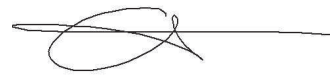


REVIEWED

By Sarah Collins at 4:38 pm, Mar 02, 2022



3/2/2022

Worklist: 5651

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	<u>REVIEWED</u> By Sarah Collins at 4:38 pm, Mar 02, 2022
C2022-0283	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2022-0284	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0306	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0321	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2022-0326	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0331	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0339	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0346	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0349	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0356	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0359	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0361	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2022-0370	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-0374	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Extraction Date 2/25/22

Analyst: Anne Nord

Plate lot#: 211018

Plate re-test: 04/18/22

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

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

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

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

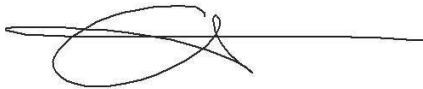
- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated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

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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: *Only methamphetamine was evaluated in this extraction and run. A number of compounds had little or no response. Curve range: methamphetamine 5-500*

The samples were all re-extracted and evaluated on 2/28/22



	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	326-1					361-2				
B	IS + Cal. 2	IS + QC_2	339-1					negative urine				
C	IS + Cal. 3	qc3	349-1									
D	IS + Cal. 4	IS + QC_4	346-1									
E	IS + Cal. 5	Qc 2 urine	370-1									
F	IS + Cal. 6	306-1	359-1				321-1					
G	IS + Cal. 7	284-1	356-1				374-1					
H	IS + Cal. 8	331-1	Negative blood									

Run blanks before

c2022-0__-__

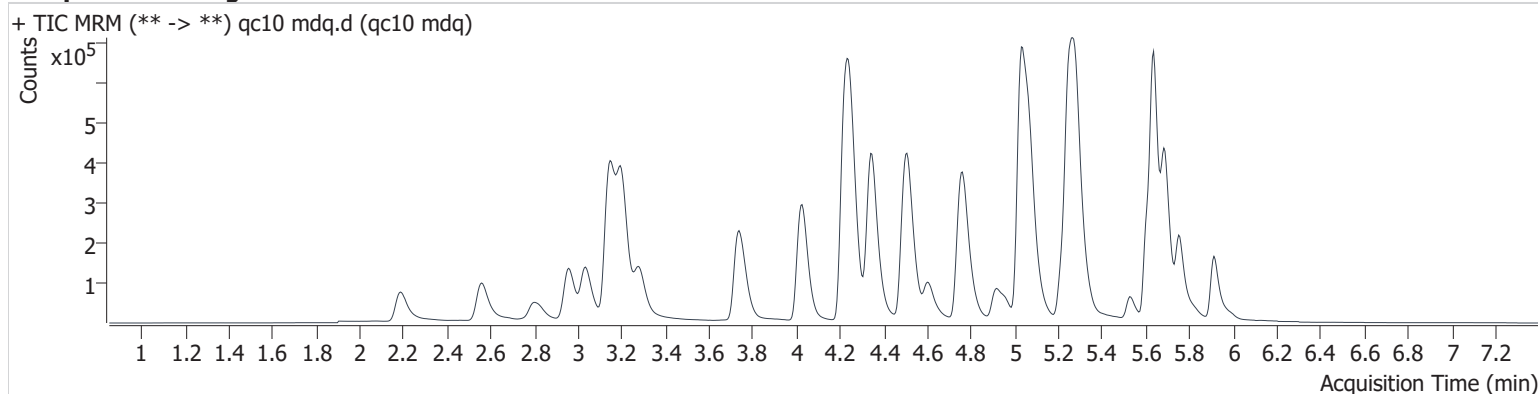
2/25/22 extraction

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-A2	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 4:51:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	431881	3919.5	38.6	3558.3	1370336	9.929 ng/ml

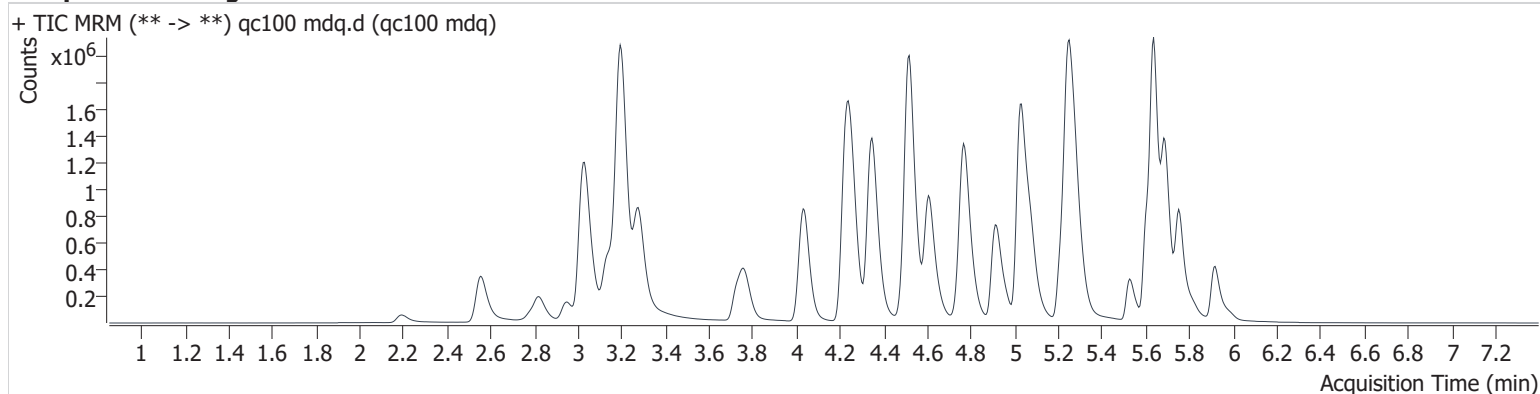
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 12:01:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.201	3354822	9843.0	40.3	∞	1397918	109.942 ng/ml

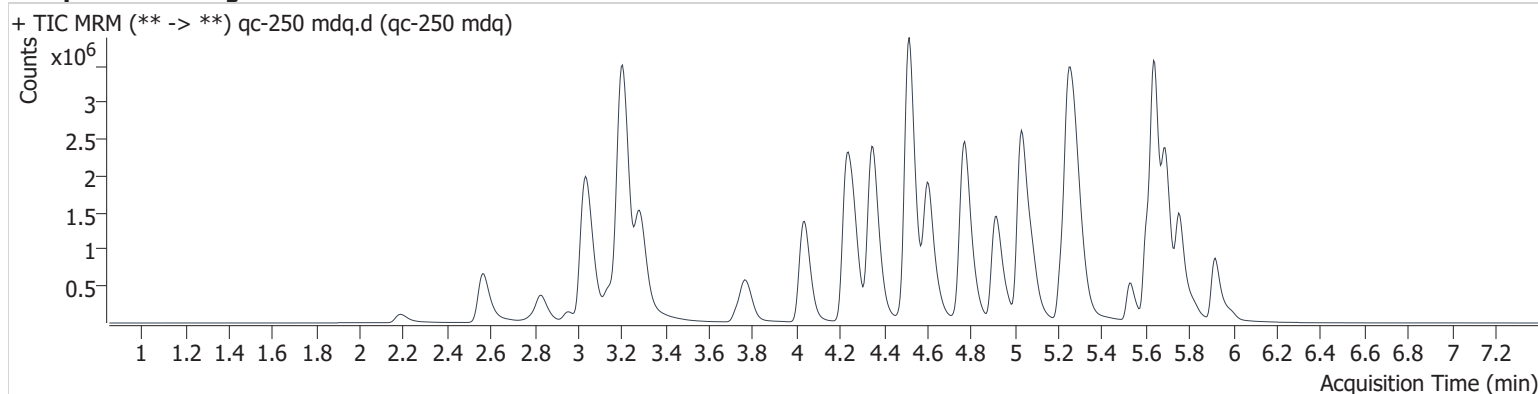
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C2	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 5:01:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	6301382	259831.5	38.4	∞	1245475	237.534 ng/ml

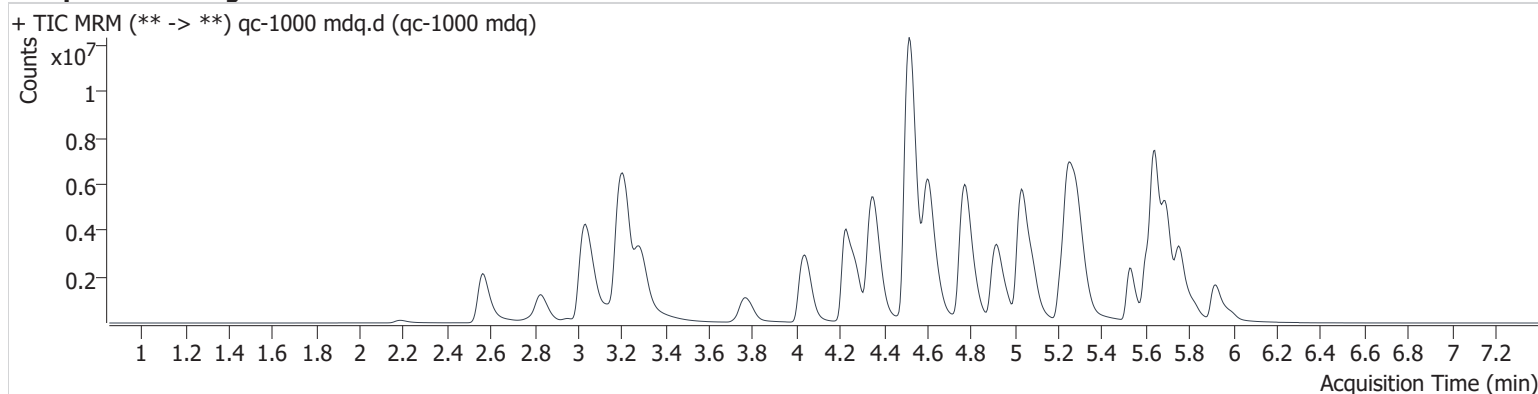
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D2	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 5:10:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	15119040	358536.6	37.2	990789.1	1060082	679.032 ng/ml ocr

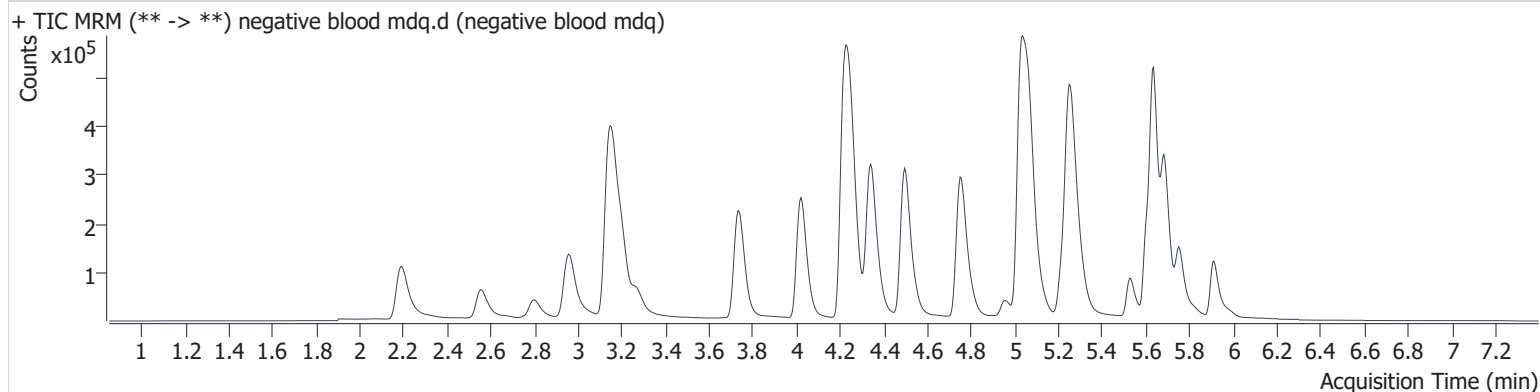
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H3	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 5:37:04 PM		
Sample Info.			

Sample Chromatogram



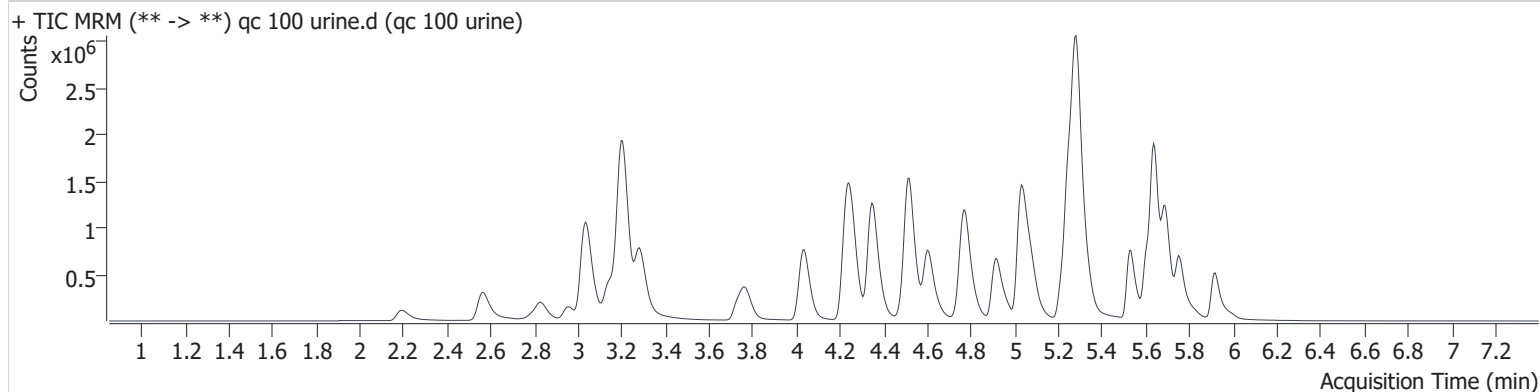
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	qc 100 urine.d
Type	Sample	Sample	qc 100 urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E2	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 5:28:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	2946200	29774.2	39.7	11973.4	1276441	105.541 ng/ml

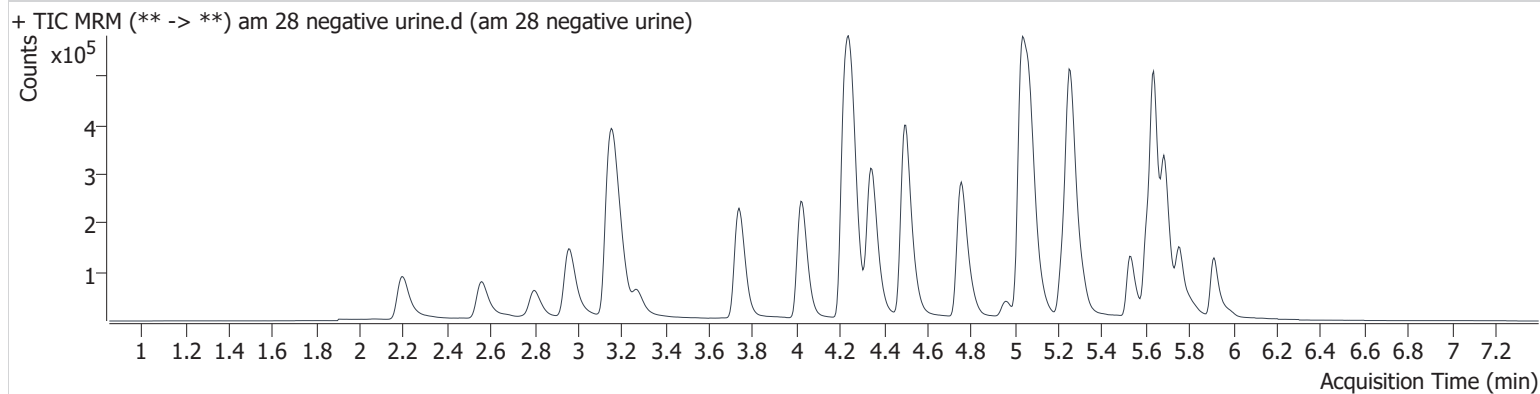
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

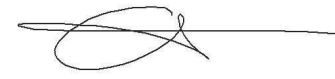
Instrument	69679	Data File	am 28 negative urine.d
Type	Sample	Sample	am 28 negative urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B8	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 7:34:22 PM		
Sample Info.			

Sample Chromatogram



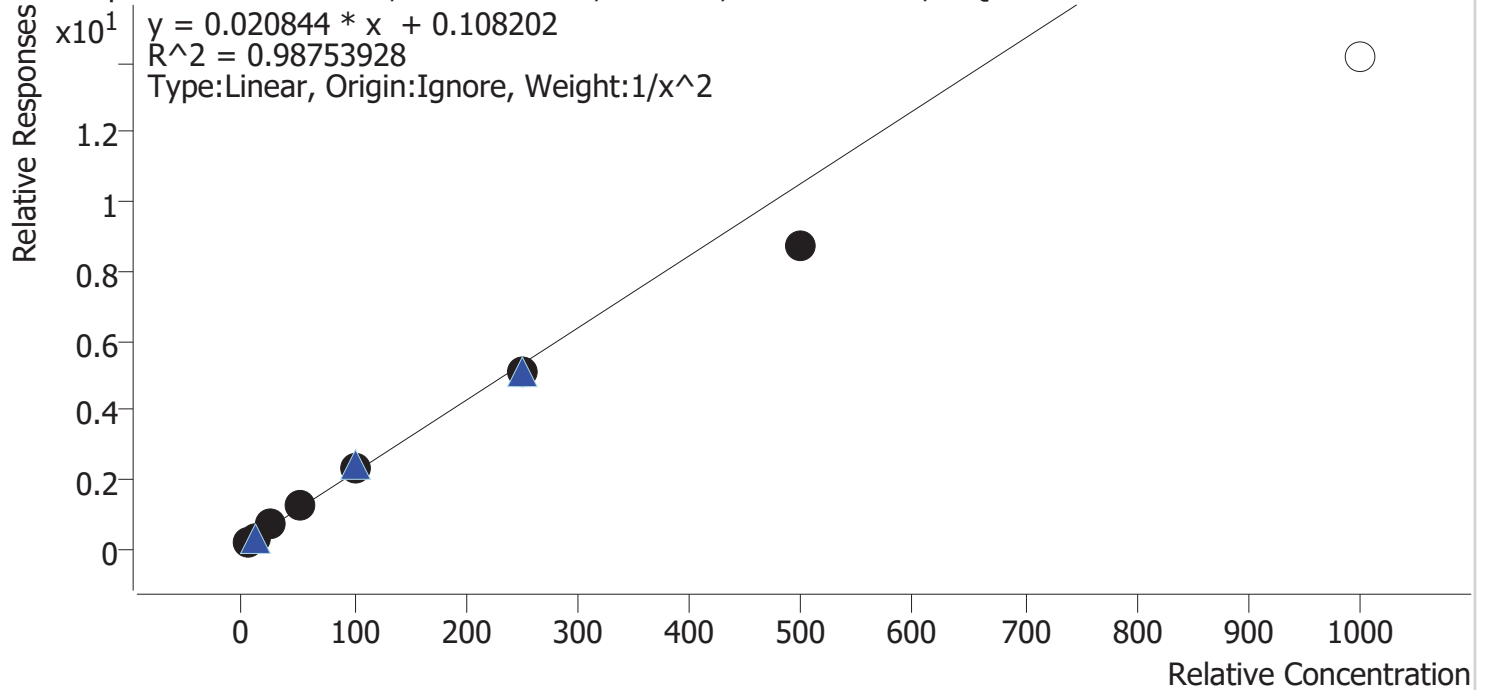
Only methamphetamine was evaluated in this extraction.

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Last Cal. Update 2/28/2022 1:21 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.2	102.3
cal 3 mdq	3	✓	25.0	27.3	109.2
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	237.2	94.9
cal 7 mdq	7	✓	500.0	414.0	82.8
cal 8 mdq	8	×	1000.0	675.8	67.6

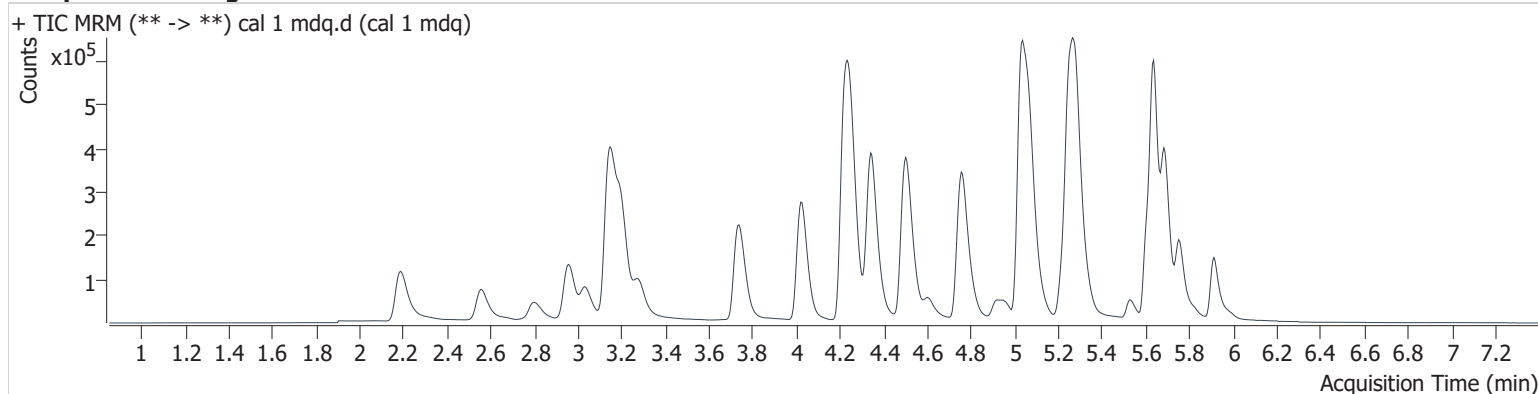
dropped cal 8 due to accuracy

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-A1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:12:56 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	288281	3361.7	38.5	7097.3	1383579	4.805 ng/ml

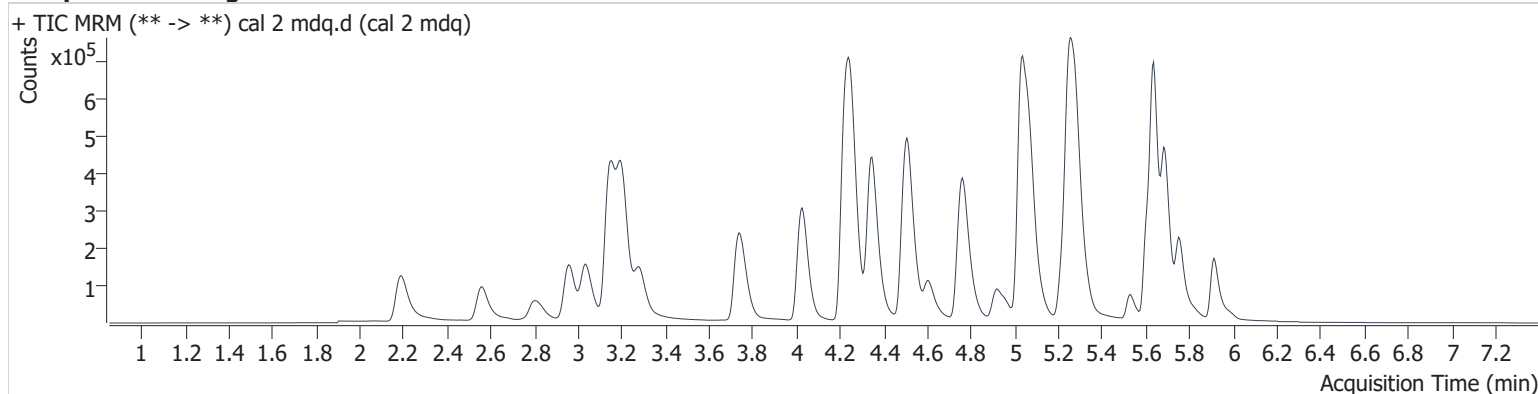
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:21:58 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.211	466014	4326.8	38.9	7617.5	1449850	10.229 ng/ml

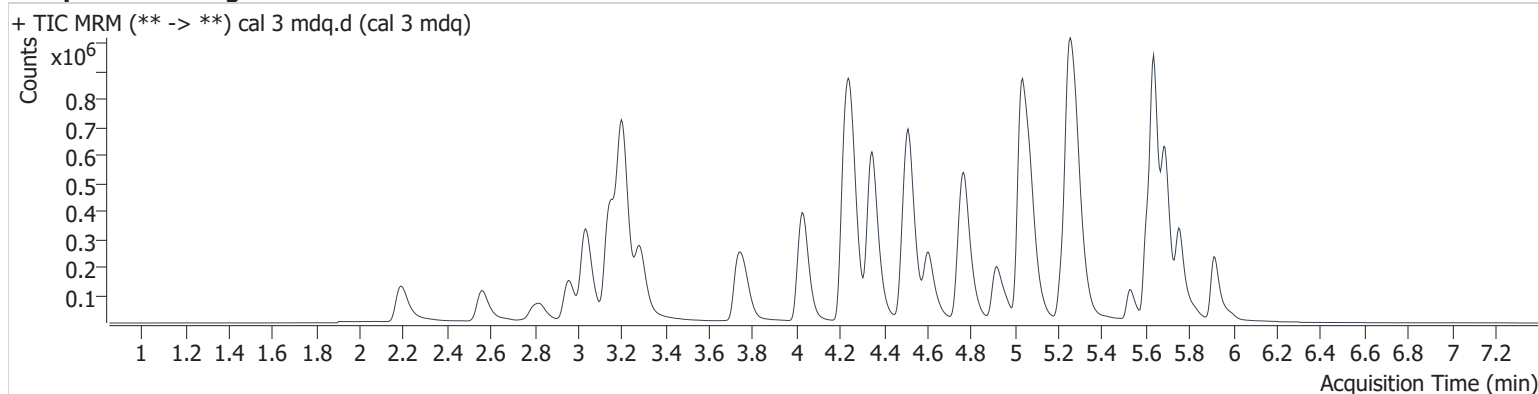
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:31:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	973217	11357.6	39.0	18083.8	1437003	27.300 ng/ml

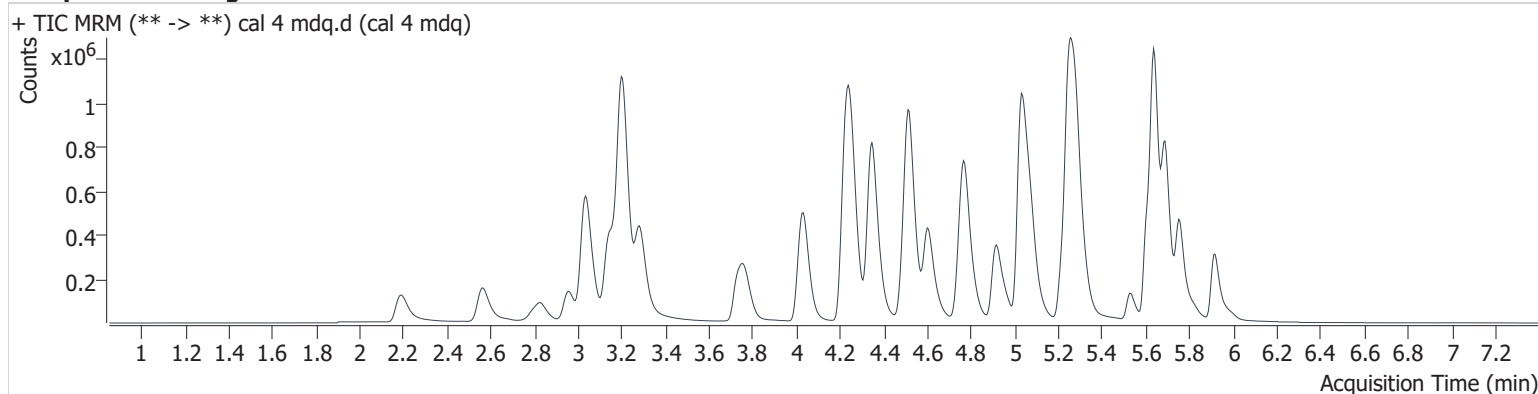
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:40:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	1654721	47795.3	39.4	17628.8	1329395	54.524 ng/ml

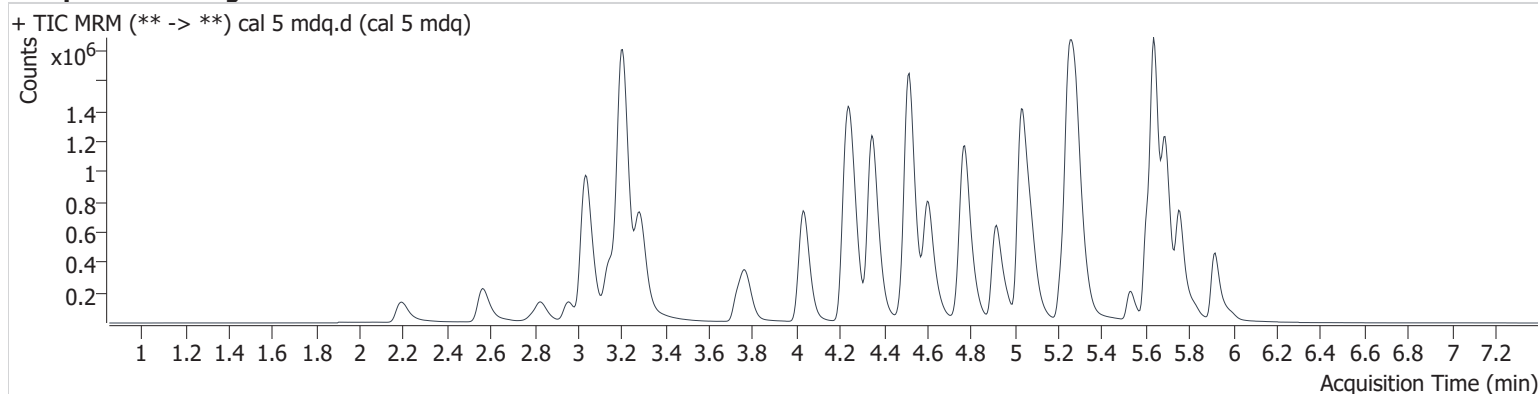
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:49:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	2926413	65148.4	38.6	65097.6	1266466	105.664 ng/ml

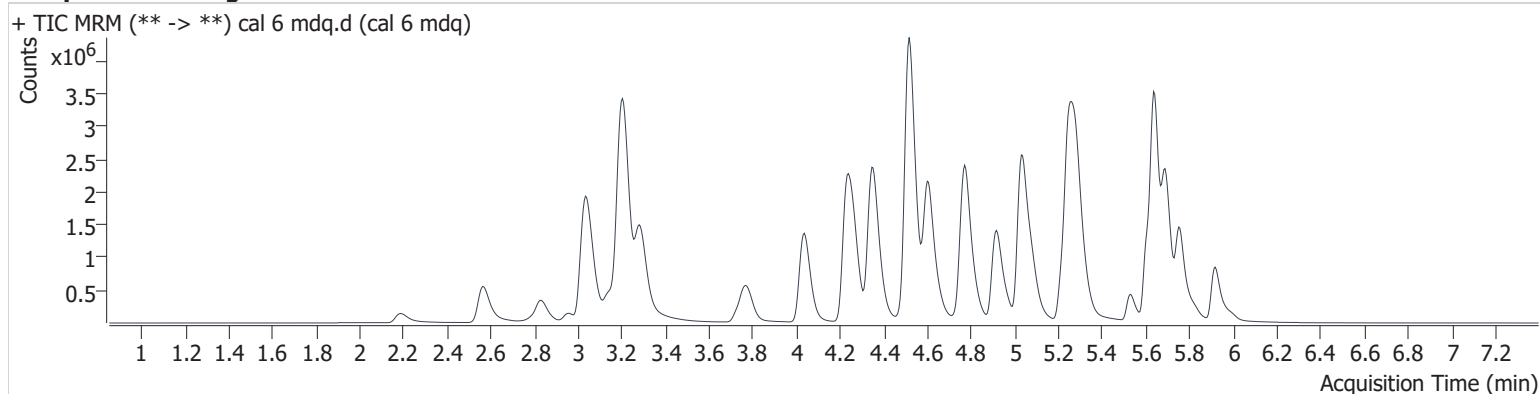
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 3:58:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.211	6178028	56271.7	38.8	95696.5	1222570	237.241 ng/ml

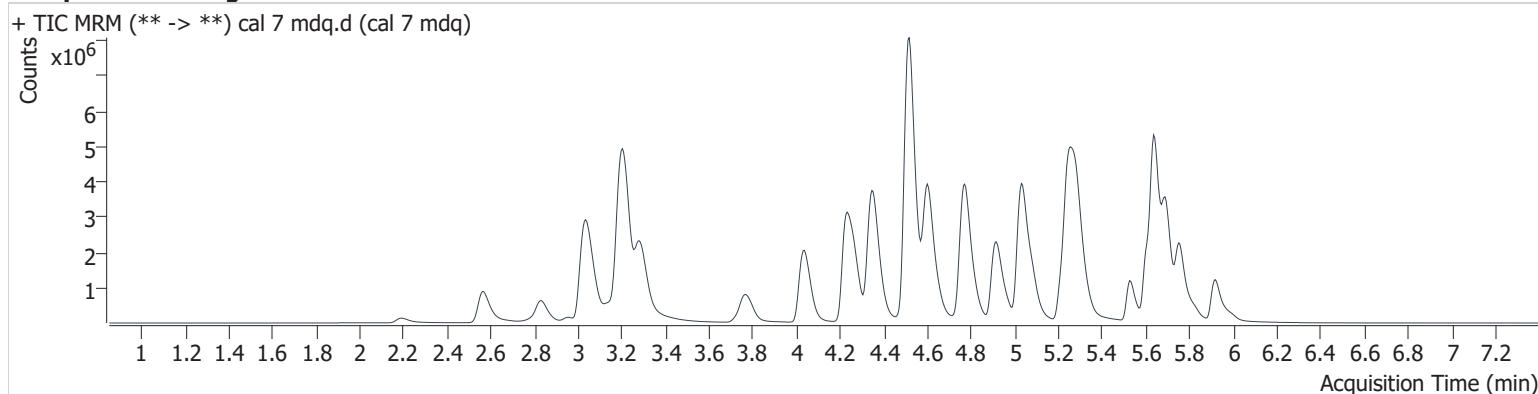
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 4:07:09 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	9990771	116863.5	37.9	175181.5	1143420	413.995 ng/ml

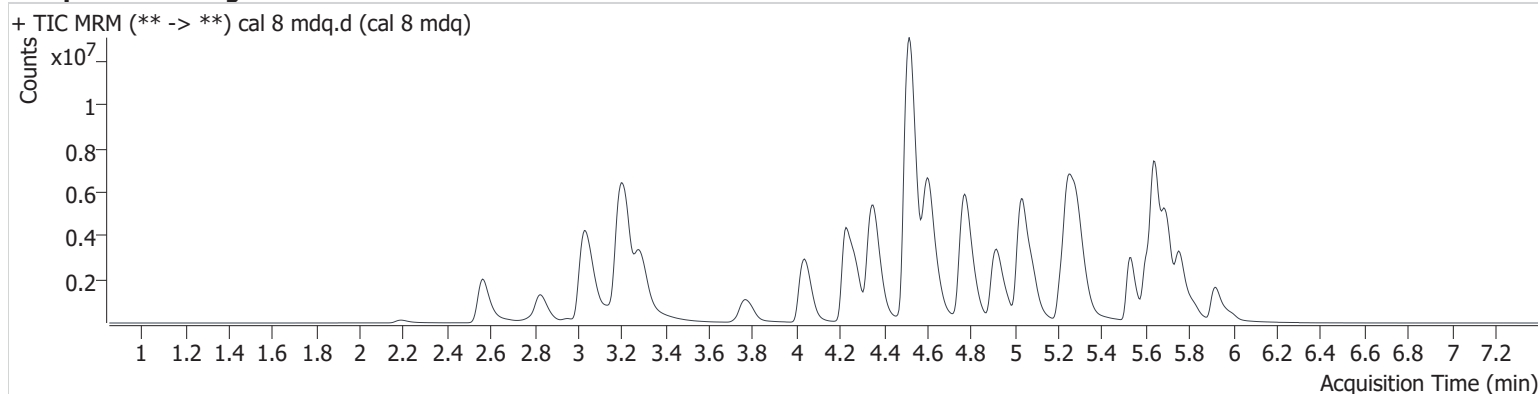
Only methamphetamine was evaluated in this extraction.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022522\QuantResults\mdq.batch.bin
Calibration Last Update 2/28/2022 1:21:00 PM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H1	Comment	
Injection Volume	3		
Acq. Date-Time	2/25/2022 4:25:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.206	15003290	516998.4	37.0	174235.8	1057030	675.755 ng/ml

Only methamphetamine was evaluated in this extraction.

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

2/28/22 ^{3/2/22}

Extraction Date 2/25/22 Analyst: Anne Nord
Plate lot#: 211018 Plate re-test: 04/18/22

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

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

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Curve limits: Amphetamine 5-250, Benzoylcegonine 10-1000, buprenorphine 1-100, dihydrocodeine 5-500, Lorazepam 5-500, MDA 5-250, Methamphetamine 5-250 (qualitative, quantitative evaluation on 2/25/22 extraction), phentermine 5-500, sertraline 5-500. Norbuprenorphine 2.5-100

Norhydrocodone was not evaluated due rising ratio.

Venlafaxine and temazepam reported as less than 10 ng for samples with a response between 5 and 10ng.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	326-1								321-1	
B	IS + Cal. 2	IS + QC_2	339-1								374-1	
C	IS + Cal. 3	qc3	349-1									
D	IS + Cal. 4	IS + QC_4	346-1									
E	IS + Cal. 5	Qc 2 urine	370-1									
F	IS + Cal. 6	306-1	359-1									
G	IS + Cal. 7	284-1	356-1							361-2		
H	IS + Cal. 8	331-1	Negative blood							negative urine		

Run blanks before

c2022-0__-__

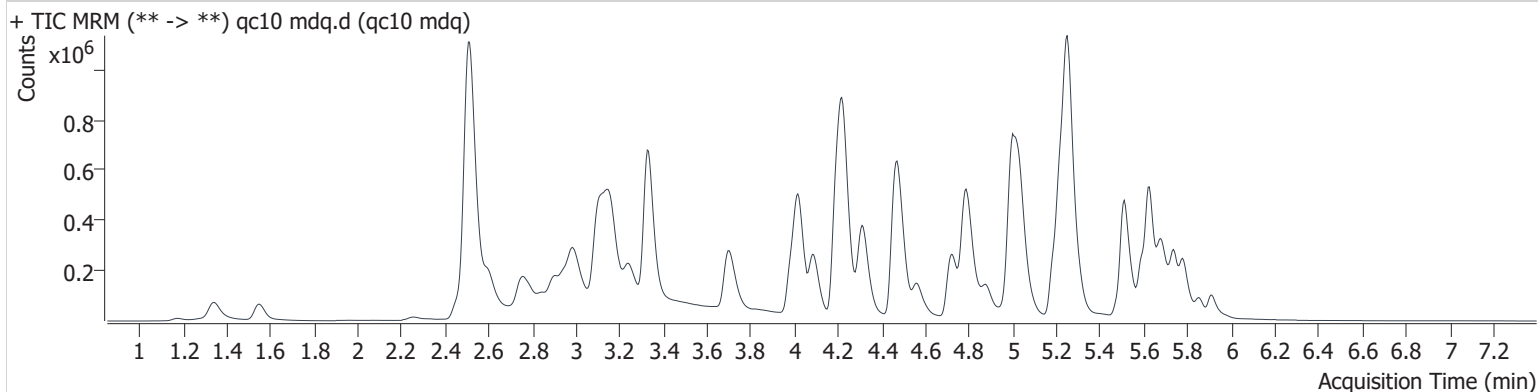
2/28/22 extraction

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-A2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 5:01:36 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	3181	∞	133.8	22821.2	85999	1.012 ng/ml
7-aminoclonazepam	4.237	62479	2084.5	73.0	1415.0	224902	10.050 ng/ml
a-hydroxyalprazolam	5.672	4999	∞	52.3	4663.1	373501	11.943 ng/ml
alpha-PHP	4.886	143047	5100.2	41.8	15965.9	518409	9.905 ng/ml
alpha-PVP	4.322	194200	4760.5	54.5	6744.3	836988	9.807 ng/ml
Alprazolam	5.746	65715	2230.6	91.6	2682.8	220867	10.226 ng/ml
Amphetamine	2.985	171611	445.3	199.5	∞	518409	10.929 ng/ml
Benzoylcegonine	3.860	3422	11540.9	52.7	85.7	12258	10.603 ng/ml
Buprenorphine	5.660	5787	2479.3	14.3	1221.9	91768	1.209 ng/ml
Bupropion	4.736	165472	3365.8	66.4	3463.1	717516	10.056 ng/ml
Carisoprodol	5.701	36822	10551.4	65.0	517.5	173627	9.835 ng/ml
Citalopram	5.191	134493	1666.8	36.7	2628.3	594613	10.107 ng/ml
Clonazepam	5.594	28391	103879.7	35.5	72479.8	50905	11.650 ng/ml
Clonazepam	5.535	39457	61536.1	41.6	55612.4	50905	10.555 ng/ml
Cocaine	4.226	138832	14341.7	50.6	12830.2	1231331	9.951 ng/ml
Codeine	2.521	19339	21661.9	96.6	1427.4	84271	10.155 ng/ml
Cyclobenzaprine	5.596	123001	1720.4	8.0	2536.2	422689	9.914 ng/ml
Dextromethorphan	5.229	90998	3497.9	78.8	2803.7	458425	9.626 ng/ml
Dextrorphan	4.088	115972	1653635818 5878.7	43.5	7676.9	591826	9.957 ng/ml
Diazepam	5.919	38112	1501.0	88.1	39453.9	190507	9.686 ng/ml
Dihydrocodeine	2.495	46940	836.0	63.4	1427.0	288963	10.588 ng/ml
Diphenhydramine	5.256	398925	6627.6	32.7	4666.3	2264878	9.908 ng/ml
Doxylamine	4.486	421228	9153.1	79.1	5414.9	1673594	9.987 ng/ml
EDDP	5.224	183629	167923.2	41.8	26782.0	978667	9.892 ng/ml
Etizolam	5.781	35202	∞	25.0	7899.3	190507	10.042 ng/ml
Fentanyl	5.045	13391	1512.3	106.8	11506.6	759917	0.941 ng/ml
Flualprazolam	5.682	31046	94518.7	85.1	∞	220867	10.032 ng/ml
Fluoxetine	5.678	86323	3131.1	7.3	7173.6	318365	10.300 ng/ml
Hydrocodone	2.972	65214	13149.1	36.8	∞	365320	10.410 ng/ml
Hydromorphone	1.557	48612	∞	72.4	17522.5	164483	10.387 ng/ml
Ketamine	4.002	130357	∞	36.9	1339.8	623215	10.204 ng/ml
Lamotrigine	4.244	11607	13657.7	93.8	1948.4	373501	10.737 ng/ml

