

















Worklist: 4113

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-0388	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0454	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0455	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0456	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0458	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0459	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0492	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0506	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0515	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0521	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0532	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0537	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0553	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0554	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0562	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0566	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 3-25-2020 Analyst: Britany Wylie
 Plate lot#: 190729 (part IDP-111) Plate Expiration: 1/29/20

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: 20A52255 **Urine Blank lot:** 32420

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. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and 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: *Curves limited to-* 1-100 (Buprenorphine);
 2.5-100 (Norbuprenorphine);
 5-100 (Lorazepam);
 5-250 (Lamotrigine and Norhydrocodone)
 5-500 (Metoprolol and Mitragynine) 5-500 Meprobamate
 10-1000 (Phentermine) 10-1000 Benzoylecgonine *BW*

3-28-20

Diphenhydramine- Reported Qualitatively

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

01/13/2020

Forensic Scientist

Celena Shrum

Analytical Methods

Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:

- *MDS (batch IDP-107-190725)- Expiration is 1/25/2020
- *THC (batch IDP-108-190716)- Expiration is 1/16/2020
- *MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
- *MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum

Date: 01/13/2020

Celena Shrum

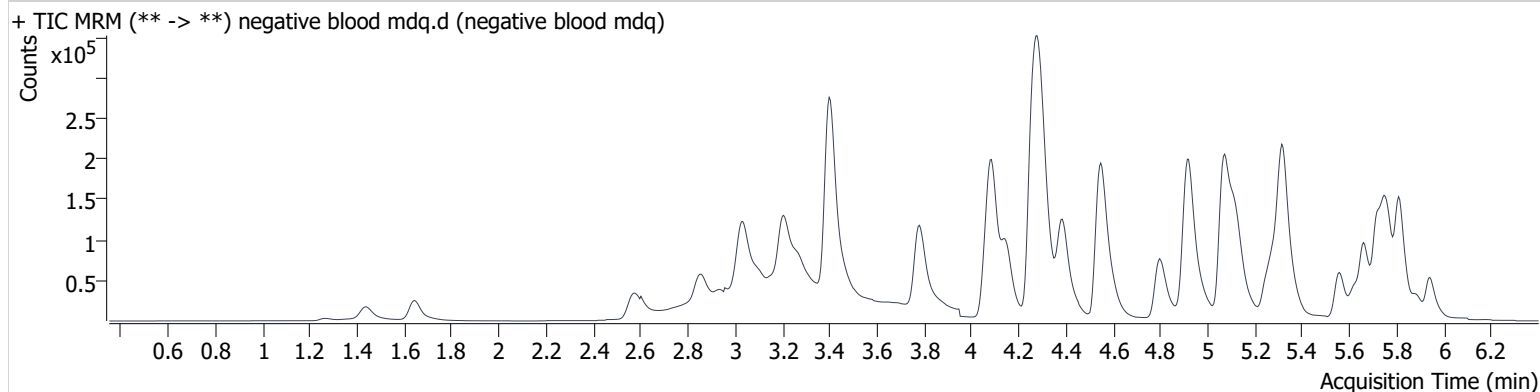
Toxicology Discipline Lead

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/26/2020 9:15:11 AM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 6:29:51 PM		
Sample Info.			

Sample Chromatogram

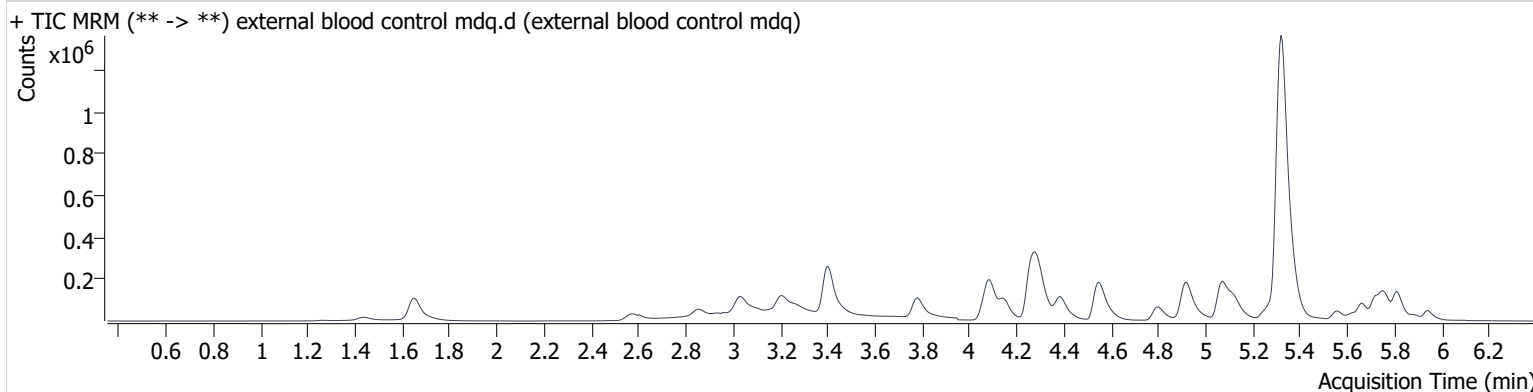


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/26/2020 9:15:11 AM

Instrument	69679	Data File	external blood control mdq.d
Type	Sample	Sample	external blood control mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 6:40:41 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.322	3232607	1821199.3	35.6	150107.4	499386	353.024 ng/ml
Hydromorphone	1.653	189834	23805.3	90.4	57239.9	93397	90.812 ng/ml

