












**Worklist: 4772**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2021-0084	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0117	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0143	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0162	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0173	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0190	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0197	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0202	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0216	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 2/2/21 Analyst: Anne Nord  
Plate lot#: 201207 (part IDP-121) Plate Expiration: 06/07/21

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

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

**LCMS-QQQ ID:** 69679

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH, Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

## Post-Analytic

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

## COMMENTS:

Limited curve ranges –alpha-hydroxyalprazolam 5-100, metoprolol 5-500, buprenorphine 1-100, Fentanyl 1-100  
Not evaluated –norhydrocodone (ratios out), phentermine (ratios out) norbuprenorphine (ratios out and poor recovery)  
Methamphetamine (interference), pseudoephedrine (not included in acquisition), levetiracetam (not included in acquisition)  
Hydromorphone evaluated qualitatively, morphine d6 used as internal standard.

A

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	190-1		IS + Cal. 1	IS + QC_1						IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	173-1		IS + Cal. 2	IS + QC_2						IS + Cal. 7
C	IS + Cal. 3	qc3	197-1		IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	216-1		IS + Cal. 4	IS + QC_4					qc2 urine	IS + Cal. 5
E	IS + Cal. 5	Qc 2 urine	70-1		IS + Cal. 5	qc2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	neg blood	neg urine		IS + Cal. 6						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	084-2	202-1	162-1	IS + Cal. 7						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	143-1		117-1	IS + Cal. 8						IS + QC_1	IS + Cal. 1

Run blanks before

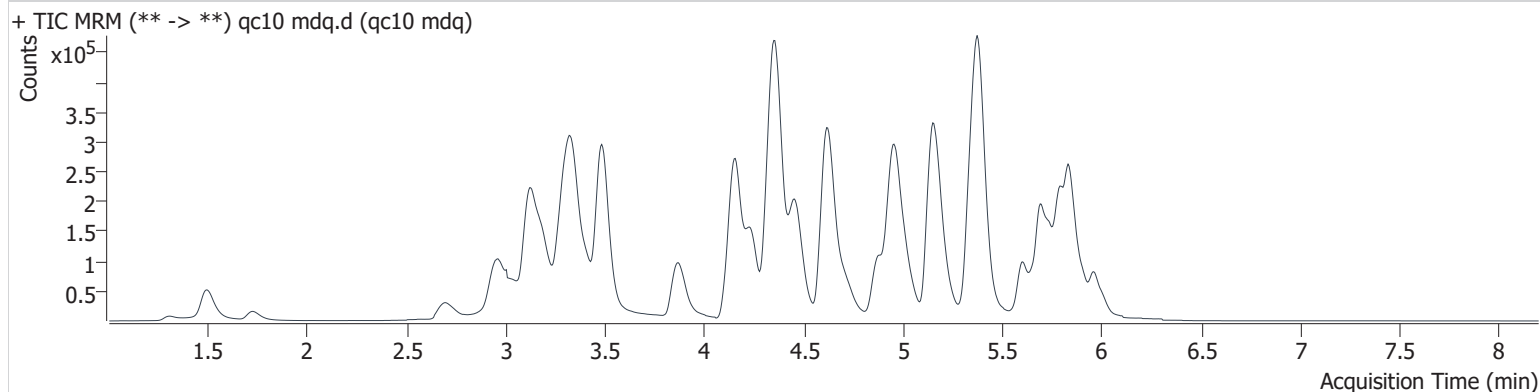
c2021-0\_\_-\_\_

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 4:16:09 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	2417	1123.2	71.9	1011.9	59061	1.003 ng/ml
7-aminoclonazepam	4.367	22082	268.0	101.7	77.9	94123	9.539 ng/ml
a-hydroxyalprazolam	5.729	7379	645.3	55.4	1073.3	49434	9.528 ng/ml
alpha-PHP	5.031	93436	2023.5	39.6	667.0	348143	10.155 ng/ml
alpha-PVP	4.467	133892	665.5	51.9	428.5	581849	10.174 ng/ml
Alprazolam	5.803	57230	936.3	90.4	627.3	203801	9.709 ng/ml
Amphetamine	3.192	266200	1452.6	41.3	792.6	390251	9.298 ng/ml
Benzoylcegonine	3.994	2822	1894.2	10.6	∞	10609	10.174 ng/ml
Buprenorphine	5.743	758	32.1	18.4	189.2	32987	1.015 ng/ml
Bupropion	4.893	97574	745.4	69.2	212.8	348143	9.945 ng/ml
Carisoprodol	5.758	32452	751.1	73.7	56.5	164897	10.000 ng/ml
Citalopram	5.333	58436	61.6	34.7	14611.5	259645	10.351 ng/ml
Clonazepam	5.662	55267	261.2	30.0	276.0	81866	10.666 ng/ml
Clonazepam	5.604	36246	1371.8	39.2	3327.7	81866	10.317 ng/ml
Cocaine	4.366	111113	805.3	47.0	710.0	864224	9.714 ng/ml
Codeine	2.721	14721	262.0	83.4	373.8	70937	9.438 ng/ml
Cyclobenzaprine	5.669	21830	13231.3	7.2	24.5	66324	10.495 ng/ml
Dextromethorphan	5.367	33505	3912.4	75.1	453.2	170892	10.086 ng/ml
Dextrophan	4.235	74836	2079.8	45.3	862.2	445068	10.021 ng/ml
Diazepam	5.969	33933	132.5	90.9	448.2	167895	9.620 ng/ml
Diphenhydramine	5.388	176573	764.6	29.5	20588.8	911731	9.795 ng/ml
Doxylamine	4.629	282656	1353.7	96.9	307.0	1131300	9.814 ng/ml
EDDP	5.351	139874	1537.8	44.7	63856.9	689597	10.084 ng/ml
Etizolam	5.832	22447	11039.2	23.4	417.6	167895	9.540 ng/ml
Fentanyl	5.193	3297	26.5	101.3	1755.5	135971	1.175 ng/ml
Flualprazolam	5.739	21787	1628.8	101.1	917.7	203801	9.158 ng/ml
Fluoxetine	5.746	13628	116.4	7.4	548.4	48427	9.694 ng/ml
Hydrocodone	3.148	53553	189.3	35.4	177.7	645483	9.343 ng/ml
Hydromorphone	1.722	39882	738.6	72.4	362.4	7654	8.986 ng/ml
Ketamine	4.145	91867	274.6	38.9	131.7	413972	9.405 ng/ml
Lamotrigine	4.420	7050	1149.8	96.3	166.9	437666	9.600 ng/ml
Lorazepam	5.786	46383	346.8	47.5	33.8	254677	10.919 ng/ml
MDA	3.339	135388	436.7	25.3	306.7	437666	9.190 ng/ml

# AM #28 Multi-Drug Quant. Results

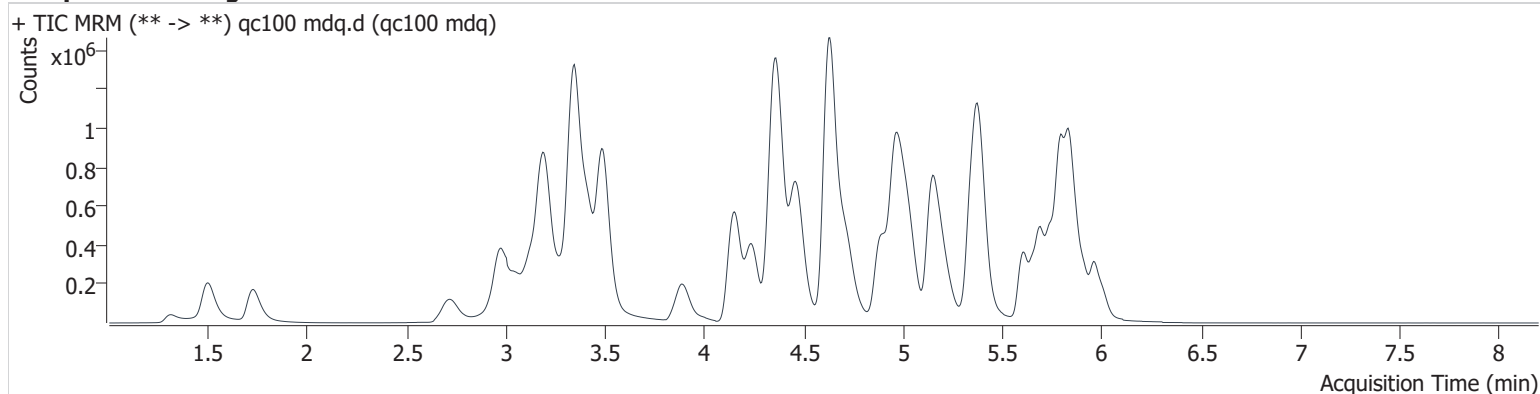
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	88227	662.8	96.0	70.1	83590	9.445 ng/ml
Meprobamate	5.016	33328	788.9	27.6	183.4	118662	9.226 ng/ml
Methadone	5.699	80833	510.2	59.2	10165.8	417260	9.985 ng/ml
Metoprolol	4.419	17545	1799.2	96.7	328.8	689597	9.779 ng/ml
Mirtazapine	4.717	117058	647.0	47.7	330.9	417260	9.783 ng/ml
Mitragynine	5.311	12325	5364.0	29.8	4080.2	689597	8.513 ng/ml
Morphine	1.311	5825	232.0	17.3	155.8	7654	10.545 ng/ml
Nordiazepam	5.918	32159	763.5	61.9	197.6	121829	10.062 ng/ml
Norfentanyl	4.186	6676	92.7	36.8	26.3	837249	0.986 ng/ml
Noroxycodone	3.051	44350	13.6	49.5	441.5	172329	8.867 ng/ml
O-desmethyl-tramadol	3.487	176901	2092.1	6.8	120.9	1023612	9.584 ng/ml
Oxazepam	5.793	62954	252.0	75.3	139.4	254677	9.546 ng/ml
Oxycodone	2.974	111013	289.7	26.7	468.4	431172	9.799 ng/ml
Oxymorphone	1.494	55284	1186.3	43.9	1104.3	213349	9.834 ng/ml
Promethazine	5.601	29917	18901.5	41.3	151.1	150875	10.565 ng/ml
Quetiapine	5.593	42056	1708.9	59.0	181.4	59298	9.487 ng/ml
Sertraline	5.809	5013	130.1	97.5	57.6	20604	10.635 ng/ml
Temazepam	5.845	104550	209.9	33.4	33.0	536165	9.824 ng/ml
Tramadol	4.342	238055	1177.5	3.5	84.1	1109765	9.754 ng/ml
Trazodone	5.208	57918	172.6	76.8	6557.7	269370	9.245 ng/ml
Venlafaxine	5.149	137481	332.8	42.7	581.0	1045797	9.587 ng/ml
Zolpidem	4.967	223382	1409.6	30.8	608.9	1001911	10.091 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 4:25:11 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	25142	1825.4	76.0	803.0	66409	9.836 ng/ml
7-aminoclonazepam	4.372	204567	248.6	92.6	973.3	77769	102.667 ng/ml
a-hydroxyalprazolam	5.734	85424	576.5	53.3	1648.2	67145	98.430 ng/ml
alpha-PHP	5.036	926182	15615.9	39.4	1130.6	355017	102.972 ng/ml
alpha-PVP	4.467	1449361	1306.8	52.4	3520.5	607557	98.992 ng/ml
Alprazolam	5.803	654172	18793.1	86.7	196.3	207512	103.974 ng/ml
Amphetamine	3.197	2638601	2023.9	43.9	2206.1	396528	110.428 ng/ml
Benzoylcegonine	3.999	31205	734.3	13.6	3535.8	12066	100.884 ng/ml
Buprenorphine	5.754	5775	2662.6	15.9	580.3	21121	9.828 ng/ml
Bupropion	4.893	1045525	1436.9	67.8	3259.5	355017	106.395 ng/ml
Carisoprodol	5.758	374209	1553.3	71.6	332.1	176436	105.459 ng/ml
Citalopram	5.328	406909	1087.0	38.9	71008.1	179509	102.475 ng/ml
Clonazepam	5.667	601470	13921.1	31.5	78079.7	97238	105.150 ng/ml
Clonazepam	5.609	423434	9598.0	36.7	49732.0	97238	99.095 ng/ml
Cocaine	4.366	1232080	403.2	46.6	22555.9	923889	107.402 ng/ml
Codeine	2.726	160589	649.3	87.6	359.6	74365	110.948 ng/ml
Cyclobenzaprine	5.669	99256	26368.7	7.9	316.0	31342	103.618 ng/ml
Dextromethorphan	5.367	221570	82218.8	77.0	79334.5	107748	97.607 ng/ml
Dextrophan	4.240	799519	54235.1	44.5	12455.1	450803	103.535 ng/ml
Diazepam	5.969	413786	5226.0	87.6	3063.0	187916	101.226 ng/ml
Diphenhydramine	5.388	1337645	25771.0	29.8	249.2	665098	97.734 ng/ml
Doxylamine	4.629	3175706	921.5	97.0	7129.2	1206285	99.158 ng/ml
EDDP	5.356	1324068	57050.2	44.5	2399.2	638988	100.811 ng/ml
Etizolam	5.832	261475	1056.0	24.8	32216.7	187916	103.535 ng/ml
Fentanyl	5.188	17267	128.0	118.1	3232.5	75192	10.051 ng/ml
Flualprazolam	5.739	261940	13051.1	100.5	1206.2	207512	106.084 ng/ml
Fluoxetine	5.741	42191	623.5	7.1	600.7	15397	105.914 ng/ml
Hydrocodone	3.143	607233	1282.4	35.2	314.0	682783	110.590 ng/ml
Hydromorphone	1.727	461575	1668.4	73.9	2493.7	8191	103.080 ng/ml
Ketamine	4.145	1039284	10351.2	38.8	584.0	456243	104.332 ng/ml
Lamotrigine	4.420	77355	879.3	91.6	22412.3	409387	116.712 ng/ml
Lorazepam	5.781	442969	2090.0	47.0	675.0	255111	107.232 ng/ml
MDA	3.339	1362514	6574.1	25.2	273.6	409387	108.729 ng/ml

# AM #28 Multi-Drug Quant. Results

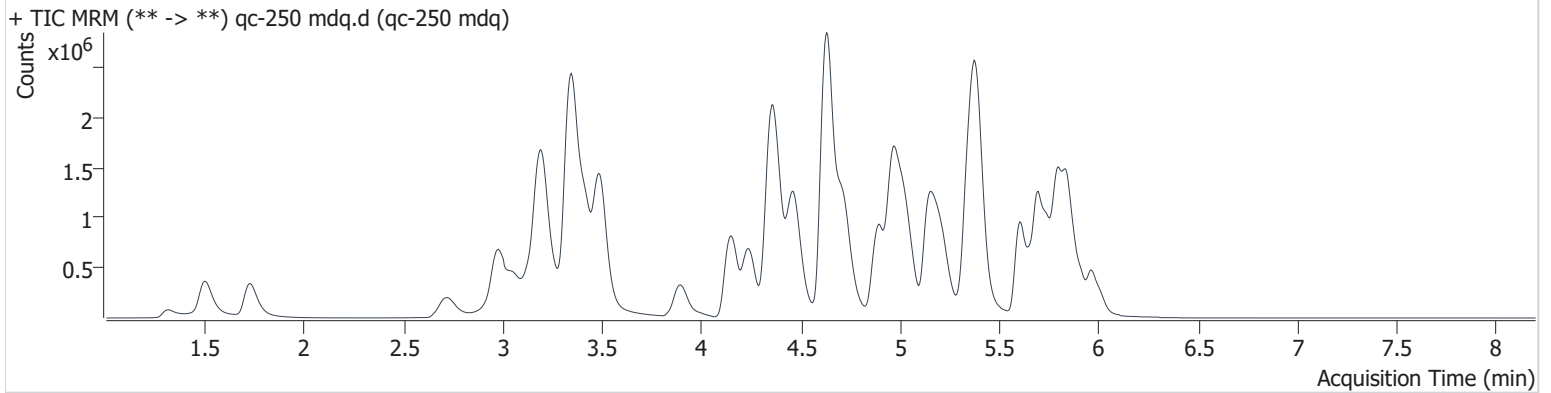
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	938193	6137.3	94.1	459.3	86440	103.760 ng/ml
Meprobamate	5.016	379157	6695.3	28.7	561.2	131840	107.355 ng/ml
Methadone	5.699	558111	204283.0	55.9	3980.5	277927	95.509 ng/ml
Metoprolol	4.419	186846	105830.5	94.1	5282.8	638988	122.143 ng/ml
Mirtazapine	4.717	952342	1318.1	48.3	2146.4	277927	121.012 ng/ml
Mitragynine	5.317	79474	49015.8	30.4	13098.6	638988	60.697 ng/ml
Morphine	1.311	64079	476.5	16.3	807.5	8191	104.851 ng/ml
Nordiazepam	5.918	358054	225506.2	62.7	4208.0	132715	100.655 ng/ml
Norfentanyl	4.186	73982	1924.5	35.2	5001.8	886711	9.851 ng/ml
Noroxycodone	3.056	555620	822.9	44.0	3449.8	183755	107.315 ng/ml
O-desmethyl-tramadol	3.492	2143333	1431.8	7.0	11097.7	1173834	97.545 ng/ml
Oxazepam	5.793	671725	695.1	72.7	3341.2	255111	102.401 ng/ml
Oxycodone	2.974	1278806	4891.0	29.0	1746.4	477827	105.383 ng/ml
Oxymorphone	1.499	638213	8601.3	43.9	6803.5	237694	107.866 ng/ml
Promethazine	5.606	147052	84223.7	39.8	665.9	72040	102.093 ng/ml
Quetiapine	5.593	339054	134389.1	59.4	129848.0	43992	109.992 ng/ml
Sertraline	5.809	13210	6755.3	96.3	224.3	5907	99.032 ng/ml
Temazepam	5.850	1245872	10977.5	30.1	1026.9	583876	104.874 ng/ml
Tramadol	4.347	2654635	52503.2	3.5	296.0	1224618	108.336 ng/ml
Trazodone	5.213	427538	897.3	74.9	1543.2	178620	99.588 ng/ml
Venlafaxine	5.149	1551943	52574.5	43.0	317.9	1095206	98.753 ng/ml
Zolpidem	4.967	2565730	5354.6	31.0	2000.2	1139039	100.629 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 4:34:13 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.254	50101	503.2	74.6	36806.9	54383	24.032 ng/ml
7-aminoclonazepam	4.372	413807	186.1	92.4	179.9	65951	244.314 ng/ml
a-hydroxyalprazolam	5.734	130925	2325.2	56.4	259.8	62094	164.635 ng/ml ocr
alpha-PHP	5.031	2074798	3702.6	38.8	7101.4	334872	245.223 ng/ml
alpha-PVP	4.467	2939816	11372.3	52.4	5589.4	500533	242.712 ng/ml
Alprazolam	5.808	1069288	9133.0	90.0	3488.0	138113	254.635 ng/ml
Amphetamine	3.197	5410979	5319.5	44.9	1451.2	345895	262.647 ng/ml
Benzoylcegonine	3.994	61935	25494.5	13.2	92.6	9698	249.467 ng/ml
Buprenorphine	5.754	19790	1015.0	15.8	1637.2	29093	24.143 ng/ml
Bupropion	4.893	2364474	157764.2	68.3	7841.5	334872	255.369 ng/ml
Carisoprodol	5.758	611137	5160.8	70.6	5841.4	121906	248.947 ng/ml
Citalopram	5.328	1185198	13420.5	39.4	418766.4	215715	248.100 ng/ml
Clonazepam	5.667	955138	686.4	31.7	67526.6	64270	253.905 ng/ml
Clonazepam	5.609	704415	12275.4	36.8	51869.1	64270	249.003 ng/ml
Cocaine	4.366	2327414	124407.5	46.4	3611.5	742338	253.461 ng/ml
Codeine	2.726	298643	5985.0	90.5	5238.3	58233	265.343 ng/ml
Cyclobenzaprine	5.669	509653	476.7	7.9	10546.3	68699	243.140 ng/ml
Dextromethorphan	5.367	732721	275.5	76.0	22929.1	146784	235.709 ng/ml
Dextrophan	4.240	1694971	7303.4	44.7	25460.0	395972	249.565 ng/ml
Diazepam	5.969	700109	4251.1	89.9	803.0	136389	235.494 ng/ml
Diphenhydramine	5.388	4061881	136340.9	29.4	14695.8	826223	238.287 ng/ml
Doxylamine	4.629	6770683	20343.6	96.2	101609.0	1050817	242.038 ng/ml
EDDP	5.351	3184068	491.1	44.6	102580.2	642821	240.648 ng/ml
Etizolam	5.837	439707	26116.9	24.6	32578.3	136389	240.483 ng/ml
Fentanyl	5.188	75118	600.3	116.2	1122.8	133407	24.461 ng/ml
Flualprazolam	5.739	418760	20421.4	103.9	16838.3	138113	254.547 ng/ml
Fluoxetine	5.746	254099	135675.8	7.7	6101.3	39824	248.361 ng/ml
Hydrocodone	3.143	1172606	794.2	35.7	825.9	576235	254.426 ng/ml
Hydromorphone	1.727	1005712	6044.2	71.9	3159.7	7142	258.488 ng/ml
Ketamine	4.145	2038550	13580.4	38.7	920.8	375359	249.910 ng/ml
Lamotrigine	4.420	138726	2899.2	93.2	24894.7	346382	247.805 ng/ml
Lorazepam	5.781	695776	10258.2	47.0	690.5	166930	257.917 ng/ml
MDA	3.339	2789590	30631.4	25.4	7177.1	346382	264.535 ng/ml



# AM #28 Multi-Drug Quant. Results

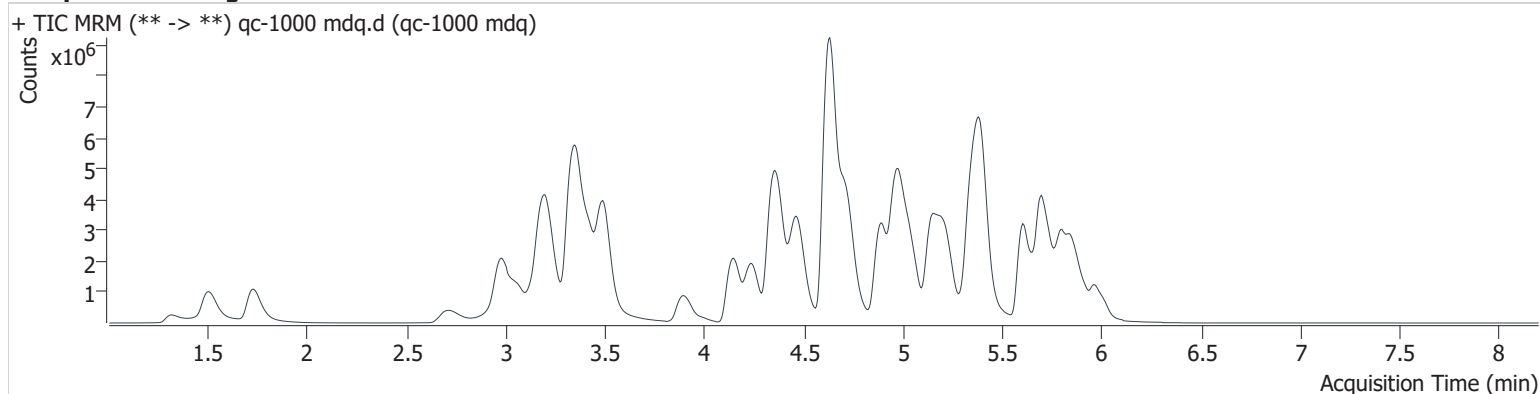
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	1952730	414.0	94.1	3322.8	75026	249.817 ng/ml
Meprobamate	5.021	650362	1826.1	29.1	3395.9	95739	255.480 ng/ml
Methadone	5.699	2030992	2142.5	54.6	13074.3	401136	239.509 ng/ml
Metoprolol	4.419	343771	58179.4	94.0	2927.2	642821	224.156 ng/ml
Mirtazapine	4.717	2899555	8480.7	47.6	17437.6	401136	255.423 ng/ml
Mitragynine	5.311	293109	115685.4	31.1	31318.7	642821	223.174 ng/ml
Morphine	1.316	123739	1383.0	18.9	527.9	7142	231.747 ng/ml
Nordiazepam	5.918	615809	35945.4	62.1	47074.2	92896	246.971 ng/ml
Norfentanyl	4.186	147350	255.6	34.9	5701.5	723159	23.987 ng/ml
Noroxycodone	3.056	1100774	5333.4	44.6	3375.6	153049	255.667 ng/ml
O-desmethyl-tramadol	3.487	4243228	1728.6	7.0	4481.2	954024	237.050 ng/ml
Oxazepam	5.793	1090722	773.7	72.1	525.2	166930	254.221 ng/ml
Oxycodone	2.974	2580176	4614.3	29.1	1611.6	400564	254.166 ng/ml
Oxymorphone	1.499	1285903	6146.6	44.0	4800.7	202777	255.625 ng/ml
Promethazine	5.606	783750	399902.3	39.6	1123.9	158482	246.319 ng/ml
Quetiapine	5.593	987898	8778.0	58.9	81026.1	56828	248.972 ng/ml
Sertraline	5.809	99401	12100.1	97.9	597.2	18166	242.554 ng/ml
Temazepam	5.850	2079591	2806.3	30.5	1253.3	412758	247.266 ng/ml
Tramadol	4.347	5079004	228857.4	3.5	1114.3	996248	256.238 ng/ml
Trazodone	5.213	1435316	947.5	73.8	18697.9	251557	236.941 ng/ml
Venlafaxine	5.149	3248957	17246.5	42.8	1284.1	896757	251.759 ng/ml
Zolpidem	4.967	5086186	7185.8	30.7	3689.3	934103	243.042 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 4:43:13 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	169350	1615.6	73.7	3854.9	42139	105.064 ng/ml
7-aminoclonazepam	4.377	891863	436.8	88.3	850.8	34652	1000.875 ng/ml
<del>a-hydroxyalprazolam</del>	<del>5.729</del>	<del>222659</del>	<del>795.7</del>	<del>55.4</del>	<del>491.7</del>	<del>83237</del>	<del>209.484 ng/ml</del> ocr
alpha-PHP	5.031	6727872	158389.3	39.0	22868.9	322903	825.803 ng/ml
alpha-PVP	4.468	9600257	15224.7	52.5	3164.6	388730	1018.342 ng/ml
Alprazolam	5.803	2545172	1885.7	92.1	2546.2	84840	985.259 ng/ml
Amphetamine	3.199	15035257	51551.2	45.7	8629.3	264635	959.832 ng/ml
Benzoylcegonine	3.994	242123	11755.7	13.1	16822.5	9551	990.848 ng/ml
Buprenorphine	5.754	69687	1562.2	15.1	1947.2	23506	104.524 ng/ml
Bupropion	4.891	8991730	450998.9	64.6	12457.3	322903	1007.713 ng/ml
Carisoprodol	5.758	1310524	1306.4	66.4	448.8	65369	994.853 ng/ml
Citalopram	5.318	3298481	46043.7	40.1	970308.5	149372	996.556 ng/ml
Clonazepam	5.662	2146278	32281.7	31.7	384916.7	37538	979.446 ng/ml
Clonazepam	5.614	1666781	33806.7	37.9	64715.4	37538	1007.952 ng/ml
Cocaine	4.366	6418568	173960.2	45.4	874.4	524627	991.127 ng/ml
Codeine	2.726	697049	2185.0	91.2	517.2	37974	953.215 ng/ml
Cyclobenzaprine	5.664	1954699	151719.0	8.7	210.9	64941	987.435 ng/ml
Dextromethorphan	5.362	2141951	20095.9	74.5	526.5	103038	978.860 ng/ml
Dextrophan	4.238	5592396	42727.5	44.4	13847.6	318715	1022.314 ng/ml
Diazepam	5.974	2241830	2296.5	87.8	73868.2	106701	962.768 ng/ml
Diphenhydramine	5.394	13328108	301854.1	29.4	6801.6	657399	981.348 ng/ml
Doxylamine	4.628	24076898	419459.3	96.5	352927.5	898661	1005.019 ng/ml
EDDP	5.351	11084590	1581.8	43.6	147663.9	538800	998.741 ng/ml
Etizolam	5.837	1185494	12029.4	24.6	2583.2	106701	829.867 ng/ml
Fentanyl	5.188	320626	2374.8	120.9	1327.1	135033	102.741 ng/ml
Flualprazolam	5.745	1033121	37465.9	98.2	10568.4	84840	1021.746 ng/ml
Fluoxetine	5.751	682717	242296.3	7.6	17795.4	26445	1008.922 ng/ml
Hydrocodone	3.138	3435915	566.1	36.7	913.9	457628	941.614 ng/ml
Hydromorphone	1.727	3473765	470.7	72.2	5103.9	6305	1013.065 ng/ml
Ketamine	4.145	6796427	19484.1	38.6	5475.5	324479	966.240 ng/ml
Lamotrigine	4.420	303403	296.6	92.9	2315.8	199658	941.318 ng/ml
Lorazepam	5.781	981334	976.8	49.3	541.6	75818	801.690 ng/ml
MDA	3.319	5433155	56620.6	25.7	1060.4	199658	896.250 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
MDMA	3.421	5663555	568.8	91.3	99647.9	55773	976.744	ng/ml
Meprobamate	5.021	1433731	3769.6	28.4	4569.4	56792	953.237	ng/ml
Methadone	5.699	8823617	87163.4	49.6	38130.5	414618	1003.974	ng/ml
Metoprolol	4.419	797265	445037.2	95.9	1268.2	538800	621.862	ng/ml ocr
Mirtazapine	4.717	11101075	13996.7	46.8	17728.4	414618	946.468	ng/ml
Mitragynine	5.306	1049301	3742.3	32.2	162401.0	538800	953.985	ng/ml
Morphine	1.316	463334	5547.1	17.3	2237.4	6305	981.690	ng/ml
Nordiazepam	5.918	1742067	9175.6	61.3	97433.7	65071	996.692	ng/ml
Norfentanyl	4.186	443446	2774.0	35.6	172832.0	513025	101.599	ng/ml
Noroxycodone	3.056	3171986	5735.2	43.6	2265.6	115774	974.744	ng/ml
O-desmethyl-tramadol	3.492	14839391	1803.6	6.7	2613.9	805274	980.922	ng/ml
Oxazepam	5.793	1920647	3351.1	72.3	7417.7	75818	985.823	ng/ml
Oxycodone	2.973	9029285	11146.4	28.6	3748.2	361868	985.638	ng/ml
Oxymorphone	1.499	4386290	22746.0	43.7	1814.8	179118	988.952	ng/ml
Promethazine	5.606	3849720	214413.3	38.7	544411.0	188679	1014.018	ng/ml
Quetiapine	5.593	3488562	8763.8	60.4	840316.5	51251	976.890	ng/ml
Sertraline	5.803	252038	171352.6	96.8	52771.2	11452	976.050	ng/ml
Temazepam	5.860	5400909	35677.0	30.5	10209.9	260953	1014.926	ng/ml
Tramadol	4.337	15275710	191580.6	3.4	1900.6	801819	960.476	ng/ml
Trazodone	5.215	5813643	9300.8	75.2	3012.2	216986	1111.407	ng/ml
Venlafaxine	5.149	11334360	170280.2	41.1	53681.5	709787	1108.050	ng/ml
Zolpidem	4.967	16494664	9867.3	29.4	5759.1	749483	981.905	ng/ml

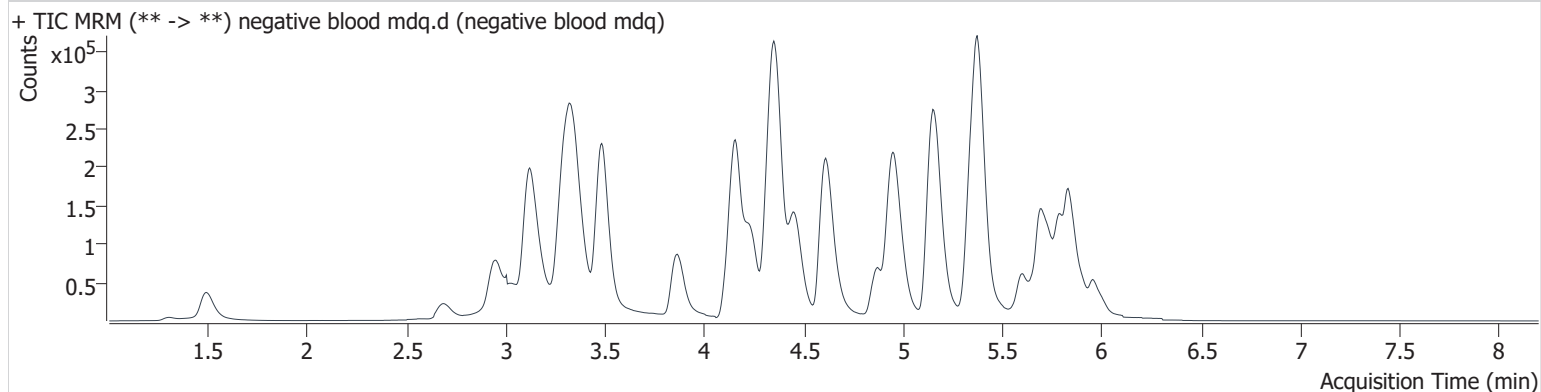
GA

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 5:10:05 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