AM #28 Multi-Drug Quant. Results

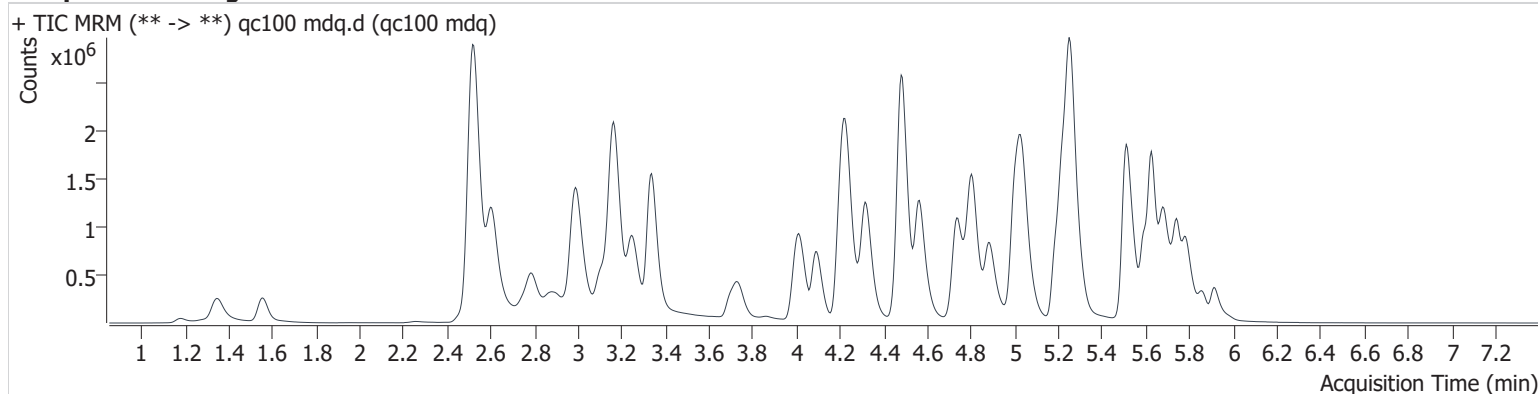
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Levetiracetam	2.600	114515	3088.3	220.6	6294.2	980936	10.085	ng/ml
Lorazepam	5.719	14973	∞	49.6	235.8	130078	9.985	ng/ml
MDA	3.153	204036	2466.3	27.5	814.8	587565	10.529	ng/ml
MDMA	3.245	129842	7068.4	96.9	15182.5	142425	10.175	ng/ml
Meprobamate	4.887	40097	105956.3	28.3	1825.4	173627	10.330	ng/ml
Methadone	5.625	206350	13422.5	58.1	3173.9	980936	9.763	ng/ml
Methamphetamine	3.165	363487	240.2	41.1	107.6	1172597	10.807	ng/ml
Metoprolol	4.289	29839	5246.6	101.1	∞	587565	9.117	ng/ml
Mirtazapine	4.564	258698	19019.7	48.5	6413.7	980936	10.265	ng/ml
Mitragynine	5.179	48066	130130.9	32.5	25021.9	19057	10.804	ng/ml
Morphine	1.181	5610	10110.4	21.9	1791.5	6030	10.478	ng/ml
Norbuprenorphine	4.961	1011	97689.3	110.0 High	2081.3	19057	0.870	ng/ml ocr
Nordiazepam	5.862	33002	∞	59.7	∞	117295	9.822	ng/ml
Norfentanyl	4.043	10059	1600.6	36.1	9739.7	1172034	0.959	ng/ml
Norhydrocodone	3.029	3200	∞	18.7 Low	80.9	84847	8.963	ng/ml ne
Noroxycodone	2.864	54750	∞	48.0	∞	203166	10.136	ng/ml
O-desmethyl-tramadol	3.332	292137	13291.7	6.3	2931.7	1654945	9.680	ng/ml
Oxazepam	5.726	32385	∞	66.4	1837.1	130078	10.251	ng/ml
Oxycodone	2.781	136194	∞	31.0	∞	629559	10.135	ng/ml
Oxymorphone	1.344	73353	∞	46.3	∞	253826	9.799	ng/ml
Phentermine	3.734	61140	364.7	8.4	299.0	768847	10.416	ng/ml
Promethazine	5.512	190211	2399.6	39.5	1403.3	949682	9.901	ng/ml
Pseudoephedrine	2.519	703670	267566.4	24.0	∞	3398837	9.834	ng/ml
Quetiapine	5.498	122955	69324.2	62.5	∞	194427	10.370	ng/ml
Sertraline	5.741	30346	1531.4	98.3	3716.9	127910	10.436	ng/ml
Temazepam	5.788	77145	1537.7	29.2	530.7	373501	10.585	ng/ml
Tramadol	4.207	321753	8375.2	3.7	1917.3	1619349	10.351	ng/ml
Trazodone	5.029	173367	5029.5	79.7	15917.7	700354	10.741	ng/ml
Venlafaxine	5.005	226766	10320.3	36.9	1814.6	1531770	10.458	ng/ml
Zolpidem	4.806	307248	95689.0	28.3	27405.8	1417199	9.989	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 9:04:45 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	31165	∞	131.0	103694.7	86294	10.414 ng/ml
7-aminoclonazepam	4.243	521761	11469.9	74.8	20121.4	189616	98.595 ng/ml
a-hydroxyalprazolam	5.666	45198	2035.8	58.1	1604.3	416508	99.687 ng/ml
alpha-PHP	4.886	1451790	27257.3	39.6	13990.2	563881	98.673 ng/ml
alpha-PVP	4.322	1907950	101100.9	53.3	24601.0	836671	94.058 ng/ml
Alprazolam	5.746	614714	2278.8	97.1	3569.6	215878	94.479 ng/ml
Amphetamine	2.996	1418968	11165.0	225.5	∞	563881	97.679 ng/ml
Benzoylcegonine	3.866	35771	11741.8	57.8	31418.6	14151	101.954 ng/ml
Buprenorphine	5.660	58439	∞	15.0	15030.9	98282	9.231 ng/ml
Bupropion	4.741	1874416	89642.2	68.1	22687.7	822542	101.001 ng/ml
Carisoprodol	5.701	354246	626505.4	63.6	2687.1	165940	98.400 ng/ml
Citalopram	5.191	1260184	23172.5	39.1	96758.1	571781	99.272 ng/ml
Clonazepam	5.594	300286	27526.8	34.7	∞	58721	111.686 ng/ml
Clonazepam	5.540	398870	52175.0	41.1	∞	58721	89.068 ng/ml
Cocaine	4.226	1307427	1917455.1	51.1	57669.7	1176402	97.336 ng/ml
Codeine	2.532	166445	25720.8	94.0	70289.2	75459	110.625 ng/ml
Cyclobenzaprine	5.596	1402899	610079.0	8.2	2460.7	483984	99.020 ng/ml
Dextromethorphan	5.229	906992	62590.7	74.7	23825.4	439624	97.890 ng/ml
Dextrophan	4.094	1192299	108403.8	44.6	45900.8	613446	97.402 ng/ml
Diazepam	5.919	429482	9408.7	86.6	9821.1	208895	101.996 ng/ml
Dihydrocodeine	2.495	426252	4501.2	64.6	4707.0	291530	106.129 ng/ml
Diphenhydramine	5.256	3956120	73837.8	32.5	∞	2195460	98.227 ng/ml
Doxylamine	4.487	4275923	163574.8	80.6	161484.2	1726065	99.265 ng/ml
EDDP	5.224	1651390	793739.9	42.9	1405899.8	877940	97.709 ng/ml
Etizolam	5.781	364092	6706.2	25.0	∞	208895	101.281 ng/ml
Fentanyl	5.050	144290	98821.1	114.5	471357.5	786637	9.379 ng/ml
Flualprazolam	5.682	285739	∞	90.1	5143.0	215878	96.802 ng/ml
Fluoxetine	5.683	1079427	∞	7.4	∞	420957	97.888 ng/ml
Hydrocodone	2.977	598235	∞	37.6	∞	366878	101.944 ng/ml
Hydromorphone	1.557	458589	∞	75.0	∞	155067	103.533 ng/ml
Ketamine	4.007	1292177	49702.9	36.9	8374.8	642745	102.126 ng/ml
Lamotrigine	4.254	103354	9626.5	90.9	135874.2	416508	85.094 ng/ml
Levetiracetam	2.605	1072606	25755.0	221.5	27140.3	1048533	104.802 ng/ml

AM #28 Multi-Drug Quant. Results

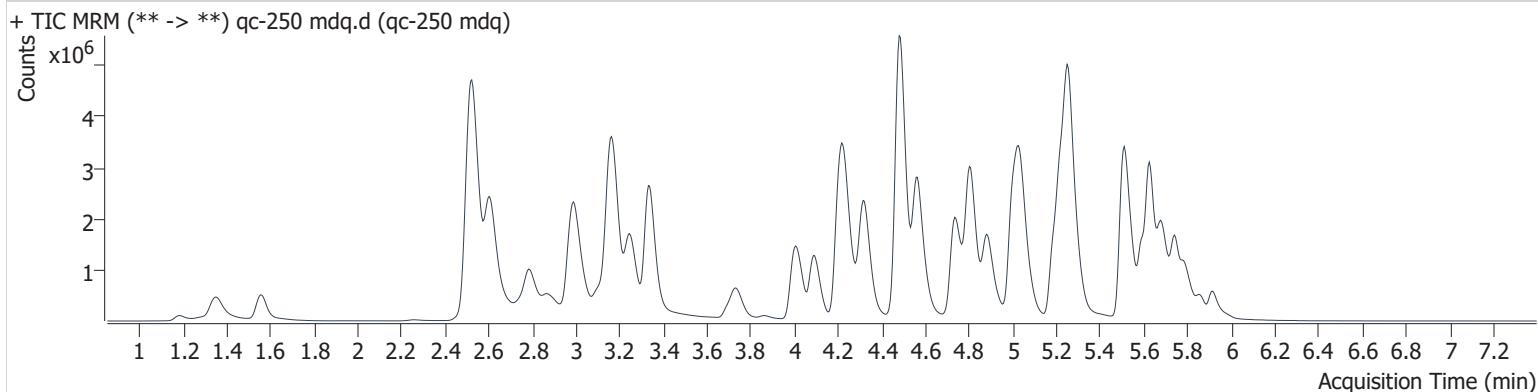
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	112317	∞	53.2	1826.3	106068	91.501 ng/ml
MDA	3.153	1593934	28783.1	27.9	6244.5	508605	102.149 ng/ml
MDMA	3.250	1242595	∞	95.0	30957.6	139409	99.230 ng/ml
Meprobamate	4.892	365519	95533.2	30.3	5772.1	165940	100.798 ng/ml
Methadone	5.631	2186710	707277.8	56.8	17112.4	1048533	95.242 ng/ml
Methamphetamine	3.170	2524292	373.5	39.3	764.3	1215175	100.223 ng/ml
Metoprolol	4.289	288467	4734711.8	98.4	∞	508605	95.507 ng/ml
Mirtazapine	4.564	2626267	329559.5	48.8	76640.7	1048533	98.203 ng/ml
Mitragynine	5.179	464406	300828.5	34.3	160234.9	21598	107.489 ng/ml
Morphine	1.181	52612	∞	25.6	2656.1	5972	101.025 ng/ml
Norbuprenorphine	4.961	10040	24948.4	93.4	9768.8	21598	9.733 ng/ml
Nordiazepam	5.862	343306	∞	59.9	∞	125648	99.001 ng/ml
Norfentanyl	4.048	98244	5101.7	38.5	7881.0	1153892	8.944 ng/ml
Norhydrocodone	3.029	30109	1017.2	25.3	1029.3	68948	86.984 ng/ml ne
Noroxycodone	2.869	515892	∞	48.8	∞	193617	98.746 ng/ml
O-desmethyl-tramadol	3.337	2976243	1435203.9	6.4	170530.9	1687340	96.226 ng/ml
Oxazepam	5.726	263680	18953.9	67.9	4039.6	106068	103.856 ng/ml
Oxycodone	2.786	1375423	∞	31.6	∞	652701	101.961 ng/ml
Oxymorphone	1.349	717019	∞	46.8	∞	255070	97.472 ng/ml
Phentermine	3.740	602879	1477.6	7.1	1591.1	803461	106.459 ng/ml
Promethazine	5.517	2186802	229513.1	39.2	∞	1100006	94.354 ng/ml
Pseudoephedrine	2.524	6630302	51368.8	23.9	20608.8	3194064	97.044 ng/ml
Quetiapine	5.498	1246333	2747282.3	62.4	1474462.8	202833	108.602 ng/ml
Sertraline	5.746	370549	2240346.6	100.8	29339.9	166606	98.240 ng/ml
Temazepam	5.788	837085	16577.3	27.5	2894.3	416508	89.498 ng/ml
Tramadol	4.207	2999346	242955.7	3.7	3212.1	1632466	103.372 ng/ml
Trazodone	5.034	1747891	1546932.0	80.4	53627.7	740581	108.675 ng/ml
Venlafaxine	5.005	2261438	245092.7	37.3	7508.5	1505272	92.632 ng/ml
Zolpidem	4.806	3106694	122779.2	28.4	433471.5	1457495	101.251 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 5:10:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	71316	5042.2	129.4	9789.4	80005	25.792 ng/ml
7-aminoclonazepam	4.243	855519	26306.3	76.1	15604.0	122267	250.549 ng/ml
a-hydroxyalprazolam	5.666	56924	3491.6	63.9	379.7	225274	232.662 ng/ml
alpha-PHP	4.886	3273983	216516.2	40.0	23569.2	478360	263.548 ng/ml
alpha-PVP	4.322	4304785	320382.3	53.8	87460.5	741834	238.941 ng/ml
Alprazolam	5.746	1086696	3244.3	98.6	∞	150763	238.553 ng/ml
Amphetamine	2.996	2576806	∞	220.5	∞	478360	211.617 ng/ml
Benzoylcegonine	3.860	82323	11243.5	56.7	11879.0	12306	271.017 ng/ml
Buprenorphine	5.660	116498	∞	16.4	18273.4	79320	22.423 ng/ml
Bupropion	4.736	4062115	203456.9	65.8	20503.6	718004	251.024 ng/ml
Carisoprodol	5.701	570176	509973.0	63.3	∞	100692	260.899 ng/ml
Citalopram	5.191	2484965	157558.6	39.5	∞	452208	247.652 ng/ml
Clonazepam	5.594	365337	81182.7	35.7	66515.0	30445	262.884 ng/ml
Clonazolam	5.535	620382	13719.1	41.8	286159.0	30445	266.309 ng/ml
Cocaine	4.226	2781957	106492.8	50.4	209168.6	979083	248.720 ng/ml
Codeine	2.532	304707	121409.3	97.3	282089.8	62356	246.911 ng/ml
Cyclobenzaprine	5.596	2841077	155650.4	8.4	46640.1	389277	249.361 ng/ml
Dextromethorphan	5.229	1727633	35542.3	76.1	∞	333147	245.706 ng/ml
Dextrophan	4.094	2560160	443218.3	44.7	142895.3	517579	247.649 ng/ml
Diazepam	5.919	817356	∞	88.2	9665.2	164290	247.189 ng/ml
Dihydrocodeine	2.495	886981	10047.8	63.8	2188.1	268409	241.571 ng/ml
Diphenhydramine	5.256	8476768	486627.4	31.7	147377.6	1799135	256.285 ng/ml
Doxylamine	4.486	10206685	122674.2	82.4	1308040.1	1591390	257.173 ng/ml
EDDP	5.224	3838486	212088.0	42.7	54368.4	800700	248.773 ng/ml
Etizolam	5.781	717199	24377.2	25.4	∞	164290	254.844 ng/ml
Fentanyl	5.050	328983	155636.4	116.2	575112.0	672267	24.948 ng/ml
Flualprazolam	5.677	516278	∞	89.2	14945.3	150763	250.886 ng/ml
Fluoxetine	5.683	1976584	67140.4	7.2	44616.4	295492	255.447 ng/ml
Hydrocodone	2.972	1227345	∞	37.5	∞	305767	252.182 ng/ml
Hydromorphone	1.557	1036540	∞	75.6	∞	137362	264.106 ng/ml
Ketamine	4.002	2907463	197693.5	36.5	18894.2	565497	261.910 ng/ml
Lamotrigine	4.254	183665	9813.8	91.0	18728.6	225274	279.375 ng/ml
Levetiracetam	2.610	2271452	138518.0	224.2	181267.3	906203	259.866 ng/ml

AM #28 Multi-Drug Quant. Results

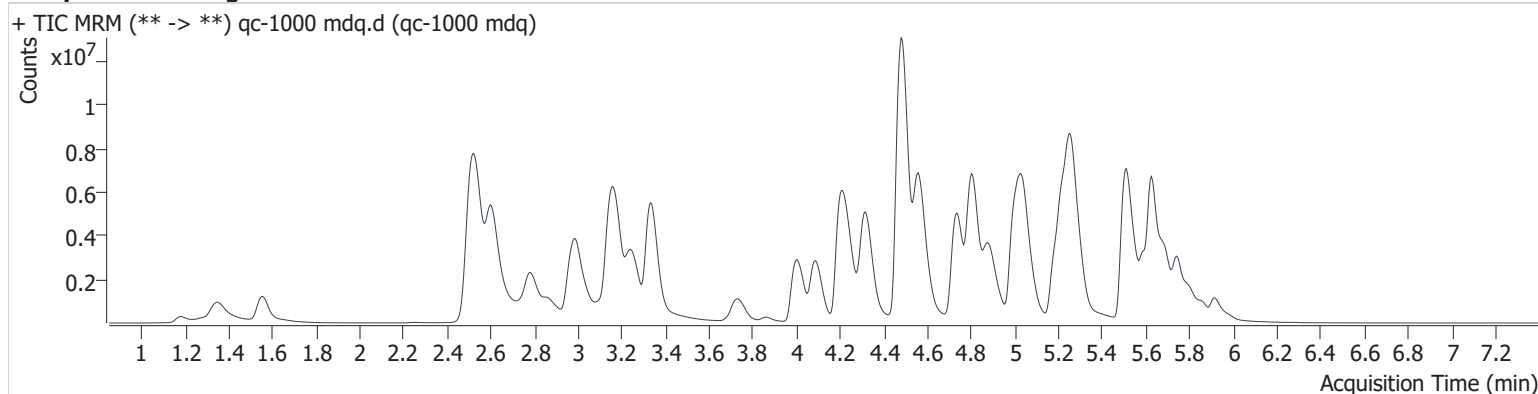
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	136496	∞	53.0	11719.4	47045	250.633 ng/ml
MDA	3.148	2461658	42462.9	29.6	6722.3	363648	221.674 ng/ml
MDMA	3.245	2655077	137040.3	94.7	90624.8	119993	246.293 ng/ml
Meprobamate	4.892	583832	252711.5	28.9	8306.4	100692	265.766 ng/ml
Methadone	5.625	4912200	40992.1	53.9	75935.0	906203	247.277 ng/ml
Methamphetamine	3.170	5245440	641.2	39.1	539.3	1144782	226.949 ng/ml
Metoprolol	4.289	567623	92142.4	98.5	∞	363648	261.755 ng/ml
Mirtazapine	4.564	6056056	319366.2	48.5	172122.7	906203	262.159 ng/ml
Mitragynine	5.179	959351	162161.4	35.0	202710.8	18635	260.206 ng/ml
Morphine	1.186	129574	6826.2	23.9	13292.6	5850	254.297 ng/ml
Norbuprenorphine	4.961	21489	14036.1	98.6	16103.8	18635	24.549 ng/ml
Nordiazepam	5.862	573299	35278.5	61.0	110746.1	83044	250.776 ng/ml
Norfentanyl	4.043	214649	41445.0	37.5	13845.7	955710	23.491 ng/ml
Norhydrocodone	3.029	68002	3119.7	30.0	1631.2	55697	240.349 ng/ml
Noroxycodone	2.869	978000	∞	47.0	∞	146129	247.783 ng/ml
O-desmethyl-tramadol	3.337	6805156	444191.6	6.3	54221.1	1515133	244.940 ng/ml
Oxazepam	5.726	281138	1375.4	68.2	5361.1	47045	249.889 ng/ml
Oxycodone	2.781	3137032	∞	31.4	∞	605858	251.069 ng/ml
Oxymorphone	1.349	1598459	∞	46.5	∞	225560	246.101 ng/ml
Phentermine	3.734	1205424	1152.3	6.7	1946.9	721651	238.178 ng/ml
Promethazine	5.512	4974769	384317.6	37.9	36789.0	931004	252.869 ng/ml
Pseudoephedrine	2.527	13814958	∞	23.6	179032.9	2595436	248.568 ng/ml
Quetiapine	5.493	2578509	18070375.9	62.8	1987926.0	178799	256.097 ng/ml
Sertraline	5.746	712453	∞	101.0	17752.0	123702	254.478 ng/ml
Temazepam	5.793	1155111	36965.8	28.3	3397.3	225274	225.941 ng/ml
Tramadol	4.207	6525073	168968.5	3.5	3956.1	1488332	247.952 ng/ml
Trazodone	5.034	3708107	12796.2	80.0	408285.4	637290	268.996 ng/ml
Venlafaxine	5.000	5261228	117266.1	36.3	24166.8	1346064	238.636 ng/ml
Zolpidem	4.806	7184696	378748.1	27.6	44634.4	1316619	259.750 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 5:19:40 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	210860	700156.1	131.1	14830.7	60374	101.233 ng/ml
7-aminoclonazepam	4.253	950192	9101.3	77.1	4118.5	34080	998.027 ng/ml
a-hydroxyalprazolam	5.666	83906	2194.2	63.0	3170.3	82664	935.791 ng/ml
alpha-PHP	4.886	8499731	2410948.6	39.6	26663.3	353435	927.936 ng/ml
alpha-PVP	4.317	11417144	470342.7	51.9	96177.0	456417	1029.138 ng/ml
Alprazolam	5.746	2167647	5040.7	99.1	5075.9	79559	900.620 ng/ml
Amphetamine	2.991	4595095	∞	221.9	1071071086 36832.0	353435	513.877 ng/ml ocr
Benzoylcegonine	3.860	301698	360510.9	56.7	5721.2	11188	1094.722 ng/ml
Buprenorphine	5.660	266701	1082679.7	14.8	399140.3	41923	96.266 ng/ml
Bupropion	4.736	11228866	∞	63.3	60719.6	511678	974.238 ng/ml
Carisoprodol	5.706	954140	1288523.5	62.5	36682.5	40754	1078.478 ng/ml
Citalopram	5.186	4695436	∞	40.0	1572236.0	207981	1017.732 ng/ml
Clonazepam	5.594	392398	33103.9	36.1	29739.6	8824	975.818 ng/ml
Clonazolam	5.546	883345	25974.5	42.5	1172907.9	8824	1306.579 ng/ml
Cocaine	4.226	5932510	378110.3	50.3	419339.5	523467	991.783 ng/ml
Codeine	2.526	607802	278934.6	97.2	12014.3	36010	856.577 ng/ml
Cyclobenzaprine	5.596	6139743	231770.8	8.3	32892.5	210735	995.534 ng/ml
Dextromethorphan	5.224	3453658	106679.4	74.6	106470.3	164035	996.864 ng/ml
Dextrorphan	4.088	6987192	584057.5	44.1	422660.4	334592	1045.031 ng/ml
Diazepam	5.919	2043719	∞	86.4	14635.2	101518	1001.049 ng/ml
Dihydrocodeine	2.485	2147575	14378.9	64.0	4817.2	215365	731.688 ng/ml ocr
Diphenhydramine	5.261	18591384	696163.0	31.5	162801.0	975793	1035.324 ng/ml
Doxylamine	4.480	27824747	4013539.0	87.2	194873.2	1161941	960.504 ng/ml
EDDP	5.218	10668026	148529.8	41.0	76008.4	532600	1038.919 ng/ml
Etizolam	5.786	1731117	20933.1	25.2	∞	101518	997.732 ng/ml
Fentanyl	5.050	894594	154535.5	123.5	678758.5	406517	112.033 ng/ml
Flualprazolam	5.682	951115	8709.3	87.7	10364.0	79559	876.547 ng/ml
Fluoxetine	5.683	3798722	2055264.3	7.3	263613.2	139786	1037.957 ng/ml
Hydrocodone	2.972	3277242	∞	40.4	∞	222597	927.214 ng/ml
Hydromorphone	1.557	2979572	∞	75.5	∞	98058	1063.350 ng/ml
Ketamine	4.002	7665716	885429.9	35.2	2218838.0	386145	1012.623 ng/ml
Lamotrigine	4.254	255003	201869.4	92.5	263149.6	82664	1056.814 ng/ml

AM #28 Multi-Drug Quant. Results

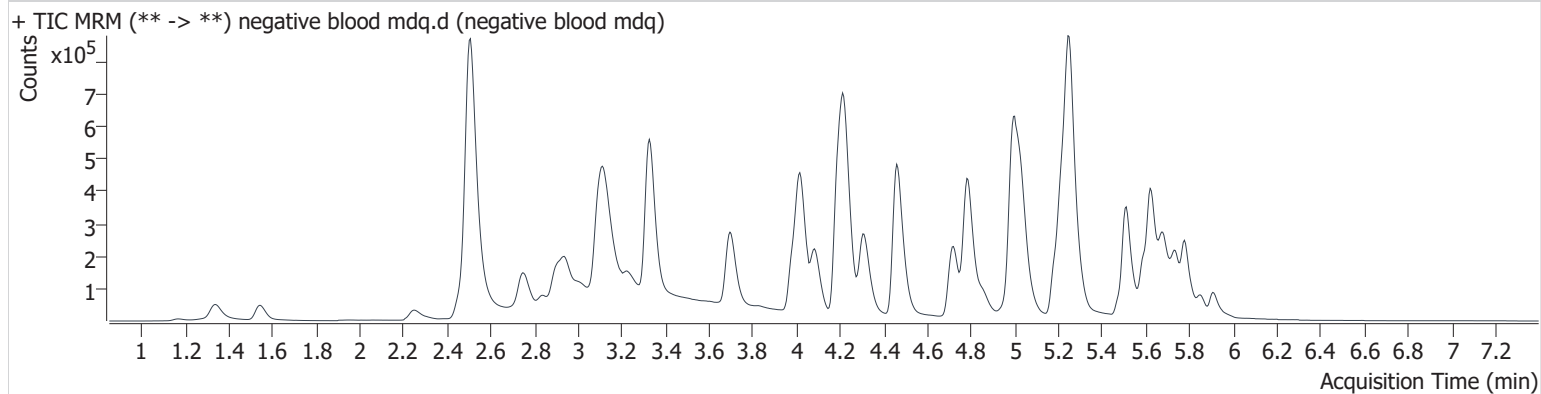
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Levetiracetam	2.605	5145907	436577.8	221.4	1703428.6	581191	923.300	ng/ml
Lorazepam	5.719	183436	∞	52.6	∞	10423	1520.130	ng/ml ocr
MDA	3.132	3519581	153549.2	27.6	16528.6	173391	666.485	ng/ml ocr
MDMA	3.245	5972363	965102.2	95.1	∞	68835	965.671	ng/ml
Meprobamate	4.903	832666	38270.7	28.3	11992.4	40754	937.158	ng/ml
Methadone	5.625	13483596	436627.6	53.4	65251.3	581191	1057.758	ng/ml
Methamphetamine	3.165	11888471	129.3	37.6	124.4	947936	629.649	ng/ml ocr
Metoprolol	4.284	1047407	480277.3	97.9	∞	173391	1011.206	ng/ml
Mirtazapine	4.564	16111863	384137.0	47.4	189308.4	581191	1087.759	ng/ml
Mitragynine	5.174	2317867	61554.5	35.2	24023.1	14150	832.398	ng/ml
Morphine	1.181	402933	40618.3	24.0	1999.0	4687	987.564	ng/ml
Norbuprenorphine	4.961	62845	4786.2	92.4	169692.2	14150	95.323	ng/ml
Nordiazepam	5.868	1046654	97639.8	60.0	∞	38995	976.199	ng/ml
Norfentanyl	4.043	570697	55322.5	37.6	∞	507988	117.249	ng/ml
Norhydrocodone	3.024	230403	20351.2	35.3 High	438.5	37975	1188.082	ng/ml ne
Noroxycodone	2.864	2185447	∞	47.0	∞	77995	1036.865	ng/ml
O-desmethyl-tramadol	3.332	18936695	387887.3	6.0	76693.2	1011256	1021.036	ng/ml
Oxazepam	5.721	274469	697516.5	69.4	5826.6	10423	1101.753	ng/ml
Oxycodone	2.781	8887417	∞	30.8	∞	440467	979.453	ng/ml
Oxymorphone	1.349	4269250	∞	46.5	∞	157492	942.083	ng/ml
Phentermine	3.734	2881534	11132.2	6.2	4748.6	541599	760.755	ng/ml ocr
Promethazine	5.517	13533453	4454443.4	35.3	∞	600461	1065.180	ng/ml
Pseudoephedrine	2.526	30900731	∞	23.2	∞	1364416	1057.053	ng/ml
Quetiapine	5.488	6015222	∞	62.5	4373519.4	127074	842.666	ng/ml
Sertraline	5.746	1544262	288826.3	101.0	70250.6	66277	1029.660	ng/ml ocr
Temazepam	5.799	1826056	41164.2	28.2	14553.6	82664	968.263	ng/ml
Tramadol	4.197	15366649	5483549.3	3.4	57604.0	906285	961.614	ng/ml
Trazodone	5.039	8697958	215357.2	80.3	264114.8	388774	1036.398	ng/ml
Venlafaxine	5.000	14086188	908508.8	36.2	112811.5	831641	1029.204	ng/ml
Zolpidem	4.806	19411695	4473836.0	27.7	309575.5	956401	967.056	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H3	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 5:46:40 PM		
Sample Info.			

Sample Chromatogram

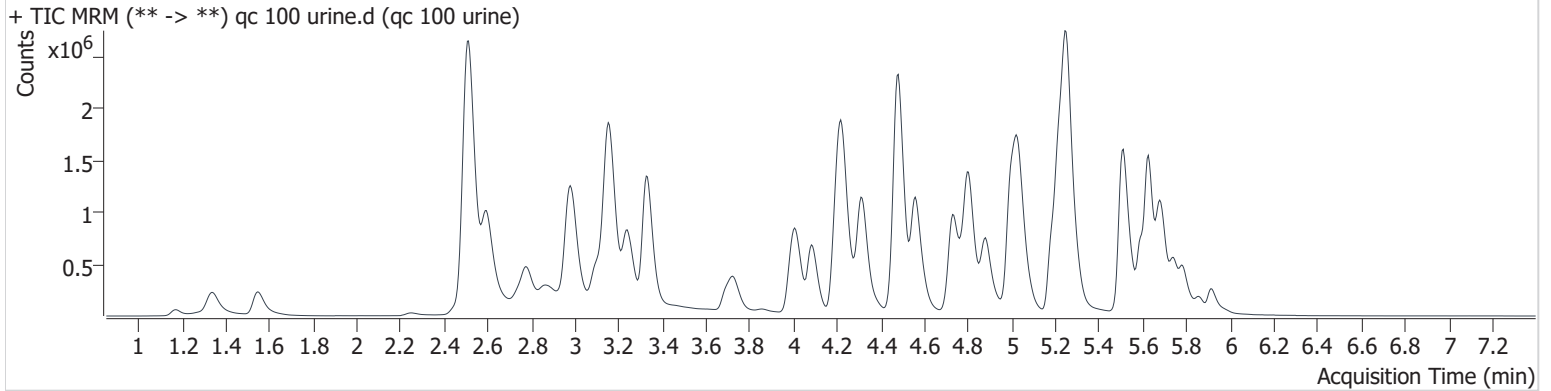


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	qc 100 urine.d
Type	Sample	Sample	qc 100 urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E2	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 5:37:38 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	27054	1120.0	135.6	11485.0	73018	10.685 ng/ml
7-aminoclonazepam	4.237	484064	6136.2	75.6	∞	173787	99.801 ng/ml
a-hydroxyalprazolam	5.666	33590	2849.6	57.7	627.8	165918	186.325 ng/ml
alpha-PHP	4.881	1307604	45453.6	39.7	21349.5	486397	103.064 ng/ml
alpha-PVP	4.317	1723911	64001.6	54.1	80457.9	750229	94.776 ng/ml
Alprazolam	5.746	332737	774.9	98.1	∞	112045	98.516 ng/ml
Amphetamine	2.985	1218293	∞	228.6	∞	486397	97.214 ng/ml
Benzoylecgonine	3.855	35500	∞	57.3	828.9	14384	99.519 ng/ml
Buprenorphine	5.660	53259	∞	16.5	32723.8	90873	9.103 ng/ml
Bupropion	4.736	1679968	47762.5	67.6	15179.8	723328	102.944 ng/ml
Carisoprodol	5.701	231501	619546.7	63.9	3216.7	119105	89.597 ng/ml
Citalopram	5.186	1129676	23685.1	38.1	25982.9	501824	101.399 ng/ml
Clonazepam	5.594	145150	183564.1	35.9	17245.3	28663	110.592 ng/ml
Clonazolam	5.535	140865	78349.0	40.0	77064.4	28663	64.563 ng/ml
Cocaine	4.221	1130577	44235.9	51.6	∞	1015752	97.482 ng/ml
Codeine	2.521	150252	13082.7	95.4	60427.5	69698	108.082 ng/ml
Cyclobenzaprine	5.596	1191479	18365.9	8.3	457063.1	411455	98.921 ng/ml
Dextromethorphan	5.224	813964	68337.3	75.7	146018.0	388649	99.368 ng/ml
Dextrorphan	4.088	1082817	40903.3	43.7	16974.9	556699	97.475 ng/ml
Diazepam	5.919	302625	6573.3	86.5	5062.1	149764	100.241 ng/ml
Dihydrocodeine	2.485	395614	946.3	62.9	1582.8	270889	106.005 ng/ml
Diphenhydramine	5.256	3477961	29284.0	32.8	20511.5	1991272	95.220 ng/ml
Doxylamine	4.480	3808905	205854.4	83.6	90764.7	1521846	100.290 ng/ml
EDDP	5.218	1781735	375149.1	41.7	102068.5	938968	98.568 ng/ml
Etizolam	5.781	267595	17745.6	25.5	211046.5	149764	103.848 ng/ml
Fentanyl	5.045	130663	75079.6	112.8	∞	696425	9.592 ng/ml
Flualprazolam	5.677	235710	1081743.2	87.2	2817.7	112045	154.018 ng/ml
Fluoxetine	5.678	1015405	57737.5	7.2	126976.2	388503	99.776 ng/ml
Hydrocodone	2.967	534692	∞	38.2	∞	328300	101.822 ng/ml
Hydromorphone	1.552	457277	∞	75.6	∞	148130	108.069 ng/ml
Ketamine	4.002	1162016	60940.7	36.6	3493.4	573194	102.987 ng/ml
Lamotrigine	4.244	91892	2762.2	87.5	5029.2	165918	189.812 ng/ml
Levetiracetam	2.600	894156	9728.8	223.1	27866.3	916989	99.800 ng/ml

AM #28 Multi-Drug Quant. Results

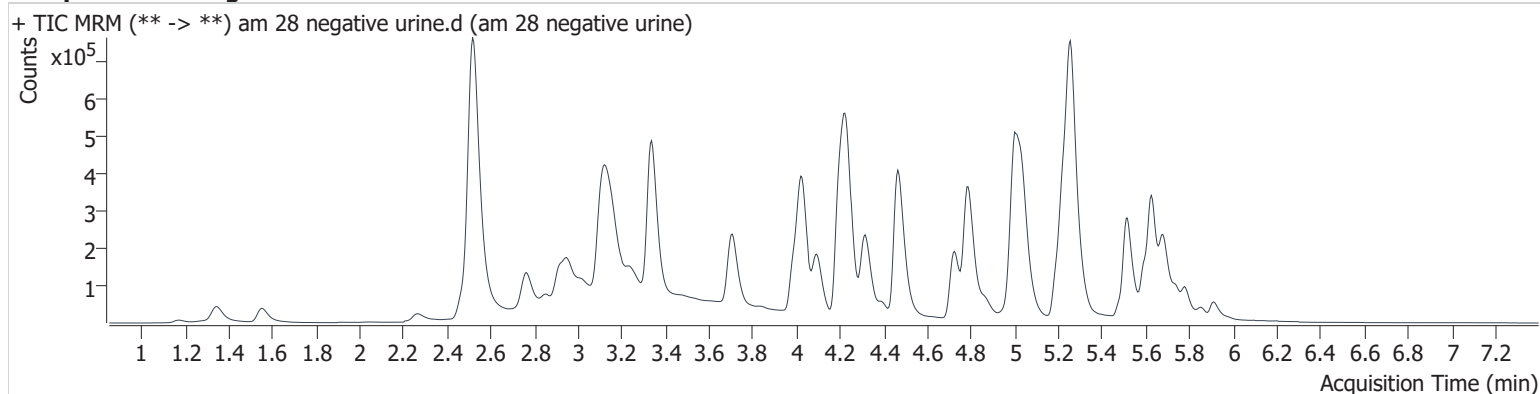
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.714	39752	∞	52.0	2785.0	32347	106.182 ng/ml
MDA	3.148	1434143	21535.3	28.6	∞	443997	105.310 ng/ml
MDMA	3.240	1118784	163144.7	94.0	18043.8	123303	101.013 ng/ml
Meprobamate	4.887	282838	26234.5	29.1	4005.9	119105	108.689 ng/ml
Methadone	5.625	1969963	50539.1	56.9	17886.5	916989	98.105 ng/ml
Methamphetamine	3.160	2223198	586.6	39.7	562.1	1069492	100.296 ng/ml
Metoprolol	4.284	256465	28145.5	98.0	20152.6	443997	97.256 ng/ml
Mirtazapine	4.558	2339827	167562.6	49.2	62325.7	916989	100.045 ng/ml
Mitragynine	5.179	485531	11555.4	33.9	98771.5	18149	134.235 ng/ml
Morphine	1.171	65419	∞	25.2	∞	7620	98.435 ng/ml
Norbuprenorphine	4.961	8889	57363.4	92.4	9736.8	18149	10.270 ng/ml
Nordiazepam	5.862	179130	59442.3	60.1	∞	60991	106.451 ng/ml
Norfentanyl	4.043	88259	1314.1	36.3	13769.9	1044616	8.876 ng/ml
Norhydrocodone	3.019	22856	1120.7	24.1	498.5	59882	76.225 ng/ml ^{ne}
Noroxycodone	2.859	485920	∞	47.5	∞	179191	100.494 ng/ml
O-desmethyl-tramadol	3.332	2549735	110637.4	6.6	15440.2	1475482	94.274 ng/ml
Oxazepam	5.721	59558	2346.8	71.8	548.9	32347	76.876 ng/ml
Oxycodone	2.776	1247576	∞	31.4	∞	588731	102.534 ng/ml
Oxymorphone	1.339	634517	∞	46.9	∞	224908	97.825 ng/ml
Phentermine	3.729	522778	2264.8	7.1	1556.8	695377	106.665 ng/ml
Promethazine	5.512	1969106	71403.6	39.1	203212.2	995215	93.909 ng/ml
Pseudoephedrine	2.514	6022701	∞	24.0	20665.1	2893132	97.319 ng/ml
Quetiapine	5.498	1024693	∞	64.5	630372.1	168532	107.453 ng/ml
Sertraline	5.741	263735	10931.1	100.8	18378.2	118436	98.361 ng/ml
Temazepam	5.788	337548	71811.7	29.7	1211.0	165918	90.577 ng/ml
Tramadol	4.207	2620544	790294.4	3.6	1118.9	1398468	105.447 ng/ml
Trazodone	5.029	1559730	2061307533 18881.0	80.2	21836.7	673039	106.695 ng/ml
Venlafaxine	5.000	2044923	36629.0	37.0	16276.4	1370542	92.008 ng/ml
Zolpidem	4.801	2776531	64432.7	28.7	249154.9	1334313	98.836 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

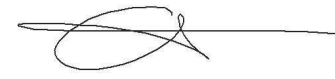
Instrument	69679	Data File	am 28 negative urine.d
Type	Sample	Sample	am 28 negative urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H10	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 7:43:58 PM		
Sample Info.			

Sample Chromatogram



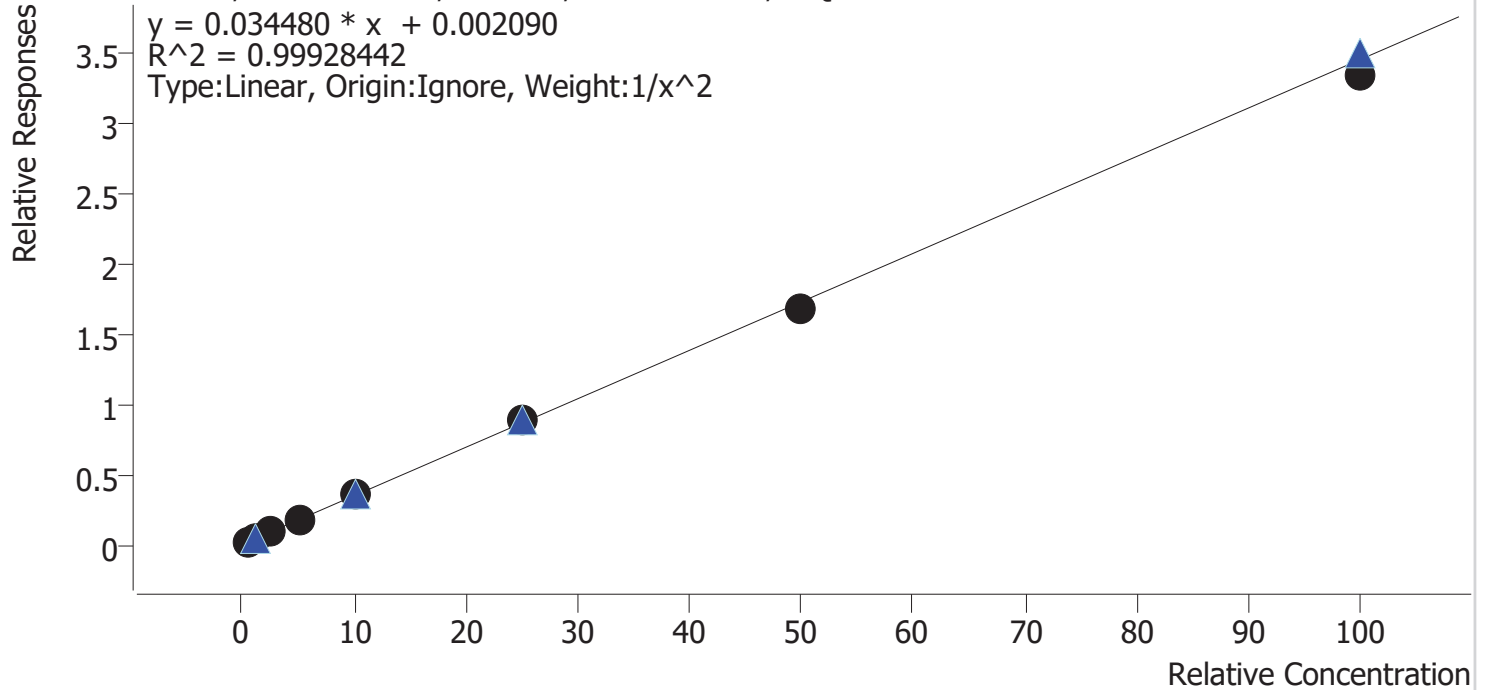
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.537 Hig h	7380	1679.6			149480	1.874 ng/ml

Compound Calibration Report



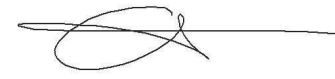
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



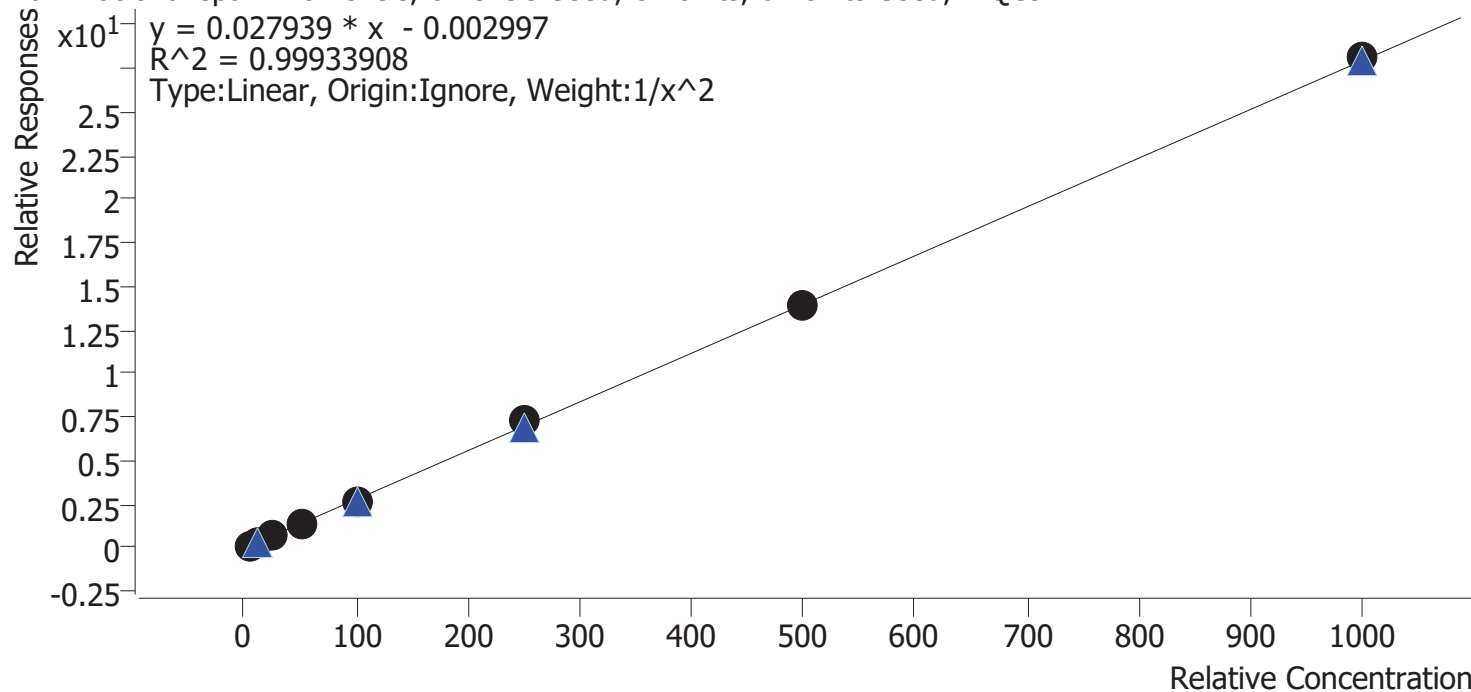
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.0
cal 2 mdq	2	✓	1.0	1.0	98.6
cal 3 mdq	3	✓	2.5	2.6	102.3
cal 4 mdq	4	✓	5.0	5.1	101.9
cal 5 mdq	5	✓	10.0	10.0	99.9
cal 6 mdq	6	✓	25.0	25.8	103.1
cal 7 mdq	7	✓	50.0	48.7	97.4
cal 8 mdq	8	✓	100.0	96.7	96.7

Compound Calibration Report



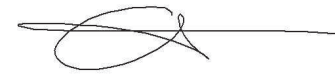
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	262.1	104.9
cal 7 mdq	7	✓	500.0	497.0	99.4
cal 8 mdq	8	✓	1000.0	1006.5	100.6

Compound Calibration Report

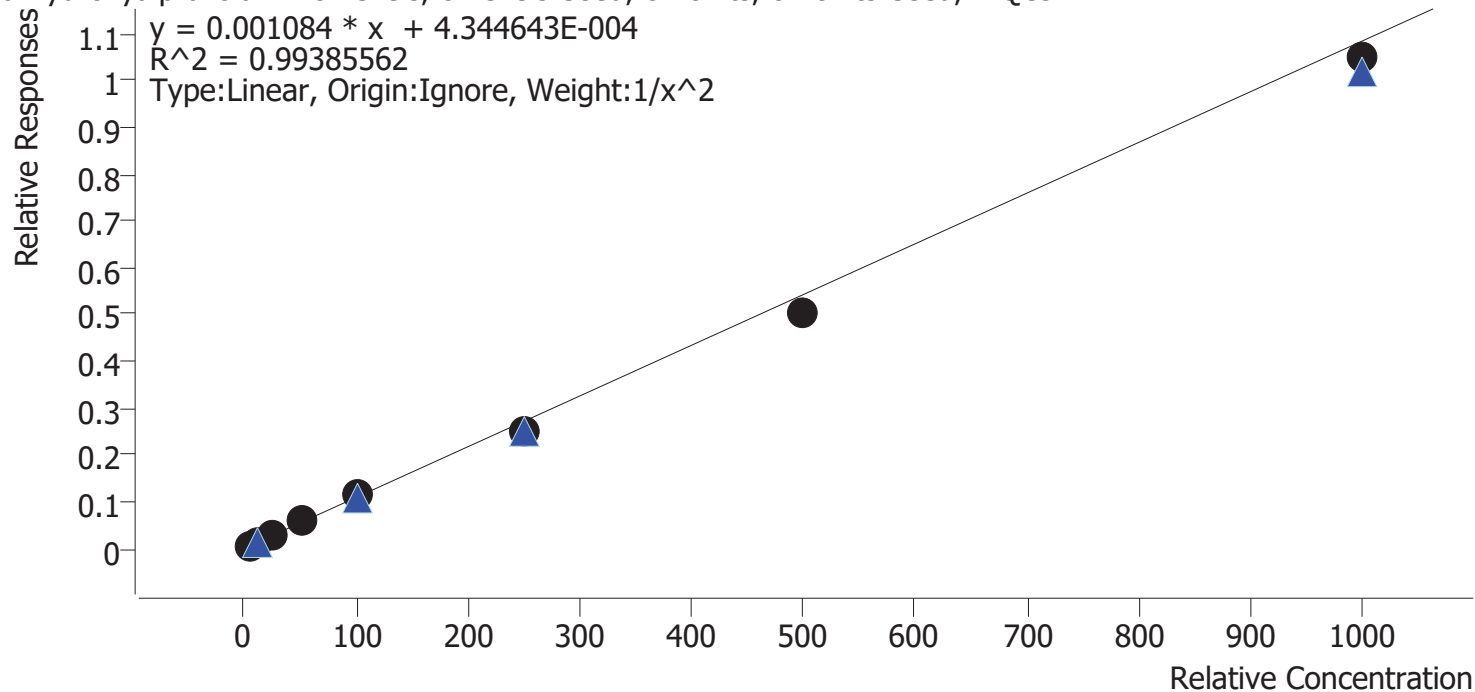


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam

Internal Standard

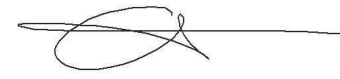
Temazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.6
cal 2 mdq	2	✓	10.0	10.9	109.3
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	54.4	108.7
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	233.0	93.2
cal 7 mdq	7	✓	500.0	465.8	93.2
cal 8 mdq	8	✓	1000.0	967.3	96.7