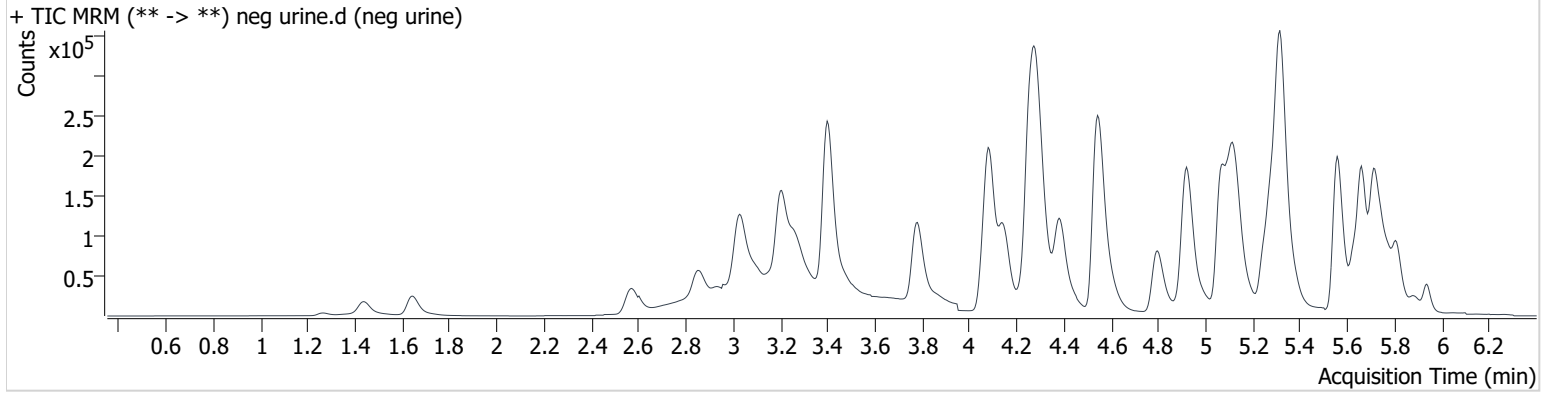
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/26/2020 9:15:11 AM

Instrument	69679	Data File	neg urine.d
Type	Sample	Sample	neg urine
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E4	Comment	
Injection Volume	2		
Acq. Date-Time	3/26/2020 3:17:19 AM		

Sample Info.

Sample Chromatogram

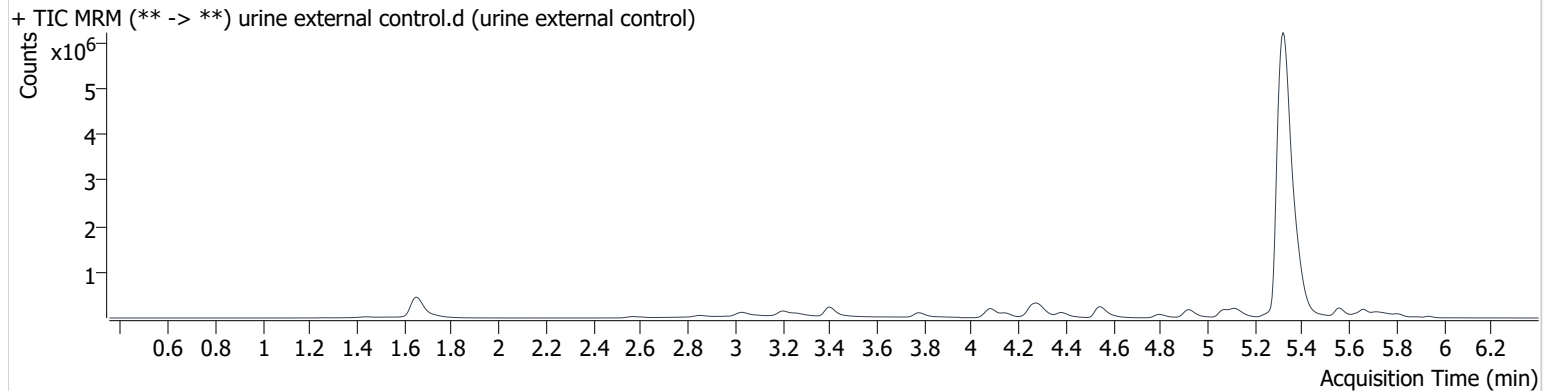


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/26/2020 9:15:11 AM

Instrument	69679	Data File	urine external control.d
Type	Sample	Sample	urine external control
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F4	Comment	
Injection Volume	2		
Acq. Date-Time	3/26/2020 3:38:51 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.322	20460564	1865674.0	35.5	173680.4	520530	2142.024 ng/ml
Hydromorphone	1.653	999675	50805.1	90.3	60407.2	81009	552.523 ng/ml