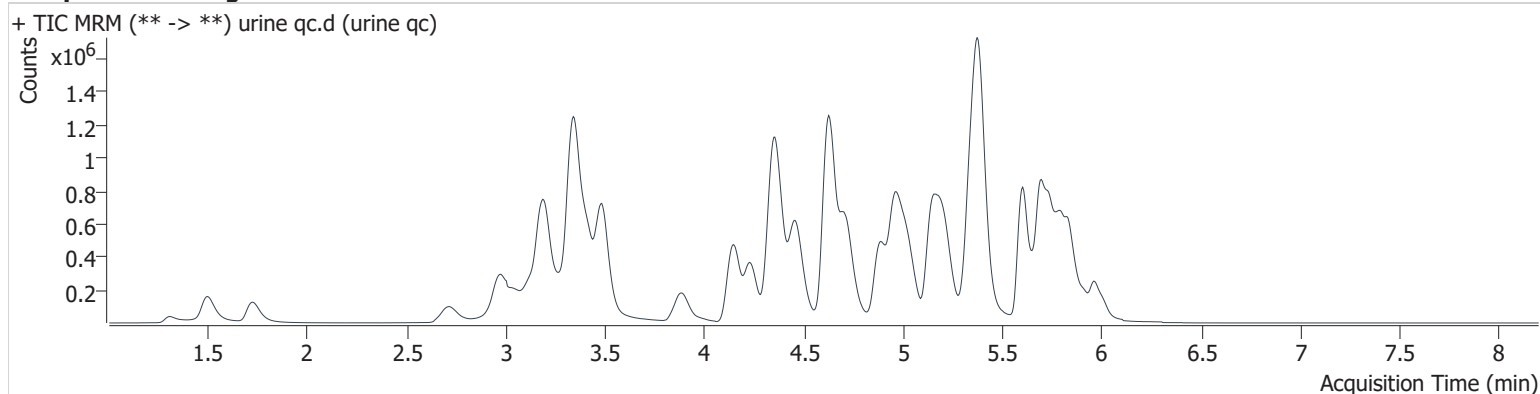


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

<b>Instrument</b>	69679	<b>Data File</b>	urine qc.d
<b>Type</b>	Sample	<b>Sample</b>	urine qc
<b>Acq. Method</b>	mdqp1 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-E2	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 5:19:07 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.254	20612	472.5	75.3	592.8	49569	10.810 ng/ml
7-aminoclonazepam	4.367	209203	2235.3	91.3	1325.0	79117	103.204 ng/ml
a-hydroxyalprazolam	5.740	50542	401.4	55.1	510.0	40167	97.327 ng/ml
alpha-PHP	5.031	864546	17530.8	39.9	4220.9	385433	88.466 ng/ml
alpha-PVP	4.462	1260051	5747.0	52.6	790.2	506226	103.258 ng/ml
Alprazolam	5.803	387590	1802.6	89.9	434.7	121647	105.081 ng/ml
Amphetamine	3.192	2389933	6221.6	44.1	2180.4	345306	114.948 ng/ml
Benzoylcegonine	3.988	25112	600.6	12.5	111.9	9245	105.968 ng/ml
Buprenorphine	5.754	13210	198.8	16.5	941.1	47181	10.059 ng/ml
Bupropion	4.887	1156336	23700.9	67.3	2025.1	385433	108.389 ng/ml
Carisoprodol	5.758	239028	3559.1	69.7	464.5	111230	106.849 ng/ml
Citalopram	5.328	708695	241.7	39.1	455.3	303621	105.514 ng/ml
Clonazepam	5.662	224286	909.1	32.4	1221.4	35247	108.198 ng/ml
Clonazepam	5.609	126939	9740.0	36.7	4661.1	35247	82.002 ng/ml
Cocaine	4.361	970463	17811.4	45.7	12741.2	720940	108.418 ng/ml
Codeine	2.721	125572	830.4	90.1	1195.9	55739	115.803 ng/ml
Cyclobenzaprine	5.669	583051	70080.2	8.2	297.9	180495	105.698 ng/ml
Dextromethorphan	5.362	570421	45040.8	74.5	12712.4	266801	101.447 ng/ml
Dextrophan	4.235	716009	748.0	45.4	14589.0	392408	106.512 ng/ml
Diazepam	5.969	327130	515.9	88.9	3393.3	147387	102.031 ng/ml
Diphenhydramine	5.388	2356819	28581.3	30.5	4656.8	1168164	98.040 ng/ml
Doxylamine	4.629	2743734	24560.6	96.0	21043.8	1008172	102.489 ng/ml
EDDP	5.351	1441180	7148.0	44.3	824.9	680212	103.072 ng/ml
Etizolam	5.832	161012	18869.3	24.1	309.5	147387	81.190 ng/ml
Fentanyl	5.183	83545	477.5	112.9	570.8	346301	10.553 ng/ml
Flualprazolam	5.739	165502	1024.9	101.3	1958.6	121647	114.324 ng/ml
Fluoxetine	5.741	554886	236572.3	7.0	658.7	200303	107.086 ng/ml
Hydrocodone	3.143	392288	405.5	37.5	536.1	456328	106.862 ng/ml
Hydromorphone	1.722	361210	8091.0	67.8	5438.3	7673	86.016 ng/ml
Ketamine	4.140	853566	6121.7	39.1	245.6	366386	106.722 ng/ml
Lamotrigine	4.420	68765	955.1	90.2	1032.5	368784	115.169 ng/ml
Lorazepam	5.781	226102	804.5	48.1	273.4	135805	102.803 ng/ml
MDA	3.334	1271810	9026.8	27.9	538.0	368784	112.701 ng/ml



# AM #28 Multi-Drug Quant. Results

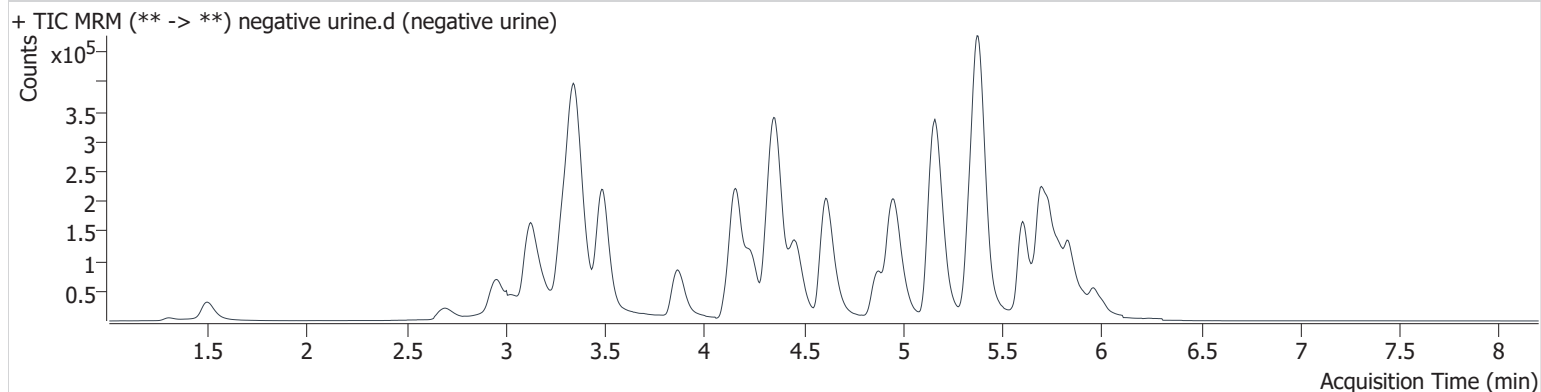
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.416	857688	517.1	93.3	15400.1	74395	110.258 ng/ml
Meprobamate	5.016	267553	241.3	27.6	108.5	92677	107.772 ng/ml
Methadone	5.699	1264571	19639.0	54.7	1307.4	600354	100.140 ng/ml
Metoprolol	4.419	153744	16723.5	97.3	82.6	680212	94.202 ng/ml
Mirtazapine	4.712	1577296	3192.6	47.6	3651.7	600354	92.752 ng/ml
Mitragynine	5.311	270588	4264.6	31.6	574.9	680212	194.670 ng/ml
Morphine	1.306	59025	1170.0	17.0	207.6	7673	103.112 ng/ml
Nordiazepam	5.923	258815	2255.9	61.1	1908.6	88178	109.484 ng/ml
Norfentanyl	4.181	64713	157.7	34.8	263.7	746967	10.227 ng/ml
Noroxycodone	3.051	445308	1603.1	45.2	679.5	142328	111.053 ng/ml
O-desmethyl-tramadol	3.487	1675594	38992.0	7.2	2410.2	897896	99.684 ng/ml
Oxazepam	5.788	353189	786.9	76.5	586.8	135805	101.142 ng/ml
Oxycodone	2.969	979206	3182.6	29.3	2796.5	365269	105.561 ng/ml
Oxymorphone	1.494	486156	6778.2	44.5	7216.0	178419	109.473 ng/ml
Promethazine	5.601	1115618	846.9	39.8	2398.1	532293	104.805 ng/ml
Quetiapine	5.593	529017	2969.4	59.7	192424.7	70823	106.579 ng/ml
Sertraline	5.809	122621	34421.3	99.2	355.6	53617	101.283 ng/ml
Temazepam	5.845	650136	2140.0	33.2	95.9	308827	103.471 ng/ml
Tramadol	4.342	2150347	18485.2	3.6	63.8	968743	110.961 ng/ml
Trazodone	5.208	1077969	3849.5	75.1	3298.7	440453	101.821 ng/ml
Venlafaxine	5.149	1379388	819.5	42.0	2034.5	907212	105.928 ng/ml
Zolpidem	4.967	2042228	3003.4	30.8	1315.1	862062	105.824 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative urine.d
<b>Type</b>	Sample	<b>Sample</b>	negative urine
<b>Acq. Method</b>	mdqp1 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F3	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 6:40:06 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

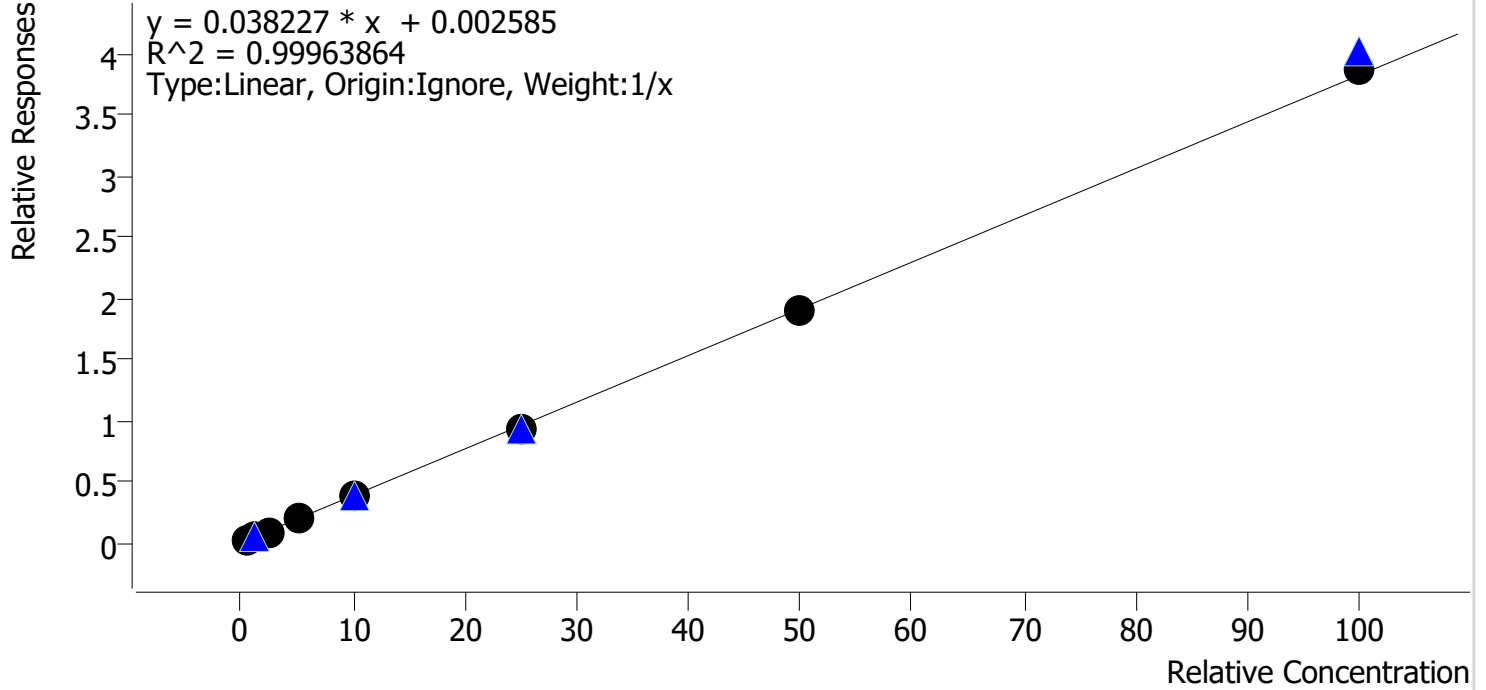


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 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	0.6	110.1
cal 2 mdq	2	✓	1.0	0.9	94.9
cal 3 mdq	3	✓	2.5	2.4	94.7
cal 4 mdq	4	✓	5.0	5.2	104.4
cal 5 mdq	5	✓	10.0	9.8	98.4
cal 6 mdq	6	✓	25.0	24.3	97.0
cal 7 mdq	7	✓	50.0	49.7	99.4
cal 8 mdq	8	✓	100.0	101.1	101.1

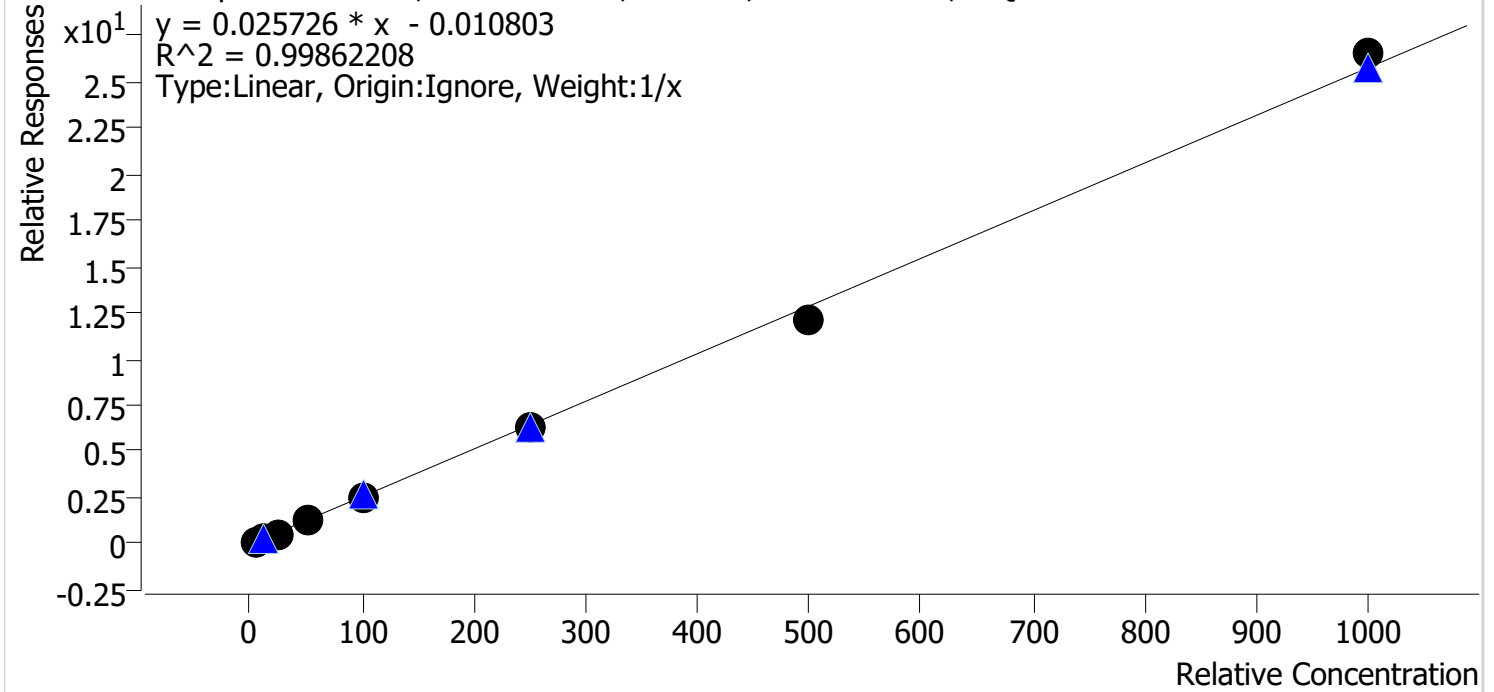


# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	7-aminoclonazepam	<b>Internal Standard</b>	7-Aminoclonazepam-D4

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

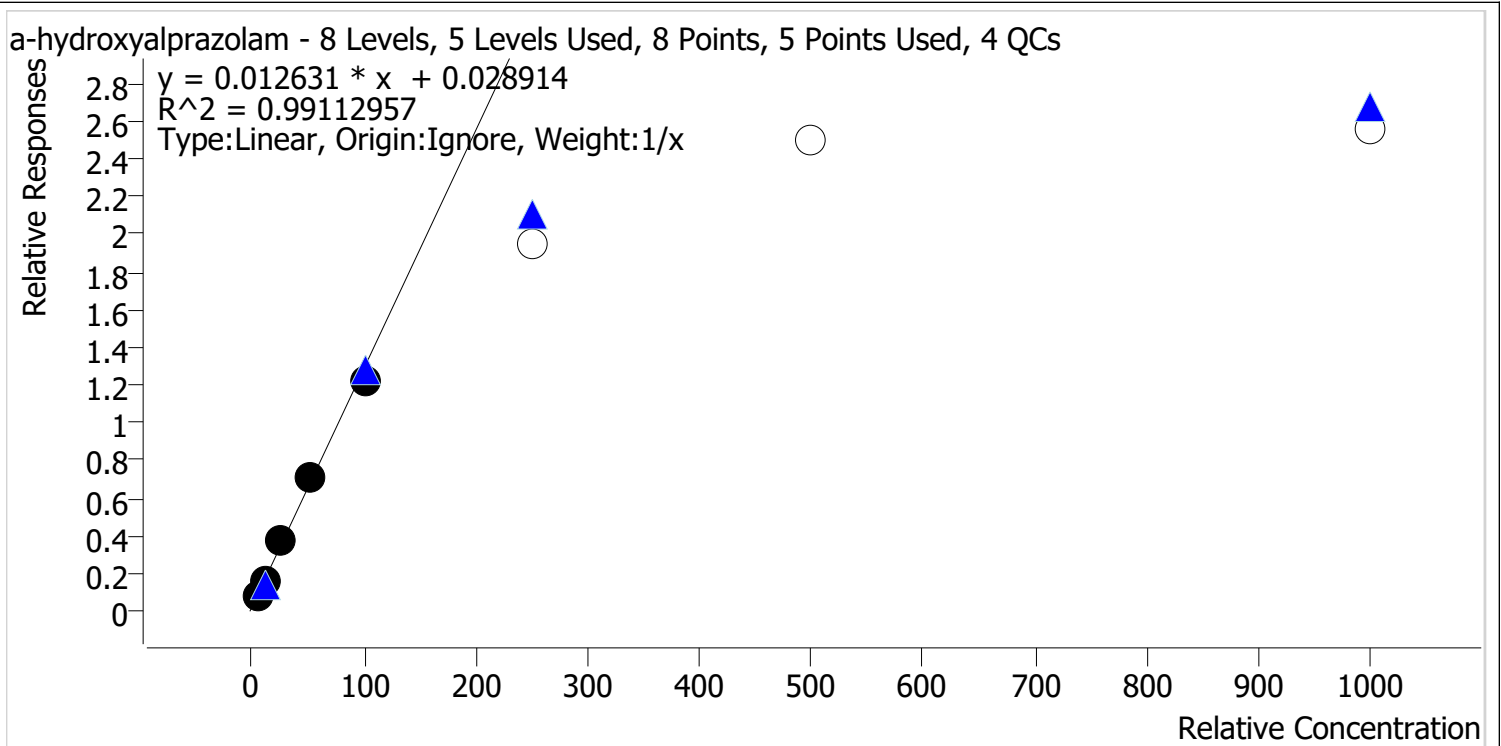


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.3
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	23.4	93.6
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	474.3	94.9
cal 8 mdq	8	✓	1000.0	1029.6	103.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.0
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	27.2	109.0
cal 4 mdq	4	✓	50.0	54.6	109.3
cal 5 mdq	5	✓	100.0	93.7	93.7
cal 6 mdq	6	✗	250.0	152.2	60.9
cal 7 mdq	7	✗	500.0	196.4	39.3
cal 8 mdq	8	✗	1000.0	200.7	20.1

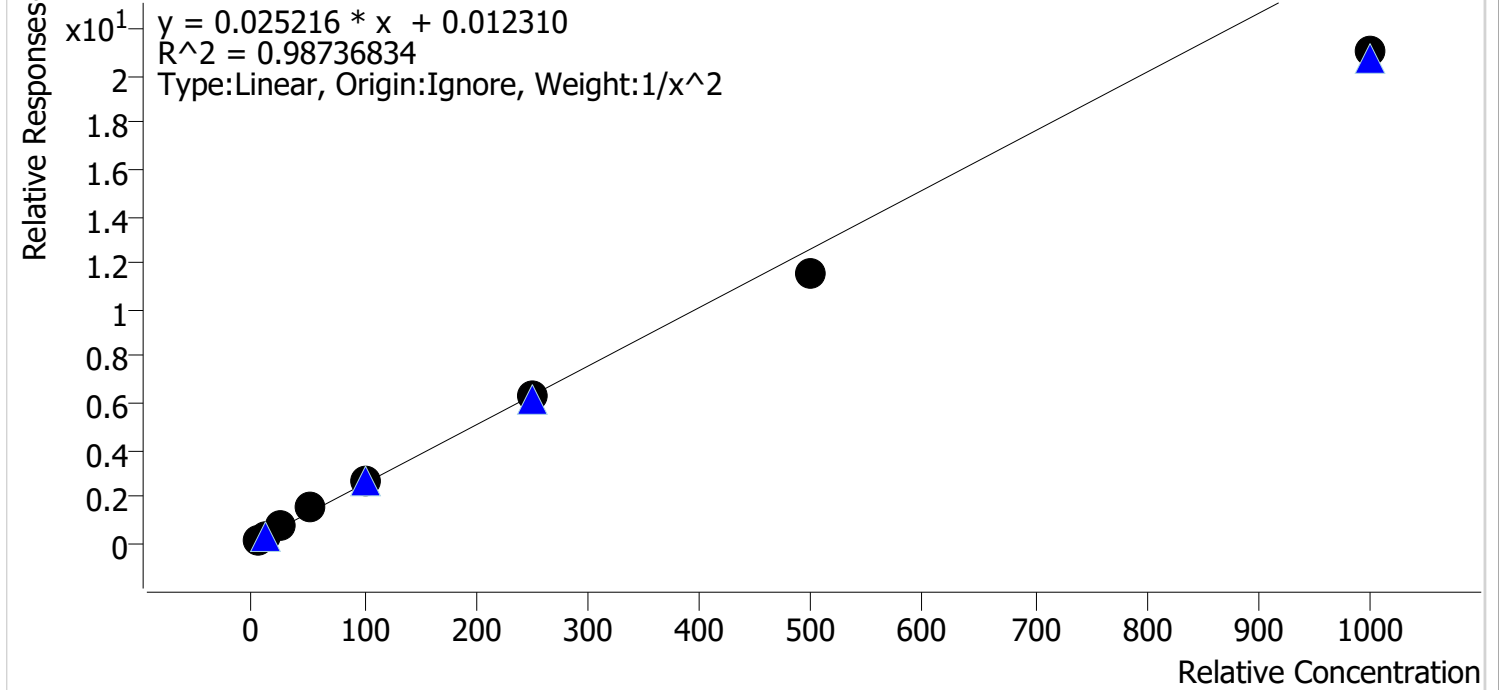
# Compound Calibration Report



**Batch results**      D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update**    2/3/2021 11:32 AM  
**Analyst Name**        ISP\datastor  
**Analyte**                alpha-PHP

**Internal Standard**      Bupropion-D9

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



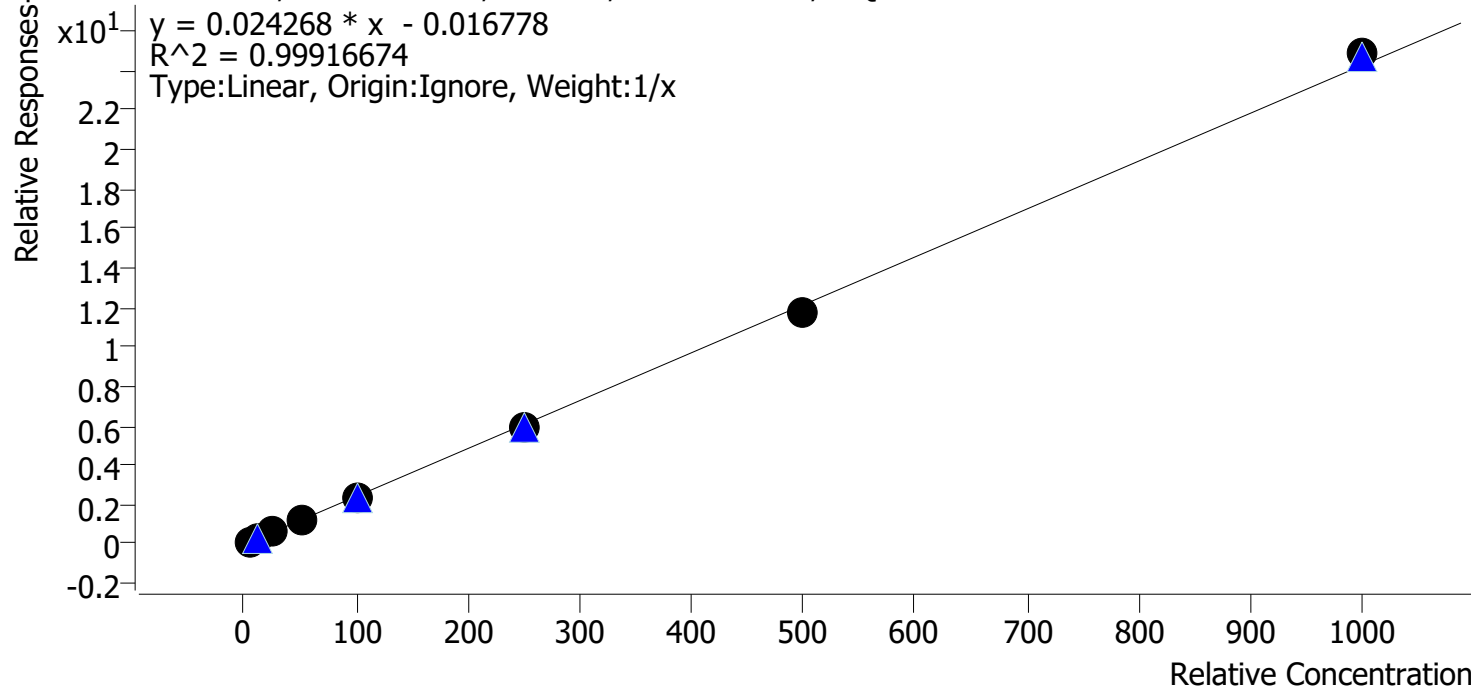
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	26.2	104.9
cal 4 mdq	4	✓	50.0	58.1	116.2
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	457.7	91.5
cal 8 mdq	8	✓	1000.0	835.2	83.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 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



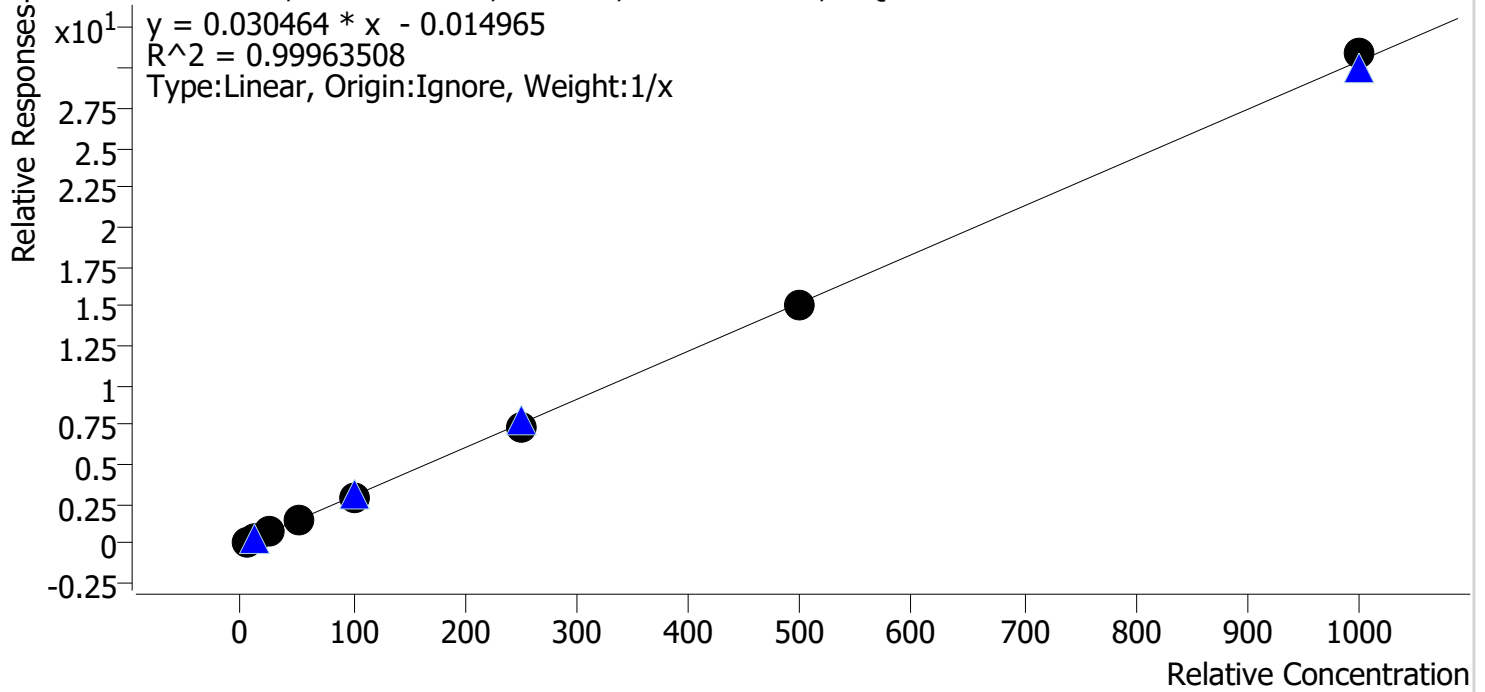
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.3
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	240.6	96.3
cal 7 mdq	7	✓	500.0	486.5	97.3
cal 8 mdq	8	✓	1000.0	1024.5	102.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



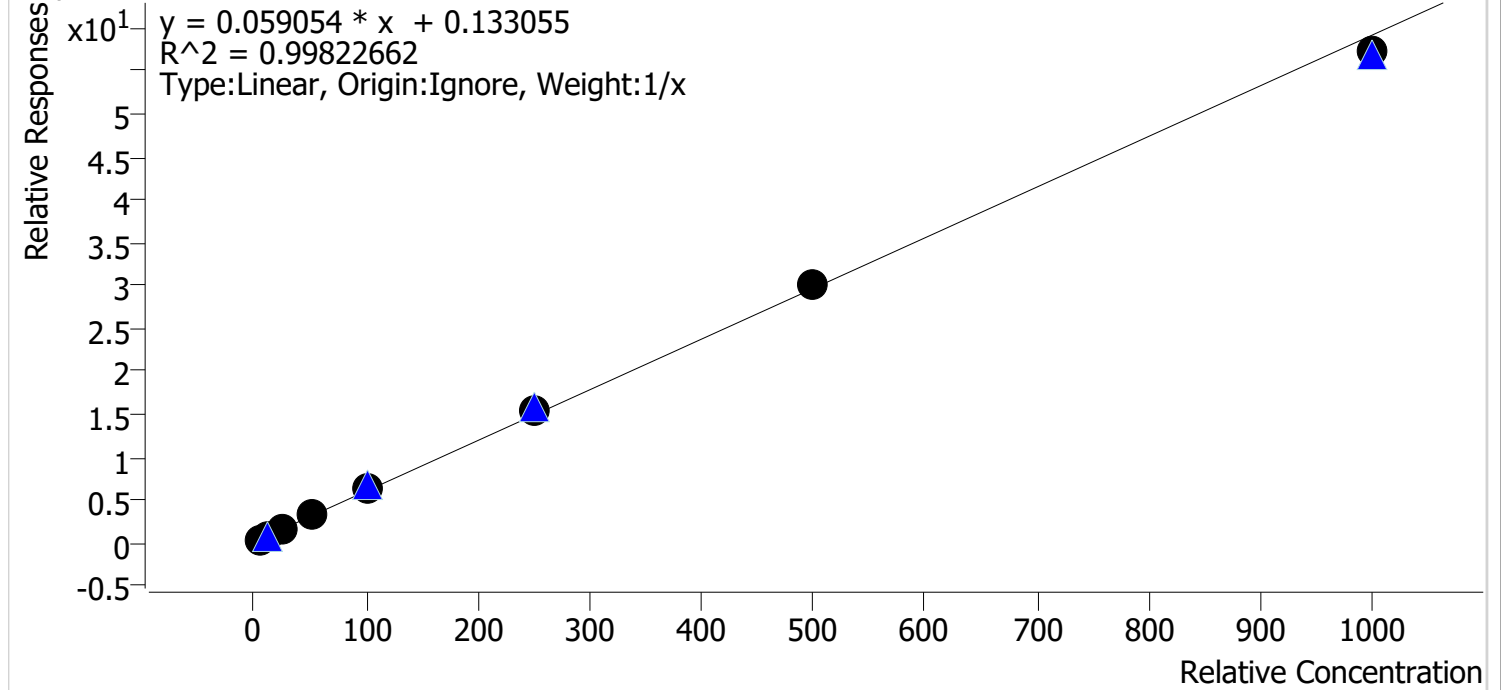
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.7
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	491.9	98.4
cal 8 mdq	8	✓	1000.0	1015.6	101.6

