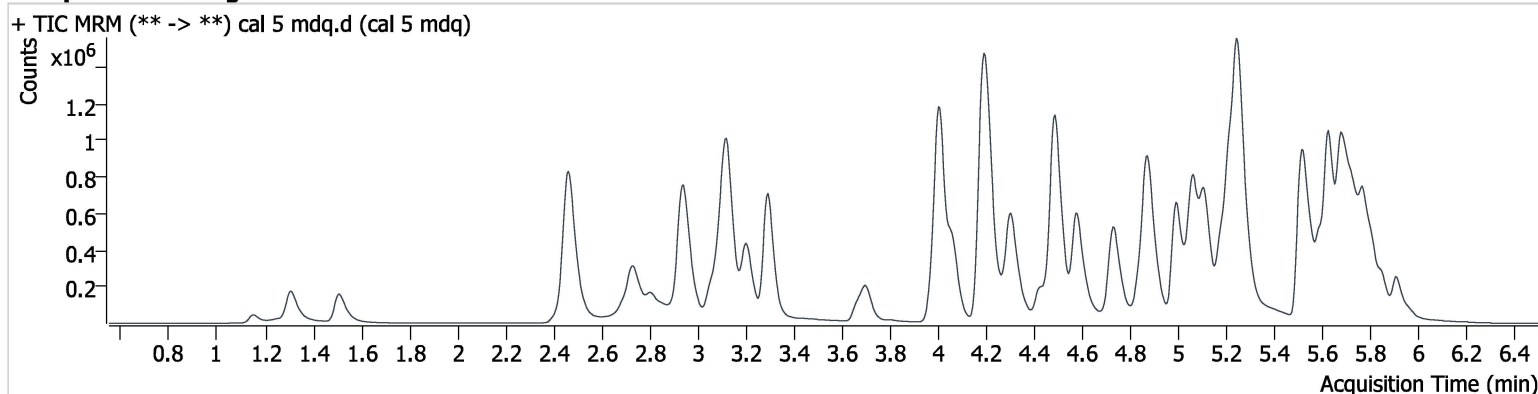
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	290743	12084.4	38.30	4898.0	252296	52.753 ng/ml
Lamotrigine	4.218	26851	1613.0	93.84	∞	226420	51.667 ng/ml
Lorazepam	5.702	95060	3558.5	43.71	778.4	149399	55.479 ng/ml
MDA	3.106	440417	25999.2	29.25	2487.7	226420	53.710 ng/ml
MDMA	3.208	285558	215157.3	105.34	17150.6	57930	51.235 ng/ml
Meprobamate	4.839	124835	4515.5	30.15	4831.7	77281	54.405 ng/ml
Methadone	5.630	711660	1129584.5	48.53	9234.9	465301	50.790 ng/ml
Methamphetamine	3.132	692516	∞	39.28	∞	551668	53.451 ng/ml
Metoprolol	4.273	74324	474427.4	97.65	∞	683156	48.583 ng/ml
Mirtazapine	4.579	637290	57068.5	46.77	52312.1	57930	48.926 ng/ml
Mitragynine	5.194	122257	39070.0	29.90	21887.5	683156	51.776 ng/ml
Morphine	1.156	20268	3859.5	23.70	1781.6	5485	50.209 ng/ml
Norbuprenorphine	4.947	2653	∞	102.25	52607.0	8083	4.875 ng/ml
Nordiazepam	5.855	114575	∞	62.89	2907.9	73035	48.850 ng/ml
Norfentanyl	4.025	9493	2069.9	249.60	1209.5	479027	4.798 ng/ml
Noroxycodone	2.813	148388	11957.0	48.69	1476.6	96498	49.941 ng/ml
O-desmethyl-tramadol	3.299	686755	66258.7	6.36	4711.8	574445	49.983 ng/ml
O-Desmethylvenlafaxine	4.008	191834	1436.1	237.03	10690.0	134391	50.473 ng/ml
Olanzapine	4.424	171346	339.1	45.58	502.7	88550	47.458 ng/ml
Oxazepam	5.710	173953	807417.9	71.78	628.2	149399	50.360 ng/ml
Oxycodone	2.731	354037	29454.8	29.22	7569.4	232270	54.583 ng/ml
Oxymorphone	1.309	202154	∞	45.24	∞	133862	49.829 ng/ml
Phentermine	3.704	138951	1456.2	10.47	1954.7	313416	53.288 ng/ml
Promethazine	5.511	551561	140366.6	38.33	7805.7	523494	47.866 ng/ml
Pseudoephedrine	2.471	824096	26944.1	17.10	18325.8	683156	49.515 ng/ml
Quetiapine	5.528	315702	859154.7	61.48	16426.6	89635	50.793 ng/ml
Sertraline	5.750	121276	∞	96.56	15220.1	96908	49.087 ng/ml
Temazepam	5.776	364746	8832.5	28.95	757.1	328725	50.331 ng/ml
Tramadol	4.187	776182	∞	3.36	880.8	635142	50.642 ng/ml
Trazodone	5.107	395985	3737.5	80.29	5061.2	319033	48.465 ng/ml
Venlafaxine	4.991	534049	364137.2	48.03	3696.7	533610	47.398 ng/ml
Zolpidem	4.867	746752	89562.9	27.19	∞	552501	51.716 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** cal 5 mdq.d  
**Type** Cal **Sample** cal 5 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-E1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:35:40 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<b>6-MAM</b>	<b>3.057</b>	<b>15093</b>	<b>14769.3</b>	<b>135.54</b>	<b>33748.6</b>	<b>38071</b>	<b>102.210</b> ng/ml
7-aminoclonazepam	4.191	173661	∞	113.43	39454.4	87242	106.921 ng/ml
a-hydroxyalprazolam	5.650	35372	632.0	66.57	∞	307216	102.685 ng/ml
alpha-PHP	4.884	253581	15506.6	249.05	20834.7	331292	102.303 ng/ml
alpha-PVP	4.306	926983	75703.5	54.20	16315.6	331292	98.045 ng/ml
Alprazolam	5.729	399591	∞	89.92	1690.2	140133	98.282 ng/ml
Amphetamine	2.944	651928	17603.1	253.88	12678.9	192655	103.077 ng/ml
Buprenorphine	5.804	34737	4262.7	17.13	2525.7	44016	9.369 ng/ml
Bupropion	4.735	868536	68450.2	72.63	37020.7	247811	102.509 ng/ml
Carisoprodol	5.684	255205	432016.3	60.47	9227.2	78703	99.369 ng/ml
Chlorpheniramine	5.068	1443243	2599.4	0.25	48.4	556503	100.814 ng/ml
Citalopram	5.180	673432	∞	41.03	∞	252676	100.679 ng/ml
Clonazepam	5.567	232991	17744.9	33.21	∞	40459	103.386 ng/ml
Clonazolam	5.508	192348	23552.0	38.88	28601.1	40459	95.334 ng/ml
Cocaine	4.210	648928	228568.3	50.30	18707.3	528841	99.354 ng/ml
Codeine	2.473	81826	14765.2	90.77	2371.7	38669	105.240 ng/ml
Cyclobenzaprine	5.595	894609	154183.3	8.25	1345.0	254419	99.963 ng/ml
Dextromethorphan	5.218	506832	33214.3	73.91	58120.2	231161	100.554 ng/ml
Dextrophan	4.065	577165	44809.2	44.17	∞	271856	99.747 ng/ml
Diazepam	5.911	267675	3769.0	86.77	11315.0	118201	99.303 ng/ml
Dihydrocodeine	2.447	213735	1016.8	61.89	7494.1	130488	103.677 ng/ml
Diphenhydramine	5.255	2173283	∞	32.62	468783.5	1012522	97.238 ng/ml
Doxylamine	4.487	1803693	112321.5	94.49	56451.1	590407	98.994 ng/ml
Duloxetine	5.620	118026	475.6	11.26	163.3	33331	101.630 ng/ml
EDDP	5.218	869345	88070.4	43.93	∞	415379	98.194 ng/ml
Etizolam	5.774	44436	∞	429.49	∞	118201	99.198 ng/ml
Fentanyl	5.056	77410	1729.8	129.81	1850366.0	362118	10.117 ng/ml
Flualprazolam	5.660	169708	5999.0	101.75	3049.3	140133	104.283 ng/ml
Fluorofentanyl	5.113	67440	11187.6	120.67	523.6	3856	9.220 ng/ml
Fluoxetine	5.682	688630	19284.6	6.87	64797.3	207261	98.837 ng/ml
Hydrocodone	2.931	326851	9243.7	36.00	1579.7	171646	107.376 ng/ml
Hydromorphone	1.512	265673	3201.0	73.76	2693.6	79172	101.576 ng/ml
Hydroxyzine	5.680	431779	2092.3	123.90	689.5	541065	98.205 ng/ml

concentration updated and reprinted.

# AM #28 Multi-Drug Quant. Results

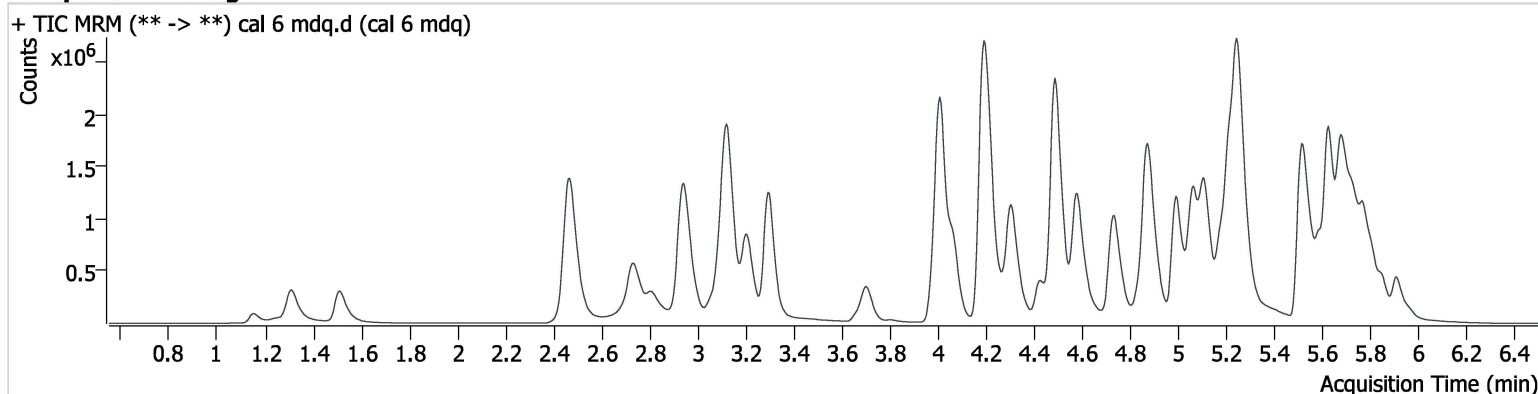
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	582063	61000.3	37.44	4546.1	253233	105.931 ng/ml
Lamotrigine	4.218	52828	9741.4	94.29	81567.9	225171	102.741 ng/ml
Lorazepam	5.707	152491	∞	45.96	∞	130012	103.177 ng/ml
MDA	3.101	821852	34374.7	28.70	4574.5	225171	101.357 ng/ml
MDMA	3.208	572682	130022.9	106.18	106992.3	57244	104.406 ng/ml
Meprobamate	4.839	228609	9224.9	32.01	7821.7	77265	100.141 ng/ml
Methadone	5.625	1414430	38576.6	49.70	21542.6	476866	98.569 ng/ml
Methamphetamine	3.127	1351525	19434.6	39.22	∞	542690	113.493 ng/ml
Metoprolol	4.273	150131	102232.9	97.09	∞	665777	100.810 ng/ml
Mirtazapine	4.579	1294561	∞	47.53	208339.5	57244	100.274 ng/ml
Mitragynine	5.194	249036	246325.9	30.24	92258.5	665777	107.940 ng/ml
Morphine	1.156	42585	6908.2	22.50	3796.2	5661	102.449 ng/ml
Norbuprenorphine	4.947	5271	3706.6	99.05	9974.7	7699	10.437 ng/ml
Nordiazepam	5.850	222169	40963.4	61.09	20148.0	71252	96.908 ng/ml
Norfentanyl	4.025	17753	1526.3	269.14	3064.6	454248	9.451 ng/ml
Noroxycodone	2.808	286084	1966.3	48.71	11371.0	92598	100.830 ng/ml
O-desmethyl-tramadol	3.294	1394336	253403.6	6.33	20069.1	579656	100.886 ng/ml
O-Desmethylvenlafaxine	4.008	387967	817.7	235.35	45452.5	135065	101.871 ng/ml
Olanzapine	4.424	385913	611.4	43.11	823.3	90859	104.330 ng/ml
Oxazepam	5.710	301527	4242.8	69.20	1453.7	130012	100.054 ng/ml
Oxycodone	2.726	663283	46089.2	31.70	38108.3	230899	103.760 ng/ml
Oxymorphone	1.309	409242	∞	44.92	∞	134104	101.023 ng/ml
Phentermine	3.704	274533	2989.8	9.94	∞	318506	104.510 ng/ml
Promethazine	5.511	1136516	639696.6	38.44	8995.3	541065	95.266 ng/ml
Pseudoephedrine	2.471	1611132	44594.2	17.09	52039.9	665777	99.281 ng/ml
Quetiapine	5.523	656040	63349.2	60.25	8114108.0	91301	103.580 ng/ml
Sertraline	5.750	247535	∞	98.99	7260.2	98098	99.336 ng/ml
Temazepam	5.776	678258	4838.3	29.33	∞	307216	100.290 ng/ml
Tramadol	4.187	1545106	∞	3.33	1197.0	650886	98.667 ng/ml
Trazodone	5.112	863896	107814.3	79.82	246419.2	348093	96.758 ng/ml
Venlafaxine	4.991	1092572	503038.8	47.32	8081.2	522970	98.743 ng/ml
Zolpidem	4.867	1507823	138525.5	27.19	1386721.2	559903	103.481 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

**Instrument** 69679 **Data File** cal 6 mdq.d  
**Type** Cal **Sample** cal 6 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:44:40 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<b>6-MAM</b>	<b>3.062</b>	<b>32907</b>	<b>∞</b>	<b>137.20</b>	<b>∞</b>	<b>33189</b>	<b>256.294</b> ng/ml
7-aminoclonazepam	4.191	329384	9776.6	111.37	9002.7	70842	250.869 ng/ml
a-hydroxyalprazolam	5.650	65465	754.6	65.59	518.6	227418	259.305 ng/ml
alpha-PHP	4.884	528497	5267.0	248.50	257736.0	280153	252.480 ng/ml
alpha-PVP	4.311	1980536	∞	54.26	48758.1	280153	247.611 ng/ml
Alprazolam	5.729	795347	2099.8	89.87	3251.0	106960	256.059 ng/ml
Amphetamine	2.944	1238105	85967.4	251.30	69780.9	172123	220.882 ng/ml
Buprenorphine	5.804	75302	4761.6	15.96	15800.3	36563	24.357 ng/ml
Bupropion	4.735	1874481	121826.2	72.24	9509.4	218748	250.709 ng/ml
Carisoprodol	5.684	433676	835073.2	61.11	3309.2	55031	241.374 ng/ml
Chlorpheniramine	5.068	3103385	4272.0	0.26	39.4	487103	247.576 ng/ml
Citalopram	5.180	1313318	31688.3	41.71	92778.9	190430	260.681 ng/ml
Clonazepam	5.567	430927	113430.5	33.98	214577.2	31597	245.264 ng/ml
Clonazepam	5.508	385037	42478.2	38.17	16395.8	31597	243.535 ng/ml
Cocaine	4.210	1365573	2574716.2	50.50	∞	430063	257.449 ng/ml
Codeine	2.478	157476	12659.4	93.52	47675.9	30645	256.453 ng/ml
Cyclobenzaprine	5.595	1678834	251941.4	8.26	1102.7	191454	249.620 ng/ml
Dextromethorphan	5.218	1018230	100749.8	74.02	1388066.2	185384	251.820 ng/ml
Dextrophan	4.065	1223892	133627.2	44.27	2274682.5	235162	244.235 ng/ml
Diazepam	5.911	563547	25610.0	85.60	2639.7	98092	251.814 ng/ml
Dihydrocodeine	2.447	431072	5193.6	61.33	1839.9	113646	241.353 ng/ml
Diphenhydramine	5.250	4557784	154268.5	31.81	51784.7	816510	252.783 ng/ml
Doxylamine	4.487	4004875	103669.7	93.61	117178.3	517400	250.649 ng/ml
Duloxetine	5.620	189410	708.7	10.52	322.3	21263	256.147 ng/ml
EDDP	5.218	2097036	∞	42.26	∞	382738	257.630 ng/ml
Etizolam	5.774	93704	∞	410.63	3902.8	98092	251.943 ng/ml
Fentanyl	5.056	162291	3479.6	127.91	∞	301335	25.589 ng/ml
Flualprazolam	5.660	324342	2854.4	98.42	2020.4	106960	262.160 ng/ml
Fluorofentanyl	5.113	139779	566.5	117.28	942.9	3257	22.614 ng/ml
Fluoxetine	5.682	1257407	∞	6.87	∞	150699	248.311 ng/ml
Hydrocodone	2.926	637203	6282.7	36.78	10090.7	145884	247.797 ng/ml
Hydromorphone	1.512	578675	5955.9	67.23	322.3	68576	255.715 ng/ml
Hydroxyzine	5.680	899992	1102.9	120.26	1552.8	427959	259.787 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	1189056	278717.5	38.24	22360.6	216478	254.134 ng/ml
Lamotrigine	4.218	102415	4362.7	90.74	19002.1	180278	249.535 ng/ml
Lorazepam	5.707	229454	∞	46.35	489.3	83513	243.137 ng/ml
MDA	3.101	1569116	36470.8	27.71	5945.3	180278	242.611 ng/ml
MDMA	3.208	1198427	3798136.0	103.92	23766.7	50227	249.581 ng/ml
Meprobamate	4.839	441269	15612.6	30.71	3110.9	59707	251.015 ng/ml
Methadone	5.625	3059021	∞	47.23	74403.6	404075	251.697 ng/ml
Methamphetamine	3.127	2779233	77774.6	39.40	17026.4	487985	269.293 ng/ml
Metoprolol	4.273	311755	64362.1	96.67	∞	555439	251.081 ng/ml
Mirtazapine	4.579	2766548	∞	47.00	178455.4	50227	243.821 ng/ml
Mitragynine	5.189	467302	∞	32.16	315409.5	555439	242.459 ng/ml
Morphine	1.156	89703	17362.2	23.12	2422.4	5129	238.495 ng/ml
Norbuprenorphine	4.947	11487	∞	88.53	12213.8	6620	26.828 ng/ml
Nordiazepam	5.855	445667	∞	60.19	20517.4	55271	250.309 ng/ml
Norfentanyl	4.030	35483	4537.3	260.53	2878.2	348799	24.582 ng/ml
Noroxycodone	2.808	579433	74934.9	48.15	2776.8	76004	249.520 ng/ml
O-desmethyl-tramadol	3.299	3001363	534122.7	6.35	85339.7	508751	247.879 ng/ml
O-Desmethylvenlafaxine	4.013	818637	5999.8	236.07	80696.6	115678	251.418 ng/ml
Olanzapine	4.424	844119	568.4	42.95	264.1	81397	254.923 ng/ml
Oxazepam	5.710	488041	38033.5	72.43	∞	83513	251.718 ng/ml
Oxycodone	2.726	1368664	233810.6	30.06	86333.2	200148	248.394 ng/ml
Oxymorphone	1.309	888367	∞	44.80	∞	116433	253.066 ng/ml
Phentermine	3.704	546352	6852.6	9.65	9410.6	274573	242.523 ng/ml
Promethazine	5.511	2422864	113968.4	37.44	267429.8	427959	256.490 ng/ml
Pseudoephedrine	2.471	3338873	81985.0	16.81	173872.2	555439	246.546 ng/ml
Quetiapine	5.523	1326739	∞	58.21	20608.5	76174	251.012 ng/ml
Sertraline	5.750	412037	∞	97.85	∞	65702	247.408 ng/ml
Temazepam	5.776	1234575	71031.9	29.50	3616.7	227418	246.817 ng/ml
Tramadol	4.187	3261342	∞	3.28	2322.8	526958	257.745 ng/ml
Trazodone	5.107	1741309	52228.9	78.30	80211.0	264669	256.262 ng/ml
Venlafaxine	4.991	2411483	48925.5	45.38	60282.7	453380	251.113 ng/ml
Zolpidem	4.867	3064916	260506.4	28.25	44539.9	477724	247.137 ng/ml

