


















5/10/2022

**Worklist: 5861**

REVIEWED

By Britany Wylie at 7:48 am, May 12, 2022

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2022-0722	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0802	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0854	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0888	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0906	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0908	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0911	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0914	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0915	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0919	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0942	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0974	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0974	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0974	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1001	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 5/5/22

Analyst: Anne Nord

Plate lot#: 220324

Plate re-test: 9/24/22

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

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

**Blank Blood Lot:** 22B52020 **Urine Blank lot:** 21522

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

**LCMS-QQQ ID:** 69679

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH, Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 15. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

## Post-Analytic

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

## COMMENTS:

Curve limits: Benzoylcegonine 10-1000, Buprenorphine 1-100, Lorazepam 5-250, Norbuprenorphine 1-100,  
Norhydrocodone 25-1000 Sertraline not evaluated.

On 5/5/22 Mobile phase a ran out just after the calibrators were run (these injections were not evaluated). New mobile phase a was prepared the calibrators were re-injected and on 5/6/22.

**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	854-1	915-1	IS + Cal. 1	IS + QC_1						IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	919-1	974-3	IS + Cal. 2	IS + QC_2						IS + Cal. 7
C	IS + Cal. 3	qc3	888-2	942-1	IS + Cal. 3	qc3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	974-1	906-1	IS + Cal. 4	IS + QC_4					qc2 urine	IS + Cal. 5
E	IS + Cal. 5	Qc 2 urine	908-1	1001-1	IS + Cal. 5	Qc 2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative blood	974-2		IS + Cal. 6						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	802-1	911-1		IS + Cal. 7						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	722-1	914-1		IS + Cal. 8						IS + QC_1	IS + Cal. 1

Run blanks before

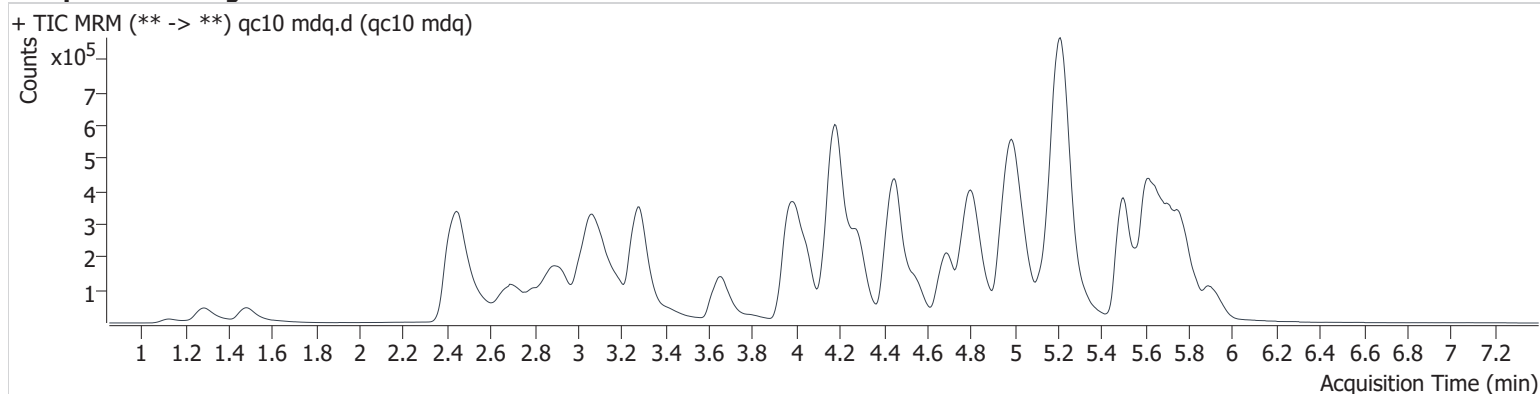
c2022-\_\_\_\_-

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc10 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc10 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 11:48:58 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.038	3356	490.7	138.9	∞	91014	0.911 ng/ml
7-aminoclonazepam	4.202	49009	621.6	72.5	∞	172620	10.443 ng/ml
a-hydroxyalprazolam	5.648	9013	707.4	59.9	5614.6	97912	9.892 ng/ml
alpha-PHP	4.851	155171	31603.2	39.8	1777.7	755393	10.276 ng/ml
alpha-PVP	4.287	204955	12041.3	53.0	2622.3	755393	10.029 ng/ml
Alprazolam	5.743	95788	1682.2	91.4	1841.9	320190	10.076 ng/ml
Amphetamine	2.924	134913	595.3	273.5	3054.8	514570	10.053 ng/ml
Benzoylcegonine	3.805	4104	∞	45.0	57.6	11257	12.422 ng/ml
Buprenorphine	5.704	8344	50030.3	16.8	1084.3	123181	1.153 ng/ml
Bupropion	4.706	184408	181872.6	70.9	2107.1	862429	9.839 ng/ml
Carisoprodol	5.709	50714	36214.1	66.9	611.6	236603	10.141 ng/ml
Citalopram	5.156	150979	4284.1	38.5	3867.3	648099	10.125 ng/ml
Clonazepam	5.576	51733	1481.5	32.6	123076.2	97912	9.995 ng/ml
Clonazepam	5.522	55066	18053.7	38.1	34816.4	612992	10.098 ng/ml
Cocaine	4.191	147974	14500.8	51.4	2124.1	1203839	9.667 ng/ml
Codeine	2.472	21521	2019.5	94.4	∞	97969	10.000 ng/ml
Cyclobenzaprine	5.588	144855	4650.8	8.6	∞	426125	9.855 ng/ml
Dextromethorphan	5.189	104121	8251.7	77.5	1510.9	431091	10.167 ng/ml
Dextrophan	4.048	126434	3042.6	45.5	∞	617284	10.139 ng/ml
Diazepam	5.927	62312	∞	83.7	34010.6	276192	10.380 ng/ml
Dihydrocodeine	2.446	55106	180.6	61.5	310.1	300598	10.393 ng/ml
Diphenhydramine	5.227	442211	4991.7	32.2	3581.3	2361608	10.476 ng/ml
Doxylamine	4.461	458523	17633.8	77.8	7850.6	1682591	9.811 ng/ml
EDDP	5.194	207142	6131.1	44.1	1738.8	1086411	9.493 ng/ml
Etizolam	5.778	43514	160860.7	24.8	∞	276192	10.167 ng/ml
Fentanyl	5.037	14361	5622.2	121.8	35756.8	761636	0.983 ng/ml
Flualprazolam	5.669	38799	1132.2	90.6	9679.9	320190	10.008 ng/ml
Fluoxetine	5.675	114714	2669.6	6.2	2245.2	407967	10.277 ng/ml
Hydrocodone	2.916	63363	720.6	32.5	248.6	359965	9.863 ng/ml
Hydromorphone	1.488	44500	418.0	73.7	624.0	138042	9.785 ng/ml
Ketamine	3.976	139741	∞	38.0	388.8	660720	10.032 ng/ml
Lamotrigine	4.188	11863	2059.3	92.6	∞	445167	9.340 ng/ml
Levetiracetam	2.555	29767	630.1	161.7	1849.5	1750933	10.372 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.716	25064	10019.6	41.0	240.2	266275	10.510 ng/ml
MDA	3.092	178641	3729.5	28.3	29264.0	445167	10.843 ng/ml
MDMA	3.189	130896	3506.7	96.5	16093.0	129458	9.103 ng/ml
Meprobamate	4.852	36816	∞	30.3	2990.6	236603	9.269 ng/ml
Methadone	5.623	254702	828.0	55.3	9776.4	1101327	9.983 ng/ml
Methamphetamine	3.113	350159	322.6	46.6	1585.2	1111072	9.107 ng/ml
Metoprolol	4.264	33665	∞	97.1	1015.5	514570	10.689 ng/ml
Mirtazapine	4.544	292676	76879.7	48.8	67941.6	1101327	9.918 ng/ml
Mitragynine	5.166	51955	31768.7	31.7	21285.5	1750933	10.300 ng/ml
Morphine	1.127	9913	867.4	24.1	283.1	13229	9.871 ng/ml
Norbuprenorphine	4.947	1199	4434.3	106.7	1126.7	25585	1.062 ng/ml
Nordiazepam	5.860	50746	∞	60.3	∞	172309	10.413 ng/ml
Norfentanyl	4.002	11459	1775.6	33.0	∞	1207051	1.101 ng/ml
Norhydrocodone	<del>2.952</del>	<del>4030</del>	<del>536.8</del>	<del>25.0</del> <b>Low</b>	<del>73.1</del>	<del>78916</del>	<del>14.817</del> ng/ml <b>ocr</b>
Noroxycodone	2.787	47220	∞	45.6	∞	169293	10.091 ng/ml
O-desmethyl-tramadol	3.286	318276	5524.5	6.5	2137.7	1501200	9.902 ng/ml
Oxazepam	5.728	50910	4908.0	73.5	∞	266275	9.935 ng/ml
Oxycodone	2.720	142949	∞	29.1	∞	561376	10.205 ng/ml
Oxymorphone	1.290	66503	∞	44.2	∞	225975	10.070 ng/ml
Phentermine	3.689	57900	473.7	10.0	5883.7	698252	9.979 ng/ml
Promethazine	5.498	198967	3955.9	39.7	1526.2	997792	9.640 ng/ml
Pseudoephedrine	2.454	355685	2774.8	16.4	3632.9	1750933	9.938 ng/ml
Quetiapine	5.501	151140	17127.6	60.9	237129.2	248193	9.897 ng/ml
Sertraline	<del>5.738</del>	<del>33403</del>	<del>7663.6</del>	<del>94.5</del>	<del>2861.1</del>	<del>127665</del>	<del>10.847</del> ng/ml <b>NE</b>
Temazepam	5.791	124473	2384.9	29.0	∞	612992	9.758 ng/ml
Tramadol	4.177	333519	24324.7	3.6	324.7	1466558	10.252 ng/ml
Trazodone	5.036	192256	1478.5	80.0	1480.7	833669	9.747 ng/ml
Venlafaxine	4.970	236426	16364.9	37.7	1484.6	1575365	10.278 ng/ml
Zolpidem	4.813	355702	8914.6	29.2	3742.3	1623707	10.381 ng/ml

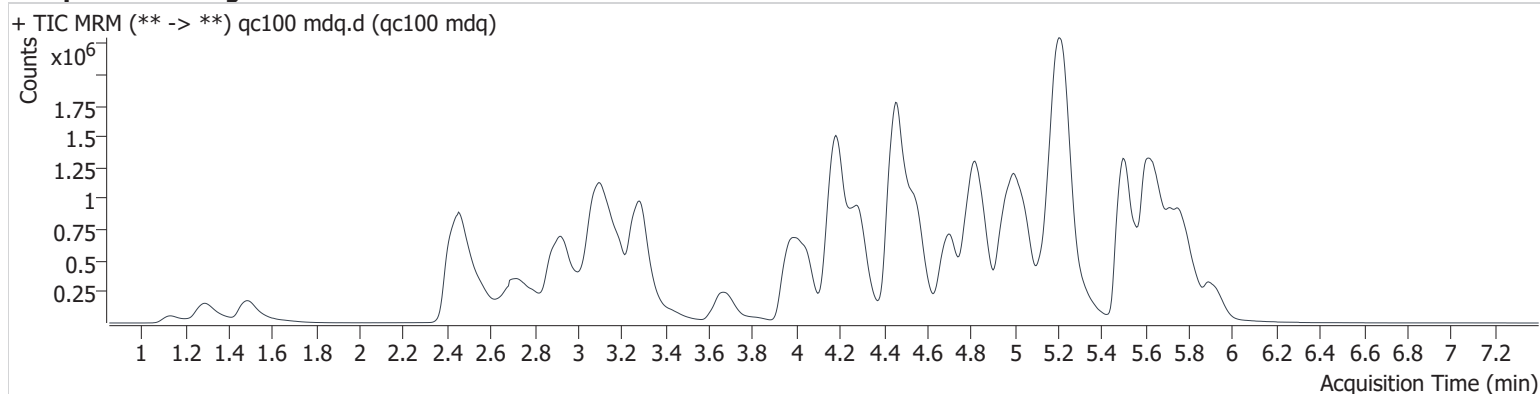


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 2:40:36 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.043	31474	136423.5	131.3	61837.2	79840	10.303 ng/ml
7-aminoclonazepam	4.207	338093	3845.0	76.0	19595.9	125788	99.940 ng/ml
a-hydroxyalprazolam	5.643	59723	2556.9	56.5	∞	67066	99.403 ng/ml
alpha-PHP	4.856	1468325	48098.2	38.9	9133.4	740227	100.343 ng/ml
alpha-PVP	4.287	1999402	294842.8	53.0	256486.8	740227	98.606 ng/ml
Alprazolam	5.743	768315	1884.3	94.9	5424.2	256732	94.241 ng/ml
Amphetamine	2.924	1135213	9512.3	245.4	35550.6	444052	103.242 ng/ml
Benzoylcegonine	3.820	39471	3702.5	55.2	604.0	12222	102.727 ng/ml
Buprenorphine	5.715	69952	29086.4	15.3	14845.7	110538	9.438 ng/ml
Bupropion	4.706	1799237	1299753.4	70.5	28411.8	835673	98.082 ng/ml
Carisoprodol	5.709	371702	302068.7	66.2	10740.8	178188	98.003 ng/ml
Citalopram	5.151	1337190	16787.5	40.7	66772.9	579076	101.682 ng/ml
Clonazepam	5.581	354507	∞	34.8	∞	67066	102.978 ng/ml
Clonazepam	5.527	461482	106922.8	37.7	74556.8	452817	103.323 ng/ml
Cocaine	4.191	1436685	529128.1	49.9	∞	1159480	99.340 ng/ml
Codeine	2.472	185424	22424.1	93.5	12971.4	82753	106.287 ng/ml
Cyclobenzaprine	5.588	1219935	425511.6	8.6	10828.7	351379	101.642 ng/ml
Dextromethorphan	5.194	927425	253997.2	77.1	60770.8	387024	99.932 ng/ml
Dextrorphan	4.048	1245039	∞	44.3	7766.4	606966	98.663 ng/ml
Diazepam	5.917	526466	∞	84.6	2052.4	234459	105.536 ng/ml
Dihydrocodeine	2.446	516957	3172.8	60.3	493.9	286201	108.118 ng/ml
Diphenhydramine	5.227	4066245	338974.6	31.7	9487.6	2187850	103.825 ng/ml
Doxylamine	4.461	4677550	∞	78.9	137018.2	1714018	98.948 ng/ml
EDDP	5.194	2105632	∞	43.4	427677.2	1073064	97.236 ng/ml
Etizolam	5.789	379476	6447.4	25.5	∞	234459	111.214 ng/ml
Fentanyl	5.037	143492	62648.5	110.5	∞	696506	10.111 ng/ml
Flualprazolam	5.679	318492	20699.8	95.7	5932.8	256732	101.941 ng/ml
Fluoxetine	5.680	769919	∞	6.9	2762.2	291574	97.694 ng/ml
Hydrocodone	2.921	555311	243.0	36.5	651.0	292746	103.890 ng/ml
Hydromorphone	1.488	446682	2765.1	72.5	1258.7	135785	98.892 ng/ml
Ketamine	3.971	1369124	1020261.2	38.2	49264.1	660089	102.174 ng/ml
Lamotrigine	4.198	112029	116684.5	84.0	13512.0	348152	106.108 ng/ml
Levetiracetam	2.555	272351	13520.9	158.5	17468.3	1688130	106.596 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Lorazepam	5.722	111904	∞	47.0	∞	144757	90.768	ng/ml
MDA	3.087	1364800	∞	28.0	6760.9	348152	110.031	ng/ml
MDMA	3.189	1249534	71363.9	96.7	504067.0	126424	96.313	ng/ml
Meprobamate	4.852	301913	654648.3	29.9	23584.6	178188	95.901	ng/ml
Methadone	5.623	2428459	232505.7	53.7	40147.7	1052515	97.253	ng/ml
Methamphetamine	3.108	2707412	20038.5	39.2	42720.4	1112157	109.260	ng/ml
Metoprolol	4.259	308396	37698.3	94.7	125965.6	444052	107.007	ng/ml
Mirtazapine	4.544	2881334	98088.6	49.5	60107.8	1052515	100.496	ng/ml
Mitragynine	5.161	439312	8322.4	34.4	31482.3	1688130	95.090	ng/ml
Morphine	1.132	98905	11046.9	20.7	805.6	13284	100.184	ng/ml
Norbuprenorphine	4.942	10801	35795.6	87.5	6833.1	22992	10.173	ng/ml
Nordiazepam	5.860	378603	∞	63.1	∞	132577	102.481	ng/ml
Norfentanyl	4.008	93868	19424.7	38.3	141902.7	1132234	9.801	ng/ml
Norhydrocodone	2.968	48767	2380.7	31.5	326.7	81356	98.775	ng/ml
Noroxycodone	2.798	426038	∞	44.8	∞	144733	103.246	ng/ml
O-desmethyl-tramadol	3.286	3277937	47987.3	6.5	30975.8	1545369	99.501	ng/ml
Oxazepam	5.728	269947	14820.3	73.0	1043.9	144757	96.205	ng/ml
Oxycodone	2.715	1322522	∞	29.2	∞	526272	102.379	ng/ml
Oxymorphone	1.290	657306	∞	44.4	∞	225558	102.422	ng/ml
Phentermine	3.683	575499	6799.9	9.5	∞	686795	104.800	ng/ml
Promethazine	5.493	1916021	616975.0	38.4	19724.2	899500	100.052	ng/ml
Pseudoephedrine	2.459	3440925	48194.1	16.5	5371.5	1688130	99.859	ng/ml
Quetiapine	5.501	1441736	1756813.2	60.9	691143.1	240191	98.410	ng/ml
Sertraline	5.738	233099	258893.6	98.0	8737.1	93135	103.567	ng/ml NE
Temazepam	5.796	931902	13712.1	29.6	17892.1	452817	93.988	ng/ml
Tramadol	4.177	3209065	69581.1	3.7	2724.7	1462755	103.082	ng/ml
Trazodone	5.041	1820823	1116514960 828910.0	80.0	76586.6	780260	95.696	ng/ml
Venlafaxine	4.970	2348005	2584413.5	38.2	11487.5	1557540	99.602	ng/ml
Zolpidem	4.813	3439548	121331.7	29.6	∞	1610758	102.335	ng/ml

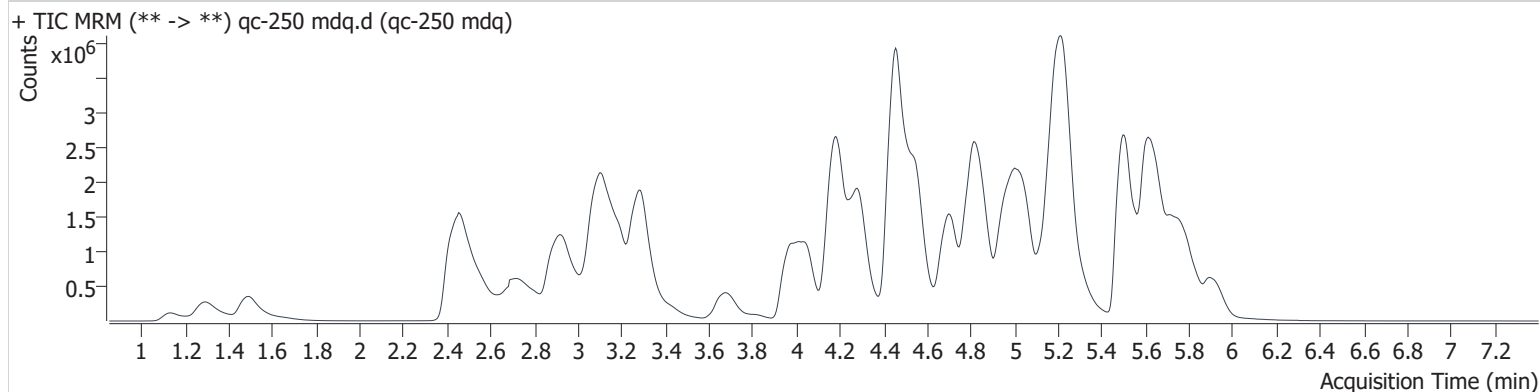


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 11:58:01 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.043	59520	49847.7	137.8	22083.4	61293	25.464 ng/ml
7-aminoclonazepam	4.207	709458	4575.2	76.2	7880.9	100753	262.033 ng/ml
a-hydroxyalprazolam	5.643	88526	∞	57.0	593.0	43217	229.204 ng/ml
alpha-PHP	4.856	3384243	96724.5	39.8	17760.6	672674	254.697 ng/ml
alpha-PVP	4.287	4651863	173648.3	53.1	46805.3	672674	252.244 ng/ml
Alprazolam	5.738	1547284	2484.8	92.5	6020.8	196828	246.367 ng/ml
Amphetamine	2.924	2167361	10567.6	240.2	62198.7	356724	246.184 ng/ml
Benzoylcegonine	3.820	95724	126268.6	54.7	3413.7	12289	246.450 ng/ml
Buprenorphine	5.715	163824	52700.4	15.6	15377.3	97496	24.796 ng/ml
Bupropion	4.706	4379033	209540.5	69.8	51169.9	811289	245.726 ng/ml
Carisoprodol	5.709	644713	∞	66.9	15040.1	124795	242.595 ng/ml
Citalopram	5.146	2804522	41318.1	40.4	76543.5	487354	253.618 ng/ml
Clonazepam	5.576	559426	64108.7	35.0	270319.0	43217	252.656 ng/ml
Clonazepam	5.527	839856	12465.2	38.2	∞	310477	272.449 ng/ml
Cocaine	4.191	3144822	156713.4	50.1	48285.0	1016522	248.341 ng/ml
Codeine	2.477	342580	26196.6	95.4	∞	64862	251.168 ng/ml
Cyclobenzaprine	5.583	2700778	134485.1	8.7	159139.6	327474	241.597 ng/ml
Dextromethorphan	5.194	2013853	36249.4	76.1	9179076653 24688.0	333530	251.641 ng/ml
Dextrorphan	4.048	2916970	388393.3	44.6	75516.5	556997	251.397 ng/ml
Diazepam	5.922	1223492	∞	86.2	∞	221062	260.490 ng/ml
Dihydrocodeine	2.441	1064422	1139.3	60.3	3534.0	247991	257.805 ng/ml
Diphenhydramine	5.231	9008731	231269.6	31.4	31866.0	1875256	268.340 ng/ml
Doxylamine	4.456	11194293	251158.6	80.5	719570.5	1606048	252.842 ng/ml
EDDP	5.194	5008003	147209.6	43.4	3354434.4	1018910	243.481 ng/ml
Etizolam	5.789	835518	∞	25.2	∞	221062	260.683 ng/ml
Fentanyl	5.031	330128	∞	117.7	199081.3	640711	25.193 ng/ml
Flualprazolam	5.674	638381	32862.2	91.5	∞	196828	266.425 ng/ml
Fluoxetine	5.680	1581242	39604.4	6.9	61217.6	243637	240.323 ng/ml
Hydrocodone	2.916	1248559	680.0	33.1	1939.9	279085	244.688 ng/ml
Hydromorphone	1.493	971677	1808.7	72.9	1314.9	117673	248.076 ng/ml
Ketamine	3.971	3129360	76983.1	37.9	33767.9	610585	253.104 ng/ml
Lamotrigine	4.198	210752	13786.1	87.8	40508.2	236283	293.053 ng/ml

# AM #28 Multi-Drug Quant. Results

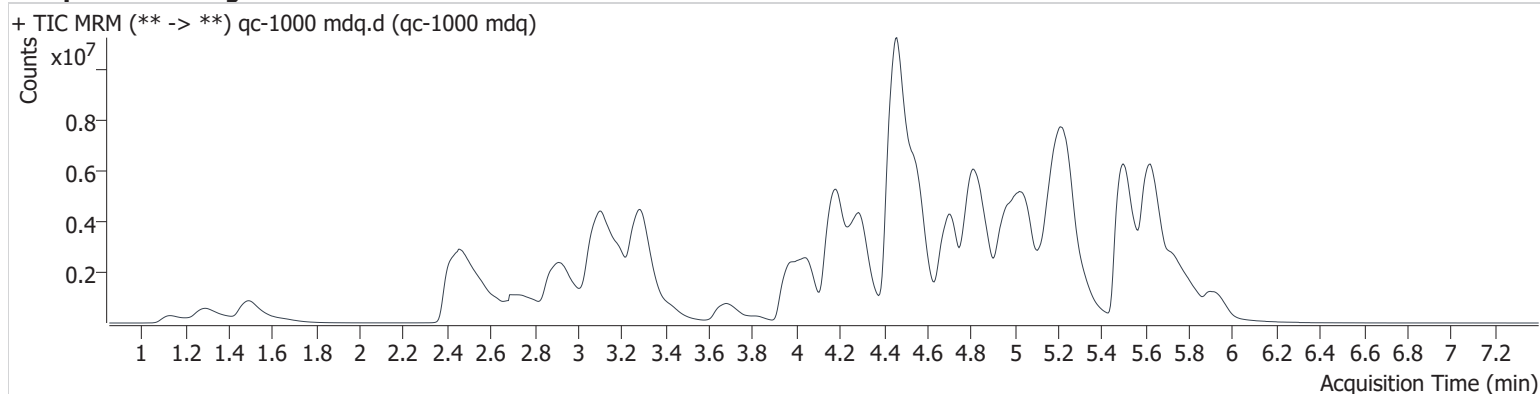
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.555	555881	16536.4	156.5	124685.9	1476222	250.082 ng/ml
Lorazepam	5.722	138042	∞	48.4	2325.1	60913	267.283 ng/ml
MDA	3.087	2335810	∞	27.9	13070.3	236283	278.184 ng/ml
MDMA	3.189	2710343	40394.2	97.3	84259.8	102066	260.178 ng/ml
Meprobamate	4.852	542241	607029.5	30.0	125674.4	124795	245.135 ng/ml
Methadone	5.623	5901628	4899444.6	52.4	149815.7	983811	252.432 ng/ml
Methamphetamine	3.108	5612428	11637.9	42.1	73091.0	1031934	251.243 ng/ml
Metoprolol	4.259	628589	170494.8	89.6	36773.9	356724	270.469 ng/ml
Mirtazapine	4.544	6712338	122875.8	49.2	148635.2	983811	250.197 ng/ml
Mitragynine	5.150	979668	9427.3	34.2	112931.7	1476222	243.439 ng/ml
Morphine	1.132	222760	24349.1	22.8	1449.5	11747	255.539 ng/ml
Norbuprenorphine	4.931	24575	49704.6	87.0	29128.1	19324	27.450 ng/ml
Nordiazepam	5.860	780052	∞	61.4	∞	109047	256.969 ng/ml
Norfentanyl	4.008	207033	8484.0	36.5	129020.6	939736	26.085 ng/ml
Norhydrocodone	2.973	128125	1797.4	32.2	1817.3	78309	257.503 ng/ml
Noroxycodone	2.803	838781	∞	45.0	∞	115708	253.762 ng/ml
O-desmethyl-tramadol	3.286	7758619	588418.3	6.4	105134.5	1454405	250.313 ng/ml
Oxazepam	5.728	304931	24949.7	73.5	24804.6	60913	258.121 ng/ml
Oxycodone	2.715	2656110	∞	29.4	∞	423195	255.976 ng/ml
Oxymorphone	1.290	1347242	∞	44.2	∞	186963	253.713 ng/ml
Phentermine	3.683	1300231	8607.8	8.9	8706.0	633129	257.477 ng/ml
Promethazine	5.493	4621340	211394.8	38.2	75407.7	869976	249.058 ng/ml
Pseudoephedrine	2.459	7639106	779786.8	16.3	23194.8	1476222	253.543 ng/ml
Quetiapine	5.501	3209496	∞	62.8	∞	222423	236.710 ng/ml
<b>Sertraline</b>	<b>5.738</b>	<b>464527</b>	<b>383682.2</b>	<b>98.4</b>	<b>232964.0</b>	<b>76171</b>	<b>252.323 ng/ml</b> <b>NE</b>
Temazepam	5.796	1601009	18453.1	29.4	17472.8	310477	234.689 ng/ml
Tramadol	4.172	7234712	∞	3.6	5767.5	1357487	251.106 ng/ml
Trazodone	5.041	4259657	∞	79.5	93965.3	696685	250.208 ng/ml
Venlafaxine	4.965	5747226	133901.5	37.4	154856.0	1435766	263.807 ng/ml
Zolpidem	4.808	8000846	1992517.7	29.0	75009.8	1485238	258.362 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 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>	3		
<b>Acq. Date-Time</b>	5/6/2022 12:07:03 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.043	112288	3787.5	135.2	410335.2	28657	102.924 ng/ml
7-aminoclonazepam	4.212	696245	5041.2	79.2	30071.6	26820	966.368 ng/ml
a-hydroxyalprazolam	5.674	98918	∞	58.9	180.7	9901	1119.552 ng/ml
alpha-PHP	4.867	8717493	101823.8	38.8	28517.3	454757	970.824 ng/ml
alpha-PVP	4.292	13069816	309705.2	51.8	353284.2	454757	1047.876 ng/ml
Alprazolam	5.738	2711818	8321.3	92.4	∞	87391	970.362 ng/ml
Amphetamine	2.919	4153044	36667.8	229.8	102450.0	182500	923.712 ng/ml
Benzoylcegonine	3.820	344746	23121.8	54.8	1182925.9	10990	989.699 ng/ml
Buprenorphine	5.715	361118	152900.2	15.1	25628.0	53018	100.026 ng/ml
Bupropion	4.706	13236314	18992433.2	68.3	83692.1	592269	1017.071 ng/ml
Carisoprodol	5.703	963718	765082.7	62.2	13335.7	41498	1090.236 ng/ml
Citalopram	5.130	4917676	209029.8	42.2	56587.8	216244	1002.702 ng/ml
Clonazepam	5.576	469415	852562.6	34.7	∞	9901	926.259 ng/ml
Clonazepam	5.538	973415	17089.8	37.6	100146.8	91323	1070.374 ng/ml
Cocaine	4.196	7728742	257224.8	49.4	153489.2	622943	996.559 ng/ml
Codeine	2.477	707605	62150.4	94.6	16284.3	35954	937.196 ng/ml
Cyclobenzaprine	5.572	6305357	67625.0	8.4	19334.5	192910	957.804 ng/ml
Dextromethorphan	5.194	4405639	131312.0	75.2	130120.9	176242	1041.479 ng/ml
Dextrophan	4.048	7961020	133743.7	44.8	77041.8	366655	1041.295 ng/ml
Diazepam	5.922	3165076	∞	86.0	∞	142264	1047.860 ng/ml
Dihydrocodeine	2.436	2518898	6369.4	61.7	4122.8	156986	965.510 ng/ml
Diphenhydramine	5.242	20094109	450884.9	31.0	161532.8	1021957	1098.241 ng/ml
Doxylamine	4.461	35112755	382876.9	85.4	358559.5	1259823	1011.269 ng/ml
EDDP	5.194	15333168	∞	42.9	740345.5	761465	997.360 ng/ml
Etizolam	5.789	1955847	21168.1	25.4	∞	142264	950.147 ng/ml
Fentanyl	5.031	829962	14432.9	128.9	3895519.6	390255	103.784 ng/ml
Flualprazolam	5.679	1056990	7420.1	89.4	6863.6	87391	993.388 ng/ml
Fluoxetine	5.680	3410975	664803.2	7.1	∞	124786	1012.620 ng/ml
Hydrocodone	2.911	3433001	2870.5	38.2	1771.8	176562	1062.634 ng/ml
Hydromorphone	1.493	2674709	1564.5	72.0	881.0	79134	1015.113 ng/ml
Ketamine	3.971	8640362	∞	37.4	72962.2	433714	985.069 ng/ml
Lamotrigine	4.208	261777	34964.8	87.7	127031.9	89505	959.556 ng/ml
Levetiracetam	2.555	1237104	51695.0	154.8	78298.1	892862	922.757 ng/ml

# AM #28 Multi-Drug Quant. Results

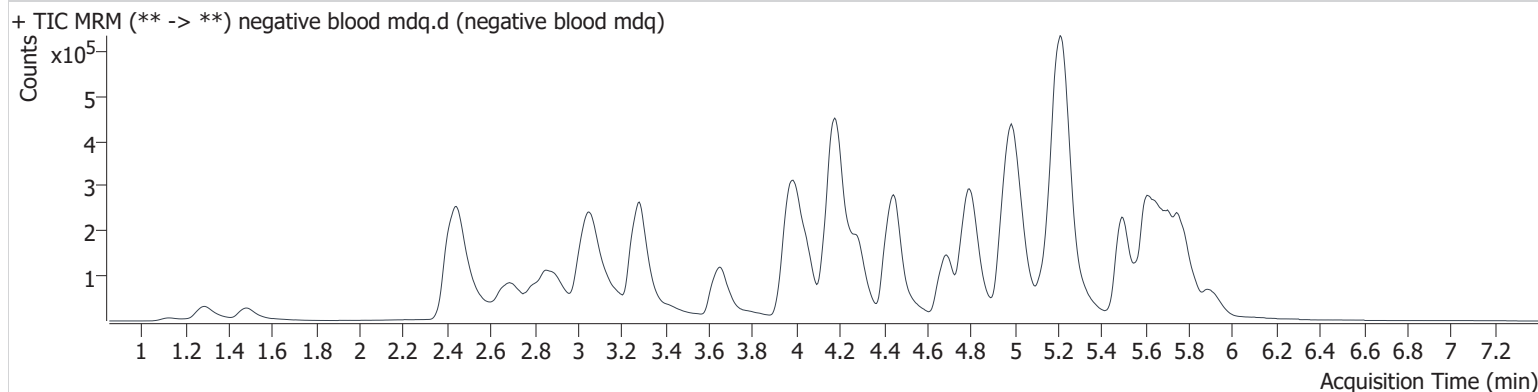
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.722	148883	∞	49.4	591.0	<del>10738</del> 1638.489	ng/ml ocr
MDA	3.076	3180002	301991.8	29.8	19209.3	89505	1001.002 ng/ml
MDMA	3.194	5723968	305796.5	95.6	∞	56147	1001.219 ng/ml
Meprobamate	4.883	687535	40755.0	28.6	439439.5	41498	933.275 ng/ml
Methadone	5.623	17376926	78518.0	49.9	106918.0	676540	1079.991 ng/ml
Methamphetamine	3.108	14370453	18642.8	39.7	108431.0	736260	916.620 ng/ml
Metoprolol	4.259	1162290	228003.3	96.2	231562.6	182500	975.785 ng/ml
Mirtazapine	4.544	18928980	5237789.6	47.4	95999.2	676540	1025.457 ng/ml
Mitragynine	5.145	2184332	70334.4	36.4	17473.7	892862	899.068 ng/ml
Morphine	1.132	615792	66168.3	22.9	2370.7	8228	1009.194 ng/ml
Norbuprenorphine	4.921	49329	70293.9	97.3	68686.7	11822	89.944 ng/ml
Nordiazepam	5.860	1190841	∞	61.9	∞	41546	1030.184 ng/ml
Norfentanyl	4.008	403179	30152.1	37.6	63250.7	496502	96.212 ng/ml
Norhydrocodone	2.978	330633	12038.1	34.7	1904.0	50518	1009.063 ng/ml
Noroxycodone	2.803	1681193	∞	42.1	∞	58896	998.249 ng/ml
O-desmethyl-tramadol	3.286	23943842	∞	6.2	57926.7	1100645	1020.925 ng/ml
Oxazepam	5.723	234240	5415.9	68.4	2365.8	10738	1124.561 ng/ml
Oxycodone	2.715	5838524	∞	29.3	∞	234010	1018.123 ng/ml
Oxymorphone	1.290	3354717	∞	43.9	∞	124313	950.982 ng/ml
Phentermine	3.683	3423918	18773.3	7.8	17361.4	443880	968.289 ng/ml
Promethazine	5.493	14657538	∞	35.8	4427303.7	638823	1074.770 ng/ml
Pseudoephedrine	2.459	18788912	85611.4	16.0	19826.4	892862	1031.094 ng/ml
Quetiapine	5.496	7649122	7561610.4	59.3	20755404.5	140225	895.106 ng/ml
Sertraline	5.733	1175005	∞	98.7	890120.4	<del>48309</del> 1006.286	ng/ml ne
Temazepam	5.807	1983066	15256.2	29.5	2517.7	91323	986.573 ng/ml
Tramadol	4.172	19294487	∞	3.4	11269.2	967328	941.119 ng/ml
Trazodone	5.045	11242511	152601.9	78.6	402747.4	395782	1161.269 ng/ml
Venlafaxine	4.970	16982509	475392.8	36.5	200365.4	976694	1144.578 ng/ml
Zolpidem	4.802	22873074	385764.7	28.3	80731.3	1051036	1044.148 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood mdq.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 12:16:05 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Sertraline	5.744	25637	1019.1	99.4	618.7	108671	9.783 ng/ml

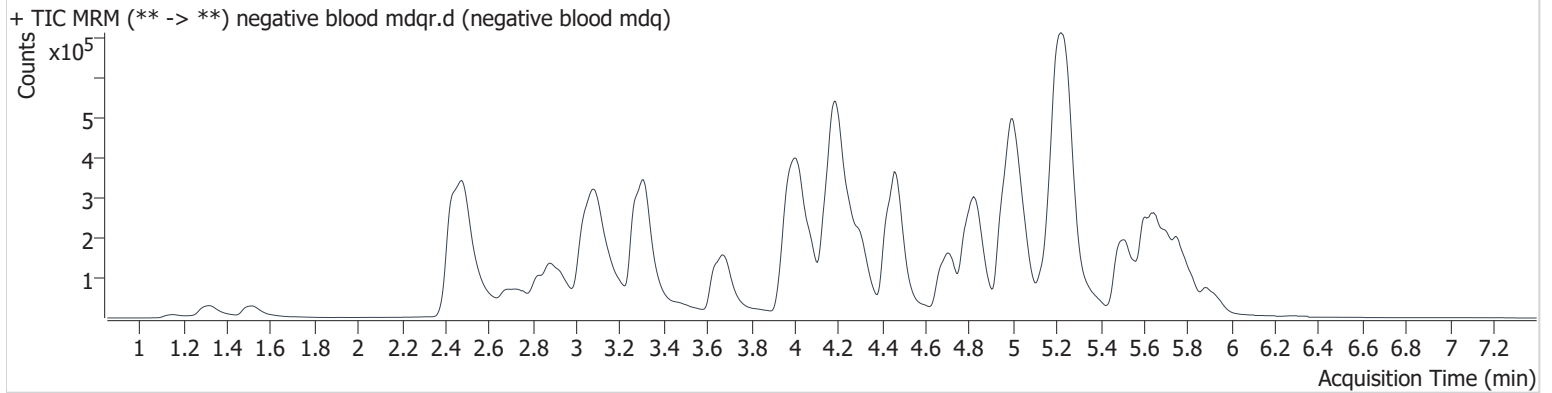
Sertraline not evaluated in this run due to carry over from 1000ng control into negative control.

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdqp1 negative on 100 cal re-run.batch.bin  
**Calibration Last Update** 5/11/2022 10:52:16 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood mdqr.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood mdq
<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>	3		
<b>Acq. Date-Time</b>	5/11/2022 9:25:04 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



negative blood control was re-run to evaluate and subsequently demonstrate sertraline in the original injection was carryover.  
only sertraline was evaluated in the reinjection.