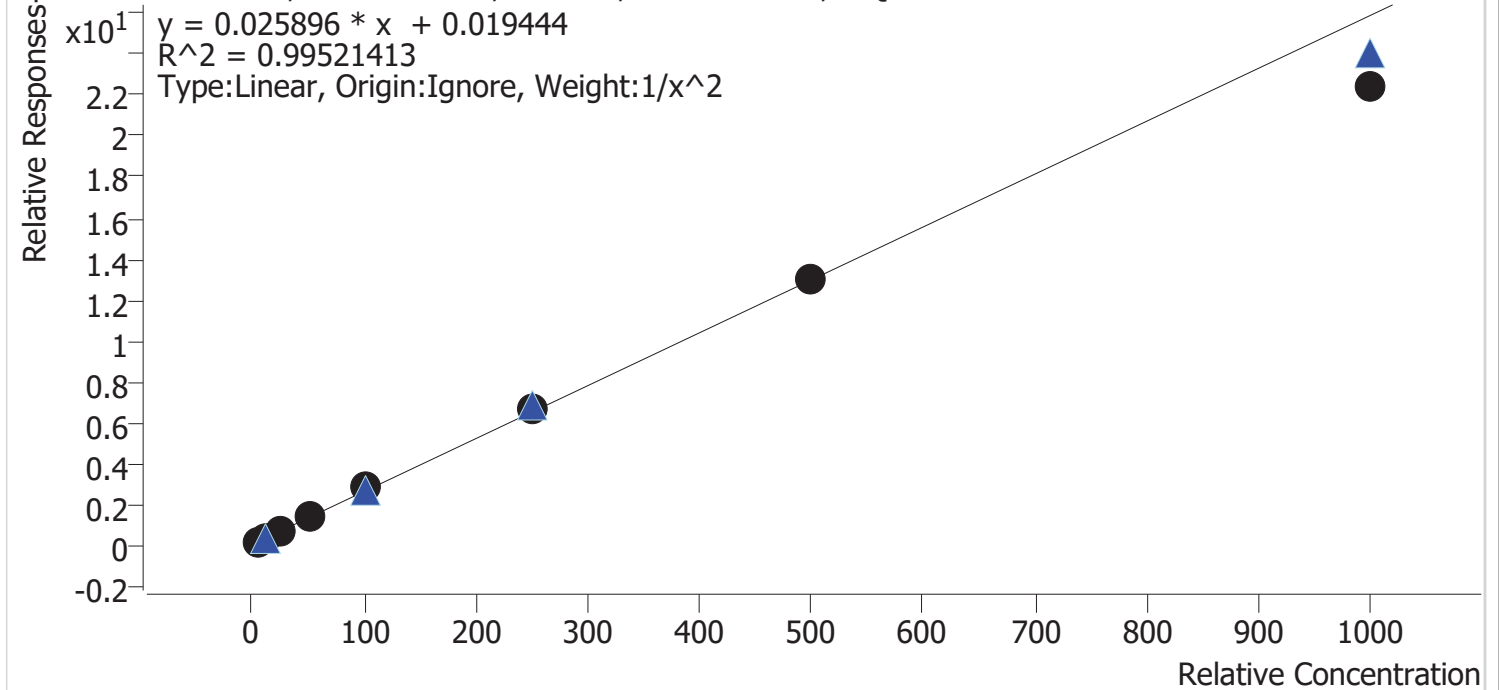
Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte alpha-PHP

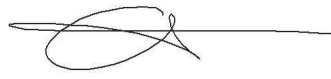
Internal Standard Amphetamine-D11

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



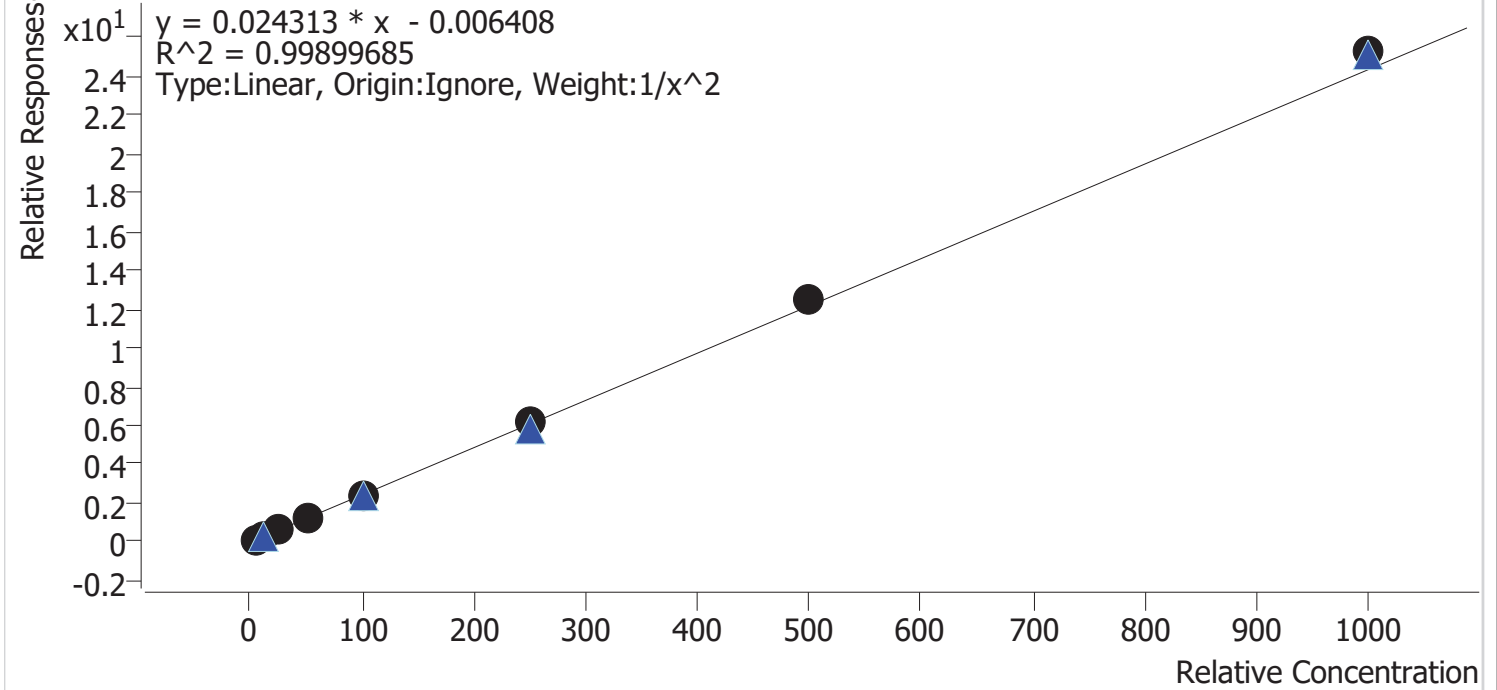
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	52.2	104.3
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	500.8	100.2
cal 8 mdq	8	✓	1000.0	867.5	86.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\lam 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

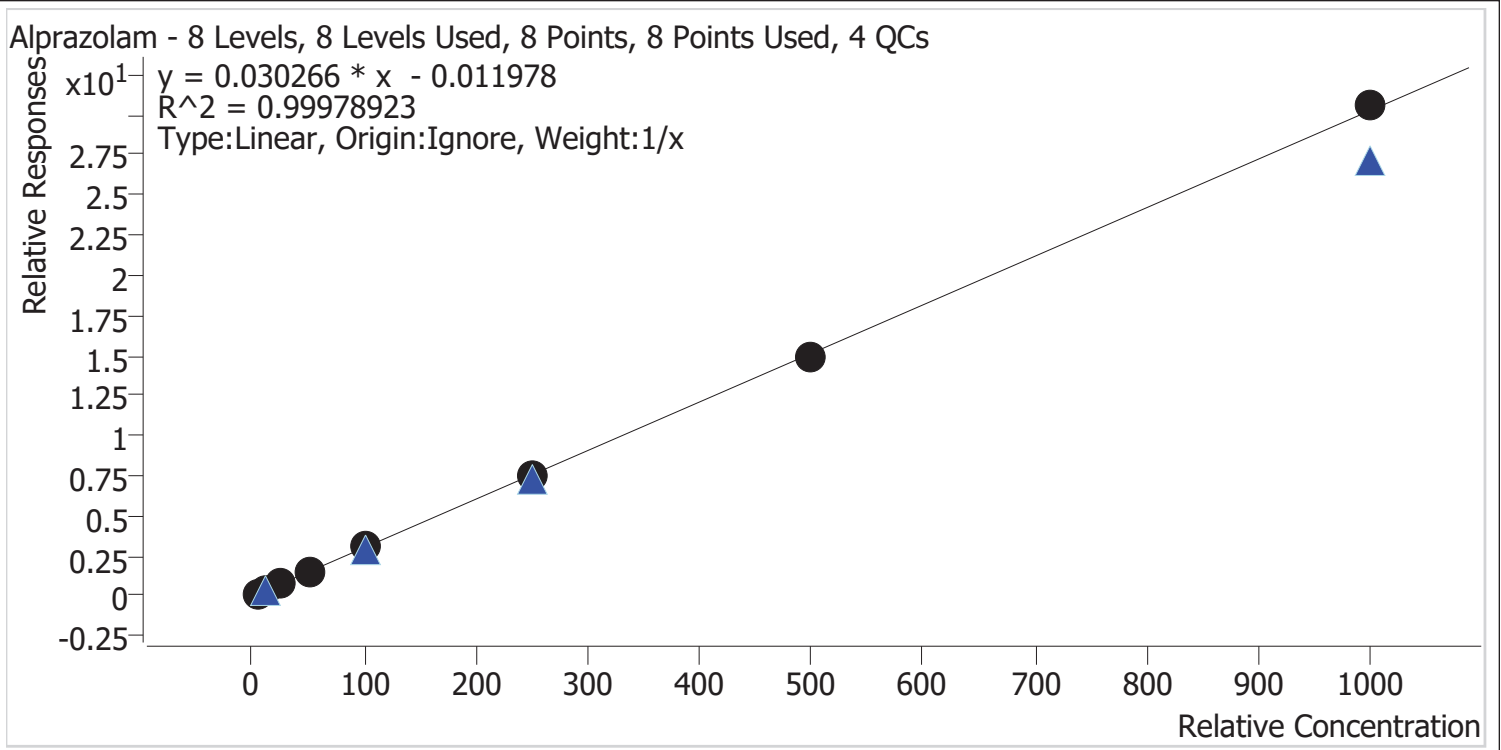
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	512.7	102.5
cal 8 mdq	8	✓	1000.0	1038.2	103.8

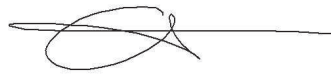
Compound Calibration Report

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



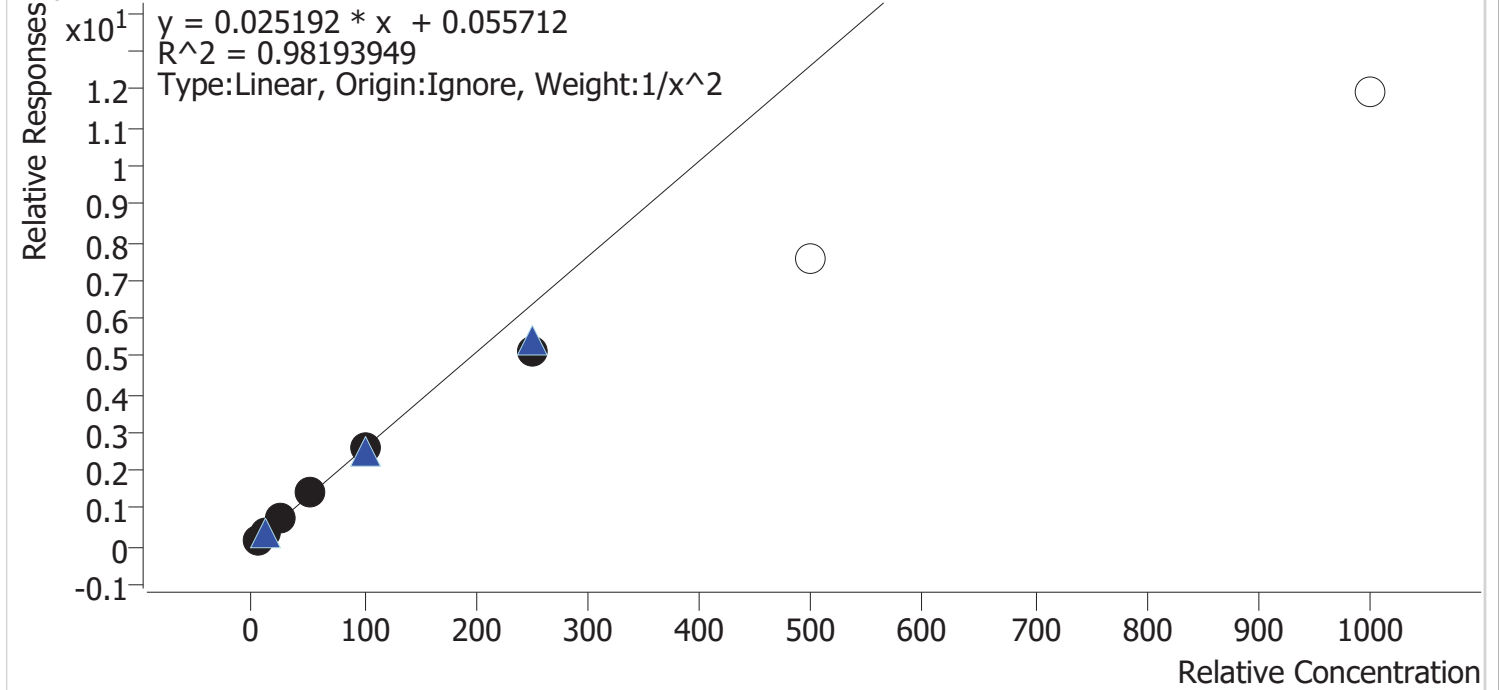
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	490.8	98.2
cal 8 mdq	8	✓	1000.0	1010.3	101.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

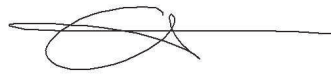
Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.5
cal 2 mdq	2	✓	10.0	10.7	106.8
cal 3 mdq	3	✓	25.0	26.8	107.2
cal 4 mdq	4	✓	50.0	55.4	110.8
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	202.2	80.9
cal 7 mdq	7	×	500.0	299.6	59.9
cal 8 mdq	8	×	1000.0	471.7	47.2

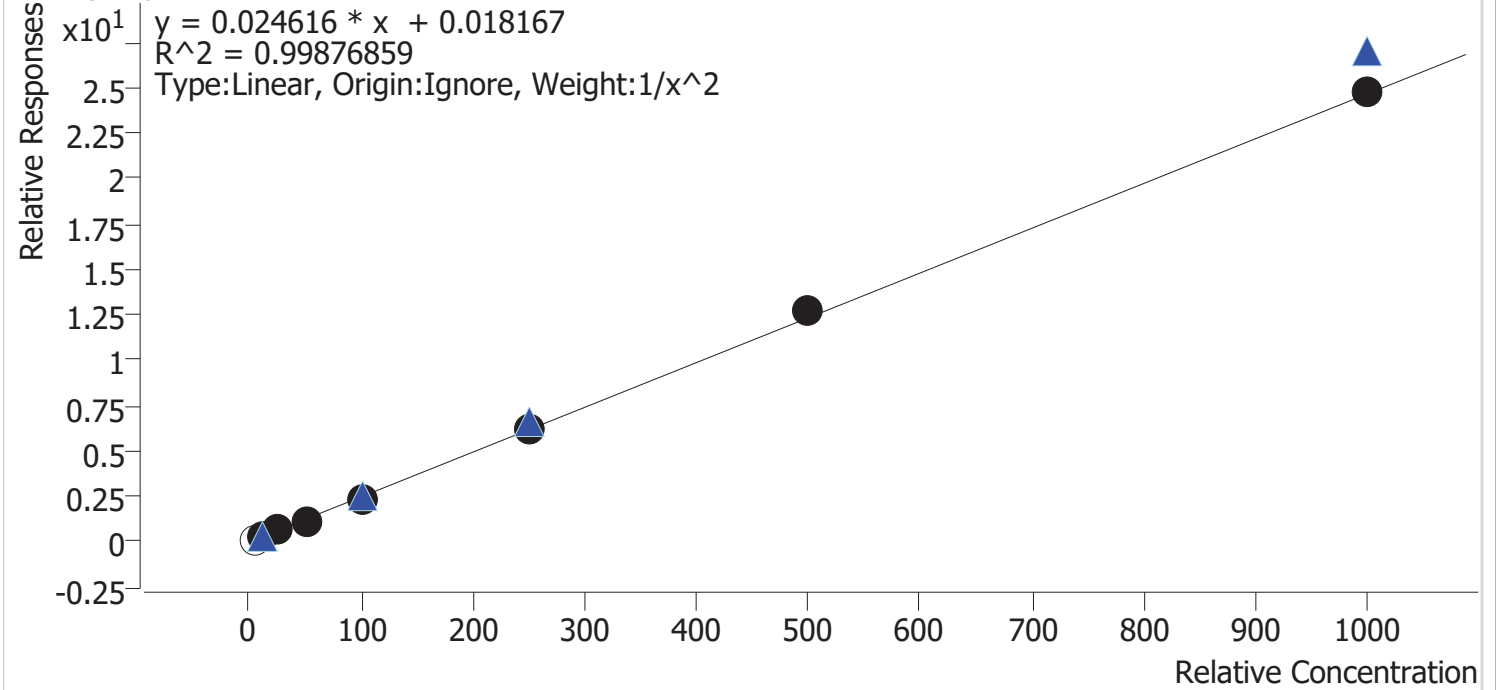
dropped cal 7 and 8 due to accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

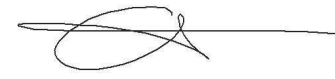
Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	5.0	4.2	84.6
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	47.6	95.3
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	255.1	102.1
cal 7 mdq	7	✓	500.0	515.2	103.0
cal 8 mdq	8	✓	1000.0	1006.3	100.6

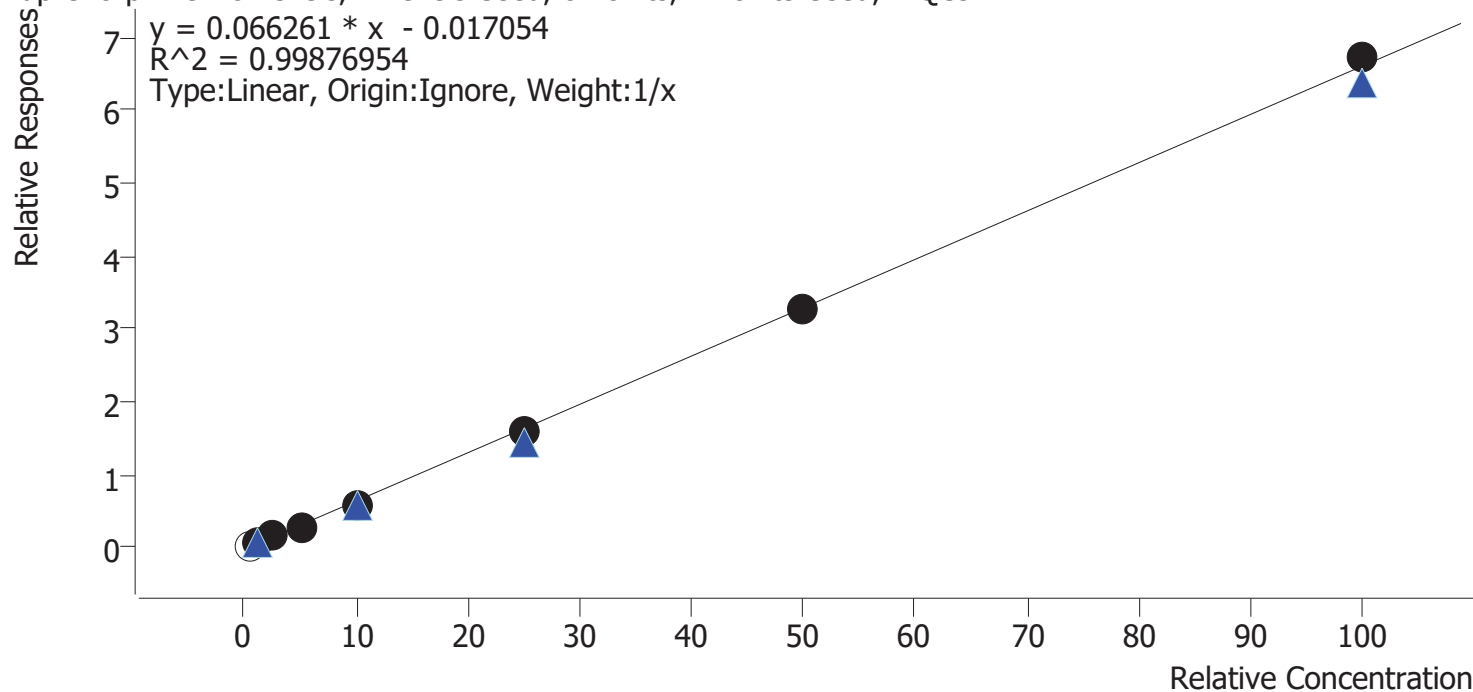
cal 1 dropped due to ratio being out of range.

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

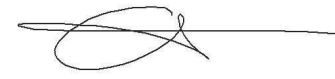
Buprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	0.5	0.7	149.4
cal 2 mdq	2	✓	1.0	1.1	111.6
cal 3 mdq	3	✓	2.5	2.6	104.2
cal 4 mdq	4	✓	5.0	4.8	96.5
cal 5 mdq	5	✓	10.0	8.8	88.2
cal 6 mdq	6	✓	25.0	24.5	98.0
cal 7 mdq	7	✓	50.0	49.9	99.7
cal 8 mdq	8	✓	100.0	101.8	101.8

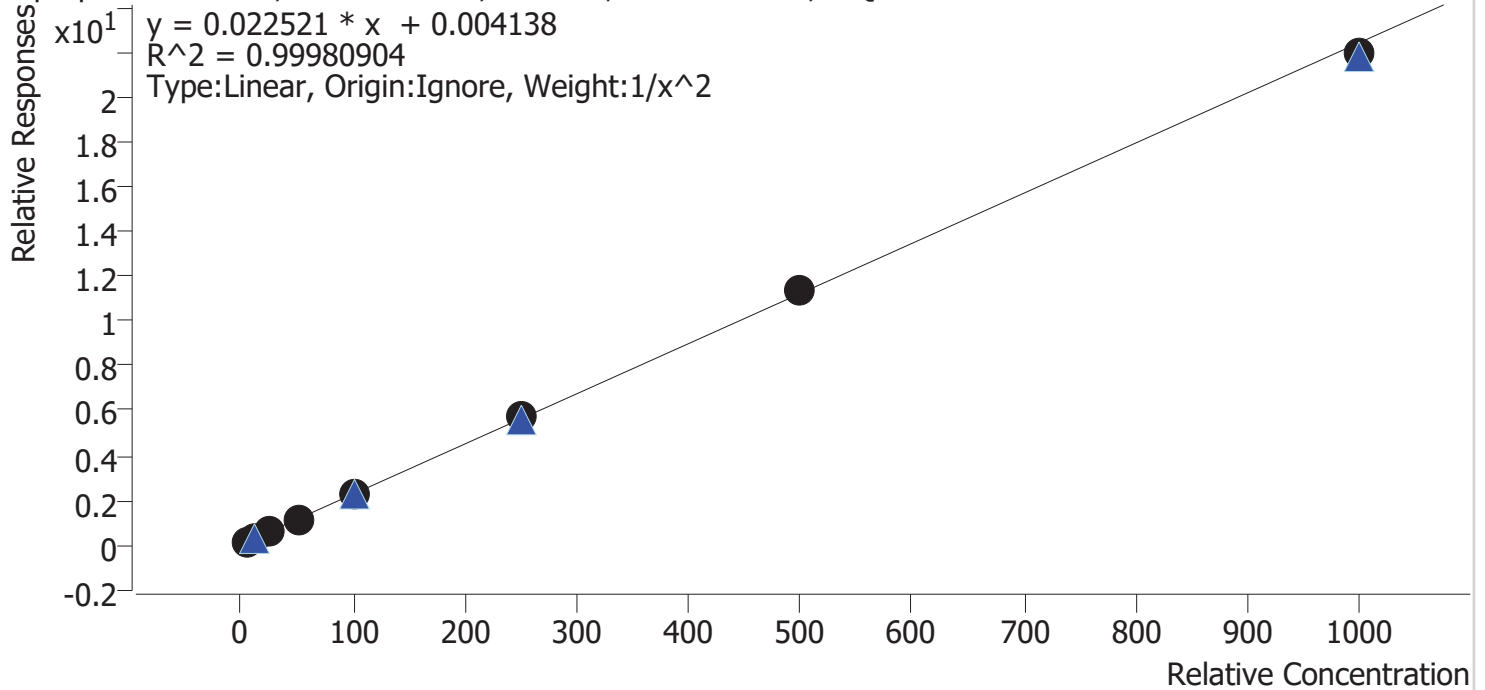
dropped cal 1 due to ratio being out of range

Compound Calibration Report



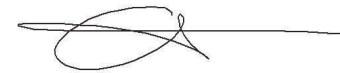
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.2	100.3
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	506.7	101.3
cal 8 mdq	8	✓	1000.0	978.4	97.8

Compound Calibration Report

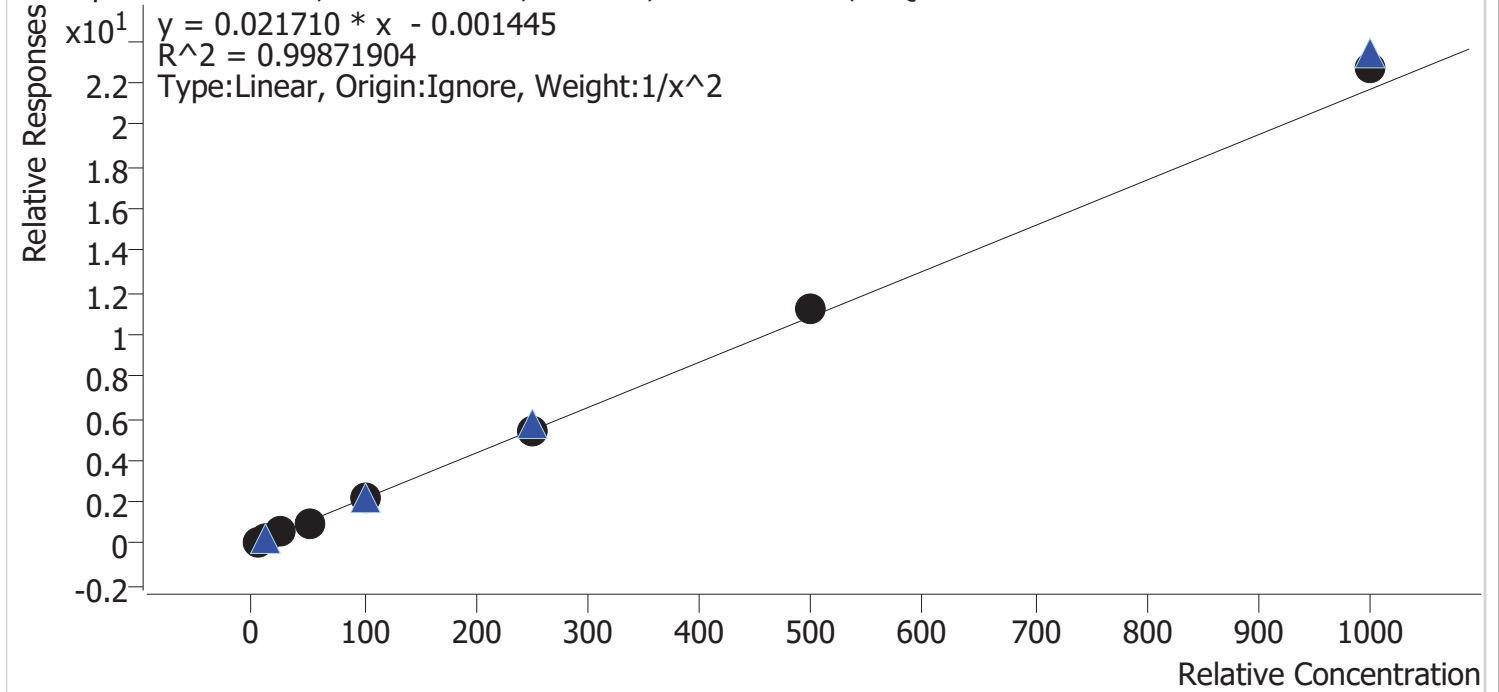


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Carisoprodol

Internal Standard

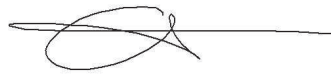
Carisoprodol-D7

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



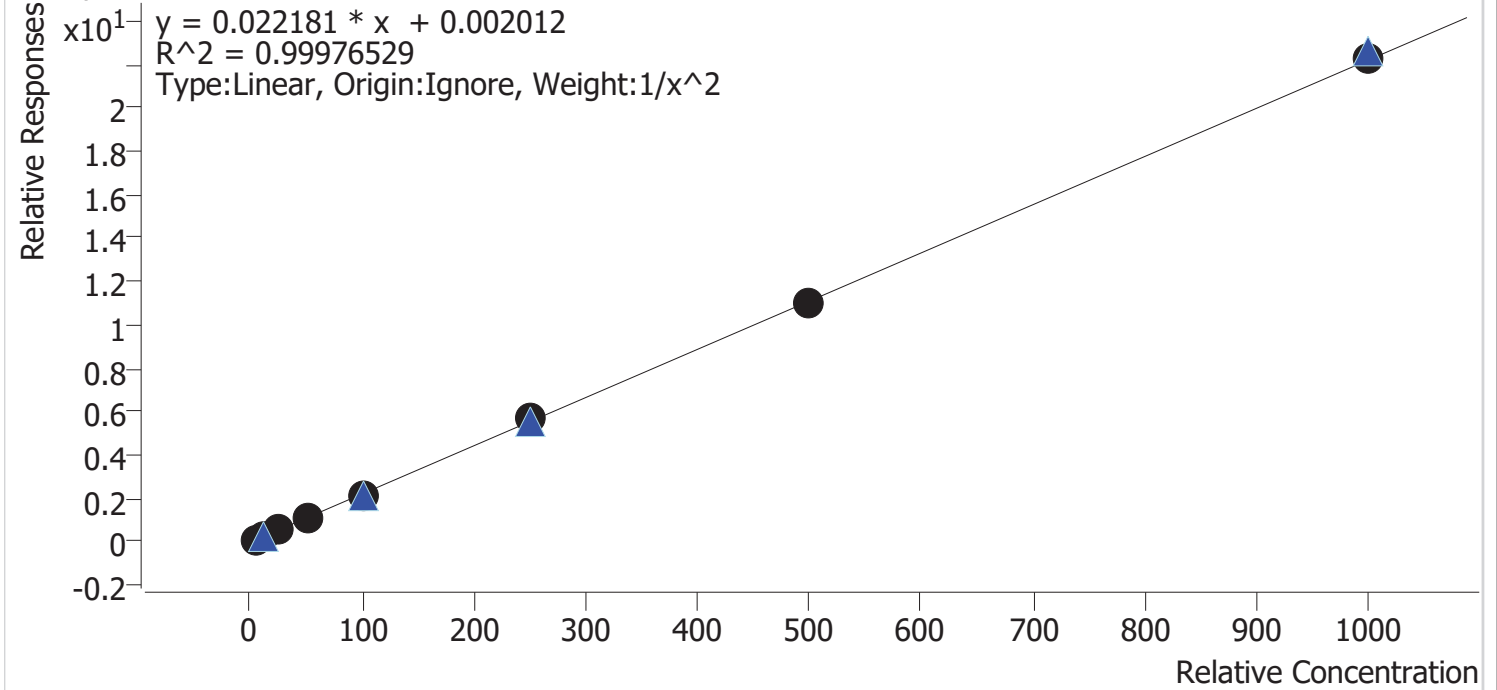
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.1	96.6
cal 4 mdq	4	✓	50.0	48.3	96.7
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	516.6	103.3
cal 8 mdq	8	✓	1000.0	1047.0	104.7

Compound Calibration Report



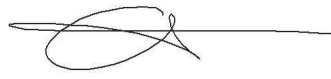
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	1005.6	100.6

Compound Calibration Report

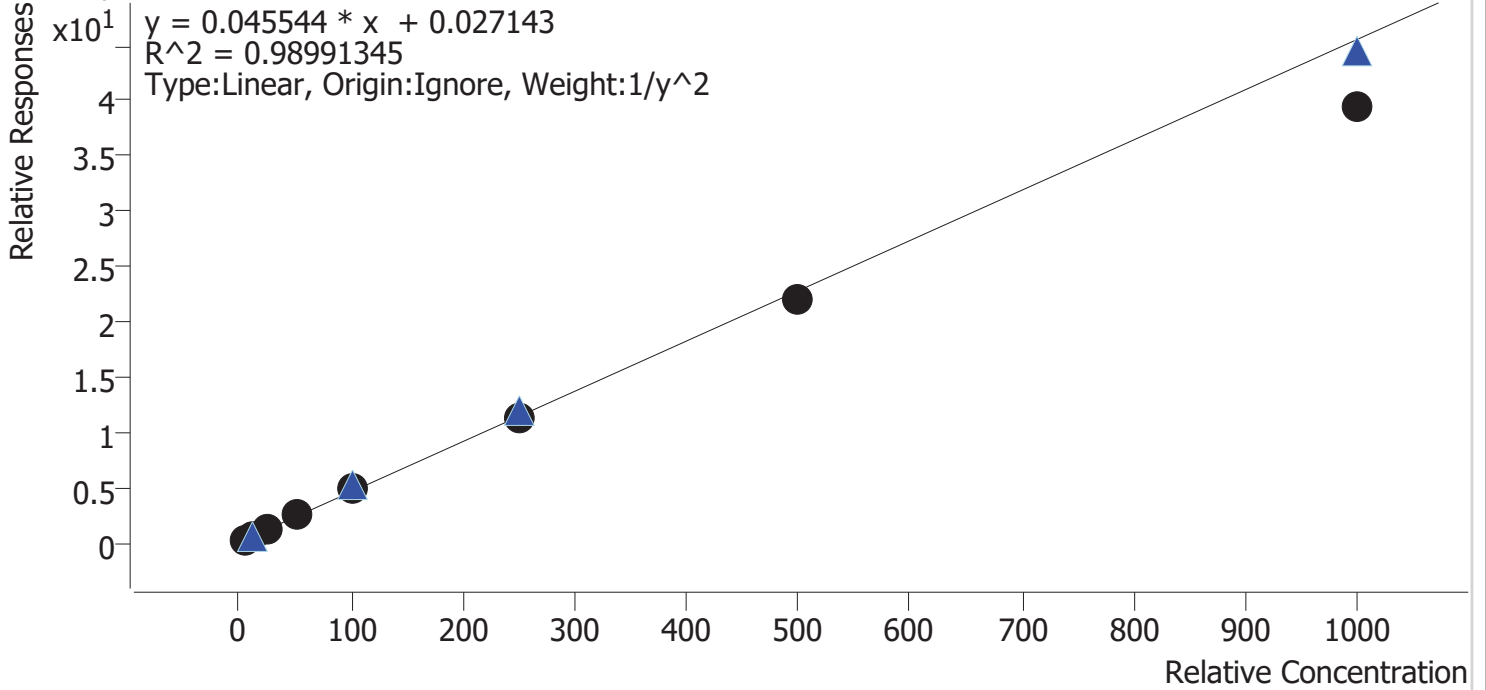


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Clonazepam

Internal Standard

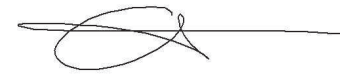
Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.8	107.5
cal 3 mdq	3	✓	25.0	27.9	111.4
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	108.6	108.6
cal 6 mdq	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	485.9	97.2
cal 8 mdq	8	✓	1000.0	863.2	86.3

Compound Calibration Report

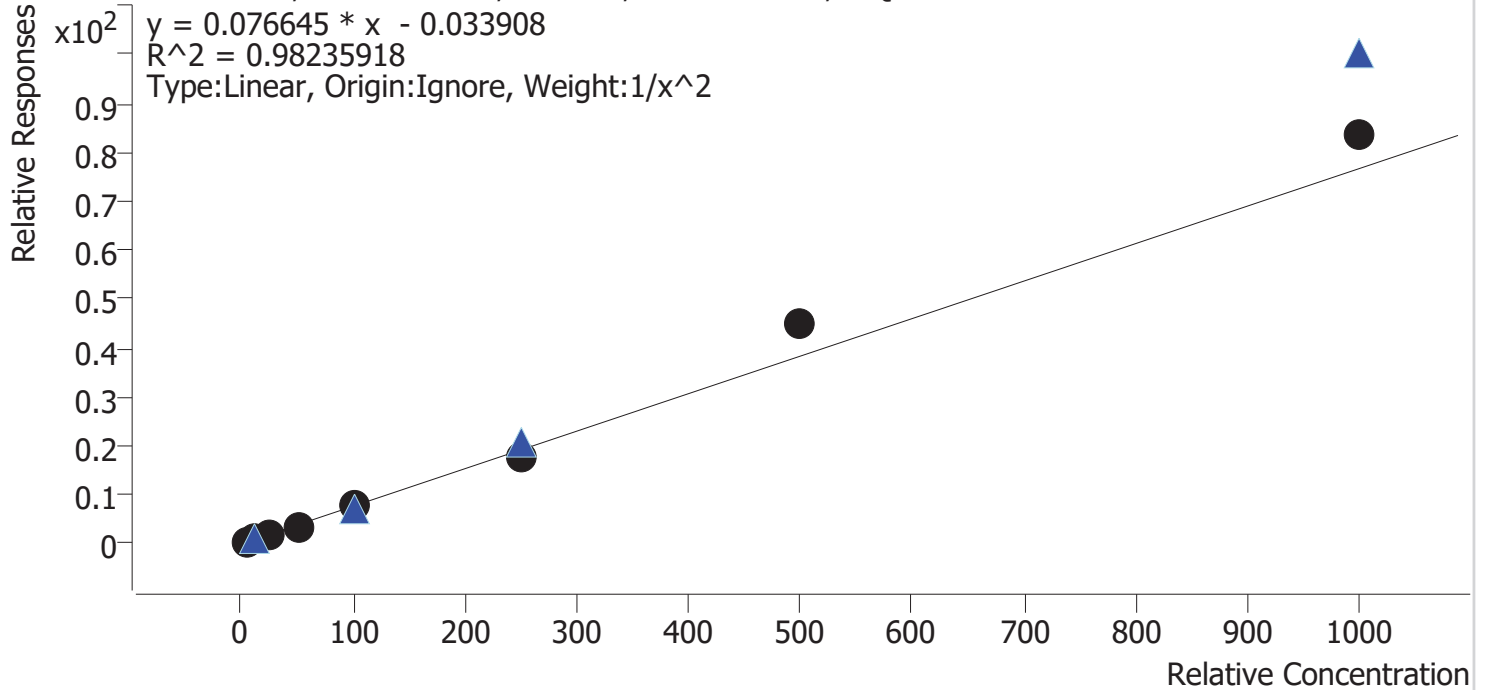


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Clonazolam

Internal Standard

Clonazepam-D4

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

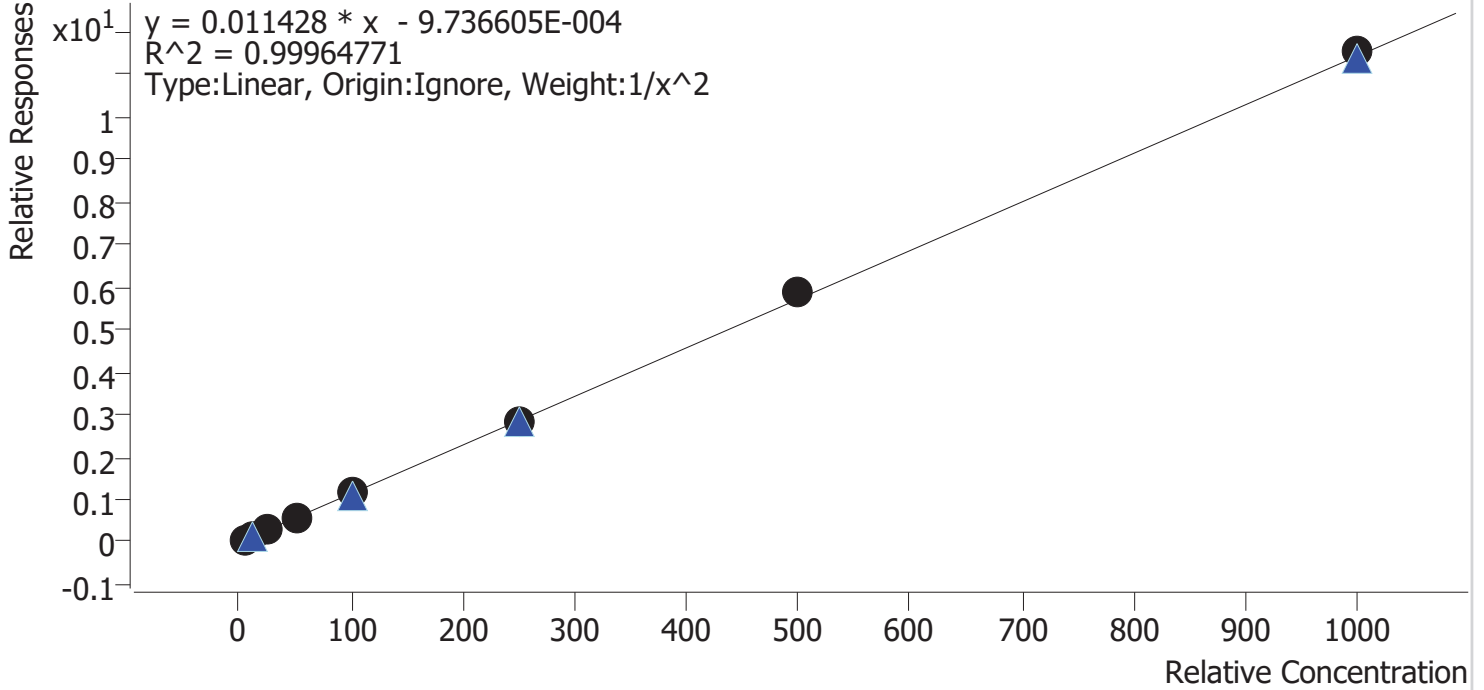


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	20.1	80.4
cal 4 mdq	4	✓	50.0	46.3	92.6
cal 5 mdq	5	✓	100.0	105.1	105.1
cal 6 mdq	6	✓	250.0	230.6	92.2
cal 7 mdq	7	✓	500.0	588.4	117.7
cal 8 mdq	8	✓	1000.0	1087.1	108.7

Compound Calibration Report

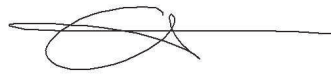
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



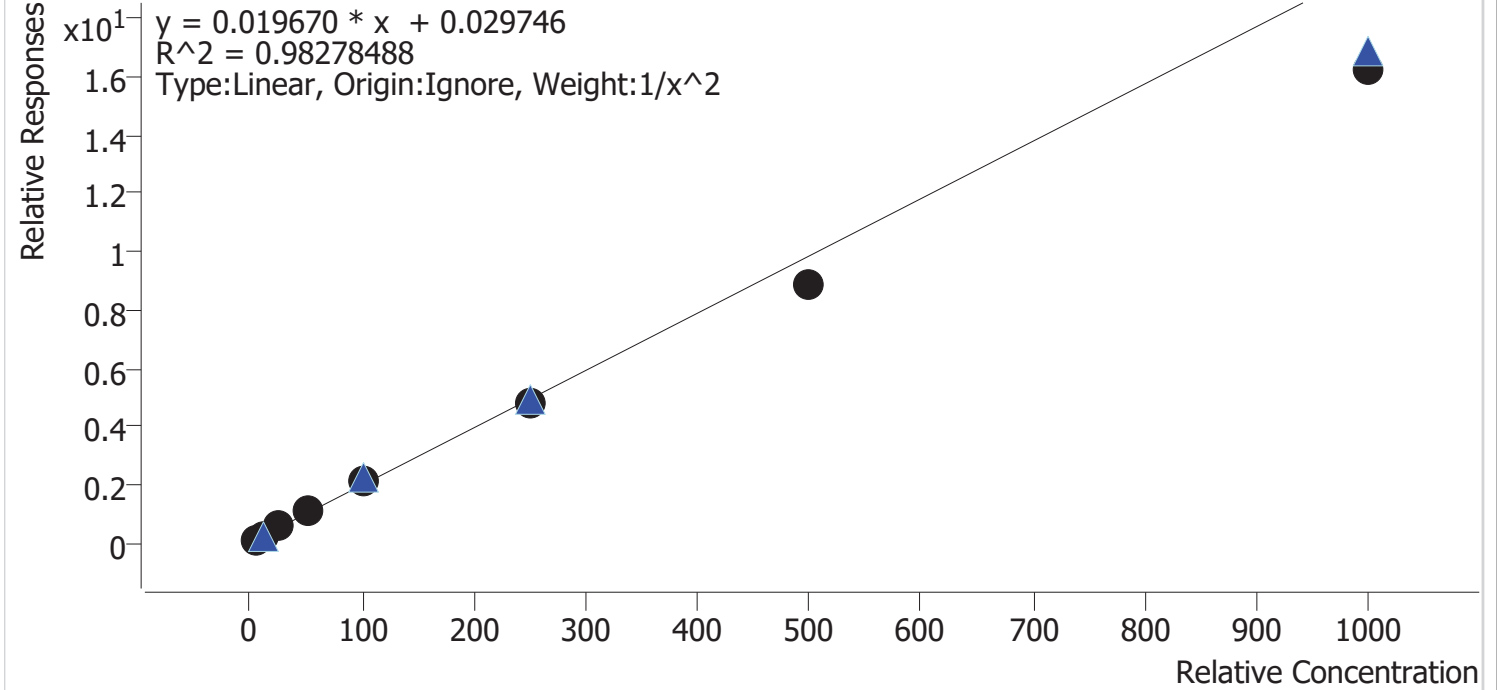
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.7	98.6
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	514.0	102.8
cal 8 mdq	8	✓	1000.0	1009.5	101.0