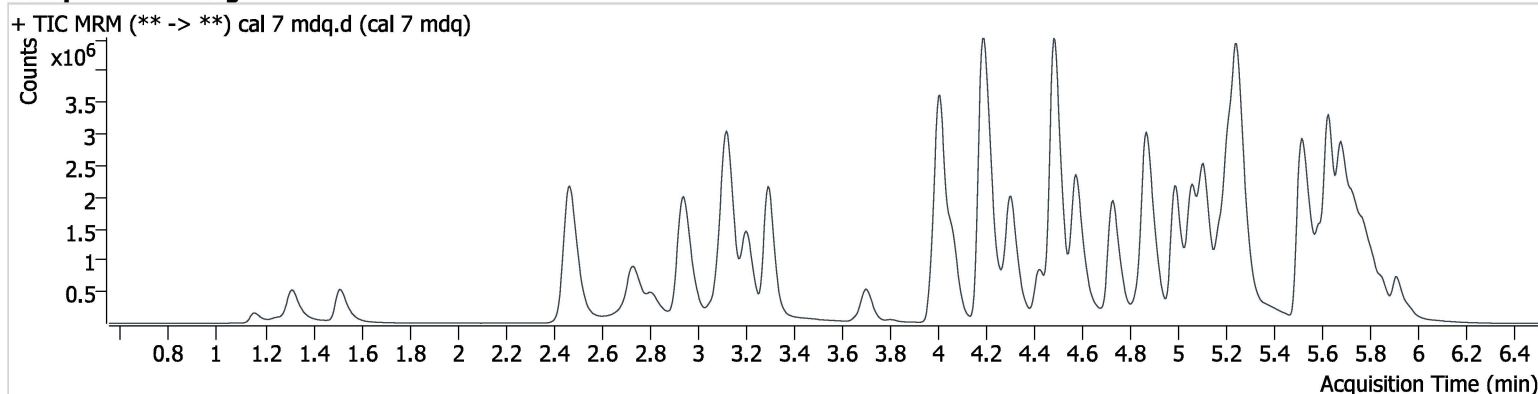


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 9:53:39 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
<b>6-MAM</b>	<b>3.057</b>	<b>62274</b>	<b>100236.0</b>	<b>136.33</b>	<b>88413.8</b>	<b>32326</b>	<b>498.372</b>	ng/ml concentration updated reprinted
7-aminoclonazepam	4.191	498707	25331.3	114.45	19621.2	60301	446.886	ng/ml
a-hydroxyalprazolam	5.645	83212	666.0	65.41	456.1	160621	468.049	ng/ml
alpha-PHP	4.879	933625	21485.4	254.10	43827.2	258020	484.499	ng/ml
alpha-PVP	4.306	3736209	17315.4	53.58	19590.3	258020	507.107	ng/ml
Alprazolam	5.729	1312216	∞	90.38	∞	87550	515.981	ng/ml
Amphetamine	2.944	1958195	28919.6	246.94	69303.6	165548	364.238	ng/ml
Buprenorphine	5.804	139577	89665.8	16.30	24288.4	33369	49.409	ng/ml
Bupropion	4.730	3651153	5872990.7	69.96	69002.9	210696	507.053	ng/ml
Carisoprodol	5.684	582207	634782.4	62.83	2929.7	35621	500.519	ng/ml
Chlorpheniramine	5.063	5908414	7055.1	0.26	138.6	464885	493.818	ng/ml
Citalopram	5.175	2249032	146043.7	42.77	∞	170862	497.627	ng/ml
Clonazepam	5.567	639986	1280770.7	34.76	56345.1	23456	490.977	ng/ml
Clonazepam	5.503	595964	∞	37.42	70390.6	23456	507.198	ng/ml
Cocaine	4.210	2420744	269851.5	49.84	312480.9	394042	498.307	ng/ml
Codeine	2.478	246351	4928.8	96.45	9925.1	26674	461.409	ng/ml
Cyclobenzaprine	5.595	3049591	1697357.6	7.83	∞	177267	489.940	ng/ml
Dextromethorphan	5.218	1654489	108525.5	75.41	73242.1	155879	486.577	ng/ml
Dextrophan	4.065	2255038	73611.9	44.30	108353.7	212677	497.378	ng/ml
Diazepam	5.911	1013488	∞	86.39	3618.6	90067	493.145	ng/ml
Dihydrocodeine	2.442	754296	3118.1	61.33	1008.9	109227	440.196	ng/ml
Diphenhydramine	5.250	8153615	705440.0	31.47	157529.3	723504	510.284	ng/ml
Doxylamine	4.481	7781066	∞	94.84	398830.7	497604	506.248	ng/ml
Duloxetine	5.620	320999	4262.2	11.35	2078.6	17600	524.792	ng/ml
EDDP	5.213	4095049	411364.4	43.47	∞	384159	501.565	ng/ml
Etizolam	5.774	162634	∞	416.11	129819.2	90067	476.166	ng/ml
Fentanyl	5.051	290408	9015.6	130.44	195538.0	275644	50.121	ng/ml
Flualprazolam	5.660	496228	∞	99.11	3017.2	87550	490.620	ng/ml
Fluorofentanyl	5.107	260224	256838.4	115.74	335.0	2527	54.248	ng/ml
Fluoxetine	5.687	2001308	∞	6.84	∞	122770	485.188	ng/ml
Hydrocodone	2.926	1110012	∞	38.07	∞	132669	475.723	ng/ml
Hydromorphone	1.512	1073922	4861.0	73.81	5215.5	63337	514.006	ng/ml
Hydroxyzine	5.680	1631850	944899.6	122.20	94008.4	406167	496.867	ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.984	2081823	125938.4	37.87	23482.2	197866	487.449 ng/ml
Lamotrigine	4.223	150397	∞	93.11	10293.2	139584	473.755 ng/ml
Lorazepam	5.702	232771	35627.1	46.92	1625.6	45982	448.884 ng/ml
MDA	3.101	2287798	86811.2	28.15	4396.2	139584	457.434 ng/ml
MDMA	3.208	2150259	321400.3	103.39	88006.0	45507	494.650 ng/ml
Meprobamate	4.834	669112	20613.7	30.72	5379.6	53422	425.815 ng/ml
Methadone	5.625	5817818	248942.6	46.27	68686.1	381004	507.755 ng/ml
Methamphetamine	3.127	4920985	∞	38.94	25270.4	481051	489.720 ng/ml
Metoprolol	4.273	531997	∞	97.64	∞	479406	496.515 ng/ml
Mirtazapine	4.574	5265195	272996.5	47.66	∞	45507	511.839 ng/ml
Mitragynine	5.184	797845	1210242.0	34.13	195946.3	479406	479.362 ng/ml
Morphine	1.156	166569	18372.5	22.51	12166.7	4724	481.116 ng/ml
Norbuprenorphine	4.942	20997	38507.8	97.18	26988.8	6260	52.087 ng/ml
Nordiazepam	5.855	714786	∞	61.19	∞	44145	502.456 ng/ml
Norfentanyl	4.025	59523	98156.4	257.35	4509.7	267651	53.725 ng/ml
Noroxycodone	2.808	929206	22530.9	47.92	3952.7	63075	482.616 ng/ml
O-desmethyl-tramadol	3.294	5720422	206702.1	6.15	101594.5	484719	496.178 ng/ml
O-Desmethylvenlafaxine	4.008	1460973	3629.9	236.37	23694.5	105428	492.598 ng/ml
Olanzapine	4.419	1833212	408.3	43.65	2579.7	88758	507.846 ng/ml
Oxazepam	5.710	539947	358356.3	73.31	∞	45982	505.539 ng/ml
Oxycodone	2.726	2480652	46589.6	28.99	39749.3	193007	467.747 ng/ml
Oxymorphone	1.314	1637383	∞	45.01	∞	107805	504.086 ng/ml
Phentermine	3.704	916244	∞	9.15	1551.5	257622	434.236 ng/ml
Promethazine	5.511	4630031	591074.9	36.92	1140307.7	406167	516.280 ng/ml
Pseudoephedrine	2.471	5808720	∞	16.73	∞	479406	496.899 ng/ml
Quetiapine	5.528	2333166	75052.1	60.38	51146.3	70130	479.424 ng/ml
Sertraline	5.750	723116	104842.5	97.06	70431.5	54473	524.098 ng/ml
Temazepam	5.776	1772555	83230.3	29.29	5908.9	160621	501.895 ng/ml
Tramadol	4.187	5919724	∞	3.29	∞	490788	502.615 ng/ml
Trazodone	5.107	3314564	102535.3	79.52	∞	247163	522.189 ng/ml
Venlafaxine	4.986	4672509	425027.0	44.30	65898.3	427412	515.926 ng/ml
Zolpidem	4.862	5765269	258674.3	28.00	∞	447693	496.506 ng/ml

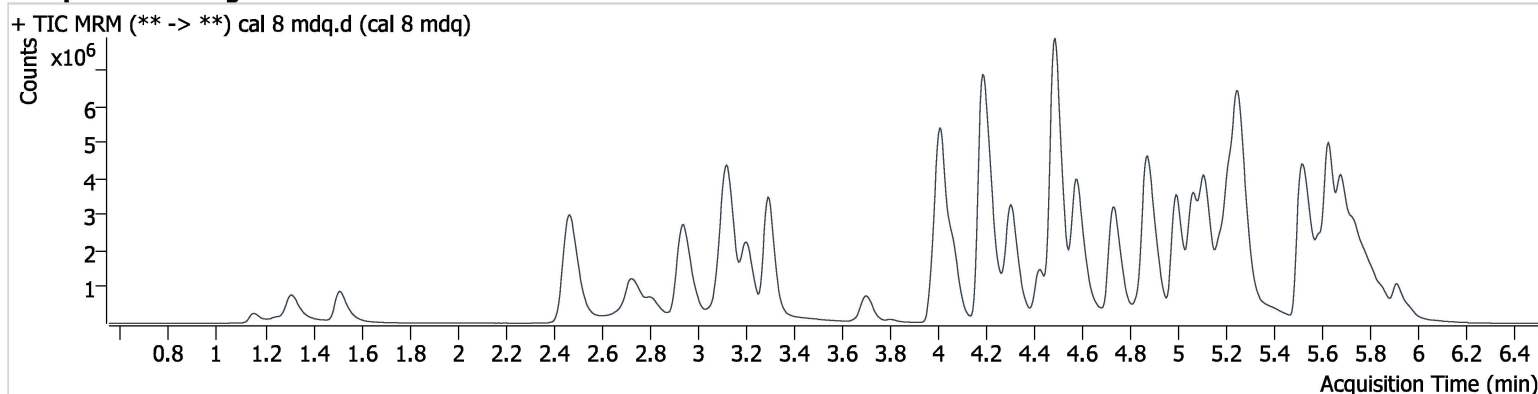


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/7/2022 11:28:09 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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:02:39 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<del>6-MAM</del>	<del>3.057</del>	<del>113402</del>	<del>50166.5</del>	<del>137.09</del>	<del>105356.8</del>	<del>31014</del>	<del>946.323</del> ng/ml
7-aminoclonazepam	4.191	623651	30869.8	106.62	83072.9	44635	755.569 ng/ml
a-hydroxyalprazolam	5.645	91081	1058.6	67.14	1164.2	90575	910.117 ng/ml
alpha-PHP	4.884	1532426	41305.8	247.14	54579.8	219831	933.614 ng/ml
alpha-PVP	4.306	6598931	189519.1	52.24	345241.7	219831	1051.184 ng/ml
Alprazolam	5.729	1910486	19700.9	90.47	5791.7	64554	1018.700 ng/ml
Amphetamine	2.944	2741254	57632.1	247.19	474157.7	149620	565.037 ng/ml
Buprenorphine	5.804	238740	18755.3	16.19	93865.3	27683	101.811 ng/ml
Bupropion	4.737	6445347	227325.7	70.14	58701.3	197690	954.034 ng/ml
Carisoprodol	5.690	649613	822316.6	62.35	4124.2	20132	988.083 ng/ml
Chlorpheniramine	5.069	10629650	1409.0	0.27	490.7	405930	1017.377 ng/ml
Citalopram	5.175	3311142	207295.6	43.39	1438314.8	128712	972.646 ng/ml
Clonazepam	5.567	820580	17008.6	33.16	∞	15090	978.824 ng/ml
Clonazolam	5.503	758909	56991.1	36.95	∞	15090	1003.417 ng/ml
Cocaine	4.216	3936277	187470.0	49.52	∞	320575	996.195 ng/ml
Codeine	2.478	363652	86705.9	93.71	13422.1	21224	856.533 ng/ml
Cyclobenzaprine	5.595	4767029	∞	7.79	∞	135836	999.684 ng/ml
Dextromethorphan	5.218	2553916	409556.5	73.67	63640.7	115768	1011.270 ng/ml
Dextrophan	4.065	3806762	760081.5	44.24	440543.5	176842	1009.568 ng/ml
Diazepam	5.911	1706451	4800651840 47565.0	85.82	17788.7	74289	1006.608 ng/ml
Dihydrocodeine	2.442	1197257	8543.6	62.61	15932.4	102613	744.400 ng/ml
Diphenhydramine	5.255	13380305	476801.5	30.19	171921.9	573502	1056.347 ng/ml
Doxylamine	4.487	14452872	∞	94.92	119424.4	482139	970.388 ng/ml
Duloxetine	5.620	411255	2728.4	11.57	677.9	12116	976.976 ng/ml
EDDP	5.218	6395761	1023968.5	42.71	107771.7	296638	1014.841 ng/ml
Etizolam	5.774	271457	442394.6	399.99	23228.4	74289	963.506 ng/ml
Fentanyl	5.051	459307	15619.7	131.47	189906.5	224296	97.481 ng/ml
Flualprazolam	5.655	653621	∞	93.51	9104.2	64554	876.990 ng/ml
Fluorofentanyl	5.113	435904	295.8	114.41	5077.7	2069	111.021 ng/ml
Fluoxetine	5.687	2883654	∞	6.41	168669.1	81066	1058.831 ng/ml
Hydrocodone	2.926	1894621	∞	37.56	∞	120852	892.401 ng/ml
Hydromorphone	1.512	1911123	3594.8	73.84	3211.2	56961	1017.282 ng/ml

concentration updated and reprinted.