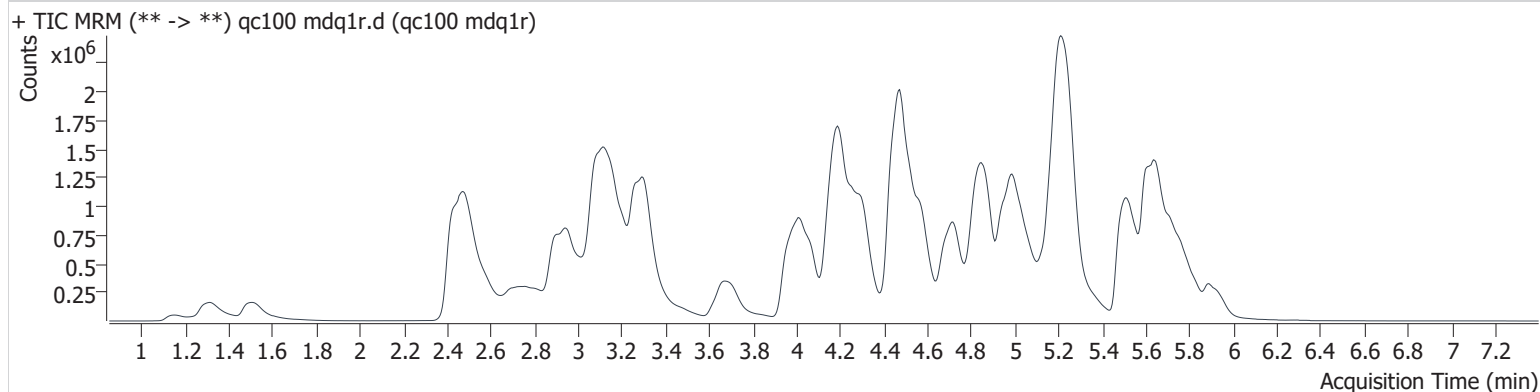


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdqp1 negative on 100 cal re-run.batch.bin  
**Calibration Last Update** 5/11/2022 10:52:16 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq1r.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq1r
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/11/2022 9:34:07 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Sertraline	5.744	98435	1283.0	111.5	∞	39666	102.689 ng/ml

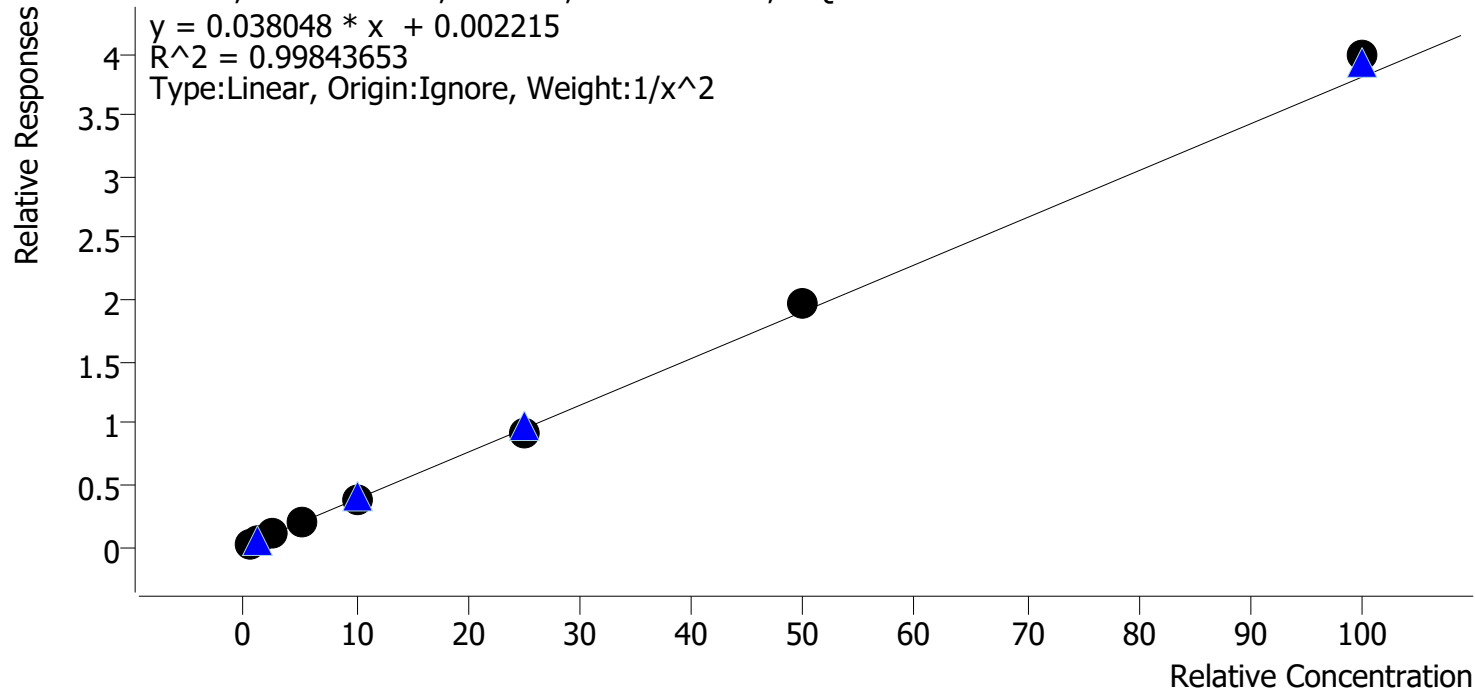
Cal 3 was reinjected following negative control reinjection only sertraline was evaluated in the reinjections.

# Compound Calibration Report



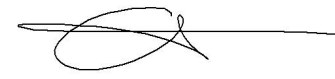
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



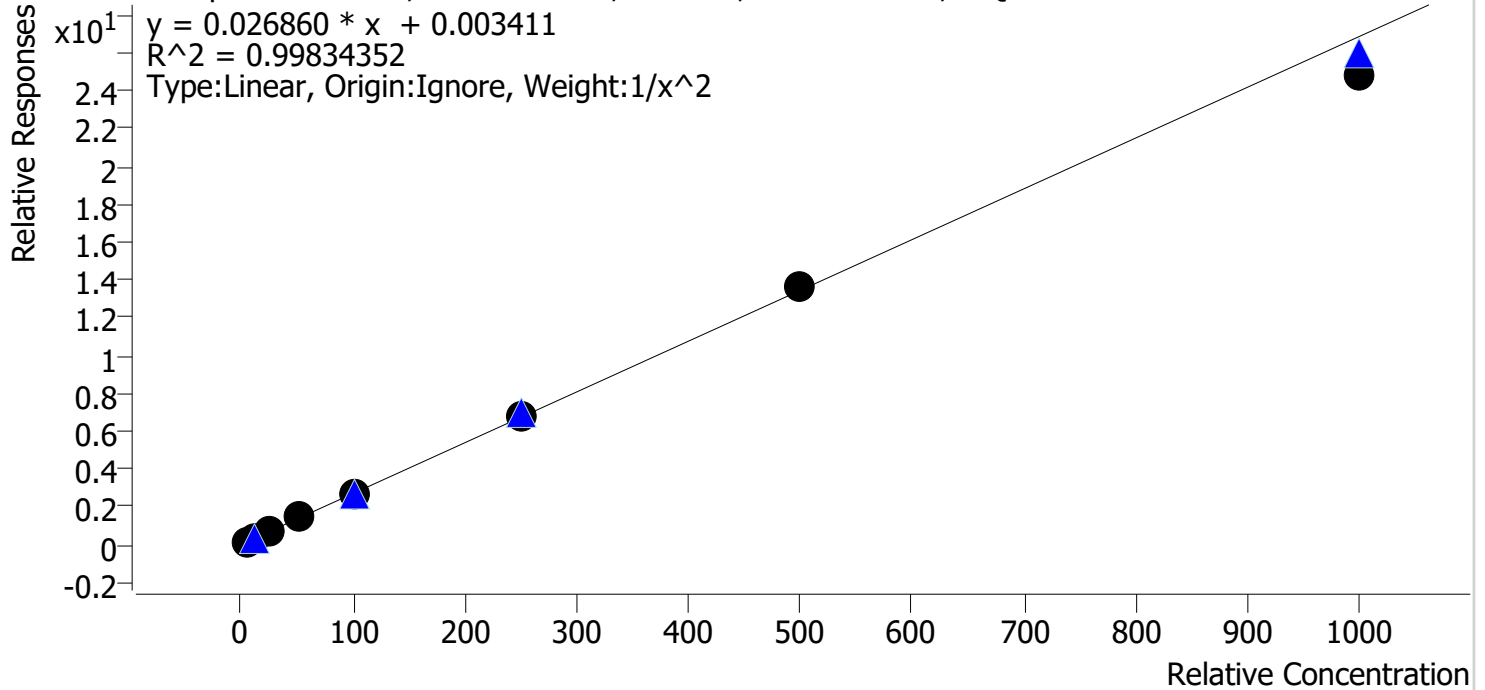
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.8
cal 2 mdqr	2	✓	1.0	1.0	98.3
cal 3 mdq	3	✓	2.5	2.4	95.5
cal 4 mdq	4	✓	5.0	5.0	99.8
cal 5 mdq	5	✓	10.0	10.0	100.3
cal 6 mdq	6	✓	25.0	23.9	95.7
cal 7 mdq	7	✓	50.0	52.0	104.1
cal 8 mdq	8	✓	100.0	104.6	104.6

# Compound Calibration Report



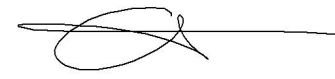
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



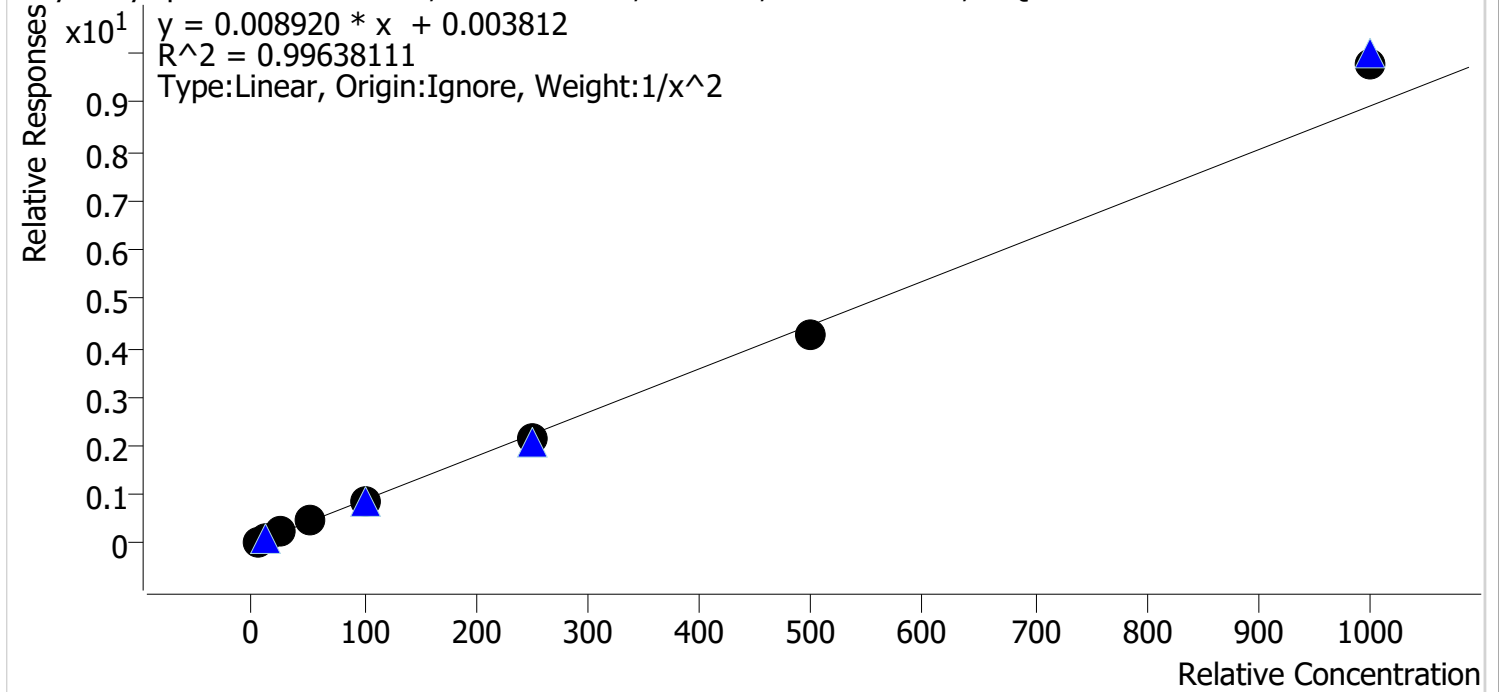
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdqr	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	511.1	102.2
cal 8 mdq	8	✓	1000.0	922.7	92.3

# Compound Calibration Report



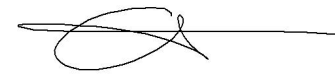
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Clonazepam-D4

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

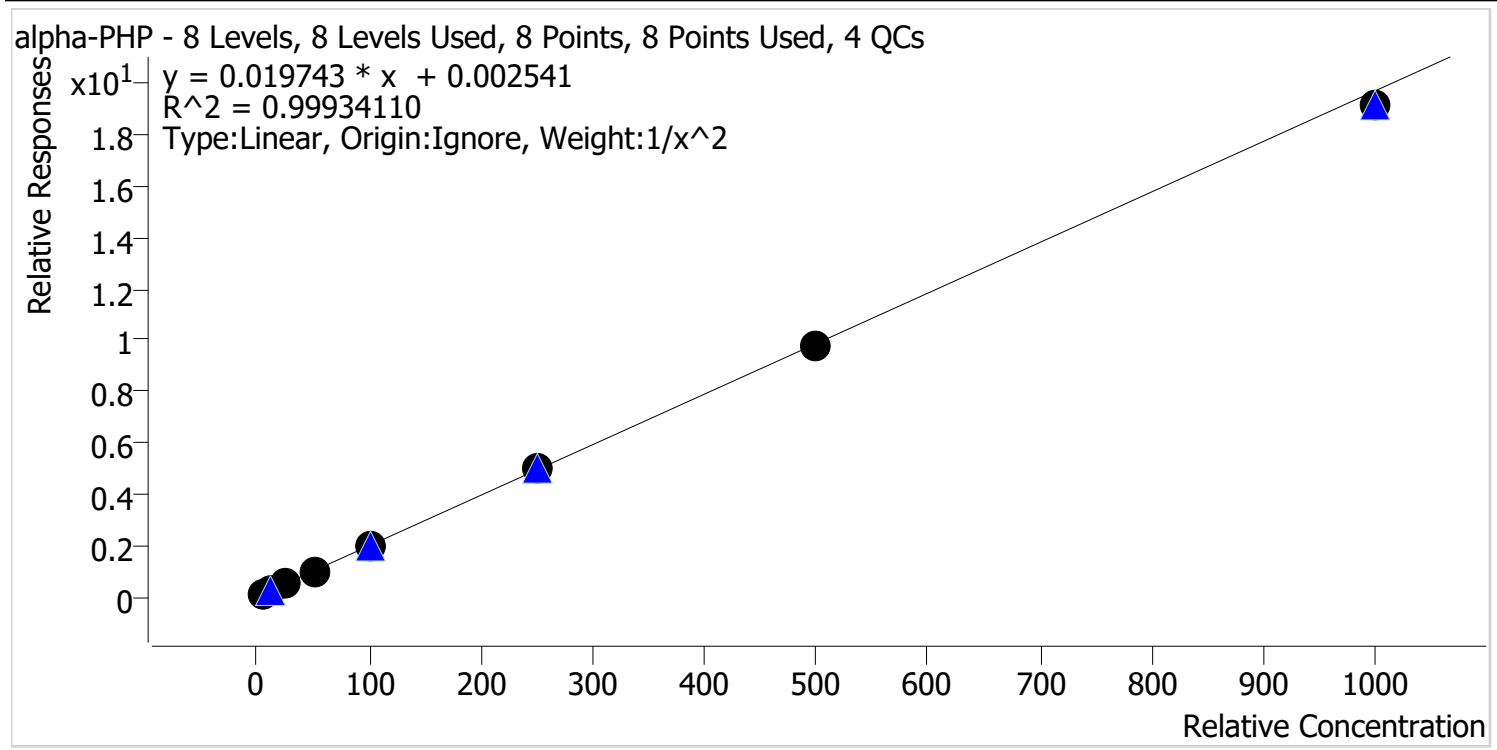


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdqr	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	94.6	94.6
cal 6 mdq	6	✓	250.0	237.1	94.8
cal 7 mdq	7	✓	500.0	480.9	96.2
cal 8 mdq	8	✓	1000.0	1099.3	109.9

# Compound Calibration Report

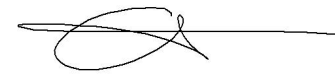


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



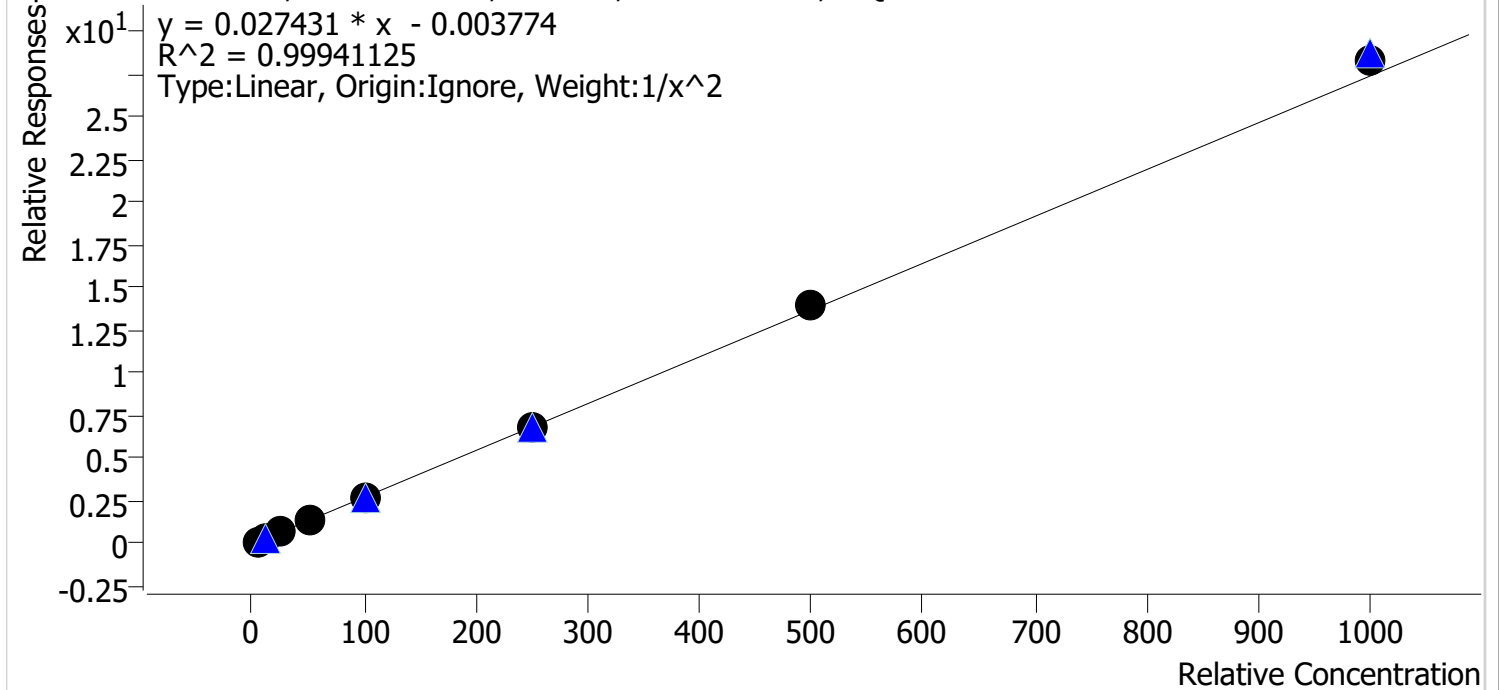
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdqr	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	498.9	99.8
cal 8 mdq	8	✓	1000.0	969.3	96.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 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 mdqr	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	24.3	97.4
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	509.5	101.9
cal 8 mdq	8	✓	1000.0	1036.9	103.7

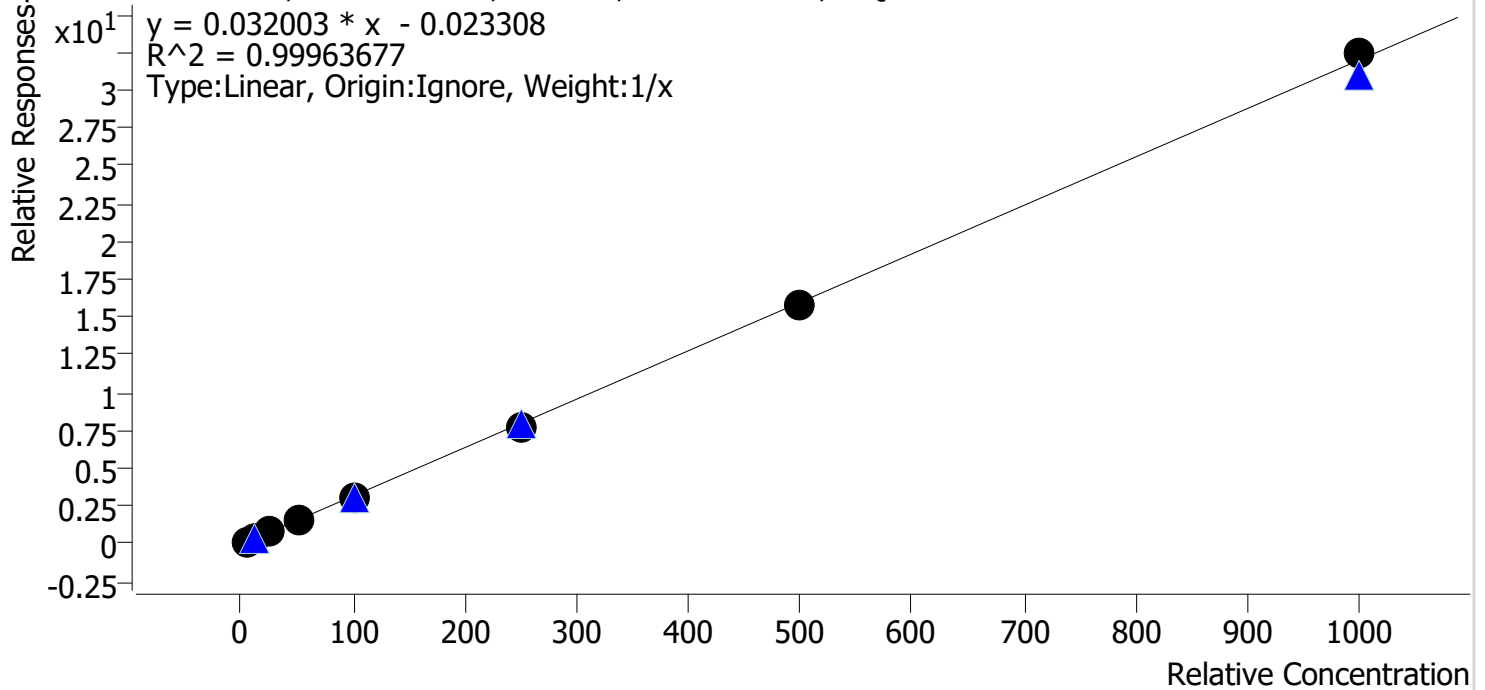


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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

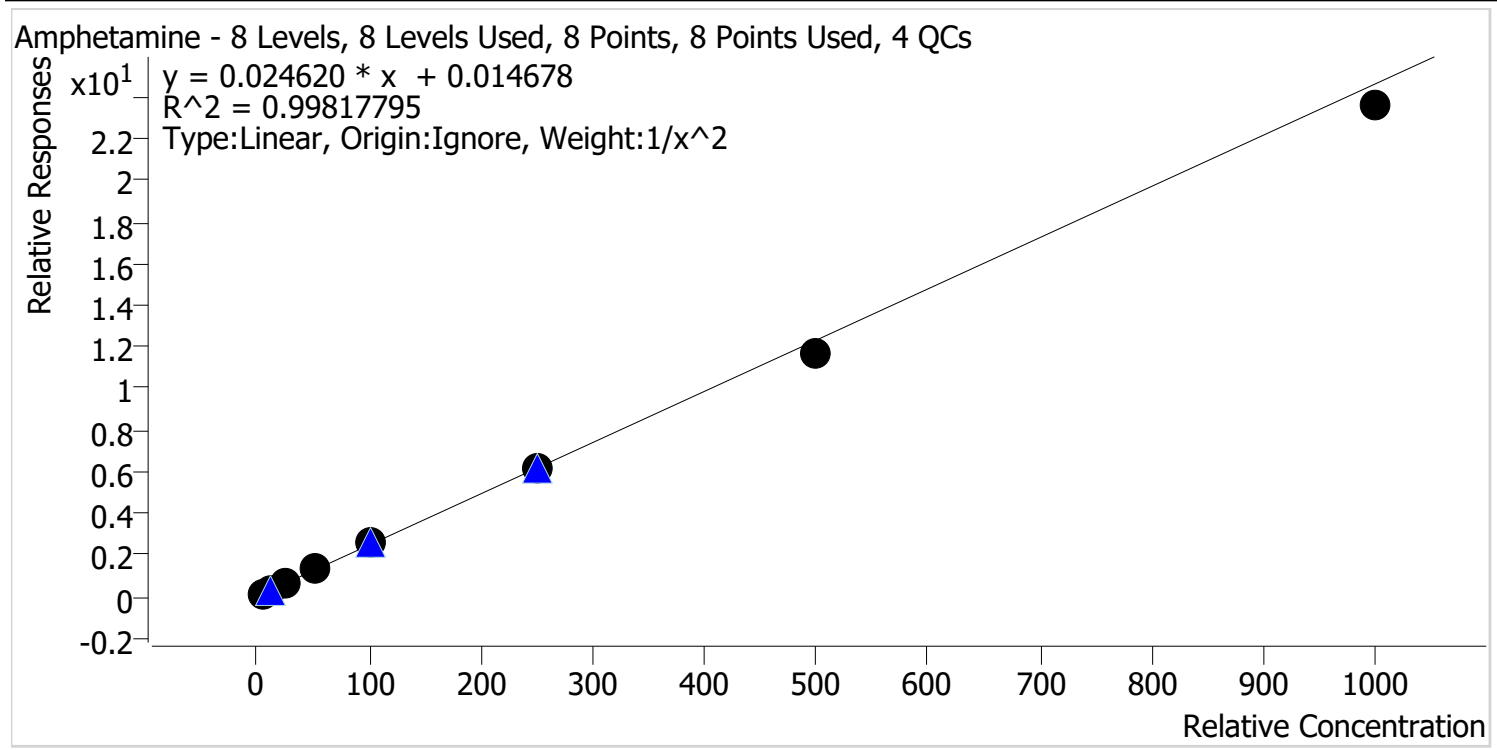


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	111.0
cal 2 mdqr	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	46.6	93.2
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	1013.4	101.3

# Compound Calibration Report

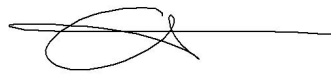


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



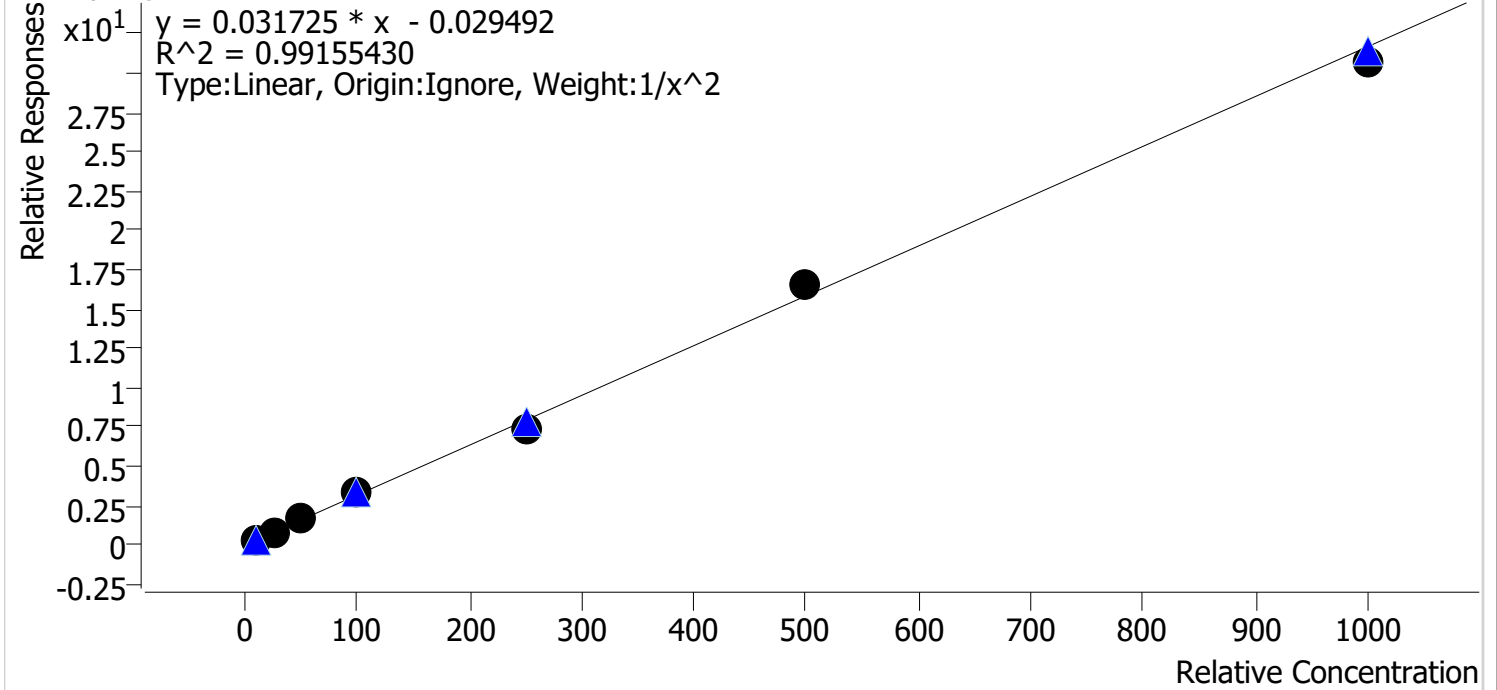
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.5
cal 2 mdqr	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	52.3	104.5
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	248.0	99.2
cal 7 mdq	7	✓	500.0	474.3	94.9
cal 8 mdq	8	✓	1000.0	957.8	95.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

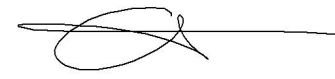
Benzoylecgonine - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2 mdqr	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	21.5	86.1
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	108.3	108.3
cal 6 mdq	6	✓	250.0	235.8	94.3
cal 7 mdq	7	✓	500.0	524.6	104.9
cal 8 mdq	8	✓	1000.0	968.4	96.8

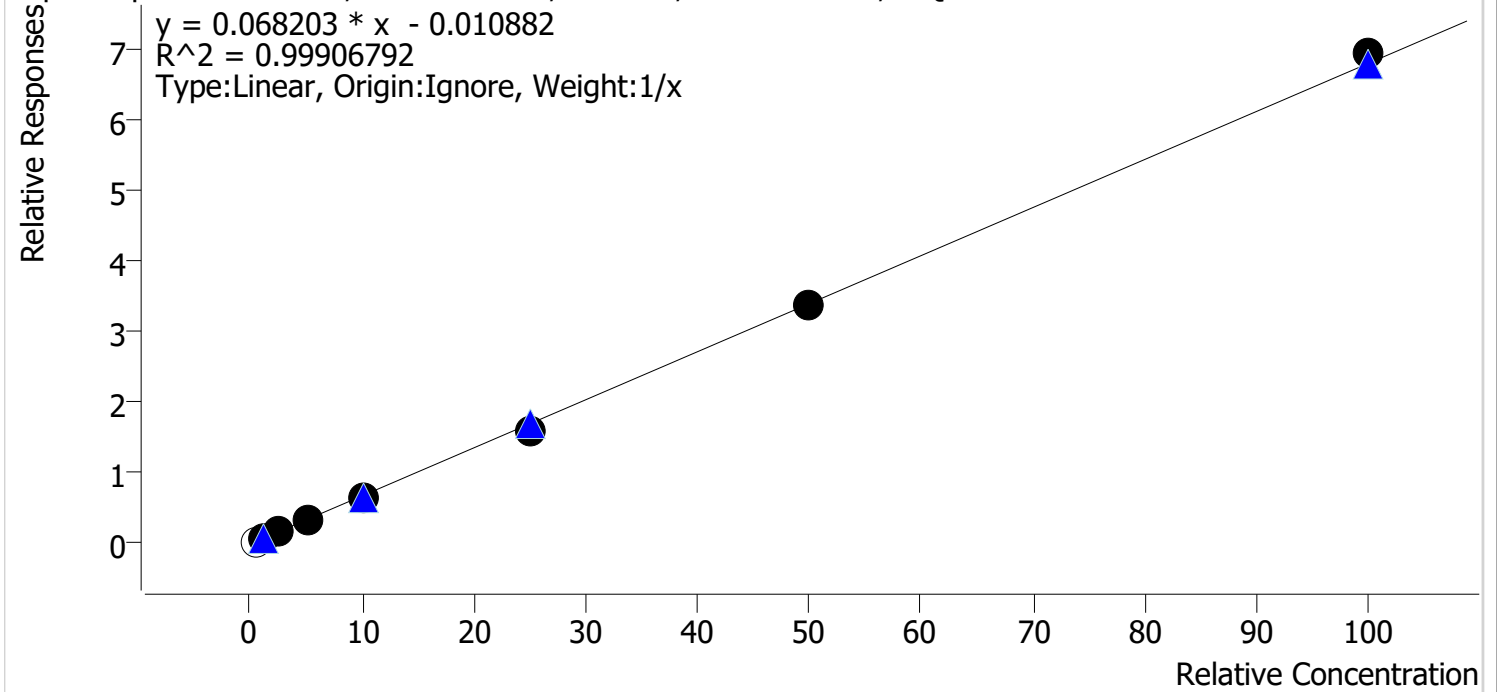
dropped cal 1 due to poor peak shape and response.

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



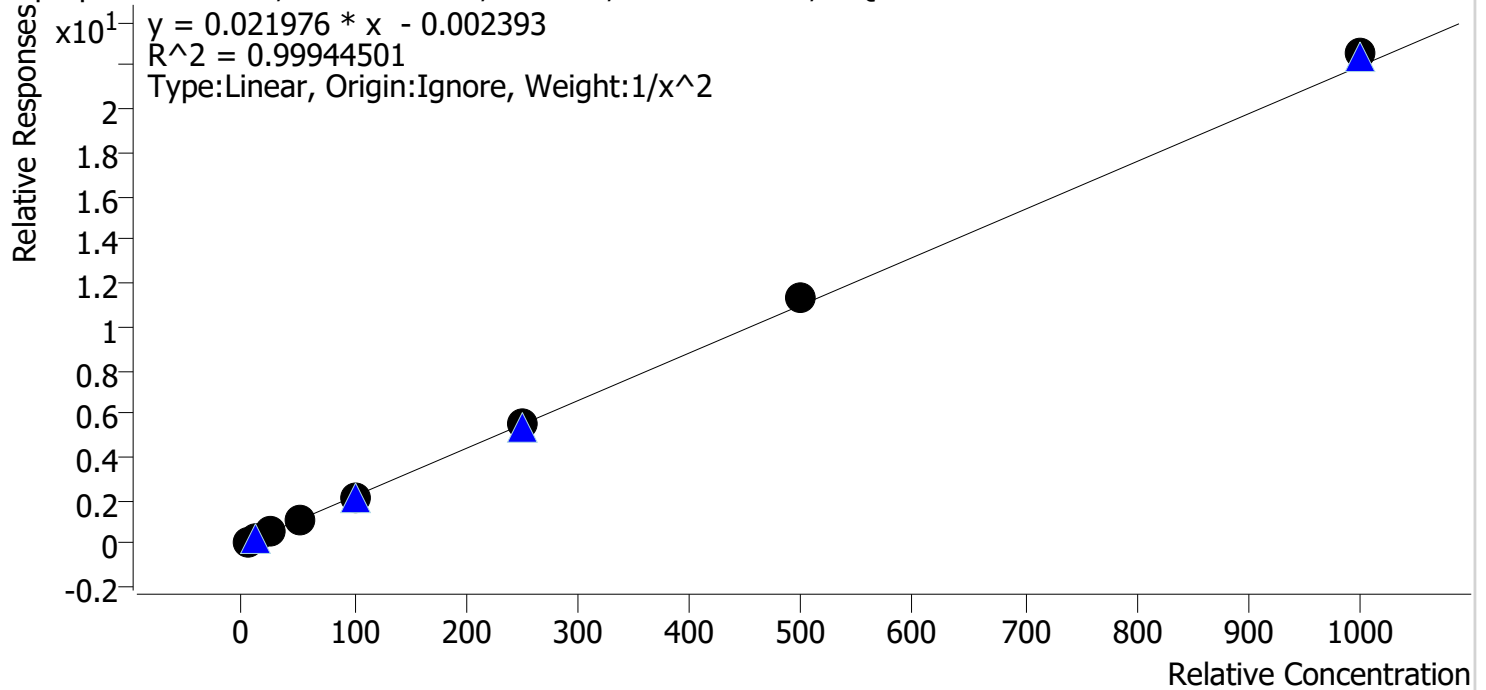
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.5	90.2
cal 2 mdqr	2	✓	1.0	1.1	108.3
cal 3 mdq	3	✓	2.5	2.6	103.1
cal 4 mdq	4	✓	5.0	4.8	97.0
cal 5 mdq	5	✓	10.0	9.6	95.6
cal 6 mdq	6	✓	25.0	23.6	94.4
cal 7 mdq	7	✓	50.0	49.8	99.6
cal 8 mdq	8	✓	100.0	102.1	102.1

dropped cal 1 due to poor peak shape.