Compound Calibration Report



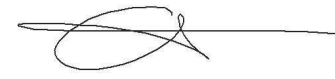
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



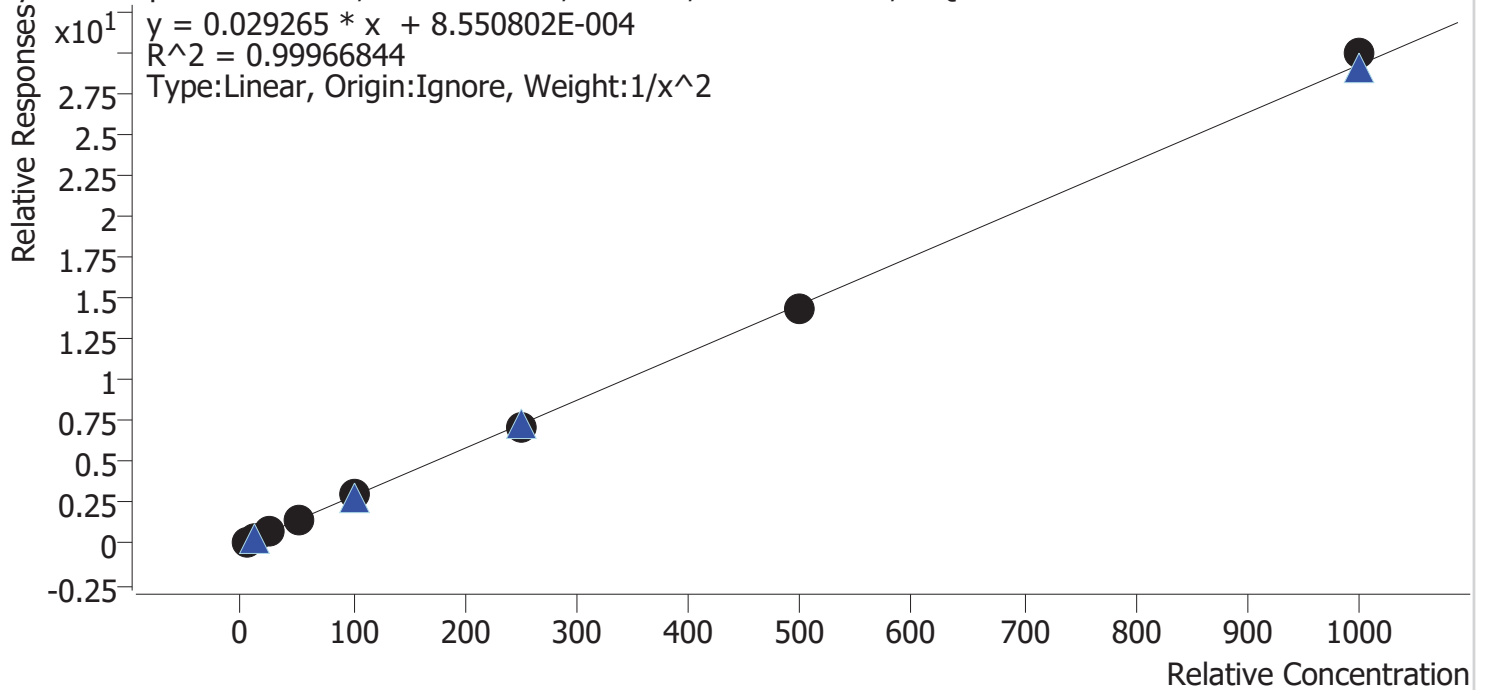
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.6
cal 2 mdq	2	✓	10.0	11.1	110.8
cal 3 mdq	3	✓	25.0	26.9	107.5
cal 4 mdq	4	✓	50.0	56.7	113.5
cal 5 mdq	5	✓	100.0	108.0	108.0
cal 6 mdq	6	✓	250.0	242.1	96.8
cal 7 mdq	7	✓	500.0	447.1	89.4
cal 8 mdq	8	✓	1000.0	823.3	82.3

Compound Calibration Report



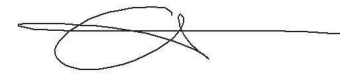
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



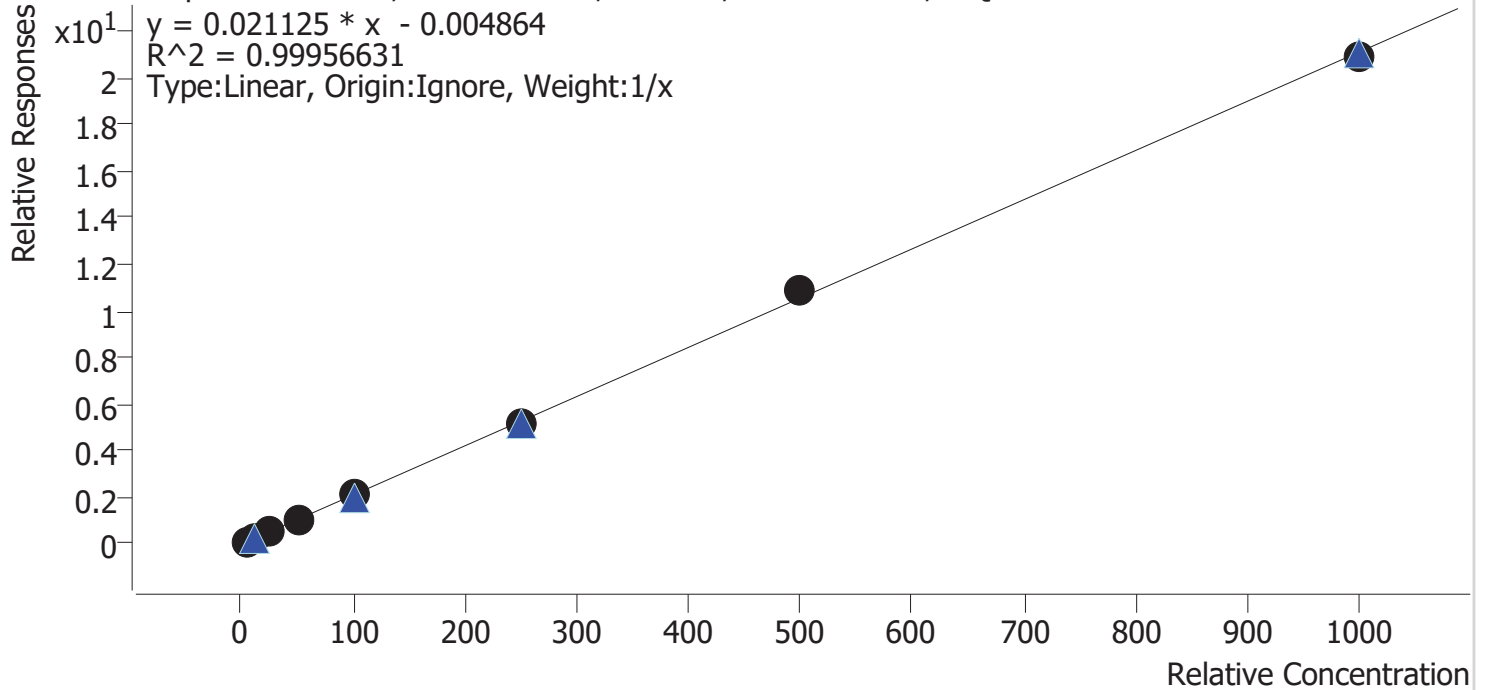
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	1023.5	102.3

Compound Calibration Report



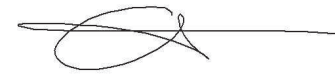
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



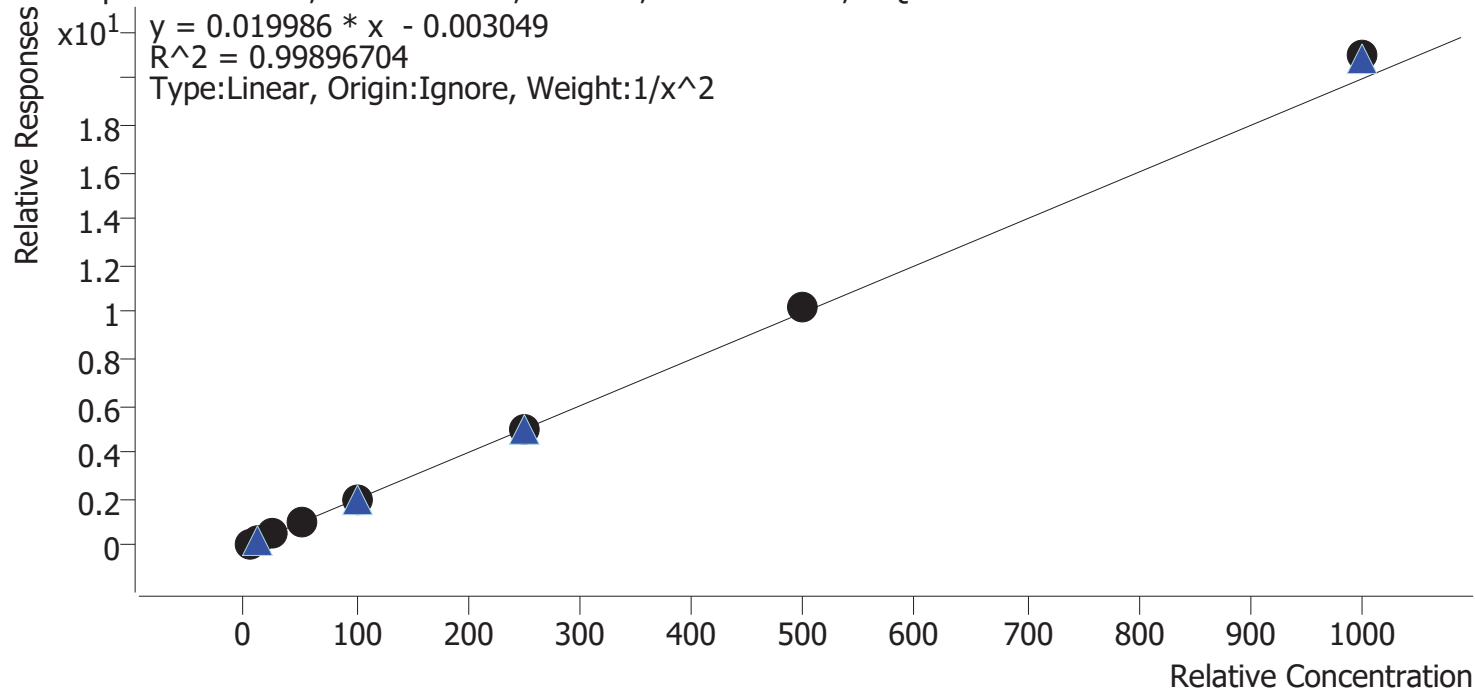
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	516.7	103.3
cal 8 mdq	8	✓	1000.0	987.0	98.7

Compound Calibration Report



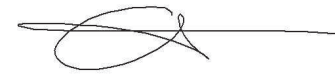
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



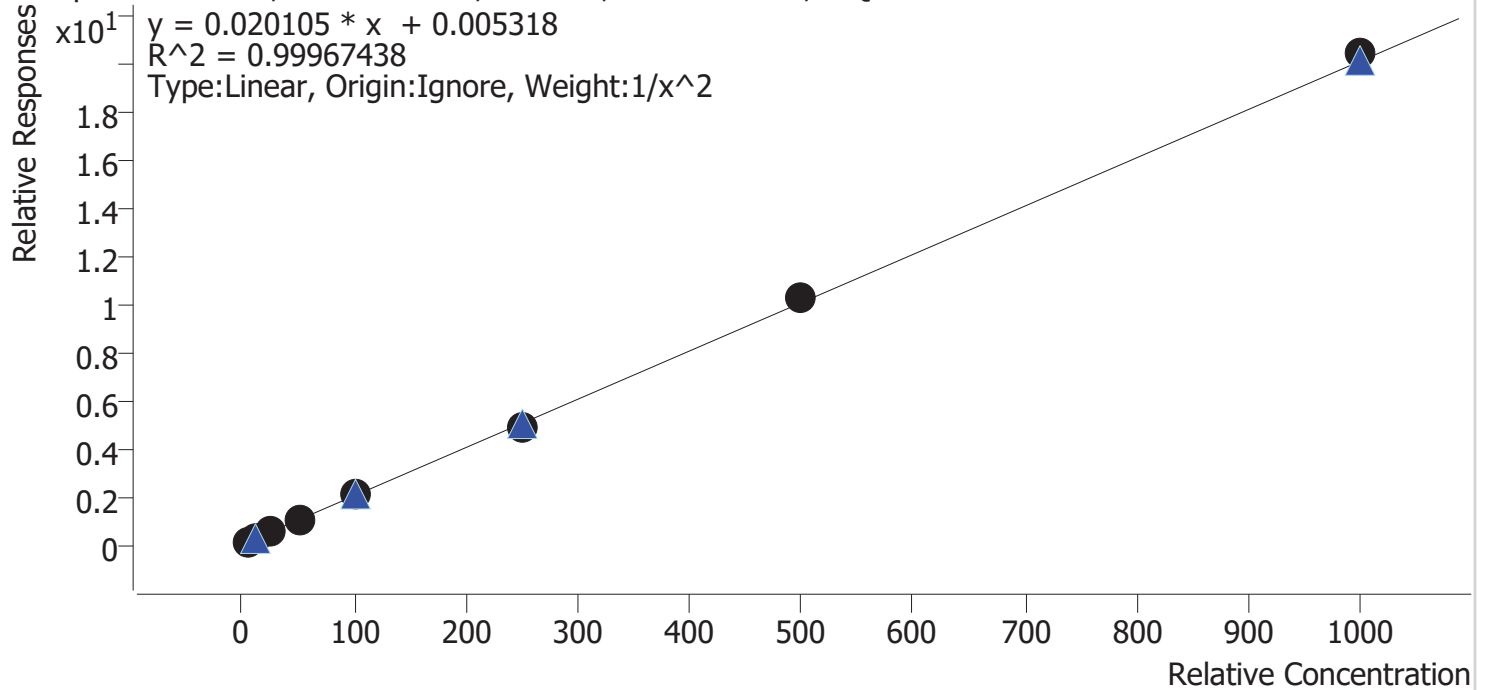
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	512.5	102.5
cal 8 mdq	8	✓	1000.0	1049.6	105.0

Compound Calibration Report



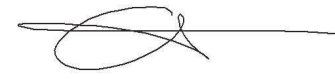
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



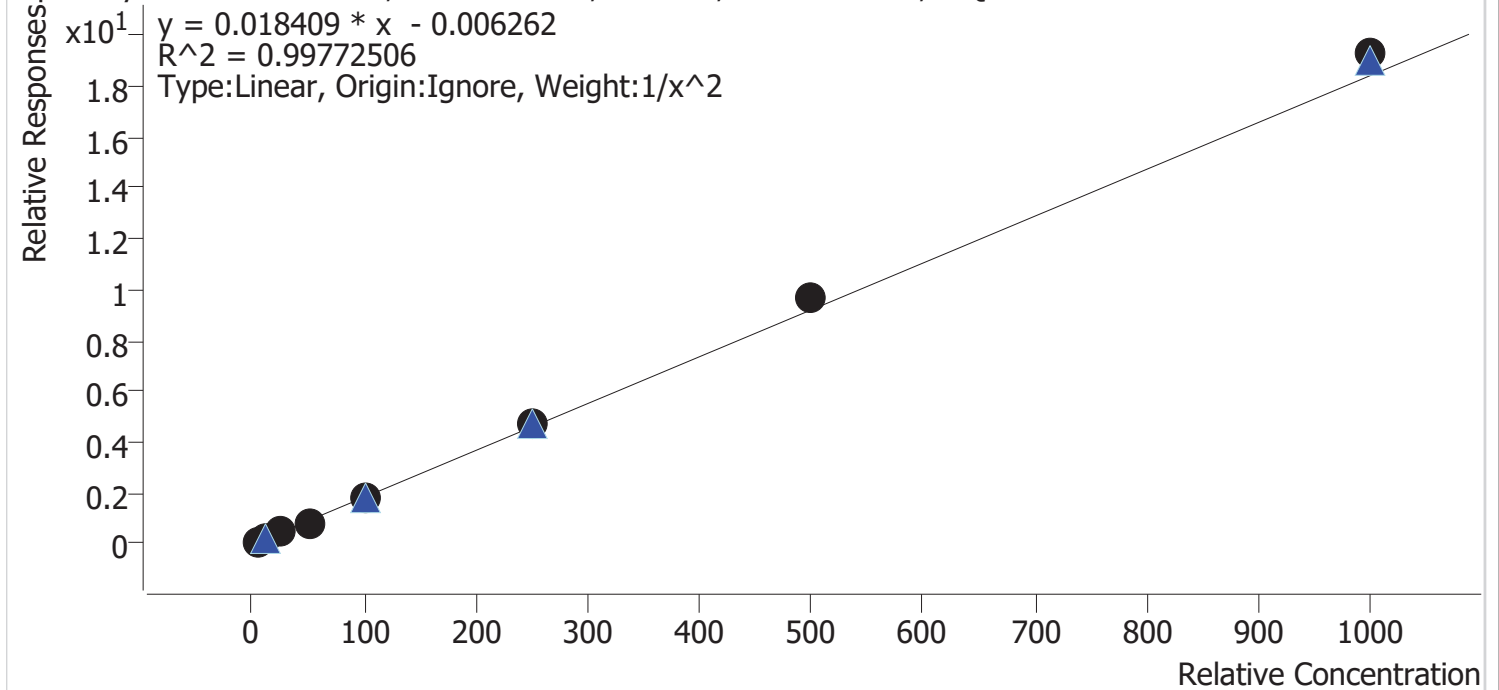
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	242.6	97.0
cal 7 mdq	7	✓	500.0	511.5	102.3
cal 8 mdq	8	✓	1000.0	1015.8	101.6

Compound Calibration Report



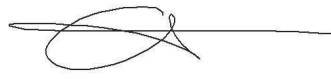
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



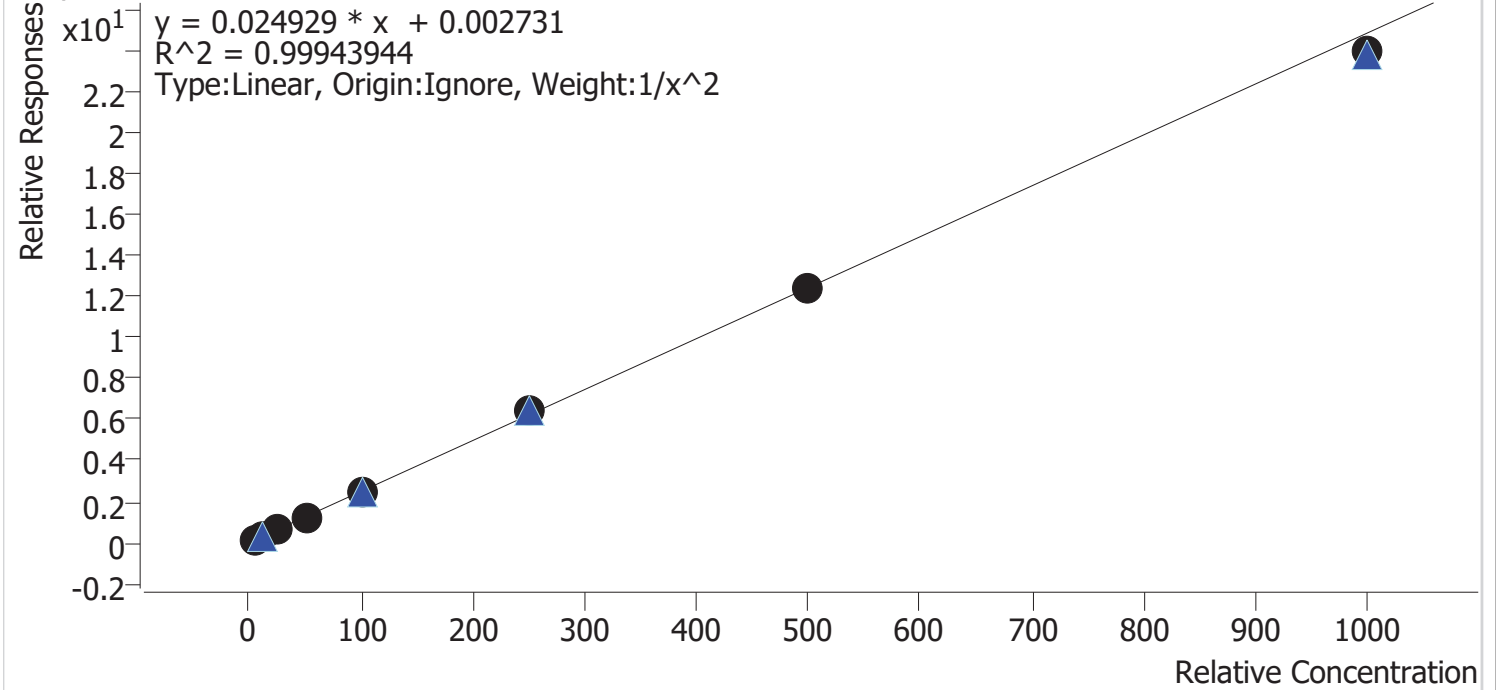
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.1	96.6
cal 4 mdq	4	✓	50.0	47.2	94.4
cal 5 mdq	5	✓	100.0	95.9	95.9
cal 6 mdq	6	✓	250.0	255.5	102.2
cal 7 mdq	7	✓	500.0	526.9	105.4
cal 8 mdq	8	✓	1000.0	1047.1	104.7

Compound Calibration Report



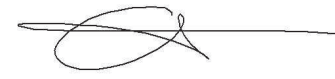
Batch results D:\MassHunter\Data\2022\lam 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



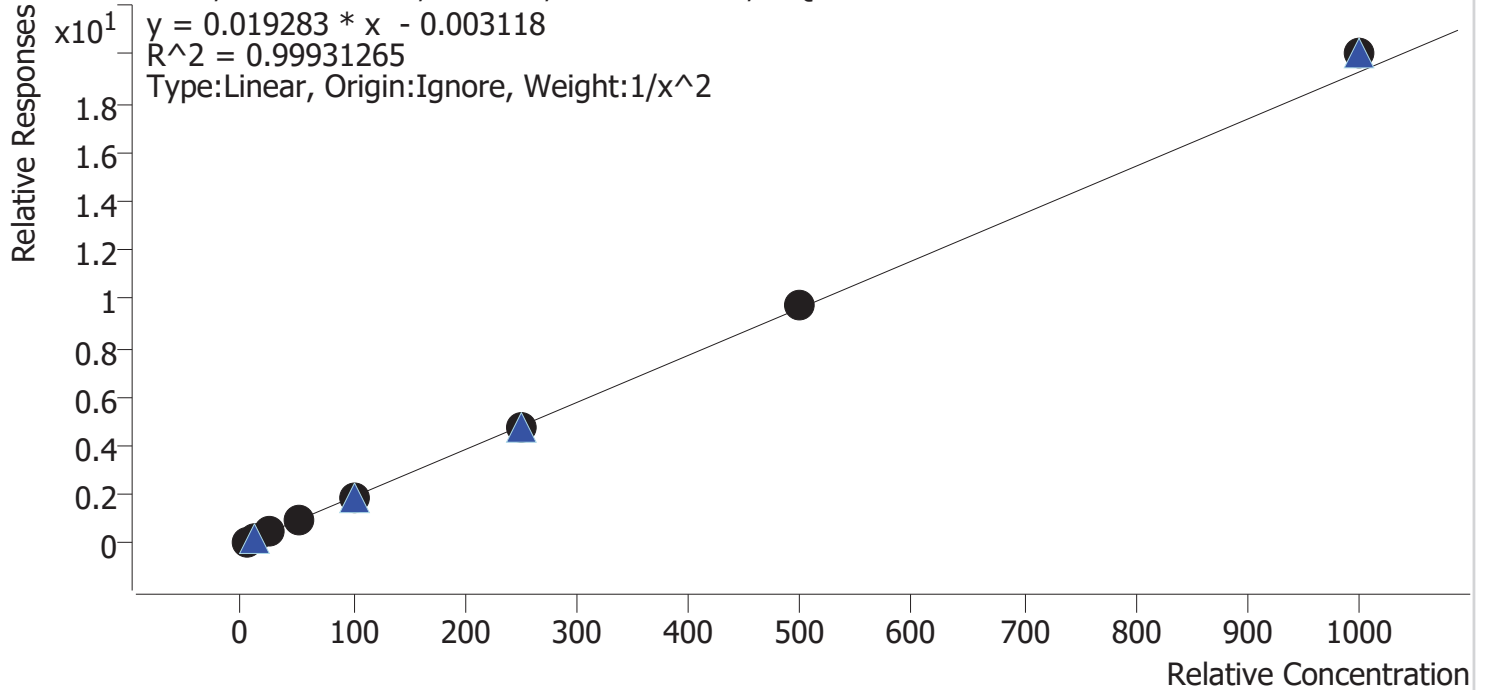
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	50.2	100.3
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	260.0	104.0
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	963.7	96.4

Compound Calibration Report



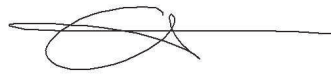
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



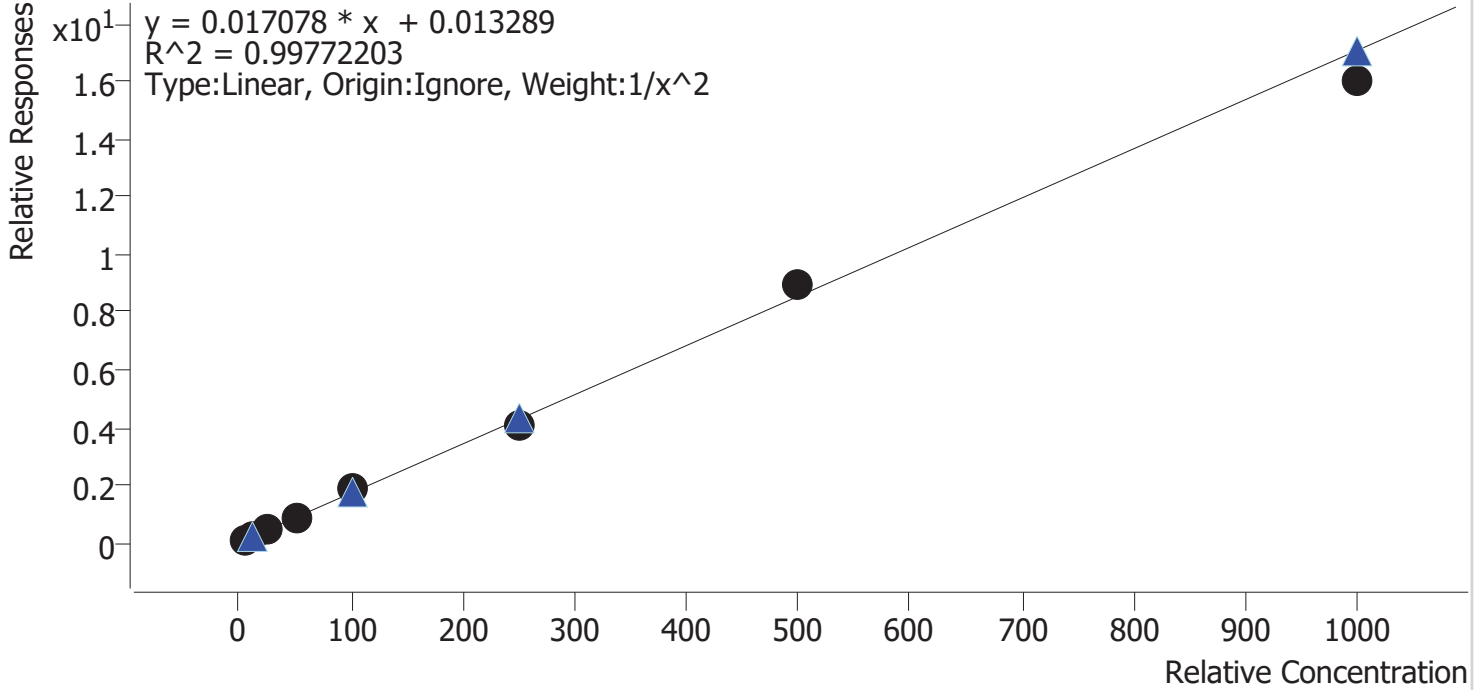
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	24.4	97.4
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	510.1	102.0
cal 8 mdq	8	✓	1000.0	1037.4	103.7

Compound Calibration Report



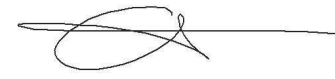
Batch results D:\MassHunter\Data\2022\lam 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Diazepam-D5

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



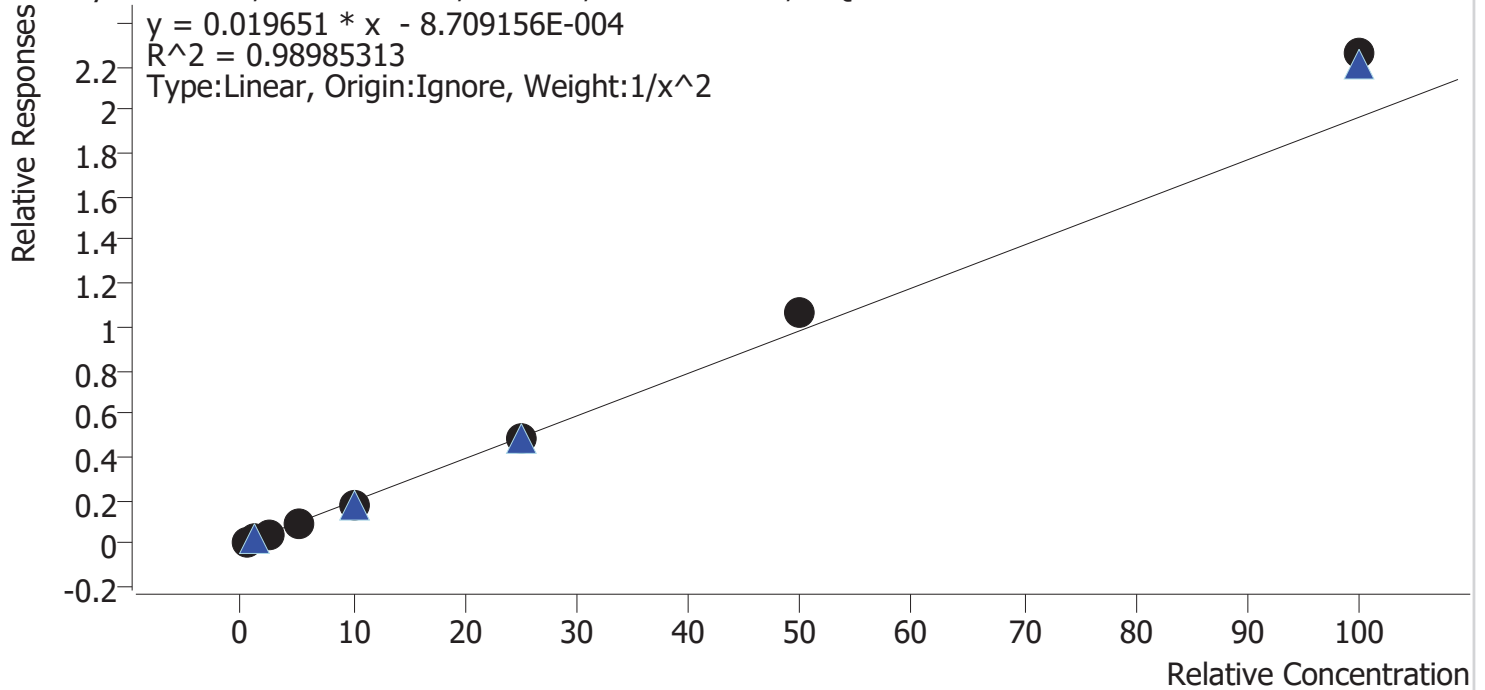
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.5	101.1
cal 5 mdq	5	✓	100.0	106.4	106.4
cal 6 mdq	6	✓	250.0	239.1	95.6
cal 7 mdq	7	✓	500.0	521.6	104.3
cal 8 mdq	8	✓	1000.0	938.4	93.8

Compound Calibration Report



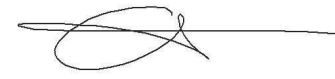
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



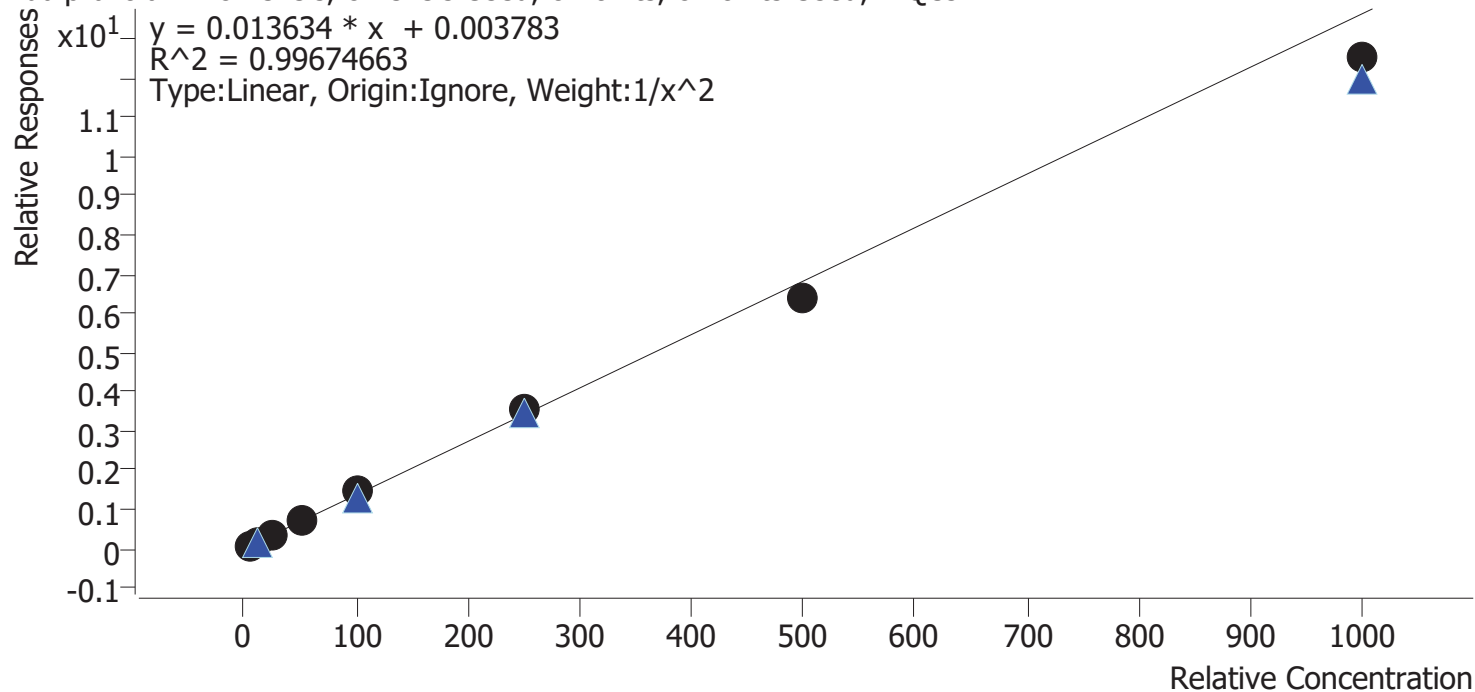
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.1
cal 2 mdq	2	✓	1.0	0.9	94.9
cal 3 mdq	3	✓	2.5	2.3	93.2
cal 4 mdq	4	✓	5.0	4.5	89.9
cal 5 mdq	5	✓	10.0	9.4	93.5
cal 6 mdq	6	✓	25.0	24.9	99.7
cal 7 mdq	7	✓	50.0	54.4	108.8
cal 8 mdq	8	✓	100.0	114.9	114.9

Compound Calibration Report



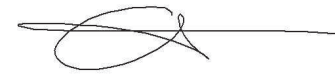
Batch results D:\MassHunter\Data\2022\lam 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

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



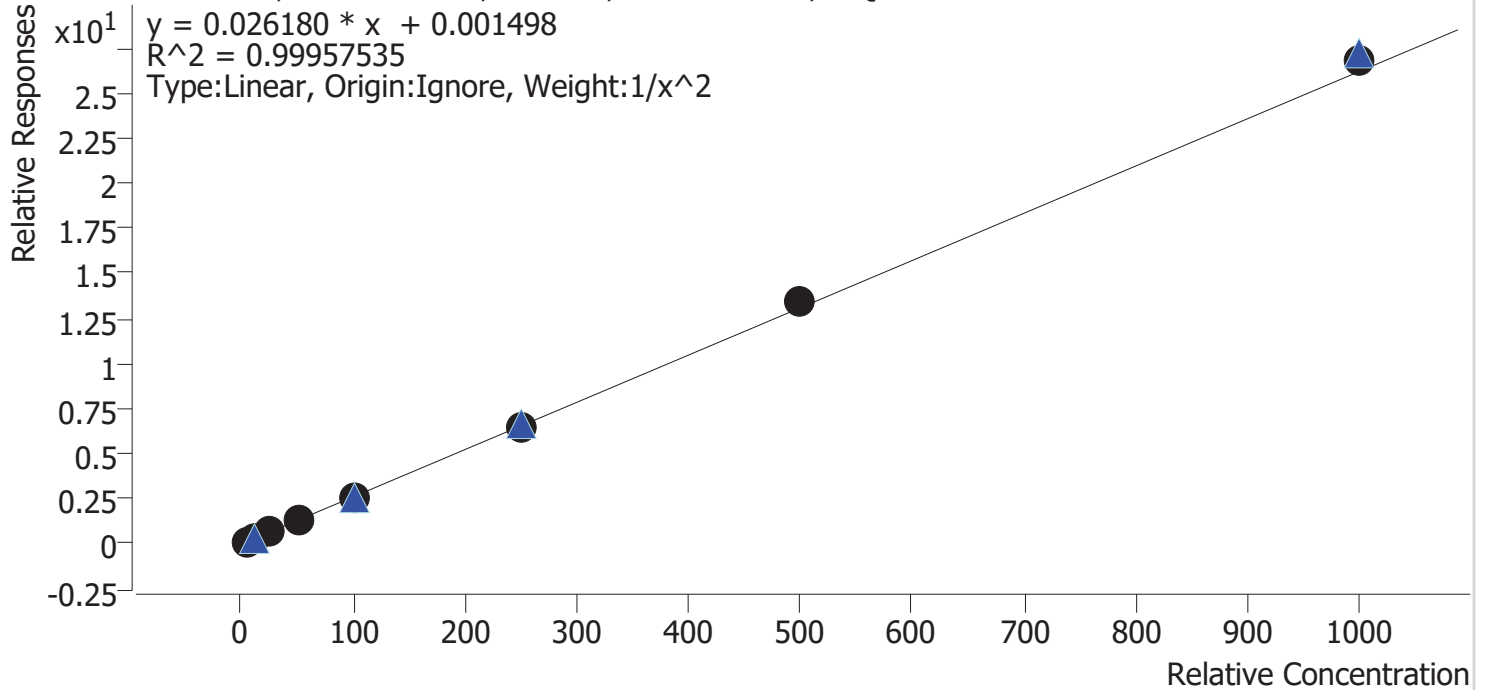
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	106.5	106.5
cal 6 mdq	6	✓	250.0	261.9	104.8
cal 7 mdq	7	✓	500.0	471.5	94.3
cal 8 mdq	8	✓	1000.0	918.0	91.8

Compound Calibration Report



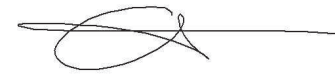
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



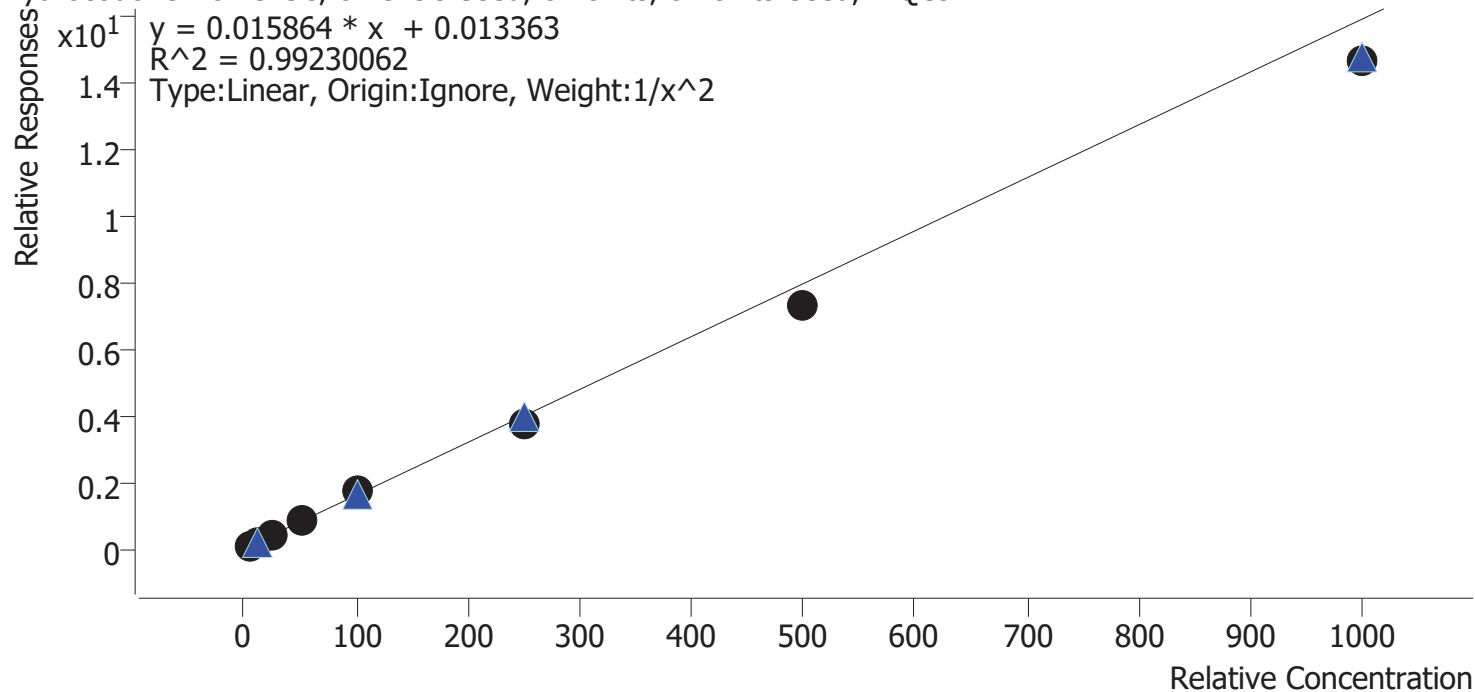
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.0	99.8
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	246.6	98.6
cal 7 mdq	7	✓	500.0	511.8	102.4
cal 8 mdq	8	✓	1000.0	1027.3	102.7

Compound Calibration Report



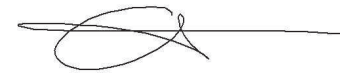
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



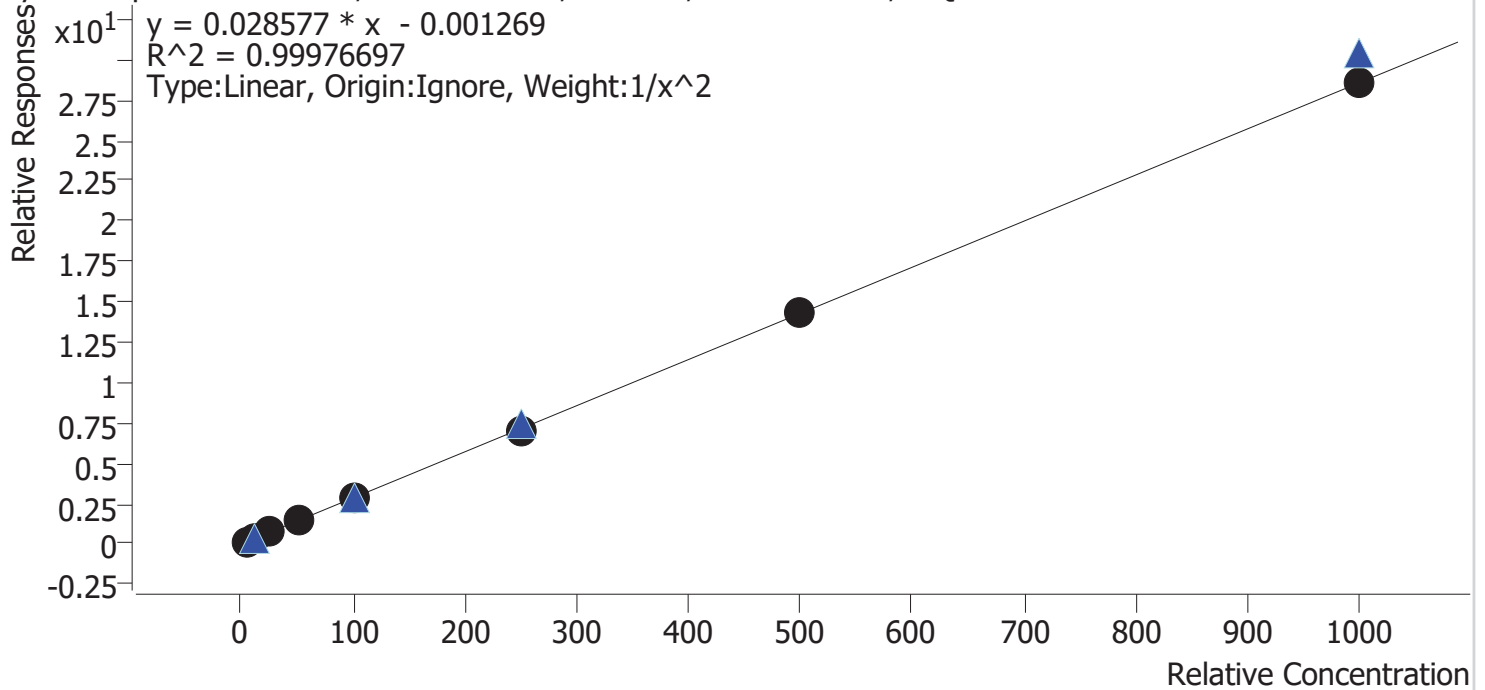
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.3
cal 2 mdq	2	✓	10.0	10.9	108.8
cal 3 mdq	3	✓	25.0	27.5	109.9
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	238.0	95.2
cal 7 mdq	7	✓	500.0	458.9	91.8
cal 8 mdq	8	✓	1000.0	923.6	92.4