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.680	2664049	4743453.4	119.85	77145.0	336889	978.541 ng/ml
Ketamine	3.984	3343519	154287.7	37.84	31306.3	174387	888.863 ng/ml
Lamotrigine	4.228	194324	14419.5	96.00	28463.1	115582	739.542 ng/ml
Lorazepam	5.702	209762	8886.8	47.24	3112.2	20288	917.924 ng/ml
MDA	3.096	2949900	163070.0	27.39	17099.5	115582	712.667 ng/ml
MDMA	3.208	3424055	258980.8	104.20	423632.0	37612	953.398 ng/ml
Meprobamate	4.839	899907	48952.4	30.48	8772.4	44551	687.077 ng/ml
Methadone	5.625	9781775	505048.4	46.52	2085717.5	328057	991.572 ng/ml
Methamphetamine	3.127	8023415	∞	37.83	64274.2	452492	854.413 ng/ml
Metoprolol	4.273	814178	494119.6	96.15	∞	361154	1008.789 ng/ml
Mirtazapine	4.582	9194500	284398.7	46.54	327286.5	37612	1081.117 ng/ml
Mitragynine	5.189	1161099	21598.1	35.25	19837.5	361154	925.791 ng/ml
Morphine	1.156	317582	58075.9	21.07	16019.6	4113	1053.791 ng/ml
Norbuprenorphine	4.947	37009	83669.4	99.58	1033209.0	6003	95.948 ng/ml
Nordiazepam	5.855	1007895	45532.8	60.73	93189.5	29567	1057.616 ng/ml
Norfentanyl	4.030	82835	2952.1	263.72	15496.7	179465	111.491 ng/ml
Noroxycodone	2.808	1385265	3714155231 0630.4	47.10	∞	44196	1027.369 ng/ml
O-desmethyl-tramadol	3.294	10041203	377538.8	6.04	50001.5	423589	996.961 ng/ml
O-Desmethylvenlafaxine	4.013	2344012	19488.5	236.94	142209.4	85018	980.360 ng/ml
Olanzapine	4.424	3179073	47434.1	45.38	670.5	82054	952.750 ng/ml
Oxazepam	5.710	458504	11153.4	74.06	8266.5	20288	972.705 ng/ml
Oxycodone	2.716	3928247	58512.3	29.52	15490.0	167018	856.797 ng/ml
Oxymorphone	1.309	2783821	∞	44.46	∞	96157	961.143 ng/ml
Phentermine	3.704	1424566	∞	9.31	23684.7	230115	756.560 ng/ml
Promethazine	5.511	8054006	234273.4	35.03	718879.9	336889	1082.577 ng/ml
Pseudoephedrine	2.474	9199048	56700.6	16.33	50861.6	361154	1044.527 ng/ml
Quetiapine	5.528	3691905	142705.2	59.80	1282836.2	54048	984.305 ng/ml
Sertraline	5.750	1047761	∞	98.12	∞	39650	1043.641 ng/ml
Temazepam	5.776	2008009	21165.6	32.78	8004.6	90575	1008.405 ng/ml
Tramadol	4.182	9611277	∞	3.22	∞	421856	949.670 ng/ml
Trazodone	5.114	5384503	290186.7	80.08	644795.1	201624	1039.745 ng/ml
Venlafaxine	4.991	8344071	74226.7	42.29	107870.7	368926	1067.194 ng/ml
Zolpidem	4.867	9665086	960274.0	27.80	130277.1	402156	926.992 ng/ml

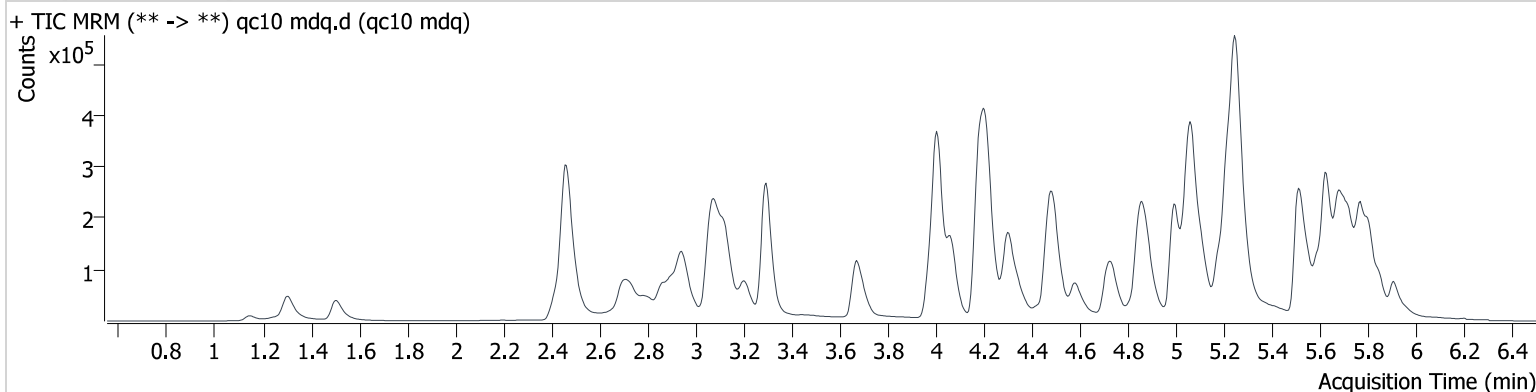
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc10 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc10 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:20:34 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	1679	59404.8	123.95	7479.3	41086	1.014 ng/ml
7-aminoclonazepam	4.196	18857	1358.1	115.75	3037.9	90889	10.390 ng/ml
a-hydroxyalprazolam	5.650	4845	∞	63.52	949.3	347169	10.936 ng/ml
alpha-PPH	4.884	28120	2008.0	249.22	4857.4	358043	10.285 ng/ml
alpha-PVP	4.311	97561	11601.1	54.13	11613.3	358043	9.608 ng/ml
Alprazolam	5.729	46559	472.9	90.01	4644.9	160933	10.100 ng/ml
Amphetamine	2.949	80043	3022.1	270.77	2894.8	207392	10.362 ng/ml
Buprenorphine	5.809	4053	∞	12.85	741.2	43446	1.158 ng/ml
Bupropion	4.735	89003	17096.6	70.20	2000.3	255456	10.141 ng/ml
Carisoprodol	5.684	30061	75620.6	63.37	1781.5	93177	9.964 ng/ml
Chlorpheniramine	5.068	149334	137.4	0.19 <b>Low</b>	5.4 <b>Low</b>	565458	10.320 ng/ml
Citalopram	5.180	75661	1832.4	38.89	21343.7	266908	10.619 ng/ml
Clonazepam	5.567	24780	2449.5	35.56	12426.3	43522	9.946 ng/ml
Clonazepam	5.508	23028	3998.3	41.30	4614.1	43522	11.080 ng/ml
Cocaine	4.210	73524	12384.8	49.57	3353.6	576981	10.118 ng/ml
Codeine	2.478	9818	2405.1	91.99	804.8	44382	10.449 ng/ml
Cyclobenzaprine	5.595	82795	2763.9	8.15	∞	230480	10.011 ng/ml
Dextromethorphan	5.224	56978	10089.6	70.05	2102.6	255870	10.258 ng/ml
Dextrophan	4.065	63849	3398.9	43.59	2858.1	292180	10.443 ng/ml
Diazepam	5.911	27406	2542.7	87.71	1497.0	120091	10.073 ng/ml
Dihydrocodeine	2.452	23593	642.8	62.75	708.3	137031	10.040 ng/ml
Diphenhydramine	5.250	235058	∞	32.50	26626.5	1076163	9.950 ng/ml
Doxylamine	4.492	191381	4962.7	93.70	27340.4	600666	10.423 ng/ml
Duloxetine	5.620	9234	108.6	9.56	37.4	26347	9.771 ng/ml
EDDP	5.218	111712	4659.9	39.36	29331.8	499575	10.179 ng/ml
Etizolam	5.774	5098	7163.8	409.32	∞	120091	11.274 ng/ml
Fentanyl	5.056	8314	195.8	131.33	∞	376793	0.985 ng/ml
Flualprazolam	5.660	20986	∞	95.63	2744.6	160933	10.609 ng/ml
Fluorofentanyl	5.113	7029	3625.4	123.16	183.2	3830	0.972 ng/ml
Fluoxetine	5.682	73177	12195.0	6.81	726.9	214571	10.084 ng/ml
Hydrocodone	2.936	38437	3073.0	37.38	465.0	189484	10.402 ng/ml
Hydromorphone	1.512	29420	2342.1	68.15	229.3	77923	11.264 ng/ml
Hydroxyzine	5.680	42748	201.2	126.61	595.3	507448	9.825 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	64803	11284.3	37.60	621.7	277947	10.102 ng/ml
Lamotrigine	4.218	6305	1253.6	88.33	∞	246044	10.745 ng/ml
Lorazepam	5.702	21503	870.4	47.32	127.6	163633	10.603 ng/ml
MDA	3.106	98737	3073.6	28.98	∞	246044	10.562 ng/ml
MDMA	3.208	62331	3248.2	107.88	10058.7	64863	9.657 ng/ml
Meprobamate	4.839	26557	2285.5	32.05	1236.2	82271	10.403 ng/ml
Methadone	5.625	148634	595472.8	49.05	2268.5	477083	10.285 ng/ml
Methamphetamine	3.127	192871	2864.4	37.70	1267.8	585205	8.449 ng/ml
Metoprolol	4.273	16847	2497.5	96.16	∞	747095	9.986 ng/ml
Mirtazapine	4.579	133547	5785.9	46.39	4393.5	64863	9.390 ng/ml
Mitragynine	5.194	23571	6838.8	29.50	6515.0	747095	9.340 ng/ml
Morphine	1.151	4634	1790.0	23.25	131.5	5861	10.563 ng/ml
Norbuprenorphine	4.942	633	1576.8	97.76	694.5	7720	1.033 ng/ml
Nordiazepam	5.855	24680	4496.4	61.58	∞	74745	10.430 ng/ml
Norfentanyl	4.025	2095	449.0	258.58	256.1	518341	0.988 ng/ml
Noroxycodone	2.813	32759	561.5	51.06	1335.8	102359	10.009 ng/ml
O-desmethyl-tramadol	3.299	149253	10508.2	6.64	2074.4	609239	9.995 ng/ml
O-Desmethylvenlafaxine	4.013	42572	439.8	242.34	714.1	142018	10.363 ng/ml
Olanzapine	4.429	38369	257.0	43.59	185.0	86375	10.791 ng/ml
Oxazepam	5.710	38492	865.9	71.06	97.1	163633	10.380 ng/ml
Oxycodone	2.731	73978	2258.9	28.79	894.1	239990	10.234 ng/ml
Oxymorphone	1.304	43684	∞	45.17	∞	140745	9.983 ng/ml
Phentermine	3.709	31410	329.0	10.35	464.1	334708	10.522 ng/ml
Promethazine	5.511	108540	∞	37.73	1604.9	507448	9.847 ng/ml
Pseudoephedrine	2.471	183626	8638.6	17.16	2533.3	747095	10.128 ng/ml
Quetiapine	5.523	66049	∞	66.63	110361.6	91117	10.487 ng/ml
Sertraline	5.750	20992	97618.0	95.81	11566.4	78913	10.155 ng/ml
Temazepam	5.771	79958	1455.1	27.51	200.2	347169	10.331 ng/ml
Tramadol	4.192	168721	12475.2	3.54	68.7	679411	10.041 ng/ml
Trazodone	5.112	83620	5211.0	78.89	∞	321803	10.262 ng/ml
Venlafaxine	4.996	112665	4398.7	47.55	1183.8	573417	9.451 ng/ml
Zolpidem	4.872	155582	9176.2	27.25	2227.6	592285	9.696 ng/ml

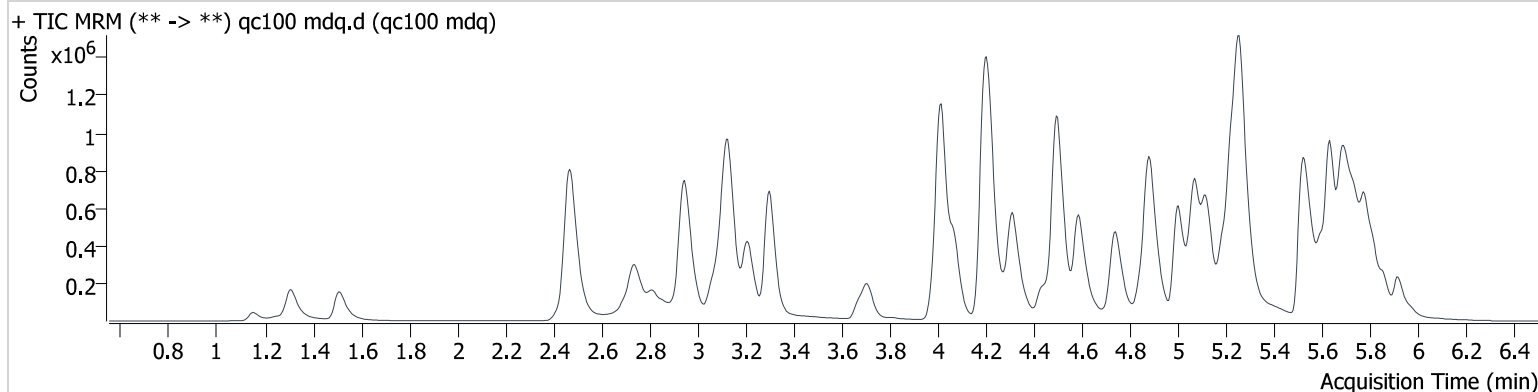
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 1:20:23 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	14608	32350.1	140.31	60677.3	37936	9.926 ng/ml
7-aminoclonazepam	4.201	167977	14486.4	113.89	12141.2	83405	108.189 ng/ml
a-hydroxyalprazolam	5.655	34695	1252.6	65.44	754.5	287159	107.838 ng/ml
alpha-PPH	4.890	243347	3966.0	252.25	10945.7	315665	103.036 ng/ml
alpha-PVP	4.316	886227	∞	53.41	27568.7	315665	98.374 ng/ml
Alprazolam	5.734	387477	∞	91.91	2052.2	137424	97.182 ng/ml
Amphetamine	2.949	632179	34166.8	261.47	36710.2	189073	101.830 ng/ml
Buprenorphine	5.814	31454	∞	17.58	5326.7	38174	9.779 ng/ml
Bupropion	4.741	790429	110146.9	72.71	19754.1	240553	96.102 ng/ml
Carisoprodol	5.690	232216	271553.9	59.97	26057.2	67916	104.775 ng/ml
Chlorpheniramine	5.073	1341422	2820.6	0.26	152.3	515345	101.185 ng/ml
Citalopram	5.185	619591	224874.4	40.18	∞	230626	101.487 ng/ml
Clonazepam	5.572	213545	9392.4	35.38	3046.8	37308	102.758 ng/ml
Clonazepam	5.513	192345	33197.5	38.90	44324.9	37308	103.340 ng/ml
Cocaine	4.215	638772	148493.6	50.23	∞	513786	100.667 ng/ml
Codeine	2.483	82067	5993.5	92.43	10658.4	37106	110.025 ng/ml
Cyclobenzaprine	5.600	767359	121666.9	7.87	182.5	217614	100.246 ng/ml
Dextromethorphan	5.229	479477	∞	78.23	∞	211865	103.789 ng/ml
Dextrorphan	4.070	574942	47812.6	43.72	103131.0	262823	102.772 ng/ml
Diazepam	5.917	253742	∞	84.96	18248.9	109120	101.967 ng/ml
Dihydrocodeine	2.452	208378	1746.0	61.28	3700.7	127373	103.550 ng/ml
Diphenhydramine	5.260	2085024	89672.7	32.06	∞	967319	97.648 ng/ml
Doxylamine	4.497	1755873	∞	92.45	156826.6	563687	100.935 ng/ml
Duloxetine	5.625	92009	1562.1	10.88	1904.7	25057	105.399 ng/ml
EDDP	5.228	1004165	159967.0	42.61	293848.6	477153	98.740 ng/ml
Etizolam	5.779	43036	∞	426.64	∞	109120	104.066 ng/ml
Fentanyl	5.061	71591	2999.6	129.83	4267.1	332806	10.181 ng/ml
Flualprazolam	5.666	164096	1438.9	99.53	∞	137424	102.813 ng/ml
Fluorofentanyl	5.118	62953	559.2	120.64	347.2	3335	9.950 ng/ml
Fluoxetine	5.687	605359	80001.4	7.04	∞	177911	101.220 ng/ml
Hydrocodone	2.931	310728	5900.7	35.26	1094.0	166615	105.137 ng/ml
Hydromorphone	1.512	241565	316.0	74.97	444.1	77101	94.827 ng/ml
Hydroxyzine	5.686	393617	103769.1	121.46	1593.6	479446	101.049 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	565222	104000.7	37.90	5669.9	249262	104.495 ng/ml
Lamotrigine	4.223	50897	42165.9	94.85	164206.3	212367	104.963 ng/ml
Lorazepam	5.713	144167	6257.2	43.62	∞	118530	107.034 ng/ml
MDA	3.106	817784	15438.4	28.11	9280.7	212367	106.972 ng/ml
MDMA	3.213	561623	1226944.5	105.81	32443.4	56000	104.666 ng/ml
Meprobamate	4.849	218462	5149.2	30.74	2015.0	70199	105.359 ng/ml
Methadone	5.630	1320366	460207.8	49.17	8802.8	438594	100.044 ng/ml
Methamphetamine	3.132	1264779	160870.0	39.73	∞	547128	104.804 ng/ml
Metoprolol	4.278	149065	54277.1	96.43	∞	660256	100.932 ng/ml
Mirtazapine	4.584	1224265	552206.9	47.53	1081541.2	56000	96.947 ng/ml
Mitragynine	5.199	201483	104186.2	29.83	109625.0	660256	88.107 ng/ml
Morphine	1.151	41368	8236.6	23.61	1207.3	5639	99.913 ng/ml
Norbuprenorphine	4.952	4777	10245.7	100.03	3395.6	7395	9.835 ng/ml
Nordiazepam	5.860	208451	8752.6	60.85	77668.7	65265	99.261 ng/ml
Norfentanyl	4.030	16904	835.9	265.70	1202.7	440036	9.290 ng/ml
Noroxycodone	2.813	281555	2547.0	48.68	3918.7	89306	102.901 ng/ml
O-desmethyl-tramadol	3.299	1371851	1100422.5	6.35	9983.7	558104	103.099 ng/ml
O-Desmethylvenlafaxine	4.013	385077	4655.1	234.05	53828.9	130055	105.015 ng/ml
Olanzapine	4.434	359154	261.4	42.35	609.0	85747	102.882 ng/ml
Oxazepam	5.715	278113	64544.5	69.10	1716.1	118530	101.221 ng/ml
Oxycodone	2.736	660859	∞	28.71	18259.6	225337	105.954 ng/ml
Oxymorphone	1.309	400388	∞	44.87	∞	130126	101.862 ng/ml
Phentermine	3.709	265071	4672.8	10.23	2612.8	303982	105.740 ng/ml
Promethazine	5.516	1047489	7697308.6	37.90	35685.0	479446	99.081 ng/ml
Pseudoephedrine	2.476	1575076	39620.0	17.41	77441.1	660256	97.871 ng/ml
Quetiapine	5.534	614813	∞	60.36	∞	87122	101.728 ng/ml
Sertraline	5.755	193692	1092548.1	96.78	5330.1	78586	97.019 ng/ml
Temazepam	5.781	637669	14126.4	29.25	3384.3	287159	100.875 ng/ml
Tramadol	4.192	1487536	∞	3.47	3839.8	622951	99.252 ng/ml
Trazodone	5.117	788361	39273.3	78.60	32463.8	298224	103.054 ng/ml
Venlafaxine	5.001	1010481	24837.2	46.62	11261.9	500301	95.468 ng/ml
Zolpidem	4.877	1382833	154198.3	27.91	44844.1	545638	97.358 ng/ml