Toxicology AM method 25/28 urine external control prep
working solution 10000 ng/ml in meoh Hydromorphone, Diphenhydramine, Nortriptyline, Chlordiazepoxide
Stock solution 1mg/ml 50 ul each in 4800ul meOH

ppd 3/9/20: Exp: 6/1/20 lot 3920 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Diphenhydramine	FN09161502	9/1/2020
nortriptyline	FN06191503	8/1/2020
chlordiazepoxide	FE07241502	8/1/2020

AM 25 control 500 ul working solution (3920) in 4500 ul negative urine

ppd 3/25/20, exp 6/1/20 lot u32420 negative urine 32420 by BAW

AM 25 Blood Control:

ppd 3/9/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

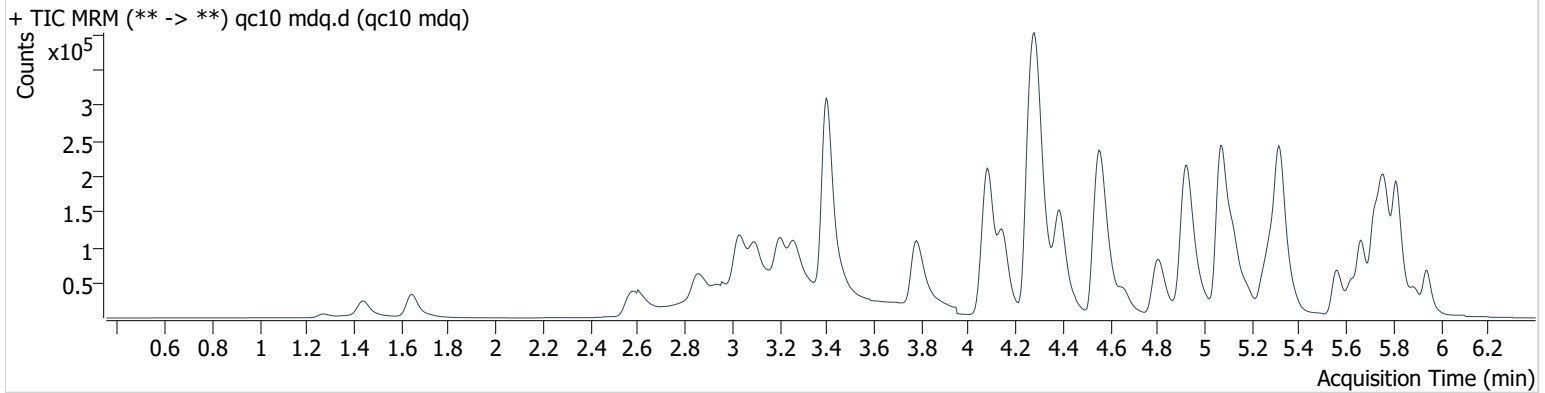
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 9:00:38 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.173	1520	1474.7	66.2	1066.2	42987	0.989 ng/ml
7-aminoclonazepam	4.292	29665	239.8	66.3	158.8	131789	9.689 ng/ml
a-hydroxyalprazolam	5.704	5325	582.0	64.8	761.1	25138	9.540 ng/ml
alpha-PVP	4.397	76666	1591.7	55.7	1951.3	358401	9.938 ng/ml
Alprazolam	5.777	45594	2270.7	81.7	2007.5	109671	10.108 ng/ml
Amphetamine	3.102	111480	1568.1	52.5	410.5	194355	9.877 ng/ml
Benzoylcegonine	3.906	1773	48.8	9.0	27.9	7552	9.126 ng/ml
Buprenorphine	5.765	586	170.1	15.3	177.6	22806	0.946 ng/ml
Bupropion	4.820	60043	5736.8	63.2	1913.4	234365	10.204 ng/ml
Carisoprodol	5.729	48611	1766.6	72.8	989.5	240288	10.428 ng/ml
Citalopram	5.256	33258	63.3	31.9	11485.5	151134	9.765 ng/ml
Clonazepam	5.623	24675	3354.1	34.0	629.3	55155	9.942 ng/ml
Cocaine	4.292	64904	10566.7	49.6	6080.7	563325	9.680 ng/ml
Codeine	2.633	8679	4611.4	90.6	357.2	35370	10.116 ng/ml
Cyclobenzaprine	5.635	9485	3473.8	10.6	649.8	40409	10.987 ng/ml
Dextromethorphan	5.295	17496	1469.0	75.6	120.9	78020	10.679 ng/ml
Dextrorphan	4.146	21109	9436.0	207.3	452.6	225127	10.341 ng/ml
Diazepam	5.947	23357	1202.4	87.2	2145.0	107443	9.459 ng/ml
Dihydrocodeine	2.601	17671	2996.5	86.4	227.4	112705	10.161 ng/ml
Diphenhydramine	5.322	97078	9362.4	36.0	519.6	525513	10.391 ng/ml
Doxylamine	4.569	164562	2861.2	91.3	8254.8	733659	9.917 ng/ml
EDDP	5.290	12723	20498.2	254.3	1097.3	157499	10.076 ng/ml
Fentanyl	5.133	2268	47.6	50.5	6314.5	114815	1.036 ng/ml
Fluoxetine	5.716	9606	601.2	9.3	1256.3	32081	12.503 ng/ml
Hydrocodone	3.064	24998	1182.6	52.0	966.8	168340	9.644 ng/ml
Hydromorphone	1.653	21586	3931.2	88.5	1290.0	96462	9.792 ng/ml
Ketamine	4.082	65406	7626.1	29.3	556.4	307119	10.157 ng/ml
Lamotrigine	4.320	6466	602.5	88.0	1825.5	307119	10.413 ng/ml
Lorazepam	5.751	25578	1178.2	72.4	324.9	107443	11.878 ng/ml
Meprobamate	4.932	36963	3614.1	34.6	202.2	183783	10.143 ng/ml
Methadone	5.664	32431	1459.8	89.5	1215.8	202978	10.077 ng/ml
Methamphetamine	3.264	139318	∞	41.7	∞	271990	11.489 ng/ml
Metoprolol	4.354	15294	1579.9	99.5	1857.7	733659	10.588 ng/ml

AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	61801	1274.2	58.9	2149.1	202978	9.984 ng/ml
Mitragynine	5.261	5449	11128.8	35.7	50.4	202978	8.157 ng/ml
Morphine	1.277	2671	29642.9	65.8	128.1	1750	9.742 ng/ml
Norbuprenorphine	5.035	109	222.5	48.3 Low	176.0	4367	1.161 ng/ml OCR
Nordiazepam	5.897	24424	3252.2	48.8	1490.6	78491	10.208 ng/ml
Norfentanyl	4.112	9832	1394.7	41.9	219.2	451016	0.974 ng/ml
Norhydrocodone	3.105	825	189.2	48.3	∞	41396	9.495 ng/ml
Noroxycodone	2.957	19962	277.7	58.7	1326.6	63722	9.877 ng/ml
O-desmethyl-tramadol	3.405	162523	13716.1	6.5	875.4	849114	10.313 ng/ml
Oxazepam	5.758	38788	1061.7	64.0	1321.1	245865	9.418 ng/ml
Oxycodone	2.885	35053	1548.1	44.4	541.3	206680	10.180 ng/ml
Oxymorphone	1.440	21586	1274.3	60.9	10943.4	77265	9.532 ng/ml
Phentermine	3.813	28405	33.2	6.2	73.5	340212	10.183 ng/ml
Promethazine	5.563	23433	2872.0	32.1	301.7	98603	10.911 ng/ml
Quetiapine	5.565	28743	41471.6	63.1	2585.3	37468	10.579 ng/ml
Sertraline	5.783	4145	295.9	84.6	1287.4	12911	12.173 ng/ml
Temazepam	5.819	79786	2479.4	28.0	467.1	358197	10.277 ng/ml
Tramadol	4.273	179029	375.8	3.5	19.3	894913	10.634 ng/ml
Trazodone	5.179	41456	12939.8	85.5	2777.1	169972	10.182 ng/ml
Venlafaxine	5.073	135736	1642.2	32.2	1291.4	713082	10.124 ng/ml
Zolpidem	4.945	110775	17347.9	26.6	3385.8	572065	10.354 ng/ml