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Amphetamine	<b>Internal Standard</b>	Amphetamine-D11

Amphetamine - 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	4.1	82.9
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	55.4	110.8
cal 5 mdq	5	✓	100.0	108.0	108.0
cal 6 mdq	6	✓	250.0	261.4	104.5
cal 7 mdq	7	✓	500.0	509.1	101.8
cal 8 mdq	8	✓	1000.0	967.4	96.7





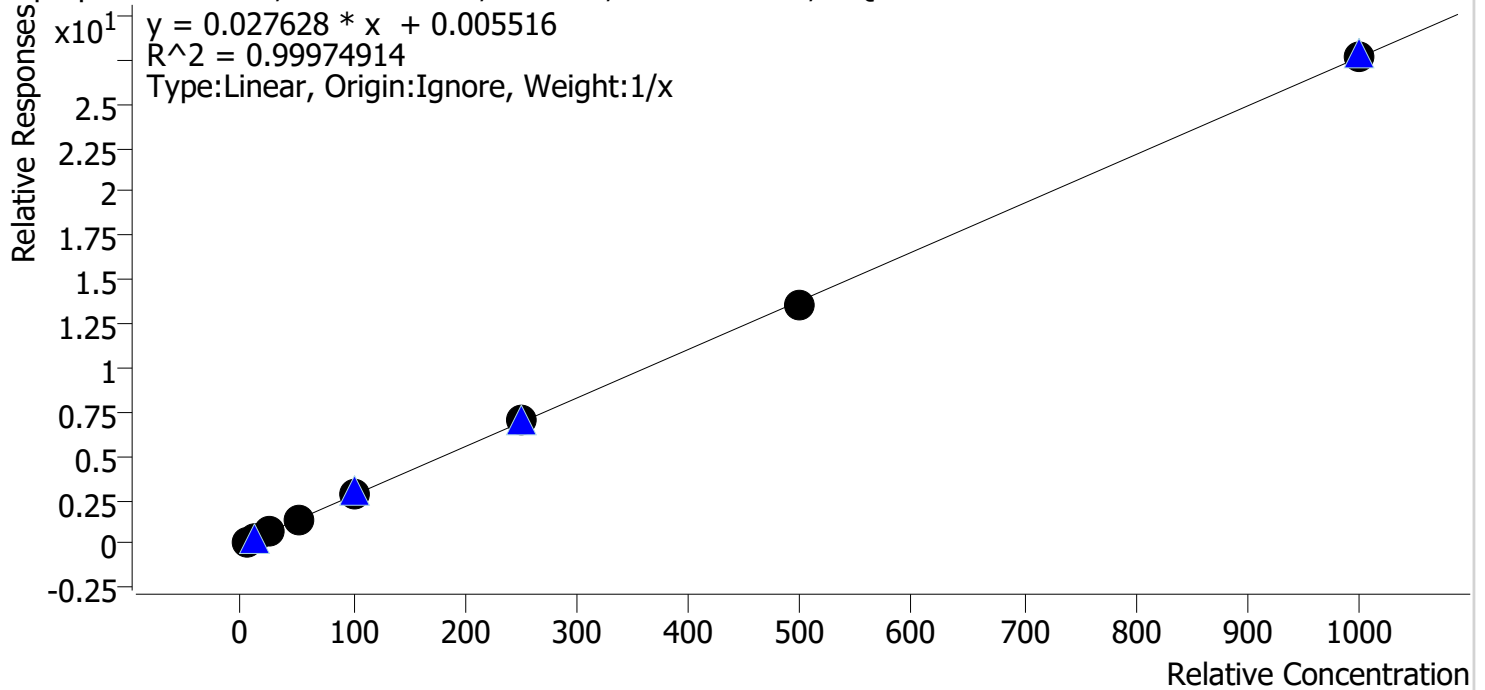


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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



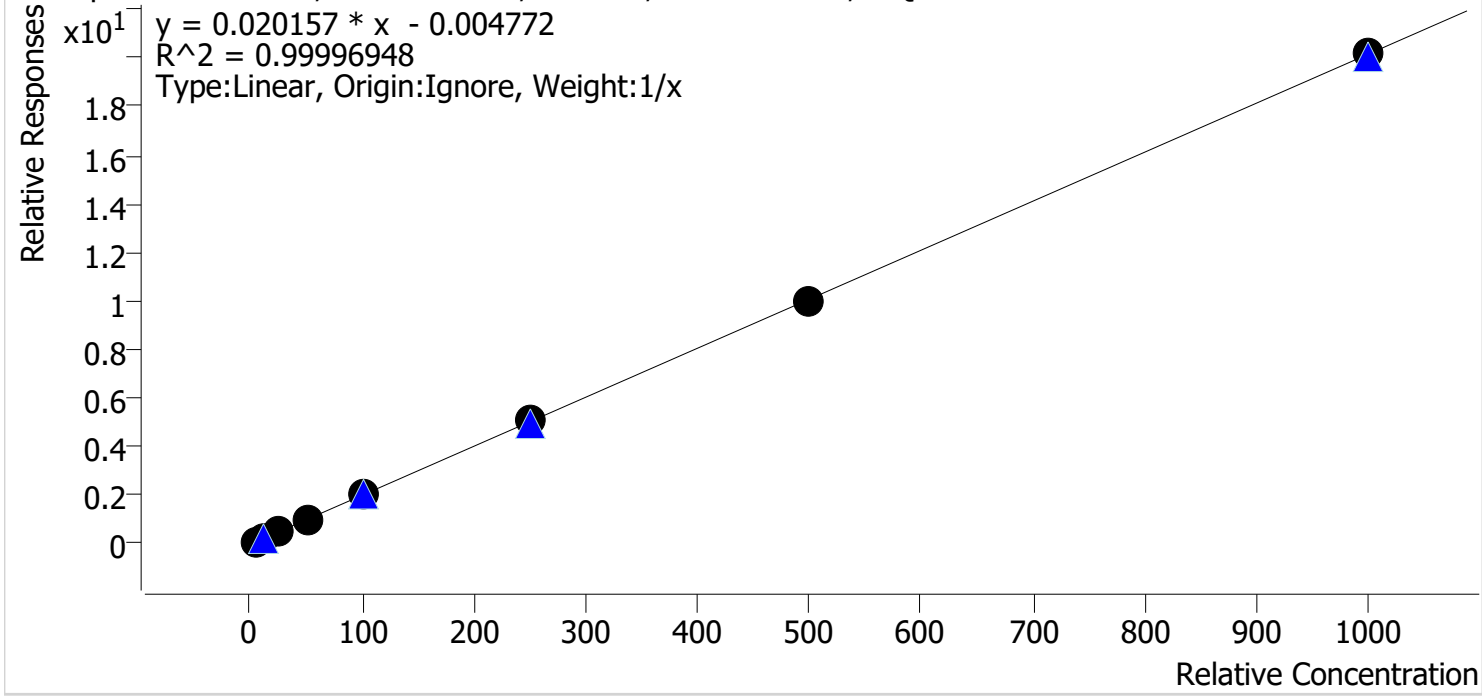
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.0
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	490.6	98.1
cal 8 mdq	8	✓	1000.0	1002.7	100.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



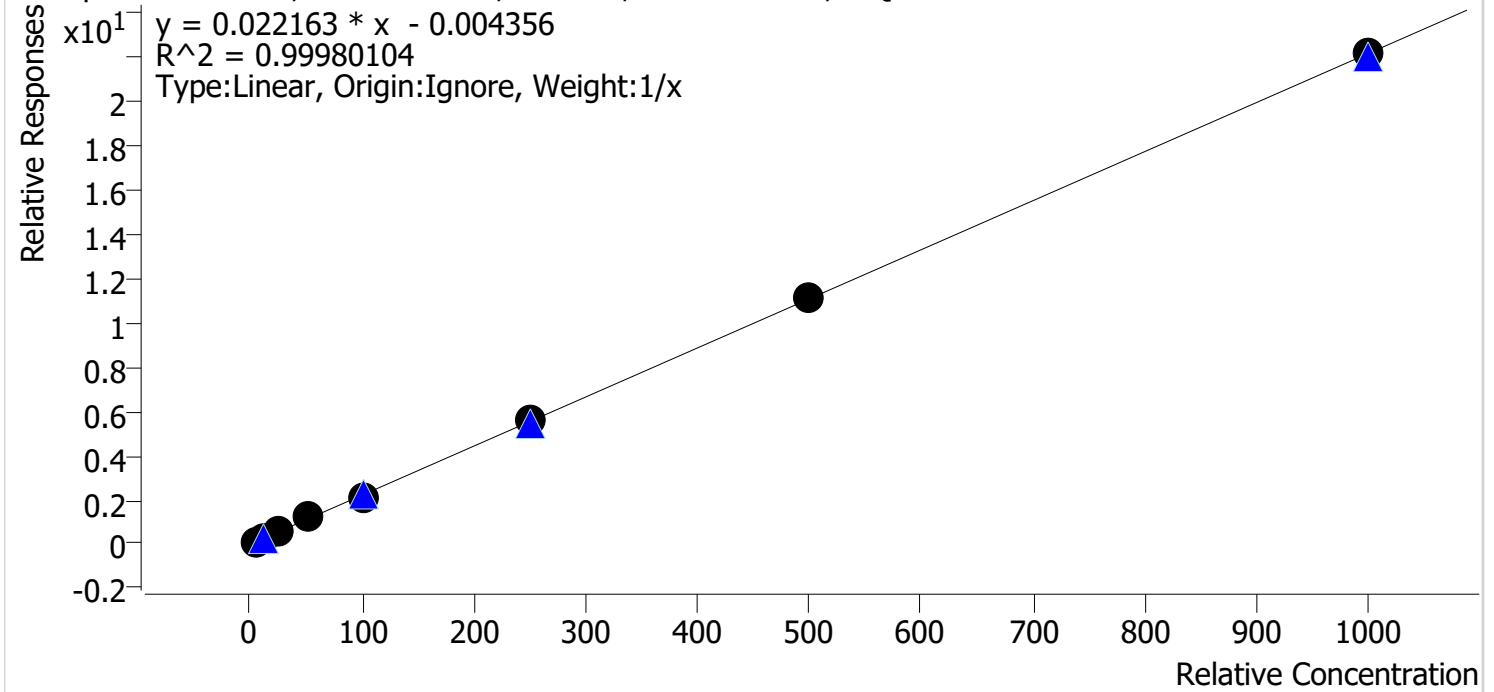
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	250.9	100.3
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	1001.2	100.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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

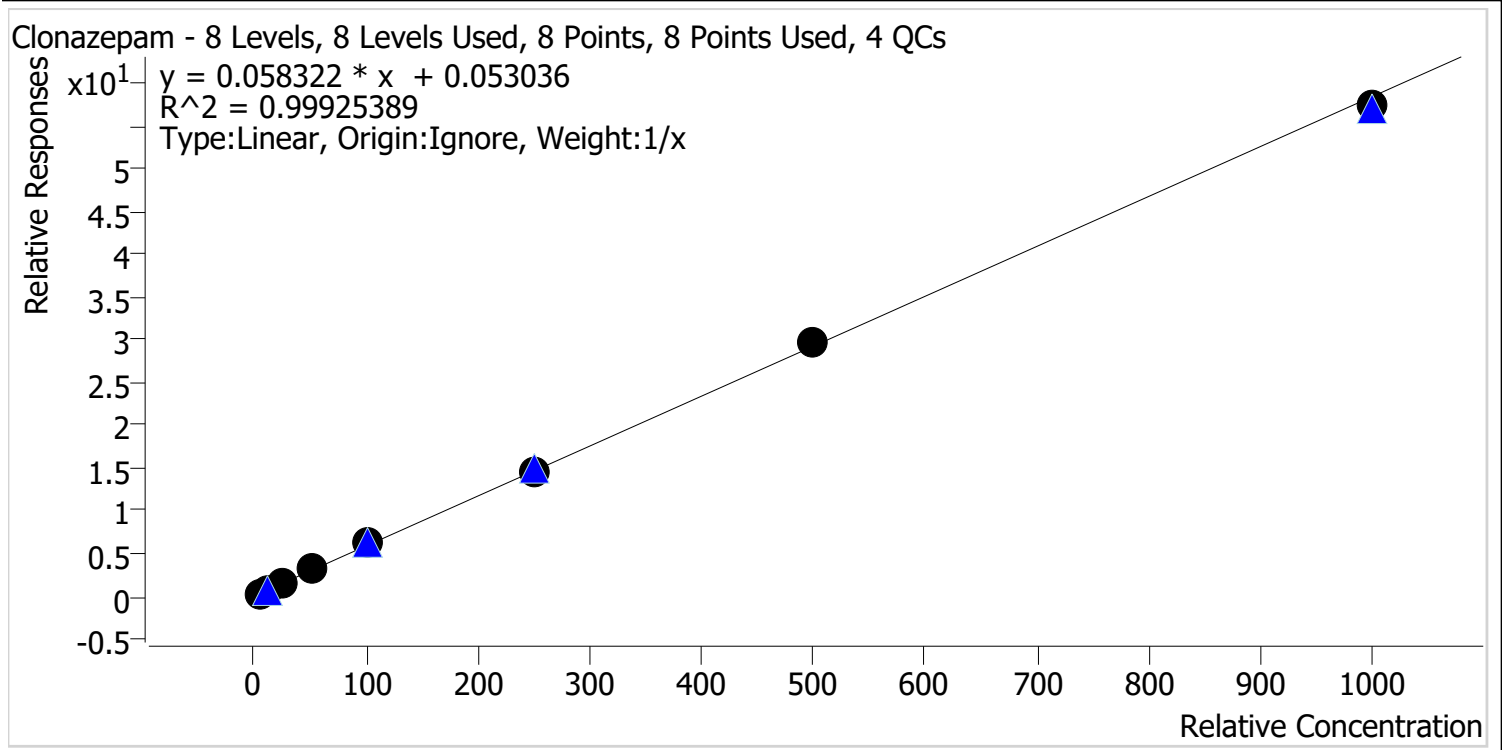


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	96.2	96.2
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	499.7	99.9
cal 8 mdq	8	✓	1000.0	999.9	100.0

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Clonazepam	<b>Internal Standard</b>	Clonazepam-D4



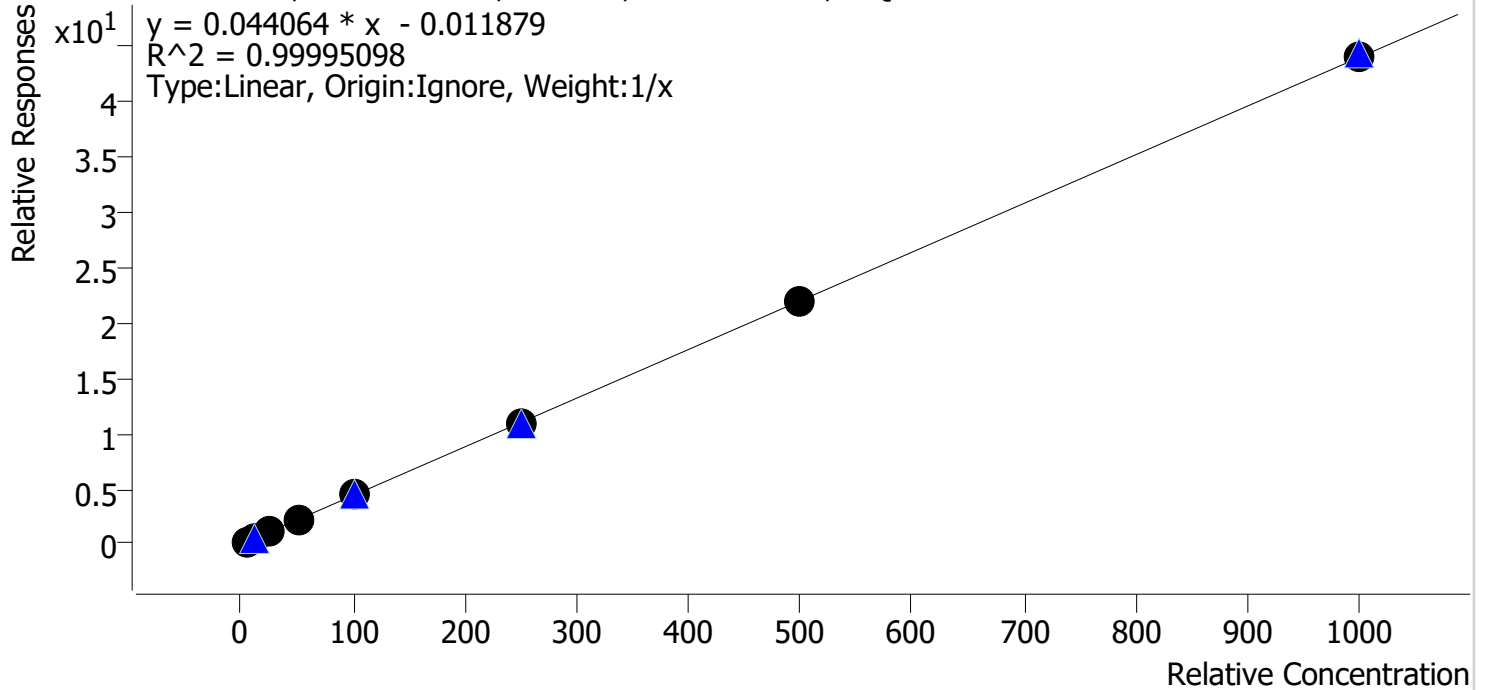
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.7
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	54.8	109.7
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	250.6	100.3
cal 7 mdq	7	✓	500.0	507.6	101.5
cal 8 mdq	8	✓	1000.0	982.1	98.2

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	51.3	102.7
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1001.9	100.2

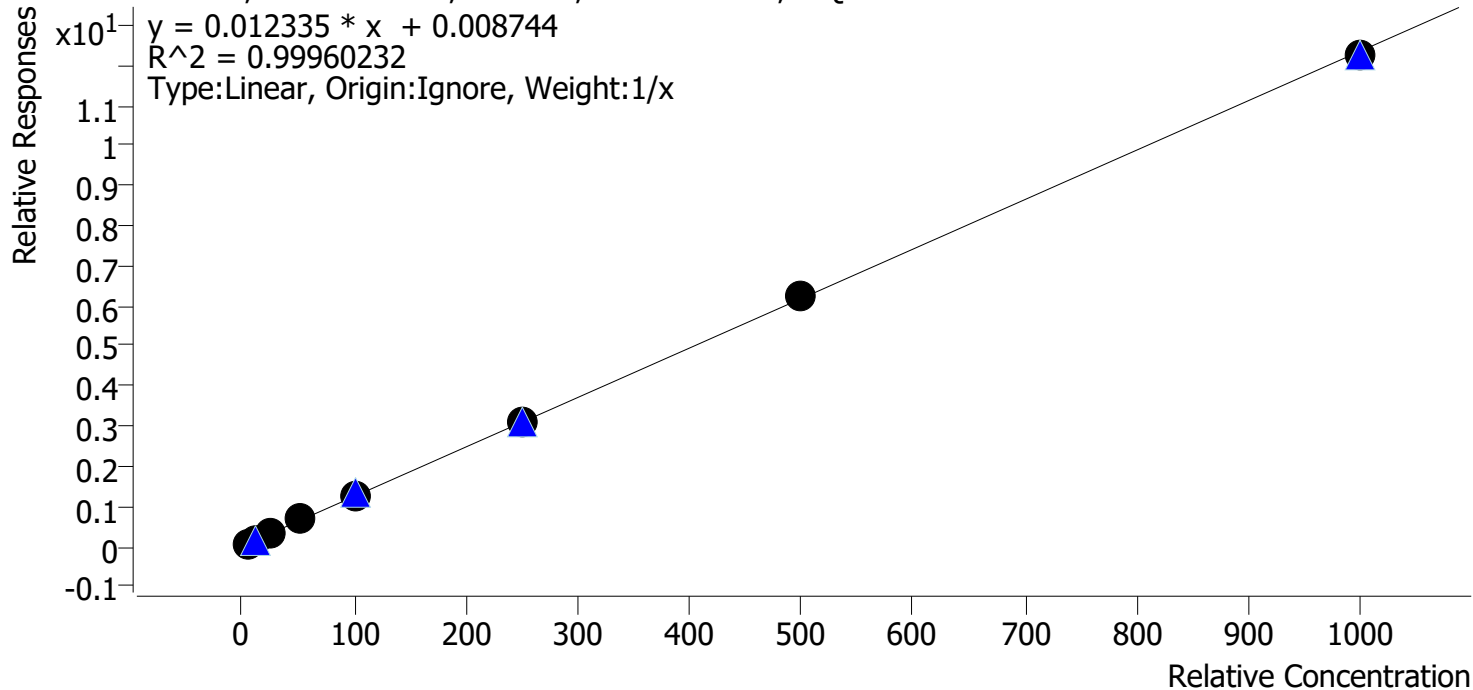
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine

**Internal Standard** Cocaine-d3

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



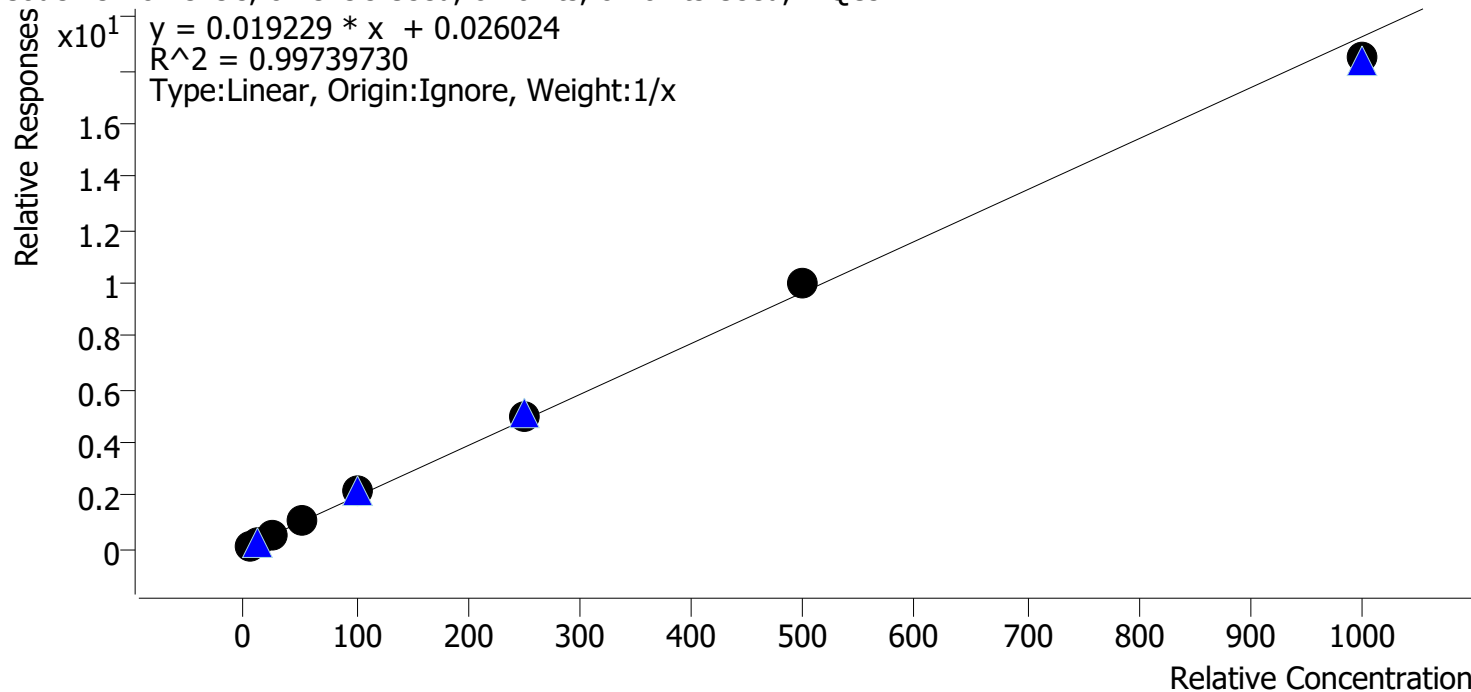
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.7
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	54.6	109.1
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	989.5	98.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



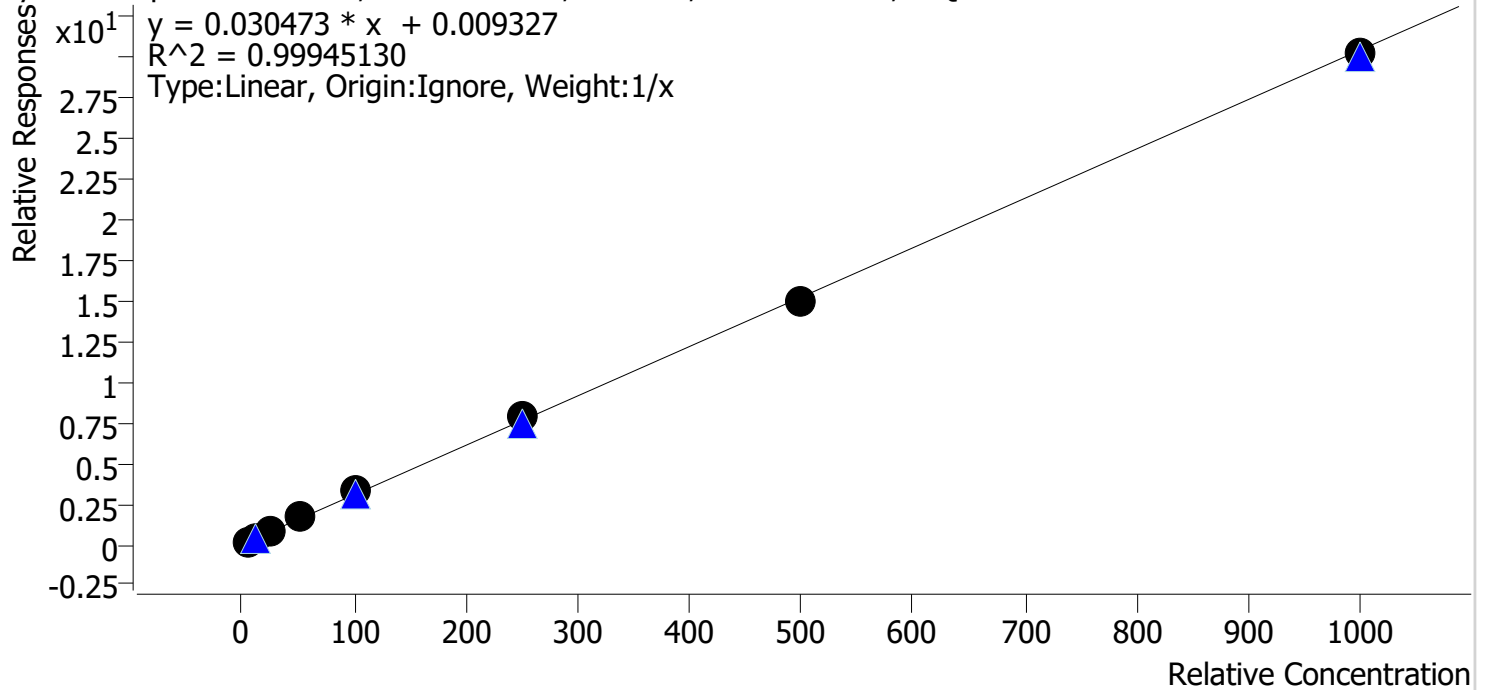
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	85.4
cal 2 mdq	2	✓	10.0	9.4	94.0
cal 3 mdq	3	✓	25.0	24.2	96.6
cal 4 mdq	4	✓	50.0	54.7	109.5
cal 5 mdq	5	✓	100.0	111.7	111.7
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	518.8	103.8
cal 8 mdq	8	✓	1000.0	959.0	95.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 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	4.8	96.5
cal 2 mdq	2	✓	10.0	9.2	92.0
cal 3 mdq	3	✓	25.0	24.5	97.8
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	255.7	102.3
cal 7 mdq	7	✓	500.0	493.3	98.7
cal 8 mdq	8	✓	1000.0	993.0	99.3

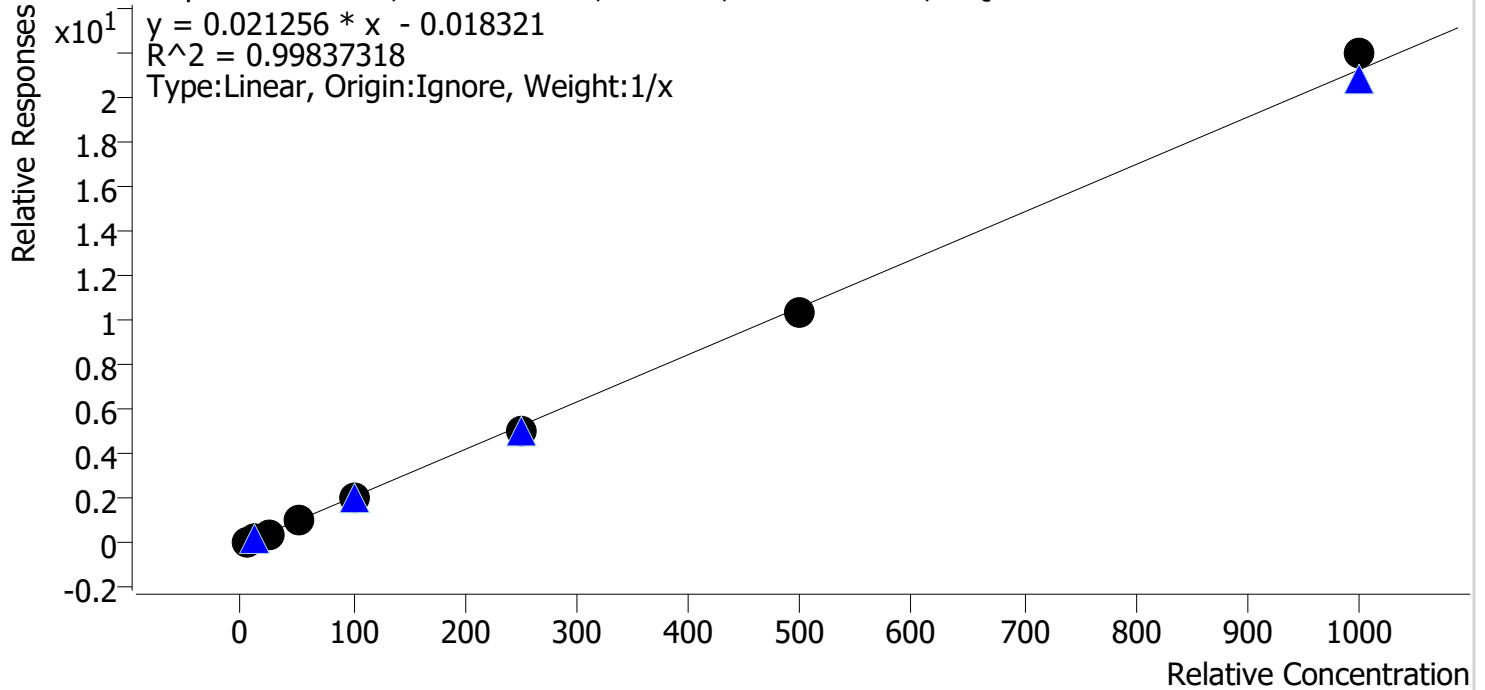


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

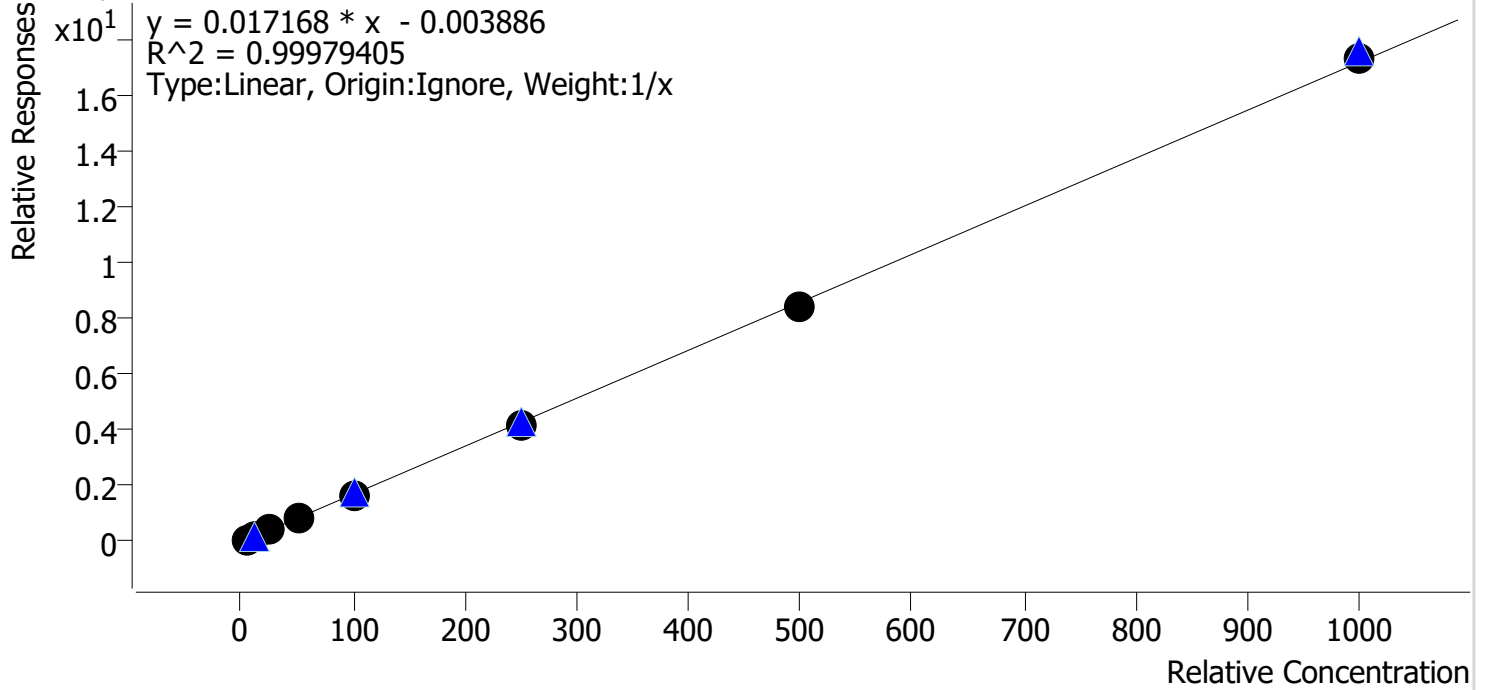


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	113.7
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	94.5	94.5
cal 6 mdq	6	✓	250.0	234.9	93.9
cal 7 mdq	7	✓	500.0	486.8	97.4
cal 8 mdq	8	✓	1000.0	1034.0	103.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