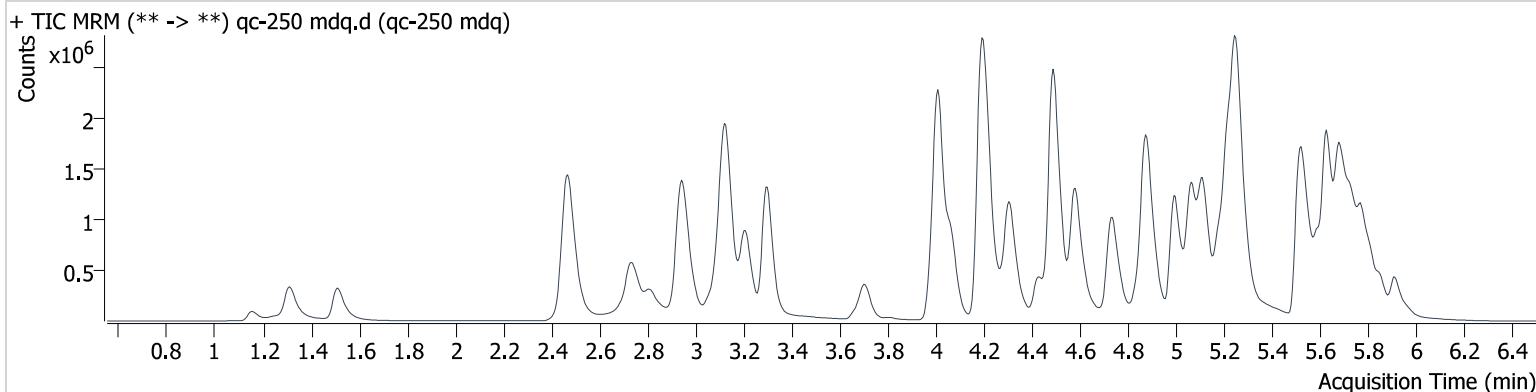
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:29:36 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	33706	84223.0	139.40	∞	34772	25.056 ng/ml
7-aminoclonazepam	4.196	325177	12322.9	109.97	37318.0	69914	250.953 ng/ml
a-hydroxyalprazolam	5.650	63124	2075.9	65.34	∞	216606	262.535 ng/ml
alpha-PHP	4.884	560103	31224.5	245.74	29194.1	289845	258.637 ng/ml
alpha-PVP	4.311	2060491	∞	53.31	42698.0	289845	248.993 ng/ml
Alprazolam	5.729	830204	∞	88.75	∞	111352	256.738 ng/ml
Amphetamine	2.949	1304101	85495.3	249.21	158321.0	175782	227.862 ng/ml
Buprenorphine	5.809	70877	1717.7	16.33	4616.8	35570	23.567 ng/ml
Bupropion	4.735	1869474	38933.4	70.32	50622.9	221320	247.132 ng/ml
Carisoprodol	5.684	421406	431340.8	61.88	4972.8	54385	237.333 ng/ml
Chlorpheniramine	5.068	3306724	3592.2	0.25	300.8	485343	264.750 ng/ml
Citalopram	5.180	1377512	118138.6	40.90	112809.0	199808	260.590 ng/ml
Clonazepam	5.567	418485	7338.4	34.77	972064.6	29475	255.338 ng/ml
Clonazepam	5.508	404533	22794.3	36.61	55526.2	29475	274.216 ng/ml
Cocaine	4.210	1432441	601144.5	49.65	91281.5	448517	258.946 ng/ml
Codeine	2.478	168104	16038.4	90.18	8885.2	32545	257.777 ng/ml
Cyclobenzaprine	5.595	1660327	1427250.4	8.50	∞	189696	249.157 ng/ml
Dextromethorphan	5.224	1023754	68367.3	75.11	332545.2	179289	261.792 ng/ml
Dextrophan	4.065	1299252	135055.3	44.30	44531.3	234964	259.479 ng/ml
Diazepam	5.911	551200	11730.8	85.89	11999.1	95820	252.136 ng/ml
Dihydrocodeine	2.447	456145	2708.8	60.78	1271.3	117900	246.196 ng/ml
Diphenhydramine	5.259	4656438	139002.5	31.66	∞	833185	253.086 ng/ml
Doxylamine	4.487	4188867	240901.5	95.65	∞	520875	260.412 ng/ml
Duloxetine	5.620	184667	1761.8	10.61	203.1	19881	267.114 ng/ml
EDDP	5.218	2300773	106085.3	42.45	81770.1	420806	257.089 ng/ml
Etizolam	5.774	96291	48657.0	412.92	∞	95820	265.032 ng/ml
Fentanyl	5.056	159741	4622.8	132.15	∞	309362	24.531 ng/ml
Flualprazolam	5.660	330174	3282.7	100.55	3130.5	111352	256.332 ng/ml
Fluorofentanyl	5.113	145576	8719.6	117.38	459.6	2877	26.659 ng/ml
Fluoxetine	5.682	1152756	∞	7.02	117949.9	140213	244.668 ng/ml
Hydrocodone	2.931	649695	∞	37.39	61175.1	155715	236.652 ng/ml
Hydromorphone	1.512	608410	7833.7	67.09	304.7	69880	263.844 ng/ml
Hydroxyzine	5.680	886350	154913.9	120.78	840.5	422606	259.089 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	1255479	1964167.0	38.37	1128151.7	226512	256.450 ng/ml
Lamotrigine	4.218	103626	4400.2	92.57	∞	181206	251.197 ng/ml
Lorazepam	5.702	224754	2299.1	44.90	1161.4	78493	253.436 ng/ml
MDA	3.106	1597456	51346.7	27.07	7246.7	181206	245.736 ng/ml
MDMA	3.208	1262588	98382.4	104.74	55644.4	50609	260.976 ng/ml
Meprobamate	4.839	453899	12467.0	31.15	6048.7	62385	247.109 ng/ml
Methadone	5.625	3033443	∞	47.81	22145.8	401352	251.286 ng/ml
Methamphetamine	3.127	2878367	101115.2	39.20	∞	510693	266.419 ng/ml
Metoprolol	4.273	328840	164695.5	96.24	∞	563671	260.977 ng/ml
Mirtazapine	4.579	2886945	214037.4	47.20	∞	50609	252.501 ng/ml
Mitragynine	5.194	424627	29589.3	33.03	208517.4	563671	217.126 ng/ml
Morphine	1.156	93335	12665.4	23.10	1708.6	4971	256.065 ng/ml
Norbuprenorphine	4.947	11290	13888.9	96.92	181330.7	6803	25.647 ng/ml
Nordiazepam	5.855	440303	∞	60.46	69169.4	53722	254.424 ng/ml
Norfentanyl	4.030	34973	8716.0	271.37	2107.5	352855	23.950 ng/ml
Noroxycodone	2.813	588649	∞	47.95	12978.6	78318	245.993 ng/ml
O-desmethyl-tramadol	3.299	3196493	186424.4	6.34	32285.5	538923	249.216 ng/ml
O-Desmethylvenlafaxine	4.013	868476	15455.4	234.84	16550.8	120628	255.784 ng/ml
Olanzapine	4.424	906911	279.1	42.72	472.3	84678	263.277 ng/ml
Oxazepam	5.710	471103	74645.1	71.50	3027.3	78493	258.517 ng/ml
Oxycodone	2.726	1375209	63349.7	32.06	45243.7	206113	242.334 ng/ml
Oxymorphone	1.309	920179	∞	44.36	∞	120311	253.680 ng/ml
Phentermine	3.709	565902	3777.1	9.85	3044.1	282800	243.900 ng/ml
Promethazine	5.511	2376820	79928.9	38.26	∞	422606	254.804 ng/ml
Pseudoephedrine	2.471	3458563	54464.2	16.97	66212.8	563671	251.654 ng/ml
Quetiapine	5.528	1407272	80378.3	58.72	231875.6	77957	260.157 ng/ml
Sertraline	5.750	377491	366200.0	100.41	19966.9	61638	241.602 ng/ml
Temazepam	5.776	1223362	23227.5	29.99	1954.5	216606	256.790 ng/ml
Tramadol	4.187	3416074	∞	3.36	∞	590222	241.016 ng/ml
Trazodone	5.112	1768516	41834.2	78.68	115110.8	278483	247.360 ng/ml
Venlafaxine	4.996	2429372	110551.5	46.42	11468.2	447234	256.447 ng/ml
Zolpidem	4.872	3290368	485547.6	27.36	85362.0	506186	250.404 ng/ml



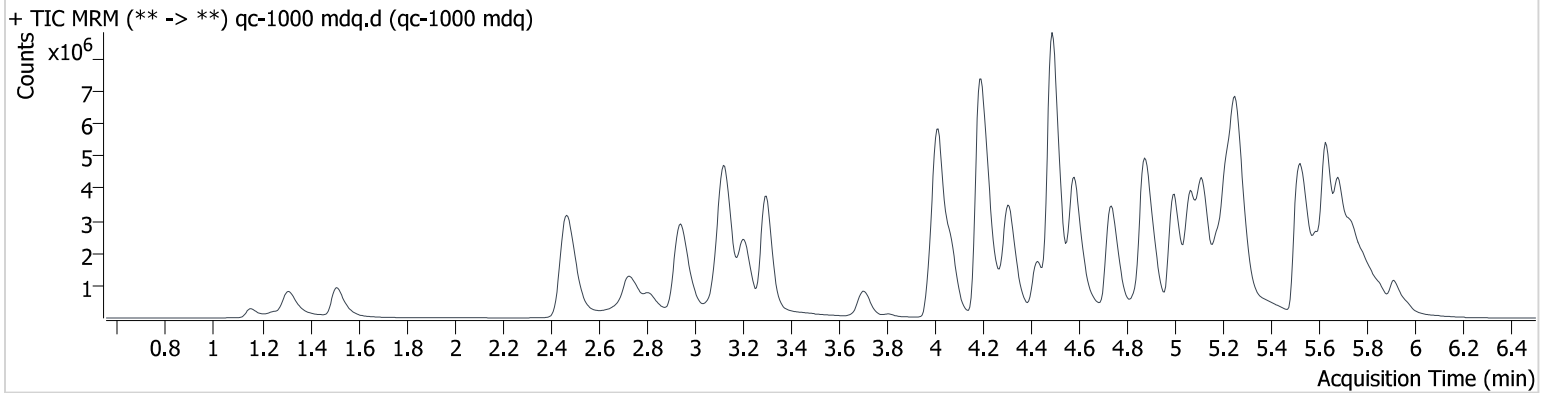
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:38:36 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.057	127903	959125.8	133.12	23750.2	33166	99.812 ng/ml
7-aminoclonazepam	4.191	638316	263439.8	116.90	53565.6	50014	690.088 ng/ml
a-hydroxyalprazolam	5.645	93821	700.0	62.00	365.3	91796	925.049 ng/ml
alpha-PHP	4.890	1661511	412490.7	249.74	44621.7	241300	922.189 ng/ml
alpha-PVP	4.311	7060275	292749.5	52.66	190429.8	241300	1024.607 ng/ml
Alprazolam	5.734	2032005	5921.0	90.47	3104.9	68099	1027.090 ng/ml
Amphetamine	2.949	2992525	220704.5	244.02	134667.1	167918	549.570 ng/ml
Buprenorphine	5.809	245192	33075.1	16.71	252752.0	28555	101.369 ng/ml
Bupropion	4.739	6917981	451571.5	68.55	206240.2	221140	915.405 ng/ml
Carisoprodol	5.690	639436	∞	62.19	∞	20629	949.173 ng/ml
Chlorpheniramine	5.068	11699396	110033.7	0.28	715.6	444628	1022.306 ng/ml
Citalopram	5.180	3534026	171472.7	42.90	164133.7	131366	1017.149 ng/ml
Clonazepam	5.567	818913	25078.5	33.86	322236.7	14353	1027.009 ng/ml
Clonazepam	5.503	789735	25390.8	37.58	11837.8	14353	1097.741 ng/ml
Cocaine	4.218	4261812	613878.2	50.39	317841.0	339602	1018.156 ng/ml
Codeine	2.483	390743	180271.2	94.96	5211.0	19870	983.154 ng/ml
Cyclobenzaprine	5.595	4963139	2289340.9	7.81	9274.3	144469	978.606 ng/ml
Dextromethorphan	5.224	2667632	3098134.9	73.67	6270508681 62464.0	112501	1086.969 ng/ml
Dextrorphan	4.065	4233195	320218.6	44.52	3321779.7	191699	1035.648 ng/ml
Diazepam	5.911	1840002	7461.7	86.97	∞	81579	988.385 ng/ml
Dihydrocodeine	2.442	1303727	1099.3	62.11	7816.5	111144	748.385 ng/ml
Diphenhydramine	5.255	13952151	∞	30.50	127805.2	594725	1062.186 ng/ml
Doxylamine	4.487	16311516	∞	94.72	13903356.7	503269	1049.189 ng/ml
Duloxetine	5.620	403774	487.2	11.88	357.6	10641	1092.167 ng/ml
EDDP	5.218	7850430	322347.3	42.88	642831.4	359218	1028.654 ng/ml
Etizolam	5.774	296168	67595.8	397.54	3841.0	81579	957.267 ng/ml
Fentanyl	5.051	480344	98553.5	130.37	∞	240907	94.914 ng/ml
Flualprazolam	5.660	695918	12115.7	94.54	6914.8	68099	885.138 ng/ml
Fluorofentanyl	5.118	476279	339130.1	109.91	4629.4	1950	128.705 ng/ml
Fluoxetine	5.687	2842239	108150.5	6.62	75917.1	85709	987.079 ng/ml
Hydrocodone	2.931	1906225	∞	40.56	∞	130291	832.740 ng/ml
Hydromorphone	1.512	2061446	3476.9	73.71	3669.3	59796	1045.279 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and printed 11-9-22 Anne Nord

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.680	2823863	1085565.6	120.90	3942.7	353176	989.416 ng/ml
Ketamine	3.989	3612536	11361007.1	38.09	142235.2	189144	885.450 ng/ml
Lamotrigine	4.228	205648	∞	91.46	28229.3	121881	742.187 ng/ml
Lorazepam	5.707	202928	45399.2	46.65	7198.6	18995	948.519 ng/ml
MDA	3.096	3120637	194193.6	27.44	108715.4	121881	714.952 ng/ml
MDMA	3.210	3774806	2405890.4	102.41	225766.8	40824	968.375 ng/ml
Meprobamate	4.839	936412	57904.9	30.47	34157.7	48318	659.192 ng/ml
Methadone	5.630	10569633	237877.3	45.57	1599186.5	351443	1000.142 ng/ml
Methamphetamine	3.127	8749187	∞	37.23	143188.3	514561	819.001 ng/ml
Metoprolol	4.273	881016	2355416.8	95.47	∞	399911	985.811 ng/ml
Mirtazapine	4.579	9967256	3624205.8	46.37	1797429.6	40824	1079.773 ng/ml
Mitragynine	5.189	1103659	107751.2	34.82	695425.4	399911	794.746 ng/ml
Morphine	1.156	313732	21701.8	22.52	5137.6	4319	991.432 ng/ml
Norbuprenorphine	4.947	39903	25774.6	100.95	35079.7	6726	92.313 ng/ml
Nordiazepam	5.855	1069370	16019.3	60.57	82348.8	32975	1006.150 ng/ml
Norfentanyl	4.030	86952	∞	260.41	8711.4	185190	113.415 ng/ml
Noroxycodone	2.813	1475814	741902.3	46.25	12425.4	46044	1050.599 ng/ml
O-desmethyl-tramadol	3.299	10994694	∞	6.10	50385.5	466921	990.319 ng/ml
O-Desmethylvenlafaxine	4.013	2507554	8200.4	239.01	88240.8	90662	983.475 ng/ml
Olanzapine	4.424	3754552	20684.7	45.62	15503.5	97727	944.765 ng/ml
Oxazepam	5.710	434089	5047.0	72.94	∞	18995	983.611 ng/ml
Oxycodone	2.721	4092568	44519.9	29.65	∞	183525	812.299 ng/ml
Oxymorphone	1.309	2983432	∞	44.88	∞	103324	958.606 ng/ml
Phentermine	3.704	1573892	213019.5	8.85	7635.6	256895	748.721 ng/ml
Promethazine	5.511	8738914	1479627.1	36.10	77593.8	353176	1120.463 ng/ml
Pseudoephedrine	2.477	9920710	64522.6	16.60	84216.1	399911	1017.301 ng/ml
Quetiapine	5.528	4087632	∞	59.50	102959.8	59321	992.938 ng/ml
Sertraline	5.750	1053535	7224718.1	96.78	∞	38739	1074.086 ng/ml
Temazepam	5.781	2058332	59168.9	30.54	7633.5	91796	1019.927 ng/ml
Tramadol	4.187	10394645	∞	3.25	17053.9	458447	945.096 ng/ml
Trazodone	5.112	5688495	467401.0	79.84	624435.7	207132	1069.235 ng/ml
Venlafaxine	4.996	8966024	227489.8	42.30	149352.0	405237	1043.992 ng/ml
Zolpidem	4.867	10364044	743887.8	28.28	169136.7	446520	895.253 ng/ml