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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

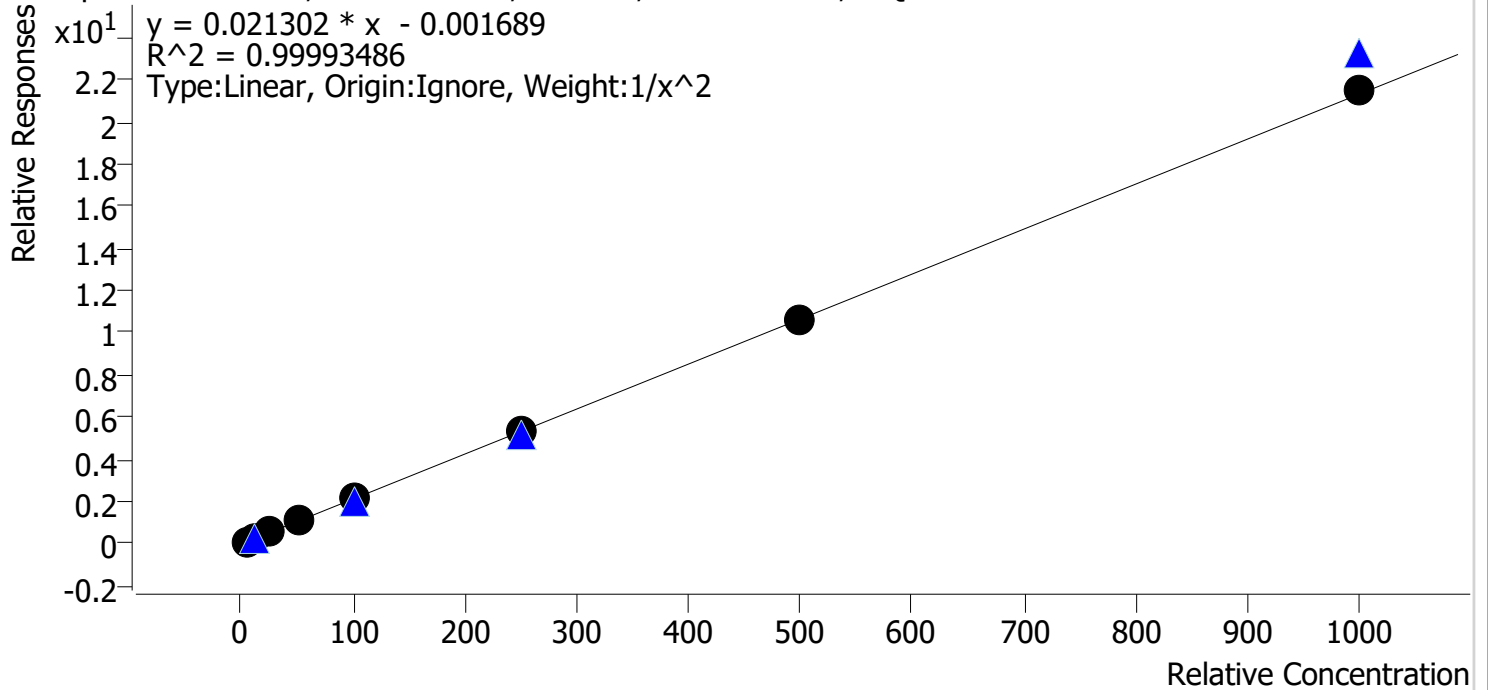


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdqr	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	251.6	100.6
cal 7 mdq	7	✓	500.0	512.6	102.5
cal 8 mdq	8	✓	1000.0	1026.0	102.6

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdqr	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	498.8	99.8
cal 8 mdq	8	✓	1000.0	1008.5	100.9

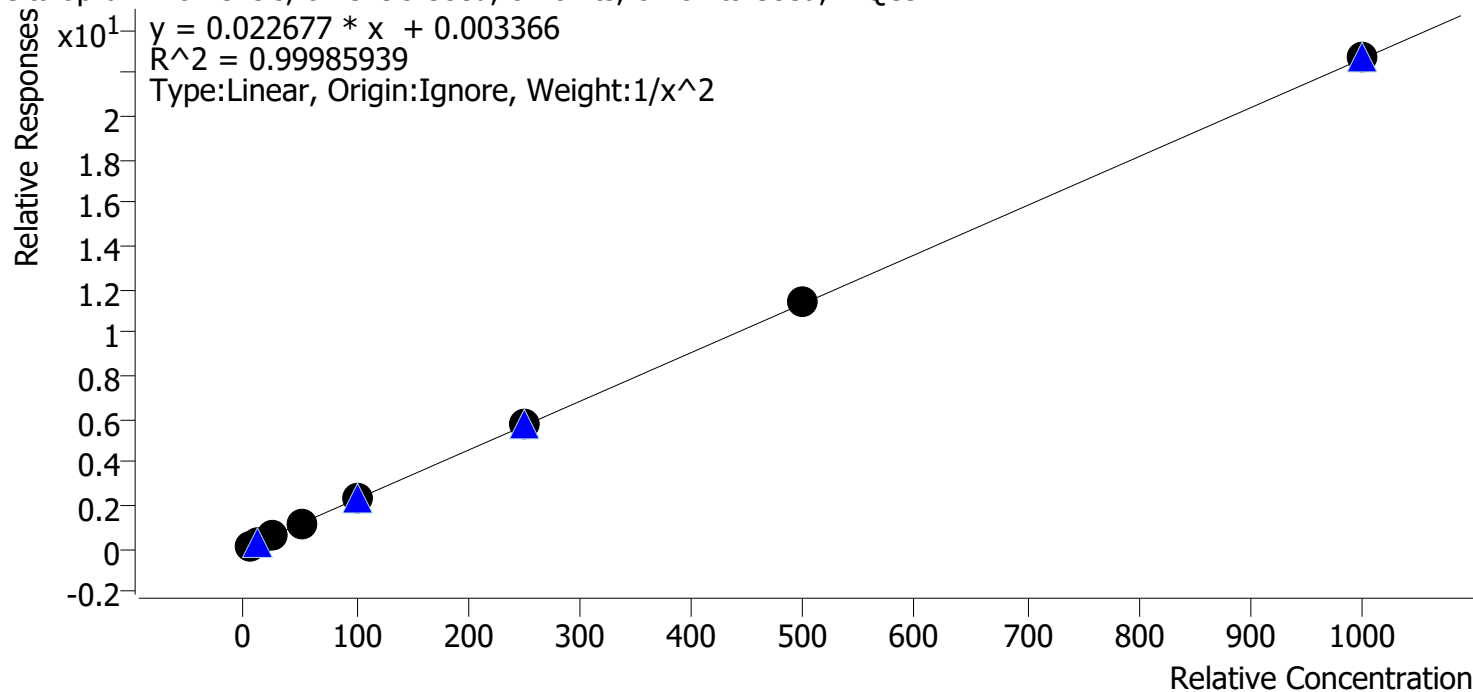


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



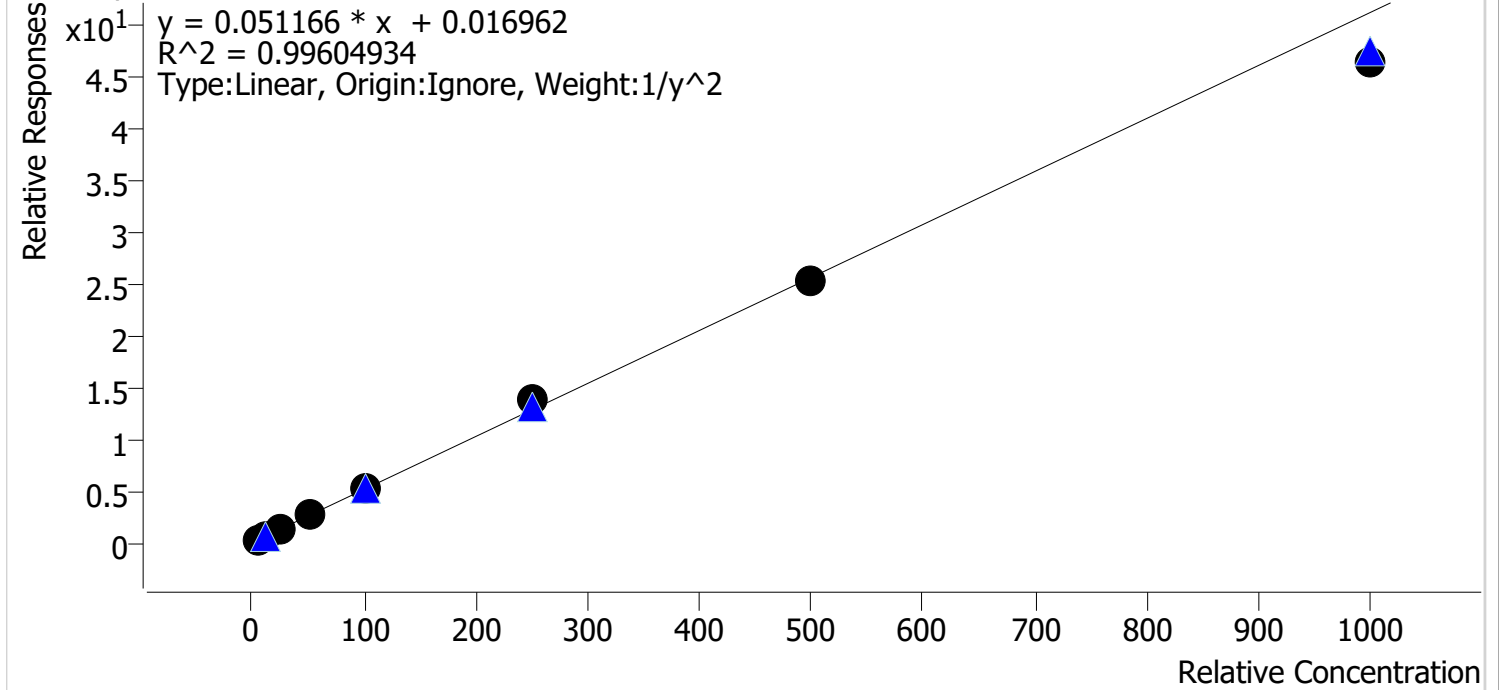
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdqr	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	254.1	101.6
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	1001.3	100.1

# Compound Calibration Report



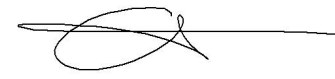
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

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



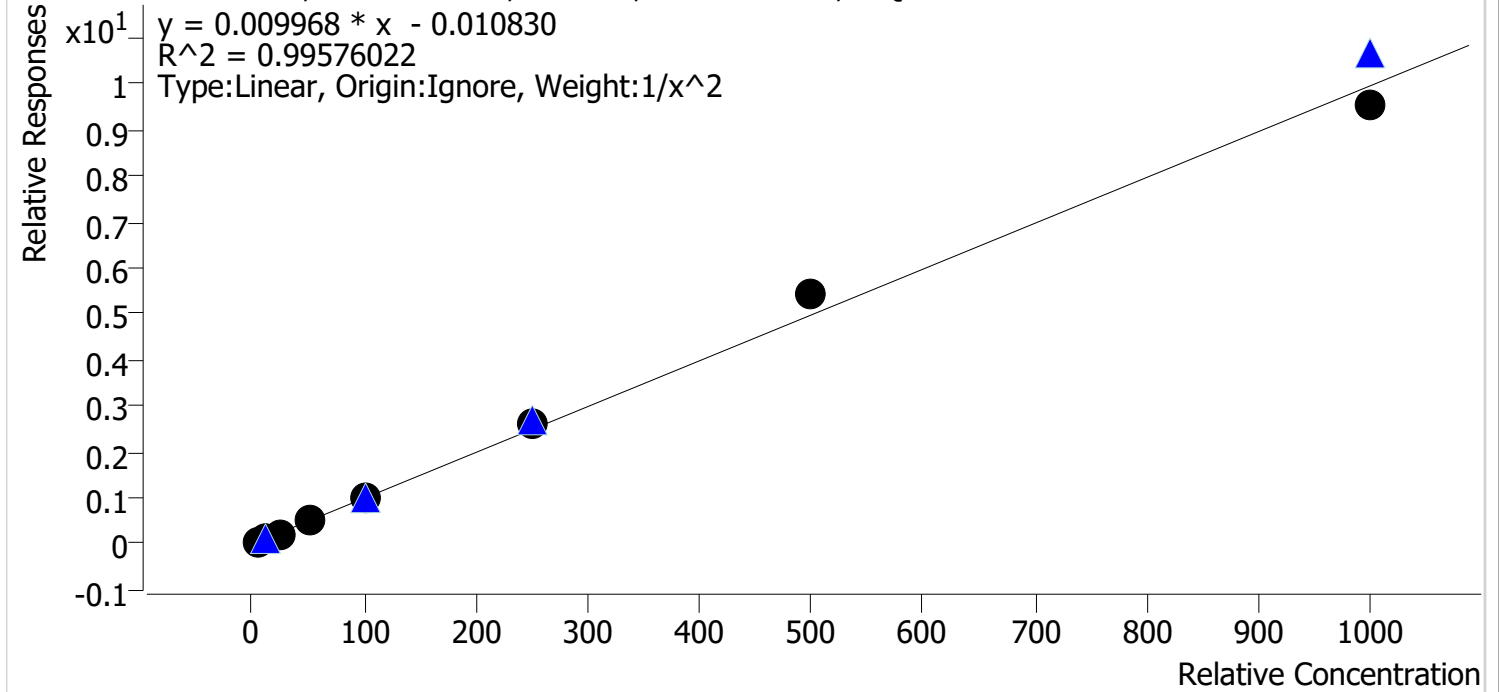
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdqr	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	53.7	107.4
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	266.4	106.6
cal 7 mdq	7	✓	500.0	490.3	98.1
cal 8 mdq	8	✓	1000.0	909.6	91.0

# Compound Calibration Report



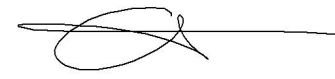
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Temazepam-D5

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



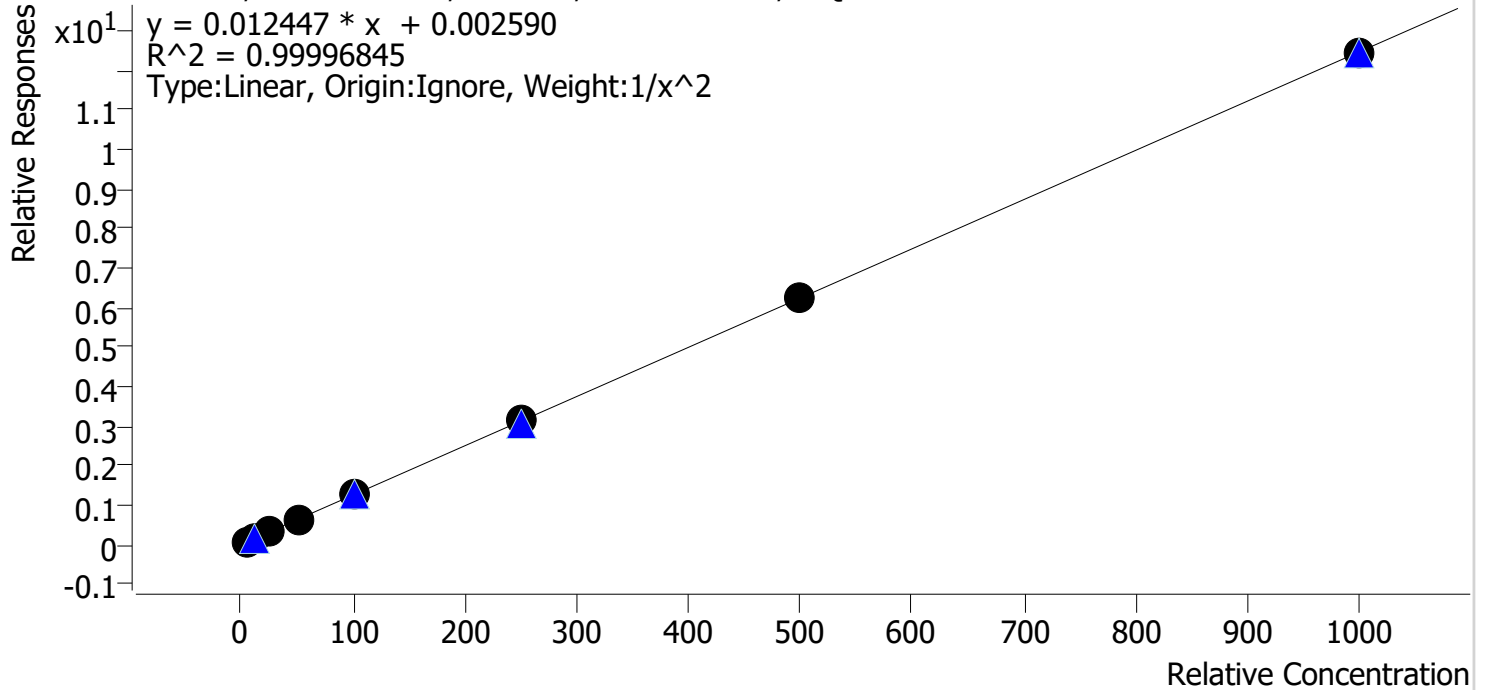
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdqr	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	22.8	91.3
cal 4 mdq	4	✓	50.0	48.8	97.5
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	264.9	106.0
cal 7 mdq	7	✓	500.0	544.3	108.9
cal 8 mdq	8	✓	1000.0	959.6	96.0

# Compound Calibration Report



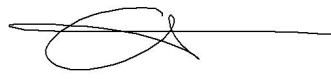
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



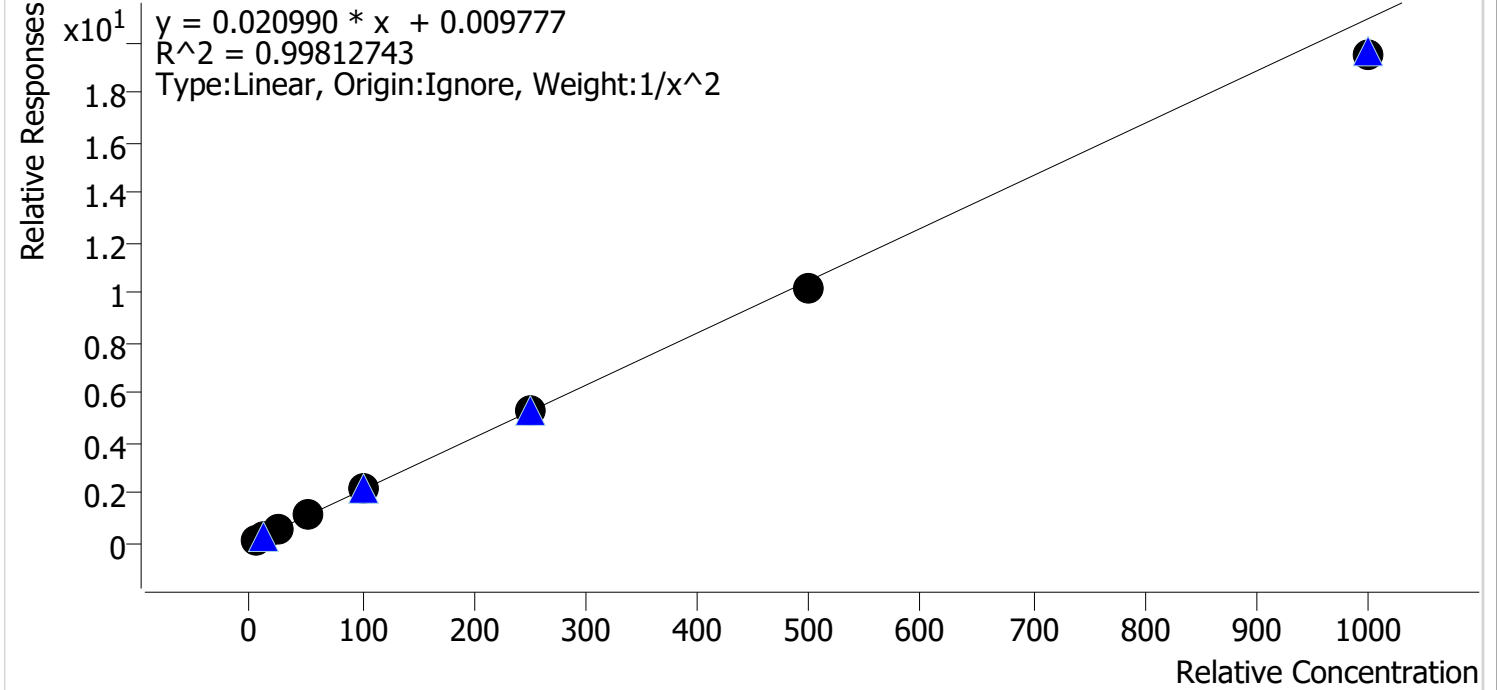
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdqr	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	249.4	99.8
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	996.6	99.7

# Compound Calibration Report



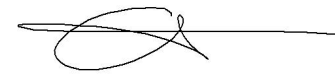
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



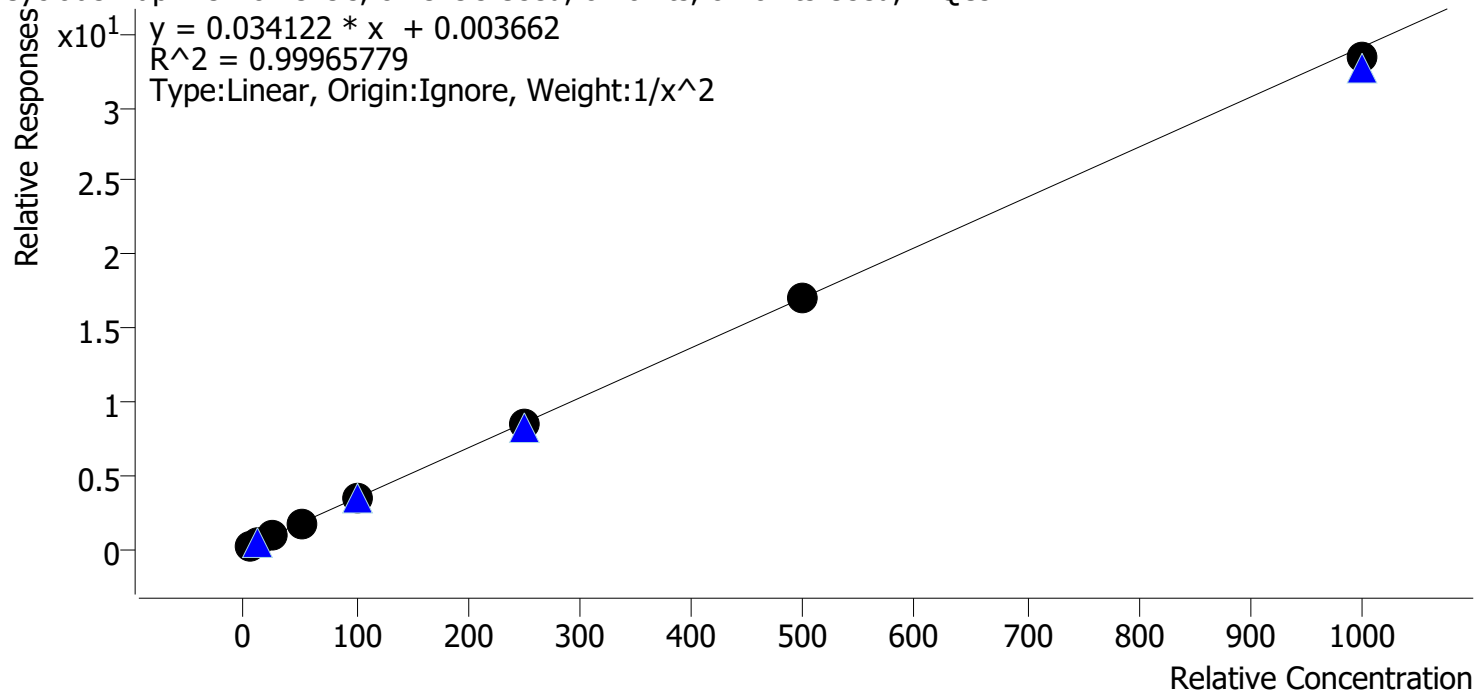
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdqr	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	253.9	101.6
cal 7 mdq	7	✓	500.0	485.6	97.1
cal 8 mdq	8	✓	1000.0	934.3	93.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdqr	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	978.9	97.9

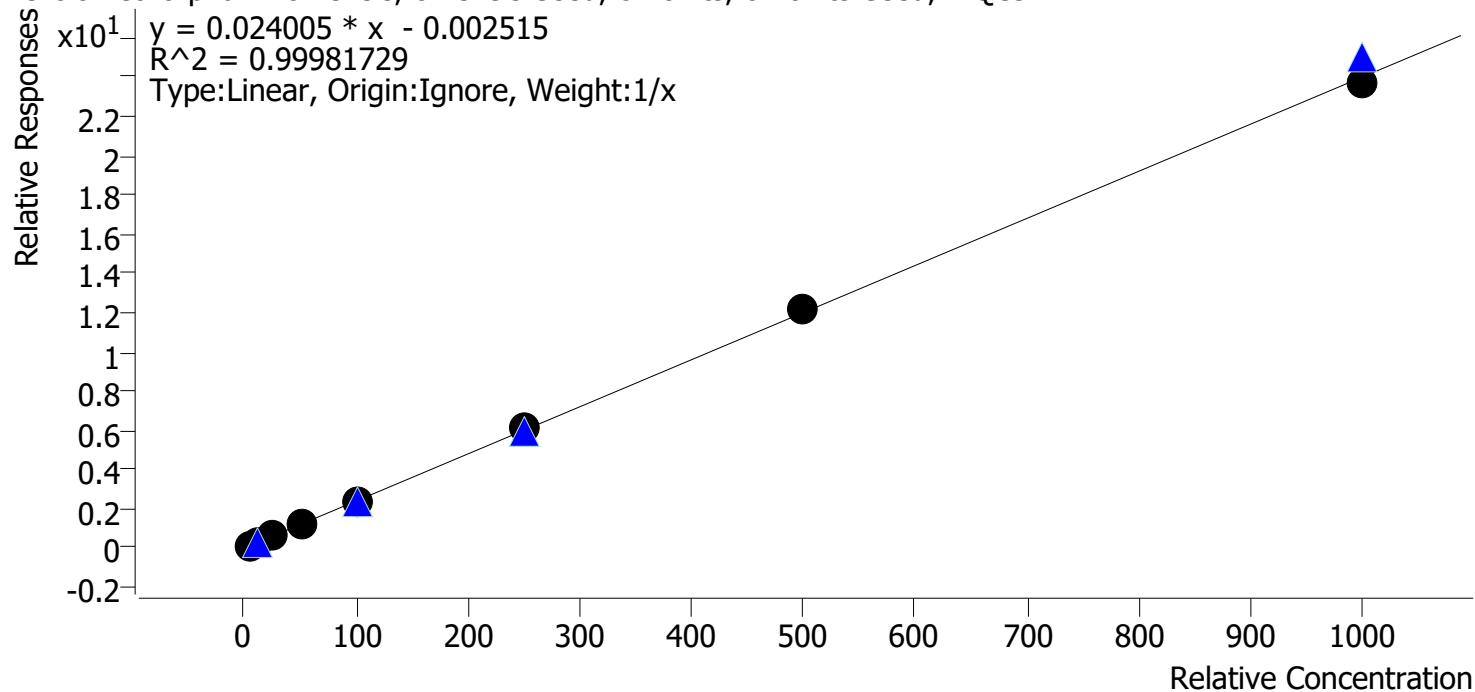


# Compound Calibration Report



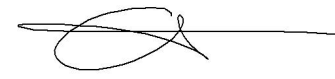
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



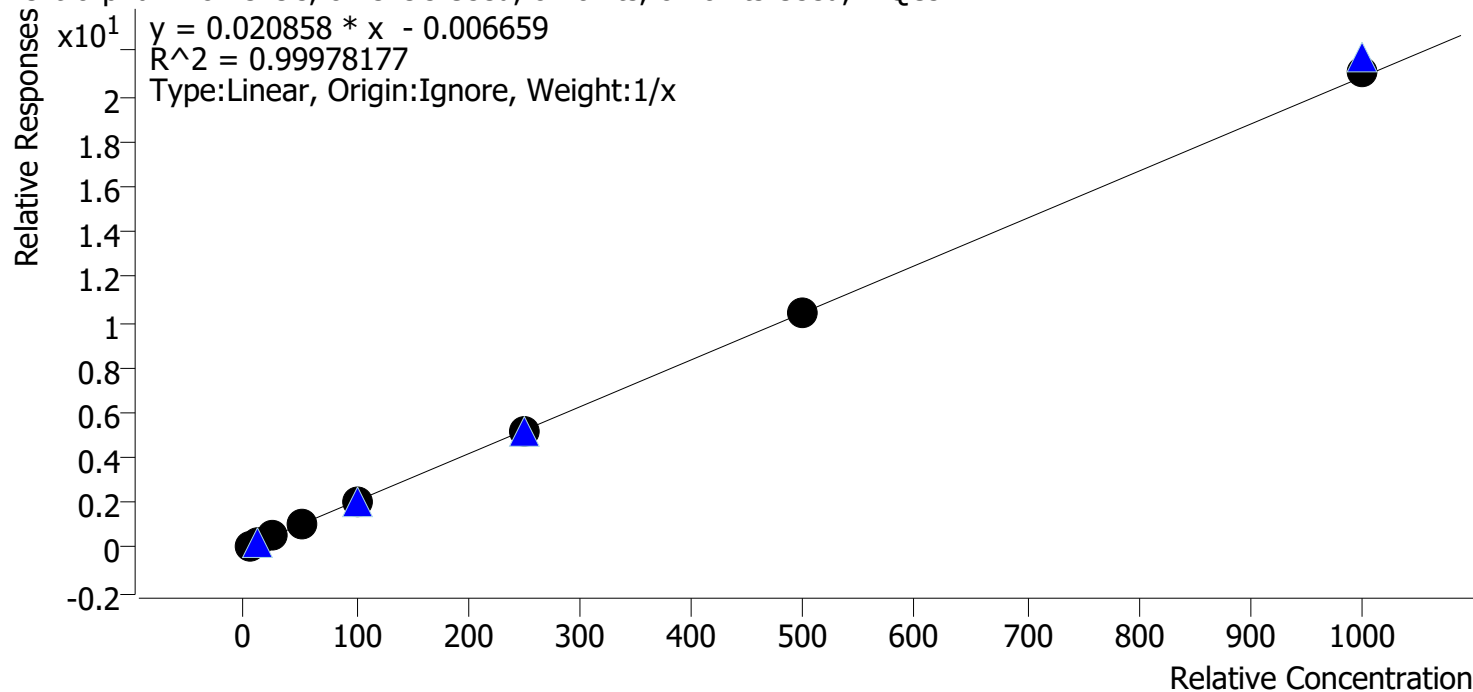
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdqr	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.9	99.4
cal 4 mdq	4	✓	50.0	48.5	97.1
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	506.4	101.3
cal 8 mdq	8	✓	1000.0	990.9	99.1

# Compound Calibration Report



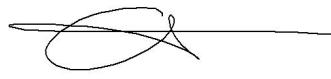
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



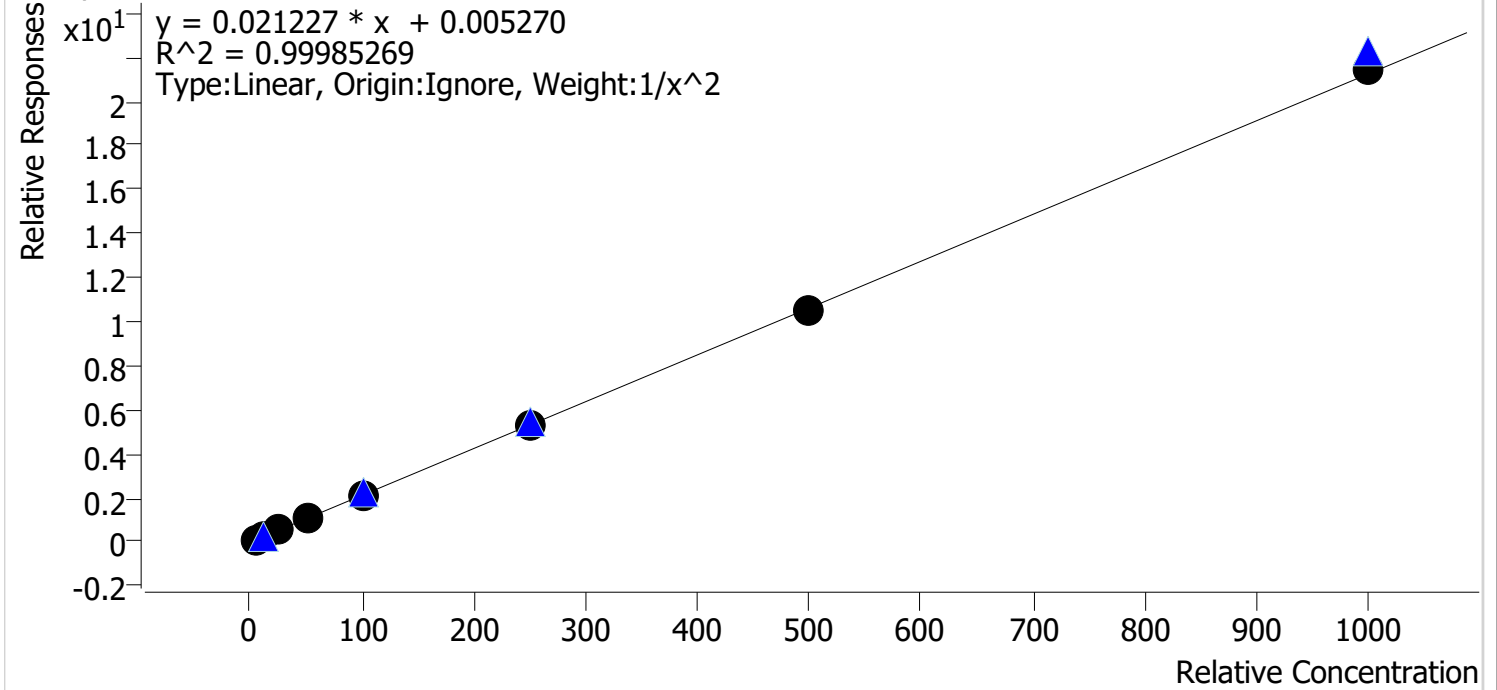
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.4
cal 2 mdqr	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	48.9	97.8
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	244.3	97.7
cal 7 mdq	7	✓	500.0	497.4	99.5
cal 8 mdq	8	✓	1000.0	1011.6	101.2

# Compound Calibration Report



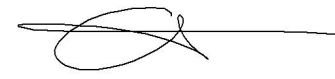
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



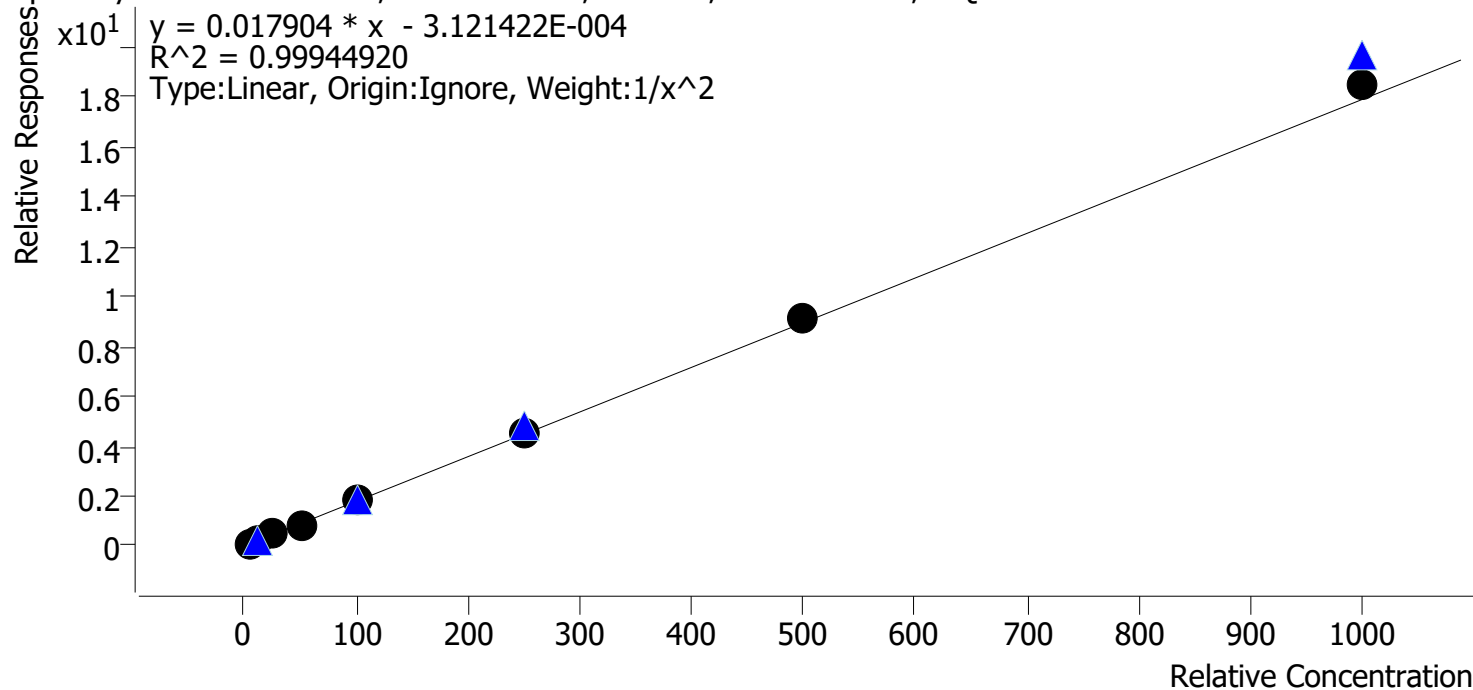
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdqr	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	490.9	98.2
cal 8 mdq	8	✓	1000.0	1010.4	101.0

# Compound Calibration Report



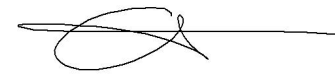
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



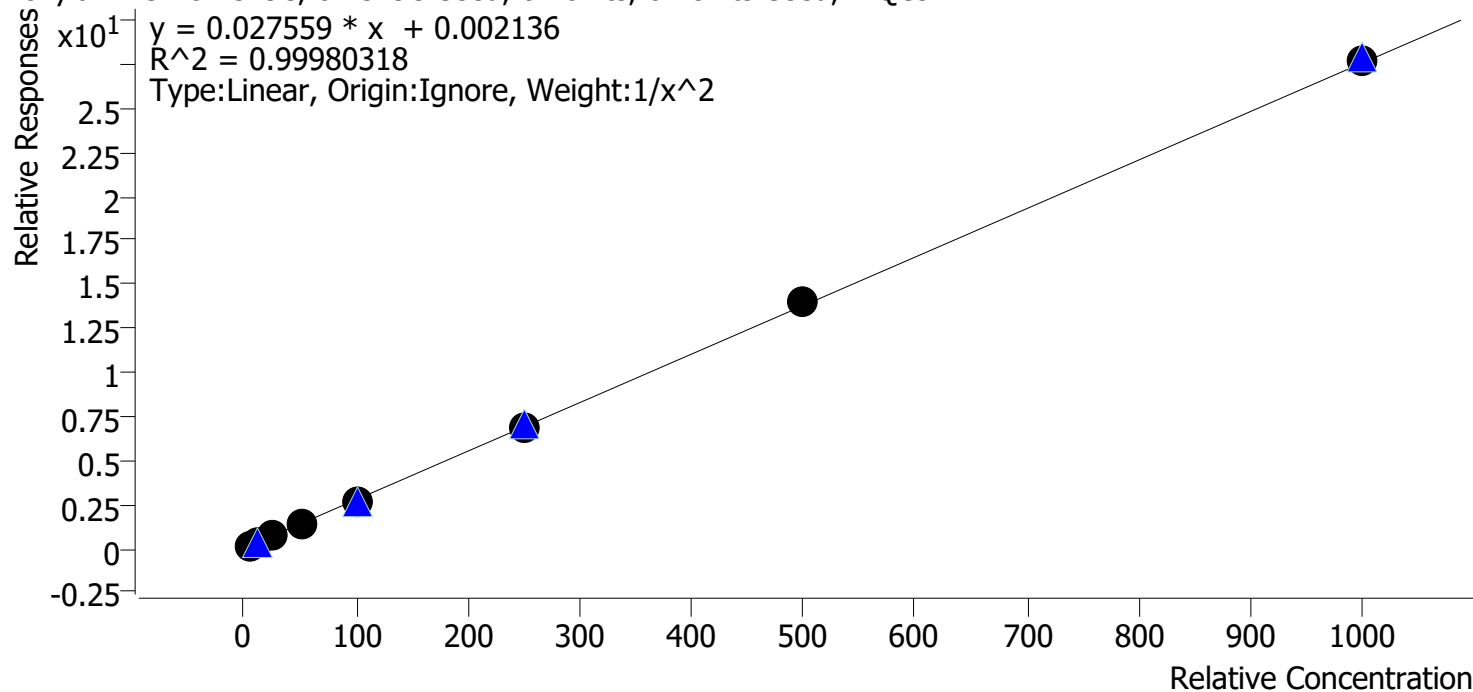
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdqr	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	507.4	101.5
cal 8 mdq	8	✓	1000.0	1035.5	103.5

# Compound Calibration Report



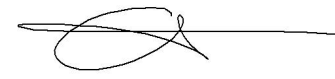
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



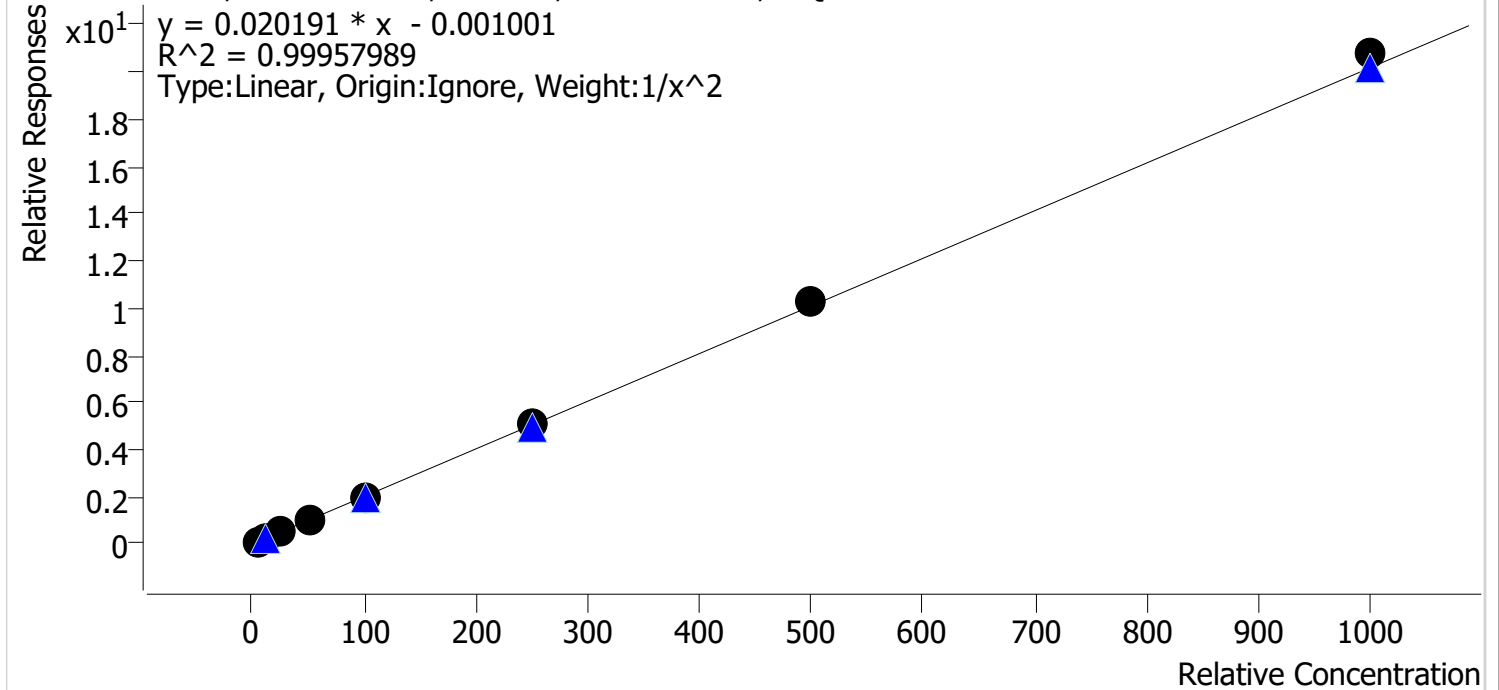
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdqr	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	510.4	102.1
cal 8 mdq	8	✓	1000.0	1005.2	100.5

# Compound Calibration Report



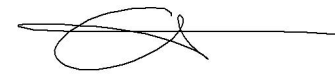
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