Compound Calibration Report



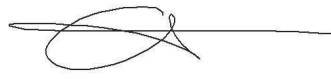
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



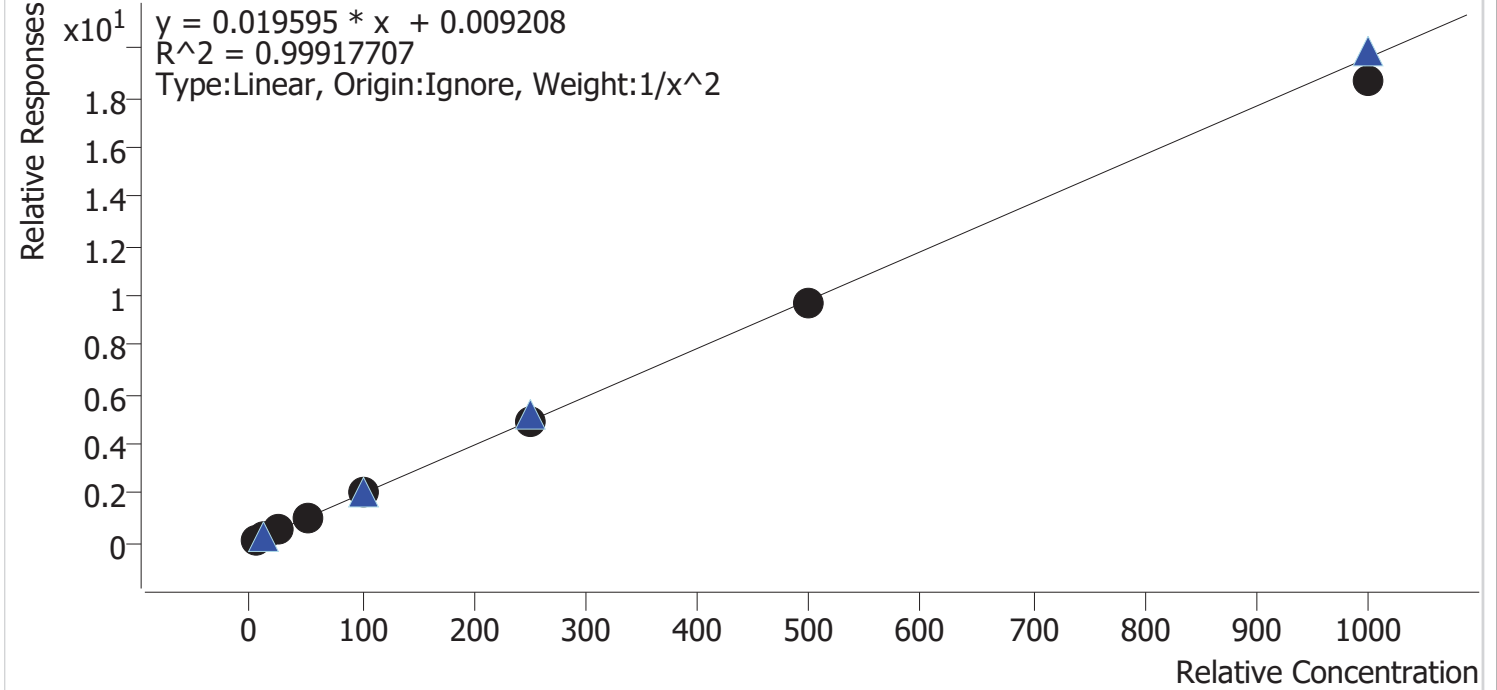
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	248.1	99.3
cal 7 mdq	7	✓	500.0	500.9	100.2
cal 8 mdq	8	✓	1000.0	996.8	99.7

Compound Calibration Report



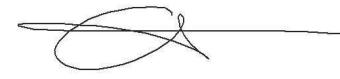
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.2	101.0
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	491.5	98.3
cal 8 mdq	8	✓	1000.0	952.5	95.3

Compound Calibration Report

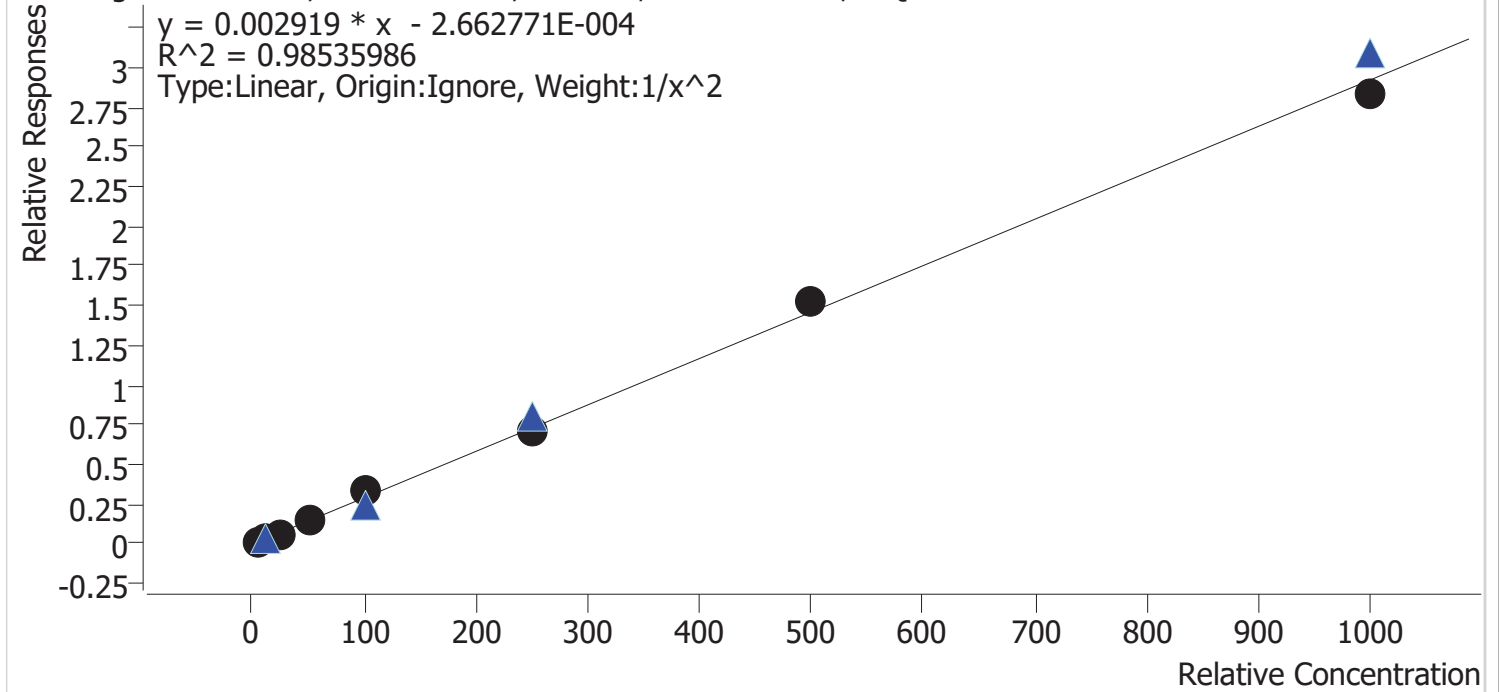


Batch results D:\MassHunter\Data\2022\lam 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Lamotrigine

Internal Standard

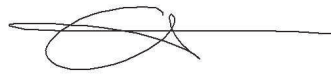
Temazepam-D5

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

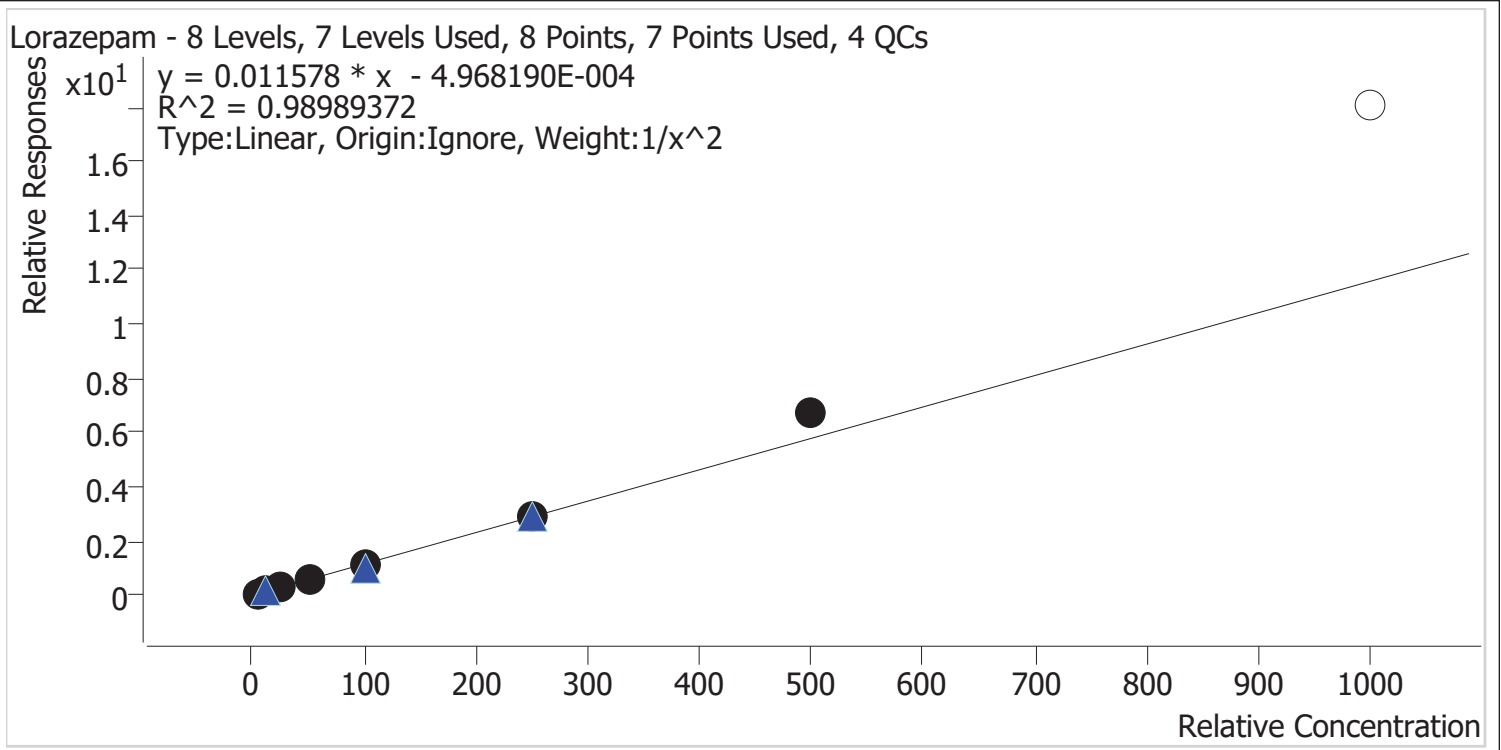


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.7
cal 2 mdq	2	✓	10.0	9.1	90.9
cal 3 mdq	3	✓	25.0	20.5	82.0
cal 4 mdq	4	✓	50.0	53.4	106.9
cal 5 mdq	5	✓	100.0	115.5	115.5
cal 6 mdq	6	✓	250.0	240.9	96.4
cal 7 mdq	7	✓	500.0	523.8	104.8
cal 8 mdq	8	✓	1000.0	968.8	96.9

Compound Calibration Report



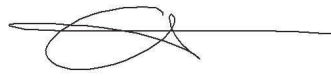
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	105.0
cal 2 mdq	2	✓	10.0	9.4	93.7
cal 3 mdq	3	✓	25.0	23.4	93.6
cal 4 mdq	4	✓	50.0	47.3	94.7
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	585.8	117.2
cal 8 mdq	8	×	1000.0	1559.7	156.0

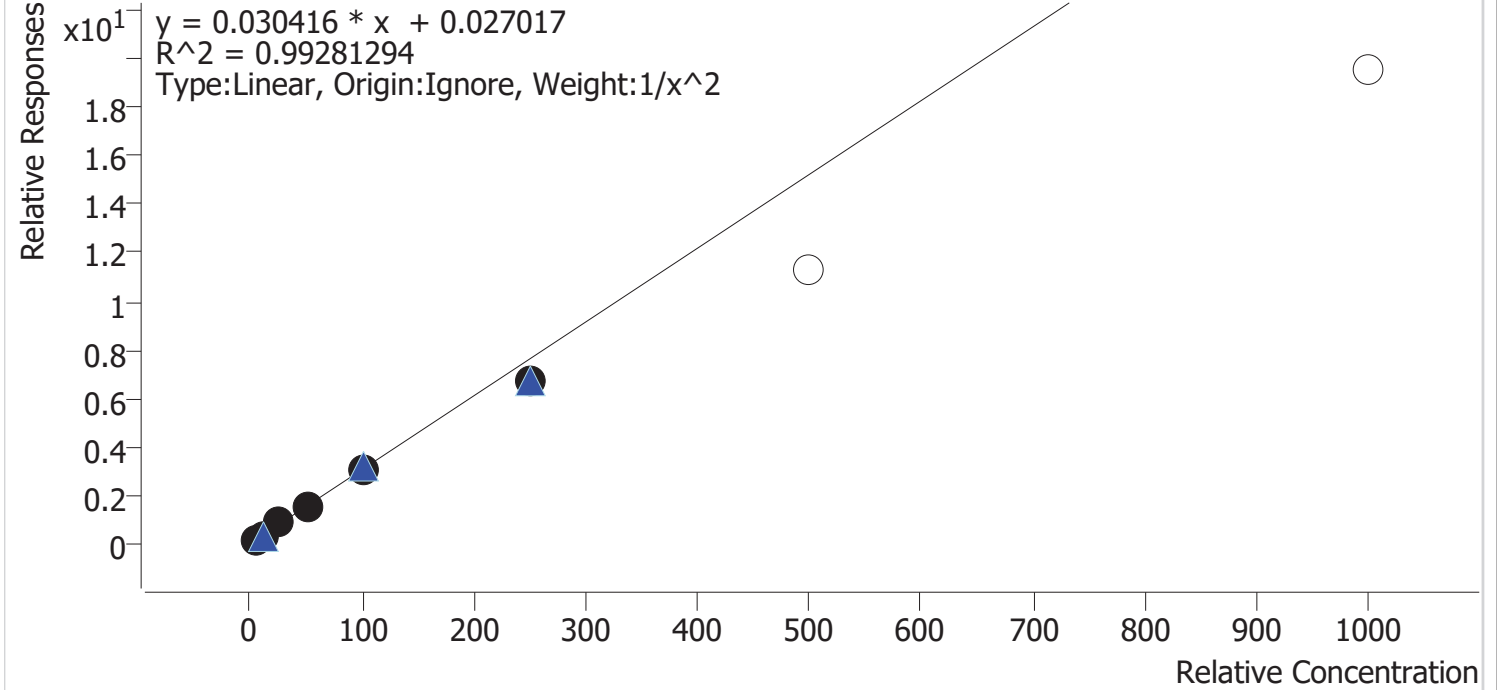
dropped cal 8 due to accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

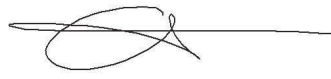
MDA - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	27.1	108.4
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	221.0	88.4
cal 7 mdq	7	×	500.0	371.0	74.2
cal 8 mdq	8	×	1000.0	643.4	64.3

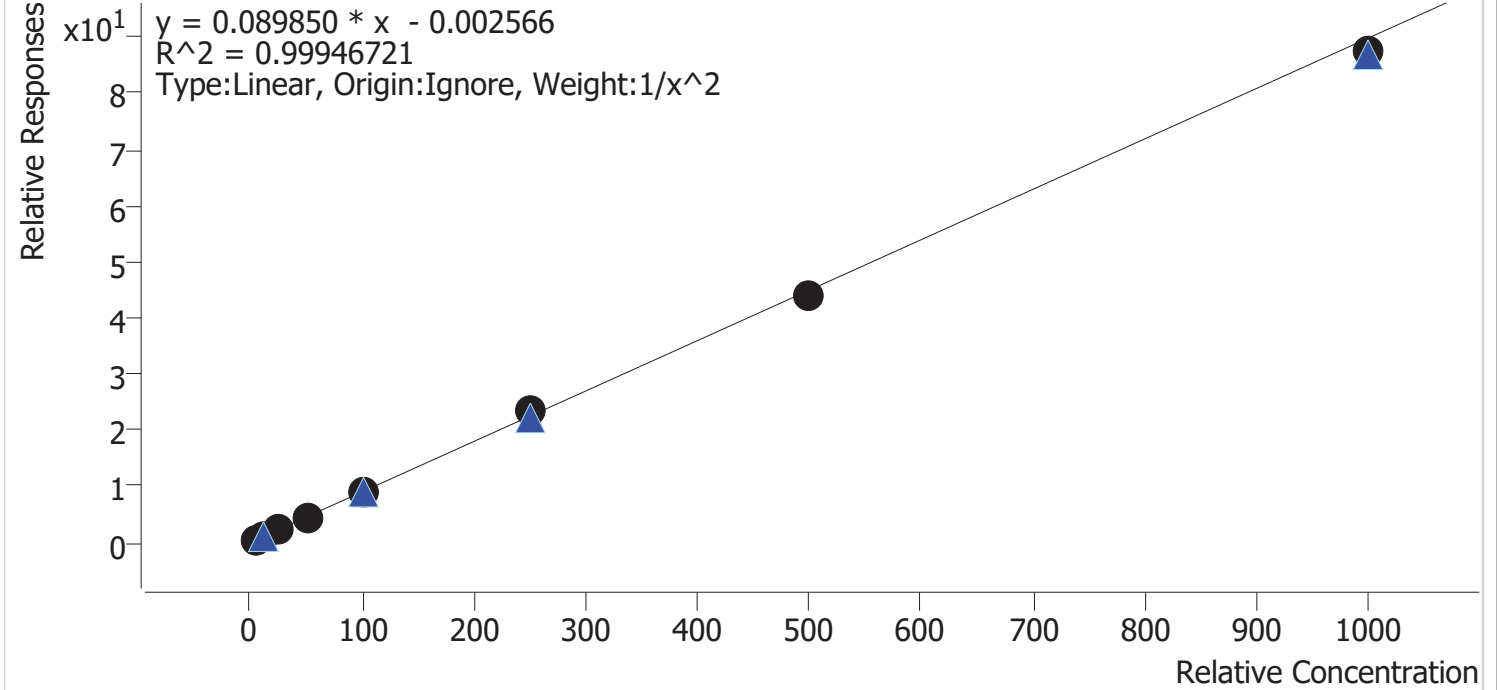
dropped cal 7 and 8 due to accuracy

Compound Calibration Report



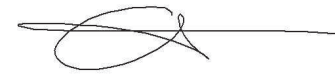
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	258.6	103.5
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	973.2	97.3

Compound Calibration Report

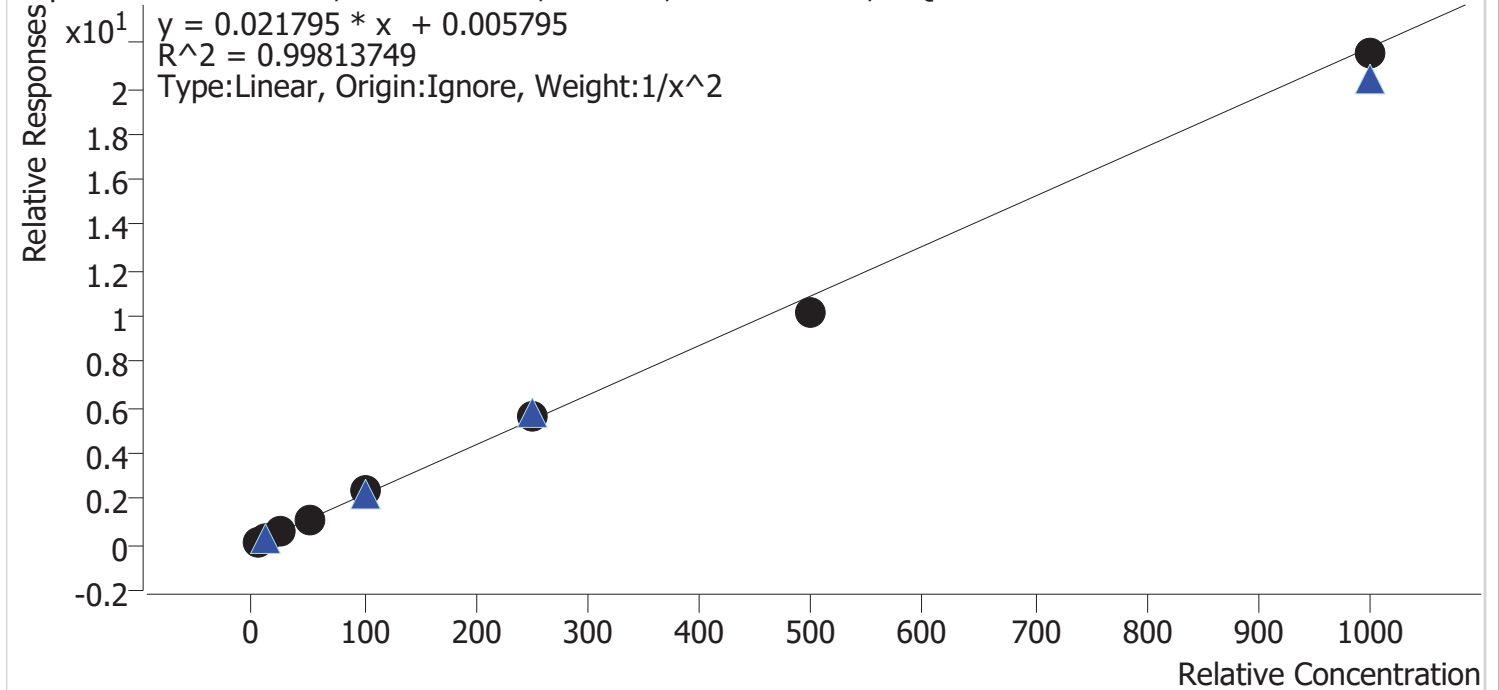


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Meprobamate

Internal Standard

Carisoprodol-D7

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

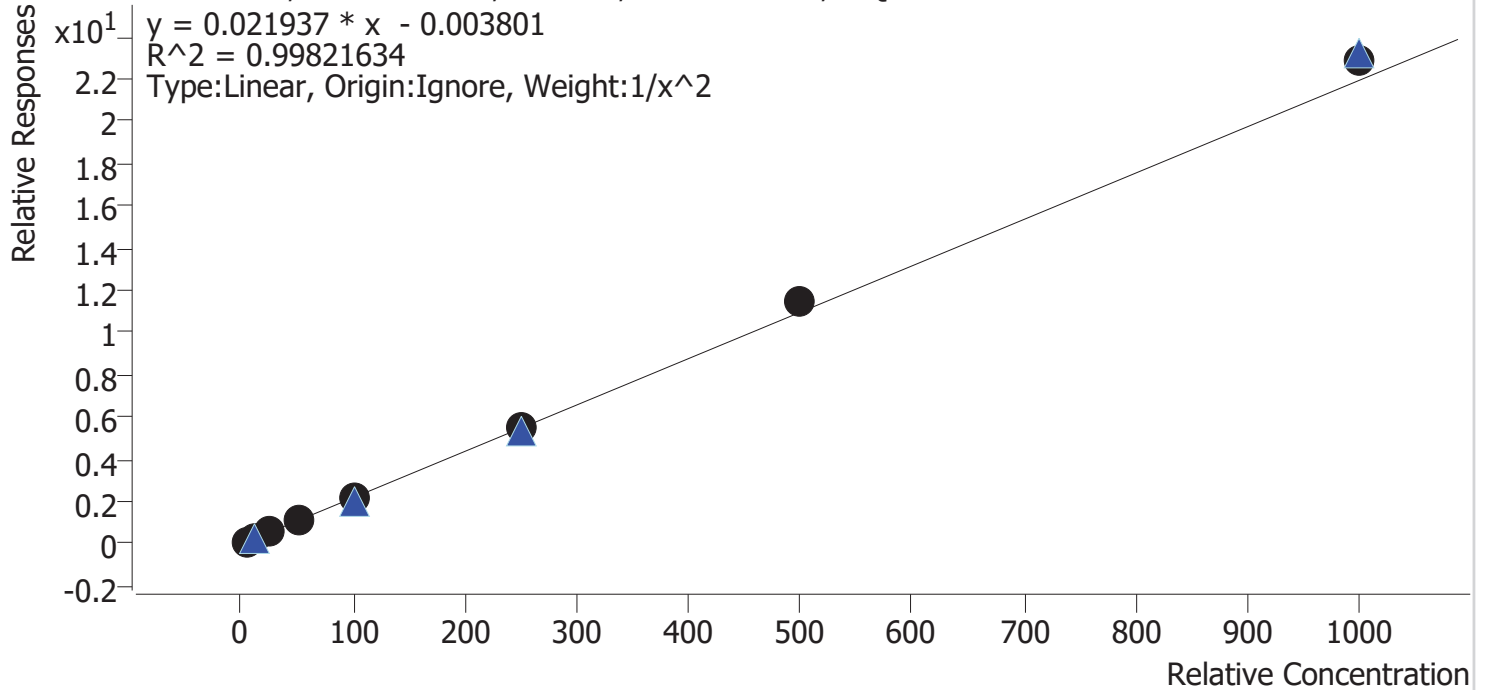


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	465.7	93.1
cal 8 mdq	8	✓	1000.0	987.2	98.7

Compound Calibration Report

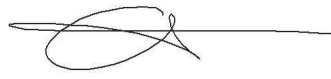
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



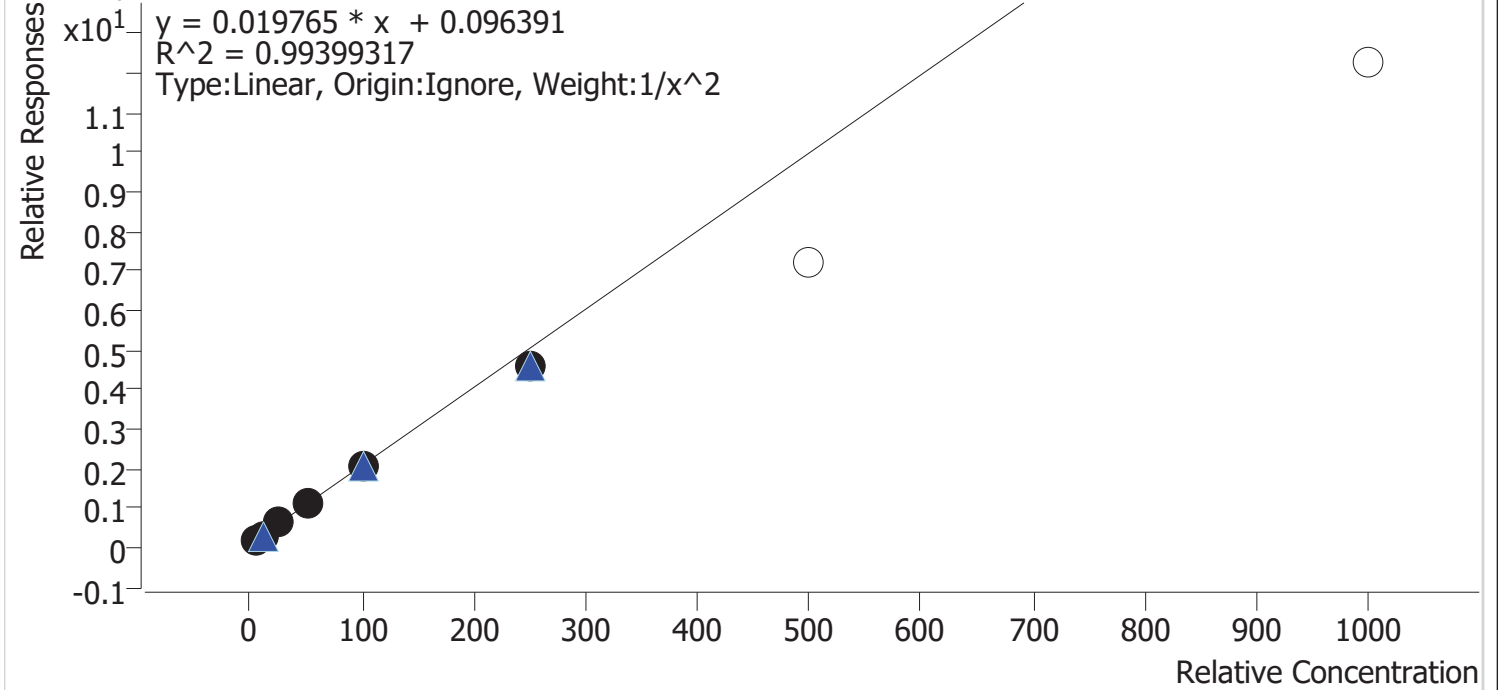
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.4
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	48.4	96.9
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	526.9	105.4
cal 8 mdq	8	✓	1000.0	1044.7	104.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

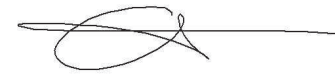
Methamphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.3	102.6
cal 3 mdq	3	✓	25.0	26.6	106.5
cal 4 mdq	4	✓	50.0	53.2	106.3
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	225.6	90.2
cal 7 mdq	7	×	500.0	359.0	71.8
cal 8 mdq	8	×	1000.0	615.6	61.6

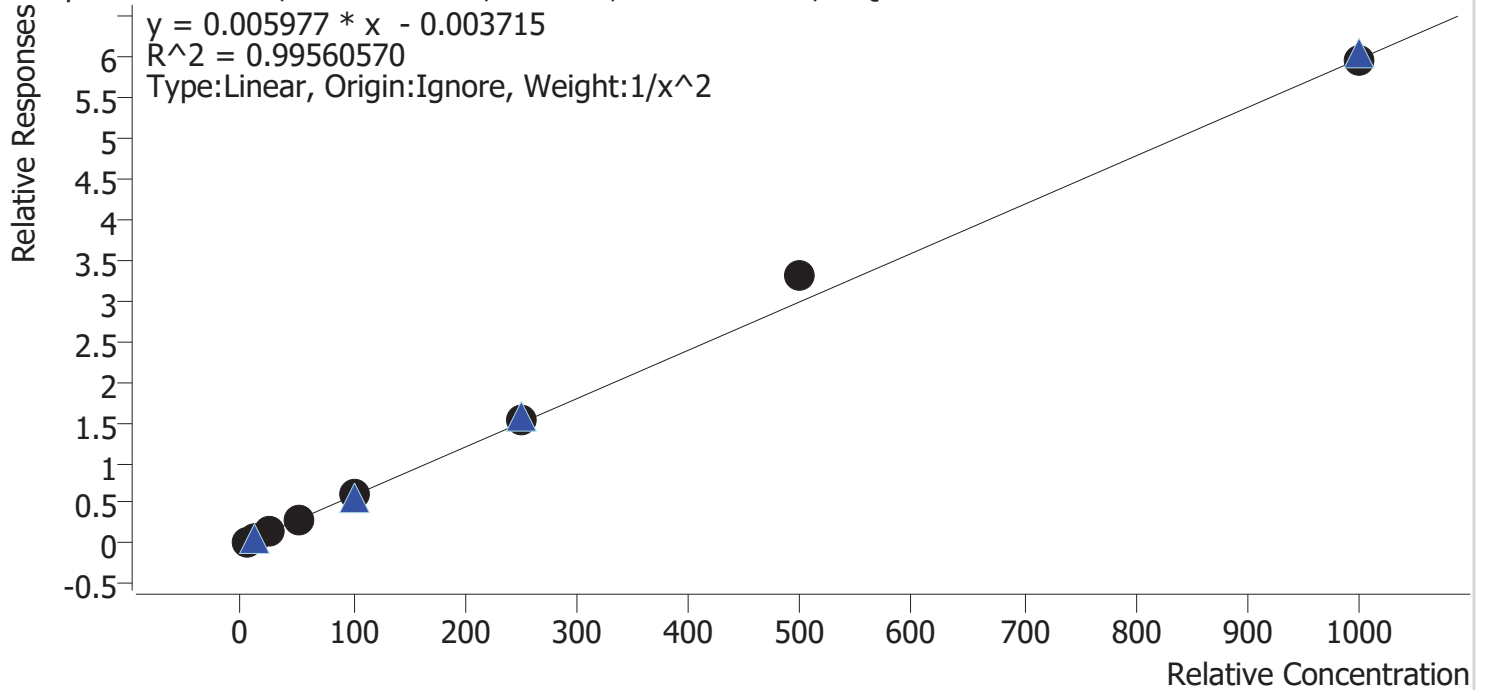
dropped cal 7 and 8 due to accuracy. evaluated qualitatively

Compound Calibration Report



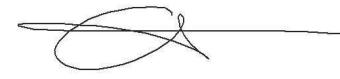
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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



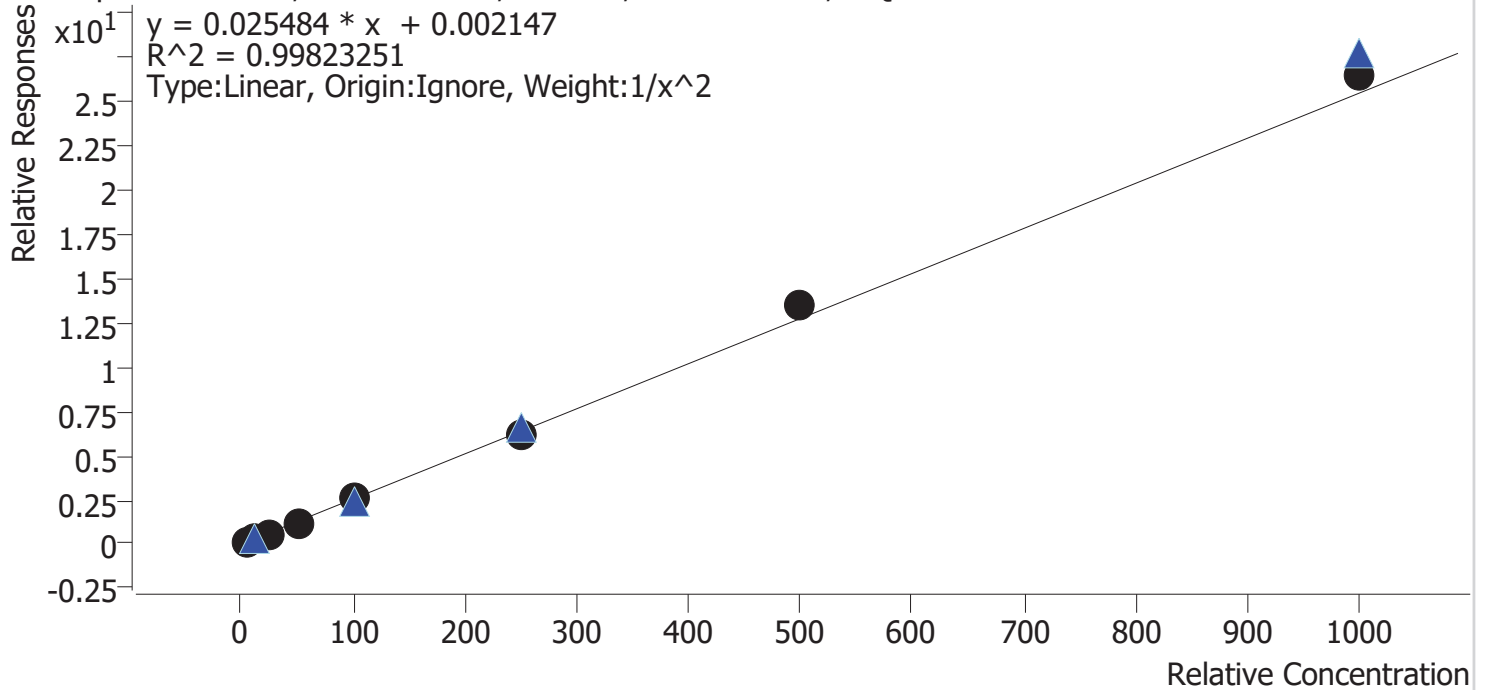
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	23.8	95.3
cal 4 mdq	4	✓	50.0	45.9	91.9
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	551.7	110.3
cal 8 mdq	8	✓	1000.0	995.9	99.6

Compound Calibration Report



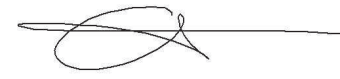
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	47.5	95.1
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	528.2	105.6
cal 8 mdq	8	✓	1000.0	1037.8	103.8

Compound Calibration Report

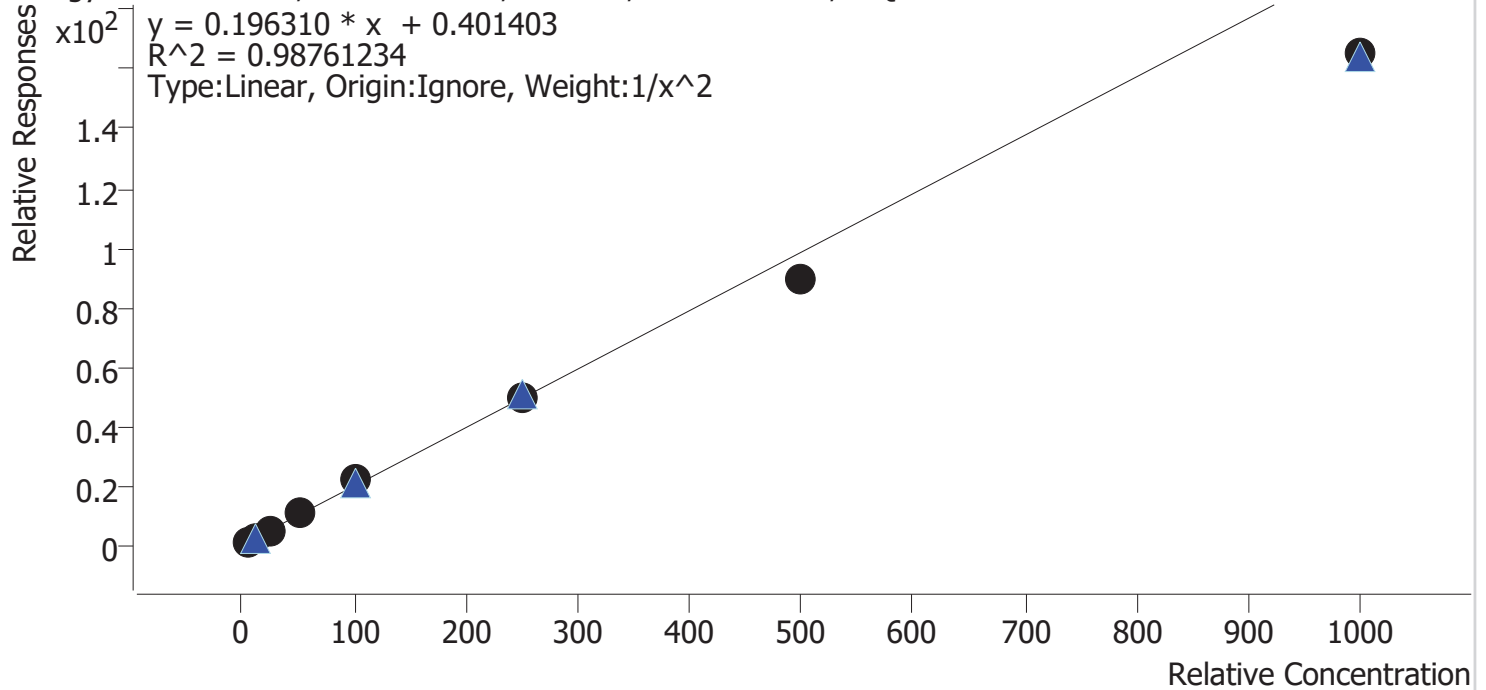


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Mitragynine

Internal Standard

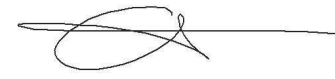
Norbuprenorphine-D3

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



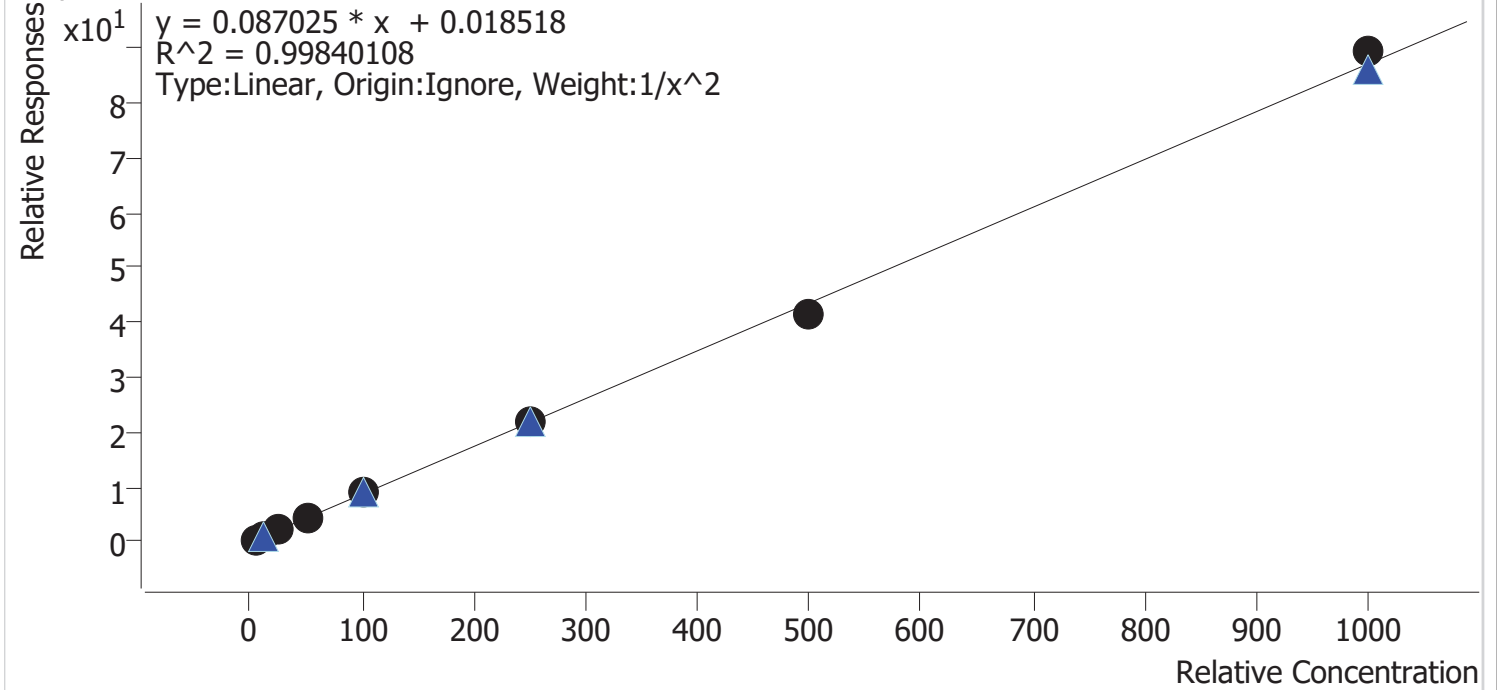
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	10.6	106.5
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	56.5	113.0
cal 5 mdq	5	✓	100.0	109.0	109.0
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	453.8	90.8
cal 8 mdq	8	✓	1000.0	839.7	84.0

Compound Calibration Report



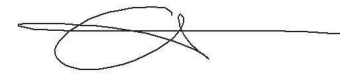
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



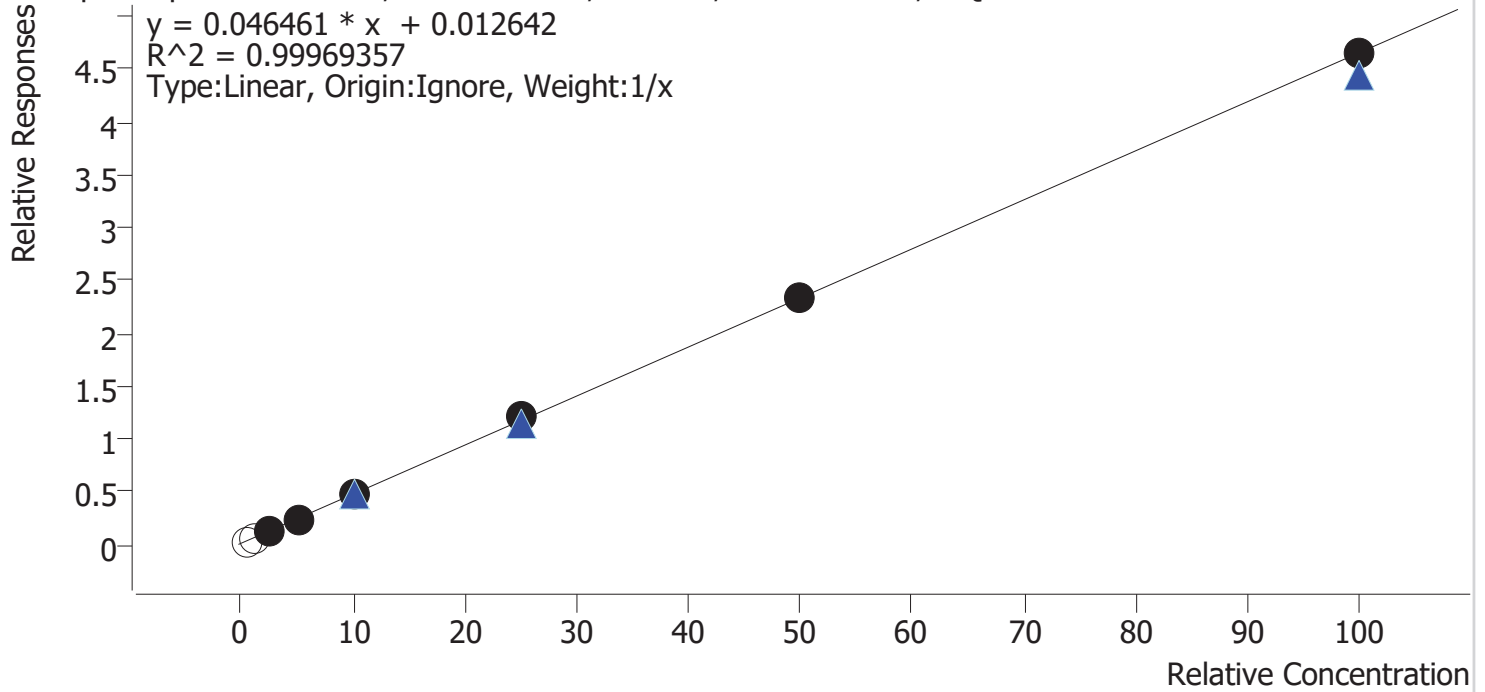
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	47.2	94.5
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	480.0	96.0
cal 8 mdq	8	✓	1000.0	1025.6	102.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

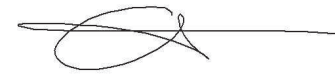
Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	0.5	0.3	57.6
cal 2 mdq	2	×	1.0	1.0	98.0
cal 3 mdq	3	✓	2.5	2.6	102.5
cal 4 mdq	4	✓	5.0	4.9	98.2
cal 5 mdq	5	✓	10.0	9.7	96.7
cal 6 mdq	6	✓	25.0	25.8	103.4
cal 7 mdq	7	✓	50.0	49.7	99.4
cal 8 mdq	8	✓	100.0	99.8	99.8

dropped cal 1 and 2 due to ratio being out of range in 1 ng control.