# AM #28 Multi-Drug Quant. Results

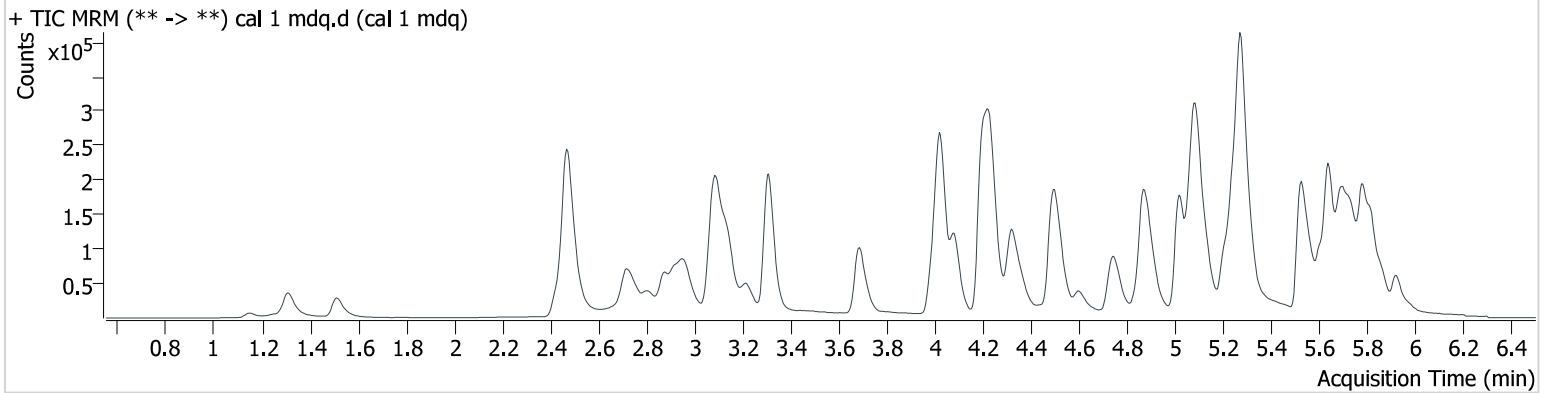
The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** mdqp1 1-21-21long.m  
**Sample Position** P2-A1  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 8:59:38 AM  
**Sample Info.**

**Data File** cal 1 mdq.d  
**Sample** cal 1 mdq  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	749	916769.2	135.19	1137.1	36155	0.492 ng/ml
7-aminoclonazepam	4.216	8565	1088.7	112.39	2732.8	79784	4.970 ng/ml
a-hydroxyalprazolam	5.666	2412	5369.7	76.17	10121.9	330143	4.906 ng/ml
alpha-PPH	4.905	11942	803.9	251.20	2525.8	310846	4.910 ng/ml
alpha-PVP	4.331	44398	9179.2	54.84	1634.8	310846	5.068 ng/ml
Alprazolam	5.744	20994	920.8	90.16	1526.8	145711	5.102 ng/ml
Amphetamine	2.959	39633	1275.5	252.45	2142.0	189406	4.897 ng/ml
Buprenorphine	5.809	1637	66.3	14.95	4290.1	40444	0.535 ng/ml
Bupropion	4.756	40925	2751.0	74.40	489.6	235547	5.029 ng/ml
Carisoprodol	5.695	15996	48226.9	64.61	217.6	100523	4.958 ng/ml
Chlorpheniramine	5.094	64451	208.4	0.41 <b>High</b>	1.4 <b>Low</b>	455741	5.555 ng/ml
Citalopram	5.211	32370	833.5	36.99	∞	238308	5.036 ng/ml
Clonazepam	5.577	12812	21134.3	33.17	∞	43335	5.018 ng/ml
Clonazepam	5.524	10865	9077.6	33.01	379.8	43335	5.528 ng/ml
Cocaine	4.231	33076	4359.2	48.92	17756.9	507770	5.063 ng/ml
Codeine	2.488	4418	662.5	99.18	2013.7	40657	4.819 ng/ml
Cyclobenzaprine	5.611	38320	10944.2	7.43	92.0	206591	5.061 ng/ml
Dextromethorphan	5.249	24139	∞	70.48	909.5	224859	4.972 ng/ml
Dextropropion	4.085	27334	3732.2	43.37	∞	251965	5.284 ng/ml
Diazepam	5.927	12558	3431.2	88.12	2257.2	112554	4.962 ng/ml
Dihydrocodeine	2.462	11223	1603.6	59.31	666.1	123109	4.864 ng/ml
Diphenhydramine	5.281	105599	1790.3	33.01	∞	941437	5.140 ng/ml
Doxylamine	4.512	82154	4273.8	96.52	3786.4	543595	5.002 ng/ml
Duloxetine	5.636	4446	128.7	9.56	20.3	24012	5.011 ng/ml
EDDP	5.244	29199	1759.4	43.79	∞	253420	5.075 ng/ml
Etizolam	5.785	2013	984.7	483.47	2361.3	112554	4.797 ng/ml
Fentanyl	5.082	3548	278.2	131.09	∞	297050	0.503 ng/ml
Flualprazolam	5.681	9454	∞	108.51	20636.2	145711	4.930 ng/ml
Fluorofentanyl	5.138	3331	3756.9	111.92	31.3	3451	0.514 ng/ml
Fluoxetine	5.698	32742	1793.3	6.78	2087.0	190114	5.059 ng/ml
Hydrocodone	2.951	18533	517.0	36.48	232.2	175858	4.847 ng/ml
Hydromorphone	1.522	12898	503.2	69.24	303.0	73234	5.155 ng/ml
Hydroxyzine	5.691	20699	18144.6	122.49	190.0	452087	5.064 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.009	29525	3060.3	38.64	1518.2	243433	4.912 ng/ml
Lamotrigine	4.239	2947	1569.7	93.21	11224.8	231477	5.071 ng/ml
Lorazepam	5.718	10850	∞	36.16	22.8	163899	4.806 ng/ml
MDA	3.121	45837	679.9	27.84	123.6	231477	4.880 ng/ml
MDMA	3.223	28403	45393.2	104.18	8574.3	54904	5.009 ng/ml
Meprobamate	4.865	13612	2666.7	31.95	113.9	85550	4.830 ng/ml
Methadone	5.640	66426	2808.4	48.24	484.5	430945	5.050 ng/ml
Methamphetamine	3.142	128177	696.5	37.83	415.3	506044	4.740 ng/ml
Metoprolol	4.298	7560	∞	99.32	∞	669923	4.944 ng/ml
Mirtazapine	4.600	60457	10152.0	45.06	4551.9	54904	5.155 ng/ml
Mitragynine	5.215	10657	∞	29.75	4805.4	669923	4.837 ng/ml
Morphine	1.156	2055	191.9	22.94	100.6	5369	4.994 ng/ml
Norbuprenorphine	4.988	335	604.0	100.39	538.3	6642	0.541 ng/ml
Nordiazepam	5.866	11473	700.2	63.07	661.8	72799	5.076 ng/ml
Norfentanyl	4.045	934	338.1	240.30	180.8	442444	0.522 ng/ml
Noroxycodone	2.829	15040	894.8	50.91	776.5	90002	4.994 ng/ml
O-desmethyl-tramadol	3.314	66948	17436.5	6.20	1516.5	533947	4.963 ng/ml
O-Desmethylvenlafaxine	4.028	19109	140.0	230.29	349.4	127585	5.028 ng/ml
Olanzapine	4.444	15036	171.4	45.83	154.4	73118	4.924 ng/ml
Oxazepam	5.725	18071	1824.4	74.90	82.8	163899	5.003 ng/ml
Oxycodone	2.751	34447	3188.2	30.15	1212.6	218750	4.735 ng/ml
Oxymorphone	1.314	20095	∞	44.76	∞	126261	4.961 ng/ml
Phentermine	3.724	14117	133.3	10.38	80.3	296391	4.866 ng/ml
Promethazine	5.526	49844	944.6	34.51	272.4	452087	5.154 ng/ml
Pseudoephedrine	2.481	80998	13889.4	17.72	2177.2	669923	5.007 ng/ml
Quetiapine	5.539	30680	19468.7	57.75	12130.7	88867	5.017 ng/ml
Sertraline	5.765	10903	∞	93.13	680.7	76840	5.251 ng/ml
Temazepam	5.792	37009	2466.6	27.40	293.1	330143	4.953 ng/ml
Tramadol	4.212	75874	8428.5	3.76	67.3	600290	4.956 ng/ml
Trazodone	5.133	37042	9476.5	80.37	∞	292871	5.070 ng/ml
Venlafaxine	5.017	52996	4299.4	46.57	1017.7	502085	5.162 ng/ml
Zolpidem	4.893	69729	7167.2	28.79	∞	503856	4.899 ng/ml

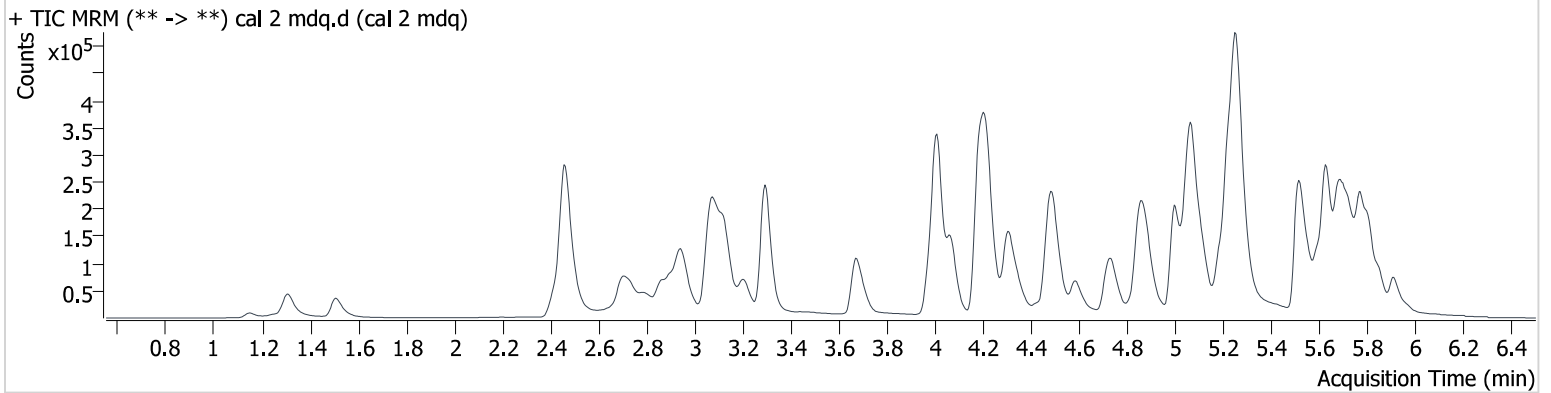
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

**Instrument** 69679 **Data File** cal 2 mdq.d  
**Type** Cal **Sample** cal 2 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:08:40 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	1560	∞	133.48	9220.2	37610	1.030 ng/ml
7-aminoclonazepam	4.201	17432	1578.9	113.11	3144.9	87236	9.977 ng/ml
a-hydroxyalprazolam	5.655	4354	2437.2	72.88	∞	334117	10.097 ng/ml
alpha-PHP	4.890	25831	1656.3	244.86	6120.3	329418	10.268 ng/ml
alpha-PVP	4.316	92402	9817.4	53.90	3152.7	329418	9.889 ng/ml
Alprazolam	5.734	43082	∞	90.75	3127.9	153792	9.784 ng/ml
Amphetamine	2.944	73173	2520.7	278.05	24954.5	193432	10.125 ng/ml
Buprenorphine	5.804	3508	159.0	15.32	480.3	42459	1.032 ng/ml
Bupropion	4.741	82703	14416.9	74.25	1734.1	243443	9.887 ng/ml
Carisoprodol	5.690	31901	40097.0	66.54	∞	98364	10.016 ng/ml
Chlorpheniramine	5.073	140346	1956.3	0.16 <b>Low</b>	4.5 <b>Low</b>	495223	11.070 ng/ml
Citalopram	5.190	65877	2221.6	40.43	∞	248909	9.908 ng/ml
Clonazepam	5.567	26128	3630.3	33.93	∞	46781	9.751 ng/ml
Clonazepam	5.513	20447	824.0	40.24	1651.3	46781	9.244 ng/ml
Cocaine	4.215	65313	1967.9	51.65	4617.2	529729	9.782 ng/ml
Codeine	2.478	9120	∞	90.81	2632.9	42113	10.218 ng/ml
Cyclobenzaprine	5.600	80614	14988.8	8.64	90.1	230616	9.736 ng/ml
Dextromethorphan	5.229	52857	37425.0	68.90	∞	237727	10.243 ng/ml
Dextrophan	4.070	56170	8679.2	44.46	4922.9	269389	9.974 ng/ml
Diazepam	5.917	27230	∞	91.71	∞	118422	10.149 ng/ml
Dihydrocodeine	2.452	22374	555.4	62.61	7636.2	128411	10.171 ng/ml
Diphenhydramine	5.260	210507	4901.6	31.60	2938.5	1001514	9.577 ng/ml
Doxylamine	4.492	167653	20246.9	96.76	4905.8	551866	9.943 ng/ml
Duloxetine	5.625	10897	176.6	8.63	22.8	29620	10.272 ng/ml
EDDP	5.228	108007	3683.6	41.43	∞	503075	9.759 ng/ml
Etizolam	5.779	4695	124428.4	423.01	∞	118422	10.532 ng/ml
Fentanyl	5.061	7837	339.7	127.24	12094.2	350358	0.999 ng/ml
Flualprazolam	5.666	19260	∞	98.84	1323.7	153792	10.161 ng/ml
Fluorofentanyl	5.118	6850	2889.0	117.37	83.4	3791	0.957 ng/ml
Fluoxetine	5.687	74599	∞	6.62	4068.6	225903	9.762 ng/ml
Hydrocodone	2.936	35615	302.1	38.20	291.2	177593	10.271 ng/ml
Hydromorphone	1.517	24050	309.9	76.41	705.7	75853	9.429 ng/ml
Hydroxyzine	5.680	41670	945.0	126.51	616.1	502448	9.663 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.994	59306	3854.6	36.99	460.3	252903	10.165 ng/ml
Lamotrigine	4.223	5467	663.3	100.14	2281.6	239193	9.527 ng/ml
Lorazepam	5.707	21276	660.1	40.09	44.2	167488	10.213 ng/ml
MDA	3.106	93219	2660.6	29.06	∞	239193	10.238 ng/ml
MDMA	3.208	57179	45291.7	107.51	2110.8	58264	9.871 ng/ml
Meprobamate	4.849	27091	3648.8	32.76	1395.5	84789	10.291 ng/ml
Methadone	5.630	138162	45364.3	49.96	1298.1	465295	9.799 ng/ml
Methamphetamine	3.132	188242	6858.9	39.33	1583.9	537110	9.464 ng/ml
Metoprolol	4.278	15889	4437.5	93.19	∞	684456	10.283 ng/ml
Mirtazapine	4.584	123304	13074.5	47.42	∞	58264	9.644 ng/ml
Mitragynine	5.199	24261	35294.0	29.64	24795.9	684456	10.461 ng/ml
Morphine	1.156	4029	894.4	23.06	197.3	5374	10.002 ng/ml
Norbuprenorphine	4.952	556	425.8	89.97	689.4	7984	0.841 ng/ml
Nordiazepam	5.855	23712	∞	64.05	653.3	76701	9.777 ng/ml
Norfentanyl	4.030	1945	351.9	250.44	293.8	497514	0.956 ng/ml
Noroxycodone	2.813	30721	910.0	50.92	6603.2	95938	10.015 ng/ml
O-desmethyl-tramadol	3.299	139013	53770.2	6.47	1153.2	560587	10.121 ng/ml
O-Desmethylvenlafaxine	4.013	38408	220.7	241.70	2311.4	135398	9.790 ng/ml
Olanzapine	4.429	36338	445.1	39.87	141.5	85131	10.364 ng/ml
Oxazepam	5.715	37712	521.4	72.30	340.9	167488	9.947 ng/ml
Oxycodone	2.731	71849	3578.4	29.35	2278.4	227115	10.530 ng/ml
Oxymorphone	1.309	40695	∞	44.66	∞	129409	10.119 ng/ml
Phentermine	3.709	28851	946.3	10.49	89.6	317870	10.145 ng/ml
Promethazine	5.516	105794	29733.4	38.02	557.4	502448	9.696 ng/ml
Pseudoephedrine	2.471	167163	7054.5	17.22	24311.3	684456	10.064 ng/ml
Quetiapine	5.528	64343	∞	60.16	10956.5	94971	9.804 ng/ml
Sertraline	5.755	21598	∞	107.23	904.2	90328	9.092 ng/ml
Temazepam	5.776	76649	∞	26.81	164.3	334117	10.290 ng/ml
Tramadol	4.197	157357	∞	3.68	419.1	629977	10.101 ng/ml
Trazodone	5.117	79541	∞	76.29	2527.7	312686	10.049 ng/ml
Venlafaxine	5.001	104212	51996.1	47.88	630.8	523893	9.567 ng/ml
Zolpidem	4.872	150001	57878.8	26.49	10966.3	542042	10.238 ng/ml