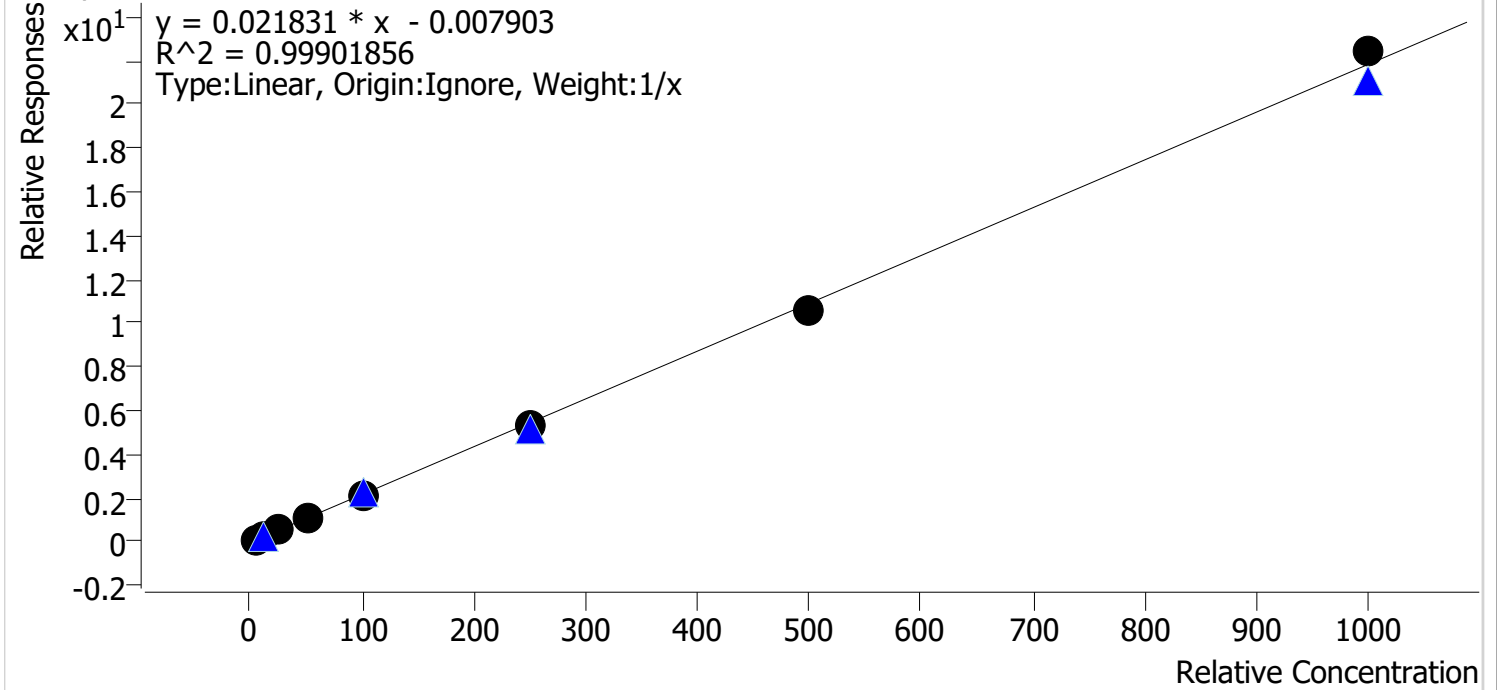
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.5
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.3	97.0
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	494.1	98.8
cal 8 mdq	8	✓	1000.0	1010.0	101.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



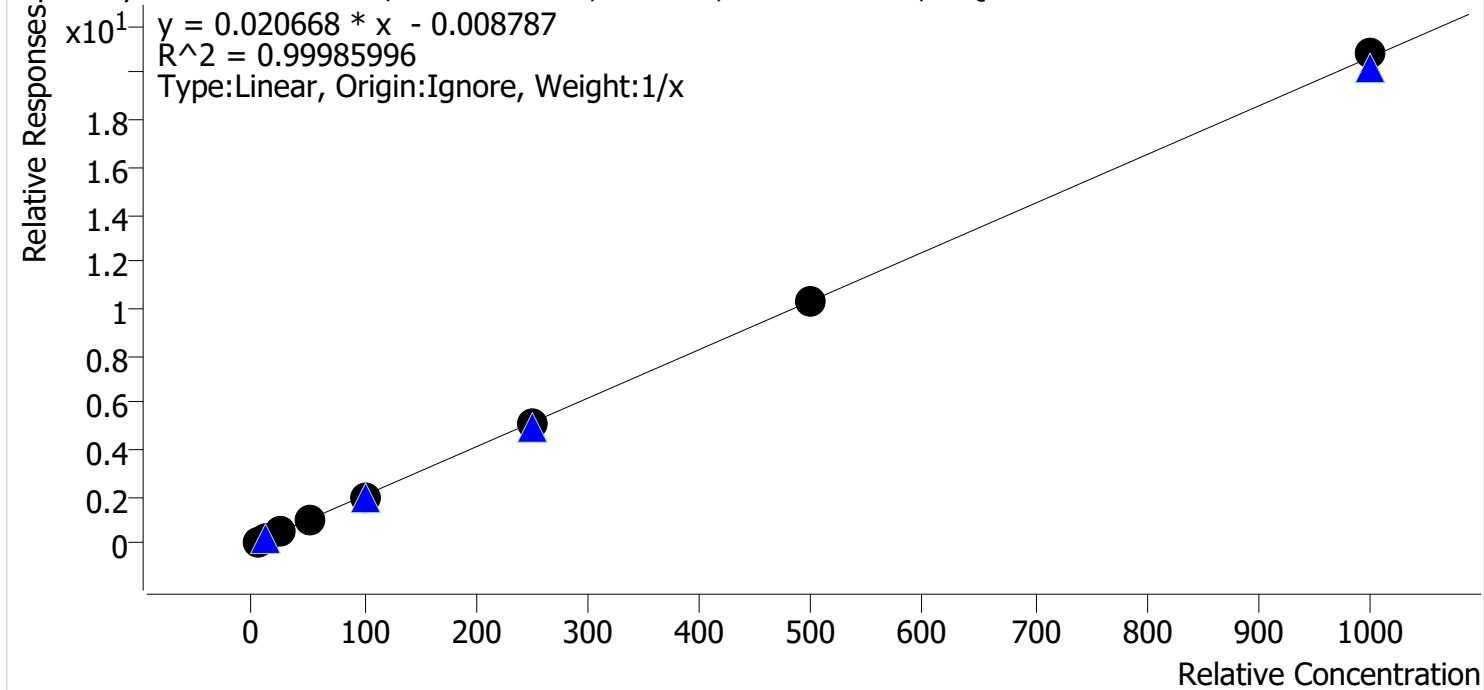
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	241.5	96.6
cal 7 mdq	7	✓	500.0	483.8	96.8
cal 8 mdq	8	✓	1000.0	1026.8	102.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

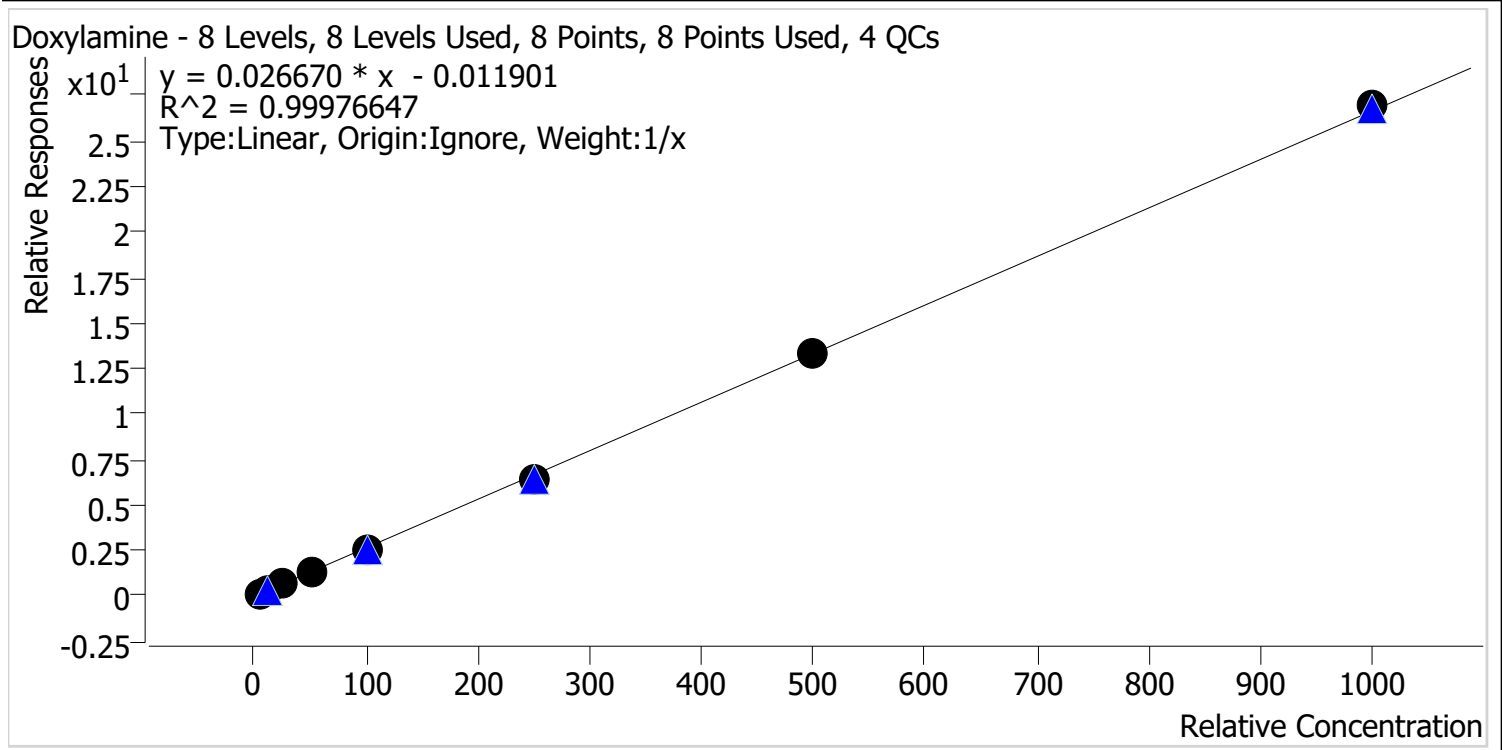
Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.8
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	1007.7	100.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



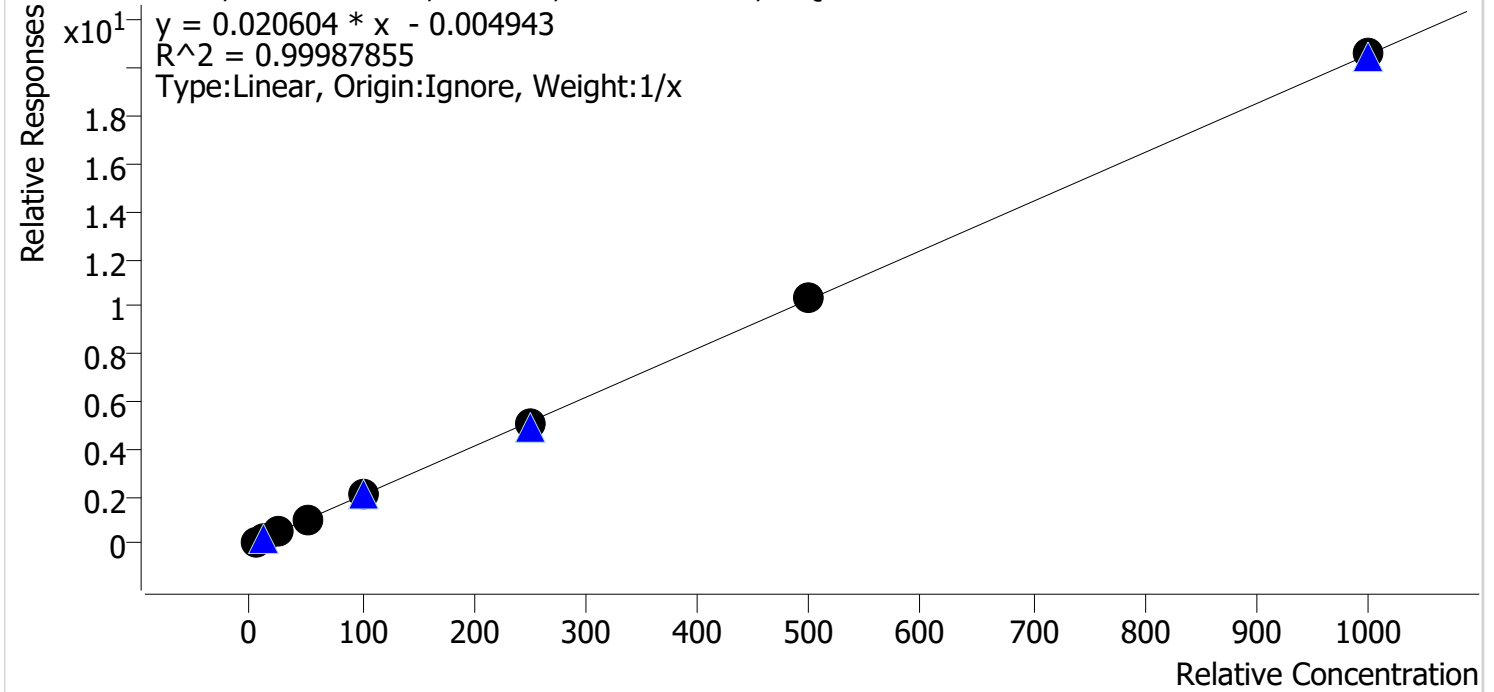
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.7
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.0	95.9
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	244.2	97.7
cal 7 mdq	7	✓	500.0	497.2	99.4
cal 8 mdq	8	✓	1000.0	1011.0	101.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 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	101.4
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	244.3	97.7
cal 7 mdq	7	✓	500.0	502.3	100.5
cal 8 mdq	8	✓	1000.0	1002.2	100.2

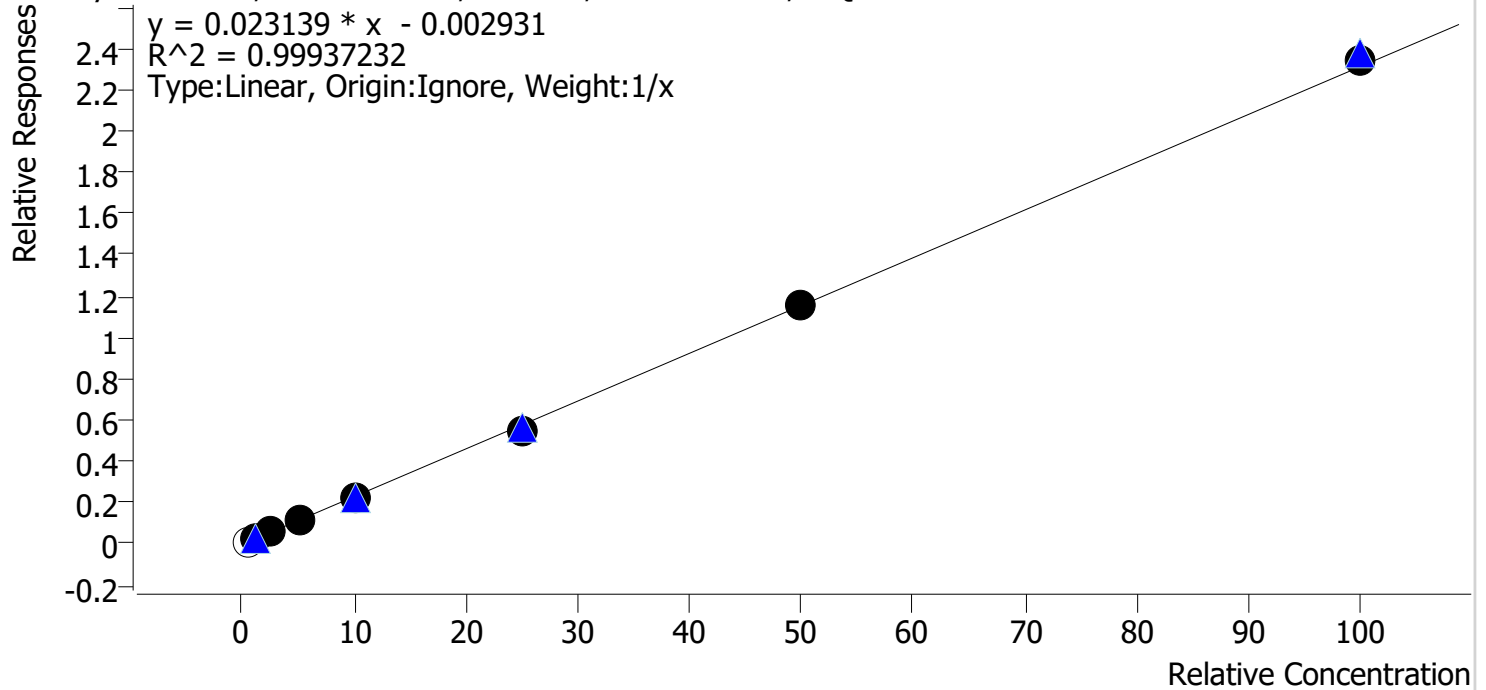


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 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	0.6	111.6
cal 2 mdq	2	✓	1.0	1.1	106.4
cal 3 mdq	3	✓	2.5	2.4	96.1
cal 4 mdq	4	✓	5.0	5.2	103.5
cal 5 mdq	5	✓	10.0	9.8	97.9
cal 6 mdq	6	✓	25.0	23.8	95.1
cal 7 mdq	7	✓	50.0	49.7	99.4
cal 8 mdq	8	✓	100.0	101.6	101.6

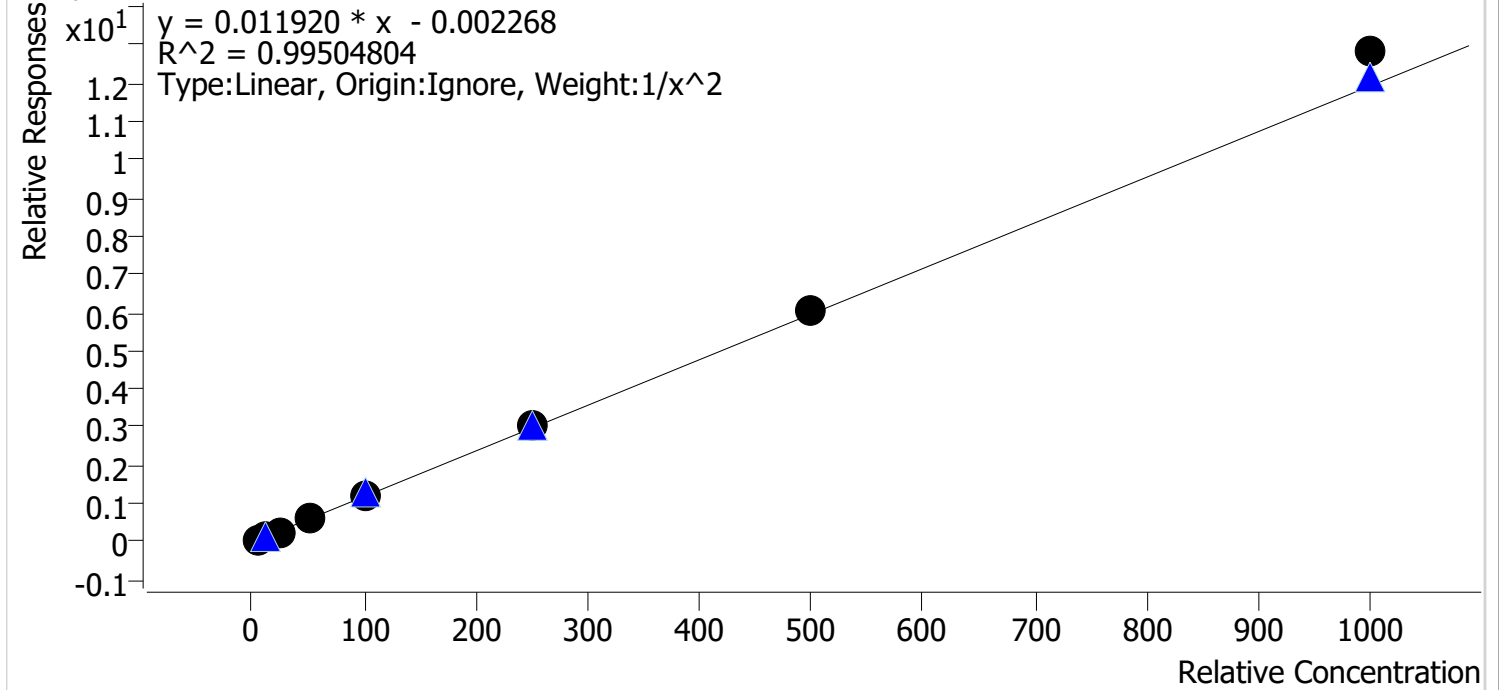


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

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



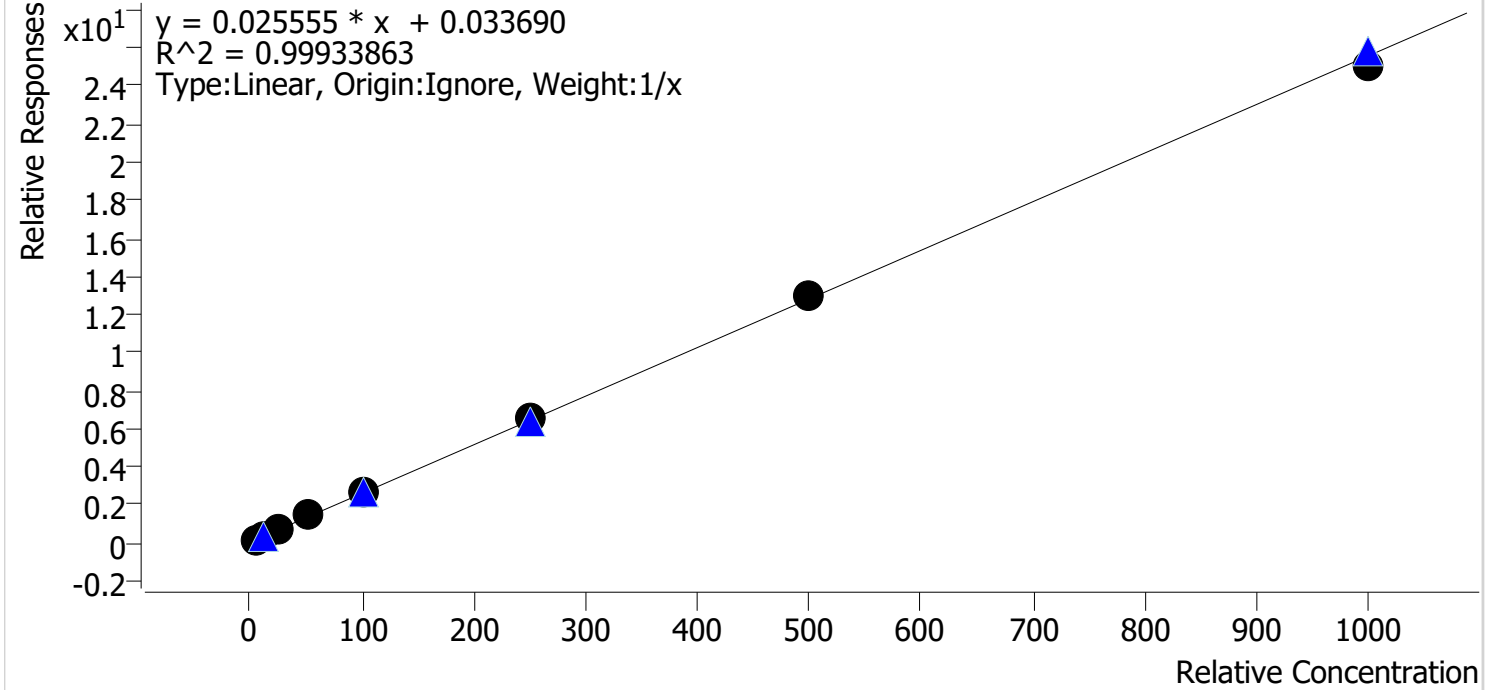
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.5
cal 2 mdq	2	✓	10.0	9.0	89.6
cal 3 mdq	3	✓	25.0	23.2	92.8
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	506.9	101.4
cal 8 mdq	8	✓	1000.0	1075.4	107.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



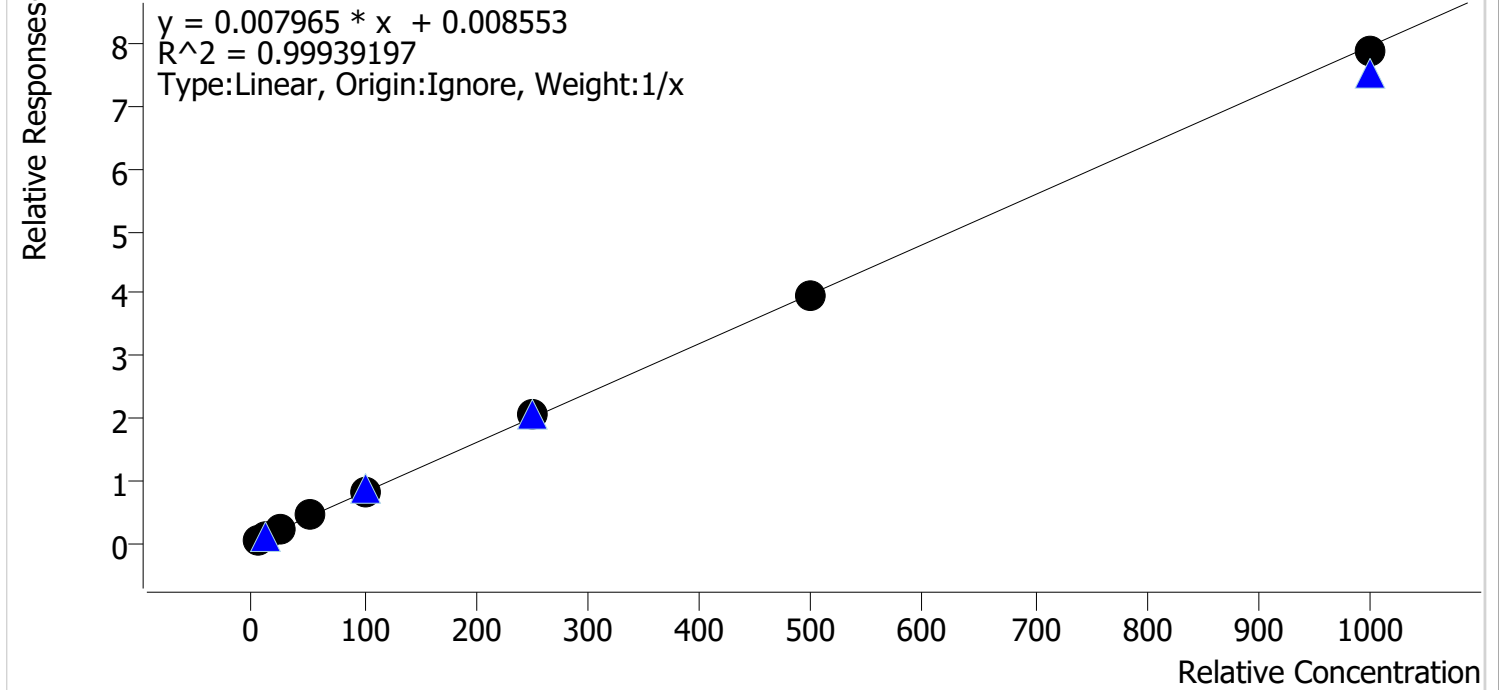
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	89.2
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	506.2	101.2
cal 8 mdq	8	✓	1000.0	980.8	98.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



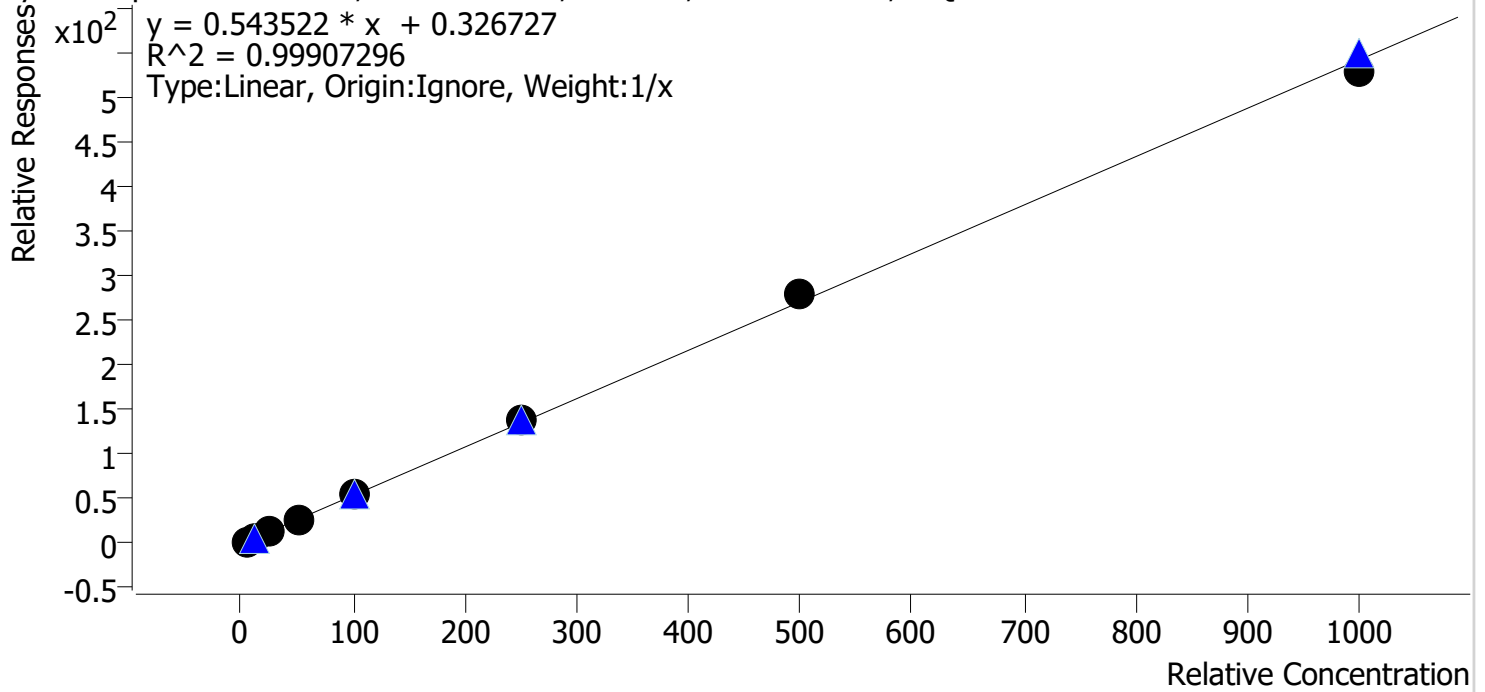
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.6
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	55.5	110.9
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	988.9	98.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6