Compound Calibration Report

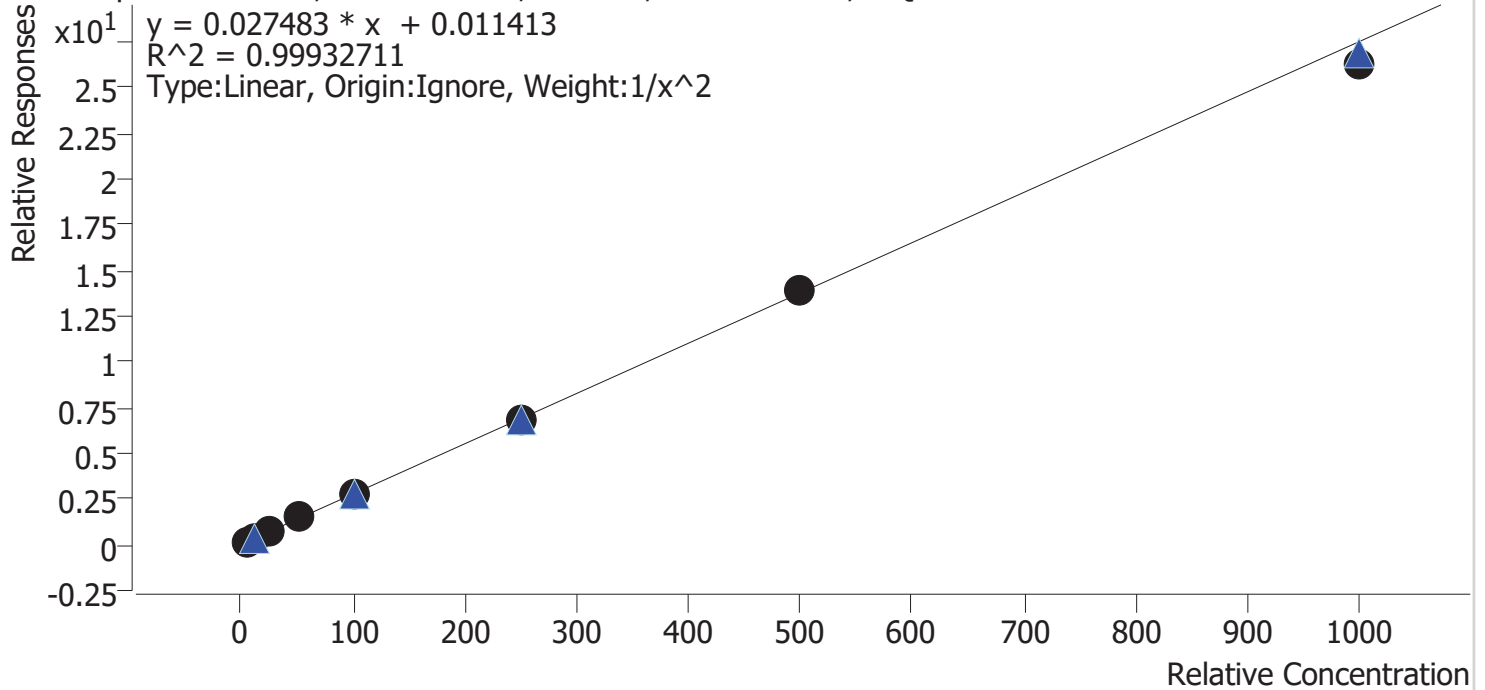


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Nordiazepam

Internal Standard

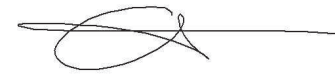
Nordiazepam-D5

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



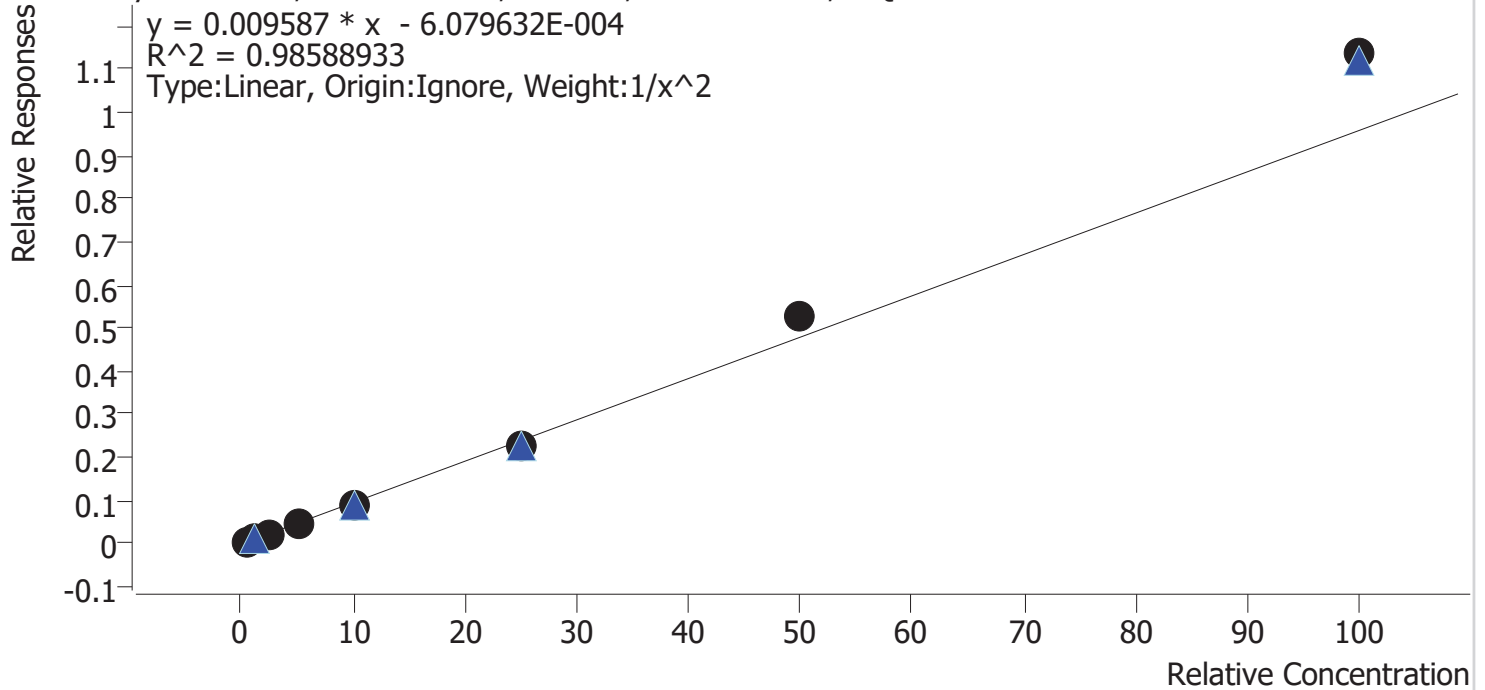
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	956.3	95.6

Compound Calibration Report



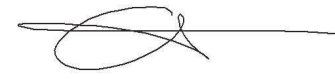
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



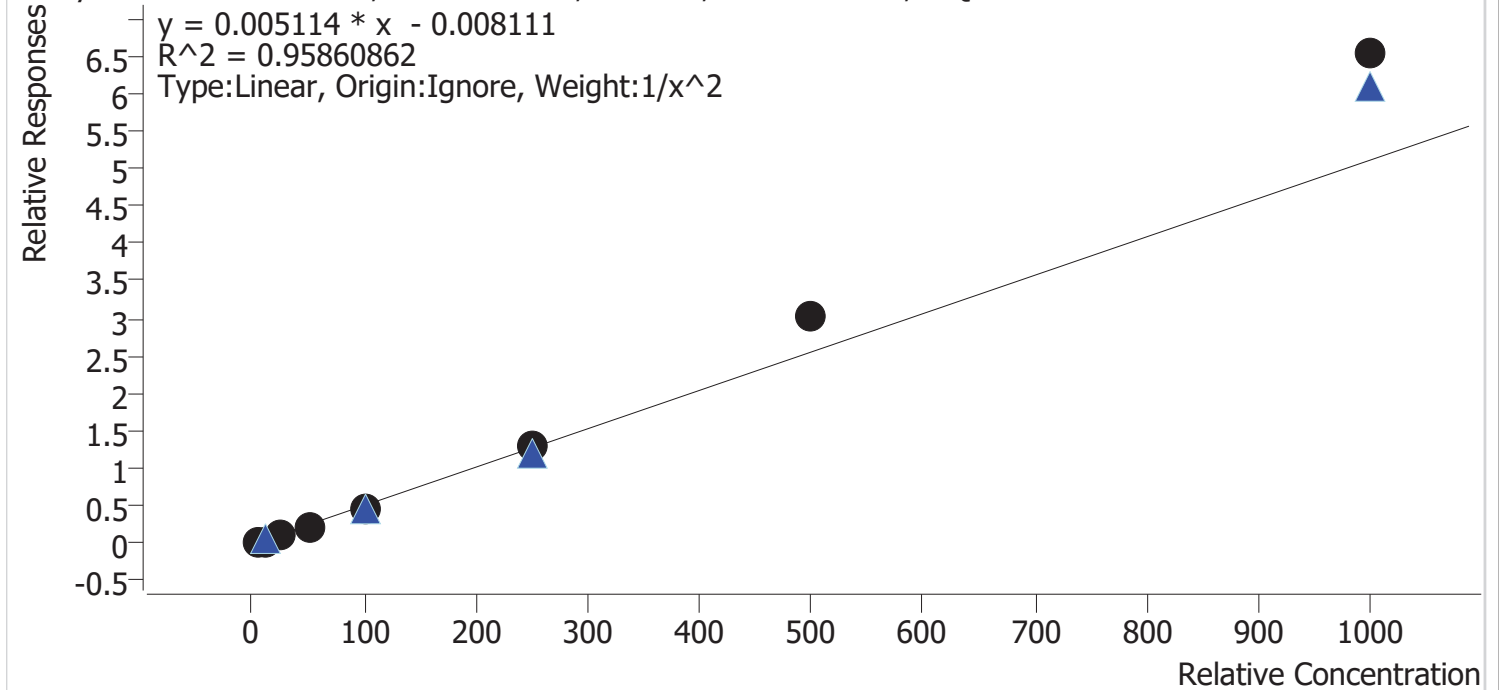
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.7
cal 2 mdq	2	✓	1.0	0.9	93.6
cal 3 mdq	3	✓	2.5	2.3	93.8
cal 4 mdq	4	✓	5.0	4.5	89.7
cal 5 mdq	5	✓	10.0	9.2	92.0
cal 6 mdq	6	✓	25.0	24.0	96.0
cal 7 mdq	7	✓	50.0	55.3	110.5
cal 8 mdq	8	✓	100.0	118.6	118.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

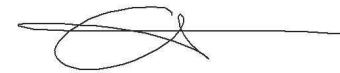
Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	113.1
cal 2 mdq	2	✓	10.0	8.5	85.2
cal 3 mdq	3	✓	25.0	20.2	80.8
cal 4 mdq	4	✓	50.0	41.8	83.7
cal 5 mdq	5	✓	100.0	89.9	89.9
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	597.3	119.5
cal 8 mdq	8	✓	1000.0	1277.5	127.8

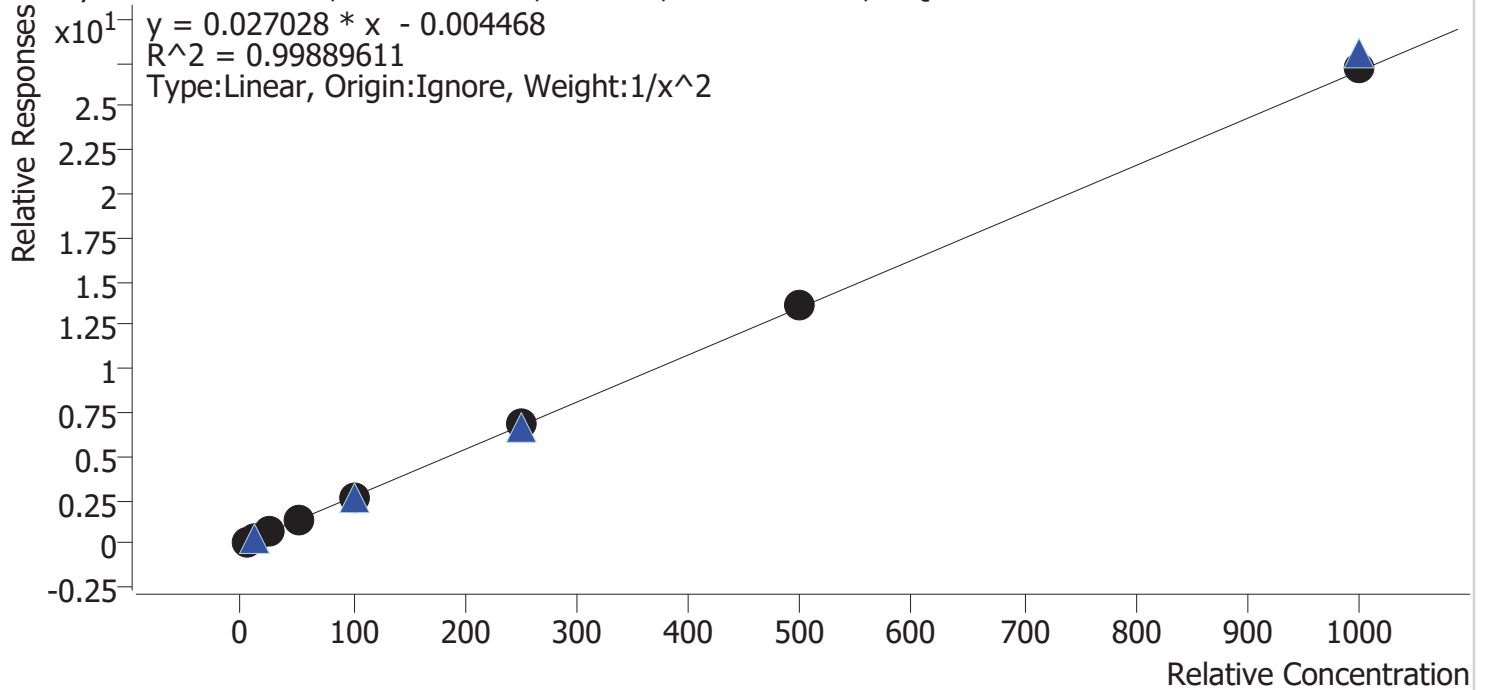
Norhydrocodone was not evaluated in this run due to rising ratios indicating an interferant.

Compound Calibration Report



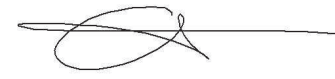
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

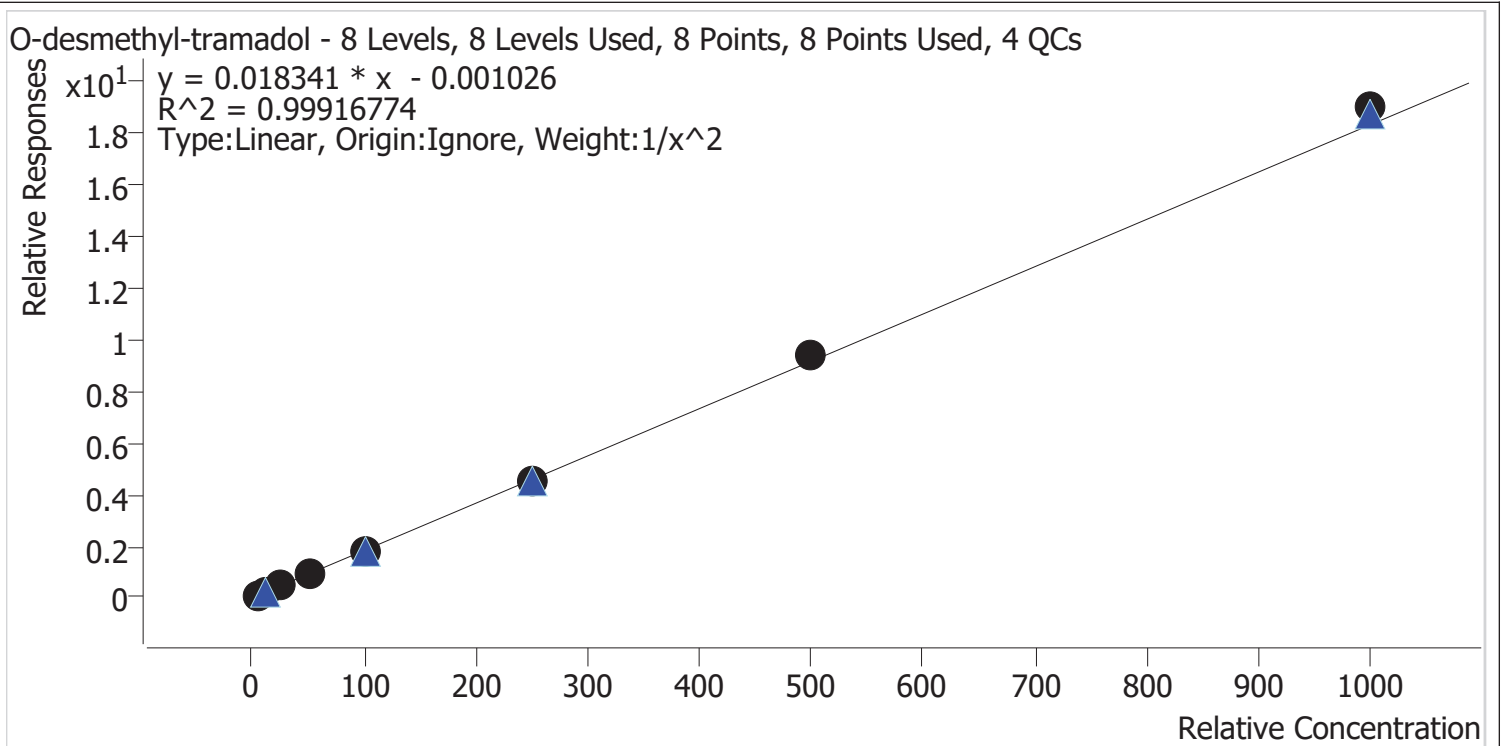


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.4	103.9
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	48.4	96.7
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	257.3	102.9
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	1010.4	101.0

Compound Calibration Report

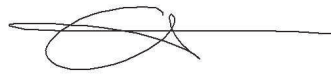


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



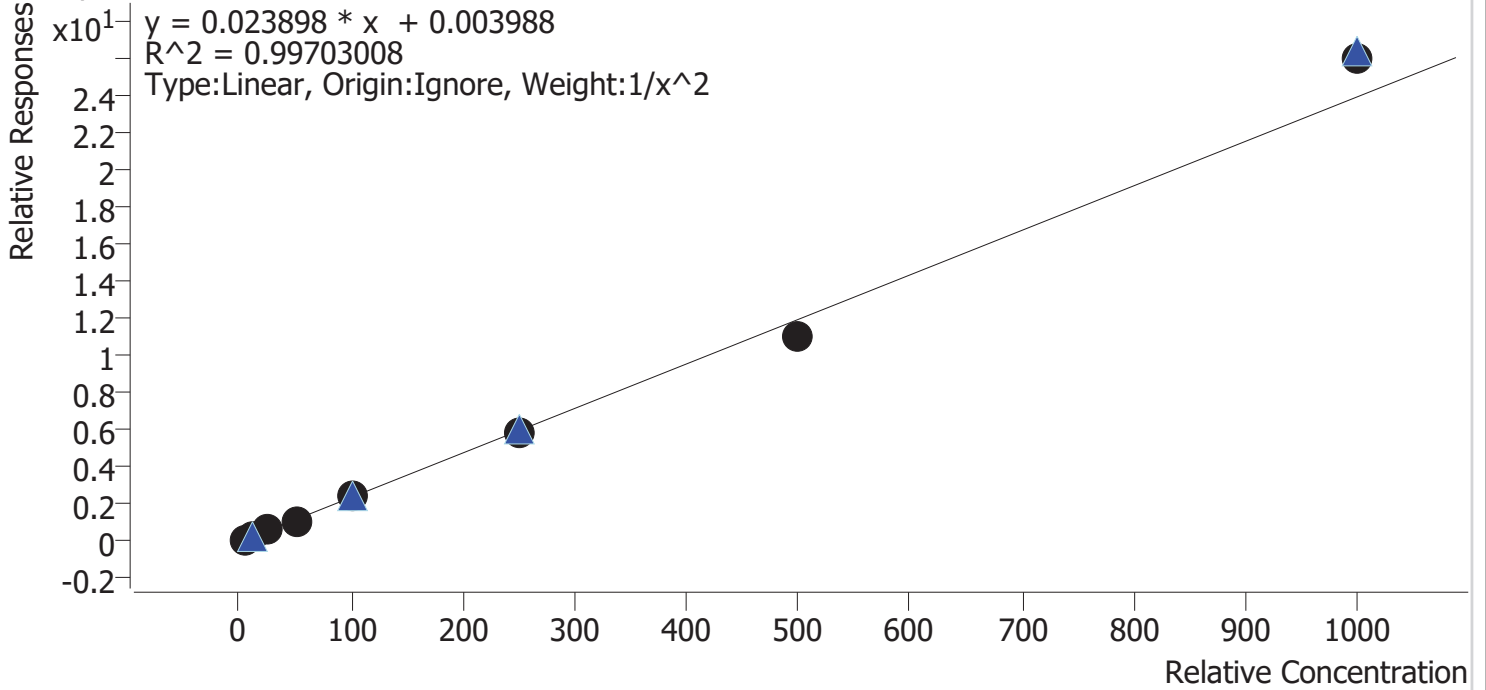
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	49.0	98.1
cal 5 mdq	5	✓	100.0	96.9	96.9
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	515.9	103.2
cal 8 mdq	8	✓	1000.0	1037.1	103.7

Compound Calibration Report



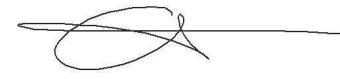
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



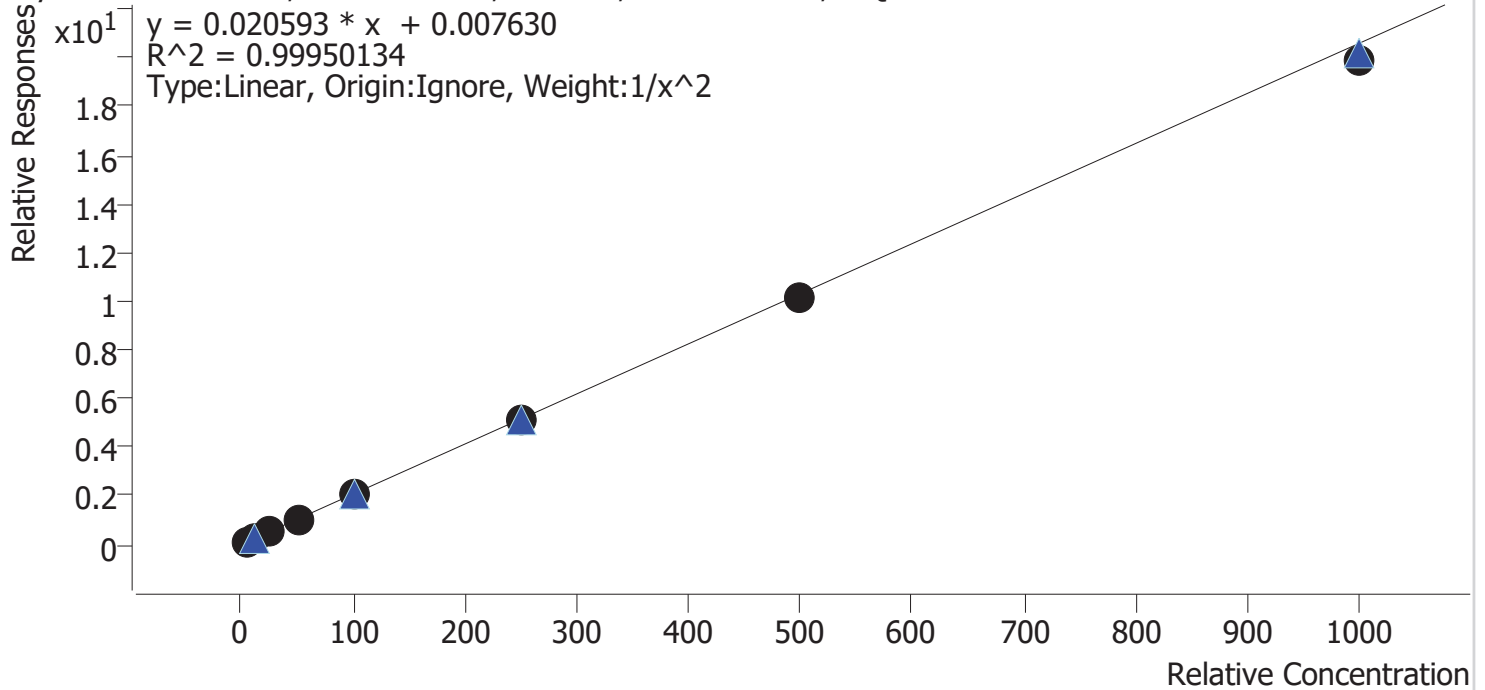
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	459.1	91.8
cal 8 mdq	8	✓	1000.0	1087.6	108.8

Compound Calibration Report



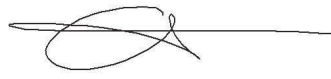
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



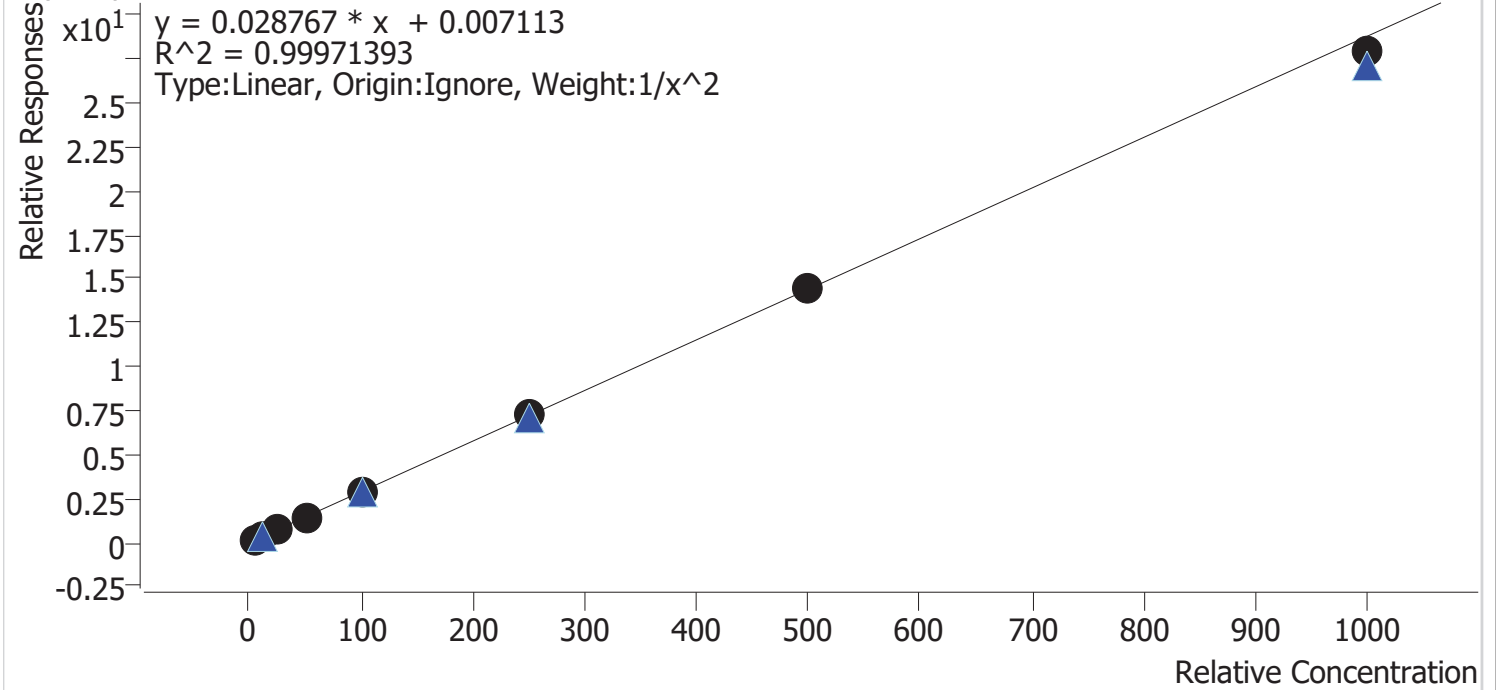
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	250.1	100.0
cal 7 mdq	7	✓	500.0	493.6	98.7
cal 8 mdq	8	✓	1000.0	963.7	96.4

Compound Calibration Report



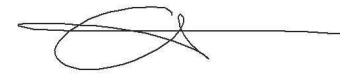
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



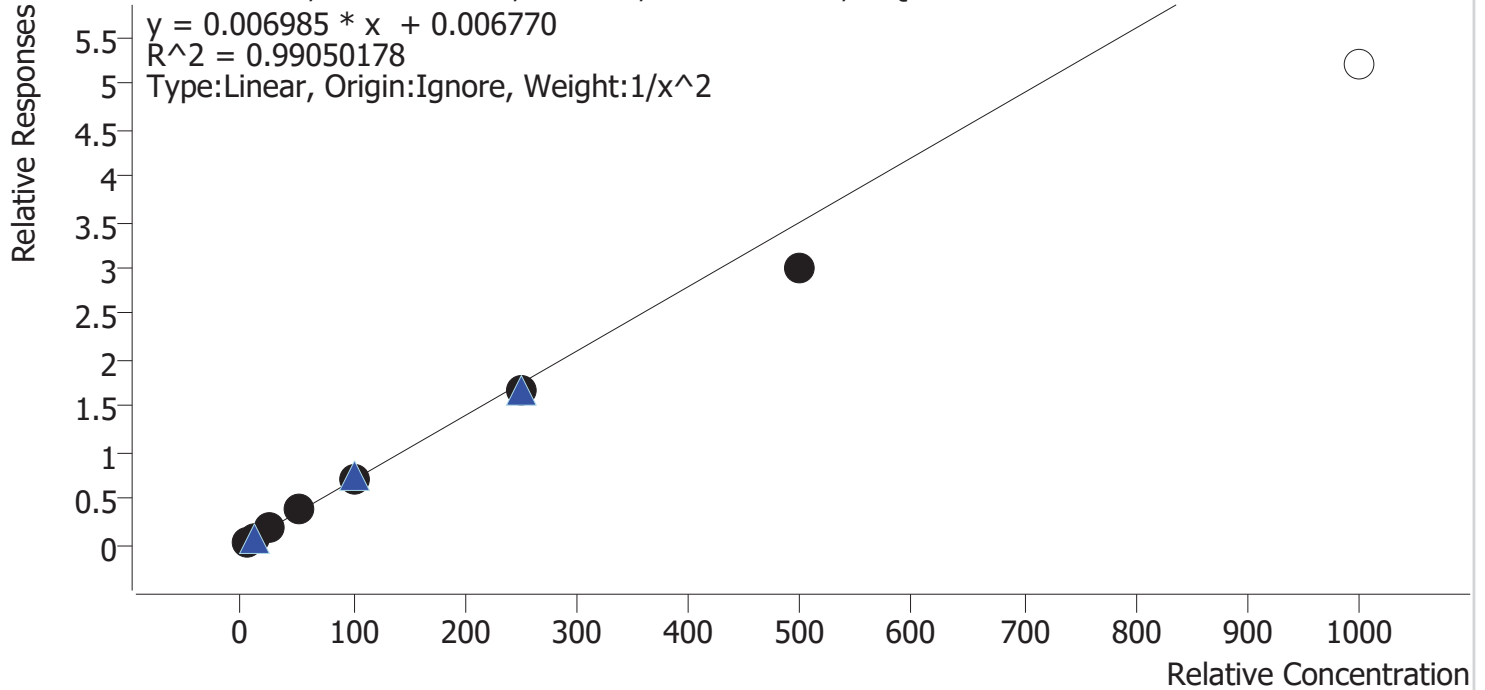
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	498.5	99.7
cal 8 mdq	8	✓	1000.0	969.7	97.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

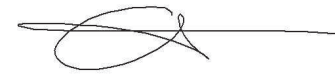
Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.5
cal 2 mdq	2	✓	10.0	10.4	104.4
cal 3 mdq	3	✓	25.0	26.9	107.4
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	238.6	95.4
cal 7 mdq	7	✓	500.0	427.6	85.5
cal 8 mdq	8	×	1000.0	742.2	74.2

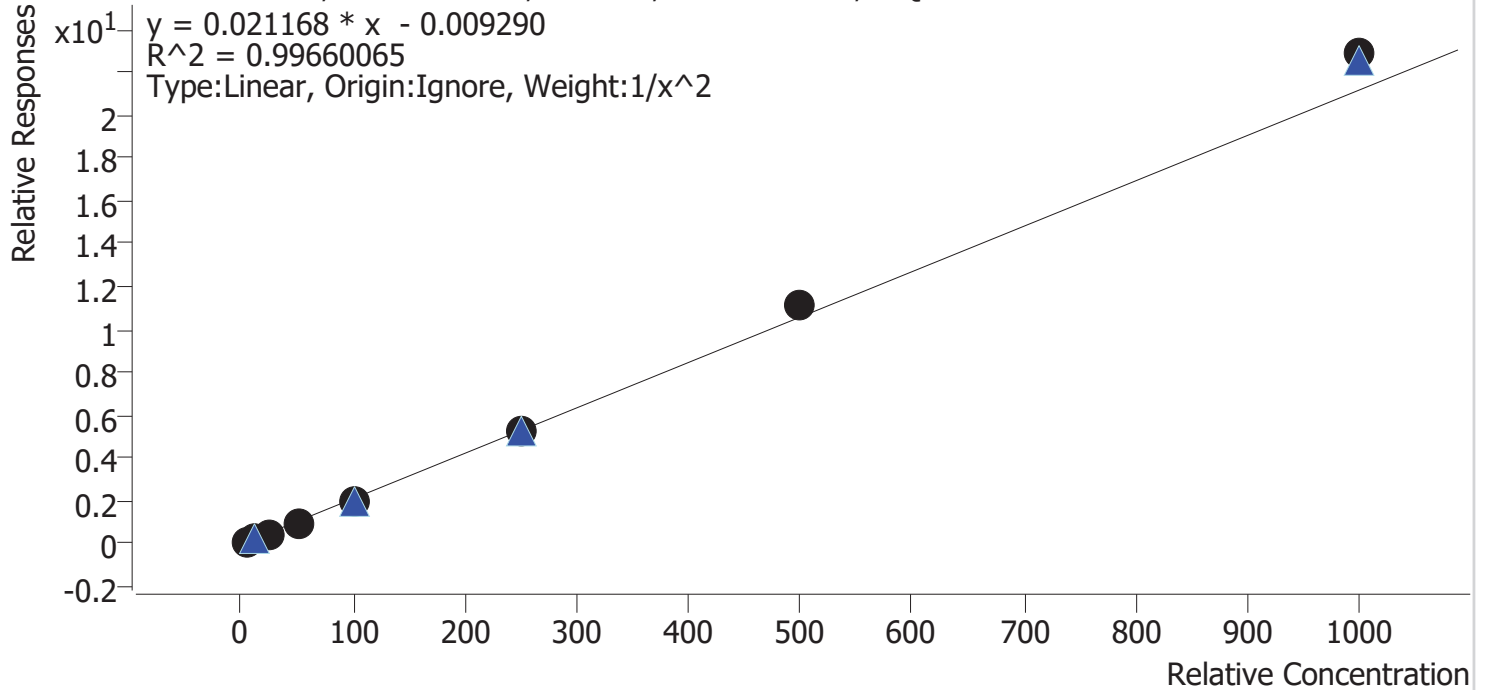
dropped cal 8 due to accuracy

Compound Calibration Report



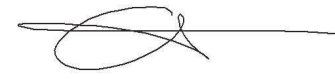
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



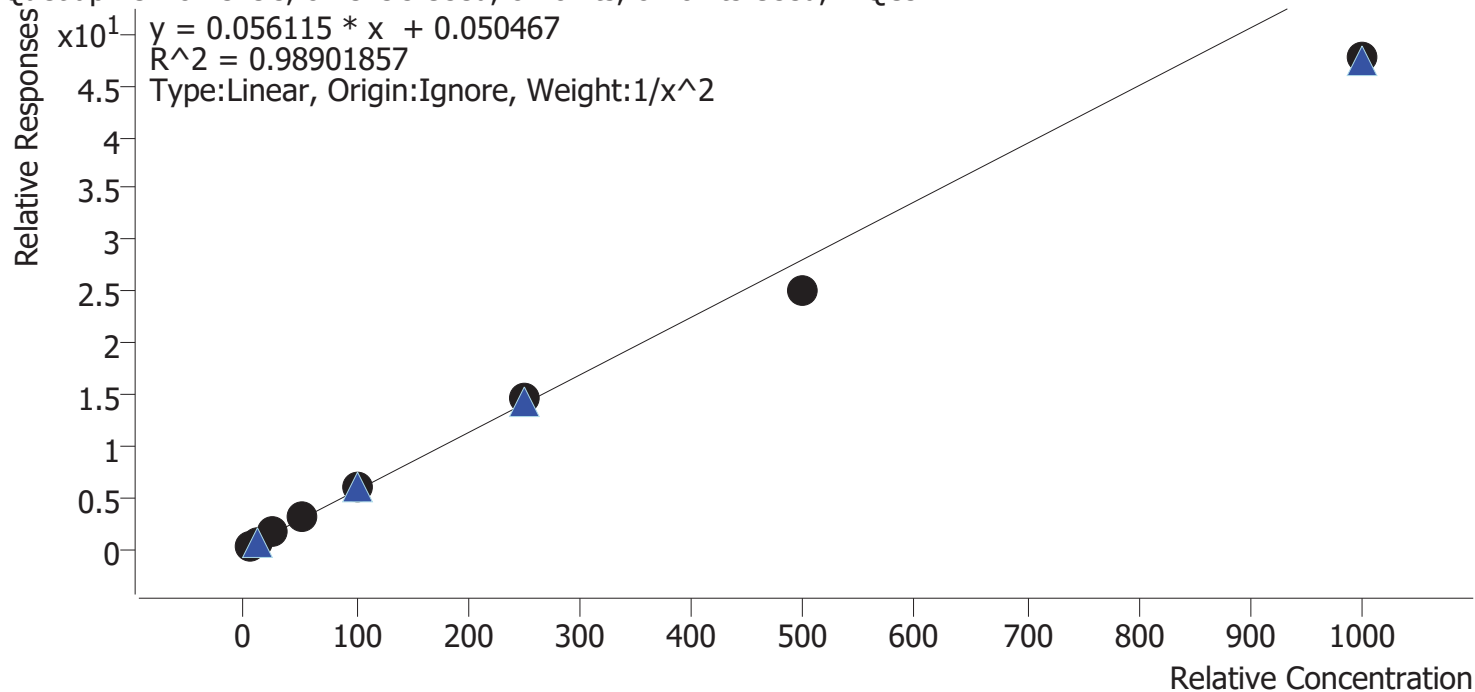
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	47.9	95.8
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	524.6	104.9
cal 8 mdq	8	✓	1000.0	1080.3	108.0

Compound Calibration Report



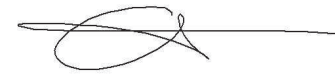
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



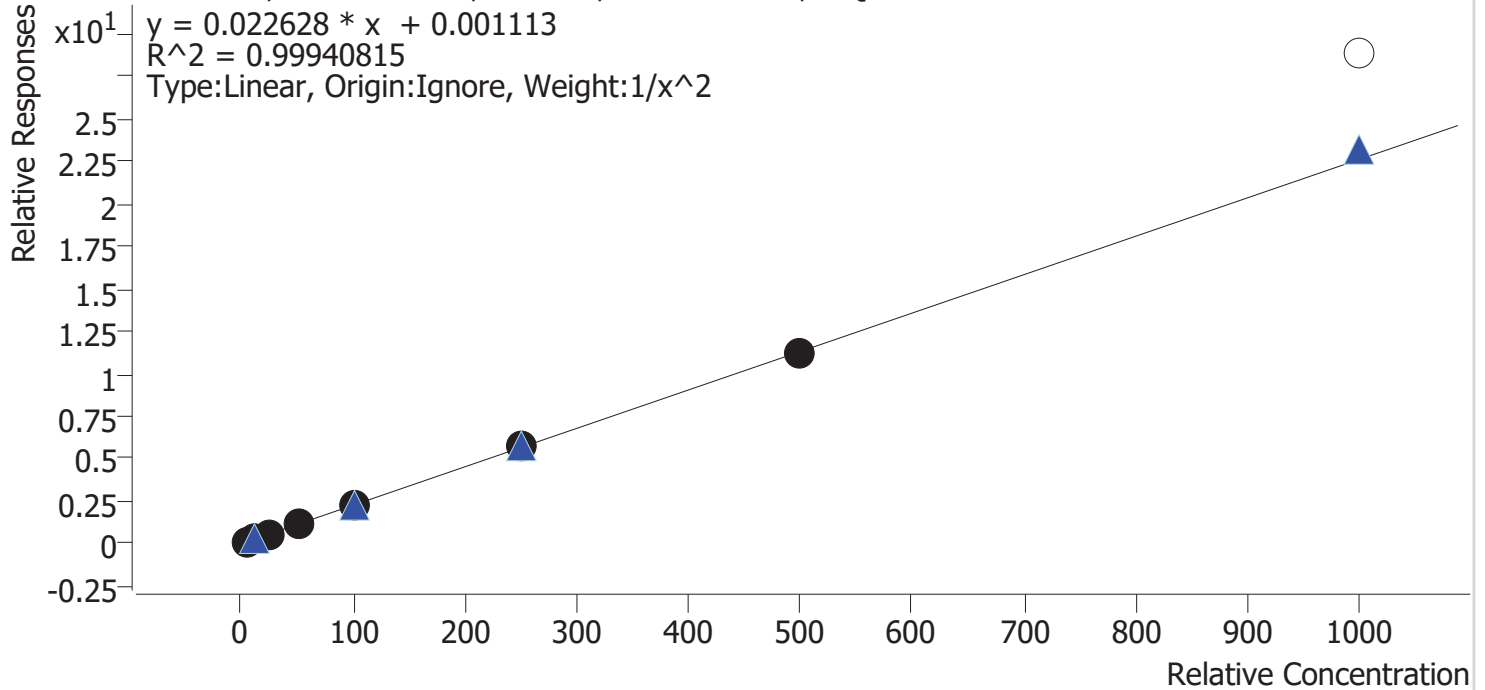
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.9
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	26.2	104.8
cal 4 mdq	4	✓	50.0	54.7	109.5
cal 5 mdq	5	✓	100.0	108.7	108.7
cal 6 mdq	6	✓	250.0	259.2	103.7
cal 7 mdq	7	✓	500.0	444.2	88.8
cal 8 mdq	8	✓	1000.0	848.8	84.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



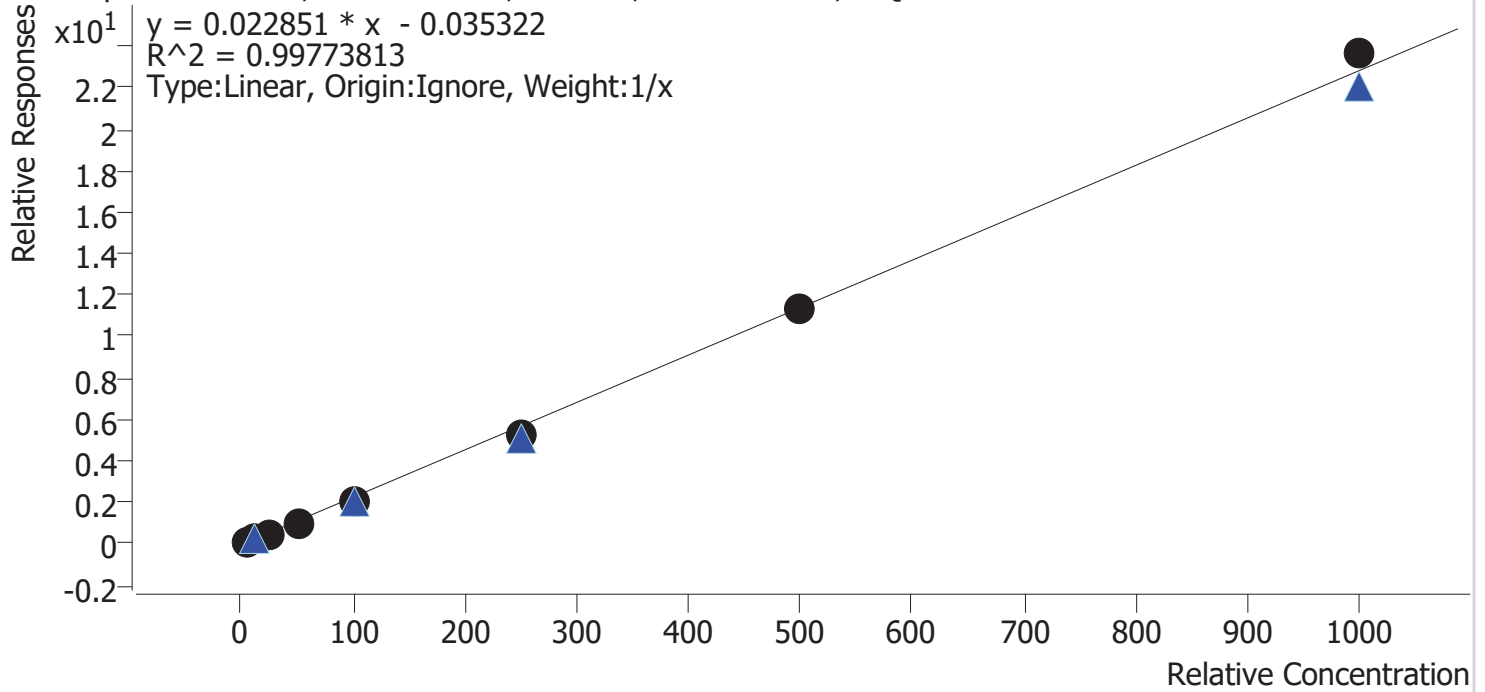
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	102.5
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	493.2	98.6
cal 8 mdq	8	×	1000.0	1275.5	127.6

dropped cal 8 due to accuracy

Compound Calibration Report

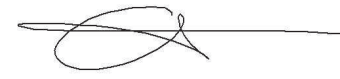
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