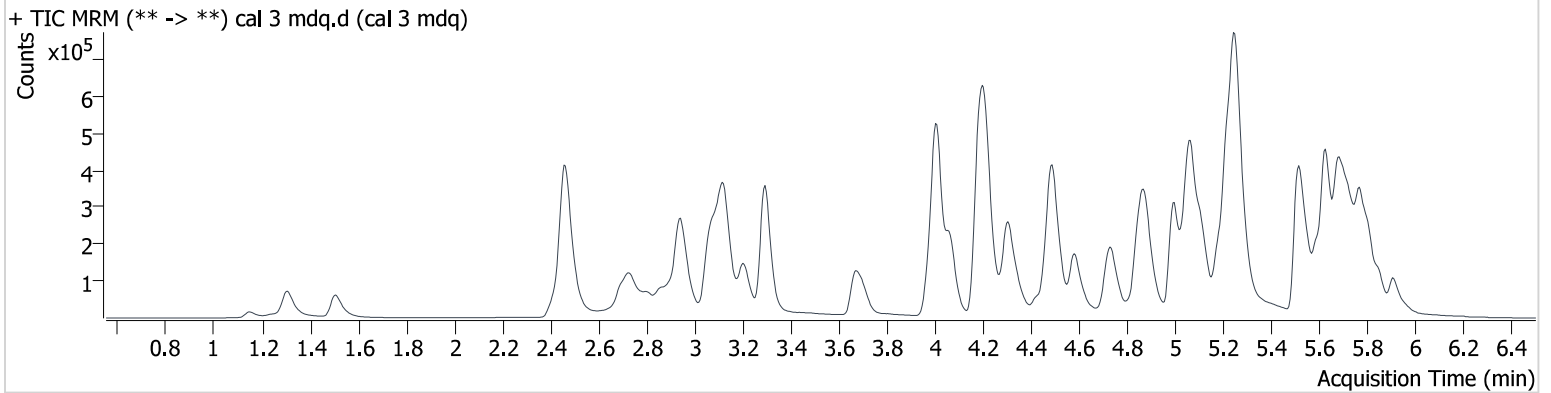
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 9:17:39 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	4101	∞	147.79	278535.0	41999	2.485 ng/ml
7-aminoclonazepam	4.196	51067	1928.5	114.85	1675.0	106498	25.118 ng/ml
a-hydroxyalprazolam	5.650	10859	3973.8	69.47	∞	358275	25.765 ng/ml
alpha-PHP	4.884	68539	1112.5	259.67	3884.7	370106	24.572 ng/ml
alpha-PVP	4.311	254347	40463.2	54.37	9196.6	370106	24.131 ng/ml
Alprazolam	5.729	117326	5224.9	89.45	2425.7	169264	23.999 ng/ml
Amphetamine	2.944	195111	16231.7	260.95	86793.6	215550	26.420 ng/ml
Buprenorphine	5.804	9331	291.3	16.57	1621.9	46688	2.415 ng/ml
Bupropion	4.735	232622	36595.1	70.55	4997.6	278222	24.412 ng/ml
Carisoprodol	5.684	82178	∞	58.49	1104.3	98201	25.708 ng/ml
Chlorpheniramine	5.068	388028	506.8	0.23	31.4	603429	25.042 ng/ml
Citalopram	5.185	182817	2251.1	39.62	14545.8	281229	24.481 ng/ml
Clonazepam	5.567	67833	∞	32.90	197507.9	46728	25.833 ng/ml
Clonazepam	5.508	58486	1362.6	38.56	37574.2	46728	25.488 ng/ml
Cocaine	4.215	182736	136887.1	49.95	15723.9	595123	24.694 ng/ml
Codeine	2.473	24913	4352.5	90.78	3154.6	45171	26.974 ng/ml
Cyclobenzaprine	5.595	218604	70052.8	9.07	493.6	252992	24.396 ng/ml
Dextromethorphan	5.224	140661	∞	72.34	3533.4	262178	24.643 ng/ml
Dextrophan	4.065	155857	10263.1	44.00	60966.2	300165	24.544 ng/ml
Diazepam	5.911	68907	2914.1	87.13	3420.1	120541	25.122 ng/ml
Dihydrocodeine	2.447	62138	1703.1	60.48	945.2	144744	26.465 ng/ml
Diphenhydramine	5.255	599707	59010.5	32.23	∞	1105593	24.619 ng/ml
Doxylamine	4.492	485450	33118.1	93.48	13897.2	631162	25.005 ng/ml
Duloxetine	5.620	28880	230.2	10.79	29.5	35549	23.070 ng/ml
EDDP	5.218	288310	15078.0	41.97	6920.0	538880	24.841 ng/ml
Etizolam	5.774	12275	14824.8	451.72	71406.2	120541	26.929 ng/ml
Fentanyl	5.056	20391	1832.4	130.85	125867.5	393421	2.403 ng/ml
Flualprazolam	5.660	49566	3857.4	105.88	1172.2	169264	24.689 ng/ml
Fluorofentanyl	5.113	18231	12805.0	117.57	16.8	3873	2.485 ng/ml
Fluoxetine	5.682	208688	18767.9	6.74	49528.3	246160	25.169 ng/ml
Hydrocodone	2.931	94946	4993.0	37.12	586.1	197319	26.266 ng/ml
Hydromorphone	1.512	71637	5134.3	72.89	1701.1	84844	25.419 ng/ml
Hydroxyzine	5.680	122091	2165.2	117.35	488.4	581155	25.407 ng/ml



# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	161989	4456.9	38.77	3333.0	290482	25.159 ng/ml
Lamotrigine	4.223	15567	905.6	95.45	81345.4	261519	25.669 ng/ml
Lorazepam	5.707	53141	∞	42.93	194.1	167049	27.198 ng/ml
MDA	3.106	246380	4626.7	28.74	∞	261519	25.677 ng/ml
MDMA	3.208	159670	∞	106.30	7624.5	65758	25.030 ng/ml
Meprobamate	4.844	70173	2823.9	31.39	1462.7	88222	26.492 ng/ml
Methadone	5.625	394721	8058.1	47.91	11308.6	526242	24.869 ng/ml
Methamphetamine	3.127	422389	4666.6	38.97	4611.8	593372	27.032 ng/ml
Metoprolol	4.278	42428	7418.0	93.53	∞	758593	24.924 ng/ml
Mirtazapine	4.579	346463	62620.4	47.72	51641.6	65758	23.582 ng/ml
Mitragynine	5.194	66336	78292.1	29.39	17052.4	758593	25.431 ng/ml
Morphine	1.151	11247	3306.1	22.82	442.8	6071	25.057 ng/ml
Norbuprenorphine	4.942	1444	529.9	113.01	1312.7	8318	2.462 ng/ml
Nordiazepam	5.855	62372	∞	62.06	10294.1	78189	24.932 ng/ml
Norfentanyl	4.030	5099	831.0	267.86	593.1	536261	2.308 ng/ml
Noroxycodone	2.813	81978	4030.6	49.45	970.4	105291	25.046 ng/ml
O-desmethyl-tramadol	3.299	381129	104000.0	6.59	3335.1	629765	25.149 ng/ml
O-Desmethylvenlafaxine	4.013	106779	332.2	237.97	7615.3	147777	25.402 ng/ml
Olanzapine	4.424	100371	150.9	41.94	49.3	98389	24.956 ng/ml
Oxazepam	5.710	96672	5257.0	75.22	3063.4	167049	25.160 ng/ml
Oxycodone	2.731	194751	22151.7	29.52	4991.1	252488	27.123 ng/ml
Oxymorphone	1.309	111211	∞	44.96	∞	144780	25.186 ng/ml
Phentermine	3.709	79881	1450.1	10.23	∞	355027	26.571 ng/ml
Promethazine	5.516	302261	111490.0	37.91	4106.7	581155	23.711 ng/ml
Pseudoephedrine	2.471	454511	∞	17.21	7073.4	758593	24.618 ng/ml
Quetiapine	5.523	177440	177973.0	58.70	2062.3	100692	25.434 ng/ml
Sertraline	5.750	68974	25267.5	96.38	836.9	109204	24.599 ng/ml
Temazepam	5.776	192424	21475.5	29.22	298.3	358275	24.287 ng/ml
Tramadol	4.192	432648	∞	3.39	239.9	703443	25.331 ng/ml
Trazodone	5.112	214761	17503.2	83.96	16485.6	359948	23.373 ng/ml
Venlafaxine	4.996	295157	7343.3	47.75	∞	577284	24.303 ng/ml
Zolpidem	4.872	404935	46856.7	26.46	35494.8	603156	25.466 ng/ml

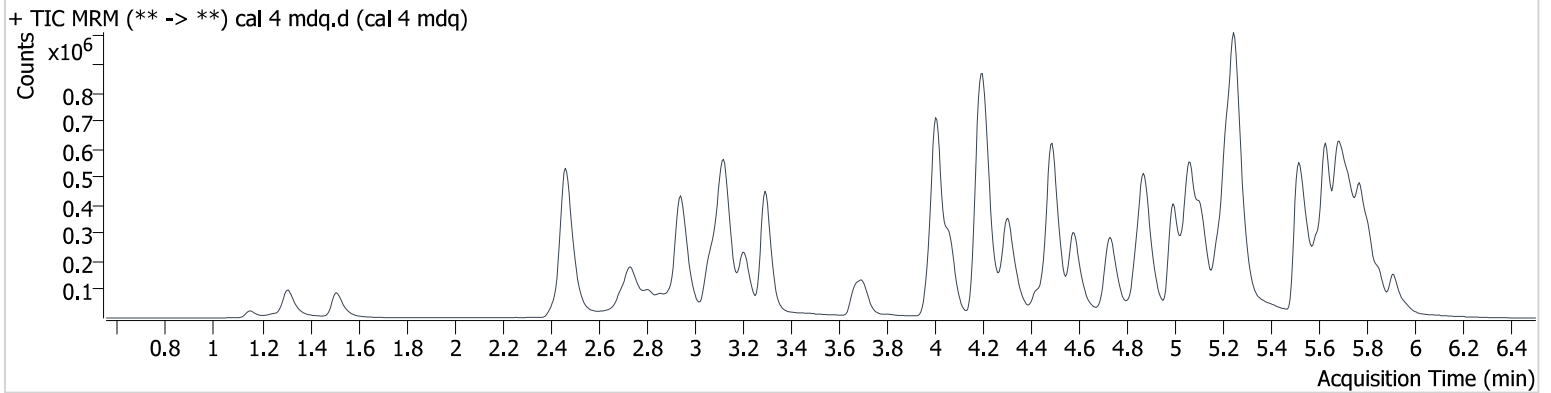
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 9:26:41 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	7591	12719.4	137.10	5304.4	38929	5.005 ng/ml
7-aminoclonazepam	4.196	88689	4409.1	114.35	2233.7	91111	51.856 ng/ml
a-hydroxyalprazolam	5.650	19985	554.0	66.29	1174.2	328725	53.409 ng/ml
alpha-PHP	4.879	130774	2096.5	244.16	∞	325192	53.636 ng/ml
alpha-PVP	4.306	461813	47330.6	54.33	17541.8	325192	49.794 ng/ml
Alprazolam	5.729	210942	2053.6	89.79	5320.9	148066	49.174 ng/ml
Amphetamine	2.944	342502	14222.6	258.57	13999.4	198285	51.845 ng/ml
Buprenorphine	5.804	17786	1079.2	15.94	7243.4	41842	5.073 ng/ml
Bupropion	4.735	424140	50710.6	73.16	7913.8	240066	51.647 ng/ml
Carisoprodol	5.684	143848	∞	61.45	899.1	85645	51.511 ng/ml
Chlorpheniramine	5.068	702673	1113.9	0.25	60.0	549470	49.742 ng/ml
Citalopram	5.180	337760	6761.2	40.27	28031.3	253567	50.268 ng/ml
Clonazepam	5.567	123072	48662.3	31.49	∞	43516	50.619 ng/ml
Clonazepam	5.508	108510	60420.3	36.55	23438.7	43516	50.254 ng/ml
Cocaine	4.210	328575	1444572.5	50.14	8179.3	528130	50.264 ng/ml
Codeine	2.478	43486	8171.0	91.71	3410.3	39911	53.890 ng/ml
Cyclobenzaprine	5.595	423306	423863.2	8.37	479.1	226461	53.034 ng/ml
Dextromethorphan	5.224	259027	652838.2	75.44	∞	238083	49.921 ng/ml
Dextrophan	4.065	287157	∞	44.37	∞	274378	49.271 ng/ml
Diazepam	5.911	134298	∞	86.88	3055.2	118505	49.731 ng/ml
Dihydrocodeine	2.447	110777	6991.8	60.73	6437.7	130086	53.441 ng/ml
Diphenhydramine	5.250	1088041	58073.2	31.98	68356.2	1017886	48.456 ng/ml
Doxylamine	4.487	882230	64136.2	94.66	67781.3	555788	51.489 ng/ml
Duloxetine	5.620	53827	295.7	10.42	1151.3	31407	49.023 ng/ml
EDDP	5.218	529210	30721.9	41.63	193037.7	502362	49.251 ng/ml
Etizolam	5.774	22317	72135.4	437.50	∞	118505	49.732 ng/ml
Fentanyl	5.056	38780	4201.7	124.32	429442.5	356768	5.111 ng/ml
Flualprazolam	5.660	91762	17349.8	98.70	∞	148066	53.027 ng/ml
Fluorofentanyl	5.113	33164	24039.5	122.62	420.8	3497	5.001 ng/ml
Fluoxetine	5.682	371930	50958.0	6.29	14717.2	222380	49.719 ng/ml
Hydrocodone	2.931	166869	2136.9	38.35	3546.7	178237	52.202 ng/ml
Hydromorphone	1.512	118800	370.6	73.81	249.0	77555	46.267 ng/ml
Hydroxyzine	5.680	216310	2454.1	123.39	2936.9	523494	50.558 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	290743	12084.4	38.30	4898.0	252296	52.753 ng/ml
Lamotrigine	4.218	26851	1613.0	93.84	∞	226420	51.667 ng/ml
Lorazepam	5.702	95060	3558.5	43.71	778.4	149399	55.479 ng/ml
MDA	3.106	440417	25999.2	29.25	2487.7	226420	53.710 ng/ml
MDMA	3.208	285558	215157.3	105.34	17150.6	57930	51.235 ng/ml
Meprobamate	4.839	124835	4515.5	30.15	4831.7	77281	54.405 ng/ml
Methadone	5.630	711660	1129584.5	48.53	9234.9	465301	50.790 ng/ml
Methamphetamine	3.132	692516	∞	39.28	∞	551668	53.451 ng/ml
Metoprolol	4.273	74324	474427.4	97.65	∞	683156	48.583 ng/ml
Mirtazapine	4.579	637290	57068.5	46.77	52312.1	57930	48.926 ng/ml
Mitragynine	5.194	122257	39070.0	29.90	21887.5	683156	51.776 ng/ml
Morphine	1.156	20268	3859.5	23.70	1781.6	5485	50.209 ng/ml
Norbuprenorphine	4.947	2653	∞	102.25	52607.0	8083	4.875 ng/ml
Nordiazepam	5.855	114575	∞	62.89	2907.9	73035	48.850 ng/ml
Norfentanyl	4.025	9493	2069.9	249.60	1209.5	479027	4.798 ng/ml
Noroxycodone	2.813	148388	11957.0	48.69	1476.6	96498	49.941 ng/ml
O-desmethyl-tramadol	3.299	686755	66258.7	6.36	4711.8	574445	49.983 ng/ml
O-Desmethylvenlafaxine	4.008	191834	1436.1	237.03	10690.0	134391	50.473 ng/ml
Olanzapine	4.424	171346	339.1	45.58	502.7	88550	47.458 ng/ml
Oxazepam	5.710	173953	807417.9	71.78	628.2	149399	50.360 ng/ml
Oxycodone	2.731	354037	29454.8	29.22	7569.4	232270	54.583 ng/ml
Oxymorphone	1.309	202154	∞	45.24	∞	133862	49.829 ng/ml
Phentermine	3.704	138951	1456.2	10.47	1954.7	313416	53.288 ng/ml
Promethazine	5.511	551561	140366.6	38.33	7805.7	523494	47.866 ng/ml
Pseudoephedrine	2.471	824096	26944.1	17.10	18325.8	683156	49.515 ng/ml
Quetiapine	5.528	315702	859154.7	61.48	16426.6	89635	50.793 ng/ml
Sertraline	5.750	121276	∞	96.56	15220.1	96908	49.087 ng/ml
Temazepam	5.776	364746	8832.5	28.95	757.1	328725	50.331 ng/ml
Tramadol	4.187	776182	∞	3.36	880.8	635142	50.642 ng/ml
Trazodone	5.107	395985	3737.5	80.29	5061.2	319033	48.465 ng/ml
Venlafaxine	4.991	534049	364137.2	48.03	3696.7	533610	47.398 ng/ml
Zolpidem	4.867	746752	89562.9	27.19	∞	552501	51.716 ng/ml