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



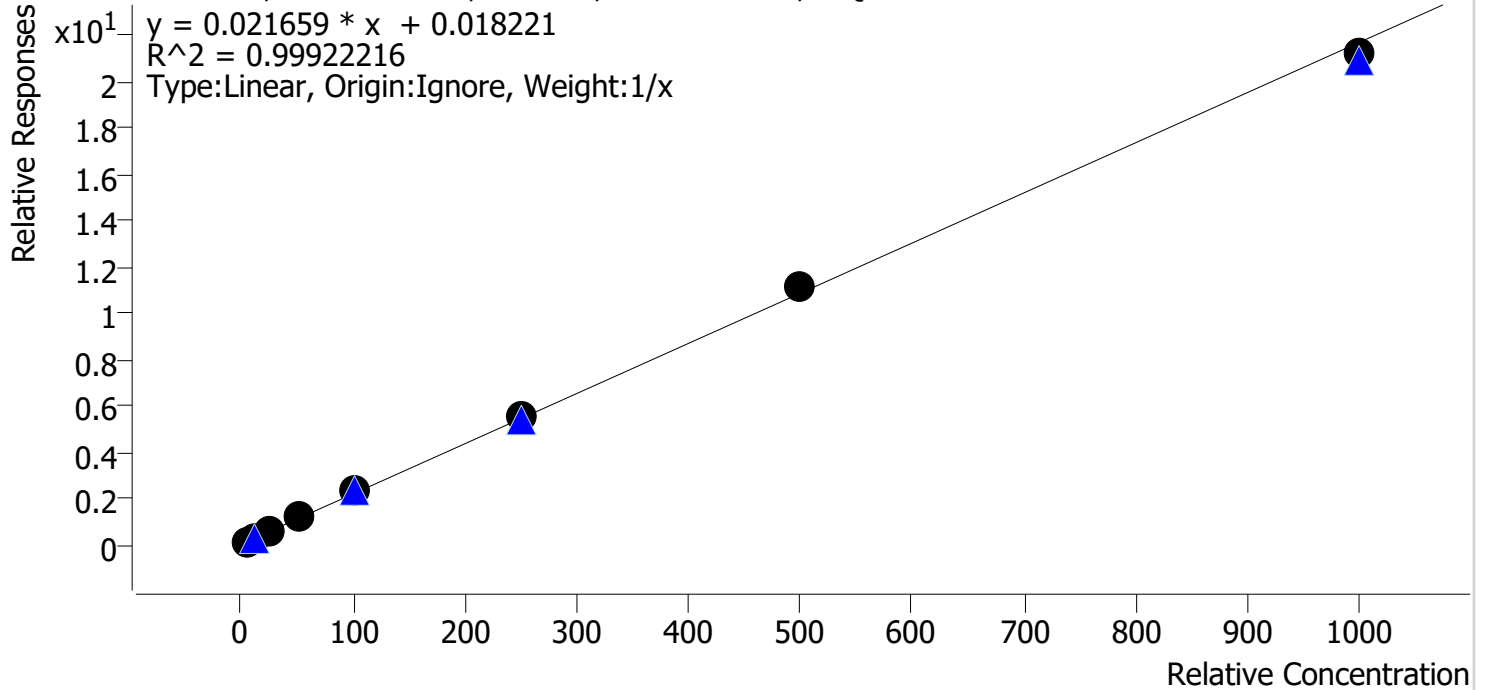
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	87.4
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	52.8	105.6
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	257.9	103.1
cal 7 mdq	7	✓	500.0	512.6	102.5
cal 8 mdq	8	✓	1000.0	973.5	97.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.5
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	103.4	103.4
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	512.0	102.4
cal 8 mdq	8	✓	1000.0	977.8	97.8

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin

**Last Cal. Update** 2/3/2021 11:32 AM

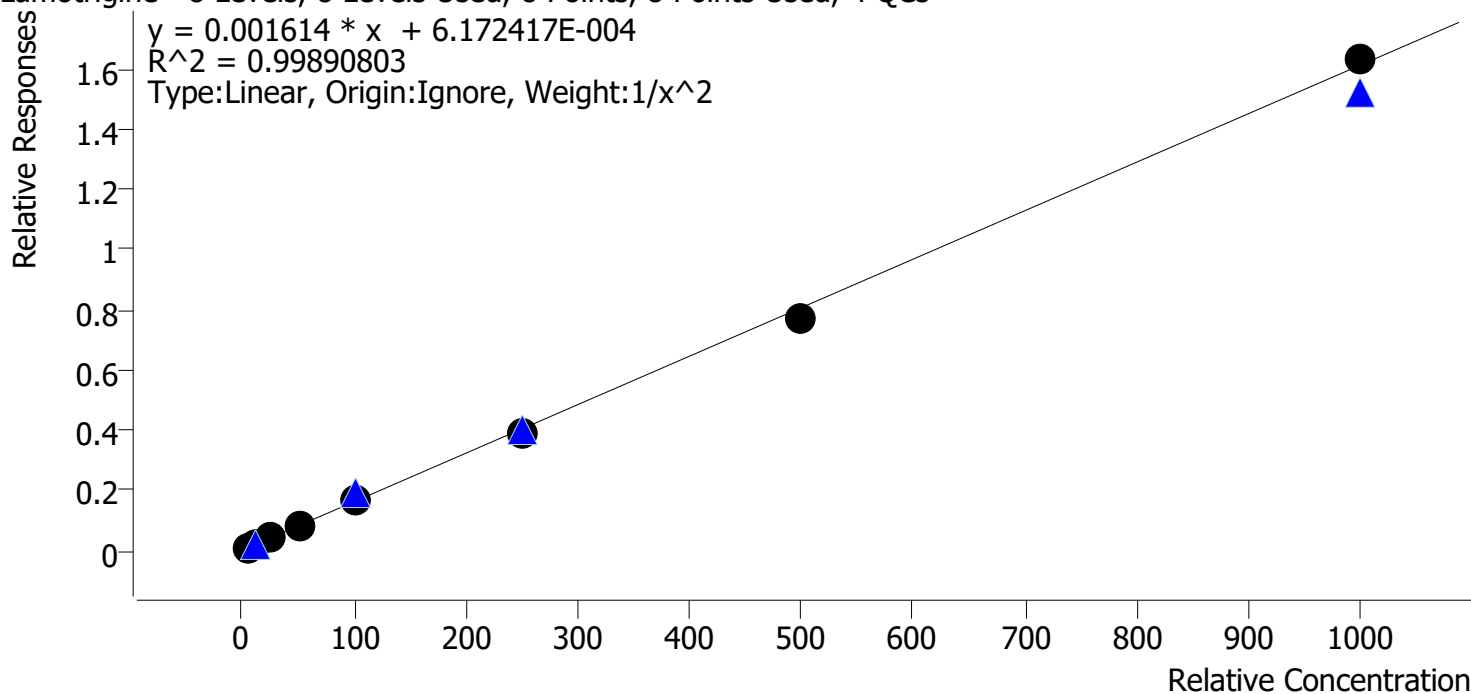
**Analyst Name** ISP\datastor

**Analyte** Lamotrigine

**Internal Standard**

MDA-D5

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

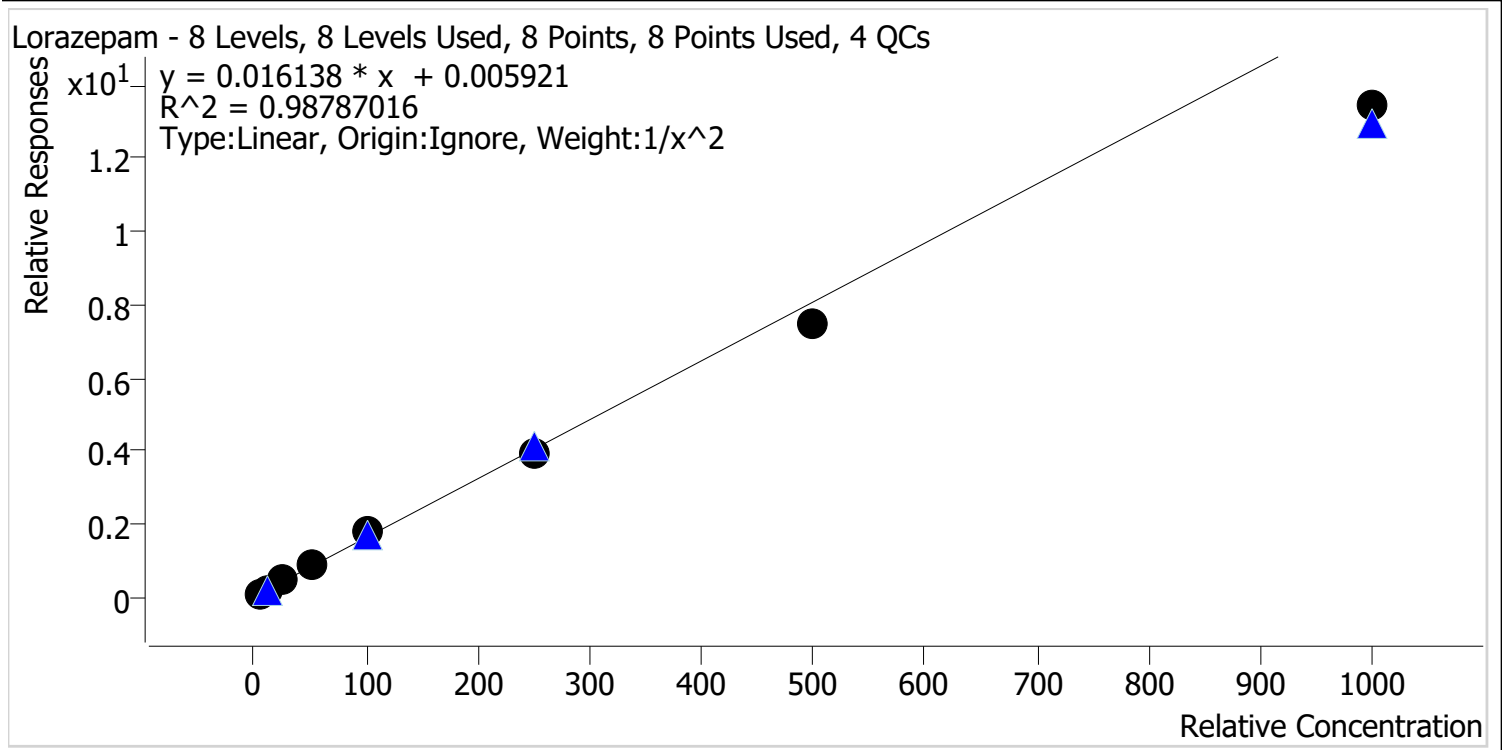


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	242.5	97.0
cal 7 mdq	7	✓	500.0	479.0	95.8
cal 8 mdq	8	✓	1000.0	1011.6	101.2

# Compound Calibration Report



**Batch results**                 D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update**            2/3/2021 11:32 AM  
**Analyst Name**                ISP\datastor  
**Analyte**                        Lorazepam   **Internal Standard**                 Oxazepam-D5



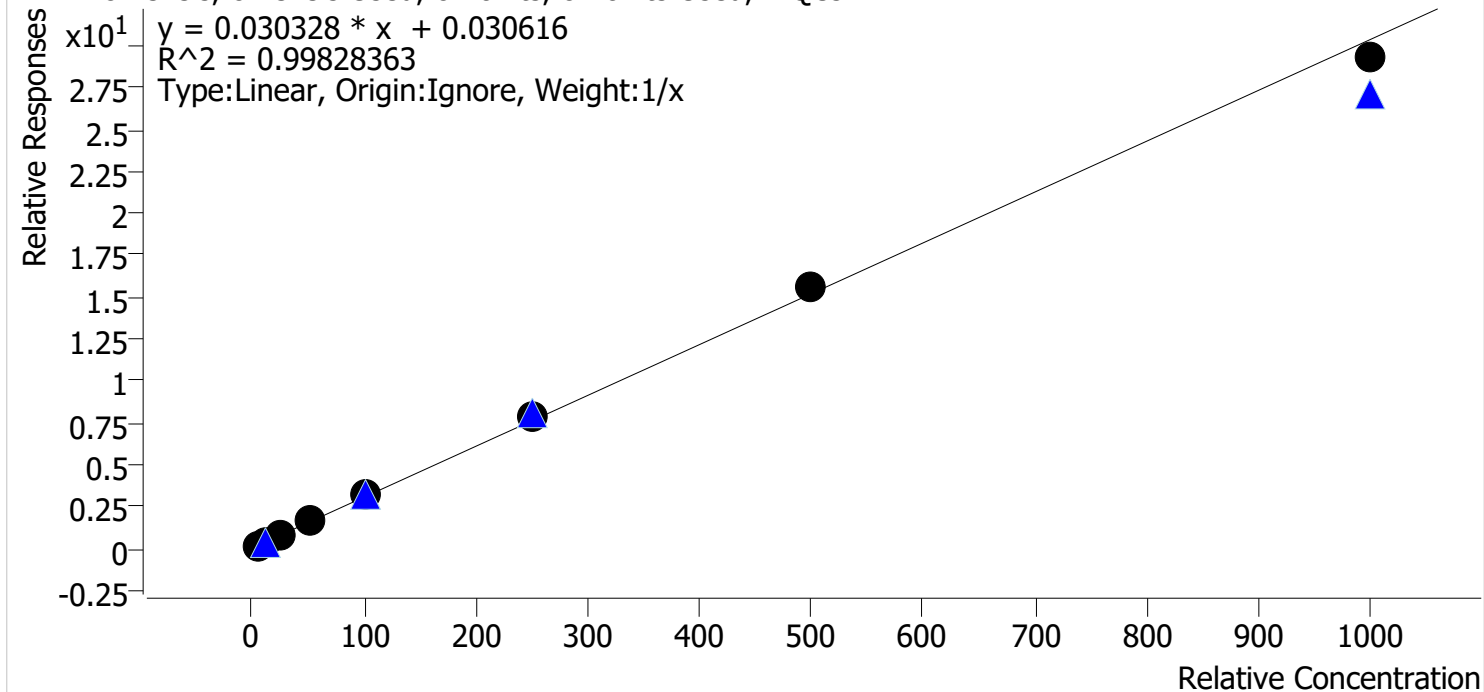
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.7
cal 2 mdq	2	✓	10.0	10.6	105.7
cal 3 mdq	3	✓	25.0	26.2	104.9
cal 4 mdq	4	✓	50.0	56.3	112.6
cal 5 mdq	5	✓	100.0	108.2	108.2
cal 6 mdq	6	✓	250.0	244.2	97.7
cal 7 mdq	7	✓	500.0	464.2	92.8
cal 8 mdq	8	✓	1000.0	833.1	83.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 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	4.3	86.8
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	54.8	109.5
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	260.6	104.2
cal 7 mdq	7	✓	500.0	516.6	103.3
cal 8 mdq	8	✓	1000.0	964.5	96.5





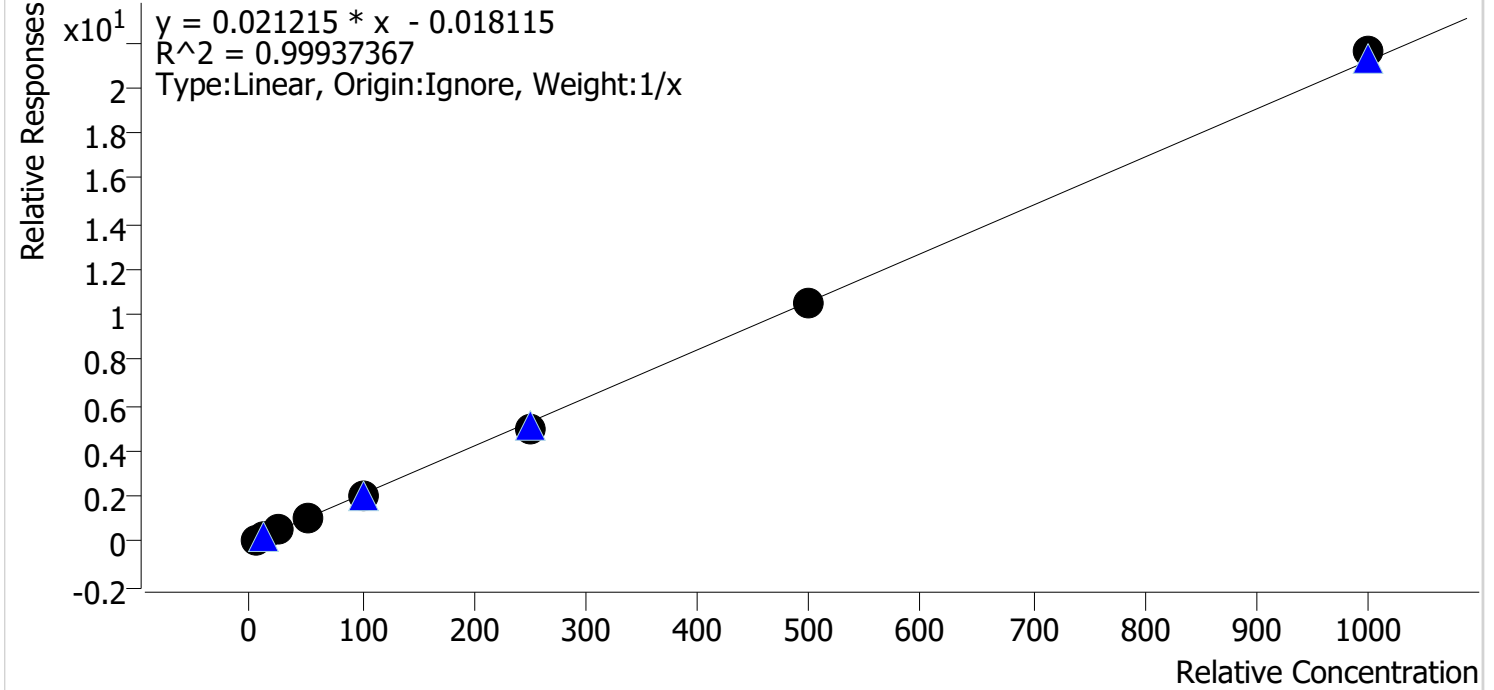


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



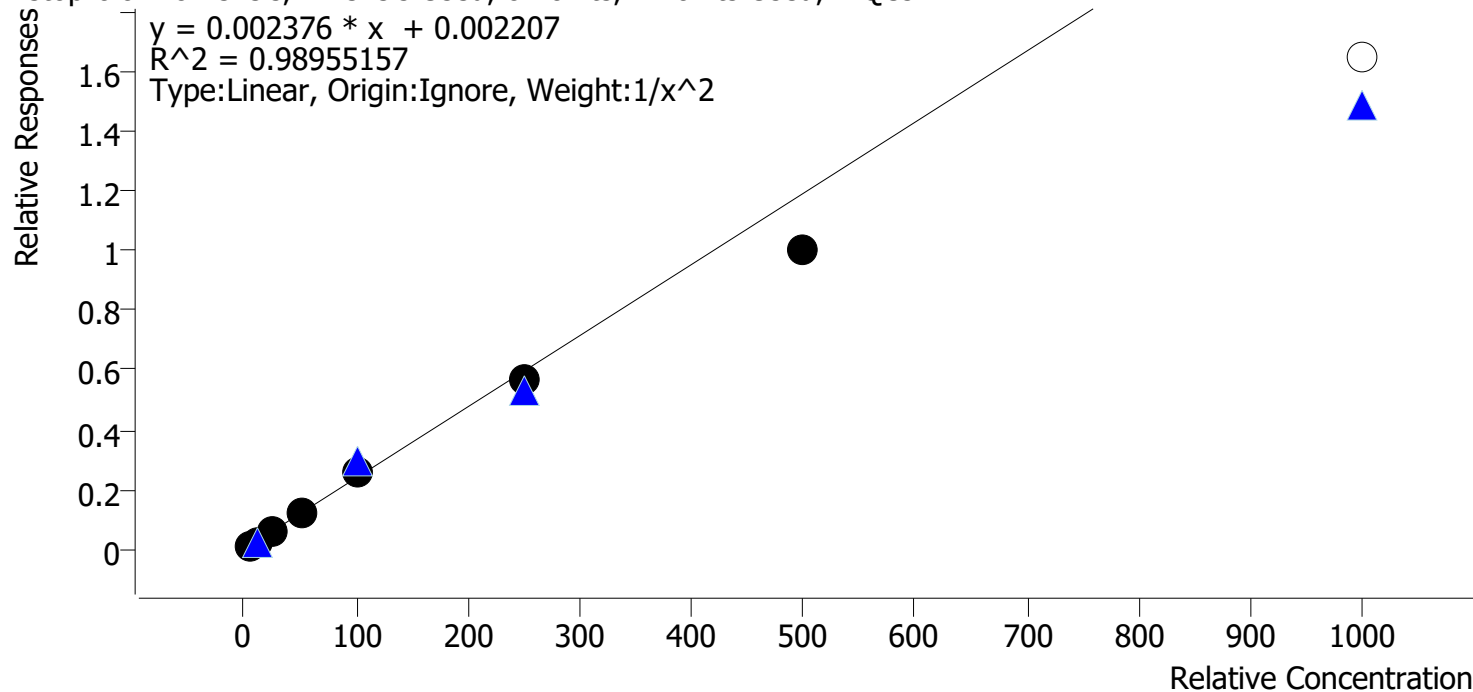
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	111.3
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.0	95.8
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	239.1	95.6
cal 7 mdq	7	✓	500.0	494.3	98.9
cal 8 mdq	8	✓	1000.0	1019.3	101.9

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** EDDP-D3

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



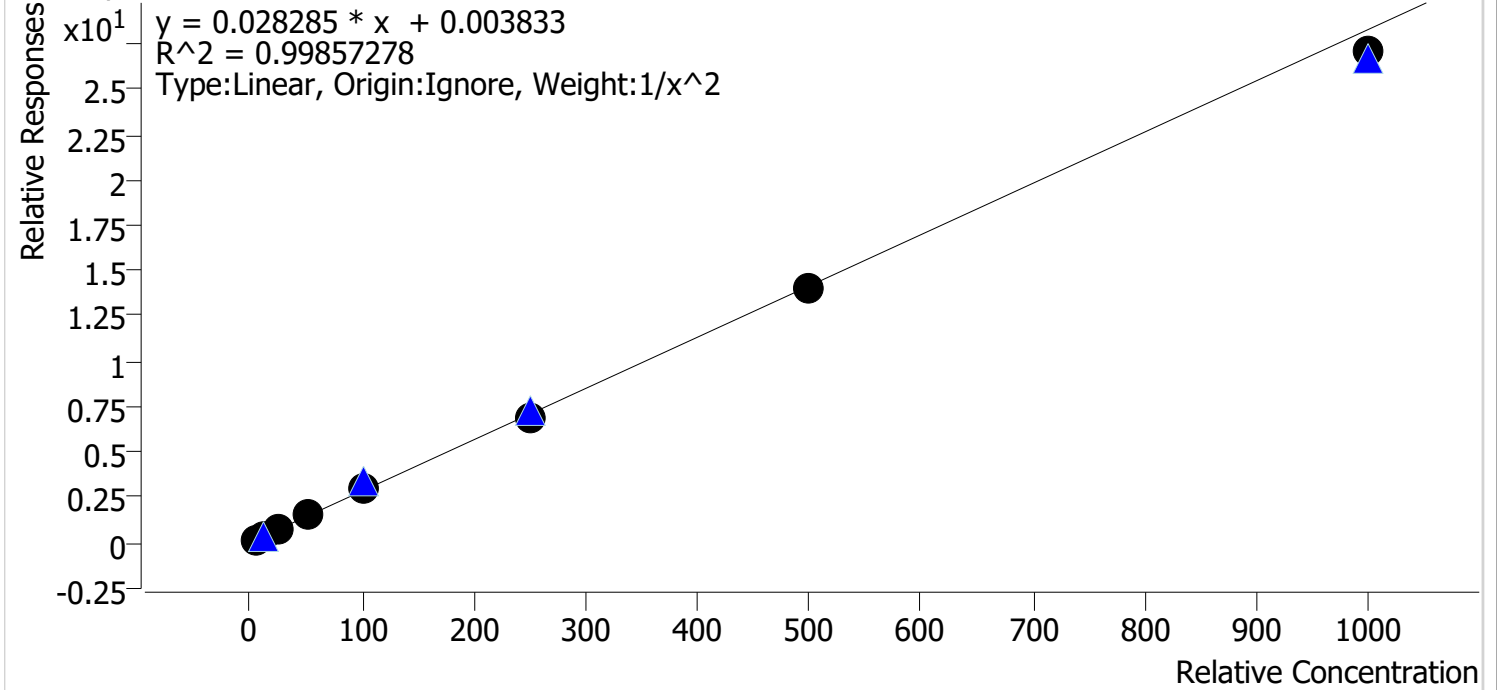
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.7
cal 2 mdq	2	✓	10.0	10.7	107.1
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	238.8	95.5
cal 7 mdq	7	✓	500.0	422.3	84.5
cal 8 mdq	8	✗	1000.0	690.8	69.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9

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



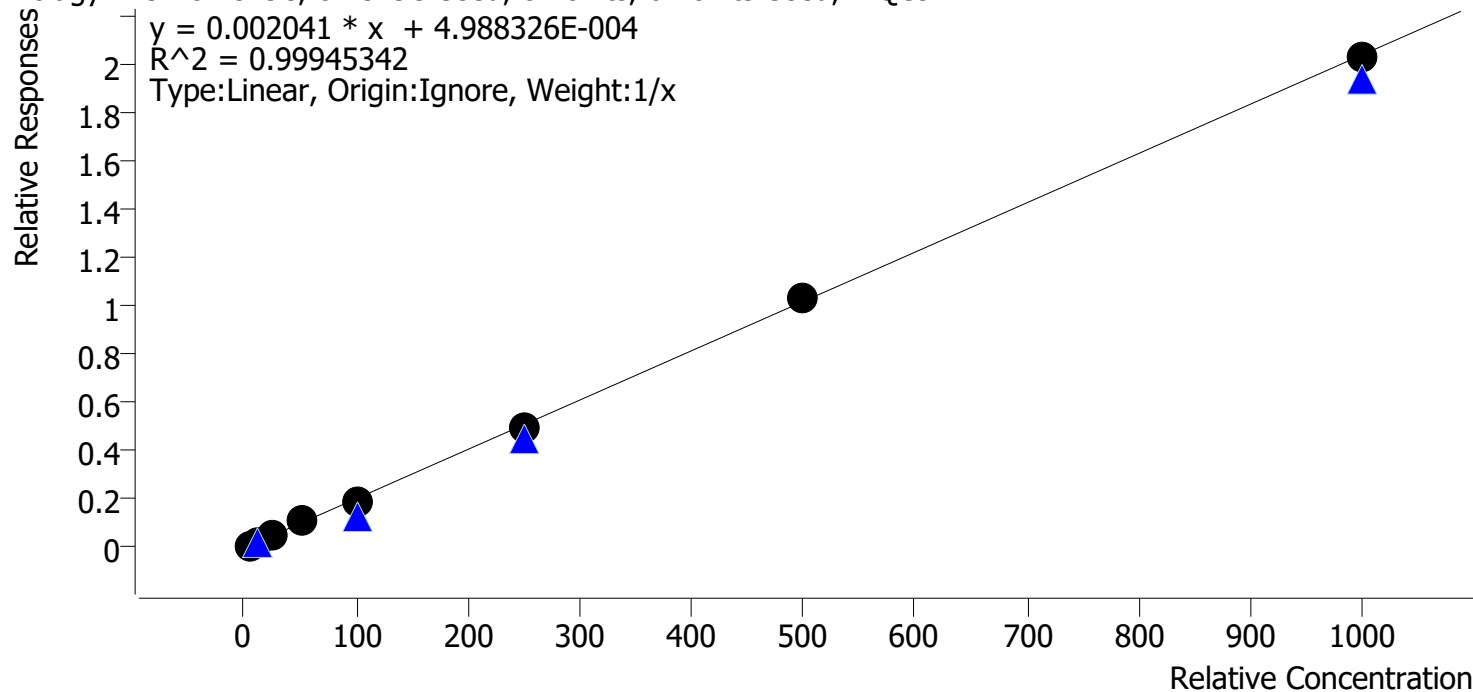
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	957.0	95.7

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** EDDP-D3

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



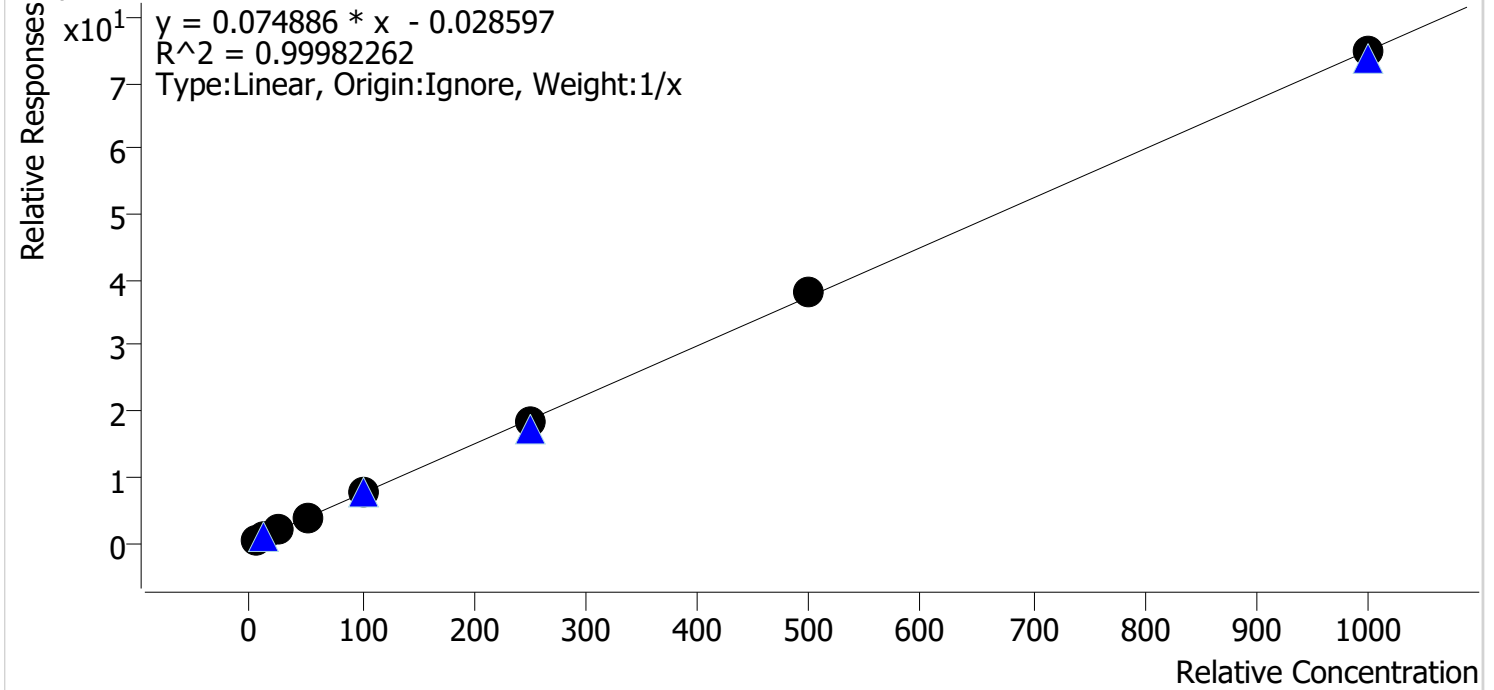
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.4
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	55.1	110.3
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	508.3	101.7
cal 8 mdq	8	✓	1000.0	994.5	99.5