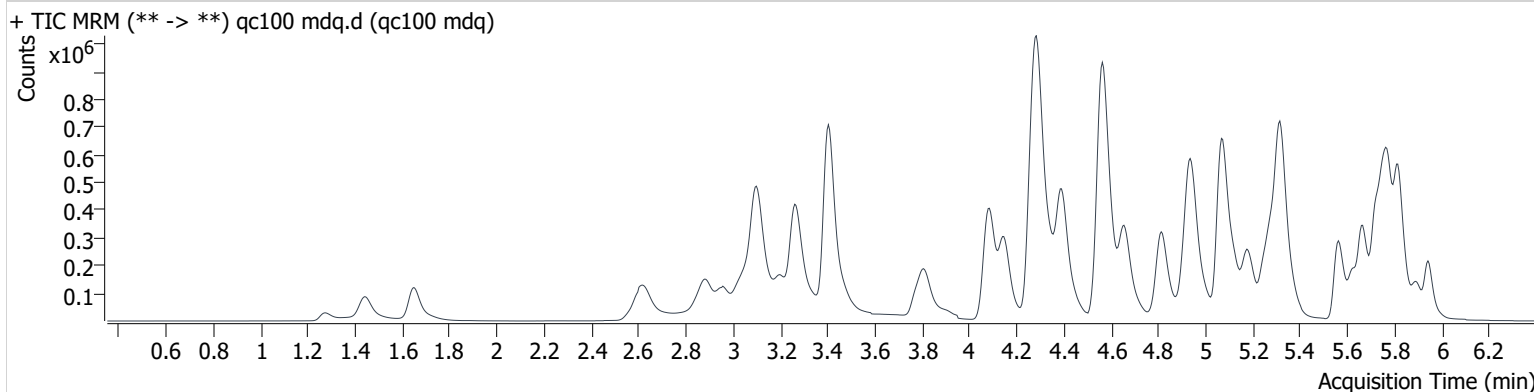
OCR- Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument 69679 **Data File** qc100 mdq.d
Type QC **Sample** qc100 mdq
Acq. Method mdq p1 cda 121818.m **Operator** Britany Wylie
Sample Position P2-B2 **Comment**
Injection Volume 2
Acq. Date-Time 3/25/2020 9:11:28 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	14895	1122.7	66.7	88210.7	42494	10.082 ng/ml
7-aminoclonazepam	4.292	277347	327.2	66.5	2180.3	129508	99.461 ng/ml
a-hydroxyalprazolam	5.704	44907	1736.4	60.0	38912.7	21683	101.868 ng/ml
alpha-PVP	4.397	761575	20486.0	54.8	4346.0	353092	96.979 ng/ml
Alprazolam	5.777	402156	6029.7	83.4	374.5	99590	98.086 ng/ml
Amphetamine	3.102	1156732	15295.1	48.0	9009.6	206899	105.846 ng/ml
Benzoylcegonine	3.906	19332	171.2	8.8	332.0	7976	102.172 ng/ml
Buprenorphine	5.765	6386	1208.7	16.2	1919.1	24471	10.593 ng/ml
Bupropion	4.820	618114	23459.6	64.2	7677.0	250535	100.189 ng/ml
Carisoprodol	5.729	416415	20609.3	72.1	3255.0	214911	103.238 ng/ml
Citalopram	5.251	340872	10894.8	30.6	95665.1	155355	98.962 ng/ml
Clonazepam	5.623	219285	15395.7	34.4	95976.0	50818	102.424 ng/ml
Cocaine	4.292	608686	7535.7	48.9	66007.0	529990	96.494 ng/ml
Codeine	2.633	84989	2232.8	87.9	1148.8	35037	103.675 ng/ml
Cyclobenzaprine	5.635	94387	42349.8	10.0	703.2	46184	99.178 ng/ml
Dextromethorphan	5.295	161671	23554.5	78.5	5988.2	79401	97.137 ng/ml
Dextrorphan	4.146	190807	36607.1	206.9	3285.7	210566	101.282 ng/ml
Diazepam	5.947	211904	4103.7	87.4	13311.7	100960	98.551 ng/ml
Dihydrocodeine	2.601	166425	1044.8	86.7	3961.8	111500	104.110 ng/ml
Diphenhydramine	5.322	984663	17938.6	36.4	16483.5	561899	95.807 ng/ml
Doxylamine	4.564	1667586	3777.7	90.3	19889.9	757625	99.299 ng/ml
EDDP	5.285	129608	58223.5	269.8	42078.4	163619	100.944 ng/ml
Fentanyl	5.128	26896	1914.9	51.2	35198.0	145590	9.905 ng/ml
Fluoxetine	5.716	92607	7866.1	8.1	20421.3	39727	101.888 ng/ml
Hydrocodone	3.064	237338	2931.2	52.3	∞	164408	106.021 ng/ml