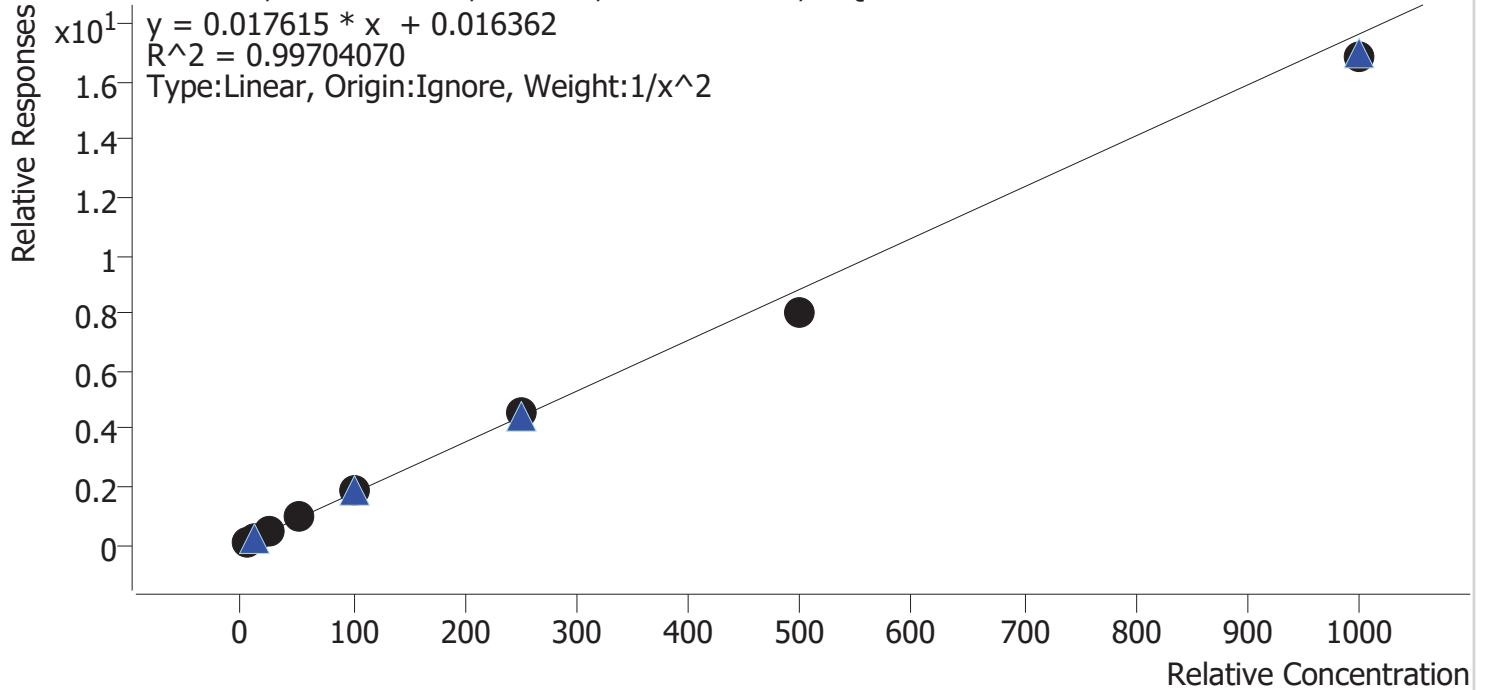
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.1	121.7
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	23.7	94.8
cal 4 mdq	4	✓	50.0	45.8	91.5
cal 5 mdq	5	✓	100.0	93.0	93.0
cal 6 mdq	6	✓	250.0	230.7	92.3
cal 7 mdq	7	✓	500.0	494.4	98.9
cal 8 mdq	8	✓	1000.0	1035.9	103.6

Compound Calibration Report



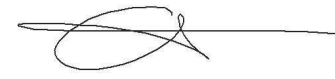
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.5
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	456.8	91.4
cal 8 mdq	8	✓	1000.0	955.0	95.5

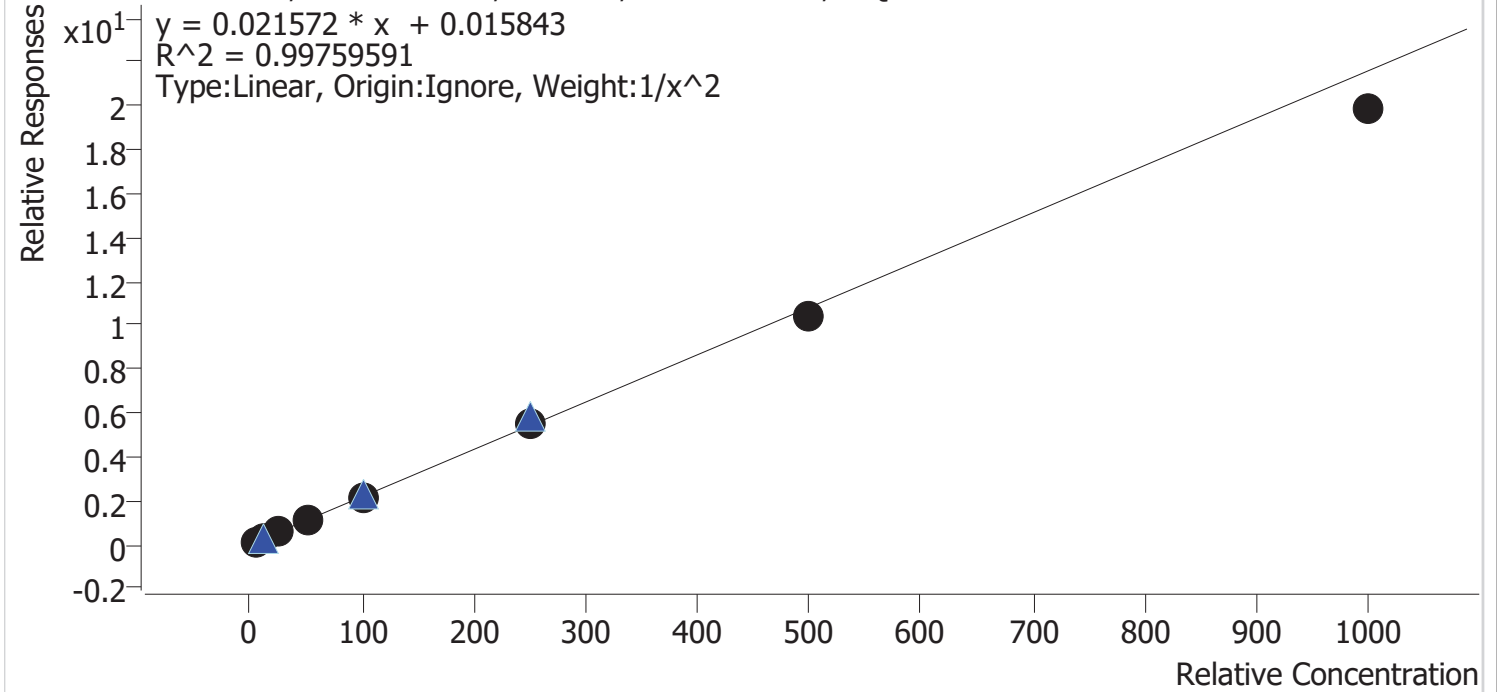
Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Trazodone

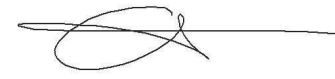
Internal Standard Trazodone-D6

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



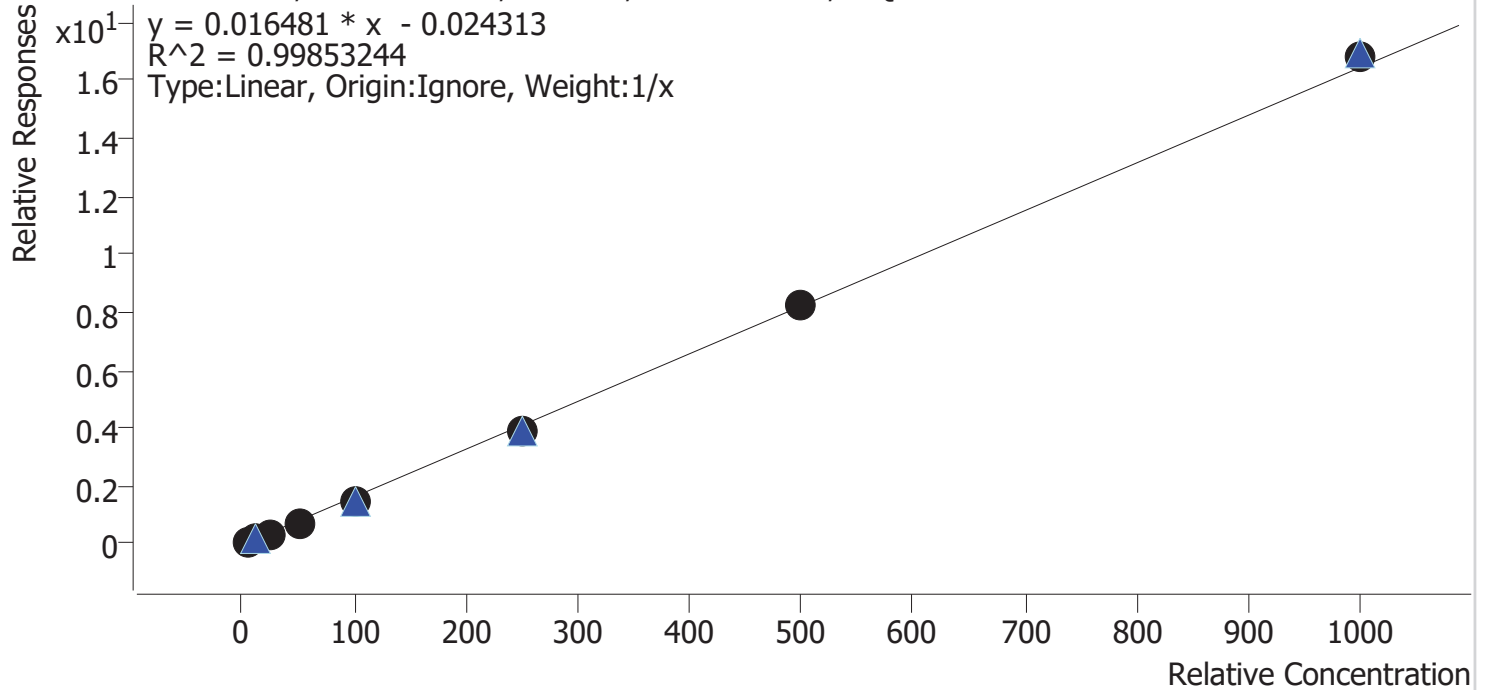
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	52.5	105.1
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	256.3	102.5
cal 7 mdq	7	✓	500.0	481.6	96.3
cal 8 mdq	8	✓	1000.0	920.2	92.0

Compound Calibration Report



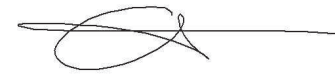
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



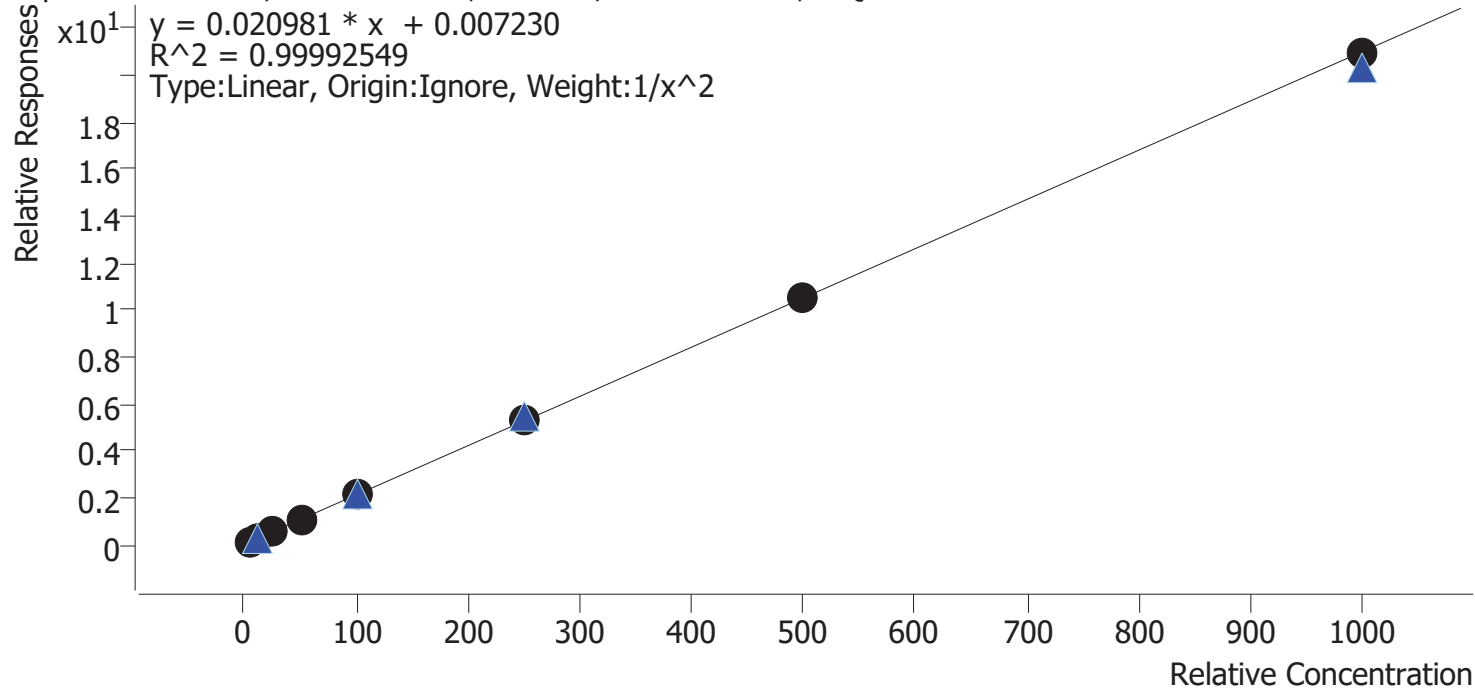
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.1	121.3
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	23.2	92.9
cal 4 mdq	4	✓	50.0	46.6	93.2
cal 5 mdq	5	✓	100.0	94.1	94.1
cal 6 mdq	6	✓	250.0	234.1	93.6
cal 7 mdq	7	✓	500.0	500.3	100.1
cal 8 mdq	8	✓	1000.0	1025.4	102.5

Compound Calibration Report



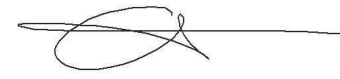
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



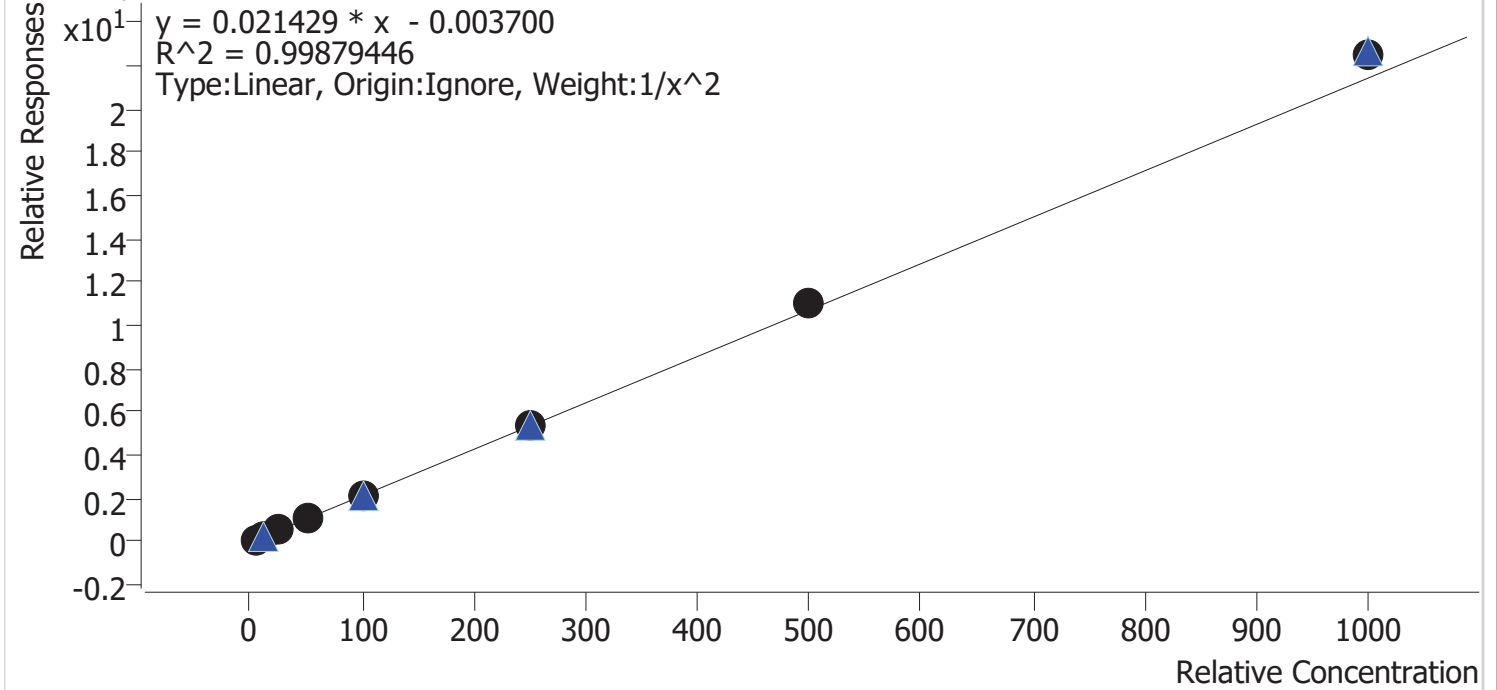
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	502.7	100.5
cal 8 mdq	8	✓	1000.0	996.2	99.6

Compound Calibration Report



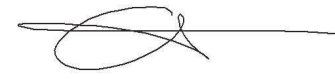
Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

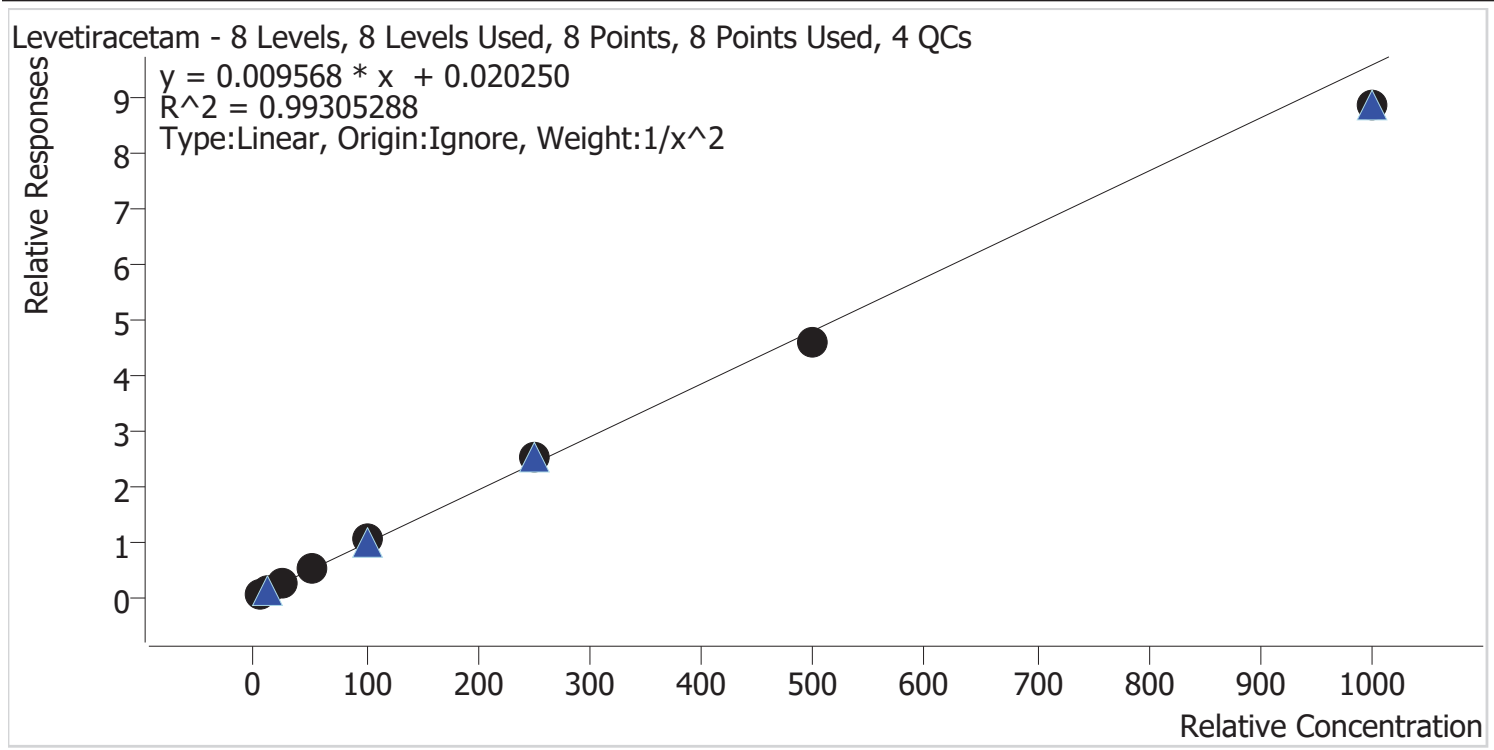


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	24.4	97.4
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	515.7	103.1
cal 8 mdq	8	✓	1000.0	1049.3	104.9

Compound Calibration Report

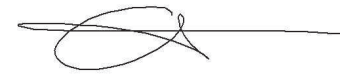


Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Methadone-D9



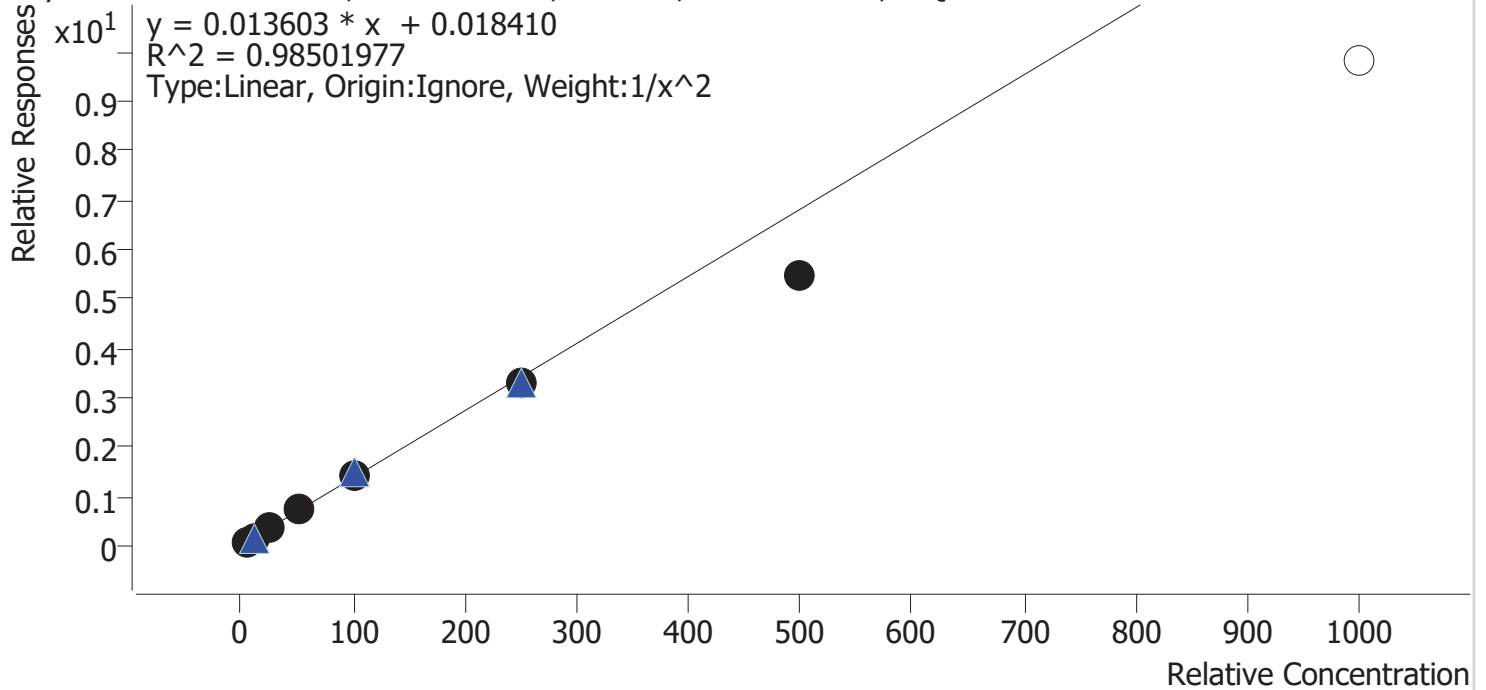
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.8
cal 2 mdq	2	✓	10.0	8.8	87.7
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	52.7	105.5
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdq	6	✓	250.0	262.2	104.9
cal 7 mdq	7	✓	500.0	477.5	95.5
cal 8 mdq	8	✓	1000.0	921.3	92.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Last Cal. Update 3/1/2022 4:01 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.8
cal 2 mdq	2	✓	10.0	10.5	104.6
cal 3 mdq	3	✓	25.0	27.5	110.0
cal 4 mdq	4	✓	50.0	55.0	110.0
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	242.8	97.1
cal 7 mdq	7	✓	500.0	401.7	80.3
cal 8 mdq	8	×	1000.0	719.5	71.9

dropped cal 8 due to accuracy

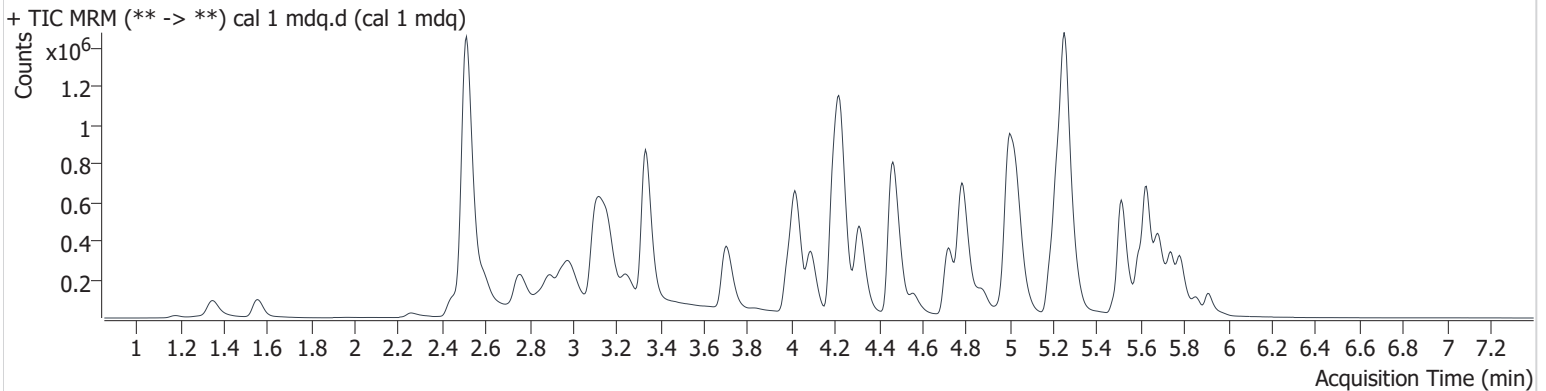


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument 69679 Data File cal 1 mdq.d
Type Cal Sample cal 1 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-A1 Comment
Injection Volume 3
Acq. Date-Time 2/28/2022 3:31:28 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2304	51587.7	126.6	12982.3	119160	0.500 ng/ml
7-aminoclonazepam	4.243	46659	9410.8	75.0	∞	338590	5.040 ng/ml
a-hydroxyalprazolam	5.672	3207	770.0	51.8	50260.5	576289	4.732 ng/ml
alpha-PHP	4.886	109712	250626.1	41.2	1143.1	745978	4.929 ng/ml
alpha-PVP	4.322	143503	3403.2	55.0	6217.0	1230481	5.060 ng/ml
Alprazolam	5.746	46636	1686.5	99.2	∞	316269	5.268 ng/ml
Amphetamine	2.985	130331	579.6	211.5	824.8	745978	4.724 ng/ml
Benzoylcegonine	3.860	2666	144.1	77.0 High	80.3	21809	4.228 ng/ml
Buprenorphine	5.660	4462	9129.9	21.5 High	1185.4	137472	0.747 ng/ml
Bupropion	4.736	128482	17648.8	66.2	1818.8	1103447	4.986 ng/ml
Carisoprodol	5.701	27366	28509.7	60.6	206.6	250661	5.095 ng/ml
Citalopram	5.191	98317	4493.0	38.5	71767.8	868898	5.011 ng/ml
Clonazepam	5.594	19607	∞	40.9	∞	81392	4.693 ng/ml
Clonazepam	5.535	30104	36290.2	39.1	105645.8	81392	5.268 ng/ml
Cocaine	4.226	101739	13455.5	52.3	40312.5	1788406	5.063 ng/ml
Codeine	2.526	13711	39775.9	98.5	15430.8	114398	4.581 ng/ml
Cyclobenzaprine	5.596	95049	5738.0	8.1	27427.8	649955	4.968 ng/ml
Dextromethorphan	5.229	67024	60844.4	76.3	181611.3	656619	5.062 ng/ml
Dextrophan	4.094	85707	4690.5	44.8	∞	873063	5.064 ng/ml
Diazepam	5.919	28275	∞	83.4	741.1	266796	5.007 ng/ml
Dihydrocodeine	2.485	34273	11113.8	61.8	589.9	413408	4.741 ng/ml
Diphenhydramine	5.256	293034	28554.7	33.2	9945.9	3350005	5.092 ng/ml
Doxylamine	4.480	312134	34759.8	79.8	117723.1	2451969	4.997 ng/ml
EDDP	5.224	138120	256860.9	43.0	1870.4	1455663	5.082 ng/ml
Etizolam	5.781	26441	54803.3	25.5	17472.8	266796	5.025 ng/ml
Fentanyl	5.050	9667	1178.0	103.4	∞	1022338	0.526 ng/ml
Flualprazolam	5.682	22511	∞	92.6	38491.1	316269	4.943 ng/ml
Fluoxetine	5.683	69711	47927.5	6.8	4427.8	521878	5.045 ng/ml
Hydrocodone	2.977	47671	369.9	38.9	3834.7	545870	4.663 ng/ml
Hydromorphone	1.562	38334	2059.7	77.2	4800.4	271951	4.977 ng/ml
Ketamine	4.007	94928	12008.9	37.1	852.4	895266	4.941 ng/ml
Lamotrigine	4.249	8823	35119.8	93.9	35638.7	576289	5.336 ng/ml
Levetiracetam	2.594	101171	2493.4	221.4	6848.3	1437520	5.239 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	11153	∞	46.4	709.5	185060	5.248 ng/ml
MDA	3.158	140803	17693.0	28.9	6282982241 0007.5	811131	4.819 ng/ml
MDMA	3.250	91823	58818.0	95.8	12223.4	206501	4.977 ng/ml
Meprobamate	4.892	29034	∞	30.3	693.2	250661	5.049 ng/ml
Methadone	5.625	156058	∞	58.3	∞	1437520	5.122 ng/ml
Methamphetamine	3.170	321060	53.6	41.8	99.1	1669047	4.856 ng/ml
Metoprolol	4.289	22092	∞	97.5	∞	811131	5.178 ng/ml
Mirtazapine	4.564	189928	47055.7	49.1	455427.4	1437520	5.100 ng/ml
Mitragynine	5.179	35729	54779.4	34.4	21855.8	26800	4.746 ng/ml
Morphine	1.186	4461	2139.9	22.9	492.8	10019	4.903 ng/ml
Norbuprenorphine	4.961	698	3049.9	93.8	1232.0	26800	0.288 ng/ml
Nordiazepam	5.862	24317	∞	60.9	∞	164789	4.954 ng/ml
Norfentanyl	4.048	7335	878.2	37.2	7831.1	1644531	0.529 ng/ml
Norhydrocodone	3.029	2591	234.5	26.6	84.9	124607	5.653 ng/ml
Noroxycodone	2.869	35419	∞	49.6	∞	275804	4.917 ng/ml
O-desmethyl-tramadol	3.337	217460	45297.4	6.5	828.1	2373651	5.051 ng/ml
Oxazepam	5.726	22735	1348.0	72.8	∞	185060	4.974 ng/ml
Oxycodone	2.781	97639	∞	30.2	∞	892105	4.944 ng/ml
Oxymorphone	1.354	53961	∞	46.6	∞	359102	4.976 ng/ml
Phentermine	3.740	44682	∞	8.0	95.0	1113269	4.777 ng/ml
Promethazine	5.517	150103	297786.0	40.0	1046.1	1490524	5.196 ng/ml
Pseudoephedrine	2.524	511216	6842.2	24.0	2990.7	4857872	5.084 ng/ml
Quetiapine	5.498	86590	381178.5	64.5	∞	270973	4.795 ng/ml
Sertraline	5.746	24065	∞	96.3	6891.1	213629	4.929 ng/ml
Temazepam	5.788	59794	1398.3	27.8	685.4	576289	6.086 ng/ml
Tramadol	4.207	240236	33536.0	3.6	342.8	2349389	4.876 ng/ml
Trazodone	5.029	118602	714742.8	82.2	∞	975844	4.900 ng/ml
Venlafaxine	5.005	166241	11659.2	36.9	1589.8	2197758	6.065 ng/ml
Zolpidem	4.801	229986	17282.9	29.0	25513.4	2064272	4.966 ng/ml

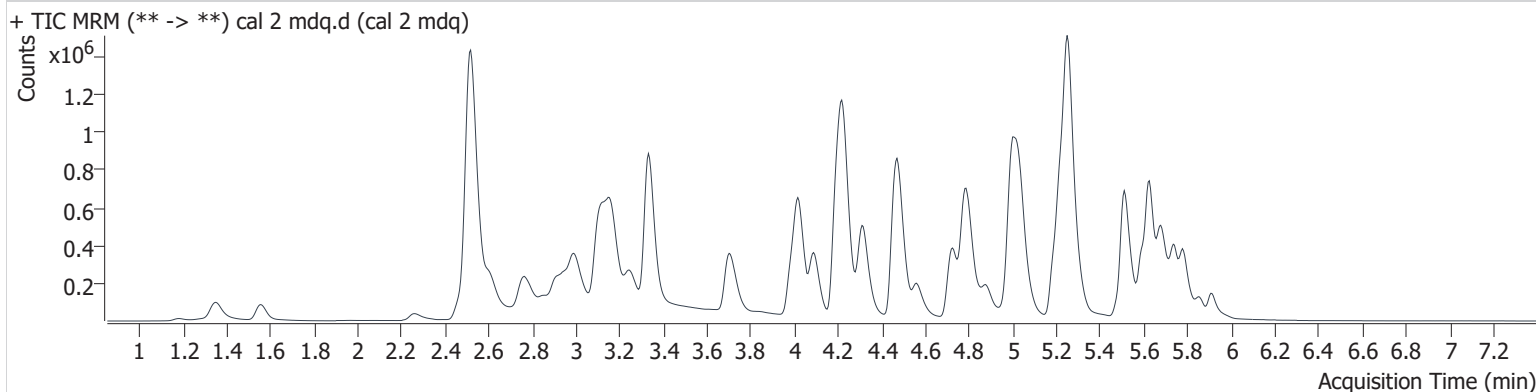


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument 69679 **Data File** cal 2 mdq.d
Type Cal **Sample** cal 2 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-B1 **Comment**
Injection Volume 3
Acq. Date-Time 2/28/2022 3:40:31 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	3979	11491.4	136.6	∞	110265	0.986 ng/ml
7-aminoclonazepam	4.243	81248	3809.5	72.6	6279.0	295209	9.958 ng/ml
a-hydroxyalprazolam	5.666	7294	∞	61.3	∞	593493	10.935 ng/ml
alpha-PHP	4.886	194528	10341.3	40.2	2172.4	690382	10.130 ng/ml
alpha-PVP	4.322	265578	132067.5	53.6	5963.2	1126067	9.964 ng/ml
Alprazolam	5.746	89778	∞	98.9	5367.4	309062	9.994 ng/ml
Amphetamine	2.996	224182	692.8	216.2	3224.7	690382	10.678 ng/ml
Benzoylcegonine	3.866	4411	∞	62.5	90.6	16654	10.021 ng/ml
Buprenorphine	5.660	7078	∞	16.0	∞	124454	1.116 ng/ml
Bupropion	4.741	240077	15084.2	67.5	3480.9	1039923	10.067 ng/ml
Carisoprodol	5.701	53110	73333.8	64.1	988.0	251032	9.812 ng/ml
Citalopram	5.191	179483	7796.1	38.7	114798.6	806806	9.939 ng/ml
Clonazepam	5.594	41885	115152.8	38.8	193196.9	81020	10.755 ng/ml
Clonazepam	5.535	58088	65855.9	42.1	∞	81020	9.797 ng/ml
Cocaine	4.226	183030	444572.6	51.4	41997.2	1642852	9.834 ng/ml
Codeine	2.532	26465	∞	92.2	∞	106872	11.077 ng/ml
Cyclobenzaprine	5.596	188318	5428.9	8.5	2477.7	630981	10.169 ng/ml
Dextromethorphan	5.229	127271	2738.0	73.6	3227.1	608701	10.128 ng/ml
Dextrophan	4.094	159545	∞	44.7	176833.8	817494	9.918 ng/ml
Diazepam	5.914	56332	6787.4	83.8	5367.4	272900	10.003 ng/ml
Dihydrocodeine	2.500	60820	2029.4	63.1	1020.7	378610	10.456 ng/ml
Diphenhydramine	5.256	545573	12023.2	33.3	7688.9	3100633	9.898 ng/ml
Doxylamine	4.486	570028	96648.0	80.3	88052.6	2264593	9.988 ng/ml
EDDP	5.224	231471	∞	42.5	70418.4	1243234	9.817 ng/ml
Etizolam	5.781	49445	∞	24.4	13239.7	272900	9.831 ng/ml
Fentanyl	5.050	18367	9942.2	109.6	8389.5	1033620	0.949 ng/ml
Flualprazolam	5.677	43715	∞	86.2	∞	309062	10.097 ng/ml
Fluoxetine	5.683	144604	17514.3	7.4	13988.7	556339	9.871 ng/ml
Hydrocodone	2.977	91154	∞	34.2	34937.0	490346	10.876 ng/ml
Hydromorphone	1.562	58493	∞	78.9	738.3	205273	10.016 ng/ml
Ketamine	4.007	172608	∞	37.0	2740.2	831363	10.126 ng/ml
Lamotrigine	4.249	15598	11739.0	92.4	1187306.9	593493	9.094 ng/ml
Levetiracetam	2.610	142779	1516.8	222.9	5446.1	1370880	8.769 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	20620	3094.1	42.8	∞	190994	9.367 ng/ml
MDA	3.158	258951	4025.4	28.8	1722.5	755841	10.376 ng/ml
MDMA	3.250	168192	83843.4	96.8	3214.9	186495	10.066 ng/ml
Meprobamate	4.892	54195	115318.3	29.3	∞	251032	9.640 ng/ml
Methadone	5.625	288255	13641.5	57.8	7762.2	1370880	9.759 ng/ml
Methamphetamine	3.170	458285	62.2	40.0	50.9	1532136	10.257 ng/ml
Metoprolol	4.289	40586	114803.9	95.6	∞	755841	9.605 ng/ml
Mirtazapine	4.564	346245	1067085.8	48.8	10554.5	1370880	9.827 ng/ml
Mitragynine	5.179	65873	64432.6	32.2	4640.0	26436	10.648 ng/ml
Morphine	1.186	7254	10129.6	23.3	1085.5	7842	10.417 ng/ml
Norbuprenorphine	4.961	1539	2226.4	83.0	4194.1	26436	0.980 ng/ml
Nordiazepam	5.862	48009	∞	59.6	243873.1	165458	10.142 ng/ml
Norfentanyl	4.048	12869	646.4	40.2	15528.6	1537742	0.936 ng/ml
Norhydrocodone	3.029	3835	448.7	24.8	280.0	108210	8.516 ng/ml
Noroxycodone	2.869	73230	∞	42.3	∞	265096	10.386 ng/ml
O-desmethyl-tramadol	3.337	403065	480491.9	6.4	3223.9	2221320	9.949 ng/ml
Oxazepam	5.726	46615	1034.3	67.3	1223.3	190994	10.046 ng/ml
Oxycodone	2.786	182787	∞	30.2	3347.3	848431	10.091 ng/ml
Oxymorphone	1.354	100199	∞	46.8	∞	339916	10.000 ng/ml
Phentermine	3.734	82654	703.8	8.6	210.3	1037537	10.436 ng/ml
Promethazine	5.517	276715	325669.6	40.6	13305.3	1440942	9.511 ng/ml
Pseudoephedrine	2.529	921571	12266.2	24.3	56236.4	4446171	9.845 ng/ml
Quetiapine	5.498	168014	∞	61.0	133173.5	265615	10.373 ng/ml
Sertraline	5.746	49280	∞	96.5	23955.8	211549	10.245 ng/ml
Temazepam	5.788	120371	∞	27.6	348.3	593493	10.422 ng/ml
Tramadol	4.207	427824	40923.1	3.8	563.4	2178129	10.221 ng/ml
Trazodone	5.029	228516	198669.2	82.0	275232.7	970987	10.175 ng/ml
Venlafaxine	5.005	296455	66435.4	37.9	1868.5	2053431	10.235 ng/ml
Zolpidem	4.801	423820	∞	27.5	201872.1	1923791	10.156 ng/ml