# AM #28 Multi-Drug Quant. Results

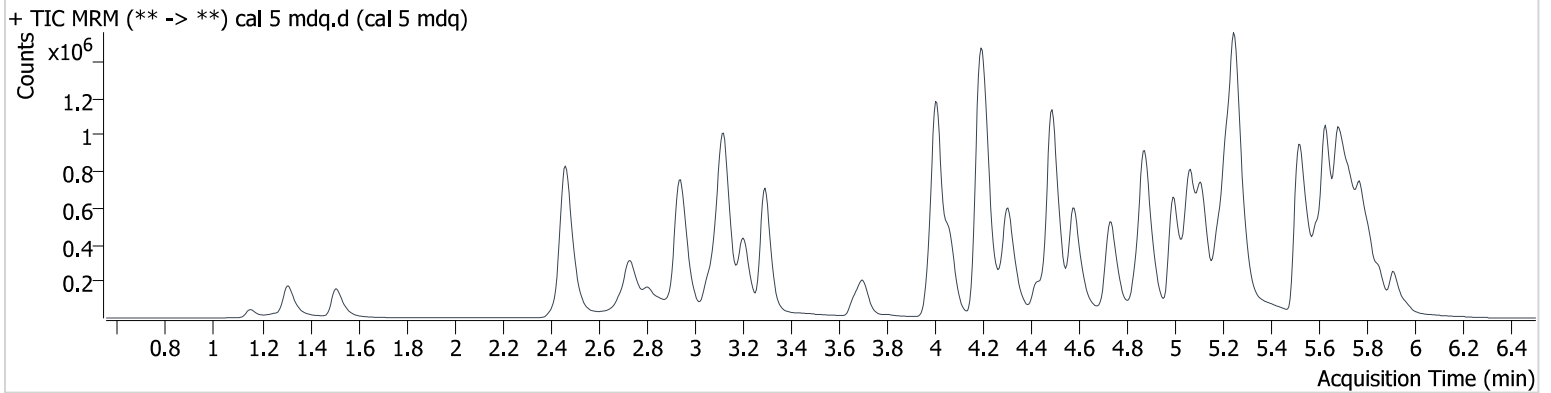
The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** mdqp1 1-21-21long.m  
**Sample Position** P2-E1  
**Injection Volume** 1  
**Acq. Date-Time** 11/3/2022 9:35:40 AM  
**Sample Info.**

**Data File** cal 5 mdq.d  
**Sample** cal 5 mdq  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.057	15093	14769.3	135.54	33748.6	38071	10.221 ng/ml
7-aminoclonazepam	4.191	173661	∞	113.43	39454.4	87242	106.921 ng/ml
a-hydroxyalprazolam	5.650	35372	632.0	66.57	∞	307216	102.685 ng/ml
alpha-PPH	4.884	253581	15506.6	249.05	20834.7	331292	102.303 ng/ml
alpha-PVP	4.306	926983	75703.5	54.20	16315.6	331292	98.045 ng/ml
Alprazolam	5.729	399591	∞	89.92	1690.2	140133	98.282 ng/ml
Amphetamine	2.944	651928	17603.1	253.88	12678.9	192655	103.077 ng/ml
Buprenorphine	5.804	34737	4262.7	17.13	2525.7	44016	9.369 ng/ml
Bupropion	4.735	868536	68450.2	72.63	37020.7	247811	102.509 ng/ml
Carisoprodol	5.684	255205	432016.3	60.47	9227.2	78703	99.369 ng/ml
Chlorpheniramine	5.068	1443243	2599.4	0.25	48.4	556503	100.814 ng/ml
Citalopram	5.180	673432	∞	41.03	∞	252676	100.679 ng/ml
Clonazepam	5.567	232991	17744.9	33.21	∞	40459	103.386 ng/ml
Clonazepam	5.508	192348	23552.0	38.88	28601.1	40459	95.334 ng/ml
Cocaine	4.210	648928	228568.3	50.30	18707.3	528841	99.354 ng/ml
Codeine	2.473	81826	14765.2	90.77	2371.7	38669	105.240 ng/ml
Cyclobenzaprine	5.595	894609	154183.3	8.25	1345.0	254419	99.963 ng/ml
Dextromethorphan	5.218	506832	33214.3	73.91	58120.2	231161	100.554 ng/ml
Dextrorphan	4.065	577165	44809.2	44.17	∞	271856	99.747 ng/ml
Diazepam	5.911	267675	3769.0	86.77	11315.0	118201	99.303 ng/ml
Dihydrocodeine	2.447	213735	1016.8	61.89	7494.1	130488	103.677 ng/ml
Diphenhydramine	5.255	2173283	∞	32.62	468783.5	1012522	97.238 ng/ml
Doxylamine	4.487	1803693	112321.5	94.49	56451.1	590407	98.994 ng/ml
Duloxetine	5.620	118026	475.6	11.26	163.3	33331	101.630 ng/ml
EDDP	5.218	869345	88070.4	43.93	∞	415379	98.194 ng/ml
Etizolam	5.774	44436	∞	429.49	∞	118201	99.198 ng/ml
Fentanyl	5.056	77410	1729.8	129.81	1850366.0	362118	10.117 ng/ml
Flualprazolam	5.660	169708	5999.0	101.75	3049.3	140133	104.283 ng/ml
Fluorofentanyl	5.113	67440	11187.6	120.67	523.6	3856	9.220 ng/ml
Fluoxetine	5.682	688630	19284.6	6.87	64797.3	207261	98.837 ng/ml
Hydrocodone	2.931	326851	9243.7	36.00	1579.7	171646	107.376 ng/ml
Hydromorphone	1.512	265673	3201.0	73.76	2693.6	79172	101.576 ng/ml
Hydroxyzine	5.680	431779	2092.3	123.90	689.5	541065	98.205 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	582063	61000.3	37.44	4546.1	253233	105.931 ng/ml
Lamotrigine	4.218	52828	9741.4	94.29	81567.9	225171	102.741 ng/ml
Lorazepam	5.707	152491	∞	45.96	∞	130012	103.177 ng/ml
MDA	3.101	821852	34374.7	28.70	4574.5	225171	101.357 ng/ml
MDMA	3.208	572682	130022.9	106.18	106992.3	57244	104.406 ng/ml
Meprobamate	4.839	228609	9224.9	32.01	7821.7	77265	100.141 ng/ml
Methadone	5.625	1414430	38576.6	49.70	21542.6	476866	98.569 ng/ml
Methamphetamine	3.127	1351525	19434.6	39.22	∞	542690	113.493 ng/ml
Metoprolol	4.273	150131	102232.9	97.09	∞	665777	100.810 ng/ml
Mirtazapine	4.579	1294561	∞	47.53	208339.5	57244	100.274 ng/ml
Mitragynine	5.194	249036	246325.9	30.24	92258.5	665777	107.940 ng/ml
Morphine	1.156	42585	6908.2	22.50	3796.2	5661	102.449 ng/ml
Norbuprenorphine	4.947	5271	3706.6	99.05	9974.7	7699	10.437 ng/ml
Nordiazepam	5.850	222169	40963.4	61.09	20148.0	71252	96.908 ng/ml
Norfentanyl	4.025	17753	1526.3	269.14	3064.6	454248	9.451 ng/ml
Noroxycodone	2.808	286084	1966.3	48.71	11371.0	92598	100.830 ng/ml
O-desmethyl-tramadol	3.294	1394336	253403.6	6.33	20069.1	579656	100.886 ng/ml
O-Desmethylvenlafaxine	4.008	387967	817.7	235.35	45452.5	135065	101.871 ng/ml
Olanzapine	4.424	385913	611.4	43.11	823.3	90859	104.330 ng/ml
Oxazepam	5.710	301527	4242.8	69.20	1453.7	130012	100.054 ng/ml
Oxycodone	2.726	663283	46089.2	31.70	38108.3	230899	103.760 ng/ml
Oxymorphone	1.309	409242	∞	44.92	∞	134104	101.023 ng/ml
Phentermine	3.704	274533	2989.8	9.94	∞	318506	104.510 ng/ml
Promethazine	5.511	1136516	639696.6	38.44	8995.3	541065	95.266 ng/ml
Pseudoephedrine	2.471	1611132	44594.2	17.09	52039.9	665777	99.281 ng/ml
Quetiapine	5.523	656040	63349.2	60.25	8114108.0	91301	103.580 ng/ml
Sertraline	5.750	247535	∞	98.99	7260.2	98098	99.336 ng/ml
Temazepam	5.776	678258	4838.3	29.33	∞	307216	100.290 ng/ml
Tramadol	4.187	1545106	∞	3.33	1197.0	650886	98.667 ng/ml
Trazodone	5.112	863896	107814.3	79.82	246419.2	348093	96.758 ng/ml
Venlafaxine	4.991	1092572	503038.8	47.32	8081.2	522970	98.743 ng/ml
Zolpidem	4.867	1507823	138525.5	27.19	1386721.2	559903	103.481 ng/ml

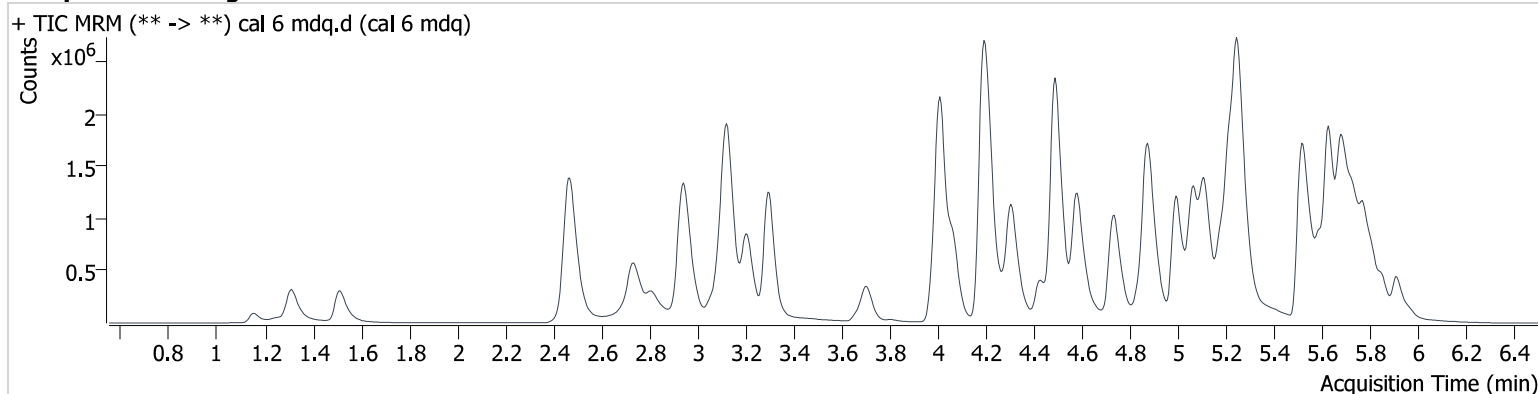
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 6 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 6 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 9:44:40 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	32907	∞	137.20	∞	33189	25.629 ng/ml
7-aminoclonazepam	4.191	329384	9776.6	111.37	9002.7	70842	250.869 ng/ml
a-hydroxyalprazolam	5.650	65465	754.6	65.59	518.6	227418	259.305 ng/ml
alpha-PHP	4.884	528497	5267.0	248.50	257736.0	280153	252.480 ng/ml
alpha-PVP	4.311	1980536	∞	54.26	48758.1	280153	247.611 ng/ml
Alprazolam	5.729	795347	2099.8	89.87	3251.0	106960	256.059 ng/ml
Amphetamine	2.944	1238105	85967.4	251.30	69780.9	172123	220.882 ng/ml
Buprenorphine	5.804	75302	4761.6	15.96	15800.3	36563	24.357 ng/ml
Bupropion	4.735	1874481	121826.2	72.24	9509.4	218748	250.709 ng/ml
Carisoprodol	5.684	433676	835073.2	61.11	3309.2	55031	241.374 ng/ml
Chlorpheniramine	5.068	3103385	4272.0	0.26	39.4	487103	247.576 ng/ml
Citalopram	5.180	1313318	31688.3	41.71	92778.9	190430	260.681 ng/ml
Clonazepam	5.567	430927	113430.5	33.98	214577.2	31597	245.264 ng/ml
Clonazepam	5.508	385037	42478.2	38.17	16395.8	31597	243.535 ng/ml
Cocaine	4.210	1365573	2574716.2	50.50	∞	430063	257.449 ng/ml
Codeine	2.478	157476	12659.4	93.52	47675.9	30645	256.453 ng/ml
Cyclobenzaprine	5.595	1678834	251941.4	8.26	1102.7	191454	249.620 ng/ml
Dextromethorphan	5.218	1018230	100749.8	74.02	1388066.2	185384	251.820 ng/ml
Dextrophan	4.065	1223892	133627.2	44.27	2274682.5	235162	244.235 ng/ml
Diazepam	5.911	563547	25610.0	85.60	2639.7	98092	251.814 ng/ml
Dihydrocodeine	2.447	431072	5193.6	61.33	1839.9	113646	241.353 ng/ml
Diphenhydramine	5.250	4557784	154268.5	31.81	51784.7	816510	252.783 ng/ml
Doxylamine	4.487	4004875	103669.7	93.61	117178.3	517400	250.649 ng/ml
Duloxetine	5.620	189410	708.7	10.52	322.3	21263	256.147 ng/ml
EDDP	5.218	2097036	∞	42.26	∞	382738	257.630 ng/ml
Etizolam	5.774	93704	∞	410.63	3902.8	98092	251.943 ng/ml
Fentanyl	5.056	162291	3479.6	127.91	∞	301335	25.589 ng/ml
Flualprazolam	5.660	324342	2854.4	98.42	2020.4	106960	262.160 ng/ml
Fluorofentanyl	5.113	139779	566.5	117.28	942.9	3257	22.614 ng/ml
Fluoxetine	5.682	1257407	∞	6.87	∞	150699	248.311 ng/ml
Hydrocodone	2.926	637203	6282.7	36.78	10090.7	145884	247.797 ng/ml
Hydromorphone	1.512	578675	5955.9	67.23	322.3	68576	255.715 ng/ml
Hydroxyzine	5.680	899992	1102.9	120.26	1552.8	427959	259.787 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.989	1189056	278717.5	38.24	22360.6	216478	254.134 ng/ml
Lamotrigine	4.218	102415	4362.7	90.74	19002.1	180278	249.535 ng/ml
Lorazepam	5.707	229454	∞	46.35	489.3	83513	243.137 ng/ml
MDA	3.101	1569116	36470.8	27.71	5945.3	180278	242.611 ng/ml
MDMA	3.208	1198427	3798136.0	103.92	23766.7	50227	249.581 ng/ml
Meprobamate	4.839	441269	15612.6	30.71	3110.9	59707	251.015 ng/ml
Methadone	5.625	3059021	∞	47.23	74403.6	404075	251.697 ng/ml
Methamphetamine	3.127	2779233	77774.6	39.40	17026.4	487985	269.293 ng/ml
Metoprolol	4.273	311755	64362.1	96.67	∞	555439	251.081 ng/ml
Mirtazapine	4.579	2766548	∞	47.00	178455.4	50227	243.821 ng/ml
Mitragynine	5.189	467302	∞	32.16	315409.5	555439	242.459 ng/ml
Morphine	1.156	89703	17362.2	23.12	2422.4	5129	238.495 ng/ml
Norbuprenorphine	4.947	11487	∞	88.53	12213.8	6620	26.828 ng/ml
Nordiazepam	5.855	445667	∞	60.19	20517.4	55271	250.309 ng/ml
Norfentanyl	4.030	35483	4537.3	260.53	2878.2	348799	24.582 ng/ml
Noroxycodone	2.808	579433	74934.9	48.15	2776.8	76004	249.520 ng/ml
O-desmethyl-tramadol	3.299	3001363	534122.7	6.35	85339.7	508751	247.879 ng/ml
O-Desmethylvenlafaxine	4.013	818637	5999.8	236.07	80696.6	115678	251.418 ng/ml
Olanzapine	4.424	844119	568.4	42.95	264.1	81397	254.923 ng/ml
Oxazepam	5.710	488041	38033.5	72.43	∞	83513	251.718 ng/ml
Oxycodone	2.726	1368664	233810.6	30.06	86333.2	200148	248.394 ng/ml
Oxymorphone	1.309	888367	∞	44.80	∞	116433	253.066 ng/ml
Phentermine	3.704	546352	6852.6	9.65	9410.6	274573	242.523 ng/ml
Promethazine	5.511	2422864	113968.4	37.44	267429.8	427959	256.490 ng/ml
Pseudoephedrine	2.471	3338873	81985.0	16.81	173872.2	555439	246.546 ng/ml
Quetiapine	5.523	1326739	∞	58.21	20608.5	76174	251.012 ng/ml
Sertraline	5.750	412037	∞	97.85	∞	65702	247.408 ng/ml
Temazepam	5.776	1234575	71031.9	29.50	3616.7	227418	246.817 ng/ml
Tramadol	4.187	3261342	∞	3.28	2322.8	526958	257.745 ng/ml
Trazodone	5.107	1741309	52228.9	78.30	80211.0	264669	256.262 ng/ml
Venlafaxine	4.991	2411483	48925.5	45.38	60282.7	453380	251.113 ng/ml
Zolpidem	4.867	3064916	260506.4	28.25	44539.9	477724	247.137 ng/ml