Hydromorphone	1.653	209322	125150.0	89.3	35021.9	96485	96.945 ng/ml
Ketamine	4.082	634334	50081.5	29.6	2359.3	308418	102.384 ng/ml
Lamotrigine	4.320	59062	2335.8	87.5	2982.8	308418	101.740 ng/ml
Lorazepam	5.751	198014	7351.6	68.4	3368.1	100960	103.755 ng/ml
Meprobamate	4.927	330531	2827.9	33.6	12588.2	173836	101.506 ng/ml
Methadone	5.664	341681	15399.8	87.8	7389.9	218638	96.387 ng/ml
Methamphetamine	3.264	801067	615.8	38.1	∞	302038	107.466 ng/ml
Metoprolol	4.354	140714	2251.1	99.1	11612.0	757625	105.722 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	662194	7622.9	58.5	100292.6	218638	101.202 ng/ml
Mitragynine	5.255	61885	301500.3	34.7	51437.8	218638	98.292 ng/ml
Morphine	1.277	24770	9842.3	66.3	52522.9	1739	99.567 ng/ml
Norbuprenorphine	5.024	826	232.4	106.4	1972.8	4830	9.035 ng/ml
Nordiazepam	5.897	220870	13856.0	49.5	26120.7	71982	103.473 ng/ml
Norfentanyl	4.112	89572	412.6	41.7	475.0	415136	9.505 ng/ml
Norhydrocodone	3.110	8405	330.4	44.1	1074.1	37131	98.698 ng/ml
Noroxycodone	2.957	182363	2119.5	56.1	4027.1	60170	101.097 ng/ml
O-desmethyl-tramadol	3.405	1556087	250580.0	6.4	6502.8	840725	98.142 ng/ml
Oxazepam	5.758	320006	10478.8	60.9	6738.3	202821	107.075 ng/ml
Oxycodone	2.885	343770	31376.9	44.1	14292.7	209671	104.228 ng/ml
Oxymorphone	1.445	211708	10195.4	60.9	1665329.4	77627	102.033 ng/ml
Phentermine	3.813	303367	692.2	5.2	687.1	351761	104.121 ng/ml
Promethazine	5.563	233123	18425.0	32.8	1088.2	108857	98.283 ng/ml
Quetiapine	5.560	283641	649859.7	65.7	415665.7	39492	103.741 ng/ml
Sertraline	5.783	42357	3220.6	78.8	50953.0	16254	102.806 ng/ml
Temazepam	5.819	738949	38177.1	27.7	8414.6	342775	99.892 ng/ml
Tramadol	4.273	1647919	1224086.5	3.5	319.0	879290	108.728 ng/ml
Trazodone	5.179	471943	226.0	86.8	91255.5	202159	99.881 ng/ml
Venlafaxine	5.068	1319823	5590.3	32.0	692.1	695447	96.920 ng/ml
Zolpidem	4.940	1101192	137585.5	27.6	75912.5	587736	101.715 ng/ml