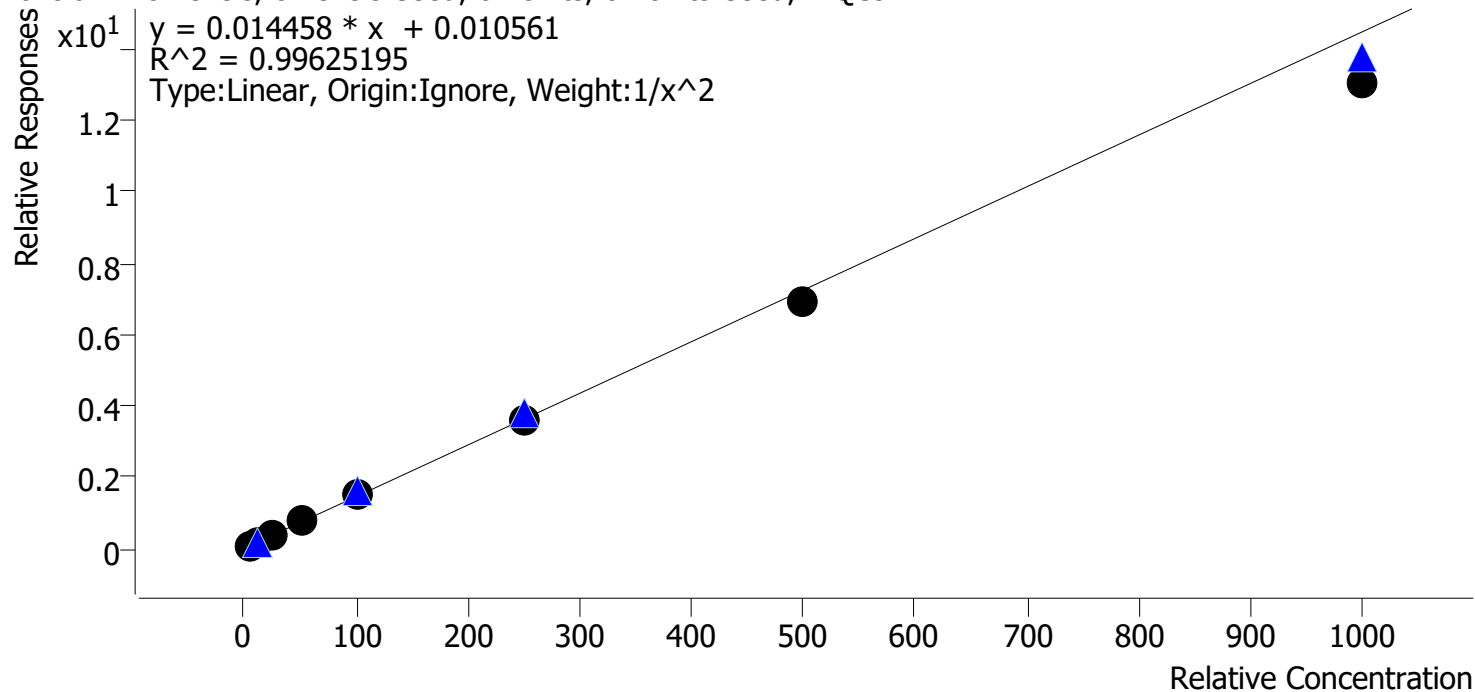
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdqr	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	250.1	100.0
cal 7 mdq	7	✓	500.0	506.9	101.4
cal 8 mdq	8	✓	1000.0	1029.7	103.0

# Compound Calibration Report



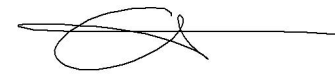
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Diazepam-D5

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



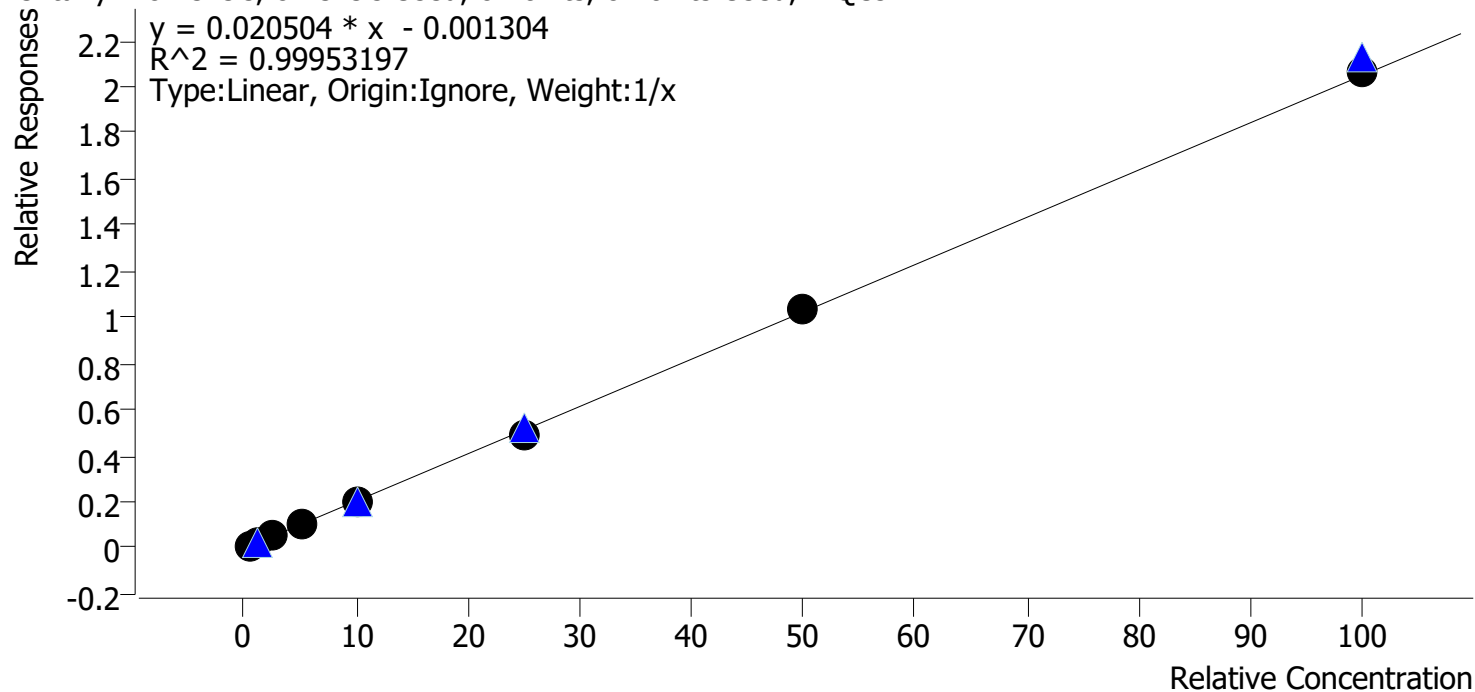
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdqr	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	107.0	107.0
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	476.4	95.3
cal 8 mdq	8	✓	1000.0	904.4	90.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

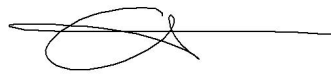
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



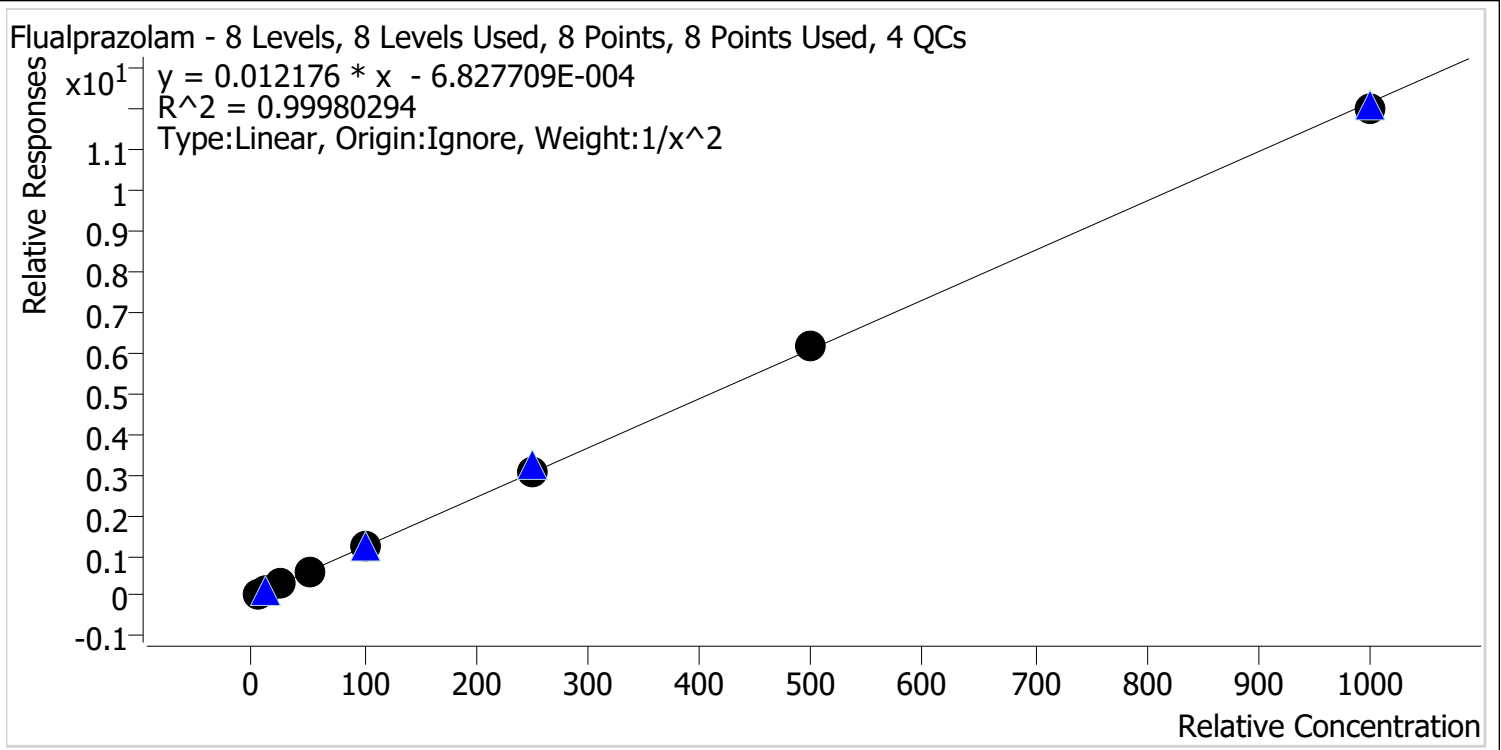
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	110.9
cal 2 mdqr	2	✓	1.0	1.0	97.7
cal 3 mdq	3	✓	2.5	2.5	100.3
cal 4 mdq	4	✓	5.0	4.8	95.4
cal 5 mdq	5	✓	10.0	9.8	97.9
cal 6 mdq	6	✓	25.0	23.9	95.7
cal 7 mdq	7	✓	50.0	50.6	101.2
cal 8 mdq	8	✓	100.0	100.9	100.9



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



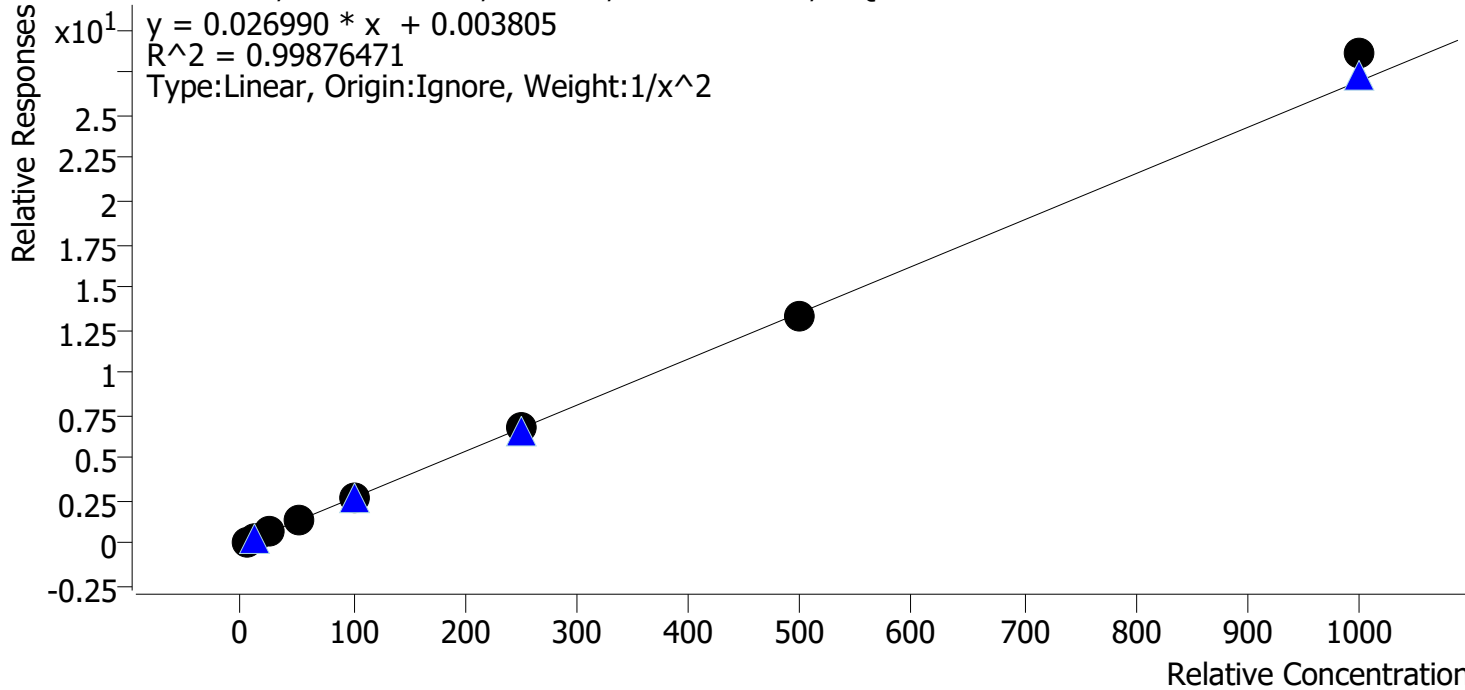
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdqr	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	505.2	101.0
cal 8 mdq	8	✓	1000.0	986.1	98.6

# Compound Calibration Report



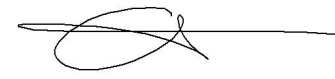
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



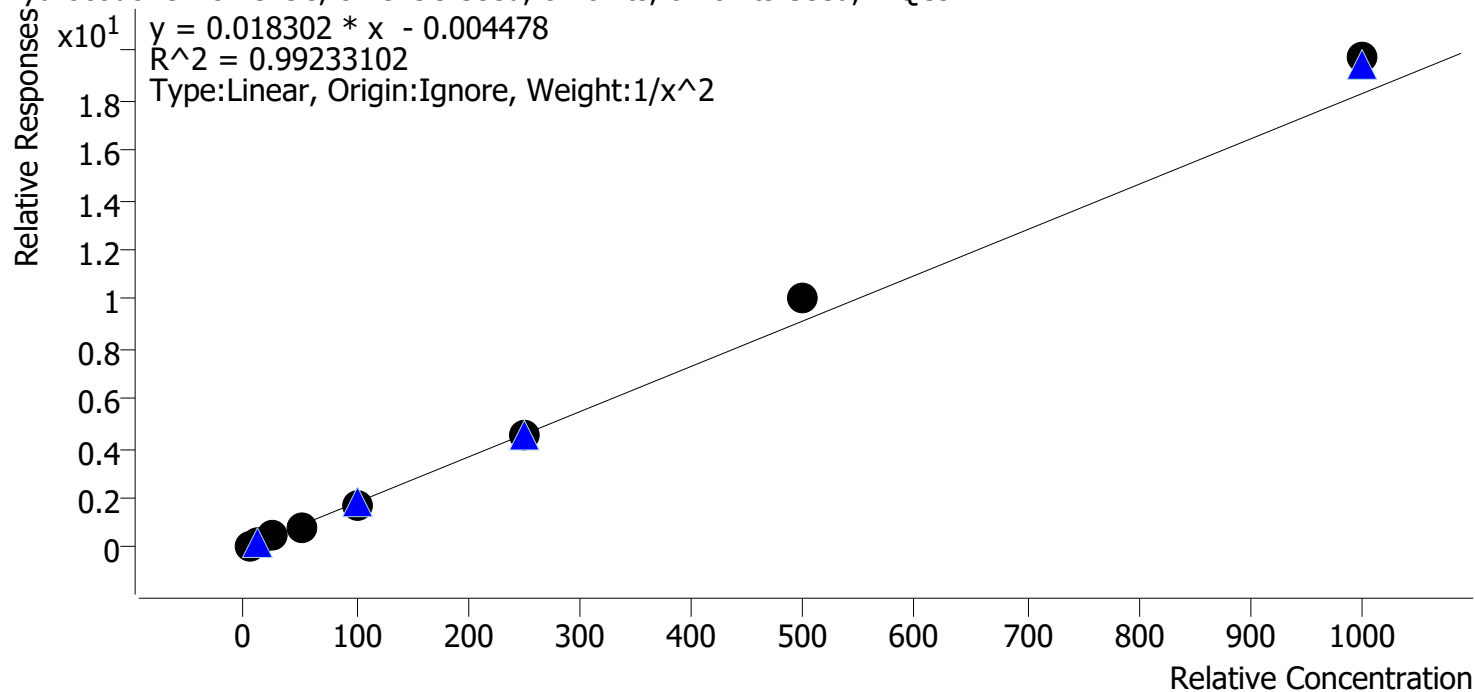
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdqr	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	488.3	97.7
cal 8 mdq	8	✓	1000.0	1059.6	106.0

# Compound Calibration Report



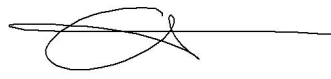
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



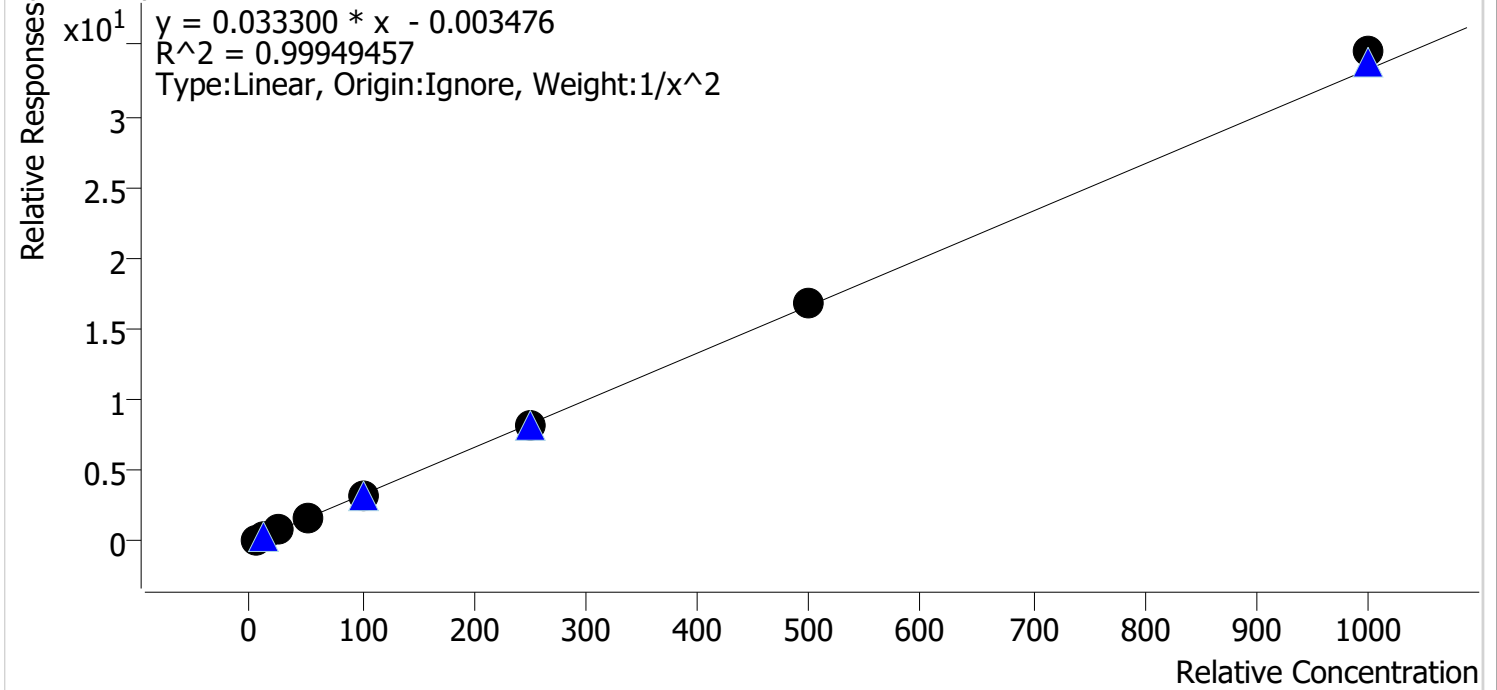
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.5
cal 2 mdqr	2	✓	10.0	9.3	92.9
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	43.7	87.4
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	547.3	109.5
cal 8 mdq	8	✓	1000.0	1079.0	107.9

# Compound Calibration Report



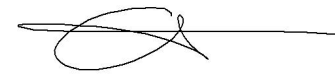
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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

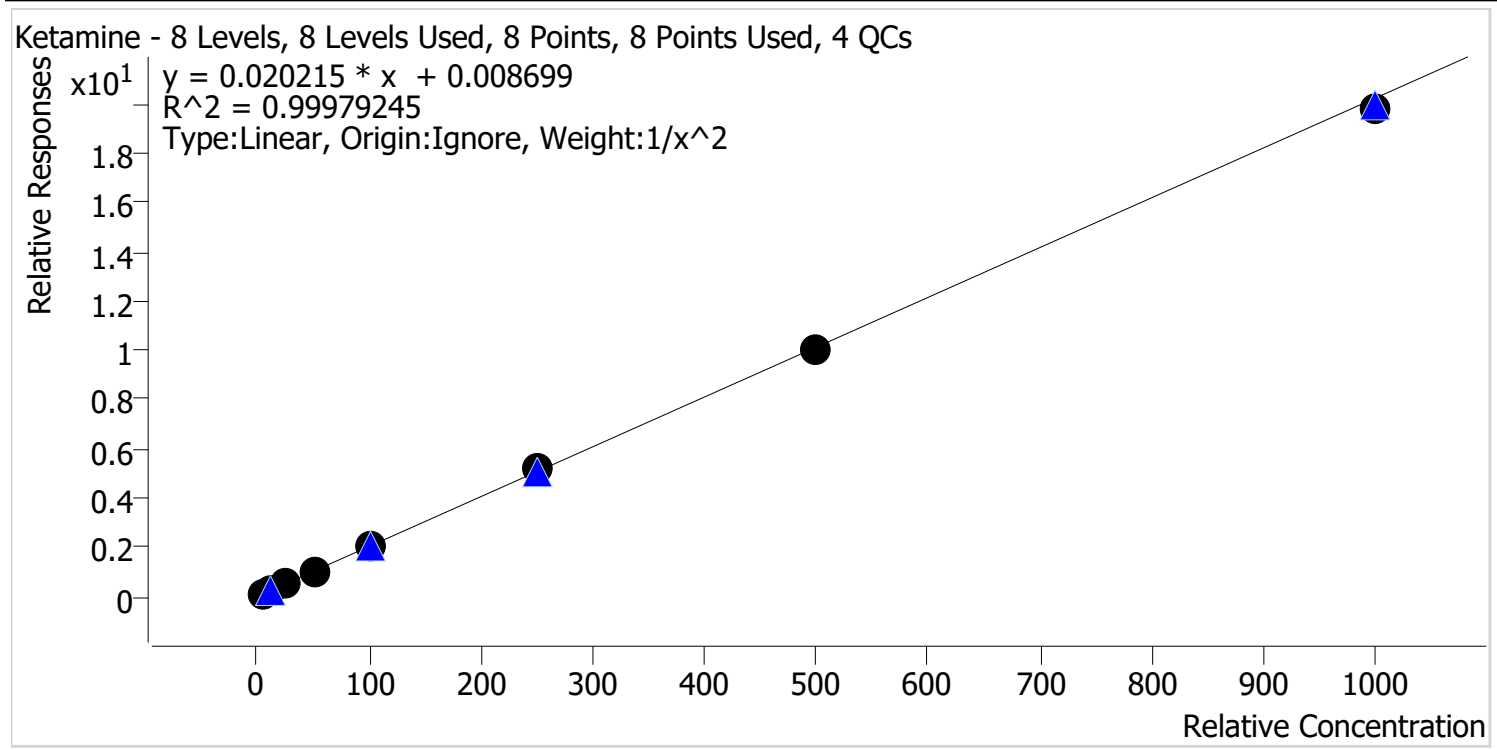


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdqr	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	507.2	101.4
cal 8 mdq	8	✓	1000.0	1037.6	103.8

# Compound Calibration Report

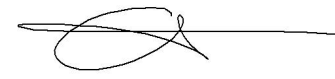


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



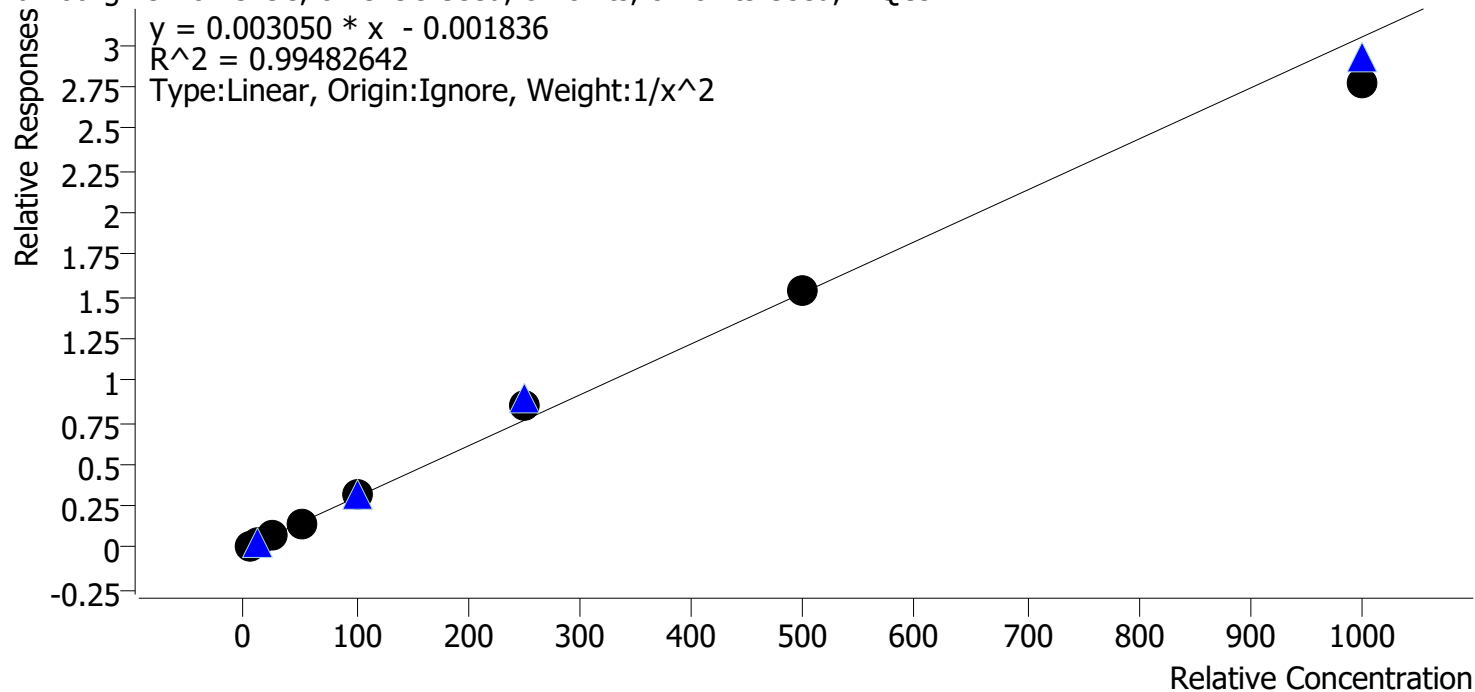
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdqr	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	976.9	97.7

# Compound Calibration Report



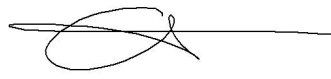
**Batch results** D:\MassHunter\Data\2022\lam 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** MDA-D5

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

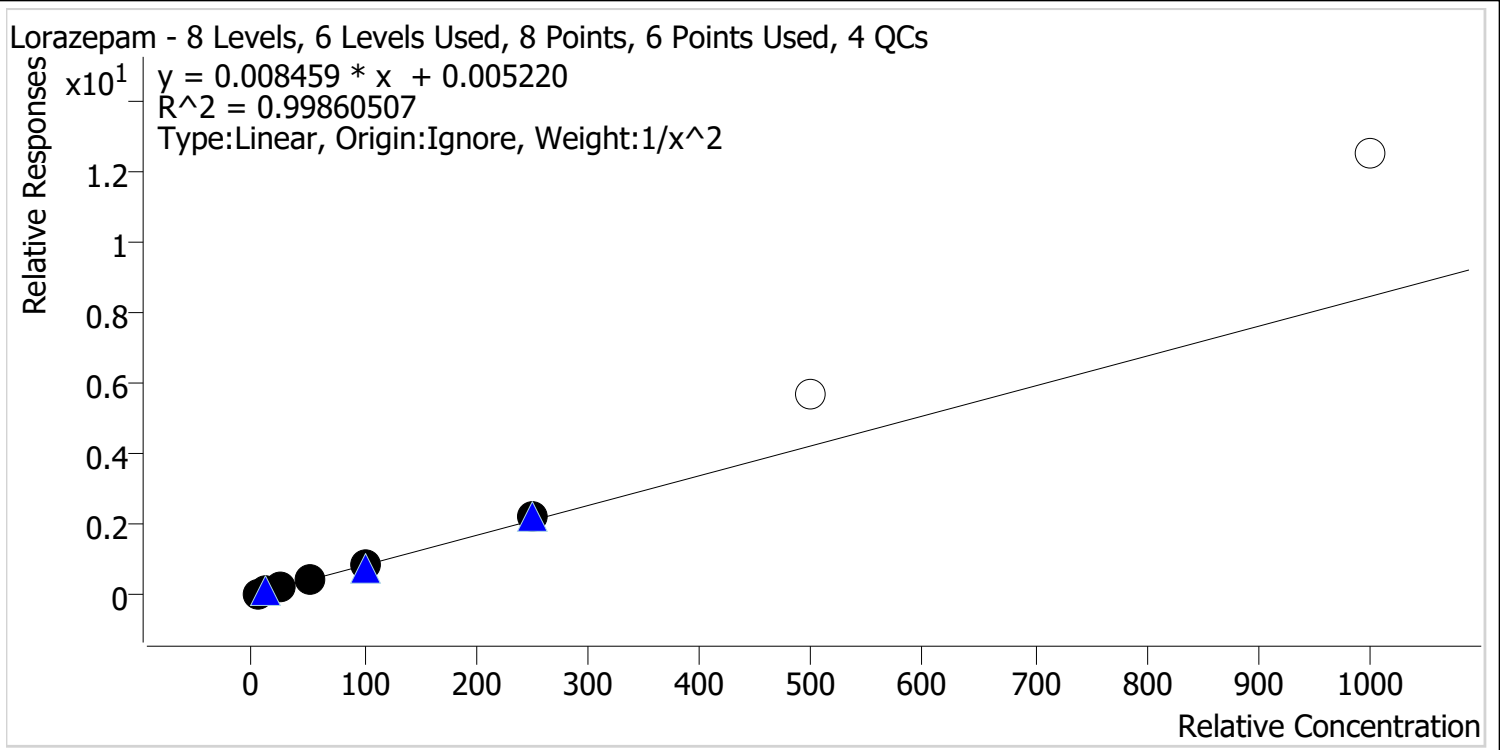


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.7
cal 2 mdqr	2	✓	10.0	9.3	93.2
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	276.0	110.4
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	911.3	91.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdqr	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	261.4	104.6
cal 7 mdq	7	✗	500.0	667.7	133.5
cal 8 mdq	8	✗	1000.0	1485.1	148.5

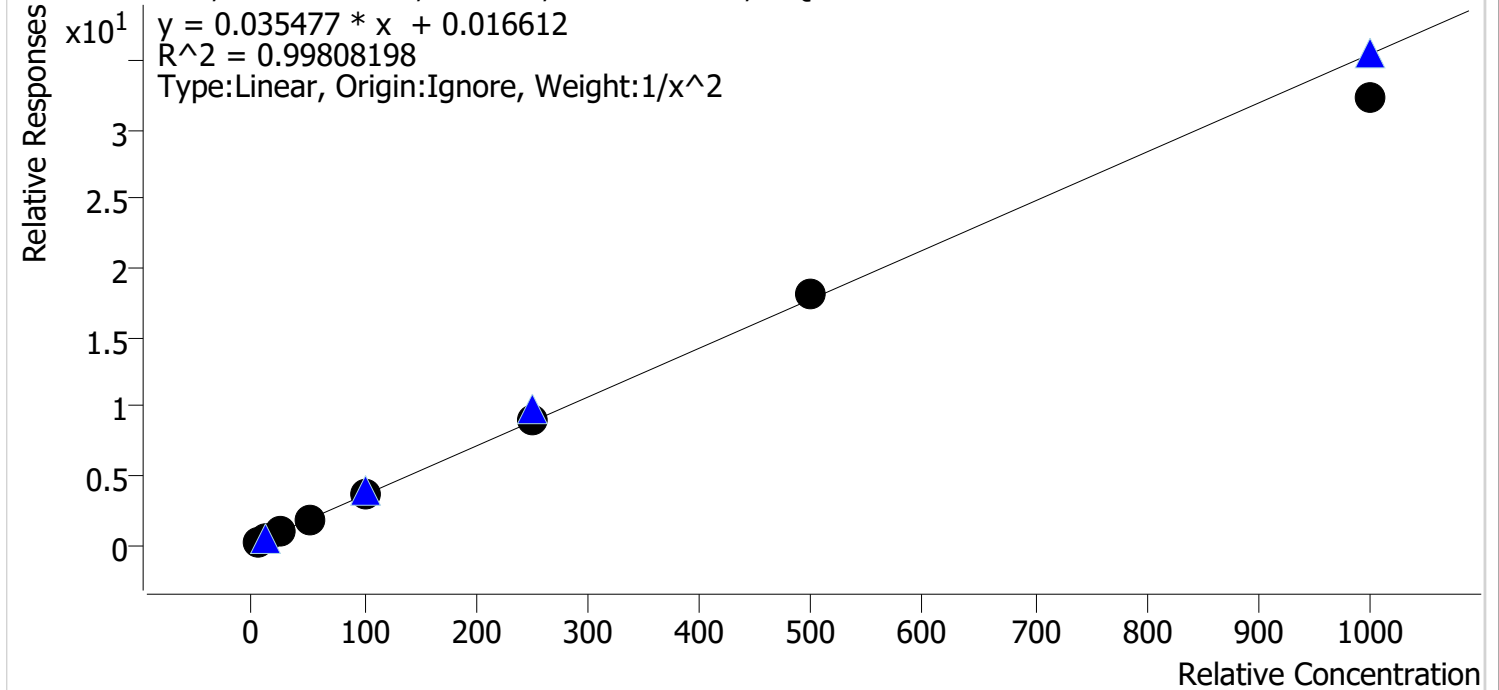
dropped cal 7 and 8 due to accuracy.