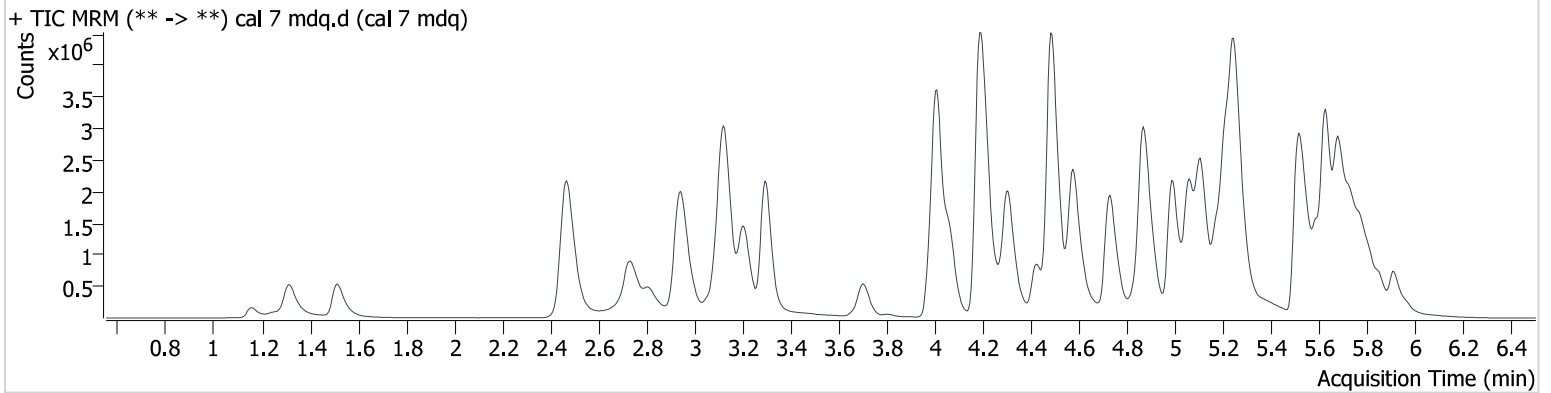
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 9:53:39 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.057	62274	100236.0	136.33	88413.8	32326	49.837 ng/ml
7-aminoclonazepam	4.191	498707	25331.3	114.45	19621.2	60301	446.886 ng/ml
a-hydroxyalprazolam	5.645	83212	666.0	65.41	456.1	160621	468.049 ng/ml
alpha-PHP	4.879	933625	21485.4	254.10	43827.2	258020	484.499 ng/ml
alpha-PVP	4.306	3736209	17315.4	53.58	19590.3	258020	507.107 ng/ml
Alprazolam	5.729	1312216	∞	90.38	∞	87550	515.981 ng/ml
Amphetamine	2.944	1958195	28919.6	246.94	69303.6	165548	364.238 ng/ml
Buprenorphine	5.804	139577	89665.8	16.30	24288.4	33369	49.409 ng/ml
Bupropion	4.730	3651153	5872990.7	69.96	69002.9	210696	507.053 ng/ml
Carisoprodol	5.684	582207	634782.4	62.83	2929.7	35621	500.519 ng/ml
Chlorpheniramine	5.063	5908414	7055.1	0.26	138.6	464885	493.818 ng/ml
Citalopram	5.175	2249032	146043.7	42.77	∞	170862	497.627 ng/ml
Clonazepam	5.567	639986	1280770.7	34.76	56345.1	23456	490.977 ng/ml
Clonazepam	5.503	595964	∞	37.42	70390.6	23456	507.198 ng/ml
Cocaine	4.210	2420744	269851.5	49.84	312480.9	394042	498.307 ng/ml
Codeine	2.478	246351	4928.8	96.45	9925.1	26674	461.409 ng/ml
Cyclobenzaprine	5.595	3049591	1697357.6	7.83	∞	177267	489.940 ng/ml
Dextromethorphan	5.218	1654489	108525.5	75.41	73242.1	155879	486.577 ng/ml
Dextropropriphan	4.065	2255038	73611.9	44.30	108353.7	212677	497.378 ng/ml
Diazepam	5.911	1013488	∞	86.39	3618.6	90067	493.145 ng/ml
Dihydrocodeine	2.442	754296	3118.1	61.33	1008.9	109227	440.196 ng/ml
Diphenhydramine	5.250	8153615	705440.0	31.47	157529.3	723504	510.284 ng/ml
Doxylamine	4.481	7781066	∞	94.84	398830.7	497604	506.248 ng/ml
Duloxetine	5.620	320999	4262.2	11.35	2078.6	17600	524.792 ng/ml
EDDP	5.213	4095049	411364.4	43.47	∞	384159	501.565 ng/ml
Etizolam	5.774	162634	∞	416.11	129819.2	90067	476.166 ng/ml
Fentanyl	5.051	290408	9015.6	130.44	195538.0	275644	50.121 ng/ml
Flualprazolam	5.660	496228	∞	99.11	3017.2	87550	490.620 ng/ml
Fluorofentanyl	5.107	260224	256838.4	115.74	335.0	2527	54.248 ng/ml
Fluoxetine	5.687	2001308	∞	6.84	∞	122770	485.188 ng/ml
Hydrocodone	2.926	1110012	∞	38.07	∞	132669	475.723 ng/ml
Hydromorphone	1.512	1073922	4861.0	73.81	5215.5	63337	514.006 ng/ml
Hydroxyzine	5.680	1631850	944899.6	122.20	94008.4	406167	496.867 ng/ml



# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.984	2081823	125938.4	37.87	23482.2	197866	487.449 ng/ml
Lamotrigine	4.223	150397	∞	93.11	10293.2	139584	473.755 ng/ml
Lorazepam	5.702	232771	35627.1	46.92	1625.6	45982	448.884 ng/ml
MDA	3.101	2287798	86811.2	28.15	4396.2	139584	457.434 ng/ml
MDMA	3.208	2150259	321400.3	103.39	88006.0	45507	494.650 ng/ml
Meprobamate	4.834	669112	20613.7	30.72	5379.6	53422	425.815 ng/ml
Methadone	5.625	5817818	248942.6	46.27	68686.1	381004	507.755 ng/ml
Methamphetamine	3.127	4920985	∞	38.94	25270.4	481051	489.720 ng/ml
Metoprolol	4.273	531997	∞	97.64	∞	479406	496.515 ng/ml
Mirtazapine	4.574	5265195	272996.5	47.66	∞	45507	511.839 ng/ml
Mitragynine	5.184	797845	1210242.0	34.13	195946.3	479406	479.362 ng/ml
Morphine	1.156	166569	18372.5	22.51	12166.7	4724	481.116 ng/ml
Norbuprenorphine	4.942	20997	38507.8	97.18	26988.8	6260	52.087 ng/ml
Nordiazepam	5.855	714786	∞	61.19	∞	44145	502.456 ng/ml
Norfentanyl	4.025	59523	98156.4	257.35	4509.7	267651	53.725 ng/ml
Noroxycodone	2.808	929206	22530.9	47.92	3952.7	63075	482.616 ng/ml
O-desmethyl-tramadol	3.294	5720422	206702.1	6.15	101594.5	484719	496.178 ng/ml
O-Desmethylvenlafaxine	4.008	1460973	3629.9	236.37	23694.5	105428	492.598 ng/ml
Olanzapine	4.419	1833212	408.3	43.65	2579.7	88758	507.846 ng/ml
Oxazepam	5.710	539947	358356.3	73.31	∞	45982	505.539 ng/ml
Oxycodone	2.726	2480652	46589.6	28.99	39749.3	193007	467.747 ng/ml
Oxymorphone	1.314	1637383	∞	45.01	∞	107805	504.086 ng/ml
Phentermine	3.704	916244	∞	9.15	1551.5	257622	434.236 ng/ml
Promethazine	5.511	4630031	591074.9	36.92	1140307.7	406167	516.280 ng/ml
Pseudoephedrine	2.471	5808720	∞	16.73	∞	479406	496.899 ng/ml
Quetiapine	5.528	2333166	75052.1	60.38	51146.3	70130	479.424 ng/ml
Sertraline	5.750	723116	104842.5	97.06	70431.5	54473	524.098 ng/ml
Temazepam	5.776	1772555	83230.3	29.29	5908.9	160621	501.895 ng/ml
Tramadol	4.187	5919724	∞	3.29	∞	490788	502.615 ng/ml
Trazodone	5.107	3314564	102535.3	79.52	∞	247163	522.189 ng/ml
Venlafaxine	4.986	4672509	425027.0	44.30	65898.3	427412	515.926 ng/ml
Zolpidem	4.862	5765269	258674.3	28.00	∞	447693	496.506 ng/ml

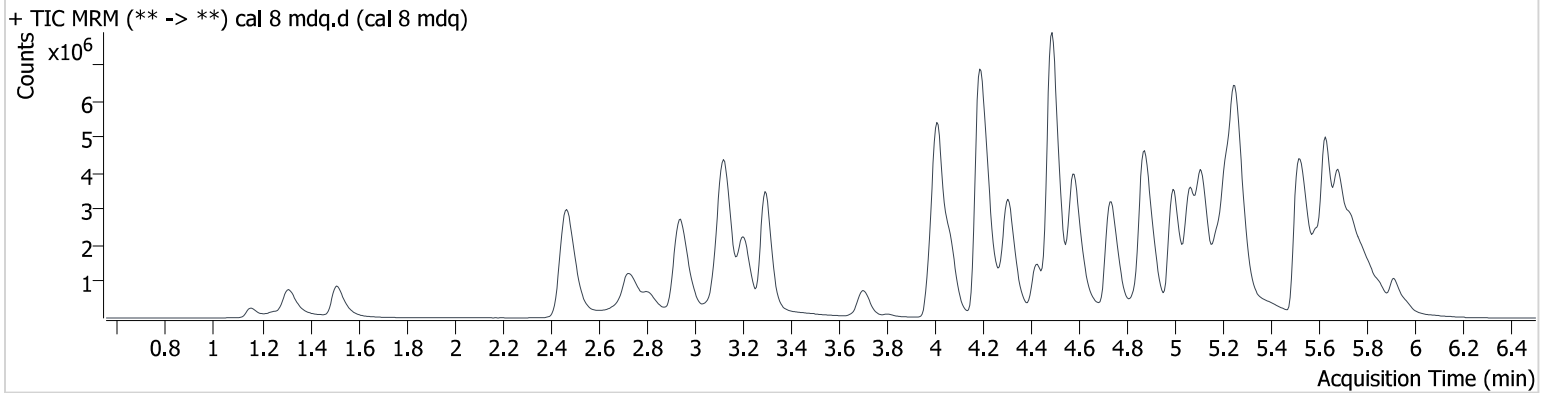
# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

**Batch results** D:\MassHunter\Data\2022\am 27-28\110222rr\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/9/2022 3:04:11 PM

<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 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	1		
<b>Acq. Date-Time</b>	11/3/2022 10:02:39 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.057	113402	50166.5	137.09	105356.8	31014	94.632 ng/ml
7-aminoclonazepam	4.191	623651	30869.8	106.62	83072.9	44635	755.569 ng/ml
a-hydroxyalprazolam	5.645	91081	1058.6	67.14	1164.2	90575	910.117 ng/ml
alpha-PHP	4.884	1532426	41305.8	247.14	54579.8	219831	933.614 ng/ml
alpha-PVP	4.306	6598931	189519.1	52.24	345241.7	219831	1051.184 ng/ml
Alprazolam	5.729	1910486	19700.9	90.47	5791.7	64554	1018.700 ng/ml
Amphetamine	2.944	2741254	57632.1	247.19	474157.7	149620	565.037 ng/ml
Buprenorphine	5.804	238740	18755.3	16.19	93865.3	27683	101.811 ng/ml
Bupropion	4.737	6445347	227325.7	70.14	58701.3	197690	954.034 ng/ml
Carisoprodol	5.690	649613	822316.6	62.35	4124.2	20132	988.083 ng/ml
Chlorpheniramine	5.069	10629650	1409.0	0.27	490.7	405930	1017.377 ng/ml
Citalopram	5.175	3311142	207295.6	43.39	1438314.8	128712	972.646 ng/ml
Clonazepam	5.567	820580	17008.6	33.16	∞	15090	978.824 ng/ml
Clonazepam	5.503	758909	56991.1	36.95	∞	15090	1003.417 ng/ml
Cocaine	4.216	3936277	187470.0	49.52	∞	320575	996.195 ng/ml
Codeine	2.478	363652	86705.9	93.71	13422.1	21224	856.533 ng/ml
Cyclobenzaprine	5.595	4767029	∞	7.79	∞	135836	999.684 ng/ml
Dextromethorphan	5.218	2553916	409556.5	73.67	63640.7	115768	1011.270 ng/ml
Dextrophan	4.065	3806762	760081.5	44.24	440543.5	176842	1009.568 ng/ml
Diazepam	5.911	1706451	4800651840 47565.0	85.82	17788.7	74289	1006.608 ng/ml
Dihydrocodeine	2.442	1197257	8543.6	62.61	15932.4	102613	744.400 ng/ml
Diphenhydramine	5.255	13380305	476801.5	30.19	171921.9	573502	1056.347 ng/ml
Doxylamine	4.487	14452872	∞	94.92	119424.4	482139	970.388 ng/ml
Duloxetine	5.620	411255	2728.4	11.57	677.9	12116	976.976 ng/ml
EDDP	5.218	6395761	1023968.5	42.71	107771.7	296638	1014.841 ng/ml
Etizolam	5.774	271457	442394.6	399.99	23228.4	74289	963.506 ng/ml
Fentanyl	5.051	459307	15619.7	131.47	189906.5	224296	97.481 ng/ml
Flualprazolam	5.655	653621	∞	93.51	9104.2	64554	876.990 ng/ml
Fluorofentanyl	5.113	435904	295.8	114.41	5077.7	2069	111.021 ng/ml
Fluoxetine	5.687	2883654	∞	6.41	168669.1	81066	1058.831 ng/ml
Hydrocodone	2.926	1894621	∞	37.56	∞	120852	892.401 ng/ml
Hydromorphone	1.512	1911123	3594.8	73.84	3211.2	56961	1017.282 ng/ml

# AM #28 Multi-Drug Quant. Results

The concentration for 6-monoacetylmorphine was corrected, re-evaluated and reprinted 11-09-22 Anne Nord.

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.680	2664049	4743453.4	119.85	77145.0	336889	978.541 ng/ml
Ketamine	3.984	3343519	154287.7	37.84	31306.3	174387	888.863 ng/ml
Lamotrigine	4.228	194324	14419.5	96.00	28463.1	115582	739.542 ng/ml
Lorazepam	5.702	209762	8886.8	47.24	3112.2	20288	917.924 ng/ml
MDA	3.096	2949900	163070.0	27.39	17099.5	115582	712.667 ng/ml
MDMA	3.208	3424055	258980.8	104.20	423632.0	37612	953.398 ng/ml
Meprobamate	4.839	899907	48952.4	30.48	8772.4	44551	687.077 ng/ml
Methadone	5.625	9781775	505048.4	46.52	2085717.5	328057	991.572 ng/ml
Methamphetamine	3.127	8023415	∞	37.83	64274.2	452492	854.413 ng/ml
Metoprolol	4.273	814178	494119.6	96.15	∞	361154	1008.789 ng/ml
Mirtazapine	4.582	9194500	284398.7	46.54	327286.5	37612	1081.117 ng/ml
Mitragynine	5.189	1161099	21598.1	35.25	19837.5	361154	925.791 ng/ml
Morphine	1.156	317582	58075.9	21.07	16019.6	4113	1053.791 ng/ml
Norbuprenorphine	4.947	37009	83669.4	99.58	1033209.0	6003	95.948 ng/ml
Nordiazepam	5.855	1007895	45532.8	60.73	93189.5	29567	1057.616 ng/ml
Norfentanyl	4.030	82835	2952.1	263.72	15496.7	179465	111.491 ng/ml
Noroxycodone	2.808	1385265	3714155231 0630.4	47.10	∞	44196	1027.369 ng/ml
O-desmethyl-tramadol	3.294	10041203	377538.8	6.04	50001.5	423589	996.961 ng/ml
O-Desmethylvenlafaxine	4.013	2344012	19488.5	236.94	142209.4	85018	980.360 ng/ml
Olanzapine	4.424	3179073	47434.1	45.38	670.5	82054	952.750 ng/ml
Oxazepam	5.710	458504	11153.4	74.06	8266.5	20288	972.705 ng/ml
Oxycodone	2.716	3928247	58512.3	29.52	15490.0	167018	856.797 ng/ml
Oxymorphone	1.309	2783821	∞	44.46	∞	96157	961.143 ng/ml
Phentermine	3.704	1424566	∞	9.31	23684.7	230115	756.560 ng/ml
Promethazine	5.511	8054006	234273.4	35.03	718879.9	336889	1082.577 ng/ml
Pseudoephedrine	2.474	9199048	56700.6	16.33	50861.6	361154	1044.527 ng/ml
Quetiapine	5.528	3691905	142705.2	59.80	1282836.2	54048	984.305 ng/ml
Sertraline	5.750	1047761	∞	98.12	∞	39650	1043.641 ng/ml
Temazepam	5.776	2008009	21165.6	32.78	8004.6	90575	1008.405 ng/ml
Tramadol	4.182	9611277	∞	3.22	∞	421856	949.670 ng/ml
Trazodone	5.114	5384503	290186.7	80.08	644795.1	201624	1039.745 ng/ml
Venlafaxine	4.991	8344071	74226.7	42.29	107870.7	368926	1067.194 ng/ml
Zolpidem	4.867	9665086	960274.0	27.80	130277.1	402156	926.992 ng/ml