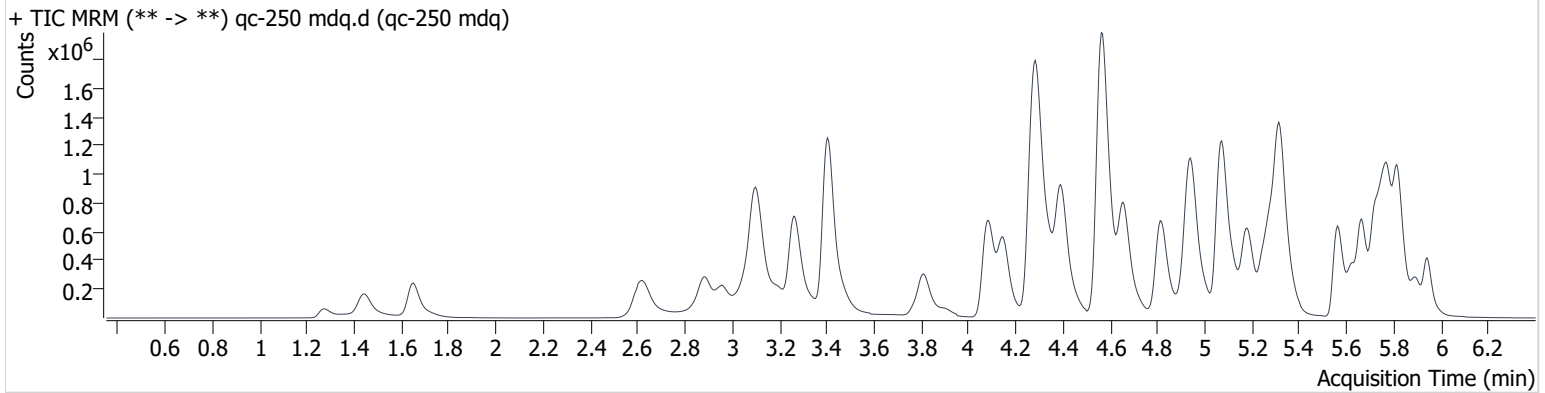
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 9:22:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.173	34184	69709.8	69.0	10960.6	39683	24.825 ng/ml
7-aminoclonazepam	4.292	562027	47559.2	66.4	21274.8	108084	242.724 ng/ml
a-hydroxyalprazolam	5.699	97209	2280.2	60.0	11756.8	18514	259.758 ng/ml
alpha-PVP	4.397	1737687	144572.2	55.3	13027.5	322573	241.679 ng/ml
Alprazolam	5.777	868747	9986.6	82.3	5549.1	84357	250.133 ng/ml
Amphetamine	3.107	2386281	27003.1	48.1	1492.8	183343	247.862 ng/ml
Benzoylcegonine	3.906	48969	8070.3	8.5	1461.8	8165	254.066 ng/ml
Buprenorphine	5.765	12762	419.7	17.9	4235.0	20495	25.426 ng/ml
Bupropion	4.820	1475185	14631.6	63.3	14642.7	236976	253.132 ng/ml
Carisoprodol	5.729	853415	55951.8	74.1	41762.2	180413	252.601 ng/ml
Citalopram	5.251	788459	828.7	30.2	552049.9	141895	250.890 ng/ml
Clonazepam	5.623	488004	521296.2	34.4	173411.7	46033	252.730 ng/ml
Cocaine	4.292	1332412	292919.3	48.8	685655.2	461045	242.812 ng/ml
Codeine	2.633	192367	82032.1	88.7	1630.1	31765	259.446 ng/ml
Cyclobenzaprine	5.635	233556	590275.1	10.3	1530.4	46055	246.772 ng/ml
Dextromethorphan	5.295	356848	11567.6	80.0	27020.9	68924	247.031 ng/ml
Dextrorphan	4.152	432197	196697.1	211.3	6938.7	189781	254.775 ng/ml
Diazepam	5.942	473880	6709.1	87.9	20604.2	90305	247.645 ng/ml
Dihydrocodeine	2.601	383538	94203.3	87.3	5294.8	105400	255.060 ng/ml
Diphenhydramine	5.322	2281854	32983.4	36.2	9358.3	497232	250.369 ng/ml
Doxylamine	4.569	3919194	536414.5	90.8	1517162.9	708504	249.896 ng/ml
EDDP	5.285	331543	33648.7	265.0	152349.8	164793	256.753 ng/ml
Fentanyl	5.128	62933	2851.9	52.0	85625.9	133390	25.337 ng/ml
Fluoxetine	5.716	230292	26534.3	8.1	1946.0	40246	251.076 ng/ml
Hydrocodone	3.064	539668	2301.4	52.5	1263.9	151078	264.420 ng/ml
Hydromorphone	1.653	485496	928280.7	89.7	682865.1	89145	243.716 ng/ml
Ketamine	4.082	1457975	229368.8	30.0	11704.3	287388	253.271 ng/ml
Lamotrigine	4.325	123414	8097.6	88.9	2342.1	287388	229.227 ng/ml
Lorazepam	5.751	337827	23263.3	69.9	4333.3	90305	198.640 ng/ml
Meprobamate	4.932	683789	80957.8	33.6	17349.9	151503	241.859 ng/ml
Methadone	5.664	790330	23472.9	89.4	29468.6	208565	233.365 ng/ml
Methamphetamine	3.264	1411482	∞	33.3	∞	223897	271.254 ng/ml
Metoprolol	4.354	299771	6270.5	100.8	17268.5	708504	242.679 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	1582200	193258.8	58.7	134674.9	208565	253.802 ng/ml
Mitragynine	5.261	137060	134933.8	35.5	94833.6	208565	229.909 ng/ml
Morphine	1.277	59350	1266340.3	63.7	694.3	1599	261.032 ng/ml
Norbuprenorphine	5.024	2111	570.6	93.6	574.3	4594	24.616 ng/ml
Nordiazepam	5.897	506778	1152439.7	48.2	6056.7	66883	255.979 ng/ml
Norfentanyl	4.112	204301	24743.1	40.7	3795.3	365042	24.629 ng/ml
Norhydrocodone	3.110	18465	505.0	44.7	49.9	29684	269.687 ng/ml
Noroxycodone	2.957	397478	4451.6	56.9	6724.6	51816	256.855 ng/ml
O-desmethyl-tramadol	3.405	3636205	456562.3	6.3	23948.3	771611	249.593 ng/ml
Oxazepam	5.758	600143	7607.6	61.7	5226.2	155021	264.811 ng/ml
Oxycodone	2.885	807990	24452.5	43.8	1933.2	191963	268.625 ng/ml
Oxymorphone	1.440	481118	4421131.4	60.8	44.1	71586	252.942 ng/ml
Phentermine	3.813	633748	693.5	5.1	674.7	297157	257.314 ng/ml
Promethazine	5.563	588112	65692.5	32.3	2090.3	109790	245.830 ng/ml
Quetiapine	5.565	705700	907095.3	64.3	612361.3	38377	266.490 ng/ml
Sertraline	5.783	97339	5844.4	84.2	130836.2	15861	242.861 ng/ml
Temazepam	5.819	1699036	11785.0	27.1	4015.6	296405	265.691 ng/ml
Tramadol	4.273	3635493	681049.3	3.4	1798.8	803438	264.051 ng/ml
Trazodone	5.179	1232840	508.8	86.3	65460.4	208634	253.252 ng/ml
Venlafaxine	5.073	3063210	355722.4	31.9	1330.3	638263	244.414 ng/ml
Zolpidem	4.945	2583712	142908.4	27.1	221814.7	550678	254.979 ng/ml