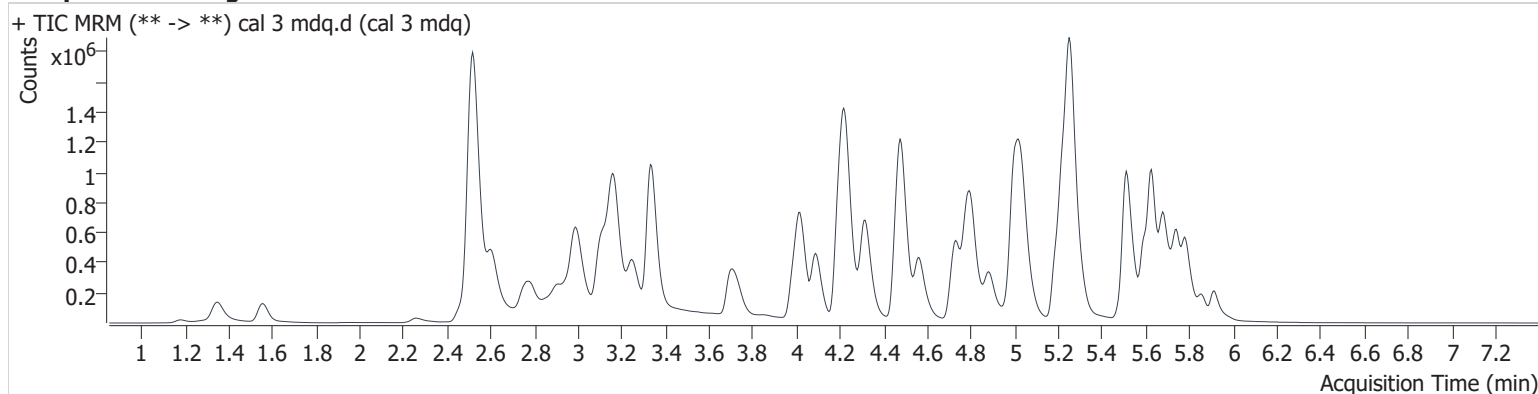


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument 69679 Data File cal 3 mdq.d
Type Cal Sample cal 3 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-C1 Comment
Injection Volume 3
Acq. Date-Time 2/28/2022 3:49:33 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	9848	5423.0	129.3	252185.9	109089	2.558 ng/ml
7-aminoclonazepam	4.243	197978	3094.7	72.0	2745.8	290708	24.482 ng/ml
a-hydroxyalprazolam	5.672	17258	47061.9	65.6	∞	634168	24.700 ng/ml
alpha-PHP	4.886	470679	414976.6	40.4	5805.8	705253	25.021 ng/ml
alpha-PVP	4.322	629881	55188.8	55.1	11592.5	1091113	24.008 ng/ml
Alprazolam	5.746	224575	2067.8	96.7	5768.9	303552	24.840 ng/ml
Amphetamine	2.991	515619	2852.0	217.8	4149.9	705253	26.810 ng/ml
Benzoylcegonine	3.866	11905	∞	53.4	284.6	18372	25.586 ng/ml
Buprenorphine	5.654	20344	18933.4	15.6	25537.8	130745	2.606 ng/ml
Bupropion	4.736	593458	20310.9	68.5	9663.6	1050482	24.901 ng/ml
Carisoprodol	5.706	127728	181981.8	65.4	2650.2	244418	24.138 ng/ml
Citalopram	5.191	438056	5116.5	37.7	7676.9	777128	25.322 ng/ml
Clonazepam	5.594	118160	230160.4	36.6	∞	91200	27.851 ng/ml
Clonazepam	5.535	137411	133943.0	43.8	132959.5	91200	20.100 ng/ml
Cocaine	4.226	441680	143475.3	51.3	46711.9	1573270	24.651 ng/ml
Codeine	2.532	59490	68644.9	98.9	220626.4	106536	26.876 ng/ml
Cyclobenzaprine	5.596	486340	141300.4	8.3	∞	666774	24.895 ng/ml
Dextromethorphan	5.229	309894	13077.4	75.3	218039.1	600184	24.671 ng/ml
Dextrophan	4.094	389504	15545.4	45.1	607051.4	808208	24.266 ng/ml
Diazepam	5.919	144582	2054.4	87.9	91234.5	285289	24.942 ng/ml
Dihydrocodeine	2.495	146806	565.7	63.4	2148.8	374037	27.499 ng/ml
Diphenhydramine	5.261	1306173	29865.2	33.6	59674.6	2981439	24.139 ng/ml
Doxylamine	4.480	1387190	640348.9	80.3	84755.5	2211300	25.055 ng/ml
EDDP	5.224	585157	∞	41.9	∞	1254292	24.356 ng/ml
Etizolam	5.781	125531	∞	24.6	50484.0	285289	24.987 ng/ml
Fentanyl	5.050	46159	9619.5	111.8	57607.7	1027392	2.331 ng/ml
Flualprazolam	5.677	105194	∞	84.4	∞	303552	25.139 ng/ml
Fluoxetine	5.683	403641	238825.0	7.4	55783.9	616467	24.953 ng/ml
Hydrocodone	2.977	220595	∞	38.0	∞	491130	27.471 ng/ml
Hydromorphone	1.562	150777	∞	72.4	∞	205599	25.707 ng/ml
Ketamine	4.002	415600	36760.9	36.4	2213.0	824963	25.239 ng/ml
Lamotrigine	4.249	37783	20152.8	90.2	50525.2	634168	20.500 ng/ml
Levetiracetam	2.605	359296	5834.5	221.3	∞	1357446	25.548 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	52372	∞	52.1	1897.4	193675	23.398 ng/ml
MDA	3.158	601552	11734.8	27.9	879.7	706939	27.088 ng/ml
MDMA	3.250	409496	∞	95.5	11293.9	181240	25.175 ng/ml
Meprobamate	4.892	137717	7874.5	29.1	12645.8	244418	25.586 ng/ml
Methadone	5.631	705763	14049.5	59.4	24201.5	1357446	23.874 ng/ml
Methamphetamine	3.170	928428	228.4	39.9	228.7	1490666	26.635 ng/ml
Metoprolol	4.289	98034	52651.8	98.3	∞	706939	23.821 ng/ml
Mirtazapine	4.564	836816	91984.1	49.5	55112.8	1357446	24.106 ng/ml
Mitragynine	5.179	154222	145639.9	34.1	39079.9	28723	25.306 ng/ml
Morphine	1.181	17072	17617.9	25.7	4642.2	7676	25.345 ng/ml
Norbuprenorphine	4.961	3783	118755.1	80.9	3060.3	28723	2.563 ng/ml
Nordiazepam	5.862	120267	10520.3	61.7	529673.8	173517	24.804 ng/ml
Norfentanyl	4.043	33586	1944.4	37.4	10920.6	1535460	2.345 ng/ml
Norhydrocodone	3.029	9626	542.9	24.3	210.4	101133	20.200 ng/ml
Noroxycodone	2.869	177107	∞	48.0	∞	260984	25.273 ng/ml
O-desmethyl-tramadol	3.337	970791	122660.7	6.6	20437.4	2172783	24.416 ng/ml
Oxazepam	5.726	119739	11229.0	69.0	9006.9	193675	25.703 ng/ml
Oxycodone	2.786	439321	∞	31.9	∞	822263	25.575 ng/ml
Oxymorphone	1.349	243318	∞	46.3	∞	328563	25.496 ng/ml
Phentermine	3.740	196645	∞	8.2	631.6	1011607	26.861 ng/ml
Promethazine	5.517	735992	∞	40.1	16140.1	1492043	23.742 ng/ml
Pseudoephedrine	2.524	2195663	8864.1	24.2	8710.8	4236809	24.357 ng/ml
Quetiapine	5.493	413028	4616504.0	65.0	74528019.2	271618	26.199 ng/ml
Sertraline	5.746	142028	934920.3	98.9	∞	245382	25.530 ng/ml
Temazepam	5.788	320873	8749.0	27.6	5563.8	634168	23.688 ng/ml
Tramadol	4.212	1009414	56893.2	3.7	538.0	2122915	26.064 ng/ml
Trazodone	5.029	558966	126408.0	80.8	479352.6	979565	25.718 ng/ml
Venlafaxine	5.005	720868	95643.0	38.3	14440.9	2011928	23.215 ng/ml
Zolpidem	4.801	1007402	∞	28.1	22734.0	1895821	24.983 ng/ml

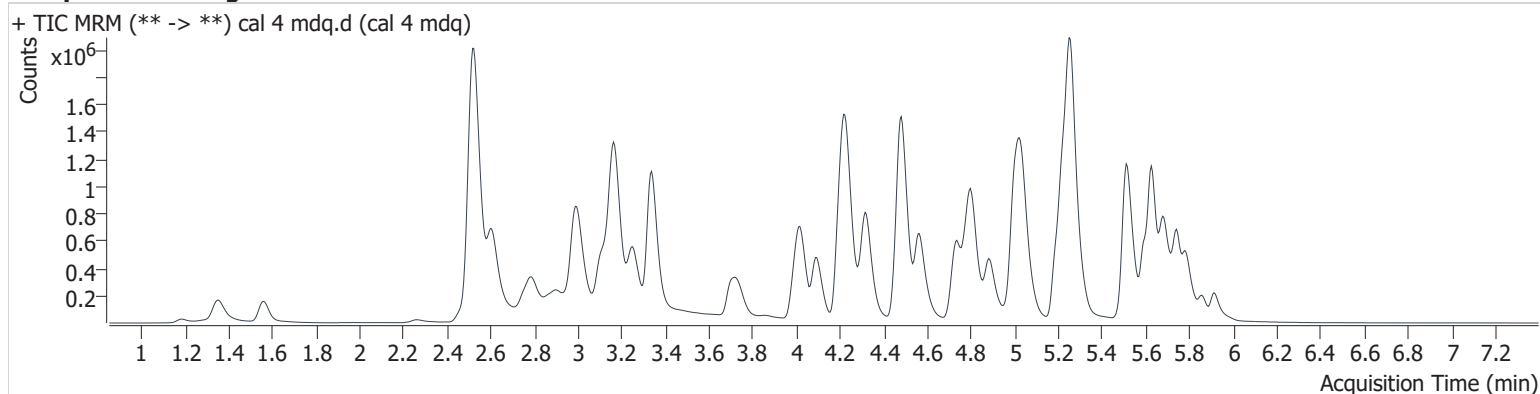


AM #28 Multi-Drug Quant. Results

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Calibration Last Update 3/1/2022 4:01:00 PM

Instrument 69679 **Data File** cal 4 mdq.d
Type Cal **Sample** cal 4 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-D1 **Comment**
Injection Volume 3
Acq. Date-Time 2/28/2022 3:58:35 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	15365	∞	134.4	∞	86453	5.094 ng/ml
7-aminoclonazepam	4.243	299341	6674.2	72.6	19287.4	219182	48.989 ng/ml
a-hydroxyalprazolam	5.672	22431	796.7	58.0	∞	377822	54.358 ng/ml
alpha-PHP	4.886	748129	39821.3	40.4	10256.6	546090	52.153 ng/ml
alpha-PVP	4.322	1015954	117139.6	54.2	14242.0	852680	49.270 ng/ml
Alprazolam	5.746	316018	3090.2	99.5	3621.2	218847	48.107 ng/ml
Amphetamine	2.996	792254	4657.4	221.0	∞	546090	55.377 ng/ml
Benzoylcegonine	3.866	16477	39603.3	62.8	1539.0	13838	47.632 ng/ml
Buprenorphine	5.660	29138	5918.1	15.2	188577.7	96313	4.823 ng/ml
Bupropion	4.741	892567	24973.8	67.1	15011.1	787286	50.157 ng/ml
Carisoprodol	5.706	179702	767927.5	65.0	2669.1	171452	48.346 ng/ml
Citalopram	5.196	681723	27354.7	38.8	8616.8	619681	49.507 ng/ml
Clonazepam	5.594	134134	796888.0	38.1	∞	54667	53.278 ng/ml
Clonazepam	5.535	192078	∞	41.7	∞	54667	46.285 ng/ml
Cocaine	4.226	698057	141466.7	50.4	79748.6	1247236	49.060 ng/ml
Codeine	2.532	93152	928167.5	95.0	10467.5	81282	56.749 ng/ml
Cyclobenzaprine	5.596	732395	175017.1	8.5	2585.2	508136	49.222 ng/ml
Dextromethorphan	5.229	488338	∞	76.7	542806.3	471062	49.302 ng/ml
Dextrophan	4.094	597786	33801.5	43.9	298415.6	611478	49.068 ng/ml
Diazepam	5.919	202590	2948.6	87.3	18316.4	201705	49.692 ng/ml
Dihydrocodeine	2.500	229196	2816.7	63.4	1435.5	299104	54.977 ng/ml
Diphenhydramine	5.261	2070266	64081.3	33.3	31846.8	2399137	47.216 ng/ml
Doxylamine	4.486	2180576	42946.9	81.7	659935.0	1740245	50.155 ng/ml
EDDP	5.224	901487	24448.5	42.7	352805.1	957550	48.985 ng/ml
Etizolam	5.781	176766	∞	25.5	∞	201705	50.538 ng/ml
Fentanyl	5.050	72810	6434.2	114.2	135097.8	832363	4.496 ng/ml
Flualprazolam	5.682	153366	3635.5	92.0	∞	218847	51.122 ng/ml
Fluoxetine	5.683	558503	74513.6	7.3	84652.0	432243	49.297 ng/ml
Hydrocodone	2.977	312354	∞	40.1	∞	374630	51.715 ng/ml
Hydromorphone	1.562	233838	∞	70.6	4650870091 343010.0	166848	49.088 ng/ml
Ketamine	4.007	652142	56358.8	37.5	45767.9	642901	51.296 ng/ml
Lamotrigine	4.254	58831	65499.9	88.0	18021.2	377822	53.431 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.610	565383	6679.0	222.3	37601.9	1077297	52.737 ng/ml
Lorazepam	5.719	64164	∞	53.0	∞	117171	47.340 ng/ml
MDA	3.158	914648	21594.2	27.9	2352.0	574231	51.480 ng/ml
MDMA	3.250	653634	∞	95.7	14609.5	147548	49.332 ng/ml
Meprobamate	4.892	190644	214391.5	29.5	8176.9	171452	50.752 ng/ml
Methadone	5.631	1140693	202944.8	56.1	94535.7	1077297	48.442 ng/ml
Methamphetamine	3.170	1401801	215.5	39.8	515.1	1222133	53.156 ng/ml
Metoprolol	4.289	155572	7428286.6	97.3	∞	574231	45.946 ng/ml
Mirtazapine	4.564	1307242	214440.1	49.1	974707.9	1077297	47.533 ng/ml
Mitragynine	5.179	243002	177623.5	34.6	57005.0	21143	56.502 ng/ml
Morphine	1.186	28368	9244.9	24.4	2731.5	6870	47.234 ng/ml
Norbuprenorphine	4.966	5089	3365.2	99.4	23685.0	21143	4.908 ng/ml
Nordiazepam	5.862	170882	∞	59.9	∞	119225	51.736 ng/ml
Norfentanyl	4.048	51163	3929.3	36.6	64554.0	1207372	4.484 ng/ml
Norhydrocodone	3.034	15911	969.0	25.1	247.3	77307	41.834 ng/ml
Noroxycodone	2.869	261909	∞	48.5	∞	201088	48.354 ng/ml
O-desmethyl-tramadol	3.337	1551889	244163.2	6.6	53326.6	1727600	49.033 ng/ml
Oxazepam	5.726	137839	56708.8	71.6	6463.6	117171	49.059 ng/ml
Oxycodone	2.786	703929	∞	31.7	∞	667136	50.869 ng/ml
Oxymorphone	1.354	382433	∞	47.0	∞	262690	50.361 ng/ml
Phentermine	3.740	320585	497.5	7.6	672.5	828597	54.423 ng/ml
Promethazine	5.517	1132777	185103.3	40.1	26075.9	1127166	47.915 ng/ml
Pseudoephedrine	2.524	3530621	∞	24.2	7108.0	3408612	48.509 ng/ml
Quetiapine	5.498	641456	∞	63.2	885370.7	205427	54.747 ng/ml
Sertraline	5.746	192818	573394.5	99.6	∞	172673	49.300 ng/ml
Temazepam	5.788	381747	3564.1	28.3	1812.9	377822	45.763 ng/ml
Tramadol	4.212	1606958	68188.8	3.7	729.7	1711263	52.379 ng/ml
Trazodone	5.029	898901	13876.9	81.3	79346.7	782053	52.549 ng/ml
Venlafaxine	5.005	1186405	52814.2	37.3	6292.4	1595710	46.588 ng/ml
Zolpidem	4.806	1579601	56169.4	28.4	∞	1504695	49.691 ng/ml

AM #28 Multi-Drug Quant. Results

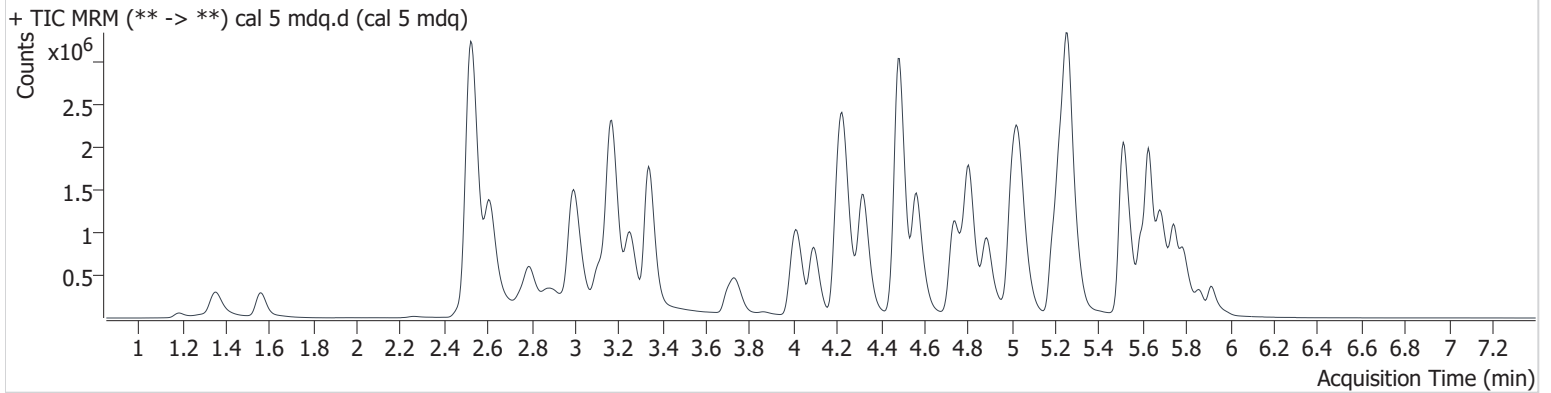


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Instrument 69679
Type Cal
Acq. Method mdqp1 1-21-21long.m
Sample Position P2-E1
Injection Volume 3
Acq. Date-Time 2/28/2022 4:07:37 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	34523	∞	135.4	∞	99580	9.994 ng/ml
7-aminoclonazepam	4.243	578604	19704.2	75.2	7659.3	209771	98.831 ng/ml
a-hydroxyalprazolam	5.672	39679	∞	53.9	2995.0	345943	105.390 ng/ml
alpha-PHP	4.886	1659880	122194.2	40.7	27933.0	593184	107.308 ng/ml
alpha-PVP	4.322	2253510	104143.2	53.5	31390.7	960304	96.784 ng/ml
Alprazolam	5.746	639293	6034.9	98.7	14875.7	213317	99.416 ng/ml
Amphetamine	2.996	1525263	∞	223.3	8123.2	593184	99.858 ng/ml
Benzoylecgonine	3.866	38077	4664256.0	57.8	1499.4	15916	96.452 ng/ml
Buprenorphine	5.654	60516	∞	15.0	10926.9	106644	8.821 ng/ml
Bupropion	4.741	2017803	41487.2	66.9	31938.6	902559	99.085 ng/ml
Carisoprodol	5.701	344298	1188362.0	63.0	10545.4	157596	100.699 ng/ml
Citalopram	5.191	1411944	12183.8	38.1	332015.3	649450	97.924 ng/ml
Clonazepam	5.594	237592	7724.6	35.6	388316.0	47756	108.642 ng/ml
Clonazepam	5.535	382971	186577.9	42.4	208266.5	47756	105.073 ng/ml
Cocaine	4.226	1502235	88212.2	50.9	42989.9	1314832	100.062 ng/ml
Codeine	2.537	183581	26348.7	95.5	∞	85193	108.038 ng/ml
Cyclobenzaprine	5.596	1524533	68634.6	8.2	42781.4	513634	101.394 ng/ml
Dextromethorphan	5.229	1021847	29623.0	74.2	∞	490547	98.835 ng/ml
Dextrophan	4.094	1331666	666165.2	45.1	202189.6	688286	96.959 ng/ml
Diazepam	5.919	428183	3312.3	87.5	40409.5	212890	99.774 ng/ml
Dihydrocodeine	2.500	482906	7189.7	63.9	5527.5	339444	103.227 ng/ml
Diphenhydramine	5.261	4466311	77780.0	33.2	64961.5	2539355	95.884 ng/ml
Doxylamine	4.486	5079307	680835.6	80.9	471962.3	2039755	99.782 ng/ml
EDDP	5.224	1923171	99401.7	41.8	∞	1010924	98.819 ng/ml
Etizolam	5.781	389537	∞	24.4	∞	212890	106.365 ng/ml
Fentanyl	5.050	163820	4884.9	114.3	∞	895394	9.355 ng/ml
Flualprazolam	5.682	310535	7318.3	85.3	10180.1	213317	106.493 ng/ml
Fluoxetine	5.683	1075435	51142.0	7.4	120239.2	417848	98.252 ng/ml
Hydrocodone	2.977	663946	∞	37.5	∞	394149	105.341 ng/ml
Hydromorphone	1.562	535189	∞	75.1	∞	187006	100.192 ng/ml
Ketamine	4.007	1454278	119181.7	36.7	3584.2	719237	102.717 ng/ml
Lamotrigine	4.254	116532	25860.1	89.7	∞	345943	115.482 ng/ml
Levetiracetam	2.610	1240317	23035.8	222.0	64493.5	1184396	107.337 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	101046	∞	49.4	5023.8	89638	97.404 ng/ml
MDA	3.158	1669923	31756.2	28.2	11963.1	543469	100.136 ng/ml
MDMA	3.250	1403123	93325.2	95.4	46959.3	153805	101.561 ng/ml
Meprobamate	4.892	361201	426864.4	30.2	1612.8	157596	104.893 ng/ml
Methadone	5.631	2547189	115444.0	56.0	16076.9	1184396	98.211 ng/ml
Methamphetamine	3.170	2856503	374.0	40.0	283.0	1415440	97.228 ng/ml
Metoprolol	4.289	323615	∞	99.0	∞	543469	100.240 ng/ml
Mirtazapine	4.564	3036508	678689.2	48.3	181073.9	1184396	100.520 ng/ml
Mitragynine	5.185	517430	359587.1	32.3	6937.4	23745	108.957 ng/ml
Morphine	1.186	65846	47171.8	24.6	29529.4	7343	102.822 ng/ml
Norbuprenorphine	4.966	10974	14612.9	100.8	27077.0	23745	9.675 ng/ml
Nordiazepam	5.868	335110	∞	61.7	∞	120528	100.751 ng/ml
Norfentanyl	4.048	112647	3548.7	37.0	496480.1	1285873	9.201 ng/ml
Norhydrocodone	3.039	34981	2480.1	26.2	298.7	77451	89.911 ng/ml
Noroxycodone	2.874	541596	∞	48.8	∞	209811	95.670 ng/ml
O-desmethyl-tramadol	3.343	3471060	499803.6	6.4	21070.8	1954046	96.906 ng/ml
Oxazepam	5.726	213842	55873.9	67.7	∞	89638	99.657 ng/ml
Oxycodone	2.791	1588396	∞	31.0	∞	760595	101.042 ng/ml
Oxymorphone	1.354	860953	∞	46.7	∞	298428	100.041 ng/ml
Phentermine	3.740	662371	1025.5	7.2	4955.2	913479	102.845 ng/ml
Promethazine	5.517	2508809	103095.6	38.9	61651.6	1227503	96.992 ng/ml
Pseudoephedrine	2.531	7529488	31674.8	23.9	26689.3	3626572	97.061 ng/ml
Quetiapine	5.498	1377977	∞	63.6	1124032.6	224124	108.667 ng/ml
Sertraline	5.746	378922	964867.9	103.2	20077.2	171352	97.678 ng/ml
Temazepam	5.788	723184	23238.2	27.5	3310.8	345943	93.030 ng/ml
Tramadol	4.212	3449608	860065.2	3.7	1160.4	1897462	102.276 ng/ml
Trazodone	5.029	1889117	83403.3	81.5	21684.5	857174	101.431 ng/ml
Venlafaxine	5.005	2660368	185926.9	37.5	27521.2	1743323	94.070 ng/ml
Zolpidem	4.806	3563919	1865923.0	27.9	∞	1700444	99.552 ng/ml

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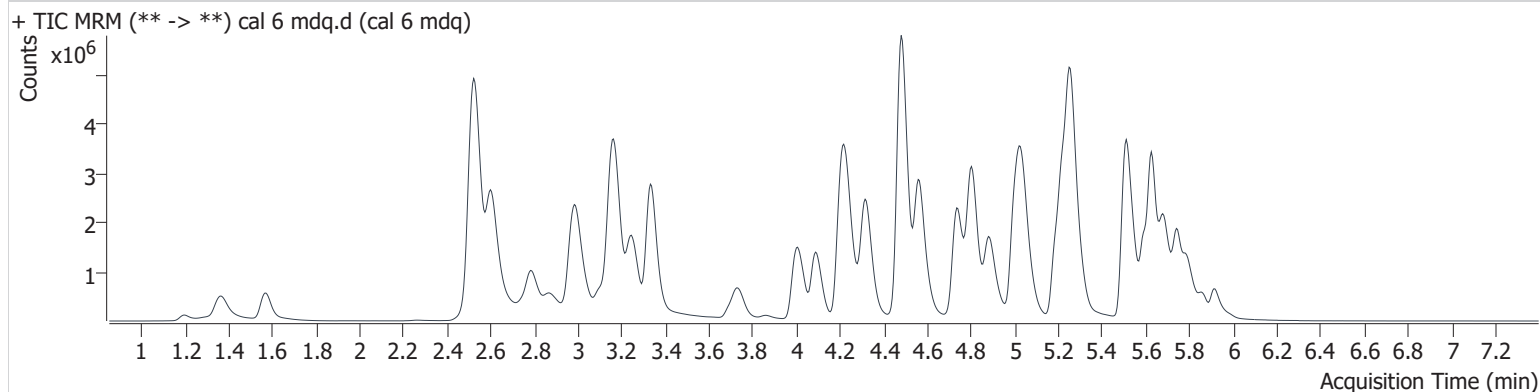
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F1	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 4:16:39 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	74432	∞	132.7	64191.6	83558	25.774 ng/ml
7-aminoclonazepam	4.243	931416	12881.0	75.6	14919.6	127230	262.129 ng/ml
a-hydroxyalprazolam	5.666	68060	∞	57.3	608.3	268919	233.029 ng/ml
alpha-PHP	4.886	3363620	544298.0	40.4	46353.2	510289	253.794 ng/ml
alpha-PVP	4.324	4559335	179071.9	52.5	79075.1	740291	253.581 ng/ml
Alprazolam	5.746	1219799	5106.1	98.7	20859.5	160605	251.340 ng/ml
Amphetamine	2.991	2628028	17107.6	222.1	19837.6	510289	202.222 ng/ml
Benzoylcegonine	3.860	97358	851706.5	56.5	1429.1	15456	255.145 ng/ml
Buprenorphine	5.660	132719	771852.9	13.9	8290.2	82581	24.512 ng/ml
Bupropion	4.741	4472659	157667.9	66.8	72948.7	782722	253.543 ng/ml
Carisoprodol	5.706	606615	867601.4	64.4	16026.6	114074	245.015 ng/ml
Citalopram	5.191	2662443	242154.8	39.1	43380.8	470040	255.277 ng/ml
Clonazepam	5.594	445018	1220083.0	36.5	∞	39288	248.105 ng/ml
Clonazepam	5.540	693002	16860.4	41.5	∞	39288	230.579 ng/ml
Cocaine	4.226	2826553	170160.4	50.8	878106.2	991063	249.652 ng/ml
Codeine	2.526	315299	33304.7	97.7	64847.9	65809	242.060 ng/ml
Cyclobenzaprine	5.596	3149914	126786.2	8.2	7302.5	438087	245.664 ng/ml
Dextromethorphan	5.229	1874332	73871.6	75.2	1843176.0	357666	248.293 ng/ml
Dextrophan	4.088	2794511	471706.4	44.4	165050.9	560106	249.792 ng/ml
Diazepam	5.919	925190	4381412332 849300.0	88.0	22942.3	189510	242.560 ng/ml
Dihydrocodeine	2.490	947516	7502.0	63.6	3425.7	285308	242.780 ng/ml
Diphenhydramine	5.261	8845823	291003.8	31.7	79279.6	1882914	255.544 ng/ml
Doxylamine	4.480	10674774	622957.8	81.9	241930.9	1646425	259.977 ng/ml
EDDP	5.224	3831549	586573.1	41.0	707371.4	793597	250.545 ng/ml
Etizolam	5.781	776318	33715.5	25.5	10514.4	189510	239.093 ng/ml
Fentanyl	5.050	345316	222643.5	113.9	∞	706397	24.921 ng/ml
Flualprazolam	5.677	574161	8661.7	86.4	4765.3	160605	261.928 ng/ml
Fluoxetine	5.683	2282667	193855.6	7.4	131599.8	353477	246.609 ng/ml
Hydrocodone	2.972	1258329	∞	38.8	∞	332136	237.974 ng/ml
Hydromorphone	1.572	1166771	∞	76.0	4268467576 38305.0	164576	248.132 ng/ml
Ketamine	4.002	2955312	244930.9	36.6	9566.4	601487	250.270 ng/ml
Lamotrigine	4.254	189047	∞	91.5	155095.0	268919	240.903 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.605	2478664	163191.9	221.3	54860.2	980158	262.195 ng/ml
Lorazepam	5.719	150721	∞	50.5	16969.2	52865	246.288 ng/ml
MDA	3.148	2535789	212280.3	27.6	9617.5	375682	221.032 ng/ml
MDMA	3.245	2731994	512092.3	95.1	1004073.2	117575	258.639 ng/ml
Meprobamate	4.892	634813	∞	29.2	3301.8	114074	255.062 ng/ml
Methadone	5.625	5346020	457896.7	55.1	164403.1	980158	248.809 ng/ml
Methamphetamine	3.165	5474941	863.5	38.6	649.6	1201814	225.609 ng/ml
Metoprolol	4.289	577104	387028.5	99.8	∞	375682	257.613 ng/ml
Mirtazapine	4.567	6140297	225618.6	49.1	453557.8	980158	245.745 ng/ml
Mitragynine	5.179	1013080	26139.6	35.1	241499.1	20339	251.690 ng/ml
Morphine	1.196	140790	9151.6	27.1	2890.7	6432	251.331 ng/ml
Norbuprenorphine	4.961	24679	159900.1	87.5	56551.0	20339	25.845 ng/ml
Nordiazepam	5.868	654777	∞	60.2	∞	95222	249.786 ng/ml
Norfentanyl	4.043	234379	16481.5	37.5	∞	1021163	24.005 ng/ml
Norhydrocodone	3.024	75504	2036.6	29.7	3359.9	59329	250.460 ng/ml
Noroxycodone	2.864	1026443	∞	47.1	∞	147662	257.349 ng/ml
O-desmethyl-tramadol	3.337	7180736	696442.8	6.3	25260.9	1566949	249.911 ng/ml
Oxazepam	5.726	312596	∞	69.8	8224.3	52865	247.262 ng/ml
Oxycodone	2.781	3205914	∞	31.1	∞	621603	250.081 ng/ml
Oxymorphone	1.364	1732511	∞	46.5	∞	238138	252.658 ng/ml
Phentermine	3.734	1248290	2873.3	7.1	2833.0	745987	238.603 ng/ml
Promethazine	5.517	5515849	246819.1	37.9	87976.9	1041797	250.559 ng/ml
Pseudoephedrine	2.524	14294355	∞	23.6	∞	2662400	250.723 ng/ml
Quetiapine	5.493	2748895	∞	64.0	∞	188341	259.199 ng/ml
Sertraline	5.746	870750	∞	100.9	28716.3	150996	254.798 ng/ml
Temazepam	5.793	1408110	35950.5	28.2	5567.7	268919	230.693 ng/ml
Tramadol	4.207	6751895	1290853.6	3.5	8253.9	1495817	255.315 ng/ml
Trazodone	5.029	3711945	14221.0	82.1	5946.7	669448	256.304 ng/ml
Venlafaxine	5.005	5312702	304838.2	37.1	39737.1	1385751	234.098 ng/ml
Zolpidem	4.807	7362536	448315.7	28.1	412243.1	1400294	250.261 ng/ml

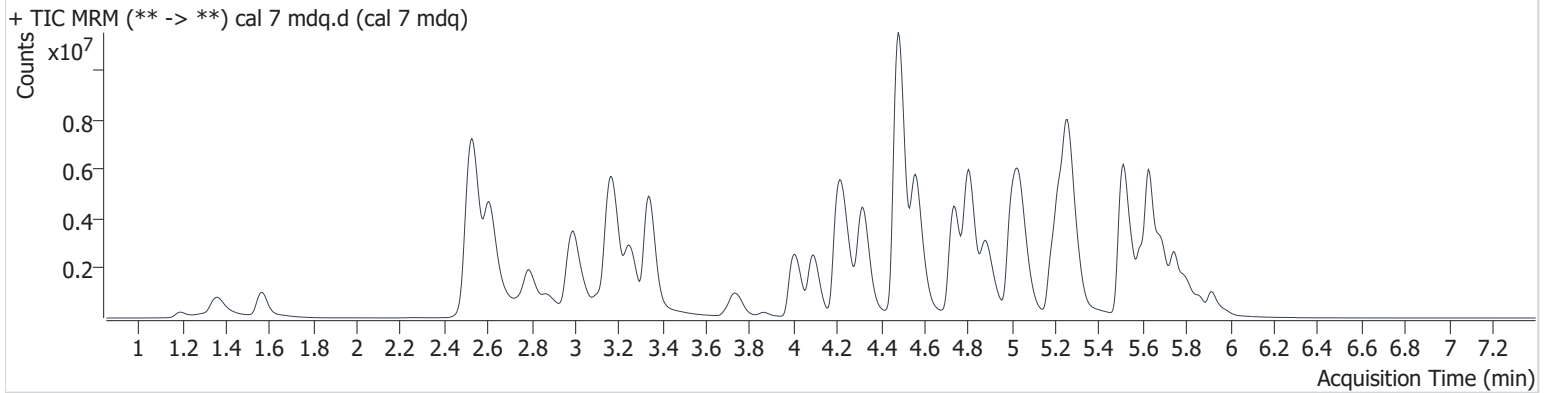
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\am 27-28\022822\QuantResults\mdq.batch.bin
Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G1	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 4:25:42 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	158418	∞	130.5	∞	94187	48.720 ng/ml
7-aminoclonazepam	4.248	992490	19904.5	78.6	44265.9	71496	496.959 ng/ml
a-hydroxyalprazolam	5.666	83222	6689.7	61.8	359.2	164646	465.801 ng/ml
alpha-PHP	4.886	6861656	∞	40.4	245649.8	528308	500.801 ng/ml
alpha-PVP	4.322	9401390	557924.3	53.1	395376.1	754591	512.709 ng/ml
Alprazolam	5.746	2038842	4111.2	96.5	2593.0	137373	490.774 ng/ml
Amphetamine	2.996	4016917	∞	221.0	∞	528308	299.606 ng/ml
Benzoylcegonine	3.866	244952	843360.8	57.6	13728.4	19287	515.198 ng/ml
Buprenorphine	5.654	232850	988731.7	15.4	27010.5	70857	49.853 ng/ml
Bupropion	4.736	9491970	428543.1	63.9	105136.5	831492	506.698 ng/ml
Carisoprodol	5.706	924778	1182523.2	61.7	∞	82465	516.618 ng/ml
Citalopram	5.191	4304122	133915.0	39.3	92449.3	389951	497.524 ng/ml
Clonazepam	5.594	456658	∞	34.9	135814.2	20608	485.949 ng/ml
Clonazepam	5.546	928705	∞	39.8	∞	20608	588.421 ng/ml
Cocaine	4.229	5234997	1130004.8	50.4	361207.0	891388	513.986 ng/ml
Codeine	2.537	522577	∞	93.6	16962.8	59221	447.093 ng/ml
Cyclobenzaprine	5.596	5215294	130953.8	8.0	8133.6	360288	494.605 ng/ml
Dextromethorphan	5.229	3109554	82603.2	74.5	170814.3	285002	516.698 ng/ml
Dextrorphan	4.094	5836952	13763437.2	44.1	310428.8	570051	512.483 ng/ml
Diazepam	5.919	1743965	∞	87.7	11508.7	169487	511.528 ng/ml
Dihydrocodeine	2.490	1778686	5804.6	64.0	12808.6	324428	401.675 ng/ml
Diphenhydramine	5.261	16248239	441635.9	31.3	367718.7	1676267	526.894 ng/ml
Doxylamine	4.480	23139836	∞	84.9	313359.9	1865190	497.558 ng/ml
EDDP	5.224	8118584	839314.4	41.9	585036.4	825694	510.070 ng/ml
Etizolam	5.781	1511962	56999.2	25.1	1050388.6	169487	521.587 ng/ml
Fentanyl	5.056	701232	93015.7	119.6	∞	656737	54.381 ng/ml
Flualprazolam	5.682	883692	∞	87.1	8590.7	137373	471.531 ng/ml
Fluoxetine	5.683	3085376	101364.4	7.2	97074.4	230256	511.772 ng/ml
Hydrocodone	2.977	2611196	∞	40.1	3144524743 9889.1	357988	458.944 ng/ml
Hydromorphone	1.567	2356143	∞	75.8	∞	164632	500.856 ng/ml
Ketamine	4.002	6070591	400306.0	36.4	20688.5	629757	491.463 ng/ml
Lamotrigine	4.254	251718	38057.6	90.9	842090.5	164646	523.802 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.615	4463723	108724.4	223.5	142031.6	972652	477.544 ng/ml
Lorazepam	5.719	172059	∞	53.3	∞	25368	585.845 ng/ml
MDA	3.143	3273271	66239.9	27.7	11446.4	289412	370.964 ng/ml
MDMA	3.250	4967524	469804.6	94.9	140906.1	112738	490.429 ng/ml
Meprobamate	4.903	837521	4146972.7	29.0	12054.5	82465	465.711 ng/ml
Methadone	5.625	11239534	224305.9	53.5	∞	972652	526.941 ng/ml
Methamphetamine	3.170	10052055	198.4	38.2	183.2	1397811	358.962 ng/ml
Metoprolol	4.284	953356	578040.0	93.6	∞	289412	551.712 ng/ml
Mirtazapine	4.564	13093738	1409802.0	48.1	313968.9	972652	528.174 ng/ml
Mitragynine	5.179	1913540	∞	35.6	781803.0	21383	453.816 ng/ml
Morphine	1.191	301304	4606.0	26.9	70657.2	7210	479.996 ng/ml
Norbuprenorphine	4.961	49632	64945.9	89.0	∞	21383	49.687 ng/ml
Nordiazepam	5.868	974127	∞	59.5	∞	70466	502.588 ng/ml
Norfentanyl	4.048	465645	24751.0	37.5	∞	879774	55.272 ng/ml
Norhydrocodone	3.034	182273	10615.3	33.4	1016.5	59835	597.304 ng/ml
Noroxycodone	2.869	1755239	∞	47.8	∞	129447	501.840 ng/ml
O-desmethyl-tramadol	3.337	15407563	3271118.1	5.9	42364.0	1628616	515.866 ng/ml
Oxazepam	5.726	278413	∞	69.9	7416.2	25368	459.069 ng/ml
Oxycodone	2.786	6969348	∞	30.9	∞	685119	493.612 ng/ml
Oxymorphone	1.359	3413520	∞	46.6	∞	237932	498.475 ng/ml
Phentermine	3.740	2434606	1963.1	6.3	2406.5	813306	427.606 ng/ml
Promethazine	5.517	10781404	∞	35.8	604191.9	971702	524.597 ng/ml
Pseudoephedrine	2.533	25738708	91068.3	23.3	∞	2329786	515.727 ng/ml
Quetiapine	5.493	5198964	21800413.0	60.6	∞	208133	444.244 ng/ml
Sertraline	5.746	1106143	7290973.3	102.3	41704.7	99096	493.249 ng/ml
Temazepam	5.799	1854195	41272.0	27.8	6054.3	164646	494.383 ng/ml
Tramadol	4.202	12764326	377699.4	3.4	6130.0	1583120	456.780 ng/ml
Trazodone	5.034	7024746	221294.1	79.2	96046.9	675179	481.575 ng/ml
Venlafaxine	5.000	11548354	1573927.5	35.5	30311.5	1404683	500.317 ng/ml
Zolpidem	4.806	16048782	1953845.7	27.3	1637671.8	1520652	502.687 ng/ml

AM #28 Multi-Drug Quant. Results

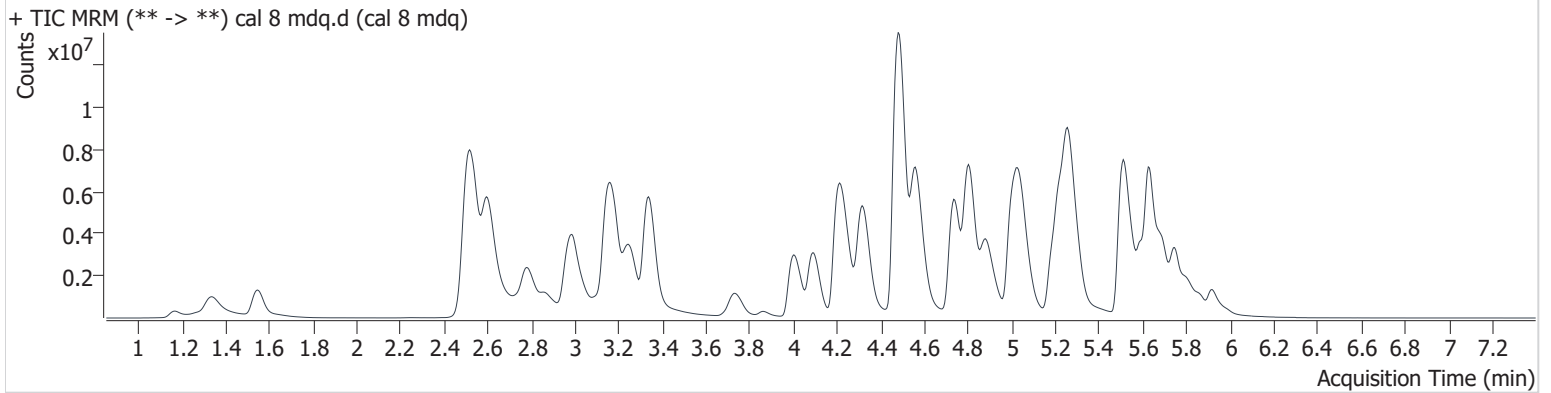


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Calibration Last Update 3/1/2022 4:01:00 PM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H1	Comment	
Injection Volume	3		
Acq. Date-Time	2/28/2022 4:34:44 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.104	214132	38304.0	135.2	51068.8	64176	96.711 ng/ml
7-aminoclonazepam	4.253	846208	42020.7	79.1	16459.6	30096	1006.475 ng/ml
a-hydroxyalprazolam	5.666	97640	6586.1	57.5	1071.0	93062	967.309 ng/ml
alpha-PHP	4.886	8832681	25817704.7	39.0	875500.2	392844	867.504 ng/ml
alpha-PVP	4.322	12002174	1016866.8	52.3	156112.0	475600	1038.234 ng/ml
Alprazolam	5.746	2485736	7295.6	97.5	6180.7	81328	1010.262 ng/ml
Amphetamine	2.991	4690110	∞	221.4	∞	392844	471.706 ng/ml
Benzoylcegonine	3.860	365406	∞	57.1	7723.8	14741	1006.276 ng/ml
Buprenorphine	5.654	269447	111452.9	15.9	∞	40059	101.769 ng/ml
Bupropion	4.736	12112317	596580.0	64.1	∞	549570	978.432 ng/ml
Carisoprodol	5.706	980026	1968955.3	62.3	67555.0	43118	1047.008 ng/ml
Citalopram	5.191	4870289	463780.9	39.5	50321.4	218329	1005.599 ng/ml
Clonazepam	5.594	471926	10864.7	36.5	171735.4	11996	863.166 ng/ml
Clonazepam	5.551	999162	21598.4	40.5	7765.1	11996	1087.134 ng/ml
Cocaine	4.226	6186854	435597.8	49.4	395616.4	536321	1009.512 ng/ml
Codeine	2.526	618563	9991.6	97.3	∞	38127	823.277 ng/ml
Cyclobenzaprine	5.596	6683213	159848.7	8.1	291844.5	223129	1023.461 ng/ml
Dextromethorphan	5.229	3595077	113702.8	75.7	123337.5	172457	987.010 ng/ml
Dextrophan	4.094	7600849	479556.7	43.7	401761.8	362390	1049.609 ng/ml
Diazepam	5.919	2401519	∞	87.4	11696.9	117558	1015.815 ng/ml
Dihydrocodeine	2.480	2255491	13350.0	64.0	11788.6	230021	719.470 ng/ml
Diphenhydramine	5.267	19574532	453943.0	32.0	381252.8	1015843	1047.093 ng/ml
Doxylamine	4.480	29206095	255408.9	87.3	1372160.4	1215618	963.671 ng/ml
EDDP	5.224	10850078	159832.0	41.0	∞	542508	1037.352 ng/ml
Etizolam	5.786	1885511	55758.3	25.4	∞	117558	938.400 ng/ml
Fentanyl	5.056	941846	36175220.1	122.3	1141309.2	417301	114.901 ng/ml
Flualprazolam	5.682	1018269	3003.7	84.5	9438.3	81328	918.032 ng/ml
Fluoxetine	5.688	4168907	98774.3	6.8	283959.0	154993	1027.340 ng/ml
Hydrocodone	2.972	3699642	∞	38.7	∞	252271	923.595 ng/ml
Hydromorphone	1.547	3256579	∞	75.8	∞	114333	996.778 ng/ml
Ketamine	4.002	7878903	962148.5	35.4	62863.7	421908	952.535 ng/ml
Lamotrigine	4.254	263180	19225.7	92.0	∞	93062	968.838 ng/ml
Levetiracetam	2.600	5559943	195699.2	222.1	477324.4	629311	921.304 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.719	195898	∞	51.4	4993.8	10848	1559.691 ng/ml
MDA	3.132	3523441	72393.5	28.1	11456.3	179798	643.411 ng/ml
MDMA	3.250	6231626	353019.8	95.6	438217.5	71264	973.245 ng/ml
Meprobamate	4.908	928026	141910.3	29.0	18623.7	43118	987.235 ng/ml
Methadone	5.631	14419609	1374073.8	53.1	1022022.9	629311	1044.694 ng/ml
Methamphetamine	3.165	12618885	121.9	36.7	108.1	1029006	615.572 ng/ml
Metoprolol	4.284	1069710	102855.3	97.6	∞	179798	995.949 ng/ml
Mirtazapine	4.564	16644770	147546.1	47.7	196451.3	629311	1037.809 ng/ml
Mitragynine	5.179	2426411	102877.4	35.7	50430.0	14684	839.680 ng/ml
Morphine	1.166	438450	∞	25.7	∞	4911	1025.622 ng/ml
Norbuprenorphine	4.961	68289	324731.2	92.5	64479.7	14684	99.823 ng/ml
Nordiazepam	5.868	1217425	∞	60.0	35691.1	46303	956.265 ng/ml
Norfentanyl	4.048	631131	34887.5	37.1	74280.5	555455	118.583 ng/ml
Norhydrocodone	3.029	262162	12728.3	34.2 High	21983.7	40180	1277.538 ng/ml
Noroxycodone	2.864	2314934	∞	47.4	∞	84783	1010.362 ng/ml
O-desmethyl-tramadol	3.337	19893367	627244.5	6.0	58814.1	1045851	1037.137 ng/ml
Oxazepam	5.726	282020	18932.8	71.8	39708.3	10848	1087.636 ng/ml
Oxycodone	2.776	9320917	∞	30.9	∞	469524	963.651 ng/ml
Oxymorphone	1.334	4582102	∞	46.4	∞	164220	969.700 ng/ml
Phentermine	3.734	2989472	4253.5	6.5	∞	575895	742.226 ng/ml
Promethazine	5.517	14808828	973526.6	35.5	85884.3	647832	1080.326 ng/ml
Pseudoephedrine	2.519	31713158	∞	23.3	∞	1410588	1049.336 ng/ml
Quetiapine	5.493	6353881	540104.7	60.1	∞	133263	848.777 ng/ml
Sertraline	5.746	1689397	174943.3	99.9	1228243.7	58529	1275.548 ng/ml
Temazepam	5.804	2199661	296296.2	28.0	∞	93062	1035.935 ng/ml
Tramadol	4.202	15881840	322770.4	3.3	18716.3	943191	954.958 ng/ml
Trazodone	5.034	8683912	249379.5	80.2	126335.0	437143	920.152 ng/ml
Venlafaxine	5.000	14702285	738139.5	35.5	65441.7	871230	1025.412 ng/ml
Zolpidem	4.806	20434272	487240.5	27.6	206768.5	977323	996.217 ng/ml

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

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

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

Requestor/Discipline: Celena Shrum/Toxicology

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

Temporary or Permanent Deviation: Permanent

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

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

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

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager

Date: 2/10/2022

Quality Review

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