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdqr	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	51.5	103.1
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	506.8	101.4
cal 8 mdq	8	✓	1000.0	910.8	91.1

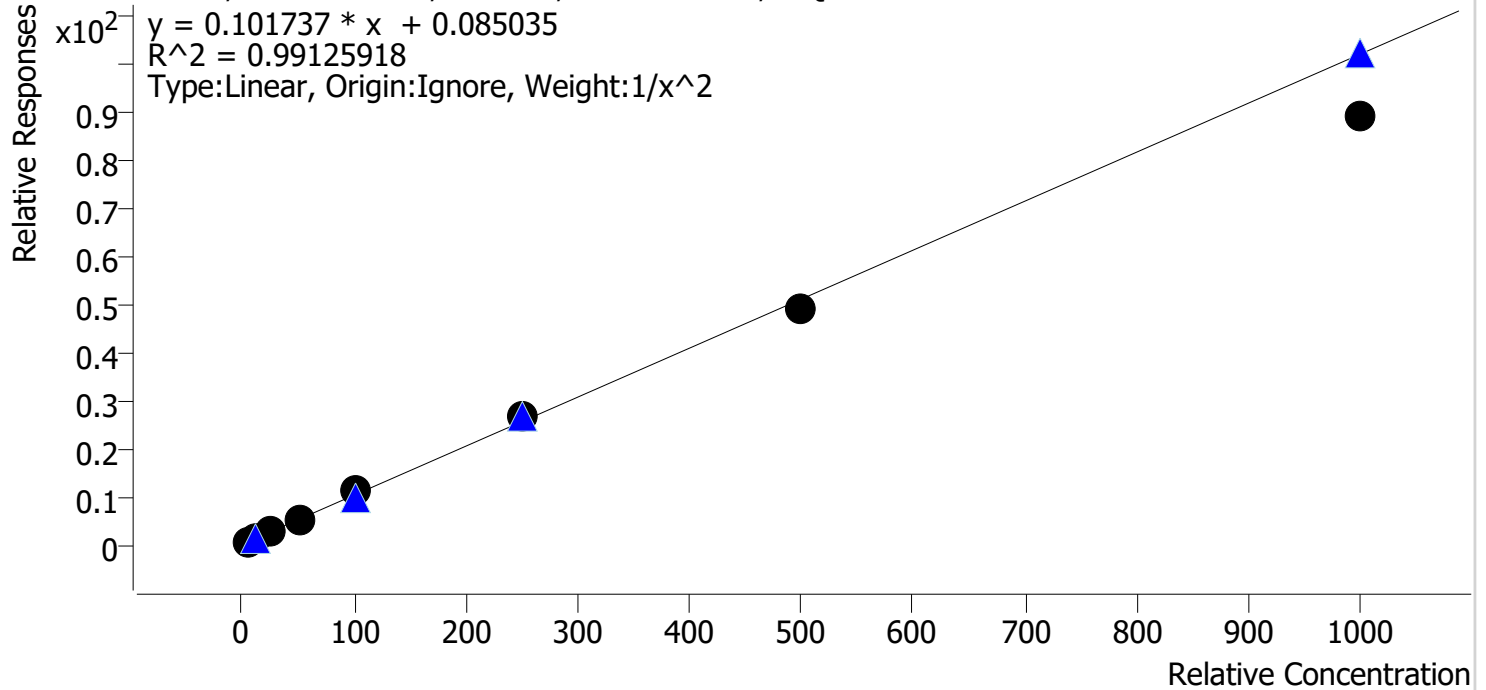


# Compound Calibration Report



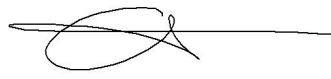
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



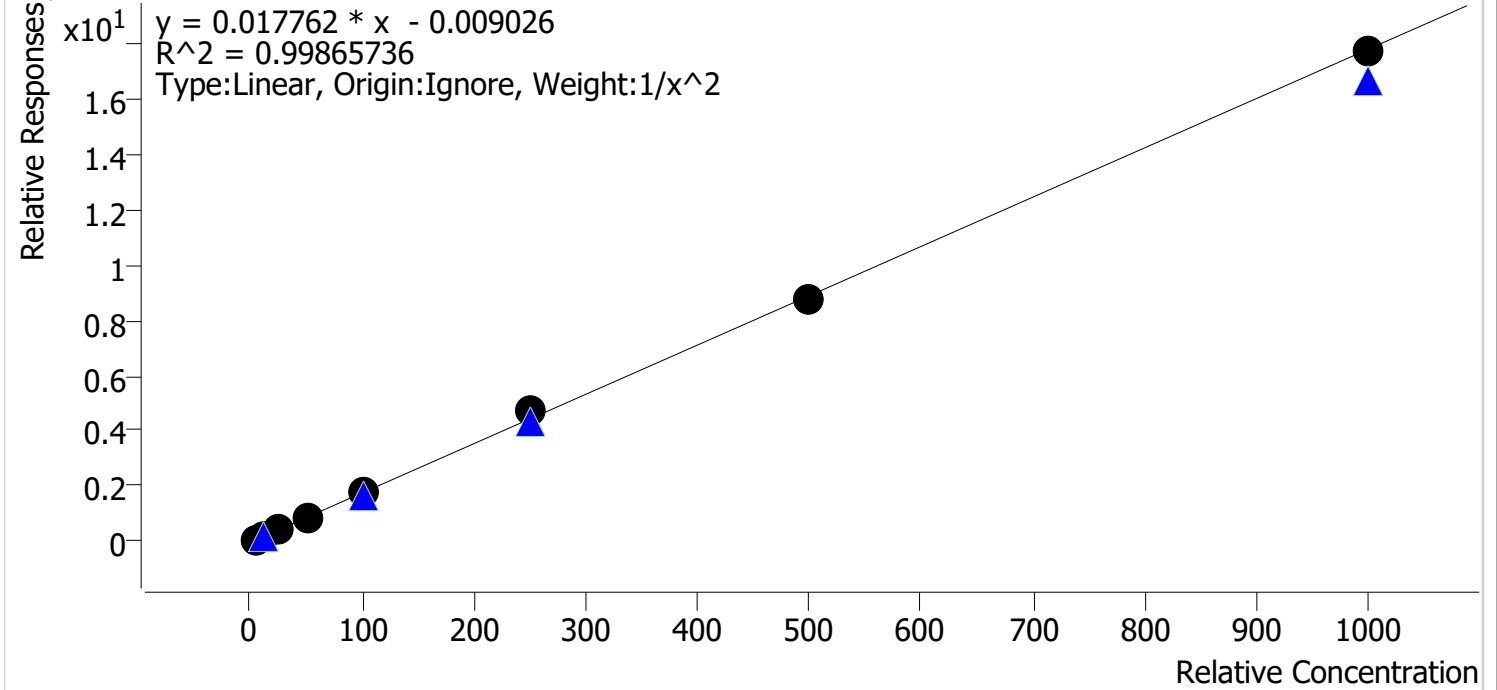
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdqr	2	✓	10.0	10.2	102.3
cal 3 mdq	3	✓	25.0	27.2	109.0
cal 4 mdq	4	✓	50.0	46.4	92.9
cal 5 mdq	5	✓	100.0	111.5	111.5
cal 6 mdq	6	✓	250.0	259.3	103.7
cal 7 mdq	7	✓	500.0	480.8	96.2
cal 8 mdq	8	✓	1000.0	873.2	87.3

# Compound Calibration Report



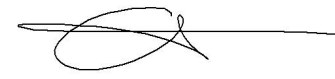
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Carisoprodol-D7

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



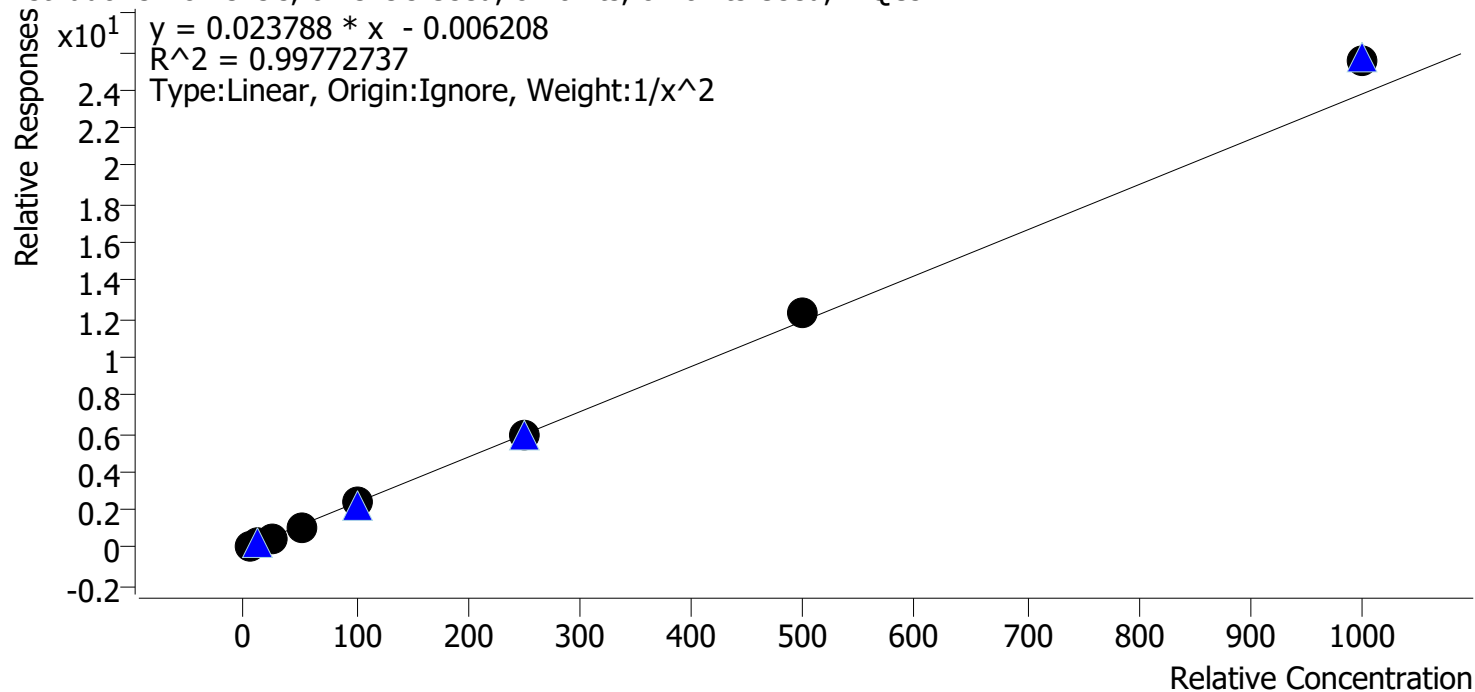
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdqr	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	48.6	97.3
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	265.5	106.2
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	995.2	99.5

# Compound Calibration Report



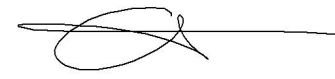
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



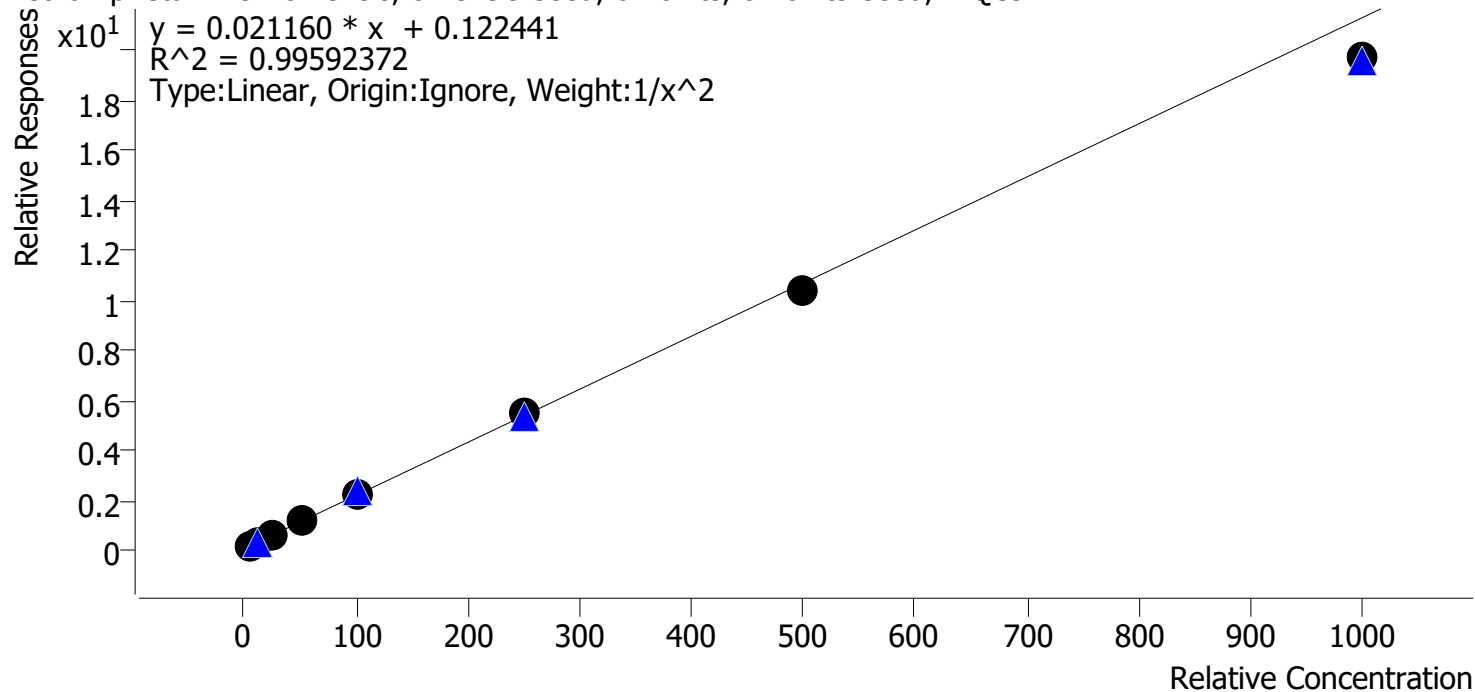
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdqr	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	23.9	95.7
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	247.5	99.0
cal 7 mdq	7	✓	500.0	519.0	103.8
cal 8 mdq	8	✓	1000.0	1072.7	107.3

# Compound Calibration Report



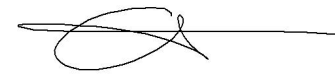
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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



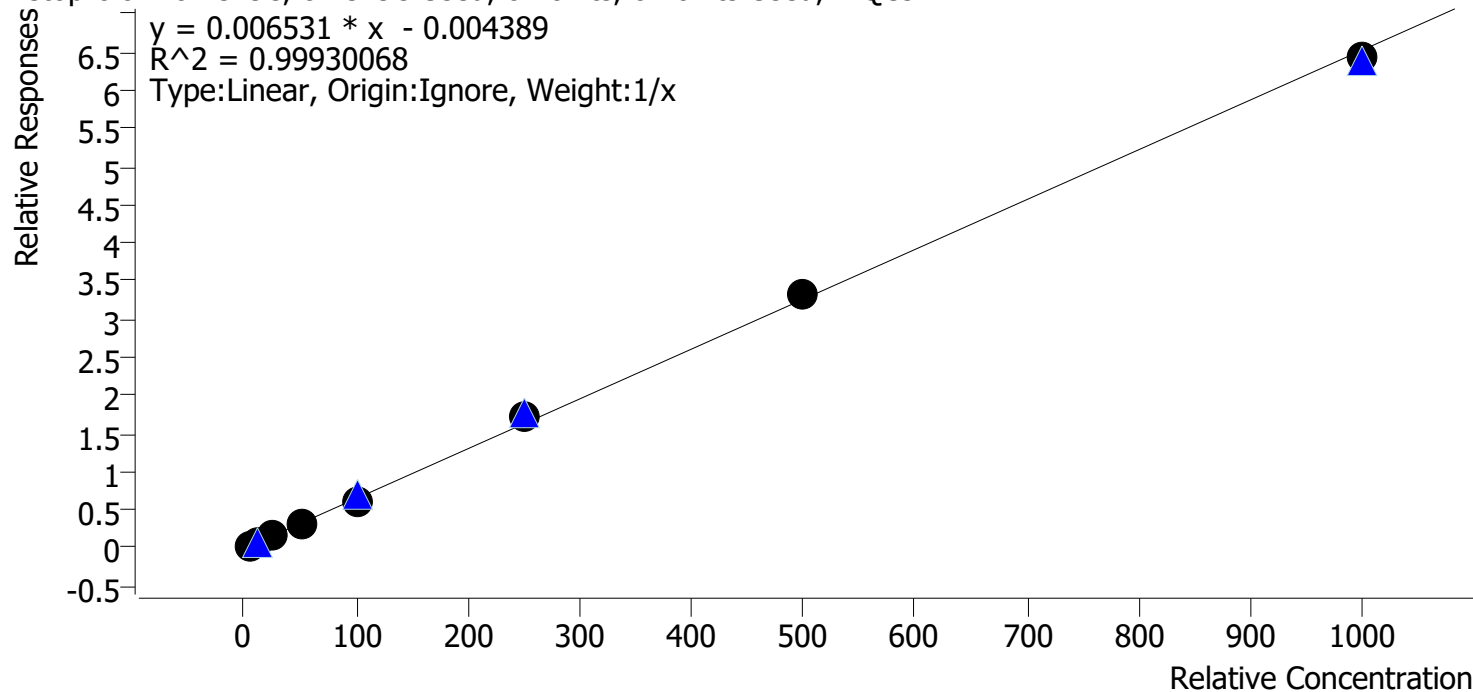
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdqr	2	✓	10.0	9.2	92.0
cal 3 mdq	3	✓	25.0	26.7	106.6
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	252.9	101.2
cal 7 mdq	7	✓	500.0	487.4	97.5
cal 8 mdq	8	✓	1000.0	924.9	92.5

# Compound Calibration Report



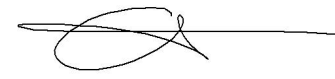
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Amphetamine-D11

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



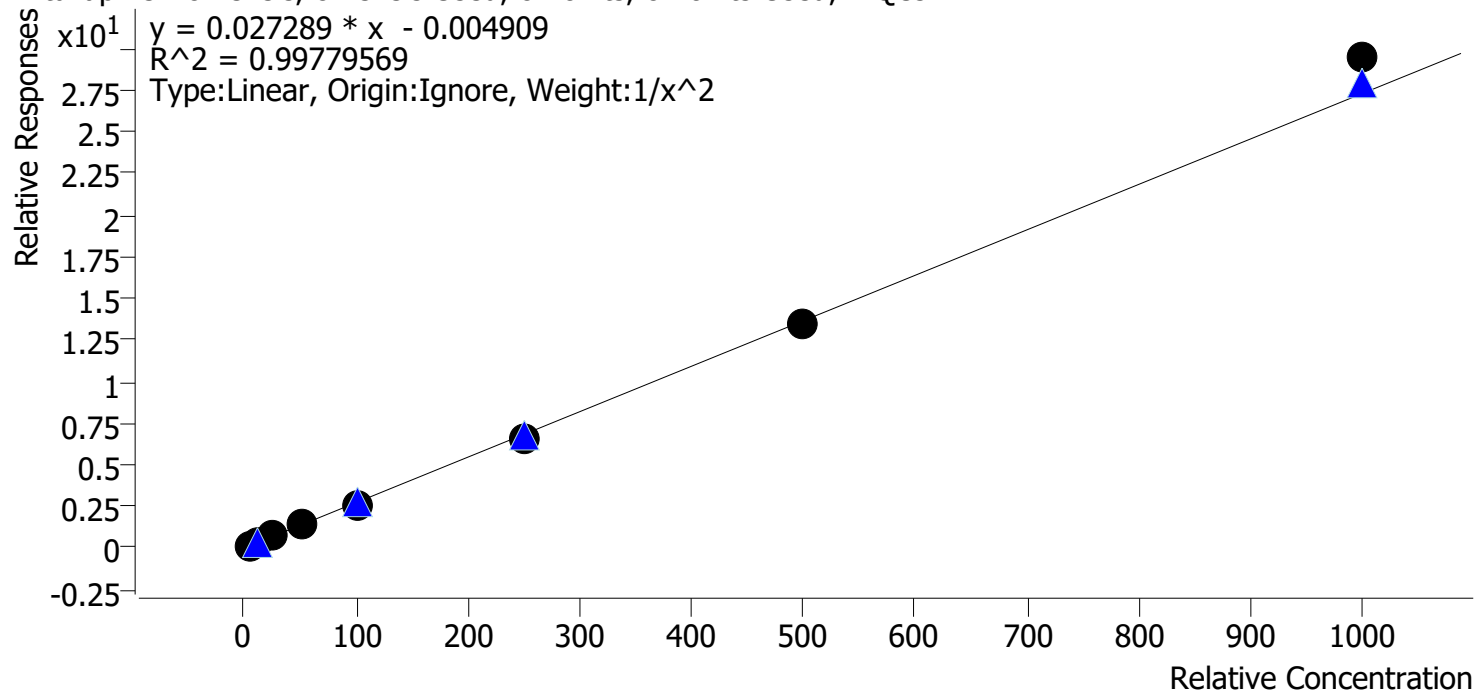
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.1
cal 2 mdqr	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	261.8	104.7
cal 7 mdq	7	✓	500.0	509.5	101.9
cal 8 mdq	8	✓	1000.0	985.1	98.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9

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

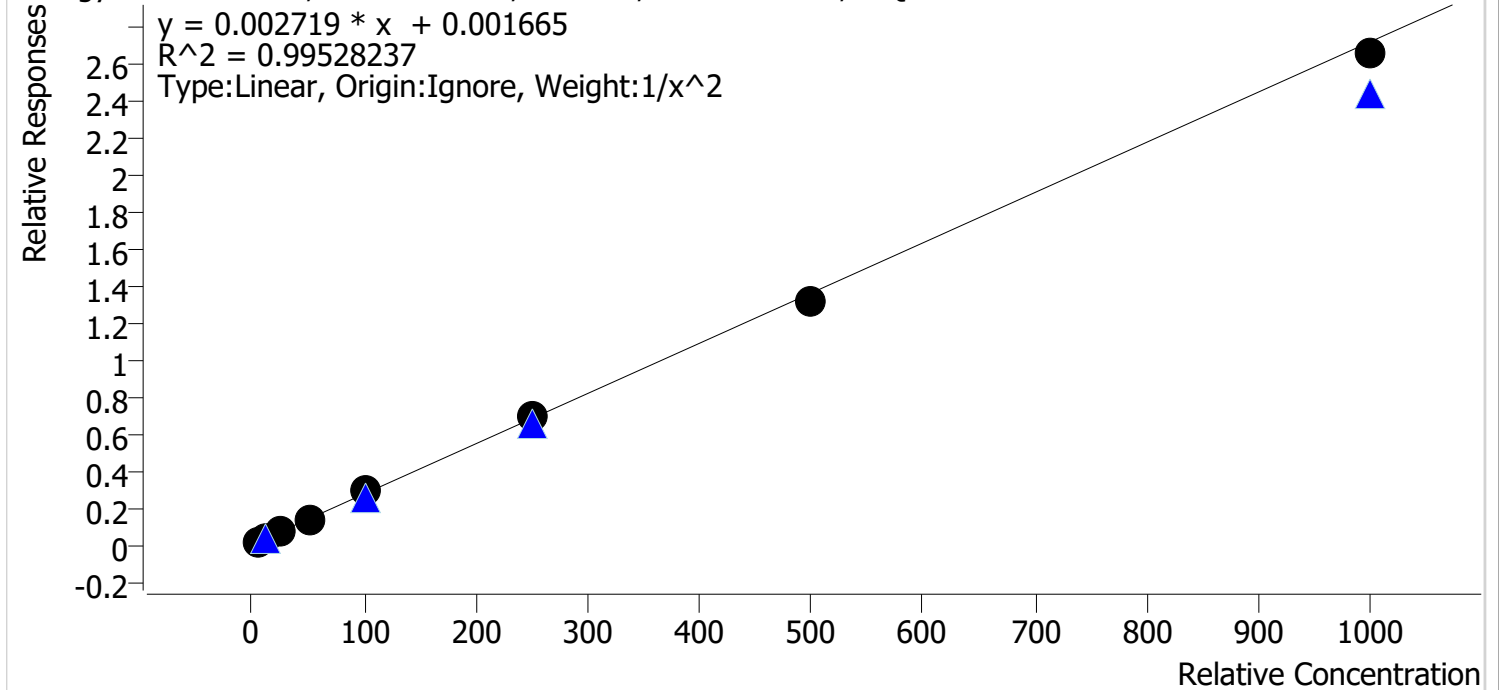


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdqr	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	94.5	94.5
cal 6 mdq	6	✓	250.0	243.2	97.3
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	1079.1	107.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Pseudoephedrine-D3

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

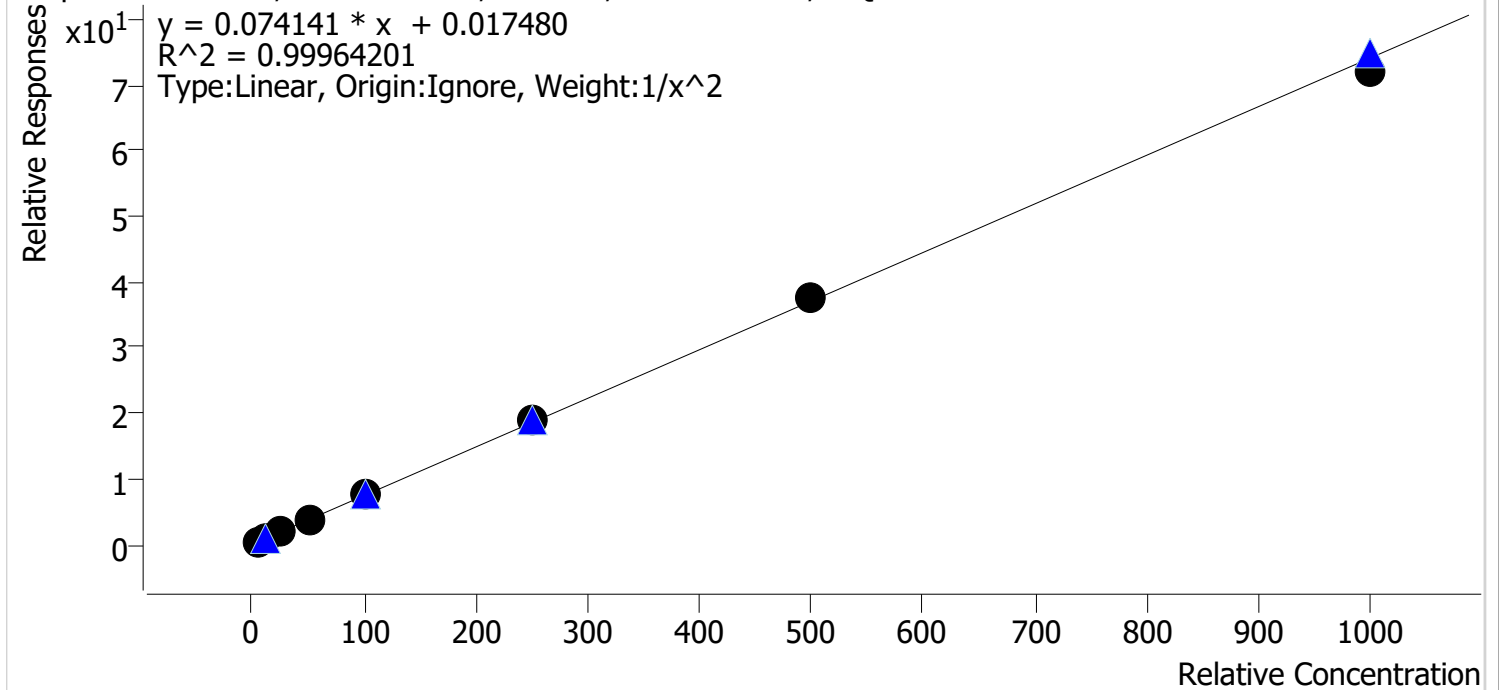


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdqr	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	44.5	89.0
cal 5 mdq	5	✓	100.0	108.0	108.0
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	484.5	96.9
cal 8 mdq	8	✓	1000.0	976.6	97.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

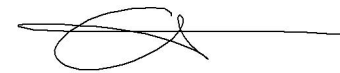
Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdqr	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	506.4	101.3
cal 8 mdq	8	✓	1000.0	968.6	96.9

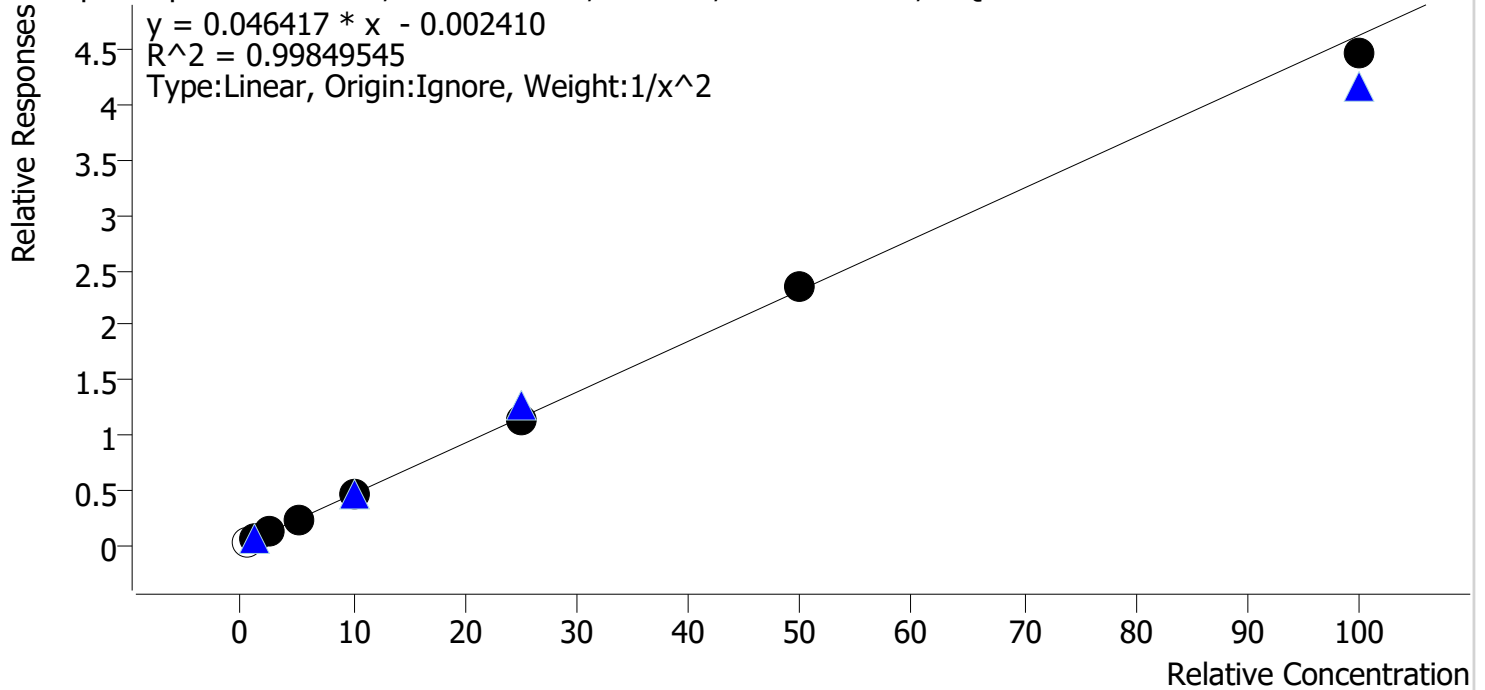


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

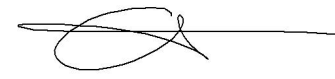
Norbuprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.7	131.7
cal 2 mdqr	2	✓	1.0	1.0	100.3
cal 3 mdq	3	✓	2.5	2.4	96.2
cal 4 mdq	4	✓	5.0	5.3	105.2
cal 5 mdq	5	✓	10.0	10.2	102.5
cal 6 mdq	6	✓	25.0	24.5	98.0
cal 7 mdq	7	✓	50.0	50.7	101.4
cal 8 mdq	8	✓	100.0	96.4	96.4

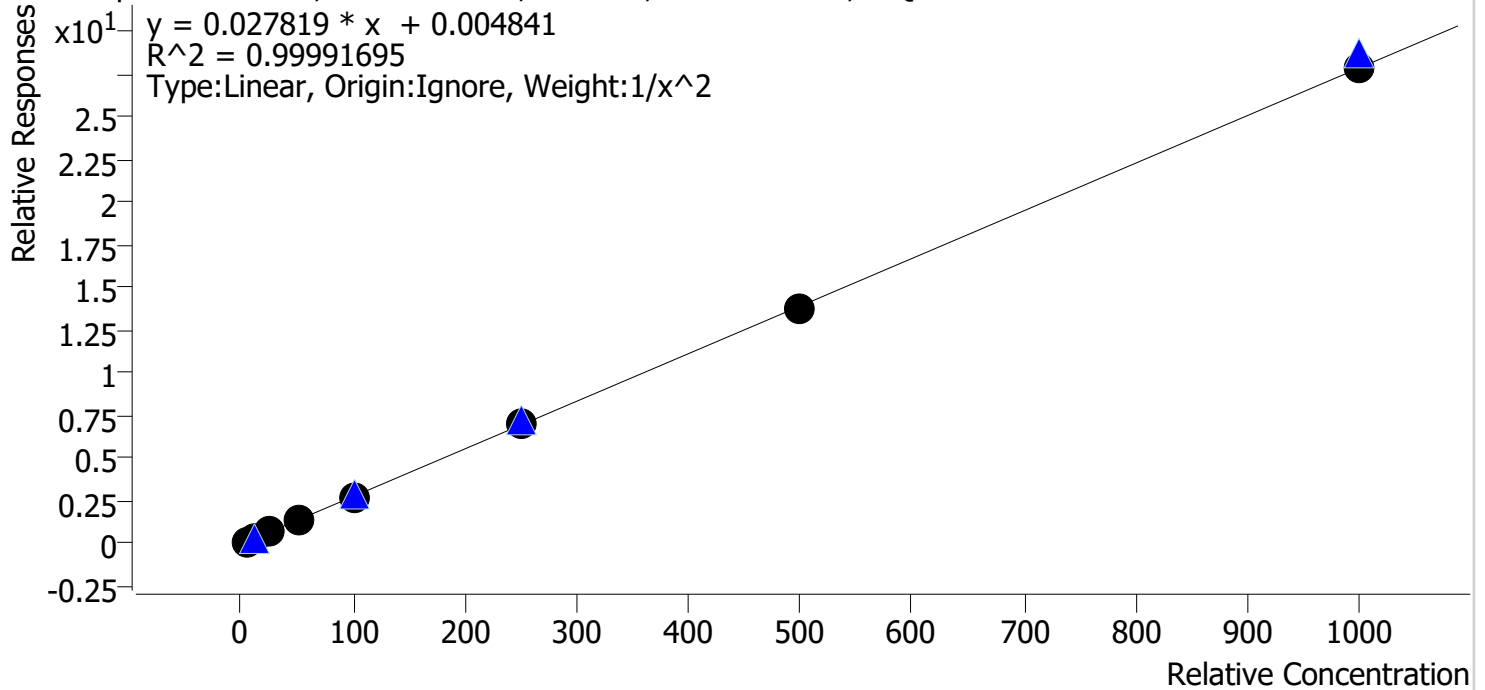
dropped cal 1 due to poor peak shape.

# Compound Calibration Report



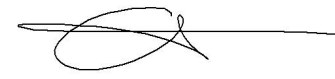
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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

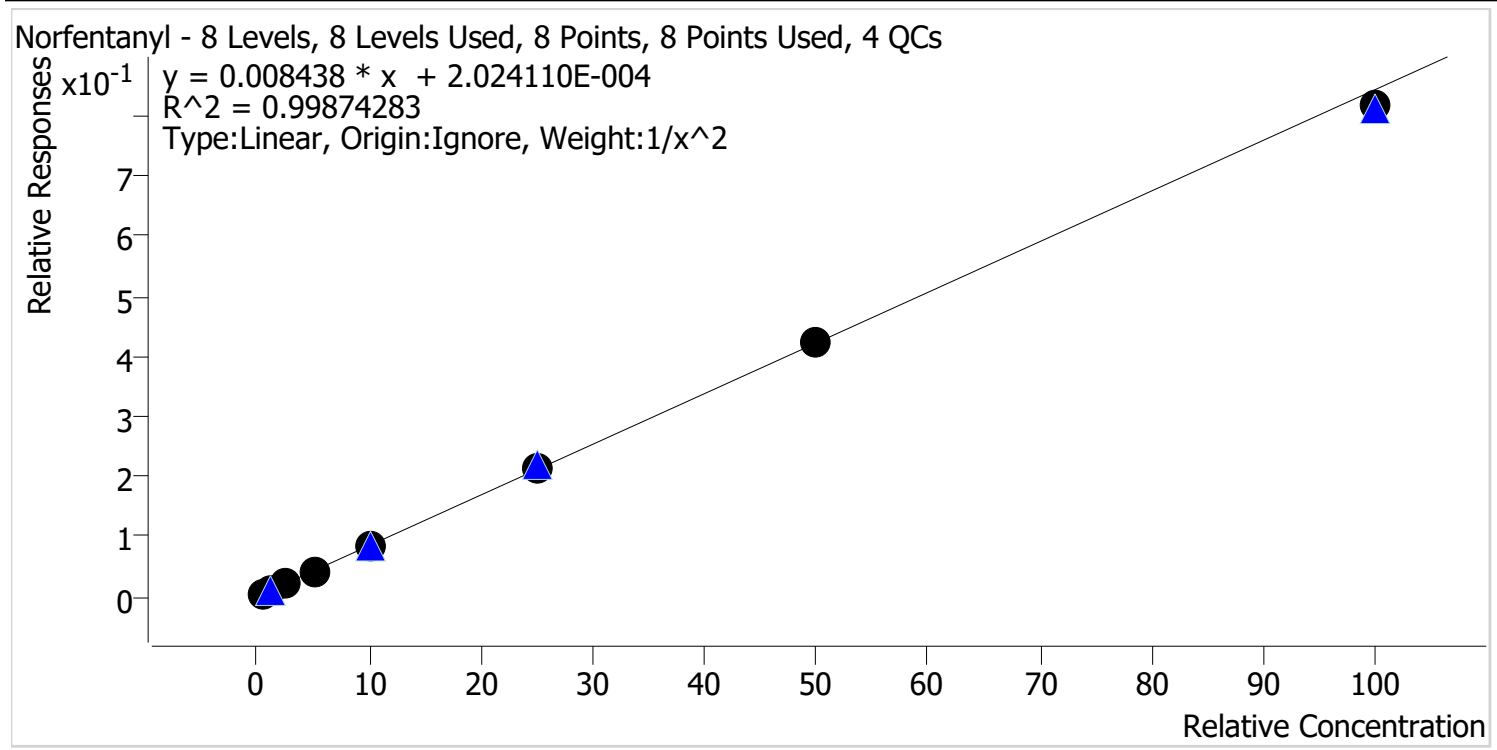


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdqr	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	492.6	98.5
cal 8 mdq	8	✓	1000.0	999.0	99.9

# Compound Calibration Report

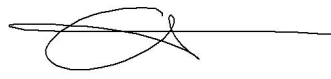


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



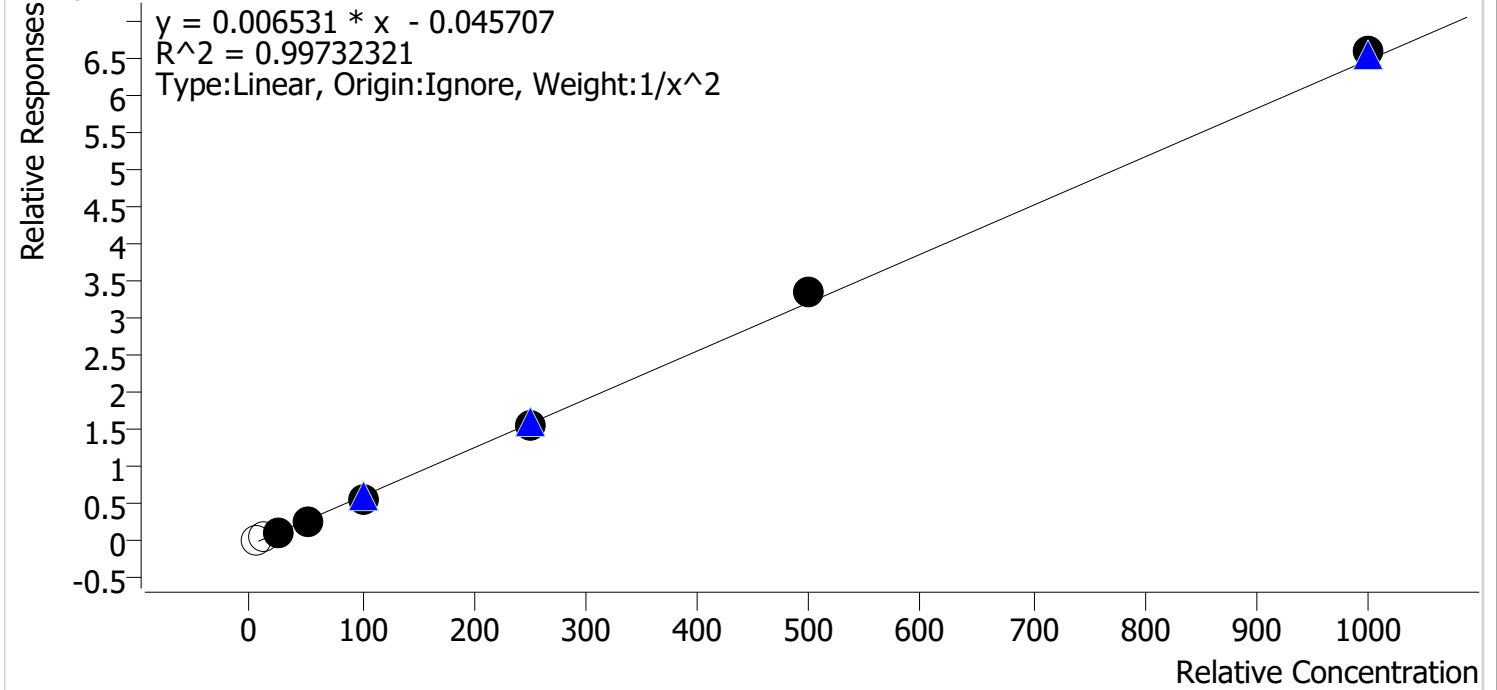
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.0
cal 2 mdqr	2	✓	1.0	0.9	94.2
cal 3 mdq	3	✓	2.5	2.6	103.1
cal 4 mdq	4	✓	5.0	5.1	102.5
cal 5 mdq	5	✓	10.0	10.0	99.7
cal 6 mdq	6	✓	25.0	25.4	101.5
cal 7 mdq	7	✓	50.0	50.1	100.1
cal 8 mdq	8	✓	100.0	96.8	96.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

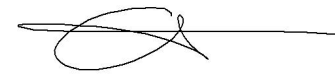
Norhydrocodone - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	10.4	207.4
cal 2 mdqr	2	x	10.0	13.9	138.9
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	47.3	94.7
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	524.5	104.9
cal 8 mdq	8	✓	1000.0	1017.6	101.8

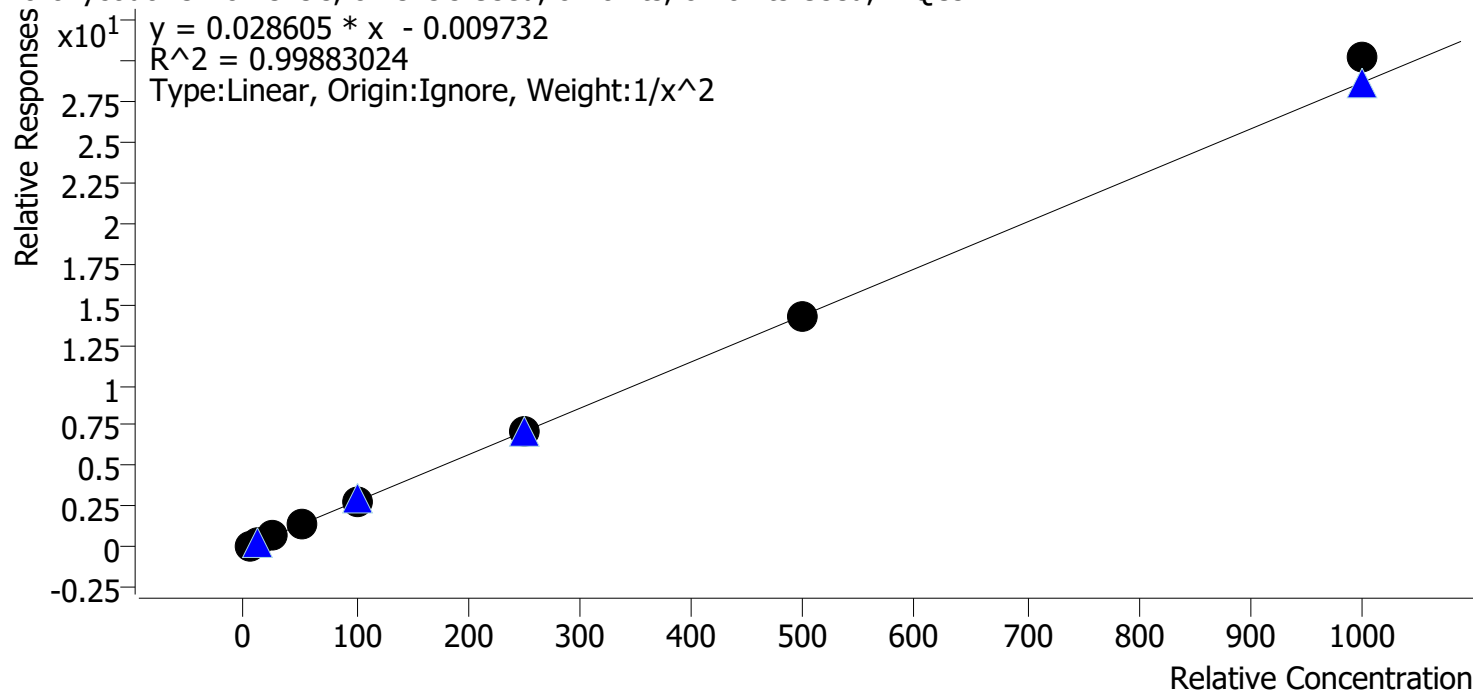
dropped cal 1 and 2 due to poor response and ratio of cal 2 and 10 ng control being out.