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



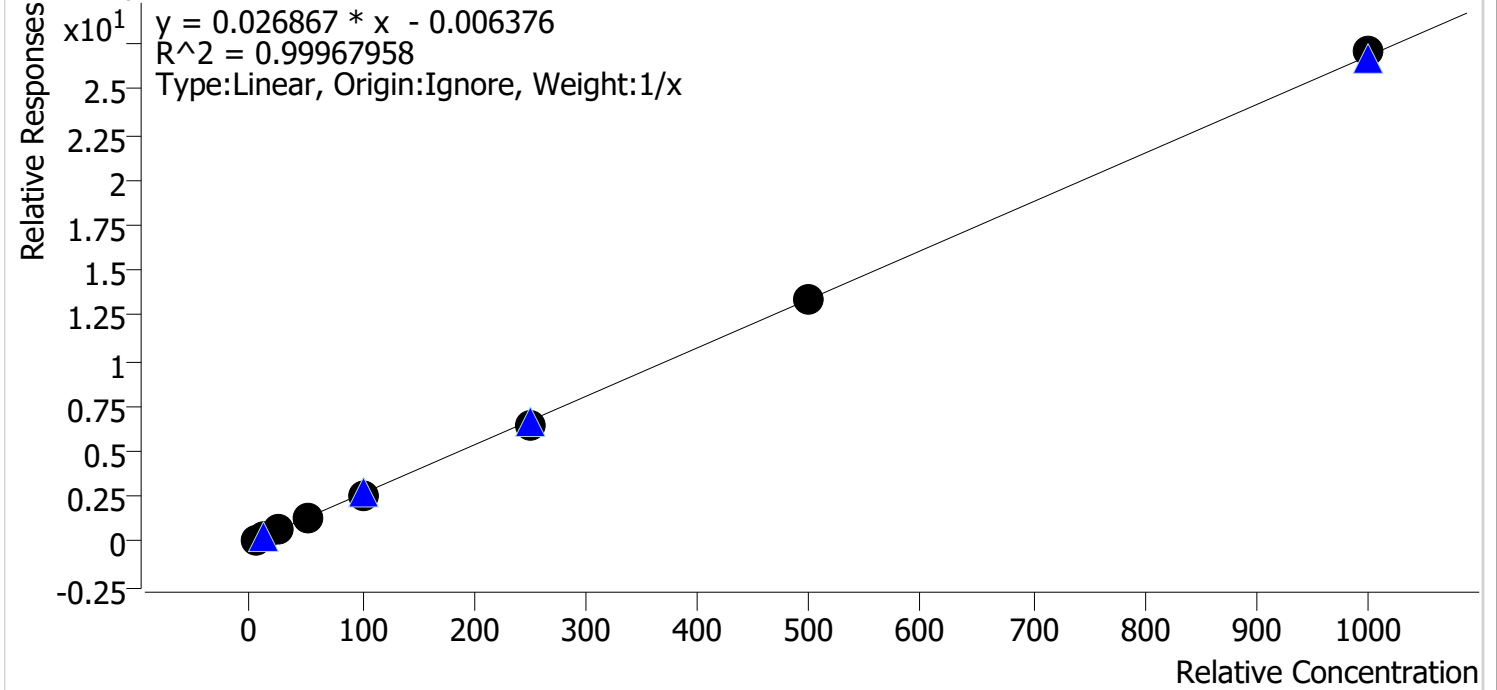
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	111.3
cal 2 mdq	2	✓	10.0	9.3	93.4
cal 3 mdq	3	✓	25.0	24.2	97.0
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	246.1	98.5
cal 7 mdq	7	✓	500.0	507.3	101.5
cal 8 mdq	8	✓	1000.0	998.0	99.8

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Nordiazepam	<b>Internal Standard</b>	Nordiazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.3
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	242.1	96.8
cal 7 mdq	7	✓	500.0	498.0	99.6
cal 8 mdq	8	✓	1000.0	1009.1	100.9

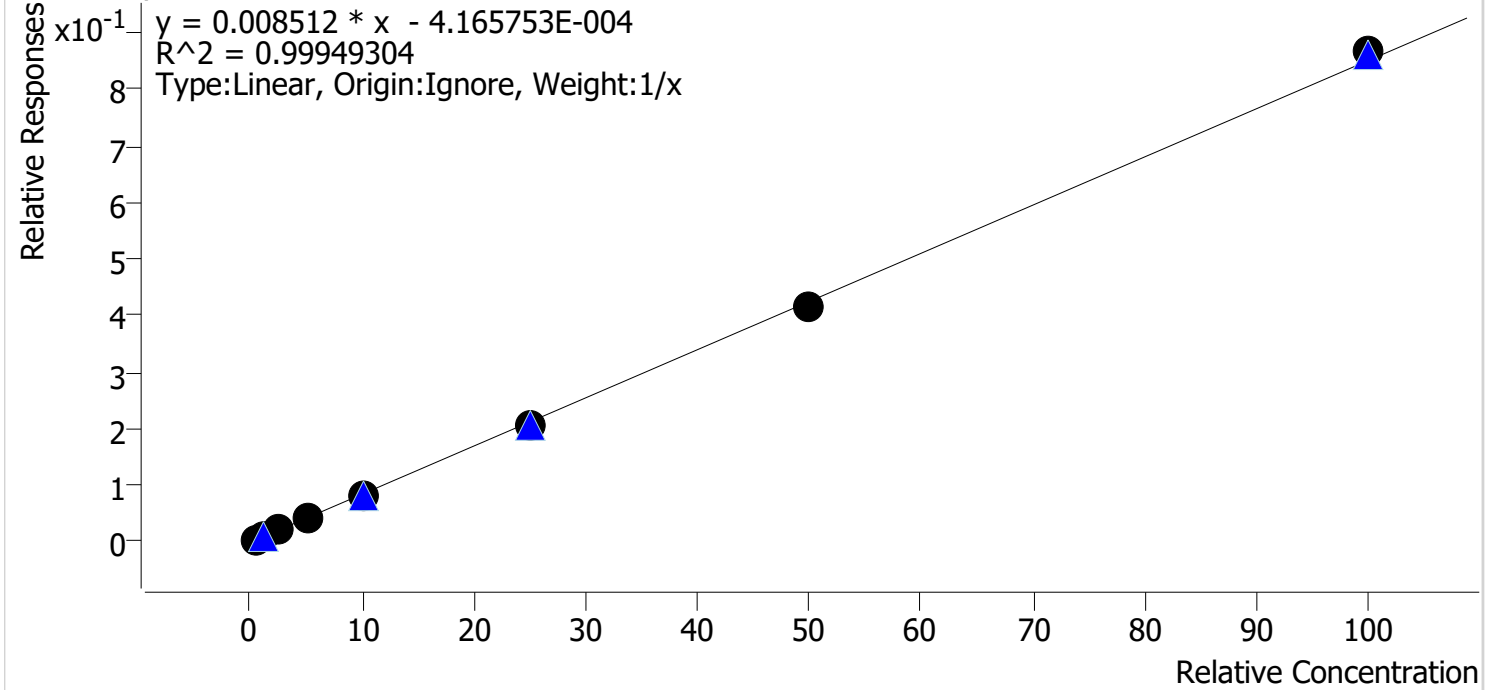


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

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



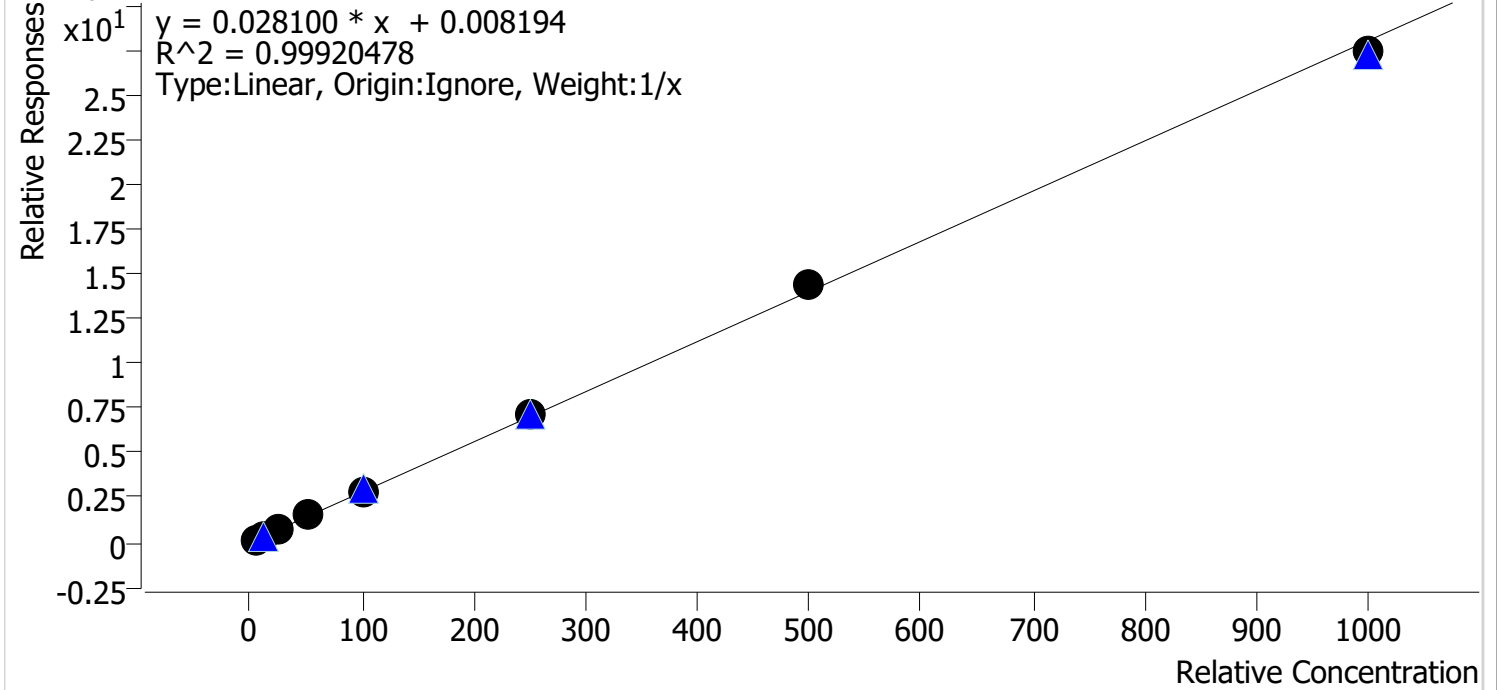
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	109.6
cal 2 mdq	2	✓	1.0	1.0	98.8
cal 3 mdq	3	✓	2.5	2.4	95.7
cal 4 mdq	4	✓	5.0	5.0	99.0
cal 5 mdq	5	✓	10.0	10.0	100.2
cal 6 mdq	6	✓	25.0	24.2	96.7
cal 7 mdq	7	✓	50.0	49.1	98.1
cal 8 mdq	8	✓	100.0	101.9	101.9

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Noroxycodone	<b>Internal Standard</b>	Noroxycodone-D3

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

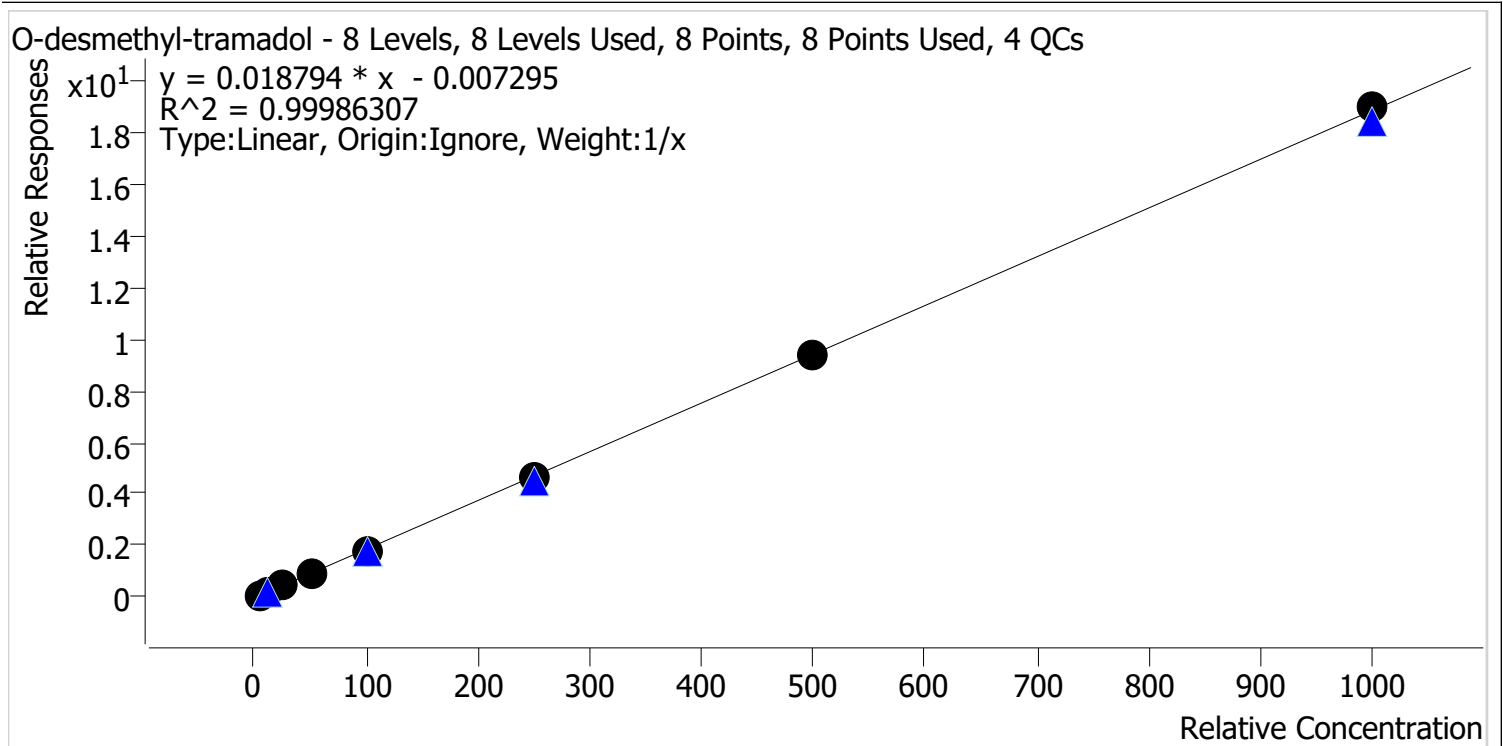


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	9.5	95.4
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	54.3	108.7
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	515.5	103.1
cal 8 mdq	8	✓	1000.0	978.3	97.8

# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	O-desmethyl-tramadol	<b>Internal Standard</b>	O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.1	96.2
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	244.4	97.8
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	1006.8	100.7



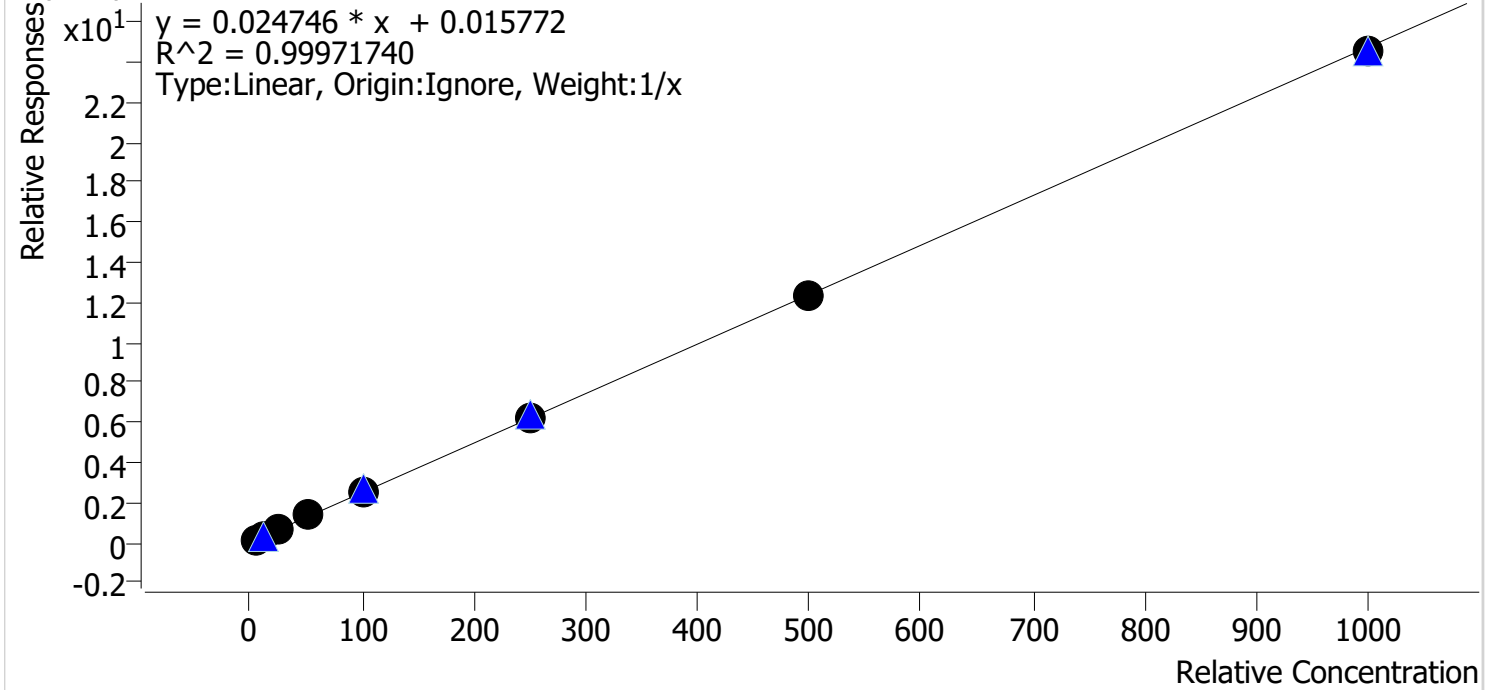


# Compound Calibration Report



<b>Batch results</b>	D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	2/3/2021 11:32 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Oxymorphone	<b>Internal Standard</b>	Oxymorphone-D3

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



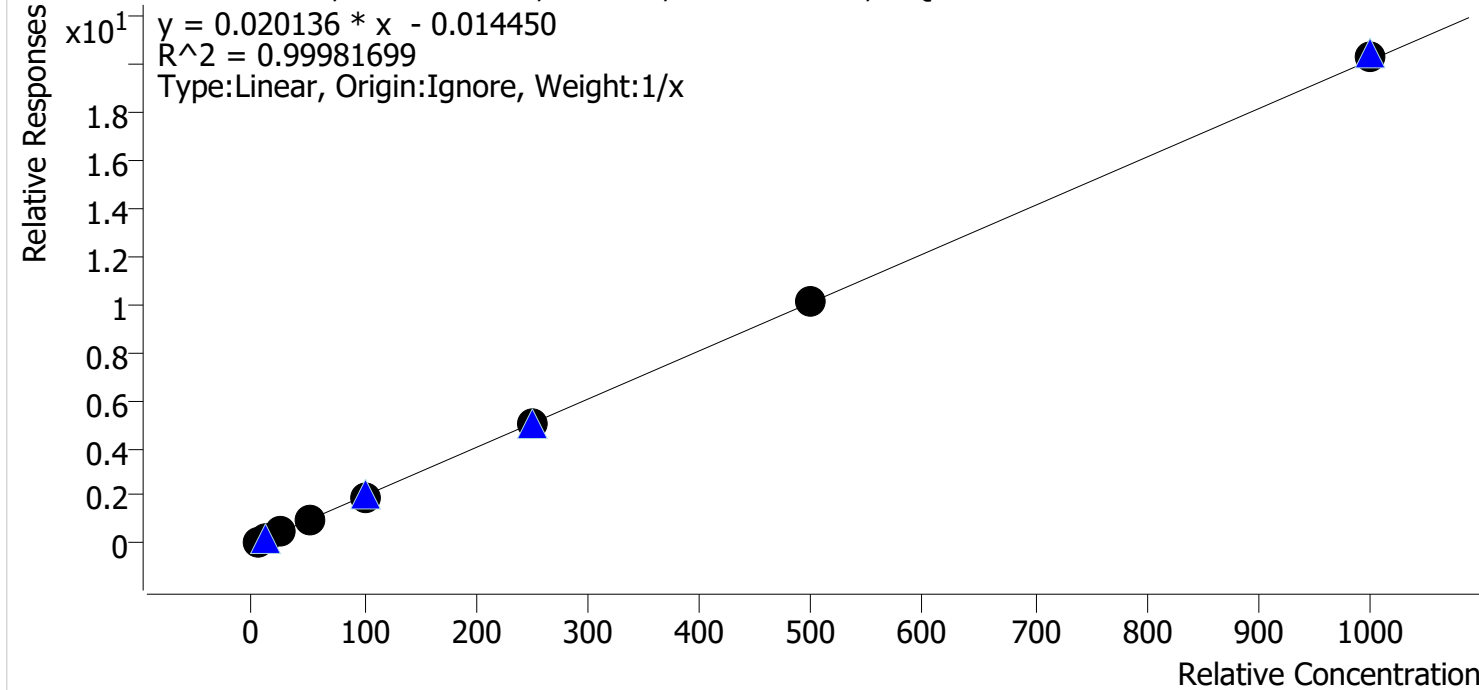
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.4
cal 2 mdq	2	✓	10.0	9.7	96.7
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	501.1	100.2
cal 8 mdq	8	✓	1000.0	991.1	99.1

# Compound Calibration Report



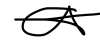
**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



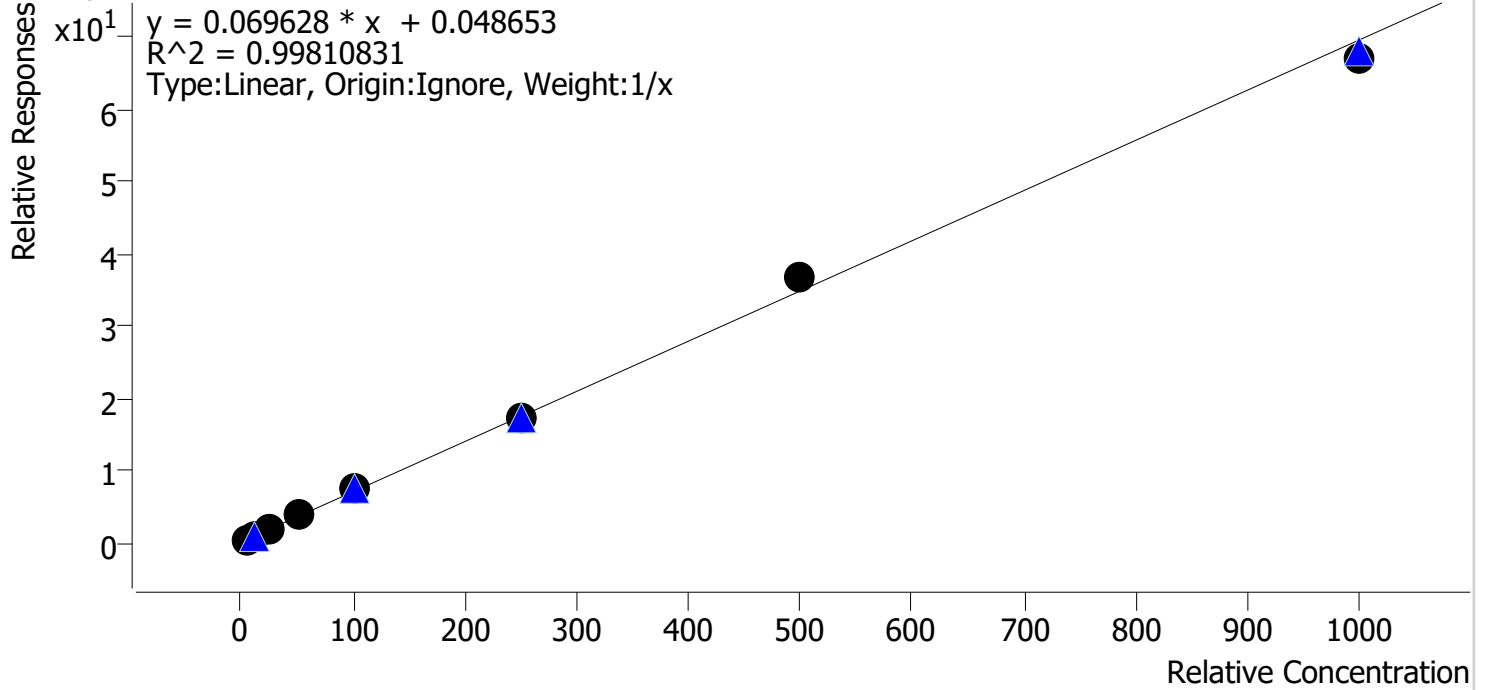
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.5
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	23.5	94.2
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	246.4	98.6
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	1004.0	100.4

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.4
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	54.4	108.9
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	526.2	105.2
cal 8 mdq	8	✓	1000.0	965.2	96.5

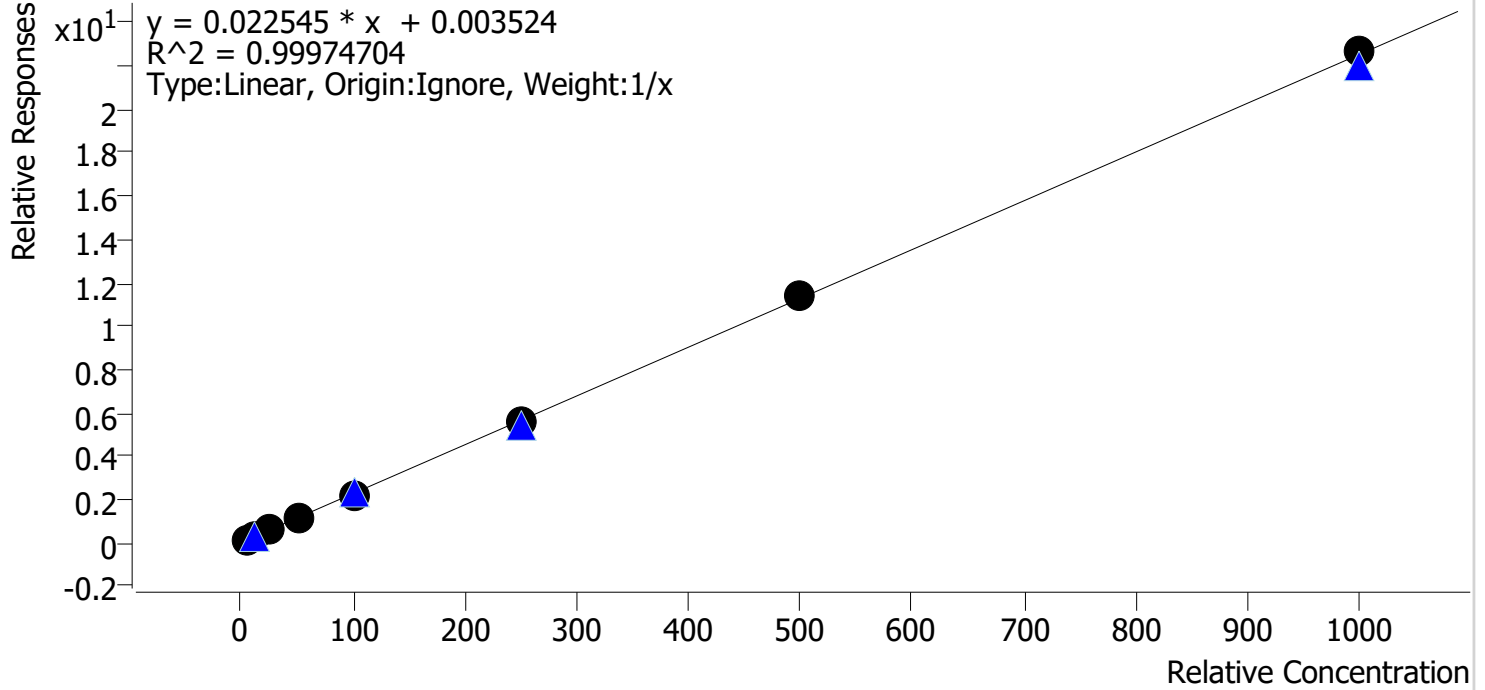


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

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



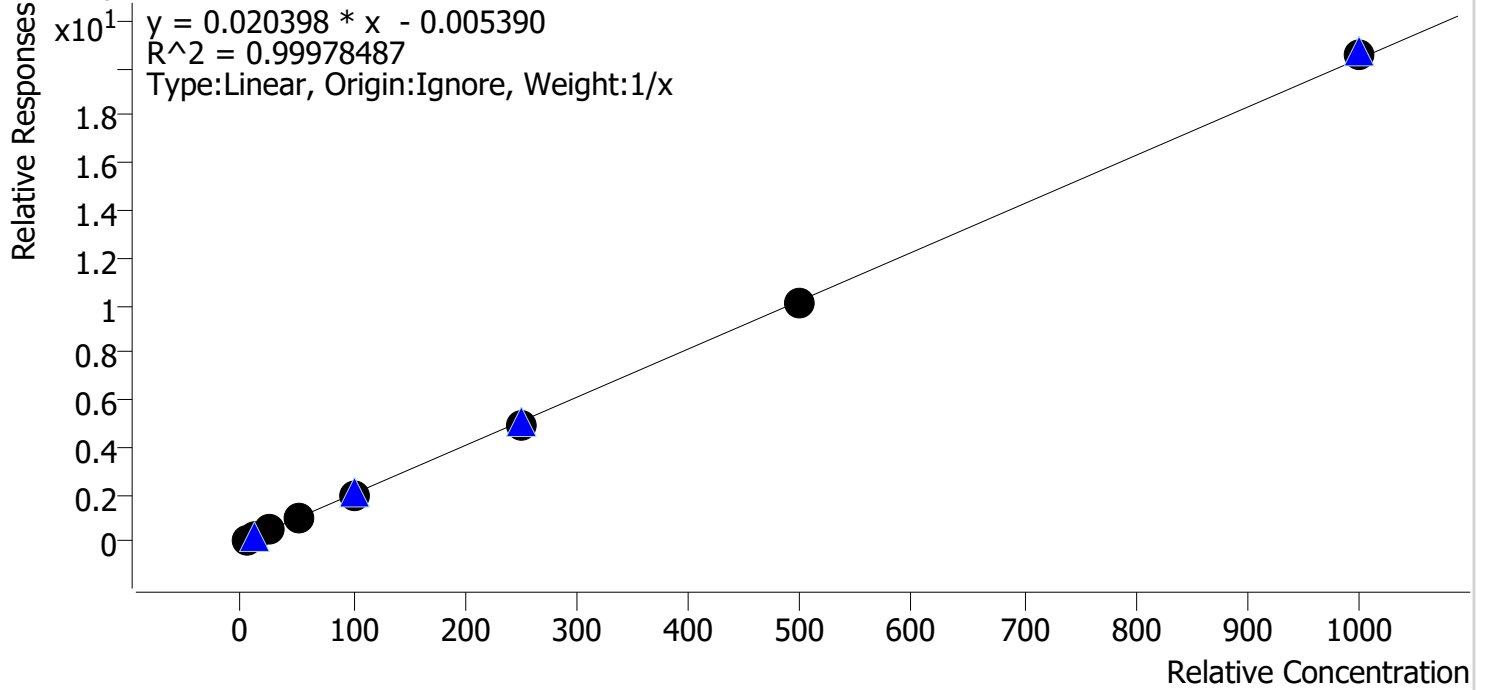
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.0
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.7	99.0
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	244.9	98.0
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	1006.0	100.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



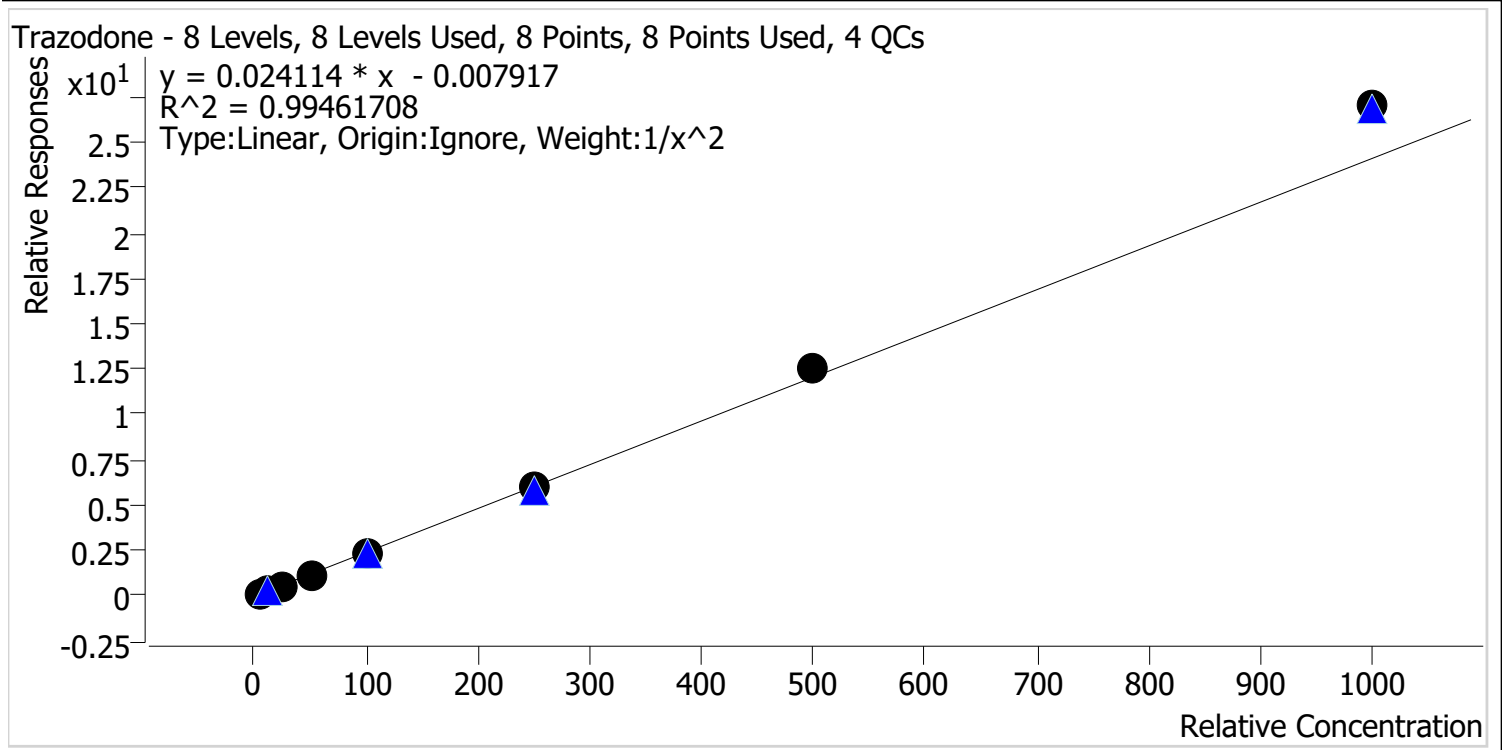
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.1
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1010.9	101.1



# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

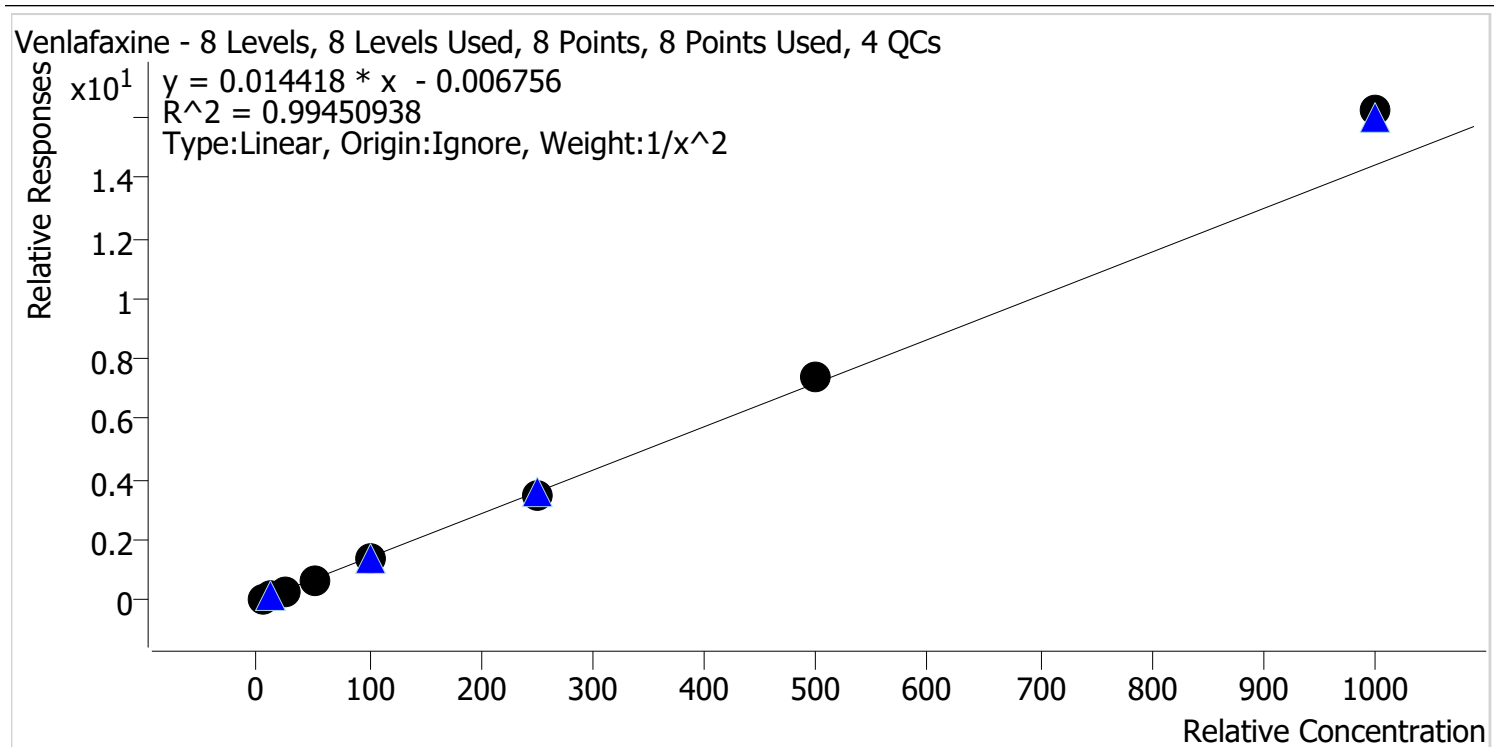


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.0
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	23.1	92.4
cal 4 mdq	4	✓	50.0	48.8	97.5
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	245.9	98.3
cal 7 mdq	7	✓	500.0	522.1	104.4
cal 8 mdq	8	✓	1000.0	1120.7	112.1

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Last Cal. Update** 2/3/2021 11:32 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.9
cal 2 mdq	2	✓	10.0	9.3	93.2
cal 3 mdq	3	✓	25.0	23.3	93.4
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	246.1	98.4
cal 7 mdq	7	✓	500.0	510.4	102.1
cal 8 mdq	8	✓	1000.0	1124.8	112.5



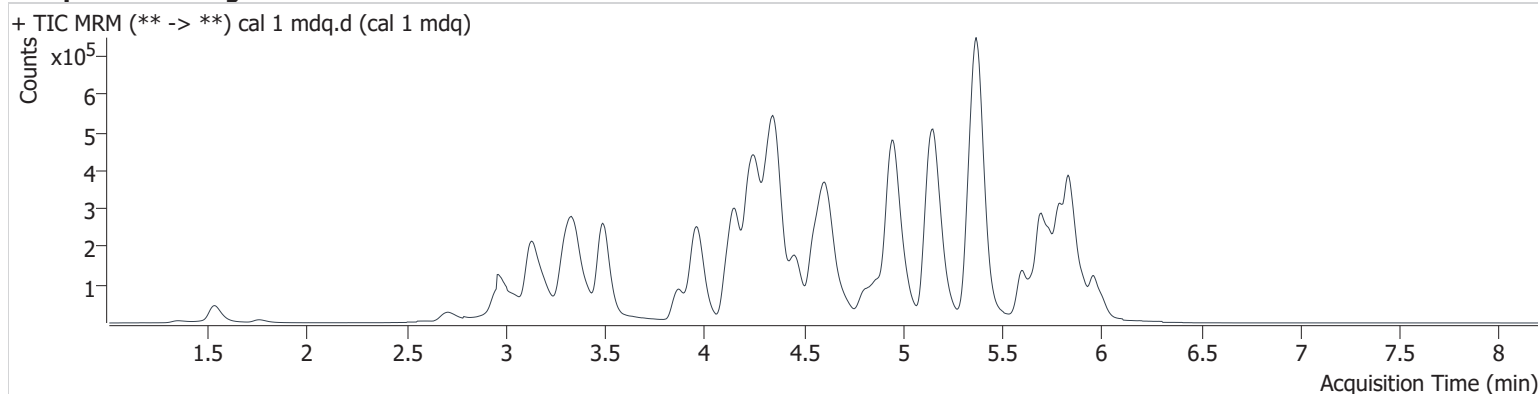


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

**Instrument** 69679 **Data File** cal 1 mdq.d  
**Type** Cal **Sample** cal 1 mdq  
**Acq. Method** mdqp1 1-21-21.m **Operator** Anne Nord  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2.5  
**Acq. Date-Time** 2/2/2021 2:37:16 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	1274	437.0	68.9	750.2	53894	0.551 ng/ml
7-aminoclonazepam	4.367	11622	119.2	99.0	43.5	91362	5.364 ng/ml
a-hydroxyalprazolam	5.734	6373	174.6	54.3	1078.4	75434	4.400 ng/ml
alpha-PHP	5.021	85096	2032.3	39.7	458.8	630822	4.861 ng/ml
alpha-PVP	4.467	66078	192.0	51.3	236.2	576198	5.417 ng/ml
Alprazolam	5.803	50582	749.0	88.8	1910.2	335820	5.436 ng/ml
Amphetamine	3.202	137238	156.3	39.7	155.7	363274	4.144 ng/ml
Benzoylcegonine	3.983	1276	36.3	13.7	20.4	9141	5.231 ng/ml
Buprenorphine	5.749	800	52.3	17.6	129.4	54849	0.720 ng/ml
Bupropion	4.882	87115	306.2	68.8	220.1	630822	4.799 ng/ml
Carisoprodol	5.758	29068	278.7	73.8	443.6	293412	5.152 ng/ml
Citalopram	5.323	46960	78.6	38.5	25778.5	440454	5.007 ng/ml
Clonazepam	5.662	42829	338.0	34.1	5176.8	142762	4.235 ng/ml
Clonazepam	5.609	29923	1435.7	39.0	664.3	142762	5.026 ng/ml
Cocaine	4.366	61641	5536.0	46.8	221.4	971653	4.434 ng/ml
Codeine	2.741	7100	2626.1	87.9	928.3	65647	4.271 ng/ml
Cyclobenzaprine	5.680	19472	4191.1	7.3	91.6	124587	4.823 ng/ml
Dextromethorphan	5.362	28976	161.4	74.6	3230.1	282605	5.686 ng/ml
Dextrophan	4.235	35520	51.8	46.3	182.1	418114	5.175 ng/ml
Diazepam	5.969	32122	583.9	87.8	169.4	300261	5.262 ng/ml
Diphenhydramine	5.383	158655	826.3	30.6	5351.4	1595003	5.238 ng/ml
Doxylamine	4.619	268545	916.0	96.5	2791.6	2058796	5.337 ng/ml
EDDP	5.351	119536	5359.4	45.8	20300.9	1201695	5.068 ng/ml
Etizolam	5.832	21370	8857.8	24.6	2219.8	300261	4.867 ng/ml
Fentanyl	5.188	2371	19.2	126.7	706.2	237616	0.558 ng/ml
Flualprazolam	5.739	20551	8343.9	100.6	1520.3	335820	5.324 ng/ml
Fluoxetine	5.741	11666	908.9	6.1	425.3	79026	4.458 ng/ml
Hydrocodone	3.159	26280	354.8	34.1	18.2	610514	4.331 ng/ml
Hydromorphone	1.757	19165	340.6	73.4	481.6	7092	4.371 ng/ml
Ketamine	4.145	46351	631.3	36.1	62.0	395297	4.573 ng/ml
Lamotrigine	4.409	3447	34.5	93.2	1148.2	397086	4.996 ng/ml
Lorazepam	5.786	34861	56.8	53.2	41.0	423530	4.734 ng/ml
MDA	3.344	64410	326.4	28.4	154.4	397086	4.339 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.431	42326	1113.9	96.9	360.8	78906	4.448 ng/ml
Meprobamate	5.011	20705	173.1	27.0	111.1	134734	4.416 ng/ml
Methadone	5.699	72027	1043.6	55.8	1324.8	720884	5.563 ng/ml
Metoprolol	4.409	16172	1388.2	100.2	341.5	1201695	4.735 ng/ml
Mirtazapine	4.706	103589	885.7	48.9	253.9	720884	4.945 ng/ml
Mitragynine	5.311	12054	67.0	27.9	1480.9	1201695	4.671 ng/ml
Morphine	1.356	2753	48.7	19.3	84.3	7092	5.566 ng/ml
Nordiazepam	5.913	28763	12596.1	62.5	652.1	213012	5.263 ng/ml
Norfentanyl	4.186	3334	31.2	31.2	418.6	785158	0.548 ng/ml
Noroxycodone	3.067	22487	143.4	44.1	58.0	158836	4.747 ng/ml
O-desmethyl-tramadol	3.492	88649	1435.6	6.6	38.8	966642	5.268 ng/ml
Oxazepam	5.788	55506	675.9	77.0	139.6	423530	5.026 ng/ml
Oxycodone	2.989	51682	308.8	28.4	443.1	396608	4.775 ng/ml
Oxymorphone	1.534	26339	342.4	43.5	784.1	200525	4.671 ng/ml
Promethazine	5.596	26304	266.4	44.0	93.9	274666	5.474 ng/ml
Quetiapine	5.588	35923	19259.0	62.7	142.1	102833	4.318 ng/ml
Sertraline	5.809	4394	2423.3	97.7	40.3	36395	5.199 ng/ml
Temazepam	5.845	97838	350.3	30.3	56.0	951939	5.303 ng/ml
Tramadol	4.347	123042	1322.6	3.6	31.4	1151219	4.322 ng/ml
Trazodone	5.208	55544	906.7	74.2	32693.3	473036	5.198 ng/ml
Venlafaxine	5.138	127796	4849.2	42.5	228.8	1854969	5.247 ng/ml
Zolpidem	4.962	216595	1294.2	29.8	3425.2	1910519	5.203 ng/ml

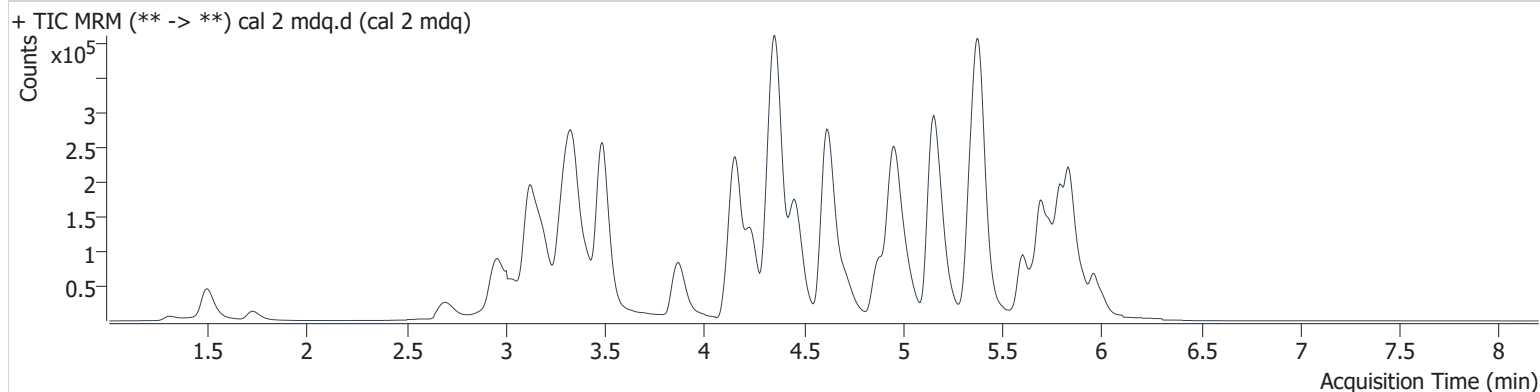


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2 mdq
<b>Acq. Method</b>	mdqp1 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 2:46:16 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.249	1896	1278.7	76.0	360.8	48820	0.949 ng/ml
7-aminoclonazepam	4.367	19765	317.8	94.4	269.7	80034	10.019 ng/ml
a-hydroxyalprazolam	5.740	6591	589.3	52.2	1958.8	42438	10.006 ng/ml
alpha-PHP	5.031	76454	1549.7	39.0	940.8	288963	10.004 ng/ml
alpha-PVP	4.467	109987	410.6	51.8	483.1	490009	9.940 ng/ml
Alprazolam	5.808	48344	665.6	87.7	1760.0	168469	9.911 ng/ml
Amphetamine	3.192	238542	1398.4	40.0	192.9	344167	9.484 ng/ml
Benzoylcegonine	3.999	2332	112.3	14.3	13.8	8816	10.118 ng/ml
Buprenorphine	5.749	791	31.3	17.9	199.6	27785	1.209 ng/ml
Bupropion	4.887	79981	451.2	66.8	65.5	288963	9.819 ng/ml
Carisoprodol	5.758	26854	314.3	74.7	97.2	139412	9.793 ng/ml
Citalopram	5.333	49190	223.1	36.4	9860.7	226918	9.977 ng/ml
Clonazepam	5.657	43349	14365.6	30.0	7367.5	68529	9.937 ng/ml
Clonazepam	5.609	28976	5562.5	36.7	280.9	68529	9.865 ng/ml
Cocaine	4.366	96918	6063.3	46.2	13176.1	747823	9.798 ng/ml
Codeine	2.726	12413	5019.8	86.9	171.5	60050	9.396 ng/ml
Cyclobenzaprine	5.674	21155	519.6	6.8	85.0	73012	9.202 ng/ml
Dextromethorphan	5.367	30298	57.6	79.0	11376.8	153197	10.166 ng/ml
Dextrophan	4.235	62661	1295.1	45.4	15679.8	380214	9.826 ng/ml
Diazepam	5.969	28728	4084.1	85.3	557.5	133263	10.237 ng/ml
Diphenhydramine	5.388	157358	4745.8	30.2	197.7	790371	10.058 ng/ml
Doxylamine	4.629	244258	6837.8	96.6	44221.8	958531	10.001 ng/ml
EDDP	5.351	110261	1994.6	46.4	52633.7	548145	10.003 ng/ml
Etizolam	5.837	18966	7144.6	25.3	2923.9	133263	10.184 ng/ml
Fentanyl	5.193	2860	45.5	126.6	1352.4	131856	1.064 ng/ml
Flualprazolam	5.739	17611	2717.4	108.4	1095.9	168469	8.960 ng/ml
Fluoxetine	5.741	15251	8286.2	6.9	337.7	53744	9.786 ng/ml
Hydrocodone	3.148	46137	170.1	36.5	139.0	546155	9.533 ng/ml
Hydromorphone	1.727	37188	634.0	67.1	115.2	6507	9.913 ng/ml
Ketamine	4.140	78805	1666.9	37.6	65.6	348443	9.601 ng/ml
Lamotrigine	4.425	6135	173.6	96.3	2771.2	372191	9.833 ng/ml
Lorazepam	5.786	37737	522.8	45.2	69.2	213746	10.574 ng/ml
MDA	3.339	118441	617.5	26.8	431.5	372191	9.483 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	74936	7659.3	94.4	204.0	68640	9.793 ng/ml
Meprobamate	5.011	28148	201.0	29.2	182.5	98067	9.459 ng/ml
Methadone	5.699	68776	21097.2	58.6	497.3	363917	9.762 ng/ml
Metoprolol	4.414	15164	313.2	97.3	233.7	548145	10.715 ng/ml
Mirtazapine	4.712	106369	847.1	47.1	2424.7	363917	10.198 ng/ml
Mitragynine	5.311	11538	275.6	28.9	2325.1	548145	10.069 ng/ml
Morphine	1.316	4363	799.2	19.5	180.6	6507	9.336 ng/ml
Nordiazepam	5.918	25117	319.2	65.2	5409.5	98661	9.713 ng/ml
Norfentanyl	4.186	5803	54.2	35.7	25.3	726390	0.988 ng/ml
Noroxycodone	3.056	41365	15.5	46.8	28.4	149701	9.542 ng/ml
O-desmethyl-tramadol	3.487	156829	16062.8	6.9	251.3	868775	9.993 ng/ml
Oxazepam	5.793	53479	356.3	77.1	71.7	213746	9.663 ng/ml
Oxycodone	2.974	94054	684.6	28.9	19.4	366960	9.753 ng/ml
Oxymorphone	1.494	47482	503.6	43.9	3214.2	186066	9.675 ng/ml
Promethazine	5.601	28695	15302.1	39.3	133.7	159852	9.633 ng/ml
Quetiapine	5.593	38774	11584.8	56.3	12349.6	52886	9.831 ng/ml
Sertraline	5.809	5508	1639.9	101.8	351.2	24261	9.913 ng/ml
Temazepam	5.845	87771	440.6	31.4	68.4	444023	9.955 ng/ml
Tramadol	4.347	203771	746.6	3.6	60.1	960421	9.636 ng/ml
Trazodone	5.213	56282	430.8	73.3	379.9	251883	9.594 ng/ml
Venlafaxine	5.149	113459	1078.3	43.2	280.7	889055	9.320 ng/ml
Zolpidem	4.967	189430	675.5	32.4	1169.6	888081	9.660 ng/ml

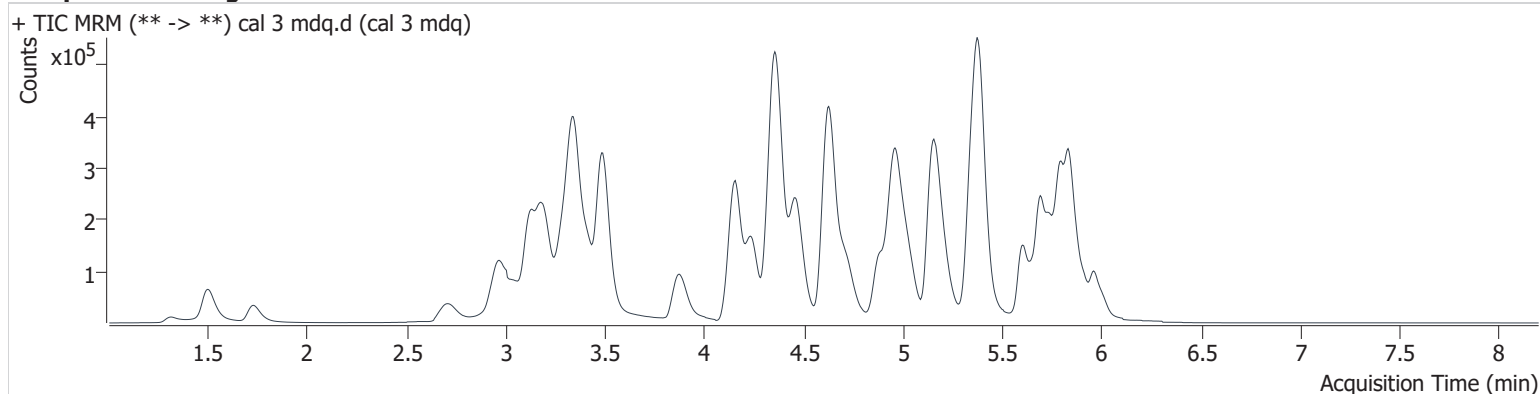


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

**Instrument** 69679 **Data File** cal 3 mdq.d  
**Type** Cal **Sample** cal 3 mdq  
**Acq. Method** mdqp1 1-21-21.m **Operator** Anne Nord  
**Sample Position** P2-C1 **Comment**  
**Injection Volume** 2.5  
**Acq. Date-Time** 2/2/2021 2:55:18 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	4735	2936.1	74.0	1662.2	50887	2.366 ng/ml
7-aminoclonazepam	4.372	45763	108.4	97.4	309.2	77405	23.401 ng/ml
a-hydroxyalprazolam	5.734	16759	255.3	53.2	1985.9	44931	27.240 ng/ml
alpha-PHP	5.031	198195	18989.2	39.2	1575.4	294198	26.228 ng/ml
alpha-PVP	4.467	280687	1778.1	51.4	2268.6	496161	24.003 ng/ml
Alprazolam	5.808	126136	1241.0	89.0	182.9	178149	23.733 ng/ml
Amphetamine	3.197	545665	508.7	41.7	463.8	337970	25.087 ng/ml
Benzoylcegonine	3.994	5406	653.8	14.8	888.8	8977	23.318 ng/ml
Buprenorphine	5.759	1864	52.8	16.7	253.5	28263	2.528 ng/ml
Bupropion	4.893	201572	2294.8	68.9	913.7	294198	24.600 ng/ml
Carisoprodol	5.758	71137	400.7	73.5	220.1	146477	24.331 ng/ml
Citalopram	5.333	122840	509.3	38.8	35383.2	229939	24.301 ng/ml
Clonazepam	5.662	112071	1149.6	31.6	24415.9	73561	25.213 ng/ml
Clonazepam	5.604	78305	22503.5	35.8	1660.8	73561	24.428 ng/ml
Cocaine	4.366	242149	148067.4	46.3	51304.4	751974	25.397 ng/ml
Codeine	2.726	29493	837.4	91.6	581.8	60131	24.154 ng/ml
Cyclobenzaprine	5.674	57017	22528.5	7.1	255.7	75543	24.462 ng/ml
Dextromethorphan	5.367	74898	62076.1	77.6	490.4	153983	23.746 ng/ml
Dextrophan	4.240	159239	35537.1	44.9	50692.3	386020	24.255 ng/ml
Diazepam	5.969	74012	718.4	91.0	16056.5	142743	24.113 ng/ml
Diphenhydramine	5.388	388028	555.0	29.9	1232.9	795695	24.020 ng/ml
Doxylamine	4.629	608349	2707.7	96.5	377.6	969618	23.971 ng/ml
EDDP	5.351	289862	5309.2	45.2	6973.8	587031	24.205 ng/ml
Etizolam	5.832	49826	5320.9	24.2	5016.5	142743	25.634 ng/ml
Fentanyl	5.193	6647	29.2	121.3	5164.7	126171	2.403 ng/ml
Flualprazolam	5.745	48873	11467.1	107.2	8016.1	178149	23.204 ng/ml
Fluoxetine	5.746	38473	22342.0	6.9	760.6	57587	24.825 ng/ml
Hydrocodone	3.154	120894	2376.5	35.1	849.5	558903	26.085 ng/ml
Hydromorphone	1.727	94044	2624.4	66.9	2202.4	6684	25.284 ng/ml
Ketamine	4.145	194626	5308.6	39.6	304.8	351463	24.726 ng/ml
Lamotrigine	4.425	15465	296.4	89.1	2172.3	367959	25.662 ng/ml
Lorazepam	5.786	96413	524.5	45.1	225.6	224591	26.234 ng/ml
MDA	3.344	290863	797.7	25.5	896.1	367959	25.054 ng/ml

# AM #28 Multi-Drug Quant. Results

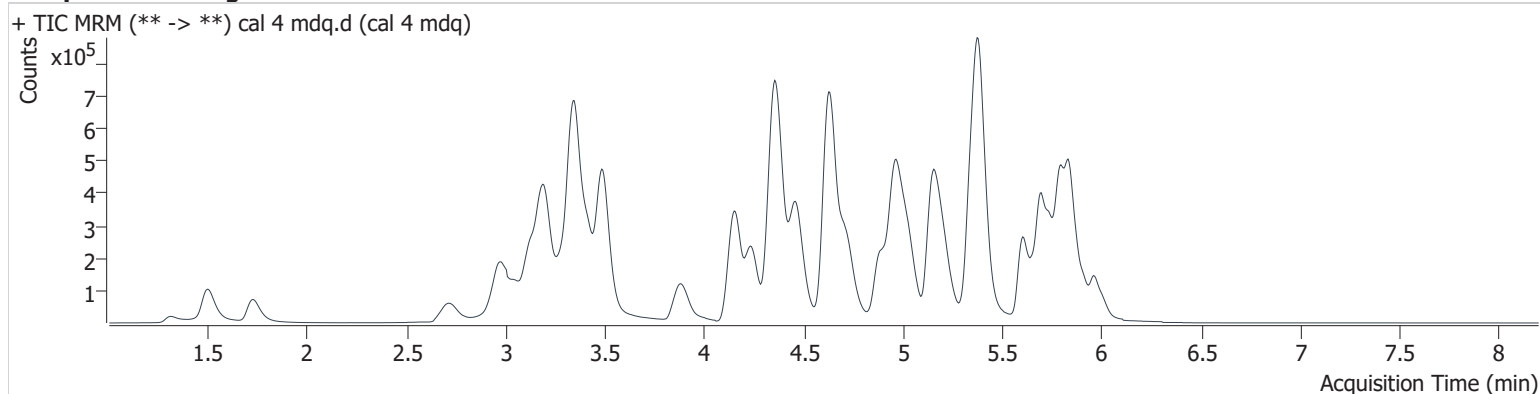
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.426	189820	88815.8	95.9	1569.7	70968	25.031 ng/ml
Meprobamate	5.021	70444	2504.2	30.0	198.3	100020	25.238 ng/ml
Methadone	5.694	181987	17444.0	56.8	1187.4	371391	23.951 ng/ml
Metoprolol	4.419	37943	25846.1	95.8	1594.5	587031	26.275 ng/ml
Mirtazapine	4.717	258027	1627.2	47.6	2406.0	371391	24.428 ng/ml
Mitragynine	5.311	30341	14855.2	30.5	282.6	587031	25.081 ng/ml
Morphine	1.316	11943	956.8	17.7	404.3	6684	24.240 ng/ml
Nordiazepam	5.918	67326	31336.9	62.9	1795.3	105880	23.905 ng/ml
Norfentanyl	4.186	14453	52.0	34.6	714.1	724184	2.394 ng/ml
Noroxycodone	3.056	102382	614.5	45.5	1050.0	147308	24.443 ng/ml
O-desmethyl-tramadol	3.492	393567	14546.1	6.8	442.1	884744	24.058 ng/ml
Oxazepam	5.793	143413	131.4	73.4	558.8	224591	24.777 ng/ml
Oxycodone	2.974	236075	1604.3	29.2	1127.7	372419	24.675 ng/ml
Oxymorphone	1.499	118072	2541.5	44.1	2351.0	187325	24.834 ng/ml
Promethazine	5.606	74928	934.4	42.0	176.1	163003	23.546 ng/ml
Quetiapine	5.593	93184	35201.7	58.7	25521.7	52355	24.863 ng/ml
Sertraline	5.809	15052	6485.2	95.8	184.2	26817	24.739 ng/ml
Temazepam	5.845	233312	1097.8	29.8	74.8	478553	24.166 ng/ml
Tramadol	4.347	503210	2901.6	3.5	126.0	966704	25.200 ng/ml
Trazodone	5.213	137755	66560.0	72.0	549.3	250793	23.106 ng/ml
Venlafaxine	5.149	296523	34281.7	42.7	1187.4	899078	23.344 ng/ml
Zolpidem	4.967	490854	2685.5	31.8	672.6	911119	24.178 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

**Instrument** 69679 **Data File** cal 4 mdq.d  
**Type** Cal **Sample** cal 4 mdq  
**Acq. Method** mdqp1 1-21-21.m **Operator** Anne Nord  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2.5  
**Acq. Date-Time** 2/2/2021 3:04:19 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	10493	9793.5	75.7	791.0	51922	5.219 ng/ml
7-aminoclonazepam	4.372	101673	219.5	94.9	116.4	77091	51.685 ng/ml
a-hydroxyalprazolam	5.734	33439	14409.3	54.0	199.7	46508	54.631 ng/ml
alpha-PHP	5.031	443363	5071.2	38.7	3179.3	300050	58.111 ng/ml
alpha-PVP	4.467	615446	4066.8	52.0	2042.0	501592	51.251 ng/ml
Alprazolam	5.808	256365	1742.2	87.5	440.2	167149	50.838 ng/ml
Amphetamine	3.197	1197542	4103.1	42.7	1629.2	351780	55.393 ng/ml
Benzoylcegonine	3.994	11964	376.4	13.3	555.0	8754	53.210 ng/ml
Buprenorphine	5.749	4399	65.2	18.7	276.0	32397	4.985 ng/ml
Bupropion	4.893	440080	4476.3	69.6	542.4	300050	52.887 ng/ml
Carisoprodol	5.758	141545	1038.0	74.4	916.4	139484	50.581 ng/ml
Citalopram	5.333	287436	2767.1	37.2	119.9	245743	52.972 ng/ml
Clonazepam	5.662	225591	54737.0	32.0	64367.8	69395	54.830 ng/ml
Clonazepam	5.609	156162	18264.2	36.9	16159.5	69395	51.340 ng/ml
Cocaine	4.366	519513	372463.8	46.1	325.0	762118	54.553 ng/ml
Codeine	2.726	68379	522.2	86.9	904.0	63391	54.742 ng/ml
Cyclobenzaprine	5.669	134598	207.0	8.2	215.7	81499	53.890 ng/ml
Dextromethorphan	5.367	178621	4052.6	75.4	96572.1	170271	50.215 ng/ml
Dextrophan	4.235	354644	2287.8	45.1	129903.3	400103	51.858 ng/ml
Diazepam	5.969	150436	610.2	86.9	26106.0	134484	51.602 ng/ml
Diphenhydramine	5.388	914081	1708.0	29.8	903.6	876969	50.856 ng/ml
Doxylamine	4.629	1368335	934.8	96.3	4565.5	1018237	50.833 ng/ml
EDDP	5.356	663848	7017.5	44.6	105667.4	628789	51.481 ng/ml
Etizolam	5.832	99870	29439.4	24.5	11015.3	134484	55.046 ng/ml
Fentanyl	5.183	16765	175.0	118.6	74.8	143579	5.173 ng/ml
Flualprazolam	5.739	99618	5387.8	104.0	2858.1	167149	50.187 ng/ml
Fluoxetine	5.746	81126	51060.1	7.5	2259.9	56867	54.507 ng/ml
Hydrocodone	3.148	259498	1262.4	35.8	295.3	576182	55.473 ng/ml
Hydromorphone	1.727	203449	1033.5	68.2	2744.3	7008	52.813 ng/ml
Ketamine	4.145	424513	5011.9	39.0	640.1	355473	54.297 ng/ml
Lamotrigine	4.420	32561	1019.6	92.4	1654.1	383790	52.192 ng/ml
Lorazepam	5.781	195494	1202.1	44.1	316.7	213711	56.318 ng/ml
MDA	3.339	649148	582.1	25.2	150.7	383790	54.761 ng/ml