# Compound Calibration Report



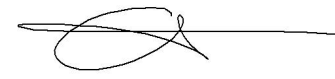
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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

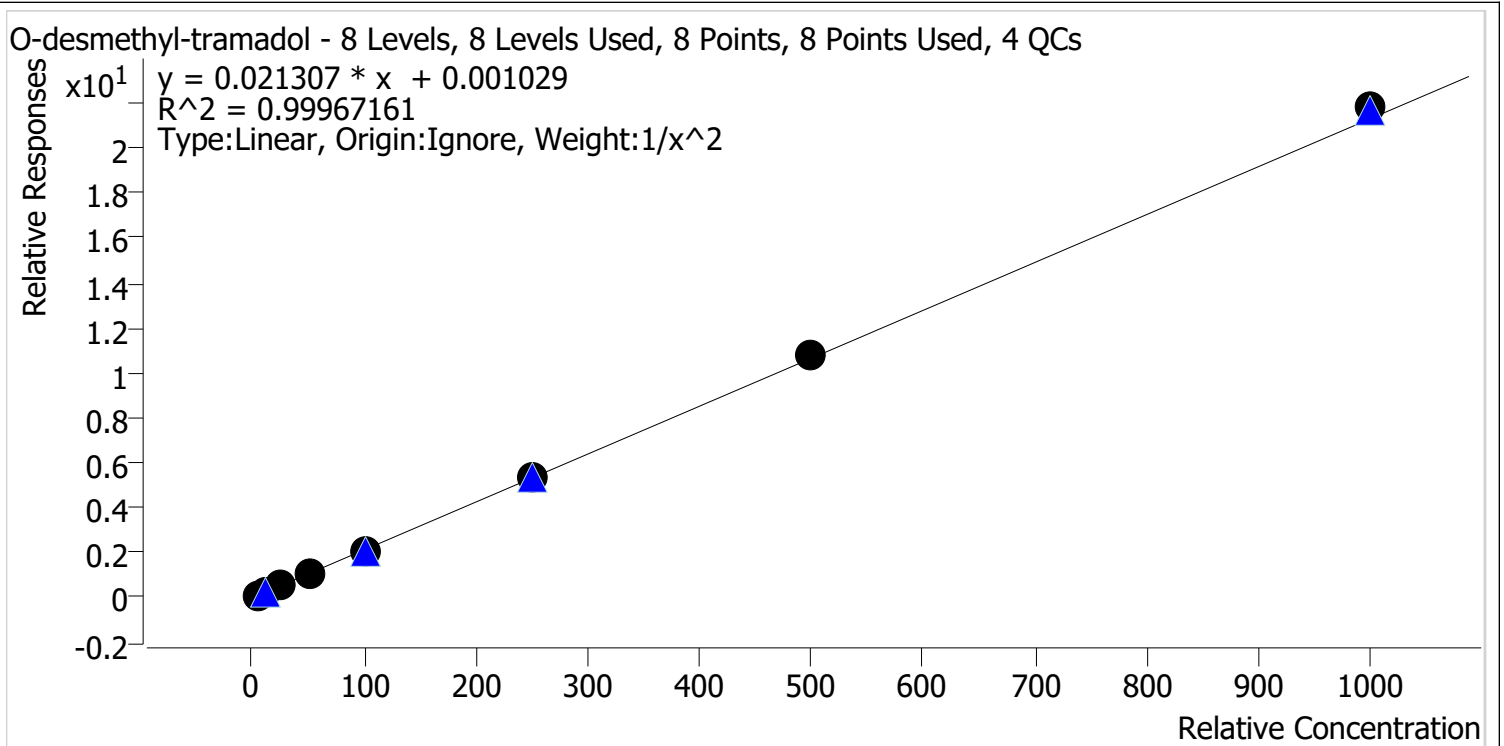


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdqr	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	48.6	97.3
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	247.0	98.8
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1053.5	105.3

# Compound Calibration Report

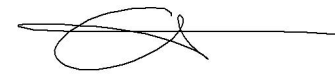


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



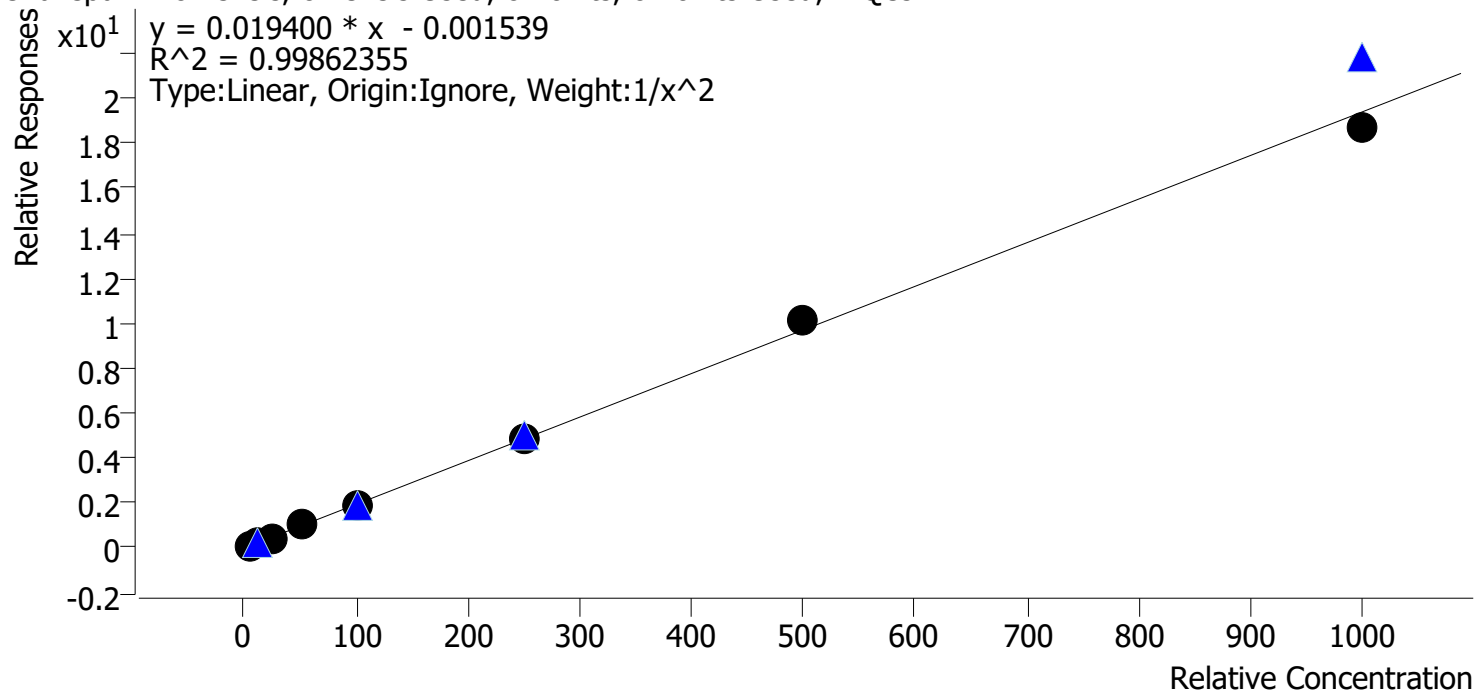
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdqr	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	509.4	101.9
cal 8 mdq	8	✓	1000.0	1024.1	102.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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

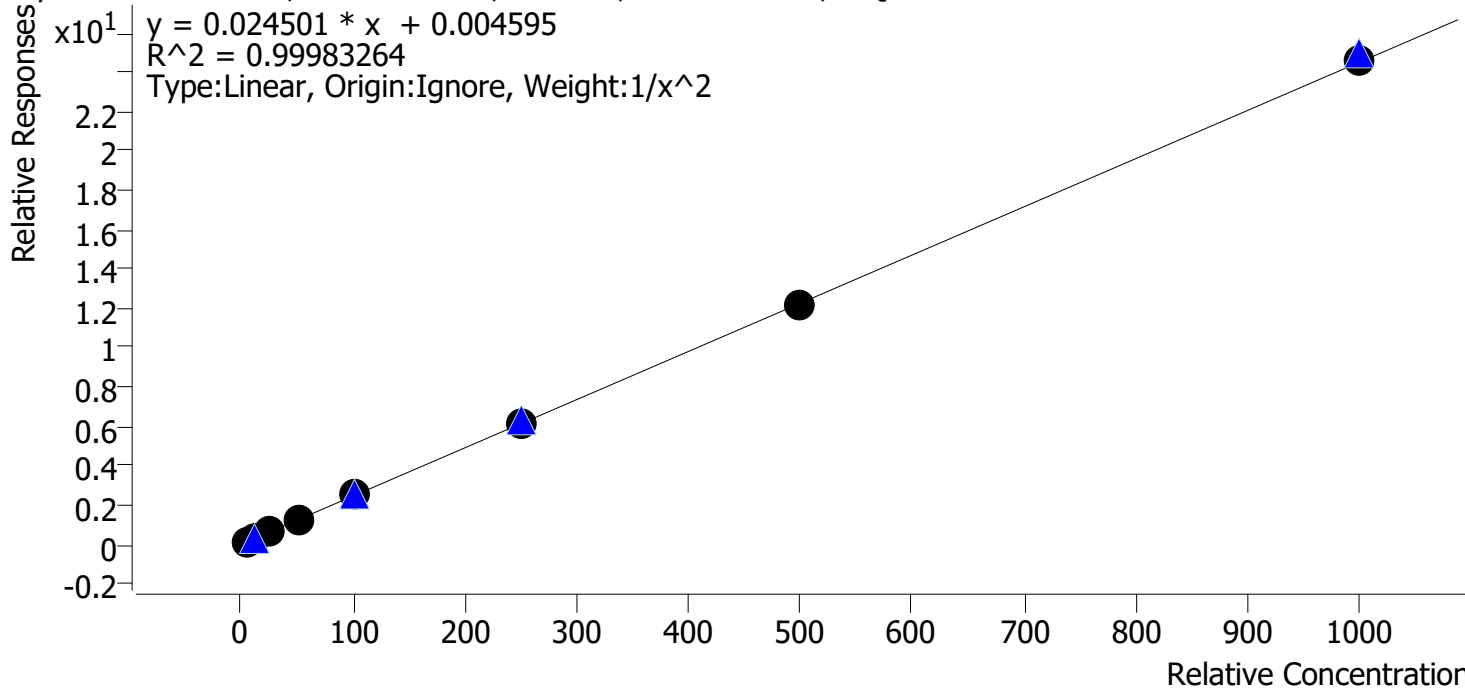


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdqr	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	24.4	97.4
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	523.1	104.6
cal 8 mdq	8	✓	1000.0	968.2	96.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

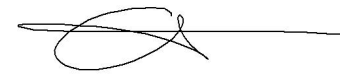
Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdqr	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	492.8	98.6
cal 8 mdq	8	✓	1000.0	1003.8	100.4

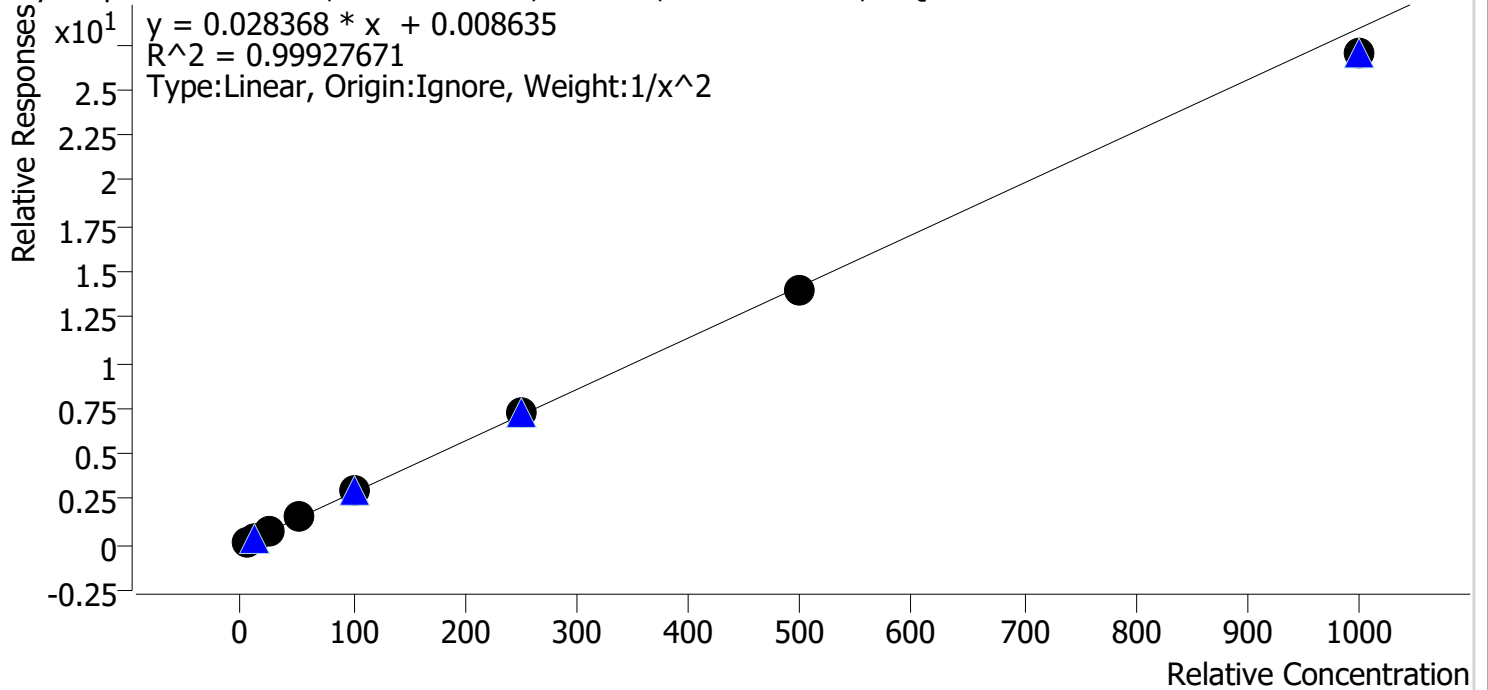


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



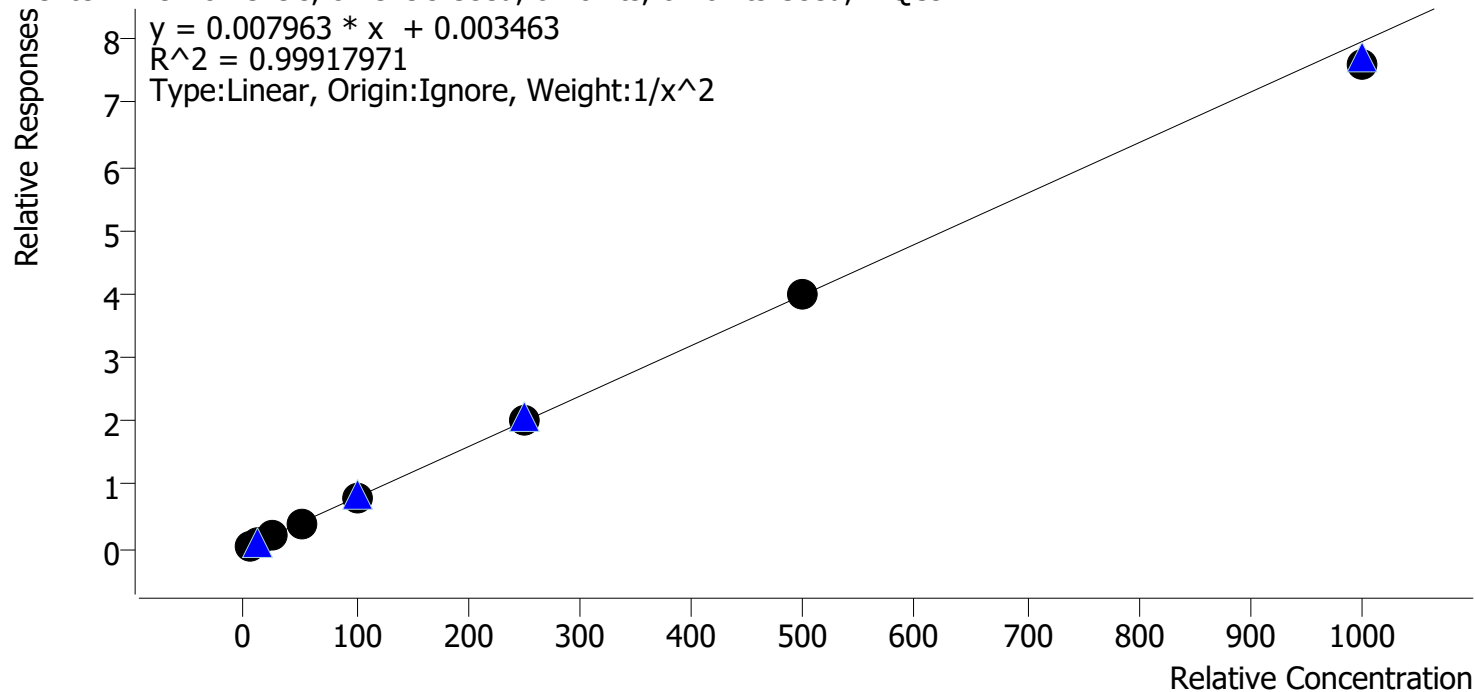
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdqr	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	495.2	99.0
cal 8 mdq	8	✓	1000.0	949.7	95.0

# Compound Calibration Report



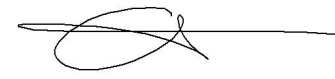
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

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



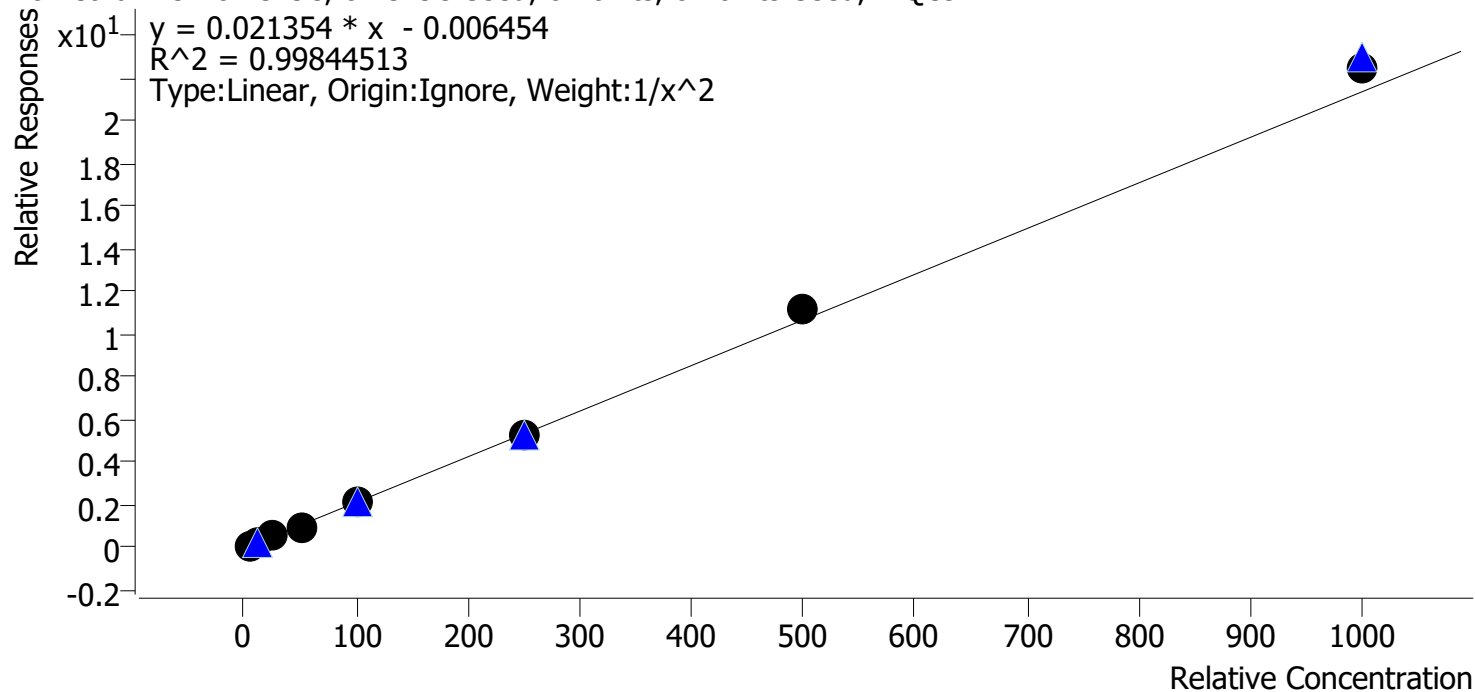
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdqr	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	253.1	101.3
cal 7 mdq	7	✓	500.0	498.0	99.6
cal 8 mdq	8	✓	1000.0	956.7	95.7

# Compound Calibration Report



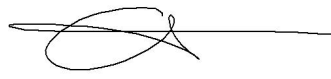
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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

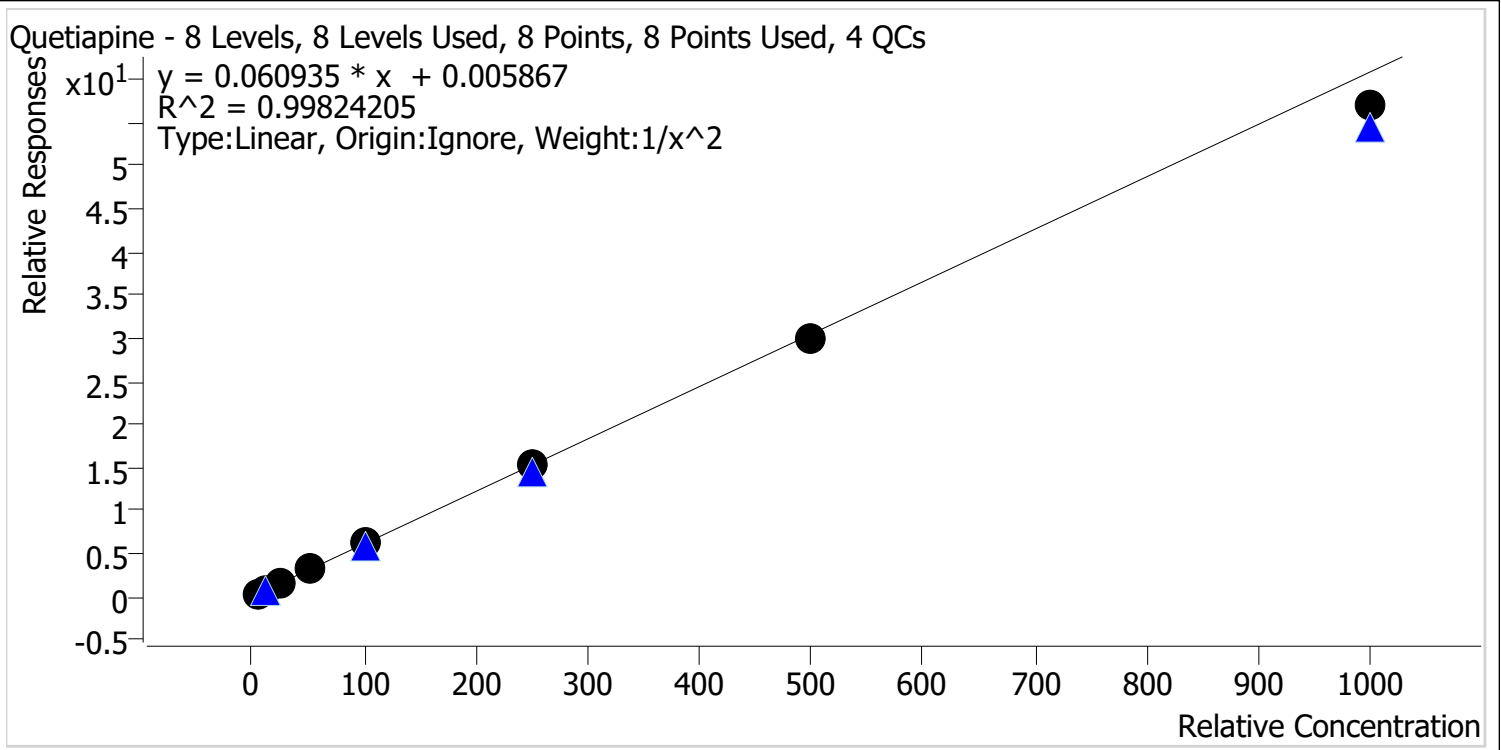


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdqr	2	✓	10.0	9.6	96.5
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	245.6	98.2
cal 7 mdq	7	✓	500.0	520.1	104.0
cal 8 mdq	8	✓	1000.0	1051.2	105.1

# Compound Calibration Report

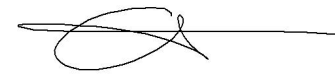


**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



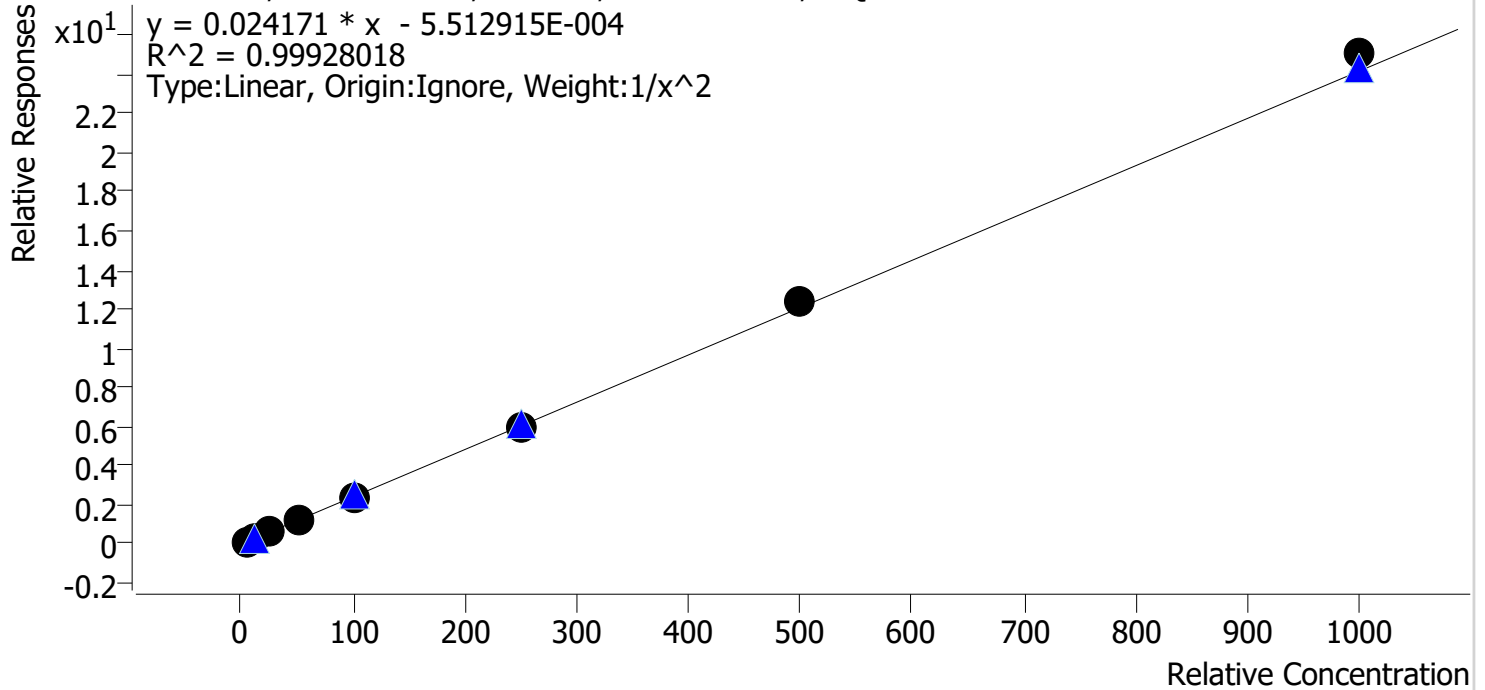
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdqr	2	✓	10.0	10.5	104.7
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.3	102.7
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	935.8	93.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

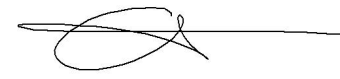
Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdqr	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	243.8	97.5
cal 7 mdq	7	✓	500.0	510.7	102.1
cal 8 mdq	8	✓	1000.0	1037.1	103.7

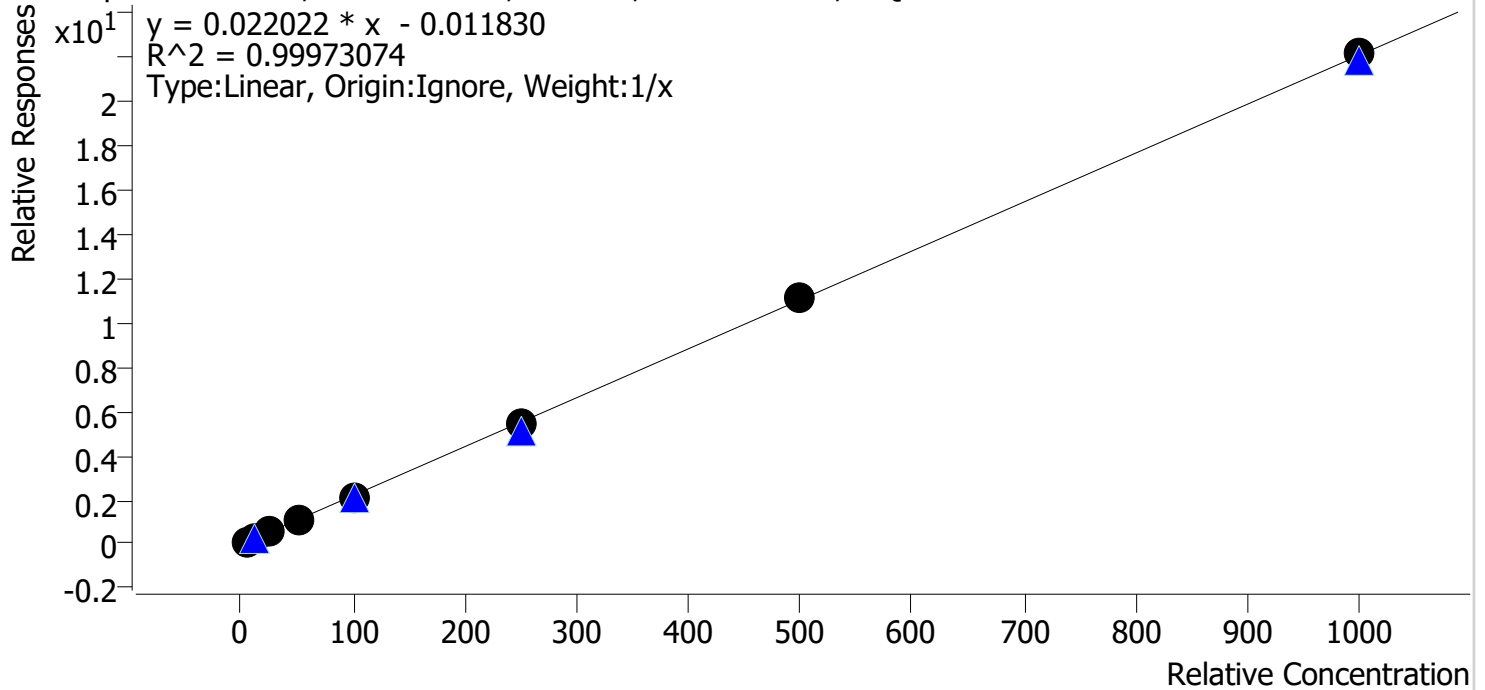
Not evaluated due to carryover in negative control.

# Compound Calibration Report



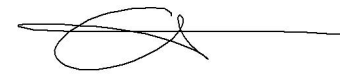
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



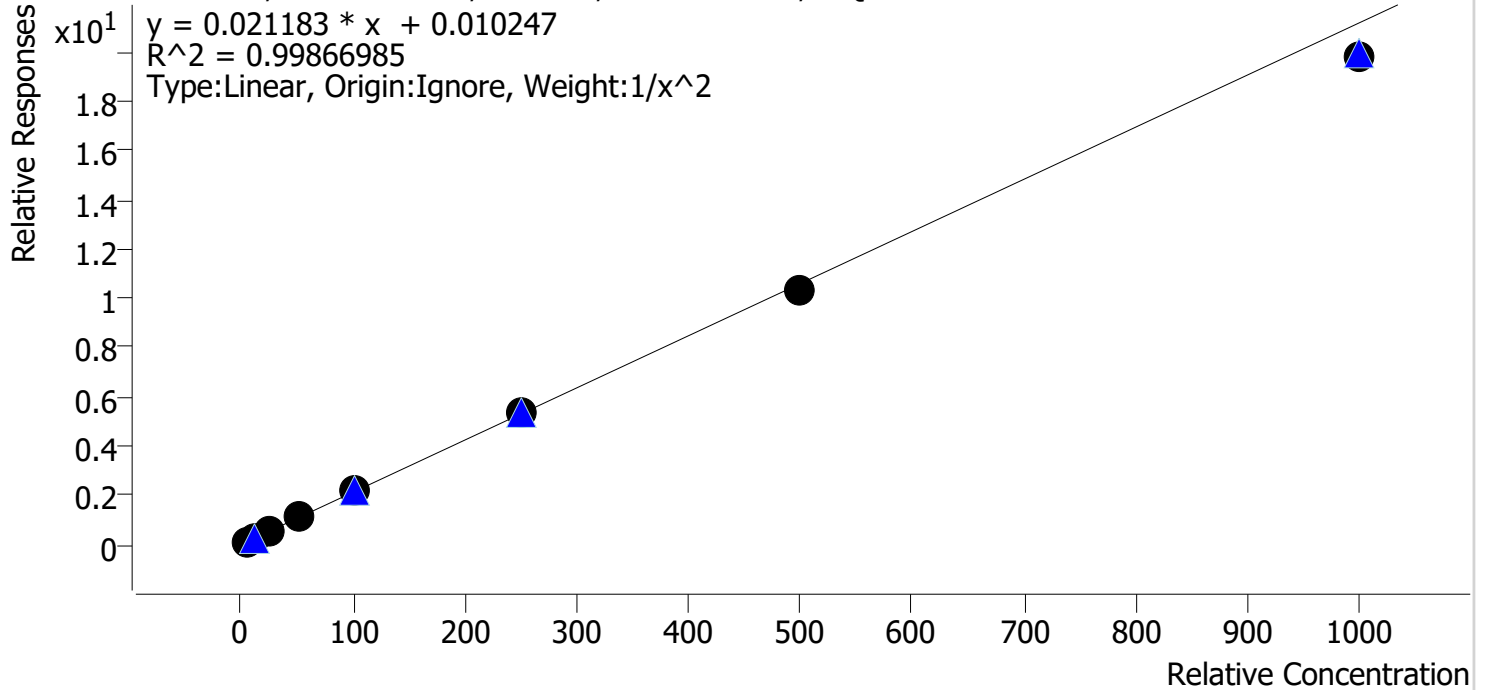
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.2
cal 2 mdqr	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	243.6	97.4
cal 7 mdq	7	✓	500.0	507.4	101.5
cal 8 mdq	8	✓	1000.0	1003.6	100.4

# Compound Calibration Report



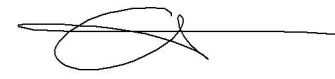
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

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



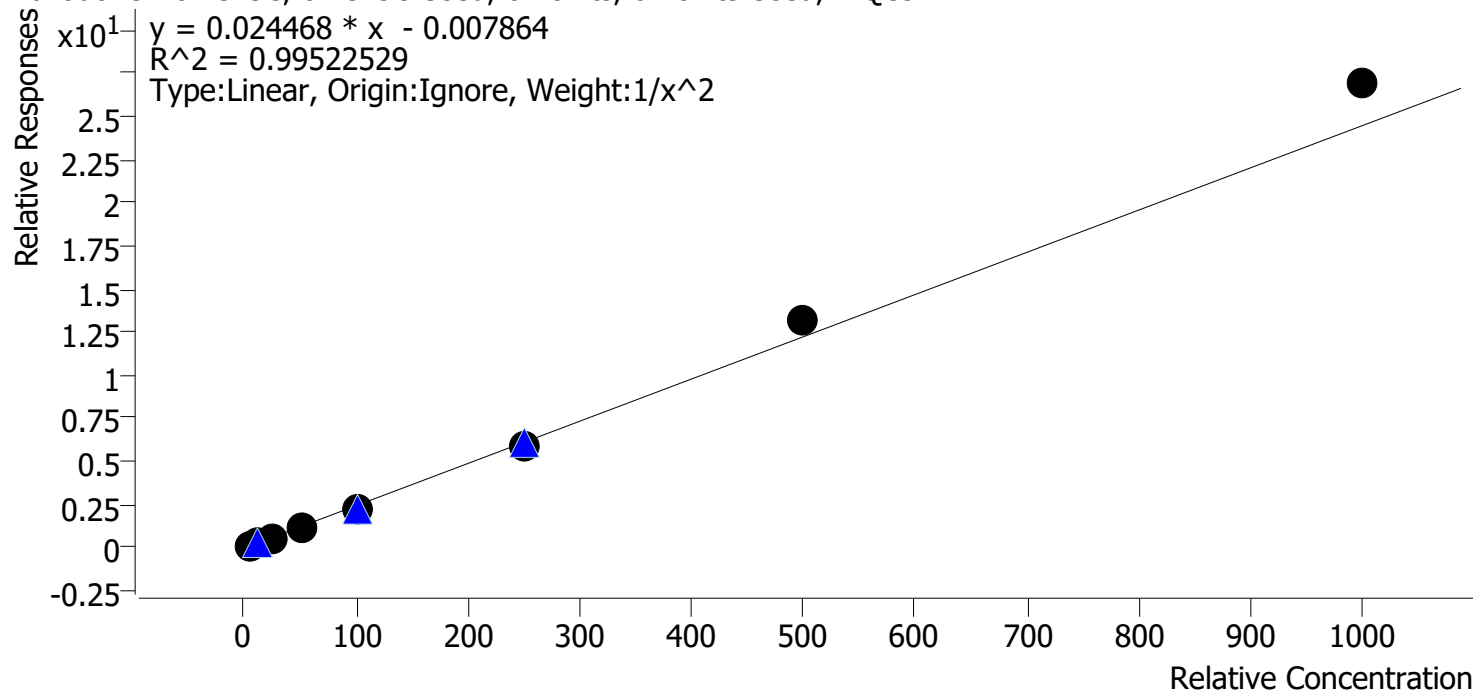
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdqr	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.6	102.2
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	490.7	98.1
cal 8 mdq	8	✓	1000.0	934.8	93.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



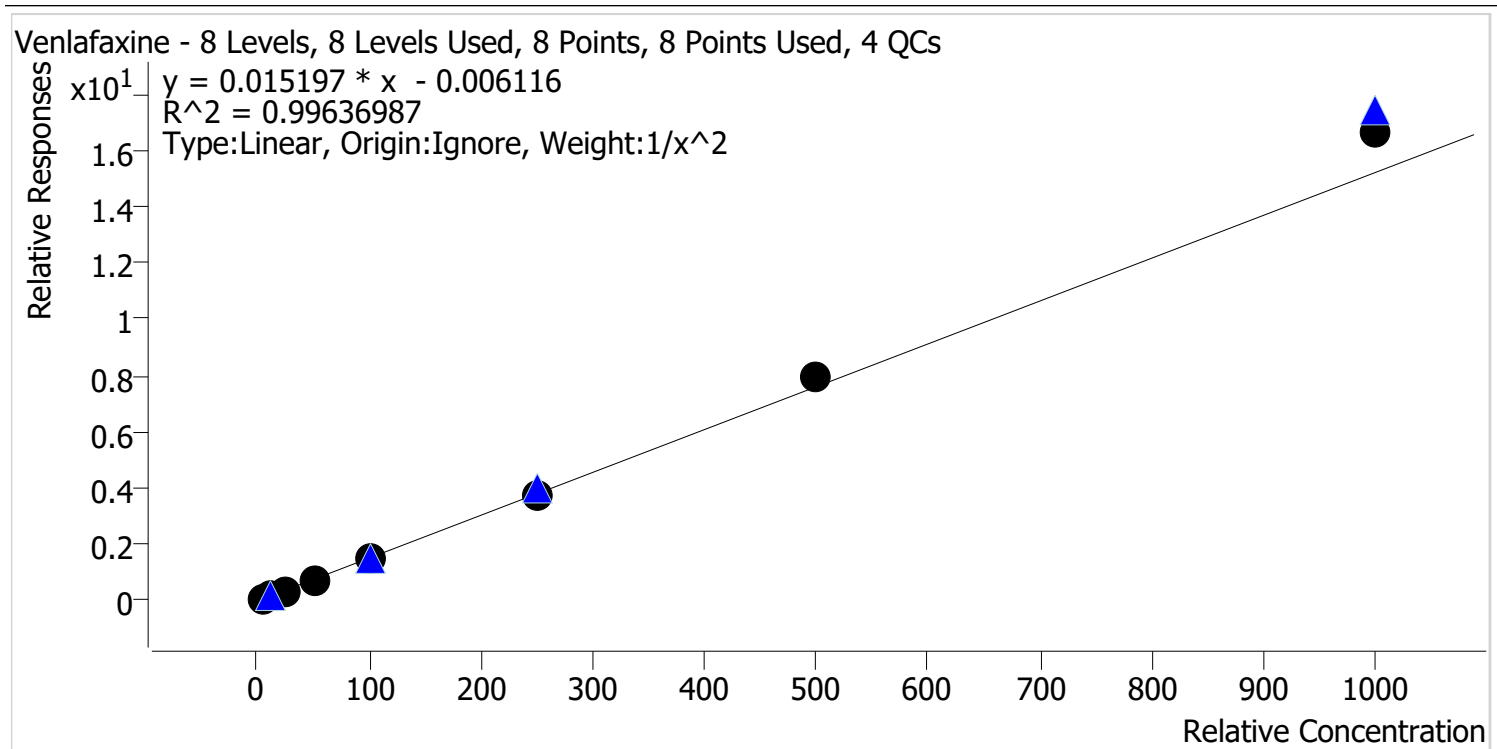
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdqr	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	23.6	94.3
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	94.8	94.8
cal 6 mdq	6	✓	250.0	244.9	98.0
cal 7 mdq	7	✓	500.0	535.4	107.1
cal 8 mdq	8	✓	1000.0	1100.9	110.1



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



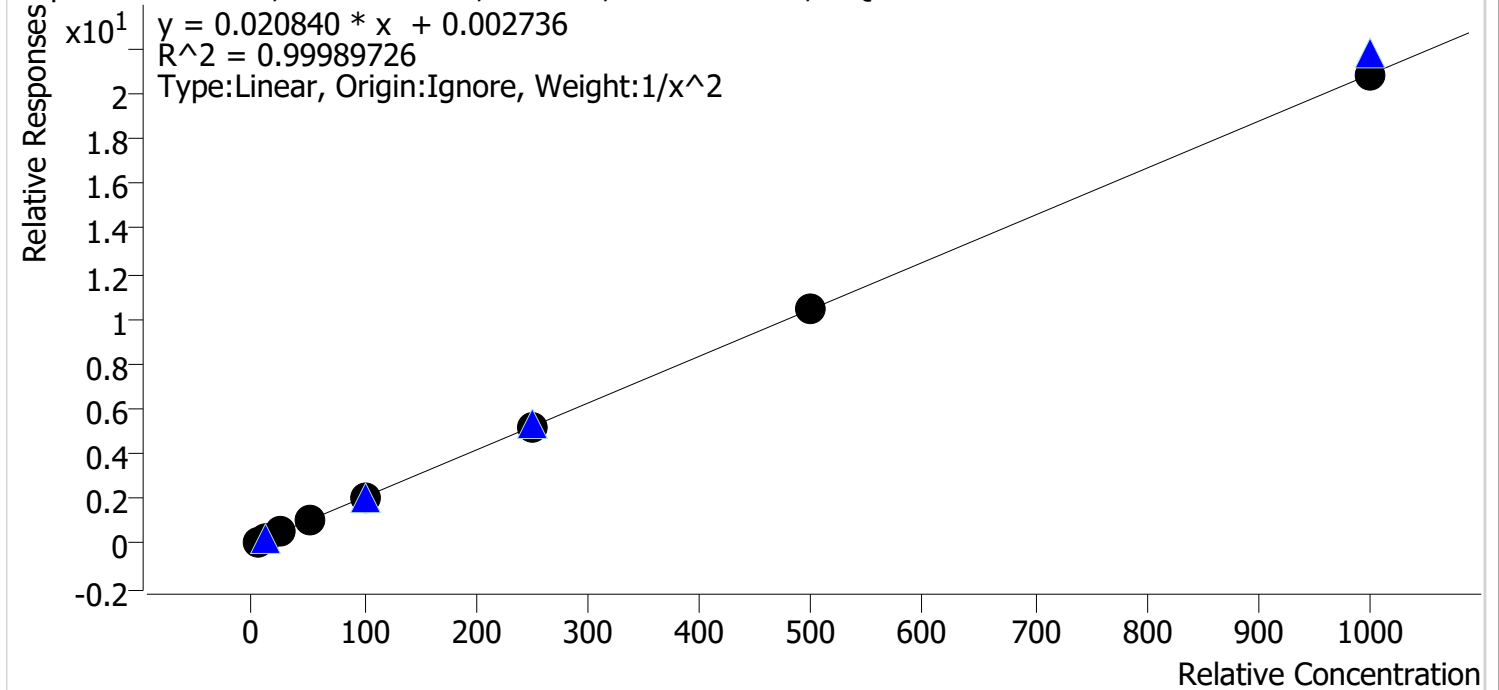
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdqr	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	23.7	94.7
cal 4 mdq	4	✓	50.0	48.0	96.1
cal 5 mdq	5	✓	100.0	95.4	95.4
cal 6 mdq	6	✓	250.0	246.4	98.6
cal 7 mdq	7	✓	500.0	526.8	105.4
cal 8 mdq	8	✓	1000.0	1092.8	109.3

# Compound Calibration Report



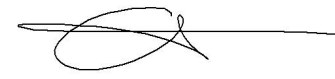
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



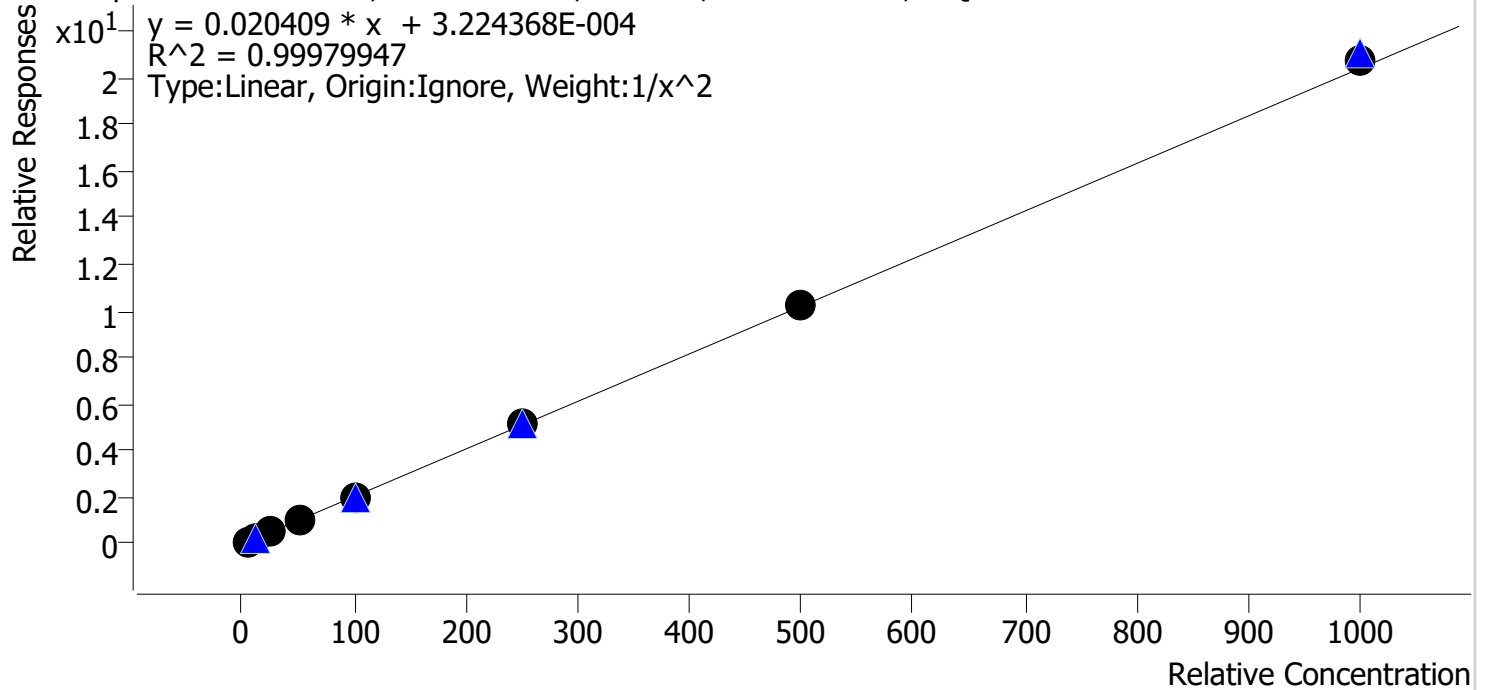
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdqr	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	500.8	100.2
cal 8 mdq	8	✓	1000.0	994.4	99.4

# Compound Calibration Report



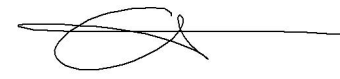
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



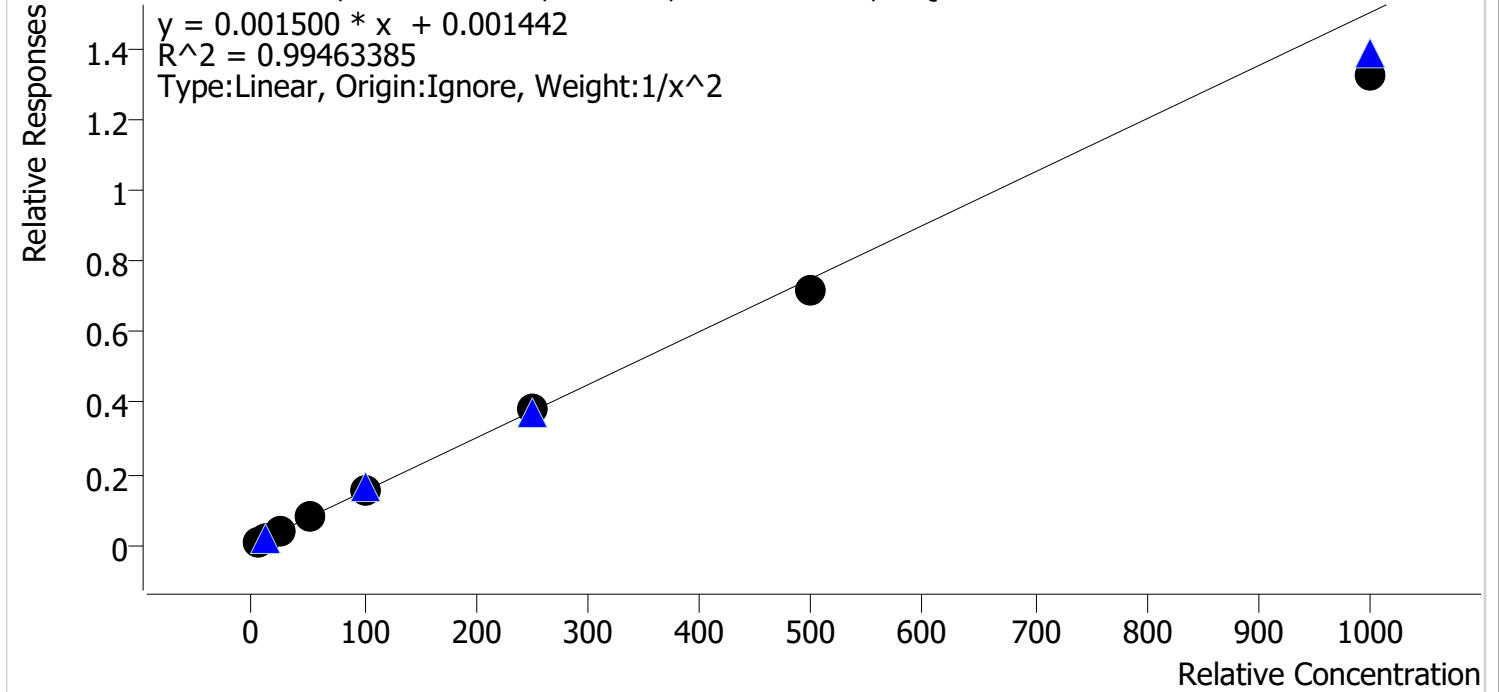
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdqr	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	503.9	100.8
cal 8 mdq	8	✓	1000.0	1016.8	101.7

# Compound Calibration Report



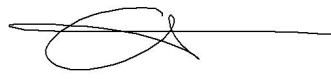
**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



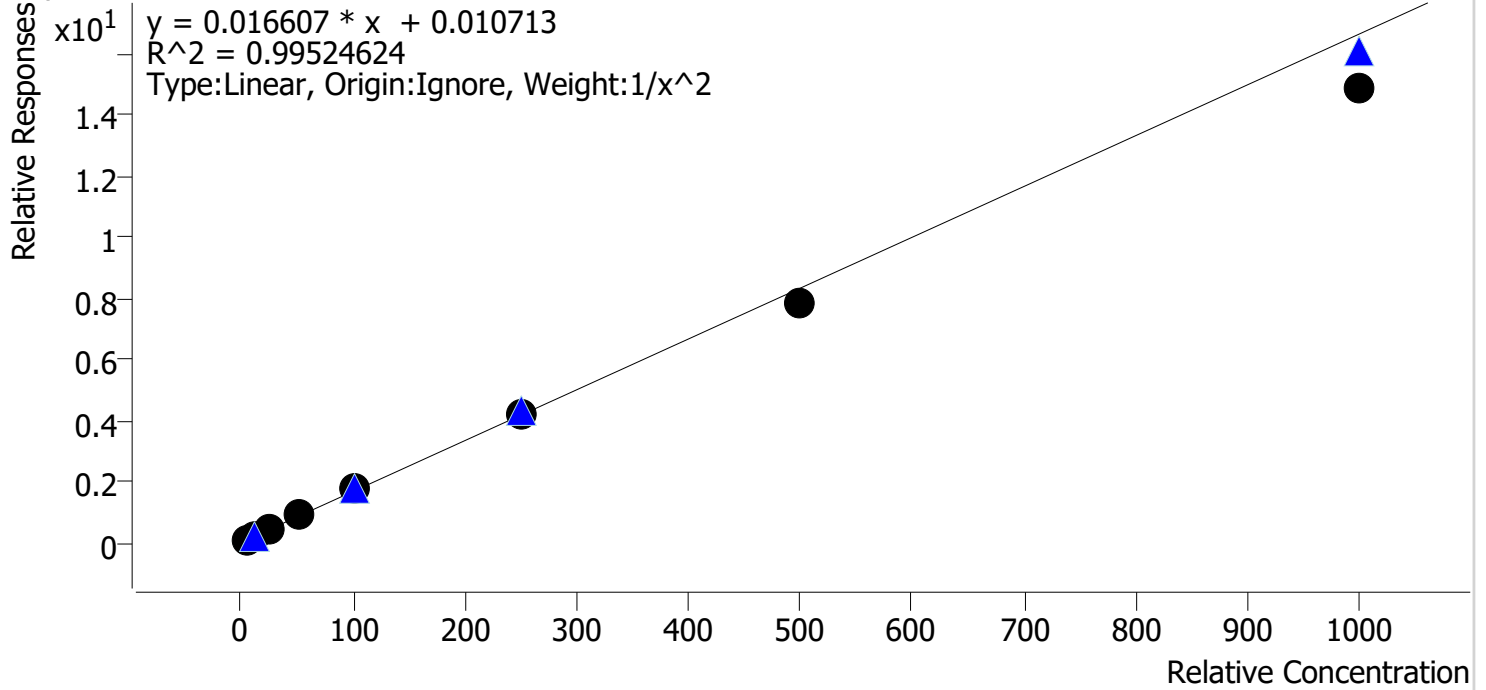
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdqr	2	✓	10.0	9.6	96.5
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	255.8	102.3
cal 7 mdq	7	✓	500.0	475.5	95.1
cal 8 mdq	8	✓	1000.0	885.1	88.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Last Cal. Update** 5/10/2022 11:50 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdqr	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	26.2	104.8
cal 4 mdq	4	✓	50.0	53.0	106.1
cal 5 mdq	5	✓	100.0	105.2	105.2
cal 6 mdq	6	✓	250.0	254.7	101.9
cal 7 mdq	7	✓	500.0	468.7	93.7
cal 8 mdq	8	✓	1000.0	893.4	89.3

# AM #28 Multi-Drug Quant. Results

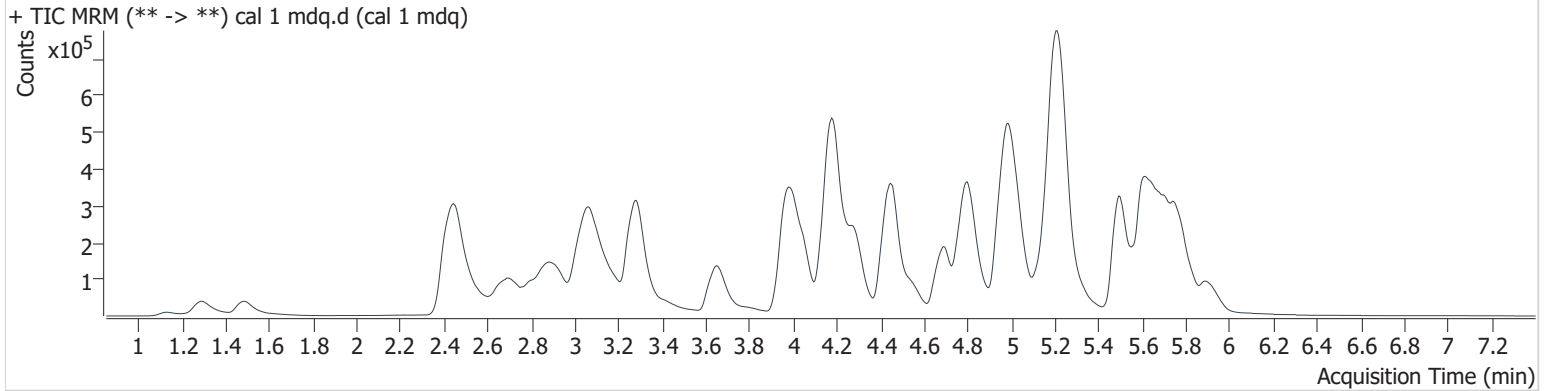
## Batch results

D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin

Calibration Last Update 5/10/2022 11:50:14 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>	3		
<b>Acq. Date-Time</b>	5/6/2022 10:24:28 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.053	1931	3696.7	128.0	3674.0	89515	0.509 ng/ml
7-aminoclonazepam	4.212	22282	∞	73.1	2820.8	164105	4.928 ng/ml
a-hydroxyalprazolam	5.654	4695	3109.7	46.9	2682.0	96592	5.022 ng/ml
alpha-PHP	4.856	77713	7383.3	39.8	2542.1	756679	5.073 ng/ml
alpha-PVP	4.287	102367	3547.9	54.3	2073.8	756679	5.069 ng/ml
Alprazolam	5.743	48835	∞	91.5	∞	316431	5.551 ng/ml
Amphetamine	2.929	70714	374.6	243.1	1436.9	524808	4.877 ng/ml
Buprenorphine	5.725	2569	∞	16.3	674.7	129255	0.451 ng/ml
Bupropion	4.706	92932	16574.6	71.5	1313.5	853533	5.063 ng/ml
Carisoprodol	5.703	25671	∞	74.2	340.0	244537	5.007 ng/ml
Citalopram	5.146	76582	1861.6	39.6	2089.5	654530	5.011 ng/ml
Clonazepam	5.576	26285	∞	35.1	40438.6	96592	4.987 ng/ml
Clonazolam	5.527	25333	∞	42.1	6656.8	626451	5.143 ng/ml
Cocaine	4.191	75459	∞	50.2	50969.3	1163572	5.002 ng/ml
Codeine	2.472	11333	1896.5	78.8	2847.6	98896	4.994 ng/ml
Cyclobenzaprine	5.588	74616	70046.8	7.6	153.5	431868	4.956 ng/ml
Dextromethorphan	5.200	51822	4313.5	75.7	108093.4	435750	5.059 ng/ml
Dextrorphan	4.048	63749	2250.6	45.4	21924.5	611362	5.319 ng/ml
Diazepam	5.922	29754	6896.8	83.2	102889.3	266922	5.003 ng/ml
Dihydrocodeine	2.451	27538	2473.6	58.5	680.6	300212	4.878 ng/ml
Diphenhydramine	5.227	215432	2841.8	30.9	876.6	2383433	5.066 ng/ml
Doxylamine	4.461	228430	∞	77.9	2459.3	1622817	5.030 ng/ml
EDDP	5.194	110646	1357.3	44.0	∞	1092709	5.065 ng/ml
Etizolam	5.773	21674	∞	24.3	6477.2	266922	4.886 ng/ml
Fentanyl	5.026	7119	∞	126.3	6505.9	707051	0.555 ng/ml
Flualprazolam	5.679	19226	385.6	95.1	4303.1	316431	5.046 ng/ml
Fluoxetine	5.675	63184	54619.4	7.1	∞	445475	5.114 ng/ml
Hydrocodone	2.921	29842	203.9	43.2	508.8	327259	5.227 ng/ml
Hydromorphone	1.493	23173	376.0	73.2	231.5	140397	5.061 ng/ml
Ketamine	3.976	71725	4116.1	35.6	314.9	653461	4.999 ng/ml
Lamotrigine	4.203	6310	∞	94.1	28880.1	451312	5.186 ng/ml
Levetiracetam	2.550	15504	662.6	162.9	1315.9	1738187	4.985 ng/ml
Lorazepam	5.722	14081	∞	41.8	286.3	290663	5.110 ng/ml

# AM #28 Multi-Drug Quant. Results

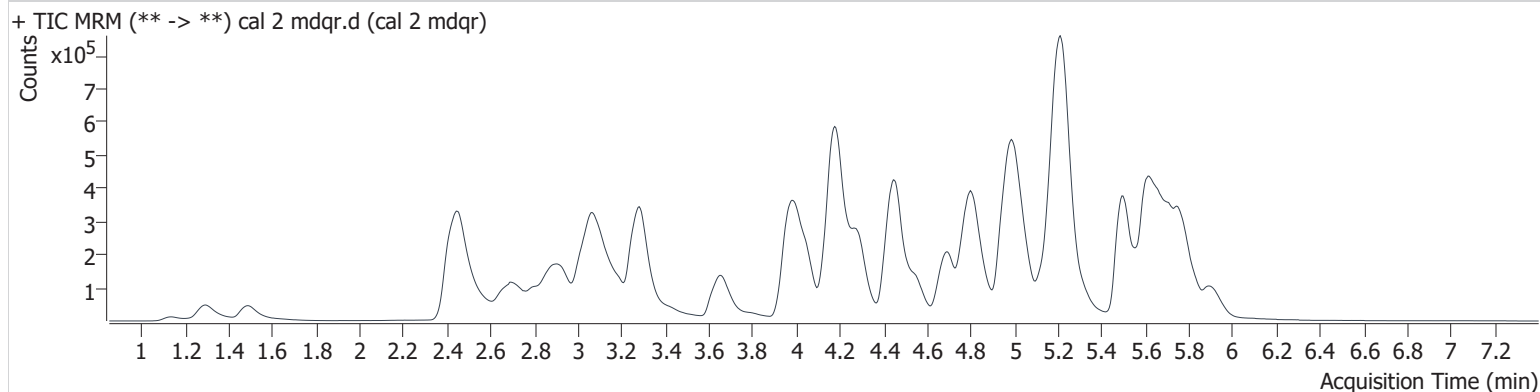
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.092	86588	8726.3	29.8	476.1	451312	4.940 ng/ml
MDMA	3.189	65734	4629.5	99.3	4326.0	113393	4.862 ng/ml
Meprobamate	4.857	19893	∞	24.6	191.7	244537	5.088 ng/ml
Methadone	5.623	125244	1828.8	53.0	3636.2	1088197	5.099 ng/ml
Methamphetamine	3.113	256356	848.5	41.5	1219.8	1112741	5.101 ng/ml
Metoprolol	4.259	15880	986.7	109.7	1558.7	524808	5.305 ng/ml
Mirtazapine	4.544	145025	4660.9	49.8	8523.1	1088197	5.064 ng/ml
Mitragynine	5.156	26024	∞	34.9	4044.6	1738187	4.894 ng/ml
Morphine	1.137	5236	483.3	21.4	225.9	13505	4.993 ng/ml
Norbuprenorphine	4.926	737	16764.9	86.5	705.8	26175	0.659 ng/ml
Nordiazepam	5.860	24574	∞	62.4	∞	171593	4.974 ng/ml
Norfentanyl	4.013	5457	180.5	34.0	3956.2	1210646	0.510 ng/ml
Norhydrocodone	2.963	1787	190.1	30.2	55.0	81103	10.371 ng/ml
Noroxycodone	2.798	22501	∞	52.7	∞	171348	4.931 ng/ml
O-desmethyl-tramadol	3.286	160926	6738.7	6.4	3655.6	1480627	5.053 ng/ml
Oxazepam	5.718	28489	2154.0	75.5	311.6	290663	5.132 ng/ml
Oxycodone	2.720	71778	∞	28.1	∞	560651	5.038 ng/ml
Oxymorphone	1.295	34004	∞	44.0	∞	227322	4.969 ng/ml
Phentermine	3.683	29880	156.6	11.0	516.3	705123	4.887 ng/ml
Promethazine	5.493	103469	19616.0	38.8	72427.6	1004890	5.124 ng/ml
Pseudoephedrine	2.459	180037	664.3	16.3	2933.6	1738187	5.059 ng/ml
Quetiapine	5.496	76370	16026.7	61.9	41796.1	253577	4.846 ng/ml
Sertraline	5.744	18410	14146.1	101.2	10356.4	152262	5.025 ng/ml
Temazepam	5.786	67945	6056.4	29.0	512.8	626451	5.462 ng/ml
Tramadol	4.177	167964	6660.2	3.2	144.3	1462341	4.938 ng/ml
Trazodone	5.036	98980	6622.2	77.9	1914.0	838952	5.143 ng/ml
Venlafaxine	4.970	114120	5525.5	36.2	904.0	1588852	5.129 ng/ml
Zolpidem	4.813	173669	9787.9	29.2	3664.1	1620108	5.013 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

**Instrument** 69679 **Data File** cal 2 mdqr.d  
**Type** Cal **Sample** cal 2 mdqr  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 3  
**Acq. Date-Time** 5/6/2022 10:33:31 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.058	3511	17789.4	132.4	1388.8	88598	0.983 ng/ml
7-aminoclonazepam	4.207	41518	1848.5	70.9	1012.6	150547	10.140 ng/ml
a-hydroxyalprazolam	5.654	8400	∞	53.3	923.5	91596	9.854 ng/ml
alpha-PHP	4.851	144039	40768.6	42.4	3732.9	745145	9.662 ng/ml
alpha-PVP	4.292	198620	122623.1	54.1	2573.1	745145	9.855 ng/ml
Alprazolam	5.748	89638	1706.2	92.8	3857.3	302433	9.990 ng/ml
Amphetamine	2.924	135790	934.8	266.5	2793.5	508878	10.242 ng/ml
Benzoylcegonine	3.815	3203	∞	53.0	65.4	10691	10.374 ng/ml
Buprenorphine	5.715	7803	7334.3	16.9	1757.1	123879	1.083 ng/ml
Bupropion	4.706	180680	7947.0	71.6	1387.2	840167	9.895 ng/ml
Carisoprodol	5.709	49240	275289.8	70.8	423.0	234077	9.954 ng/ml
Citalopram	5.156	146921	2587.4	38.4	3308.3	636075	10.037 ng/ml
Clonazepam	5.586	48233	18957.0	37.5	63163.5	91596	9.960 ng/ml
Clonazolam	5.522	52704	46367.2	37.2	53243.7	607409	9.791 ng/ml
Cocaine	4.191	146379	30151.5	49.4	12358.7	1153846	9.984 ng/ml
Codeine	2.472	20466	3509.4	97.4	3030.3	95006	9.797 ng/ml
Cyclobenzaprine	5.588	145502	1738.5	8.8	∞	414148	10.189 ng/ml
Dextromethorphan	5.194	100932	1039.7	77.1	∞	421243	10.086 ng/ml
Dextrorphan	4.048	124442	3441.7	44.4	∞	613148	10.050 ng/ml
Diazepam	5.917	55627	∞	88.7	∞	256560	9.966 ng/ml
Dihydrocodeine	2.446	52515	2336.8	61.1	1268.6	293302	10.136 ng/ml
Diphenhydramine	5.221	415268	14292.6	31.3	8157.5	2356295	9.861 ng/ml
Doxylamine	4.461	443201	7680.0	78.2	9867.5	1607618	9.926 ng/ml
EDDP	5.194	214822	18685.7	42.3	∞	1084100	9.864 ng/ml
Etizolam	5.784	40534	25199.5	24.9	5088.2	256560	10.197 ng/ml
Fentanyl	5.031	14132	88914.4	113.3	∞	754789	0.977 ng/ml
Flualprazolam	5.669	35907	∞	96.3	∞	302433	9.807 ng/ml
Fluoxetine	5.680	113089	6835631.7	6.7	28024.2	429288	9.619 ng/ml
Hydrocodone	2.926	53272	378.1	40.9	∞	321652	9.294 ng/ml
Hydromorphone	1.493	43278	597.3	72.1	495.4	133379	9.848 ng/ml
Ketamine	3.976	136140	3443.3	37.5	3507.3	647996	9.963 ng/ml
Lamotrigine	4.188	11651	13054.9	91.4	7148.1	438428	9.315 ng/ml
Levetiracetam	2.555	26862	2203.7	157.4	2937.9	1687765	9.649 ng/ml



# AM #28 Multi-Drug Quant. Results

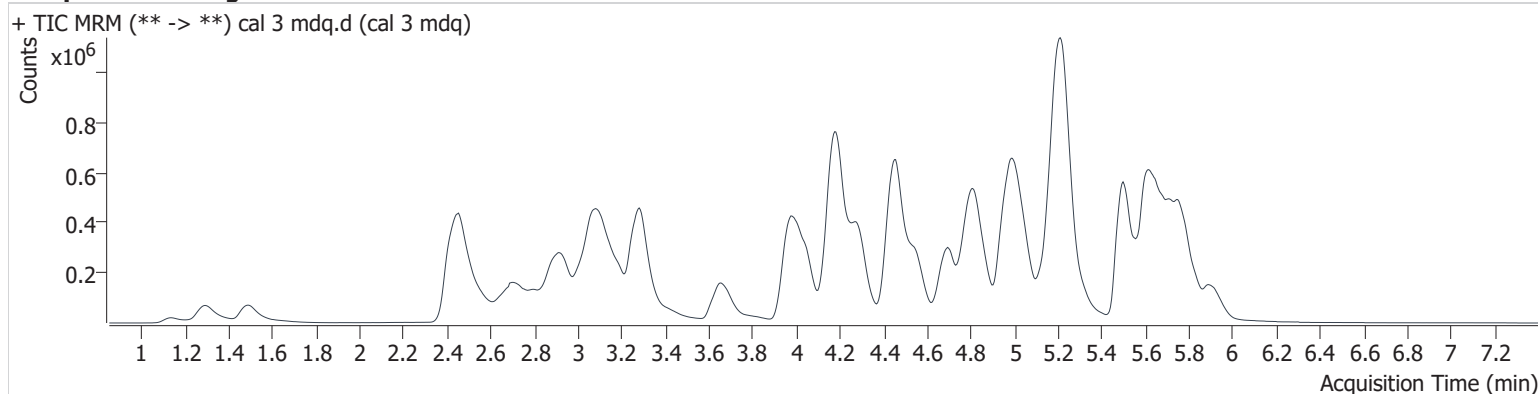
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.711	23483	∞	41.6	276.5	270143	9.659 ng/ml
MDA	3.092	164186	∞	29.4	∞	438428	10.088 ng/ml
MDMA	3.189	125719	14725.6	98.6	6327.1	111715	10.226 ng/ml
Meprobamate	4.847	38607	56990.1	31.5	547.0	234077	9.794 ng/ml
Methadone	5.623	247998	1561.3	55.4	9825.0	1083632	9.882 ng/ml
Methamphetamine	3.108	343973	2067.0	45.8	461.8	1084840	9.198 ng/ml
Metoprolol	4.259	30373	3078.1	104.5	2956.3	508878	9.811 ng/ml
Mirtazapine	4.549	282784	11715.7	48.7	11125.4	1083632	9.743 ng/ml
Mitragynine	5.161	50280	31139.0	35.8	22060.3	1687765	10.343 ng/ml
Morphine	1.137	9982	1312.0	23.4	142.5	13067	10.068 ng/ml
Norbuprenorphine	4.916	1153	1687.3	102.6	658.9	26108	1.003 ng/ml
Nordiazepam	5.860	46679	∞	59.2	50941.4	163360	10.098 ng/ml
Norfentanyl	4.008	9649	328765.1	35.3	299.2	1184176	0.942 ng/ml
Norhydrocodone	2.968	3582	237.3	25.0 <b>Low</b>	421.5	79530	13.894 ng/ml
Noroxycodone	2.793	46763	∞	47.8	∞	162975	10.371 ng/ml
O-desmethyl-tramadol	3.286	309927	116507.5	6.5	1688.2	1463842	9.888 ng/ml
Oxazepam	5.723	49501	2335.5	70.6	209.4	270143	9.525 ng/ml
Oxycodone	2.720	136891	∞	30.4	∞	559693	9.795 ng/ml
Oxymorphone	1.295	67903	∞	43.9	∞	231829	10.021 ng/ml
Phentermine	3.689	59209	∞	10.3	∞	688172	10.370 ng/ml
Promethazine	5.498	197036	∞	39.0	1503.8	987476	9.646 ng/ml
Pseudoephedrine	2.459	339032	1775.2	16.3	1371.0	1687765	9.827 ng/ml
Quetiapine	5.490	158560	∞	59.1	68500.0	246186	10.473 ng/ml
Sertraline	5.738	35224	88356.9	97.9	∞	145344	10.049 ng/ml
Temazepam	5.791	127221	3910.6	28.7	934.6	607409	10.048 ng/ml
Tramadol	4.177	322536	14243.7	3.9	342.0	1442045	10.075 ng/ml
Trazodone	5.036	188855	3066.5	77.9	26207.3	815129	9.790 ng/ml
Venlafaxine	4.970	224114	6075.5	37.7	1069.5	1568052	9.807 ng/ml
Zolpidem	4.813	329927	23803.8	29.1	∞	1573944	9.927 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 10:42:33 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.053	8181	12574.6	133.4	10764.1	87928	2.387 ng/ml
7-aminoclonazepam	4.202	111617	1635.8	72.5	13300.3	162162	25.499 ng/ml
a-hydroxyalprazolam	5.664	22027	558.0	53.3	1371.3	96063	25.278 ng/ml
alpha-PHP	4.856	377126	5397.1	39.7	4049.7	763098	24.903 ng/ml
alpha-PVP	4.292	506722	228389.8	54.4	13612.8	763098	24.345 ng/ml
Alprazolam	5.738	229684	1993.4	91.0	2171.3	297225	24.875 ng/ml
Amphetamine	2.924	333470	12473.3	255.6	11271.4	509098	26.009 ng/ml
Benzoylcegonine	3.815	7528	218508.3	61.8	164.3	11522	21.524 ng/ml
Buprenorphine	5.720	20915	72004.2	13.8	2825.7	126777	2.578 ng/ml
Bupropion	4.706	457740	91805.2	72.5	7513.9	861322	24.292 ng/ml
Carisoprodol	5.709	121167	∞	67.1	3214.9	225960	25.252 ng/ml
Citalopram	5.156	360869	7439.7	39.5	86752.3	642910	24.604 ng/ml
Clonazepam	5.581	121873	335172.9	36.1	88663.3	96063	24.464 ng/ml
Clonazepam	5.522	131704	165299.7	37.2	9505.9	607643	22.830 ng/ml
Cocaine	4.191	374979	33271.9	49.9	134643.7	1188975	25.130 ng/ml
Codeine	2.472	52782	4275.6	92.3	6406.2	94993	26.006 ng/ml
Cyclobenzaprine	5.588	364723	149274.0	7.9	3612.8	426786	24.938 ng/ml
Dextromethorphan	5.200	249701	14050.2	78.5	119742.2	420207	24.860 ng/ml
Dextrophan	4.048	319391	∞	44.2	286711.9	623684	24.871 ng/ml
Diazepam	5.922	142963	4755.7	83.5	3349.6	265462	25.123 ng/ml
Dihydrocodeine	2.446	132284	1182.9	61.5	2510.5	296668	26.204 ng/ml
Diphenhydramine	5.227	1025807	15252.7	31.9	13147.2	2335882	24.546 ng/ml
Doxylamine	4.461	1149987	15694.2	78.1	67848.7	1676294	24.816 ng/ml
EDDP	5.194	560628	∞	44.3	3385347.2	1139841	24.410 ng/ml
Etizolam	5.789	101828	∞	25.8	∞	265462	25.800 ng/ml
Fentanyl	5.026	38104	25105.5	105.7	15676.6	760173	2.508 ng/ml
Flualprazolam	5.674	90372	1108.6	91.9	1707.7	297225	25.027 ng/ml
Fluoxetine	5.675	281914	81512.6	6.9	6039.1	420436	24.702 ng/ml
Hydrocodone	2.916	152489	1736.2	37.4	223.8	330958	25.420 ng/ml
Hydromorphone	1.498	112184	732.6	72.2	252.7	137036	24.688 ng/ml
Ketamine	3.976	343001	10247.4	37.8	1335.4	667320	24.996 ng/ml
Lamotrigine	4.198	30977	2406.6	92.9	2141.7	432178	24.104 ng/ml
Levetiracetam	2.555	70285	4919.6	160.6	11236.6	1712127	26.406 ng/ml

# AM #28 Multi-Drug Quant. Results

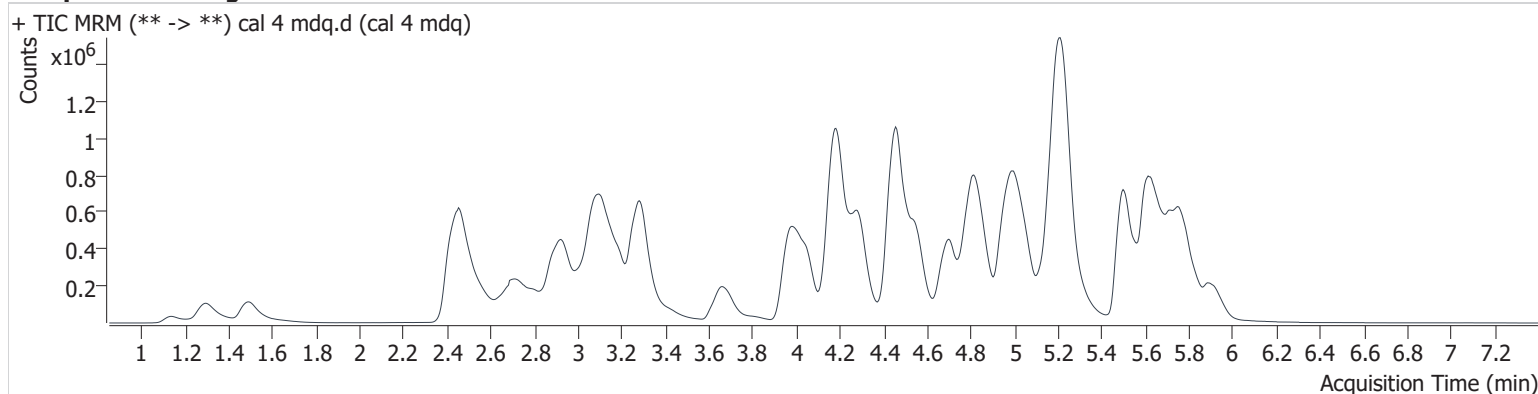
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.722	54531	∞	48.0	∞	256942	24.472 ng/ml
MDA	3.087	398177	13173.0	28.3	4659.3	432178	25.502 ng/ml
MDMA	3.189	318181	∞	98.6	40363.8	111374	27.245 ng/ml
Meprobamate	4.852	94951	64595.4	28.9	9703.9	225960	24.166 ng/ml
Methadone	5.623	610611	∞	57.1	5078.4	1085026	23.918 ng/ml
Methamphetamine	3.113	767644	2001.5	44.8	2806.3	1118231	26.656 ng/ml
Metoprolol	4.259	79819	4984.4	94.8	11158.4	509098	24.677 ng/ml
Mirtazapine	4.544	737526	141260.6	48.8	15240.4	1085026	25.088 ng/ml
Mitragynine	5.161	125775	110664.3	31.8	9099.1	1712127	26.403 ng/ml
Morphine	1.137	25225	2065.1	27.4	614.3	13680	24.635 ng/ml
Norbuprenorphine	4.942	2750	2941.3	111.4	∞	25193	2.404 ng/ml
Nordiazepam	5.860	118139	∞	62.3	73342.9	168924	24.966 ng/ml
Norfentanyl	4.008	26410	736.5	36.3	14748.7	1203228	2.577 ng/ml
Norhydrocodone	2.968	9708	354.5	29.0	295.2	78739	25.875 ng/ml
Noroxycodone	2.793	114948	∞	43.7	∞	163414	24.931 ng/ml
O-desmethyl-tramadol	3.286	781261	127537.6	6.5	169946.0	1491488	24.535 ng/ml
Oxazepam	5.723	120993	10742.0	70.5	1467.7	256942	24.352 ng/ml
Oxycodone	2.720	353448	∞	29.6	∞	567595	25.228 ng/ml
Oxymorphone	1.295	170837	∞	44.6	∞	235521	25.265 ng/ml
Phentermine	3.689	144967	4979.4	10.3	1766.4	702218	25.491 ng/ml
Promethazine	5.498	515732	150729.7	39.0	8847.5	993552	24.610 ng/ml
Pseudoephedrine	2.459	863161	7460.9	16.6	12211.3	1712127	24.687 ng/ml
Quetiapine	5.496	383881	∞	62.6	4465.1	246361	25.475 ng/ml
Sertraline	5.738	83354	59553.5	100.8	425486.7	141843	24.335 ng/ml
Temazepam	5.786	316769	46708.5	29.1	19775.8	607643	24.209 ng/ml
Tramadol	4.177	813116	29514.9	3.7	1269.5	1473888	25.560 ng/ml
Trazodone	5.036	464833	88850.2	80.3	80485.3	816788	23.581 ng/ml
Venlafaxine	4.975	556495	158673.0	38.4	4093434468 8056.9	1573819	23.670 ng/ml
Zolpidem	4.813	838344	37901.6	29.0	21924.4	1602210	24.977 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