# AM #28 Multi-Drug Quant. Results

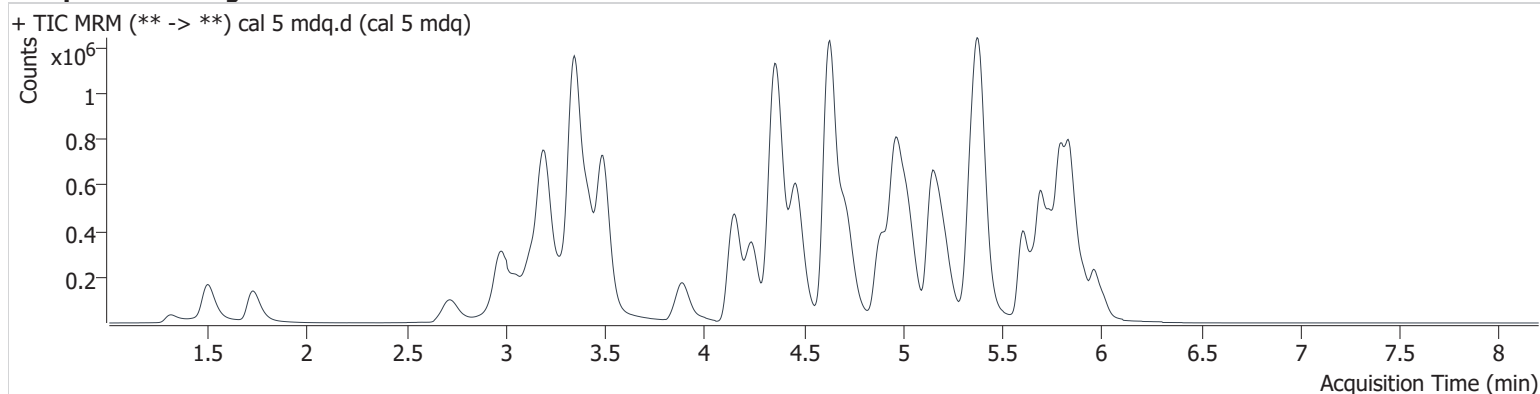
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	412238	254112.1	95.8	1742.7	71468	54.808 ng/ml
Meprobamate	5.016	151115	283.8	28.7	331.3	100736	55.331 ng/ml
Methadone	5.699	439185	204008.2	55.4	1105.7	414726	50.770 ng/ml
Metoprolol	4.419	80517	15718.4	94.7	1149.1	628789	52.966 ng/ml
Mirtazapine	4.717	611567	1036.6	48.7	2472.2	414726	52.000 ng/ml
Mitragynine	5.311	71086	53866.3	30.4	2694.1	628789	55.149 ng/ml
Morphine	1.311	25627	3263.7	19.4	154.5	7008	49.215 ng/ml
Nordiazepam	5.918	141631	77070.6	61.4	18272.4	100444	52.720 ng/ml
Norfentanyl	4.186	30966	316.6	35.9	28.2	742021	4.952 ng/ml
Noroxycodone	3.056	238565	1028.9	42.6	131.1	155430	54.331 ng/ml
O-desmethyl-tramadol	3.492	859665	100043.0	7.0	1993.8	910734	50.614 ng/ml
Oxazepam	5.793	285737	310.0	72.6	500.0	213711	51.961 ng/ml
Oxycodone	2.974	516796	1577.1	30.0	1638.8	383077	52.936 ng/ml
Oxymorphone	1.499	262791	1806.7	43.9	1506.7	194692	53.908 ng/ml
Promethazine	5.606	180386	97550.4	41.0	737.1	176215	51.556 ng/ml
Quetiapine	5.593	215221	6682.1	58.0	702.0	56063	54.436 ng/ml
Sertraline	5.809	31218	12735.1	94.9	4222.0	26639	51.824 ng/ml
Temazepam	5.845	470887	879.6	30.2	183.2	456656	50.817 ng/ml
Tramadol	4.347	1097695	70793.6	3.6	145.1	985051	55.171 ng/ml
Trazodone	5.208	321654	737.2	74.0	798.3	275389	48.764 ng/ml
Venlafaxine	5.149	642451	21443.9	43.0	1270.0	907392	49.576 ng/ml
Zolpidem	4.967	1070763	1471.4	31.3	1768.5	913529	52.432 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 5 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 5 mdq
<b>Acq. Method</b>	mdqp1 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 3:13:21 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	19702	2315.9	77.0	5029.4	51997	9.845 ng/ml
7-aminoclonazepam	4.367	188177	833.3	93.2	119.5	74106	99.124 ng/ml
a-hydroxyalprazolam	5.734	64928	514.3	53.3	217.9	53537	93.723 ng/ml
alpha-PHP	5.031	846349	2477.0	38.2	5395.2	315173	106.006 ng/ml
alpha-PVP	4.467	1200342	6187.2	52.0	3457.5	509636	97.744 ng/ml
Alprazolam	5.808	491423	662.9	88.1	3539.4	166074	97.625 ng/ml
Amphetamine	3.197	2275091	1731.4	43.3	5504.0	349274	108.049 ng/ml
Benzoylcegonine	3.994	23648	1172.6	13.3	279.0	9792	94.189 ng/ml
Buprenorphine	5.754	7163	307.1	16.9	692.4	28603	9.019 ng/ml
Bupropion	4.893	893411	32147.9	68.0	6712.1	315173	102.402 ng/ml
Carisoprodol	5.758	287336	1891.3	73.1	1122.1	142051	100.589 ng/ml
Citalopram	5.333	495104	757.1	39.1	76689.7	232596	96.239 ng/ml
Clonazepam	5.667	452155	1865.5	31.2	75934.1	72904	105.433 ng/ml
Clonazepam	5.609	323781	13018.1	35.6	11456.7	72904	101.060 ng/ml
Cocaine	4.366	993498	59281.2	46.0	6909.1	777161	102.926 ng/ml
Codeine	2.726	132497	1391.0	88.3	2417.0	60959	111.679 ng/ml
Cyclobenzaprine	5.669	174694	27042.8	8.0	142.6	54093	105.673 ng/ml
Dextromethorphan	5.367	299956	168256.5	75.9	4694.0	150701	94.503 ng/ml
Dextrophan	4.240	687428	191742.1	44.6	137425.5	402885	99.616 ng/ml
Diazepam	5.969	289803	952.7	87.4	3285.2	137821	96.681 ng/ml
Diphenhydramine	5.388	1626795	478.8	29.9	5488.7	804297	98.287 ng/ml
Doxylamine	4.629	2675946	1517.3	96.3	570.7	1034016	97.481 ng/ml
EDDP	5.351	1244013	101131.6	44.0	217023.6	602723	100.416 ng/ml
Etizolam	5.832	198895	53549.5	24.4	32410.4	137821	107.398 ng/ml
Fentanyl	5.188	26492	36.2	114.3	569.3	118511	9.787 ng/ml
Flualprazolam	5.739	199601	40175.4	100.7	1159.8	166074	101.016 ng/ml
Fluoxetine	5.746	79382	1139.9	7.1	1695.2	29891	102.606 ng/ml
Hydrocodone	3.148	484553	827.7	37.3	939.7	590724	101.916 ng/ml
Hydromorphone	1.727	399821	1540.8	72.5	816.5	7054	103.676 ng/ml
Ketamine	4.145	845329	4922.7	38.8	850.3	374342	103.421 ng/ml
Lamotrigine	4.425	62350	696.7	92.5	26306.4	382020	100.758 ng/ml
Lorazepam	5.781	360654	1681.5	46.8	403.2	205875	108.188 ng/ml
MDA	3.339	1223961	647.5	25.2	322.9	382020	104.632 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.426	815048	684.0	94.3	2004.9	72484	107.522 ng/ml
Meprobamate	5.016	299154	6917.9	29.2	591.3	106811	104.514 ng/ml
Methadone	5.699	762072	19674.8	55.5	48285.0	372223	97.358 ng/ml
Metoprolol	4.419	154747	145620.4	92.6	1794.7	602723	107.132 ng/ml
Mirtazapine	4.717	1105840	2446.4	47.9	595.3	372223	104.901 ng/ml
Mitragynine	5.317	117731	1323.8	29.5	29210.3	602723	95.464 ng/ml
Morphine	1.311	52745	3465.1	18.0	279.0	7054	100.226 ng/ml
Nordiazepam	5.923	267475	647.7	61.4	1449.2	100584	99.215 ng/ml
Norfentanyl	4.186	62959	342.3	33.2	3651.1	741504	10.024 ng/ml
Noroxycodone	3.056	444858	1380.8	45.4	1632.7	155191	101.722 ng/ml
O-desmethyl-tramadol	3.492	1711558	60022.5	7.1	233.1	925544	98.786 ng/ml
Oxazepam	5.793	539874	4082.4	73.8	222.9	205875	101.984 ng/ml
Oxycodone	2.974	1023161	3901.2	29.2	2485.4	390549	103.151 ng/ml
Oxymorphone	1.499	504856	3889.5	44.0	4057.3	197851	102.478 ng/ml
Promethazine	5.606	249892	106352.0	41.2	449.4	128121	97.582 ng/ml
Quetiapine	5.593	386894	5108.0	58.1	91963.3	52418	105.306 ng/ml
Sertraline	5.809	24989	4094.4	102.4	11363.7	11612	95.300 ng/ml
Temazepam	5.850	930451	846.2	30.0	1124.5	466537	98.039 ng/ml
Tramadol	4.347	2159110	20300.7	3.5	857.7	1029622	104.766 ng/ml
Trazodone	5.213	550284	1983.2	74.0	836.9	240237	95.317 ng/ml
Venlafaxine	5.149	1285456	40753.8	43.1	2491.0	930118	96.326 ng/ml
Zolpidem	4.967	2094012	3953.8	30.8	1326.5	941651	99.345 ng/ml

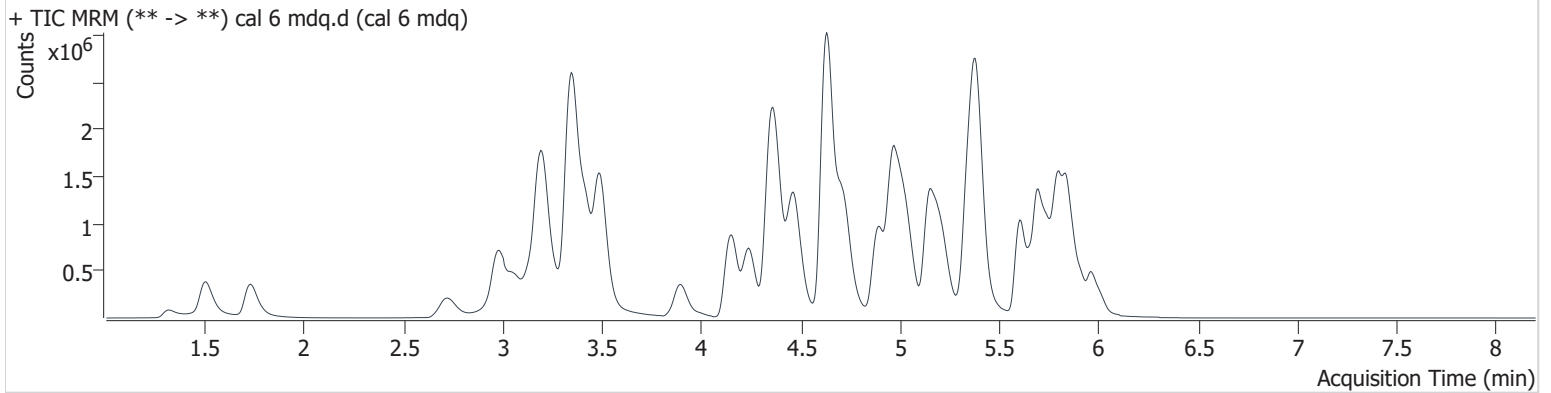


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 AM

**Instrument** 69679 **Data File** cal 6 mdq.d  
**Type** Cal **Sample** cal 6 mdq  
**Acq. Method** mdqp1 1-21-21.m **Operator** Anne Nord  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 2.5  
**Acq. Date-Time** 2/2/2021 3:22:22 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	51705	724.2	74.1	25038.5	55611	24.255 ng/ml
7-aminoclonazepam	4.372	427007	2188.9	92.9	194.0	67450	246.501 ng/ml
a-hydroxyalprazolam	5.734	125310	681.7	57.2	2953.6	64222	152.184 ng/ml
alpha-PHP	5.031	2226763	53819.0	39.1	4171.7	350688	251.326 ng/ml
alpha-PVP	4.467	3099715	11662.6	52.5	4806.7	532337	240.630 ng/ml
Alprazolam	5.808	1089963	2252.6	89.3	2146.3	146309	245.036 ng/ml
Amphetamine	3.197	5692422	4497.8	45.1	18017.2	365655	261.365 ng/ml
Benzoylcegonine	3.994	65113	795.9	13.1	8329.4	10123	251.258 ng/ml
Buprenorphine	5.749	19429	391.9	18.6	1459.5	31837	21.681 ng/ml
Bupropion	4.893	2445141	13453.2	67.7	3547.5	350688	252.168 ng/ml
Carisoprodol	5.758	641286	3698.0	68.6	2406.8	126941	250.866 ng/ml
Citalopram	5.328	1313076	21441.4	39.2	133.5	235380	251.901 ng/ml
Clonazepam	5.662	972768	814.7	32.7	274912.0	66304	250.650 ng/ml
Clonazolam	5.609	728267	43580.8	37.0	18864.3	66304	249.539 ng/ml
Cocaine	4.366	2445528	2516.0	45.9	75453.1	789332	250.459 ng/ml
Codeine	2.731	308848	2915.3	85.6	586.9	61938	257.959 ng/ml
Cyclobenzaprine	5.669	563266	174458.0	8.3	223.2	72215	255.650 ng/ml
Dextromethorphan	5.362	800206	29515.9	75.9	339202.3	160884	234.861 ng/ml
Dextrophan	4.240	1786959	2840.2	44.9	645.6	424936	245.180 ng/ml
Diazepam	5.969	713488	8706.8	88.4	6272.0	135521	241.521 ng/ml
Diphenhydramine	5.388	4493661	3094.3	29.6	12763.0	888037	245.255 ng/ml
Doxylamine	4.629	7110959	832.2	96.3	3028.2	1093785	244.212 ng/ml
EDDP	5.356	3217546	131677.7	44.4	24061.2	639745	244.344 ng/ml
Etizolam	5.837	451201	1428.2	24.6	53286.8	135521	248.363 ng/ml
Fentanyl	5.188	82525	322.0	119.3	485.3	150762	23.783 ng/ml
Flualprazolam	5.745	439145	1625.0	100.7	4215.4	146309	251.985 ng/ml
Fluoxetine	5.746	266988	2542.0	7.3	8026.3	40471	256.835 ng/ml
Hydrocodone	3.143	1239499	1798.6	35.7	750.4	605143	256.100 ng/ml
Hydromorphone	1.727	1038459	10077.0	72.5	3218.3	7392	257.865 ng/ml
Ketamine	4.145	2175068	2834.2	38.6	2100.5	394688	253.599 ng/ml
Lamotrigine	4.425	144458	1760.5	92.8	5564.8	368594	242.487 ng/ml
Lorazepam	5.781	698775	2198.2	48.2	843.9	177061	244.188 ng/ml
MDA	3.339	2924700	27853.7	25.3	489.7	368594	260.619 ng/ml

# AM #28 Multi-Drug Quant. Results

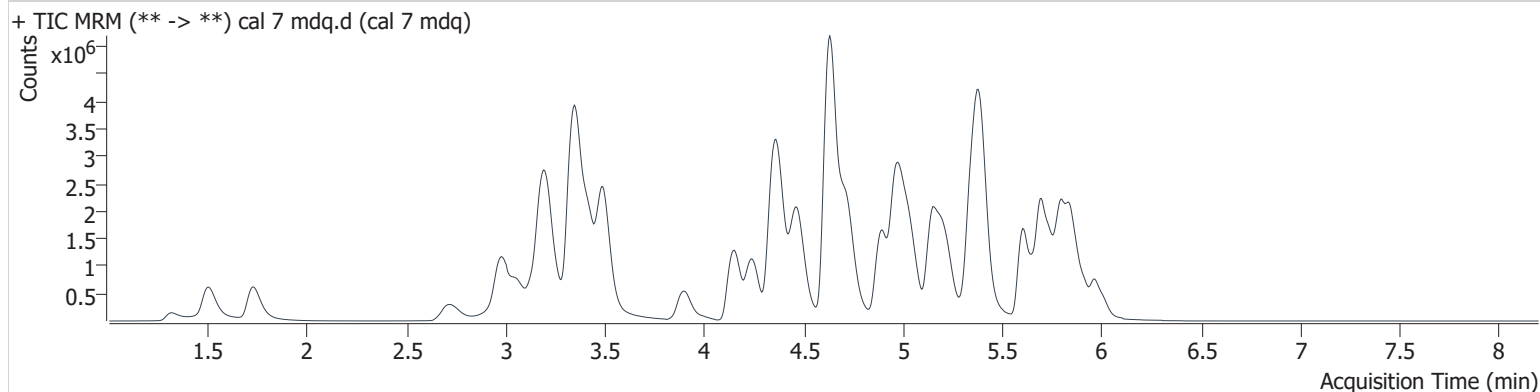
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	2033916	168047.8	93.7	3153.4	80206	243.380 ng/ml
Meprobamate	5.016	686457	14368.7	28.2	780.8	101139	255.259 ng/ml
Methadone	5.699	2266612	39775.5	53.0	1685.2	448515	239.061 ng/ml
Metoprolol	4.419	364387	198825.6	94.3	791.3	639745	238.801 ng/ml
Mirtazapine	4.717	3096652	15321.6	48.0	4570.4	448515	243.964 ng/ml
Mitragynine	5.311	322505	2169.2	31.6	46007.1	639745	246.763 ng/ml
Morphine	1.316	136036	3454.2	19.2	712.5	7392	246.127 ng/ml
Nordiazepam	5.923	646160	424061.4	62.2	90346.2	99454	242.061 ng/ml
Norfentanyl	4.186	156819	248.1	35.3	4397.2	763696	24.173 ng/ml
Noroxycodone	3.061	1152491	4918.5	44.2	∞	162957	251.398 ng/ml
O-desmethyl-tramadol	3.492	4499664	80741.6	7.1	4419.8	981072	244.433 ng/ml
Oxazepam	5.793	1110631	3566.3	73.8	2889.3	177061	244.046 ng/ml
Oxycodone	2.974	2696909	11278.0	28.9	4802.3	425102	250.324 ng/ml
Oxymorphone	1.499	1338393	2152.3	43.7	6302.1	213942	252.167 ng/ml
Promethazine	5.606	867945	4180.4	39.6	2506.1	175445	246.406 ng/ml
Quetiapine	5.593	1069002	653026.5	59.7	51597.7	61283	249.826 ng/ml
Sertraline	5.809	103216	53168.9	99.4	1382.8	18682	244.897 ng/ml
Temazepam	5.850	2111802	6734.6	30.9	2069.9	424766	244.001 ng/ml
Tramadol	4.342	5366906	3162.7	3.5	736.4	1054109	255.899 ng/ml
Trazodone	5.208	1592367	5821.7	72.9	1572.3	268931	245.873 ng/ml
Venlafaxine	5.149	3456084	13909.9	42.7	10923.2	975826	246.119 ng/ml
Zolpidem	4.967	5415285	7465.5	30.7	2044.0	978531	247.016 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
**Calibration Last Update** 2/3/2021 11:32:38 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 1-21-21.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	2/2/2021 3:31:23 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	91005	1916.9	75.4	2477.7	47852	49.683 ng/ml
7-aminoclonazepam	4.372	660053	1360.1	89.6	257.9	54144	474.282 ng/ml
a-hydroxyalprazolam	5.734	183031	1549.0	56.0	611.1	72913	196.444 ng/ml
alpha-PHP	5.036	3721484	10358.0	38.9	6316.2	322122	457.678 ng/ml
alpha-PVP	4.470	5250352	206568.3	52.9	47944.7	445358	486.476 ng/ml
Alprazolam	5.808	1695836	15047.9	89.0	3350.2	113289	491.866 ng/ml
Amphetamine	3.197	9270315	4772.5	45.5	13380.8	307017	509.055 ng/ml
Benzoylcegonine	3.994	113714	5206.2	12.8	9773.9	8968	495.491 ng/ml
Buprenorphine	5.754	36556	14536.3	16.3	856.7	27316	47.297 ng/ml
Bupropion	4.893	4368113	9549.6	65.2	12981.5	322122	490.623 ng/ml
Carisoprodol	5.758	979940	1812.3	68.0	1161.5	97769	497.492 ng/ml
Citalopram	5.328	2079126	2783.5	39.8	558045.0	187791	499.744 ng/ml
Clonazepam	5.662	1535471	29290.9	31.6	264287.8	51769	507.645 ng/ml
Clonazepam	5.609	1132737	5766.7	37.1	21045.1	51769	496.830 ng/ml
Cocaine	4.366	3909905	722809.3	45.7	70669.9	629307	502.972 ng/ml
Codeine	2.721	477868	2944.3	89.7	288.2	47780	518.755 ng/ml
Cyclobenzaprine	5.669	914557	248915.7	8.2	675.0	60796	493.343 ng/ml
Dextromethorphan	5.367	1282613	502.2	75.6	123200.2	124174	486.809 ng/ml
Dextrophan	4.240	3049116	70892.4	44.2	160773.2	359633	494.089 ng/ml
Diazepam	5.969	1228683	4049.2	87.4	8912.6	116413	483.827 ng/ml
Diphenhydramine	5.394	7581418	1250.1	29.4	26518.5	736371	498.563 ng/ml
Doxylamine	4.629	12741716	501145.6	95.8	30707.6	961822	497.164 ng/ml
EDDP	5.351	5711471	3520.2	44.2	8078.3	552158	502.283 ng/ml
Etizolam	5.843	725049	2299.0	24.7	687.2	116413	465.008 ng/ml
Fentanyl	5.188	147123	494.5	117.7	67346.7	128225	49.712 ng/ml
Flualprazolam	5.745	684242	14075.1	99.9	1166.9	113289	506.868 ng/ml
Fluoxetine	5.746	321545	85211.4	7.3	9297.1	24793	506.198 ng/ml
Hydrocodone	3.143	1982585	1622.8	37.4	440.9	499141	497.635 ng/ml
Hydromorphone	1.727	1843423	6466.7	72.4	6069.9	6609	512.578 ng/ml
Ketamine	4.145	3724647	10041.6	38.5	4501.7	335308	512.031 ng/ml
Lamotrigine	4.425	216530	911.0	94.7	2069.4	279912	478.992 ng/ml
Lorazepam	5.781	952217	2912.7	48.8	892.9	127015	464.195 ng/ml
MDA	3.334	4394119	33469.0	25.5	343.9	279912	516.600 ng/ml

# AM #28 Multi-Drug Quant. Results

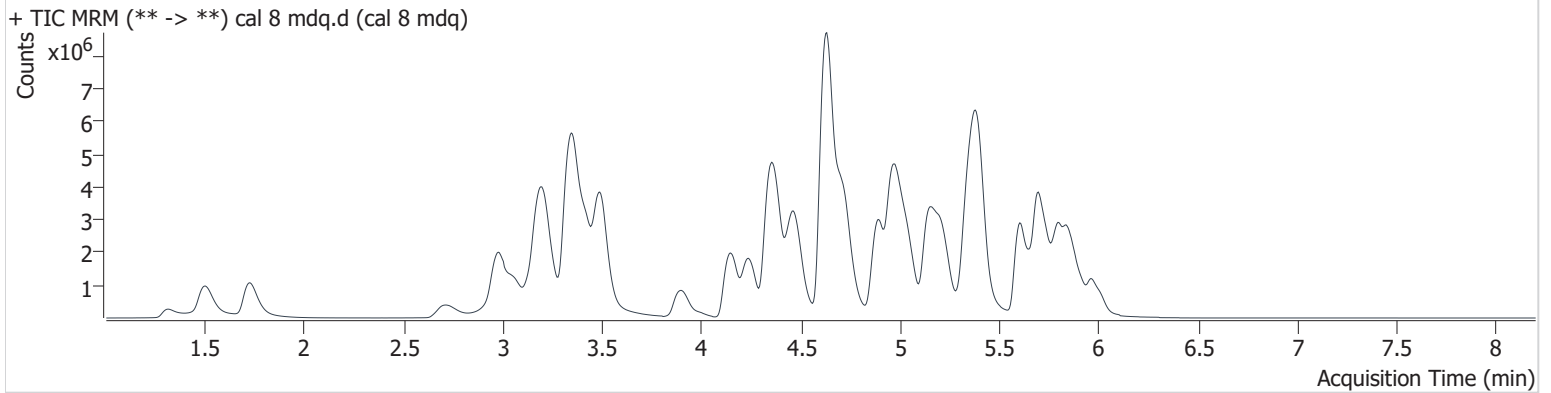
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.426	3349592	445.9	93.4	45585.1	65724	489.857 ng/ml
Meprobamate	5.021	1041956	1875.5	28.3	9999.4	78160	502.709 ng/ml
Methadone	5.699	4102801	62604.8	52.1	10379.6	391932	494.282 ng/ml
Metoprolol	4.419	555255	226482.8	93.4	38443.5	552158	422.321 ng/ml
Mirtazapine	4.720	5501323	6664.8	48.0	56579.8	391932	496.122 ng/ml
Mitragynine	5.311	573068	412769.0	31.4	124327.9	552158	508.294 ng/ml
Morphine	1.316	250878	1490.3	17.2	1164.6	6609	507.282 ng/ml
Nordiazepam	5.918	1062216	2331.0	61.7	429045.2	79427	498.006 ng/ml
Norfentanyl	4.186	261095	327.2	34.1	60.5	625928	49.055 ng/ml
Noroxycodone	3.056	1932072	12720.9	43.5	2179.0	133308	515.494 ng/ml
O-desmethyl-tramadol	3.492	8084142	16494.3	6.8	19513.5	860901	500.044 ng/ml
Oxazepam	5.793	1630612	16550.5	72.7	4805.2	127015	499.562 ng/ml
Oxycodone	2.974	4720029	4057.7	29.1	3525.9	375126	496.844 ng/ml
Oxymorphone	1.499	2354734	1844.5	43.7	253.8	189638	501.142 ng/ml
Promethazine	5.606	1511310	1111077.1	39.5	64040.9	149801	501.756 ng/ml
Quetiapine	5.593	1847839	26426.3	59.9	5027.4	50367	526.205 ng/ml
Sertraline	5.809	115857	41588.3	97.1	3445.5	10230	502.157 ng/ml
Temazepam	5.850	3432547	29235.2	30.4	948.1	338890	496.829 ng/ml
Tramadol	4.342	8950618	4039.6	3.4	1164.5	894039	504.220 ng/ml
Trazodone	5.213	2793812	1893.2	75.8	9870.7	222065	522.056 ng/ml
Venlafaxine	5.153	5934542	103572.2	41.9	11753.3	807202	510.400 ng/ml
Zolpidem	4.970	9163558	9708.9	30.1	2584.5	827701	494.017 ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\020221\QuantResults\mdq.batch.bin  
Calibration Last Update 2/3/2021 11:32:38 AM

Instrument 69679 Data File cal 8 mdq.d  
Type Cal Sample cal 8 mdq  
Acq. Method mdqp1 1-21-21.m Operator Anne Nord  
Sample Position P2-H1 Comment  
Injection Volume 2.5  
Acq. Date-Time 2/2/2021 3:49:19 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.259	159363	2361.5	75.2	1248.2	41194	101.133 ng/ml
7-aminoclonazepam	4.377	874245	180.6	87.6	222.5	33018	1029.622 ng/ml
a-hydroxyalprazolam	5.734	211291	225.5	56.6	130.9	82399	200.715 ng/ml
alpha-PHP	5.036	6244704	64158.3	39.2	8405.4	296346	835.192 ng/ml
alpha-PVP	4.468	9005571	187630.0	52.5	16460.1	362443	1024.539 ng/ml
Alprazolam	5.803	2475021	22354.7	90.4	5129.5	80039	1015.555 ng/ml
Amphetamine	3.200	14403132	17282.6	46.0	2164.8	251525	967.423 ng/ml
Benzoylcegonine	3.994	234401	169063.9	12.9	9609.2	9097	1007.186 ng/ml
Buprenorphine	5.754	63061	723.0	15.5	6747.2	20821	106.782 ng/ml
Bupropion	4.893	8211191	1883471.7	64.9	113408.4	296346	1002.702 ng/ml
Carisoprodol	5.758	1279256	1853.4	67.9	1552.0	63405	1001.197 ng/ml
Citalopram	5.318	3265754	2080.8	40.4	1069311.3	147402	999.858 ng/ml
Clonazepam	5.657	2109906	436140.4	32.3	649156.3	36804	982.057 ng/ml
Clonazepam	5.614	1624388	12813.0	38.3	7332.8	36804	1001.912 ng/ml
Cocaine	4.366	6139183	144857.4	45.3	146746.3	502635	989.461 ng/ml
Codeine	2.726	672913	7190.8	91.6	485.6	36437	959.044 ng/ml
Cyclobenzaprine	5.664	1673680	91520.9	8.6	795.1	55295	992.957 ng/ml
Dextromethorphan	5.367	2031150	42342.4	75.2	78418.3	92492	1034.014 ng/ml
Dextrophan	4.235	5214982	52206.9	44.8	262839.1	300830	1010.001 ng/ml
Diazepam	5.974	2174397	10641.1	86.4	962.7	97040	1026.758 ng/ml
Diphenhydramine	5.394	13026241	150170.2	29.4	1083.4	625686	1007.724 ng/ml
Doxylamine	4.628	22649706	274607.6	95.8	15224.9	840387	1011.001 ng/ml
EDDP	5.351	9694260	174577.5	43.8	69617.1	469592	1002.200 ng/ml
Etizolam	5.837	1149108	1669.2	25.4	92898.0	97040	884.516 ng/ml
Fentanyl	5.188	271568	1546.3	121.1	39829.5	115684	101.577 ng/ml
Flualprazolam	5.745	1025894	19746.9	96.3	3129.3	80039	1075.443 ng/ml
Fluoxetine	5.751	444206	184418.9	7.6	2851.6	17699	980.785 ng/ml
Hydrocodone	3.138	3320072	335.8	38.4	453.8	421066	988.928 ng/ml
Hydromorphone	1.722	3390270	7899.6	71.9	3016.0	6403	973.500 ng/ml
Ketamine	4.145	6410524	7236.5	38.5	6493.4	302454	977.752 ng/ml
Lamotrigine	4.420	303472	2297.6	93.6	2854.6	185835	1011.590 ng/ml
Lorazepam	5.776	1024225	10318.7	48.7	2586.2	76146	833.146 ng/ml
MDA	3.324	5441751	591.4	25.9	34653.8	185835	964.512 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.421	5358114	184034.6	91.7	158996.3	51274	1005.161 ng/ml
Meprobamate	5.021	1407597	4465.7	28.1	5948.5	54067	983.073 ng/ml
Methadone	5.699	8083368	750275.6	50.9	658.5	374136	1019.252 ng/ml
Metoprolol	4.419	771747	748926.6	95.9	45563.7	469592	690.777 ng/ml
Mirtazapine	4.717	10128233	67505.4	47.3	140606.6	374136	956.960 ng/ml
Mitragynine	5.306	953358	4928.6	32.7	2018.1	469592	994.509 ng/ml
Morphine	1.316	478389	15358.7	17.6	649.5	6403	998.008 ng/ml
Nordiazepam	5.923	1690319	809209.3	62.7	655.0	62360	1009.117 ng/ml
Norfentanyl	4.186	428633	7647.4	35.1	6912.9	494585	101.867 ng/ml
Noroxycodone	3.056	3098960	1133.9	44.2	4592.4	112695	978.324 ng/ml
O-desmethyl-tramadol	3.491	14257783	369528.1	6.7	46032.1	753815	1006.804 ng/ml
Oxazepam	5.793	1962511	10827.7	72.5	5224.3	76146	1002.980 ng/ml
Oxycodone	2.974	8565837	10839.3	28.5	6273.5	339199	997.543 ng/ml
Oxymorphone	1.499	4151181	28208.7	43.3	7135.2	169145	991.126 ng/ml
Promethazine	5.606	3176786	1441622.5	38.8	3320.9	157245	1004.047 ng/ml
Quetiapine	5.593	3298842	2176936.6	61.4	48159.2	49050	965.215 ng/ml
Sertraline	5.803	129272	52068.8	97.2	44981.0	5699	1005.971 ng/ml
Temazepam	5.860	5246394	43721.2	30.4	25659.6	254500	1010.891 ng/ml
Tramadol	4.337	14616711	2083.8	3.4	228.1	751360	980.784 ng/ml
Trazodone	5.213	5198098	8830.8	75.0	9705.8	192400	1120.713 ng/ml
Venlafaxine	5.149	10737578	344.8	41.2	50622.1	662420	1124.761 ng/ml
Zolpidem	4.967	15687212	18362.6	29.4	7180.9	694237	1008.148 ng/ml