**Instrument** 69679 **Data File** cal 4 mdq.d  
**Type** Cal **Sample** cal 4 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 3  
**Acq. Date-Time** 5/6/2022 10:51:35 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.048	16789	10203.0	135.0	21026.8	87413	4.990 ng/ml
7-aminoclonazepam	4.207	197769	7463.6	74.3	2635.5	141548	51.890 ng/ml
a-hydroxyalprazolam	5.659	39296	57967.0	56.0	2703.5	83736	52.181 ng/ml
alpha-PHP	4.856	764731	10678.4	39.9	4997.8	760902	50.777 ng/ml
alpha-PVP	4.287	1029445	28254.5	53.7	28551.8	760902	49.459 ng/ml
Alprazolam	5.743	434529	1135.3	93.8	2555.3	296061	46.590 ng/ml
Amphetamine	2.929	639950	12294.5	250.3	5721.2	491671	52.271 ng/ml
Benzoylcegonine	3.825	18463	∞	53.9	490.1	11200	52.889 ng/ml
Buprenorphine	5.709	36755	5521.9	15.0	4201.1	114955	4.848 ng/ml
Bupropion	4.706	928369	78292.0	71.0	9527.9	858644	49.309 ng/ml
Carisoprodol	5.709	230934	181796.3	69.0	12142.3	219725	49.417 ng/ml
Citalopram	5.156	678592	4198.8	39.6	59298.2	603969	49.398 ng/ml
Clonazepam	5.581	231573	77805.4	34.8	585218.1	83736	53.718 ng/ml
Clonazepam	5.527	265717	232534.3	38.0	∞	559200	48.754 ng/ml
Cocaine	4.191	752023	57284.1	50.2	19590.9	1212759	49.610 ng/ml
Codeine	2.472	101784	31794.0	89.6	6893.5	94962	50.600 ng/ml
Cyclobenzaprine	5.588	508946	115249.0	8.8	92392.0	302080	49.269 ng/ml
Dextromethorphan	5.200	461715	8175.6	76.0	119004.8	397166	48.534 ng/ml
Dextrophan	4.048	633383	523767.5	45.0	11553.0	625067	48.901 ng/ml
Diazepam	5.917	277239	∞	86.5	∞	258580	50.262 ng/ml
Dihydrocodeine	2.451	267144	1976.2	61.7	1970.6	299619	53.043 ng/ml
Diphenhydramine	5.227	1953310	83604.8	32.2	20446.3	2241175	48.697 ng/ml
Doxylamine	4.461	2357244	45347.6	78.5	44761.4	1711777	49.892 ng/ml
EDDP	5.194	1132976	32122.7	44.4	516456.9	1139709	49.285 ng/ml
Etizolam	5.784	197135	∞	25.9	30420.6	258580	51.999 ng/ml
Fentanyl	5.031	64502	∞	113.6	80503.6	668276	4.771 ng/ml
Flualprazolam	5.674	180173	11590.1	91.5	4421.6	296061	50.036 ng/ml
Fluoxetine	5.680	283276	6328.8	6.8	10771.8	212797	49.181 ng/ml
Hydrocodone	2.921	244306	411.3	45.3	331.1	307345	43.677 ng/ml
Hydromorphone	1.493	231062	1352.2	72.5	733.1	141311	49.207 ng/ml
Ketamine	3.976	700348	40799.6	38.4	11364.6	675833	50.832 ng/ml
Lamotrigine	4.193	61600	44197.1	88.6	∞	406049	50.343 ng/ml
Levetiracetam	2.555	144024	9797.2	161.0	10849.2	1754121	53.777 ng/ml

# AM #28 Multi-Drug Quant. Results

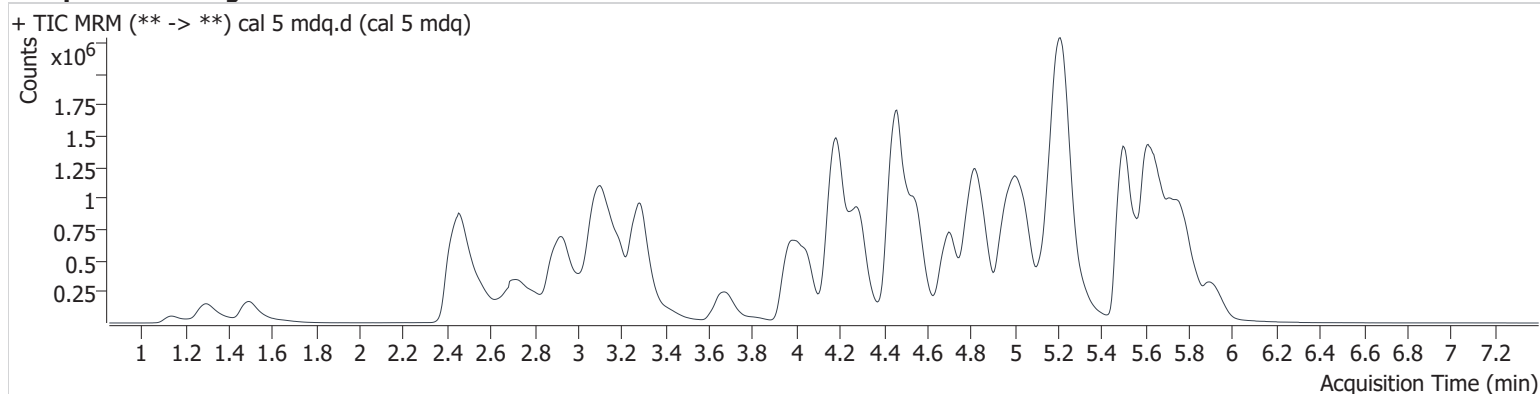
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.722	89703	∞	46.4	∞	213714	49.002 ng/ml
MDA	3.087	749115	5141.8	28.1	15458.2	406049	51.535 ng/ml
MDMA	3.189	639757	24276.4	97.5	7422.0	133048	46.428 ng/ml
Meprobamate	4.852	187791	2371403.0	29.3	4730.6	219725	48.626 ng/ml
Methadone	5.623	1149557	65197.9	55.9	13182.8	1023620	47.470 ng/ml
Methamphetamine	3.113	1416212	3950.4	40.5	1549.1	1140738	52.885 ng/ml
Metoprolol	4.259	152312	10171.6	95.4	10986.1	491671	48.103 ng/ml
Mirtazapine	4.544	1426411	194852.0	48.7	15063023.6	1023620	51.244 ng/ml
Mitragynine	5.161	215206	51469.9	34.2	105564.6	1754121	44.505 ng/ml
Morphine	1.137	52747	4521.8	23.3	1429.1	14122	50.144 ng/ml
Norbuprenorphine	4.931	5635	62582.1	90.3	9136.4	23315	5.259 ng/ml
Nordiazepam	5.860	228130	∞	62.4	166024.0	162398	50.323 ng/ml
Norfentanyl	4.008	52124	7277.3	36.6	65777.0	1199509	5.126 ng/ml
Norhydrocodone	2.957	22082	1732.6	29.0	611.4	83836	47.325 ng/ml
Noroxycodone	2.798	222962	∞	46.3	∞	161405	48.632 ng/ml
O-desmethyl-tramadol	3.286	1649384	∞	6.4	∞	1560383	49.560 ng/ml
Oxazepam	5.723	211054	7284.7	70.3	1661.9	213714	50.985 ng/ml
Oxycodone	2.720	700044	∞	29.8	∞	566029	50.290 ng/ml
Oxymorphone	1.295	349416	∞	44.0	∞	238888	51.257 ng/ml
Phentermine	3.683	288496	1441.5	10.3	1658.0	716253	50.149 ng/ml
Promethazine	5.493	750259	921468.5	40.0	9942.2	735198	48.090 ng/ml
Pseudoephedrine	2.459	1777046	73988.1	16.5	7460.7	1754121	49.624 ng/ml
Quetiapine	5.501	753447	282391.6	60.4	350287.4	240394	51.339 ng/ml
Sertraline	5.738	67231	∞	101.9	45952.1	56986	48.831 ng/ml
Temazepam	5.791	589626	11137.2	28.9	1131.3	559200	48.416 ng/ml
Tramadol	4.177	1673783	∞	3.7	∞	1517807	51.575 ng/ml
Trazodone	5.041	880888	27333.8	80.2	83376.5	763390	47.482 ng/ml
Venlafaxine	4.970	1164621	43493.0	37.7	8784.3	1608455	48.048 ng/ml
Zolpidem	4.813	1716531	59360.0	29.0	163459.8	1613959	50.904 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 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** 3  
**Acq. Date-Time** 5/6/2022 11:00:37 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.048	29487	71834.0	136.3	39928.1	76836	10.028 ng/ml
7-aminoclonazepam	4.207	377404	22875.8	75.7	10353.0	141230	99.362 ng/ml
a-hydroxyalprazolam	5.654	58707	743.9	55.3	970.7	69258	94.597 ng/ml
alpha-PHP	4.856	1447365	10977.5	39.6	113764.7	712607	102.747 ng/ml
alpha-PVP	4.292	1931080	862122.2	53.0	110056.6	712607	98.927 ng/ml
Alprazolam	5.738	787728	∞	89.9	∞	254004	97.634 ng/ml
Amphetamine	2.929	1107364	22337.9	245.2	19179.9	440072	101.610 ng/ml
Benzoylcegonine	3.815	35656	49797.1	50.9	1653.8	10467	108.309 ng/ml
Buprenorphine	5.715	75163	46270.0	15.5	7726.5	117250	9.559 ng/ml
Bupropion	4.706	1795650	174688.5	71.5	31891.2	832653	98.242 ng/ml
Carisoprodol	5.703	364999	1390548.5	67.4	∞	171358	100.070 ng/ml
Citalopram	5.151	1353635	79899.4	41.0	59833.1	597757	99.713 ng/ml
Clonazepam	5.576	369369	3637.4	34.1	∞	69258	103.901 ng/ml
Clonazepam	5.527	451794	17379.2	38.2	4991.4	459946	99.626 ng/ml
Cocaine	4.191	1368560	111037.6	50.2	86156.8	1094565	100.243 ng/ml
Codeine	2.472	176395	12887.1	90.0	21504.8	79829	104.809 ng/ml
Cyclobenzaprine	5.588	1408750	234783.0	8.4	∞	402103	102.569 ng/ml
Dextromethorphan	5.194	947313	22717.2	75.1	16889.7	398920	99.032 ng/ml
Dextrophan	4.048	1196697	∞	45.0	5176679.6	590606	97.463 ng/ml
Diazepam	5.917	510024	∞	87.3	4947.5	242433	98.862 ng/ml
Dihydrocodeine	2.446	481084	3036.5	61.1	3485.8	273612	105.228 ng/ml
Diphenhydramine	5.227	3892494	130804.7	31.5	48477.9	2190261	99.280 ng/ml
Doxylamine	4.461	4395108	60518.8	79.7	93820.0	1626164	97.996 ng/ml
EDDP	5.194	2025349	89630.6	43.4	154575.7	1008827	99.483 ng/ml
Etizolam	5.789	377657	11374.5	25.4	36424.3	242433	107.013 ng/ml
Fentanyl	5.031	148034	60937.7	111.5	110823.3	742174	9.791 ng/ml
Flualprazolam	5.674	307761	∞	94.5	5456.6	254004	99.566 ng/ml
Fluoxetine	5.675	1032127	93787.7	6.9	∞	381672	100.052 ng/ml
Hydrocodone	2.916	540943	466.8	36.0	727.9	310826	95.336 ng/ml
Hydromorphone	1.493	408679	1791.1	73.5	2519.9	124707	98.516 ng/ml
Ketamine	3.976	1297248	271665.5	38.4	9916.6	635559	100.540 ng/ml
Lamotrigine	4.193	110628	21499.8	88.2	2570.4	352503	103.503 ng/ml
Levetiracetam	2.555	257453	13924.3	157.6	62860.2	1624503	104.695 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.727	118887	∞	46.7	734.8	138641	100.755 ng/ml
MDA	3.087	1269694	93143.3	28.0	19812.7	352503	101.062 ng/ml
MDMA	3.189	1198706	160708.9	97.3	26105.3	104917	111.467 ng/ml
Meprobamate	4.852	309098	147529.7	30.1	1819.1	171358	102.064 ng/ml
Methadone	5.623	2529017	510589.8	54.4	85089.8	1081973	98.520 ng/ml
Methamphetamine	3.113	2484697	13038.2	42.0	117809.6	1084645	102.474 ng/ml
Metoprolol	4.259	273302	19202.1	96.8	7679.5	440072	95.759 ng/ml
Mirtazapine	4.544	2784267	1464525.6	49.0	17544.8	1081973	94.478 ng/ml
Mitragynine	5.156	479810	198419.3	34.0	78040.5	1624503	108.006 ng/ml
Morphine	1.137	90706	8388.5	23.1	2151.6	12163	100.352 ng/ml
Norbuprenorphine	4.926	10769	6157.1	95.0	63390.5	22758	10.246 ng/ml
Nordiazepam	5.860	399738	∞	62.7	12581.1	143573	99.911 ng/ml
Norfentanyl	4.008	93231	5303.2	37.8	62492.8	1105561	9.970 ng/ml
Norhydrocodone	2.968	46212	1242.5	33.0	400.6	79692	95.783 ng/ml
Noroxycodone	2.798	395712	∞	46.1	∞	142891	97.153 ng/ml
O-desmethyl-tramadol	3.286	3109525	1001397.3	6.5	46059.6	1475551	98.854 ng/ml
Oxazepam	5.728	269449	184415.0	74.1	∞	138641	100.260 ng/ml
Oxycodone	2.720	1260856	∞	29.2	∞	509568	100.802 ng/ml
Oxymorphone	1.295	620314	∞	44.8	∞	215359	101.232 ng/ml
Phentermine	3.683	542555	793.7	10.0	1326.0	680095	99.753 ng/ml
Promethazine	5.498	2078304	54659.6	38.8	11480.3	985419	99.067 ng/ml
Pseudoephedrine	2.459	3299309	10561.1	16.4	698659.2	1624503	99.500 ng/ml
Quetiapine	5.501	1481218	3525499.5	62.1	886810.9	237415	102.291 ng/ml
Sertraline	5.738	348089	∞	97.2	1100070.0	143131	100.636 ng/ml
Temazepam	5.791	980651	21446.9	29.5	3685.8	459946	97.352 ng/ml
Tramadol	4.172	3099330	∞	3.6	16093.0	1420307	102.530 ng/ml
Trazodone	5.041	1861717	228992.0	80.6	193784.5	805101	94.829 ng/ml
Venlafaxine	4.965	2195868	81242.9	38.5	13586.8	1521482	95.373 ng/ml
Zolpidem	4.813	3190323	166938.6	29.3	322968.8	1545469	98.925 ng/ml

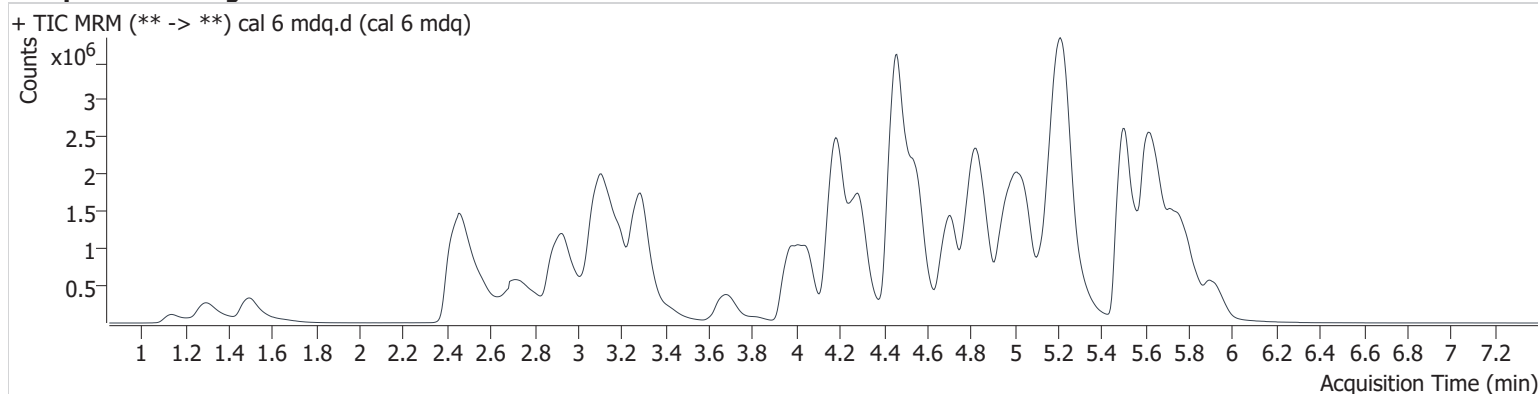


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 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** 3  
**Acq. Date-Time** 5/6/2022 11:09:40 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.048	53255	34388.5	143.7	∞	58361	23.925 ng/ml
7-aminoclonazepam	4.212	665613	6786.8	76.9	1942.2	98666	251.032 ng/ml
a-hydroxyalprazolam	5.648	85265	26697.5	59.3	∞	40239	237.113 ng/ml
alpha-PHP	4.862	3101985	17581.4	40.0	22505.2	620203	253.204 ng/ml
alpha-PVP	4.292	4218410	48726.3	53.2	185832.5	620203	248.095 ng/ml
Alprazolam	5.743	1438739	2821.3	92.6	2732.8	183875	245.225 ng/ml
Amphetamine	2.929	2080789	18608.9	237.9	35888.3	339941	248.024 ng/ml
Benzoylcegonine	3.815	83504	34656.1	55.5	2632.2	11206	235.819 ng/ml
Buprenorphine	5.709	154242	496219.5	15.0	24764.3	96469	23.602 ng/ml
Bupropion	4.706	4093690	456117.8	70.5	46119.1	740772	251.580 ng/ml
Carisoprodol	5.709	602488	7102982.2	66.7	6824.9	113392	249.502 ng/ml
Citalopram	5.146	2679410	24233.7	40.8	50324.1	464781	254.072 ng/ml
Clonazepam	5.581	549162	17501.3	34.1	607990.7	40239	266.395 ng/ml
Clonazepam	5.527	784568	16459.6	38.8	119224.9	298325	264.911 ng/ml
Cocaine	4.191	2926579	180287.8	49.7	21275533.6	942017	249.386 ng/ml
Codeine	2.477	334971	32690.5	92.9	11279.7	62731	253.939 ng/ml
Cyclobenzaprine	5.583	2801184	107186.5	8.7	396432.3	326339	251.454 ng/ml
Dextromethorphan	5.194	1902393	34393.9	74.8	72451.7	310807	255.091 ng/ml
Dextrophan	4.048	2625391	433346.2	45.3	∞	515833	244.333 ng/ml
Diazepam	5.922	1100994	∞	85.6	∞	204834	252.973 ng/ml
Dihydrocodeine	2.446	984289	6210.4	60.6	3254.6	232117	254.693 ng/ml
Diphenhydramine	5.232	8088053	40187.5	31.1	89013.3	1803605	250.488 ng/ml
Doxylamine	4.461	10252373	286969.5	80.7	207806.2	1480555	251.195 ng/ml
EDDP	5.194	4504097	26913826.8	44.0	2718129.7	892298	250.053 ng/ml
Etizolam	5.789	745412	41629.6	25.6	6709.4	204834	250.968 ng/ml
Fentanyl	5.031	302974	∞	117.3	210572.0	619385	23.920 ng/ml
Flualprazolam	5.674	568568	3807.8	92.7	3573.3	183875	254.007 ng/ml
Fluoxetine	5.680	1850811	40902.5	6.9	130738.6	272298	251.692 ng/ml
Hydrocodone	2.916	1191085	938.1	37.6	915.7	258541	251.966 ng/ml
Hydromorphone	1.498	901097	3014.5	72.6	1621.6	108935	248.510 ng/ml
Ketamine	3.976	2874683	566469.2	38.2	17782.8	560454	253.303 ng/ml
Lamotrigine	4.203	202108	2298.8	86.7	133929.9	240629	275.993 ng/ml
Levetiracetam	2.560	531307	13026.0	157.4	21157.5	1379507	255.806 ng/ml



# AM #28 Multi-Drug Quant. Results

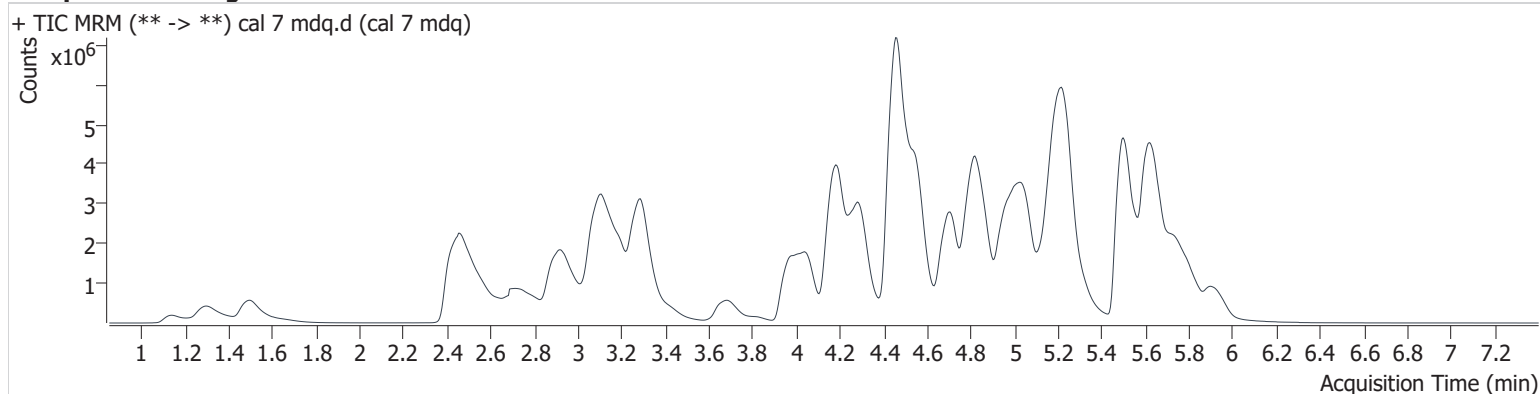
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.722	136814	∞	47.8	∞	61723	261.416 ng/ml
MDA	3.087	2175731	99165.1	27.2	∞	240629	254.400 ng/ml
MDMA	3.194	2507156	84478.9	96.9	39490.2	94746	259.264 ng/ml
Meprobamate	4.857	533698	134689.6	29.9	6593.9	113392	265.494 ng/ml
Methadone	5.623	5495232	829981.4	53.4	40933.3	934291	247.513 ng/ml
Methamphetamine	3.108	5239762	7932.0	40.8	13448.5	957242	252.900 ng/ml
Metoprolol	4.259	579780	228660.6	96.0	13108.1	339941	261.805 ng/ml
Mirtazapine	4.546	6196145	∞	48.5	114010.9	934291	243.203 ng/ml
Mitragynine	5.156	954142	64088.5	34.8	10601.3	1379507	253.744 ng/ml
Morphine	1.137	210946	1858.7	22.8	5569.4	11133	255.332 ng/ml
Norbuprenorphine	4.926	21152	38969.4	92.5	26433.7	18633	24.508 ng/ml
Nordiazepam	5.860	747244	∞	62.9	66802.2	106618	251.765 ng/ml
Norfentanyl	4.008	192637	15832.8	37.3	138987.1	898708	25.379 ng/ml
Norhydrocodone	2.968	115894	1882.0	33.6	980.1	73460	248.548 ng/ml
Noroxycodone	2.803	775272	∞	45.3	∞	109862	247.038 ng/ml
O-desmethyl-tramadol	3.286	7125920	∞	6.4	15551.5	1341938	249.168 ng/ml
Oxazepam	5.728	302360	17570.4	71.1	3605.2	61723	252.589 ng/ml
Oxycodone	2.715	2497777	∞	29.3	∞	407192	250.173 ng/ml
Oxymorphone	1.295	1312831	∞	44.1	∞	181987	253.993 ng/ml
Phentermine	3.689	1186262	∞	9.1	2946.9	587491	253.149 ng/ml
Promethazine	5.493	4492422	297818.6	38.4	∞	857750	245.565 ng/ml
Pseudoephedrine	2.459	7080055	57892.3	16.4	∞	1379507	251.463 ng/ml
Quetiapine	5.501	3087653	1941240.9	61.8	5620978.6	202988	249.532 ng/ml
Sertraline	5.738	595707	∞	101.1	∞	101100	243.793 ng/ml
Temazepam	5.796	1596589	9583.1	29.2	3983.5	298325	243.555 ng/ml
Tramadol	4.177	6703414	∞	3.6	9566.2	1251644	252.343 ng/ml
Trazodone	5.041	3979134	96484.4	80.0	137909.0	664993	244.877 ng/ml
Venlafaxine	4.970	5078870	137252.3	37.6	75015.2	1358513	246.412 ng/ml
Zolpidem	4.811	7140608	581870.0	29.1	∞	1366742	250.571 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	mdqp1 1-21-21long.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	3		
<b>Acq. Date-Time</b>	5/6/2022 11:18:43 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.048	88501	4306.7	127.6	161838.7	44640	52.048 ng/ml
7-aminoclonazepam	4.212	842797	10549.0	80.2	3294.5	61382	511.055 ng/ml
a-hydroxyalprazolam	5.648	97232	721.4	58.9	922.6	22645	480.913 ng/ml
alpha-PHP	4.862	5839664	∞	39.7	109322.3	592689	498.925 ng/ml
alpha-PVP	4.292	8281448	1033349.8	52.5	317921.8	592689	509.518 ng/ml
Alprazolam	5.738	2192895	∞	91.8	13107.5	138157	496.701 ng/ml
Amphetamine	2.924	3208389	169602.0	233.3	49903.2	274383	474.347 ng/ml
Benzoylcegonine	3.820	178513	10538.7	54.4	8154.8	10746	524.584 ng/ml
Buprenorphine	5.715	267007	∞	15.7	20198.0	78898	49.779 ng/ml
Bupropion	4.706	8411268	1466345.0	68.7	63947.5	746825	512.615 ng/ml
Carisoprodol	5.703	835399	∞	63.4	29516.9	78639	498.762 ng/ml
Citalopram	5.136	4317096	23783.0	41.8	1651597.4	377922	503.595 ng/ml
Clonazepam	5.576	568486	28272.1	34.5	375342.3	22645	490.305 ng/ml
Clonazepam	5.533	970057	5767.6	38.5	34477.0	179158	544.257 ng/ml
Cocaine	4.191	5414774	149236.4	49.0	2147360.4	863440	503.618 ng/ml
Codeine	2.477	526066	∞	95.0	7774.7	51567	485.564 ng/ml
Cyclobenzaprine	5.577	4978610	163566.3	8.6	1480960.7	292761	498.278 ng/ml
Dextromethorphan	5.194	3284814	27426.5	75.0	29823.5	270265	506.428 ng/ml
Dextrophan	4.048	5078581	1432112.4	44.8	44355.7	489790	497.440 ng/ml
Diazepam	5.917	2068193	∞	85.8	3372907150	198399	490.851 ng/ml
Dihydrocodeine	2.441	1696634	6535.8	61.7	2038.2	217691	468.650 ng/ml
Diphenhydramine	5.237	14137368	104413.8	31.1	54324.8	1556425	507.352 ng/ml
Doxylamine	4.461	21527602	639933.7	82.1	211358.0	1530122	510.444 ng/ml
EDDP	5.194	9039050	22797059.5	43.5	195520.4	883204	506.935 ng/ml
Etizolam	5.789	1368643	133351.2	24.8	∞	198399	476.399 ng/ml
Fentanyl	5.037	581901	21786.1	121.2	2421757.9	561732	50.585 ng/ml
Flualprazolam	5.679	849842	3045.5	90.5	∞	138157	505.246 ng/ml
Fluoxetine	5.680	2966860	35509.6	7.1	219009.2	225044	488.316 ng/ml
Hydrocodone	2.916	2218423	1378.8	35.3	566.4	221578	547.289 ng/ml
Hydromorphone	1.498	1626879	1721.2	72.7	964.0	96339	507.223 ng/ml
Ketamine	3.971	5565586	136626.8	37.6	29141.3	554713	495.899 ng/ml
Lamotrigine	4.203	249558	9783063869	76.1	94340.2	162226	504.991 ng/ml

# AM #28 Multi-Drug Quant. Results

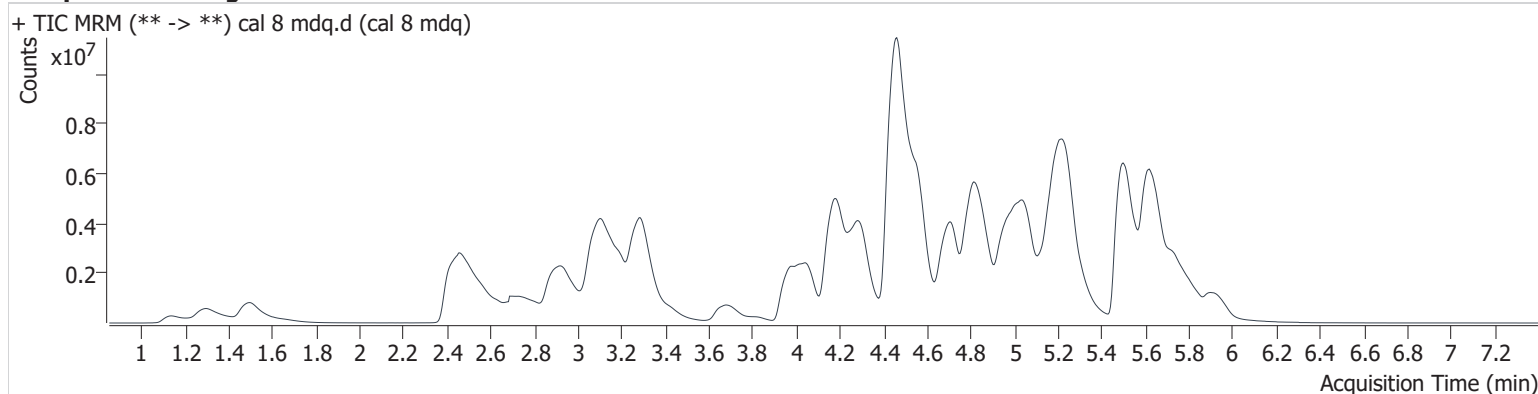
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.560	890059	31190.8	148.7	101631.6	1245382	475.507 ng/ml
Lorazepam	5.722	132186	∞	51.4	2013069547 516.9	23383	667.653 ng/ml
MDA	3.082	2919187	∞	27.7	45322.4	162226	506.757 ng/ml
MDMA	3.194	4058189	1962118.3	95.7	47199.2	82812	480.847 ng/ml
Meprobamate	4.862	687885	∞	30.1	72298.6	78639	492.985 ng/ml
Methadone	5.623	11308541	92487.8	50.5	519455.8	916491	518.958 ng/ml
Methamphetamine	3.108	9730358	144246.8	40.1	43354.3	932378	487.410 ng/ml
Metoprolol	4.259	911828	211037.3	96.2	∞	274383	509.485 ng/ml
Mirtazapine	4.544	12349684	821353.6	48.0	95624.3	916491	493.962 ng/ml
Mitragynine	5.145	1642908	1768220.3	34.9	∞	1245382	484.525 ng/ml
Morphine	1.137	375982	43108.5	22.5	9220.3	10009	506.420 ng/ml
Norbuprenorphine	4.931	39846	46881.3	90.3	32239.0	16945	50.710 ng/ml
Nordiazepam	5.860	1067143	∞	61.8	∞	77850	492.578 ng/ml
Norfentanyl	4.002	312887	12148.3	37.0	1049491.5	740398	50.058 ng/ml
Norhydrocodone	2.973	220967	2792.8	34.1	2190.8	65380	524.463 ng/ml
Noroxycodone	2.803	1269779	∞	44.5	∞	89406	496.838 ng/ml
O-desmethyl-tramadol	3.286	14725435	316651.6	6.2	155284.1	1356578	509.389 ng/ml
Oxazepam	5.728	237261	33234.5	74.2	78754.4	23383	523.103 ng/ml
Oxycodone	2.720	4162248	∞	29.4	∞	344613	492.769 ng/ml
Oxymorphone	1.295	2297149	∞	44.0	∞	163412	495.235 ng/ml
Phentermine	3.689	2228092	13859.3	8.2	3299.4	561346	498.042 ng/ml
Promethazine	5.493	9590805	342742.7	36.4	59134.9	863990	520.129 ng/ml
Pseudoephedrine	2.459	12807671	28008.6	16.2	242854.9	1245382	503.897 ng/ml
Quetiapine	5.496	5551332	∞	61.2	110287.0	185745	490.376 ng/ml
Sertraline	5.738	1029806	1967176.2	95.8	411374.6	83424	510.718 ng/ml
Temazepam	5.801	1999854	21918.6	29.5	11290.8	179158	507.407 ng/ml
Tramadol	4.172	12711815	∞	3.5	4023.2	1221610	490.745 ng/ml
Trazodone	5.043	7682576	204307.1	78.5	115439.7	586835	535.374 ng/ml
Venlafaxine	4.970	10285392	739605.2	37.2	123059.3	1285826	526.768 ng/ml
Zolpidem	4.808	14230298	324689.5	28.8	235590.0	1363039	500.843 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\050622\QuantResults\mdq p1.batch.bin  
**Calibration Last Update** 5/10/2022 11:50:14 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>	3		
<b>Acq. Date-Time</b>	5/6/2022 11:27:45 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.038	108485	125311.5	128.3	212406.4	27254	104.557 ng/ml
7-aminoclonazepam	4.218	834494	392.1	80.2	22527.8	33665	922.729 ng/ml
a-hydroxyalprazolam	5.669	97179	543.7	53.8	327.8	9906	1099.297 ng/ml
alpha-PHP	4.862	8202227	39402.5	39.5	14085.9	428541	969.320 ng/ml
alpha-PVP	4.291	12187807	123106.5	52.0	172885.2	428541	1036.938 ng/ml
Alprazolam	5.738	2625822	1346.5	93.9	∞	81021	1013.434 ng/ml
Amphetamine	2.924	3977237	63071.1	233.0	31286.4	168566	957.752 ng/ml
Benzoylcegonine	3.820	307916	4958.7	55.3	2732.6	10032	968.383 ng/ml
Buprenorphine	5.715	346986	164222.3	14.7	21435.0	49931	102.051 ng/ml
Bupropion	4.711	12555505	317950.3	68.1	206619.1	556900	1026.029 ng/ml
Carisoprodol	5.709	839199	777258.8	63.8	∞	39065	1008.524 ng/ml
Citalopram	5.136	5409949	99287.8	42.5	29116.9	238226	1001.288 ng/ml
Clonazepam	5.576	461231	40105.3	34.0	∞	9906	909.638 ng/ml
Clonazepam	5.538	854391	∞	38.7	1201.6	89419	959.607 ng/ml
Cocaine	4.196	7525633	1520829.8	49.2	156249.3	606558	996.583 ng/ml
Codeine	2.482	686286	18087.0	95.0	∞	34980	934.260 ng/ml
Cyclobenzaprine	5.572	6727019	291065.1	8.3	569912.9	201379	978.887 ng/ml
Dextromethorphan	5.200	4253242	49975.5	77.0	37762.7	178829	990.910 ng/ml
Dextrophan	4.048	7390835	130984.2	44.9	105916.7	350381	1011.624 ng/ml
Diazepam	5.922	3048314	∞	87.4	∞	142099	1010.370 ng/ml
Dihydrocodeine	2.436	2357487	5332.7	61.8	1096.5	158782	893.375 ng/ml
Diphenhydramine	5.242	18784756	1706948.5	30.8	∞	1013277	1035.474 ng/ml
Doxylamine	4.459	36498580	856246.2	85.3	∞	1317411	1005.230 ng/ml
EDDP	5.199	14002766	869758.1	42.8	∞	673553	1029.700 ng/ml
Etizolam	5.794	1859563	11980.7	25.5	13908.9	142099	904.389 ng/ml
Fentanyl	5.037	834140	1926989.2	127.0	478840.6	403465	100.893 ng/ml
Flualprazolam	5.679	972744	∞	87.8	3137.7	81021	986.093 ng/ml
Fluoxetine	5.680	4226243	269776.8	7.0	462242.2	147759	1059.590 ng/ml
Hydrocodone	2.916	3262514	2120.7	38.2	1691.2	165241	1079.045 ng/ml
Hydromorphone	1.498	2445794	1198.5	72.1	1473.8	70790	1037.643 ng/ml
Ketamine	3.971	8117733	302819.6	37.1	79403.7	410876	976.924 ng/ml
Lamotrigine	4.208	261100	2824.3	90.3	16642.8	94009	911.251 ng/ml
Levetiracetam	2.560	1140712	17047.2	154.9	74915.6	858252	885.131 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.722	141189	∞	50.3	∞	11234	1485.094 ng/ml
MDA	3.071	3039105	163562.5	29.6	74871.8	94009	910.773 ng/ml
MDMA	3.194	5479595	117051.1	94.2	75825.7	61621	873.221 ng/ml
Meprobamate	4.878	690211	168507.7	29.7	1719.8	39065	995.246 ng/ml
Methadone	5.623	17083385	152031.6	49.1	88098.9	669619	1072.722 ng/ml
Methamphetamine	3.108	13583546	238039.8	39.9	15277.1	689780	924.862 ng/ml
Metoprolol	4.259	1083758	160596.1	96.0	∞	168566	985.056 ng/ml
Mirtazapine	4.549	19715906	372703.5	47.9	175121.8	669619	1079.117 ng/ml
Mitragynine	5.150	2280675	95028.3	35.1	71598.4	858252	976.630 ng/ml
Morphine	1.137	574435	62199.1	22.6	12520.4	7997	968.571 ng/ml
Norbuprenorphine	4.921	50823	29864.1	92.9	∞	11363	96.413 ng/ml
Nordiazepam	5.860	1239094	63062.2	61.9	∞	44579	999.003 ng/ml
Norfentanyl	4.002	397141	21698.8	37.4	∞	485859	96.847 ng/ml
Norhydrocodone	2.973	309011	2906.1	35.6	4020.3	46817	1017.568 ng/ml
Noroxycodone	2.808	1659885	∞	43.9	∞	55100	1053.478 ng/ml
O-desmethyl-tramadol	3.286	22254693	∞	6.2	∞	1019873	1024.053 ng/ml
Oxazepam	5.723	211000	∞	72.9	6088.3	11234	968.232 ng/ml
Oxycodone	2.720	5675992	∞	29.4	∞	230747	1003.775 ng/ml
Oxymorphone	1.295	3342656	∞	44.0	∞	124035	949.687 ng/ml
Phentermine	3.683	3204479	7178.6	7.7	24438.0	420445	956.739 ng/ml
Promethazine	5.493	14995951	358614.6	35.5	283743.0	668234	1051.193 ng/ml
Pseudoephedrine	2.459	17810850	295755.3	16.0	42362.6	858252	1016.836 ng/ml
Quetiapine	5.490	8072598	95136.2	61.2	∞	141552	935.809 ng/ml
Sertraline	5.733	1616598	∞	97.1	445413.6	64488	1037.127 ng/ml
Temazepam	5.807	1975164	∞	29.0	30199.9	89419	1003.551 ng/ml
Tramadol	4.172	17784683	∞	3.5	14562.8	897669	934.789 ng/ml
Trazodone	5.046	10896513	236719.9	78.5	68515.7	404645	1100.894 ng/ml
Venlafaxine	4.970	15335879	479326.3	36.8	63275.6	923802	1092.795 ng/ml
Zolpidem	4.807	20923756	338255.9	28.7	291174.7	1009577	994.380 ng/ml