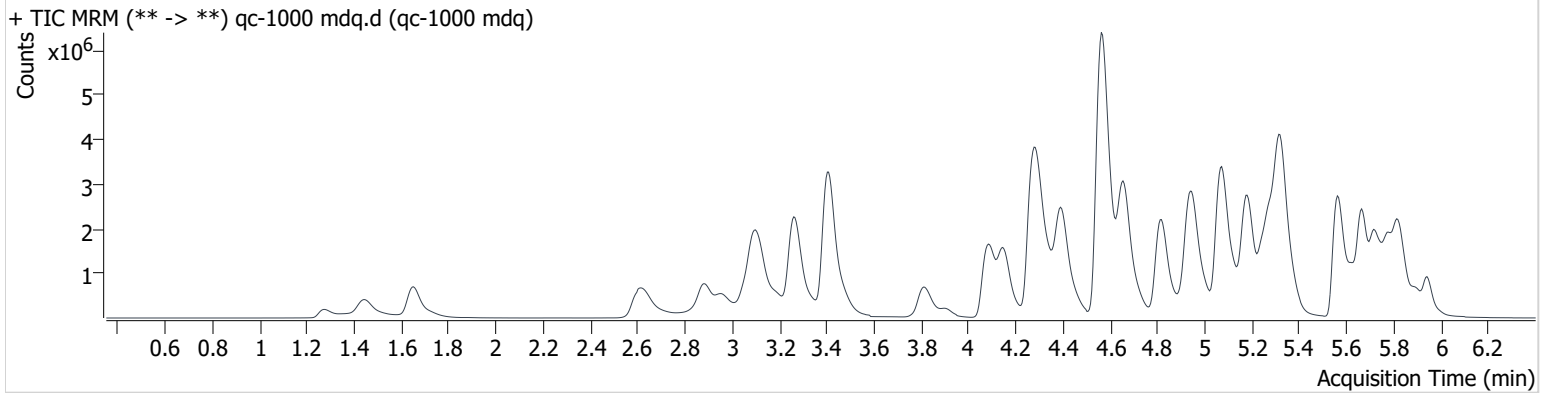
OCR- Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 9:33:02 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	131861	14401.4	66.5	4401.3	36952	102.937 ng/ml
7-aminoclonazepam	4.297	1004911	121333.5	65.0	1882.7	54769	858.634 ng/ml
a-hydroxyalprazolam	5.699	201227	3958.9	59.6	2887.7	10748	928.725 ng/ml
alpha-PVP	4.399	5586803	366590.9	54.6	5722.4	249988	1001.511 ng/ml
Alprazolam	5.783	2002556	10636.9	85.6	21284.0	48101	1011.157 ng/ml
Amphetamine	3.107	6122201	53183.5	48.1	26700.6	143984	812.221 ng/ml
Benzoylcegonine	3.911	220754	143448.2	8.3	446.8	8239	1138.107 ng/ml
Buprenorphine	5.765	51027	3895.7	16.5	10440.4	20912	99.945 ng/ml
Bupropion	4.820	5370537	947879.9	63.3	8752.3	216994	1007.075 ng/ml
Carisoprodol	5.729	1585538	12256.5	74.1	24846.5	83807	1011.454 ng/ml
Citalopram	5.251	2711614	109187.6	29.9	1756388.8	122922	996.553 ng/ml
Clonazepam	5.618	912036	912129.1	33.9	1034509.0	24973	872.496 ng/ml
Cocaine	4.297	3679665	422965.7	48.4	522444.4	315966	978.463 ng/ml
Codeine	2.638	568798	895.1	87.8	3918.9	24043	1014.744 ng/ml
Cyclobenzaprine	5.635	1352042	3647505.8	10.6	16017.3	68343	963.996 ng/ml
Dextromethorphan	5.295	1250854	123650.4	80.1	11247.0	61431	971.597 ng/ml
Dextrorphan	4.152	1481719	2609.9	210.1	397176.5	159792	1037.866 ng/ml
Diazepam	5.942	1285110	6358.9	87.3	38829.7	63805	952.879 ng/ml
Dihydrocodeine	2.596	1235479	3495.7	89.4	55895.6	98912	877.627 ng/ml
Diphenhydramine	5.327	8428304	16632.1	35.0	41846.2	440852	1042.003 ng/ml
Doxylamine	4.564	14018819	11694.8	90.8	1314138.0	646085	980.885 ng/ml
EDDP	5.285	1441483	9213.8	276.9	678862.6	188823	974.927 ng/ml
Fentanyl	5.128	390674	16610.2	53.8	7888.6	196007	107.121 ng/ml
Fluoxetine	5.716	1526511	386007.5	8.0	4620.2	65030	1032.093 ng/ml
Hydrocodone	3.059	1675830	2592.4	46.6	537.3	128091	972.202 ng/ml
Hydromorphone	1.653	1685739	1562.1	89.3	20675992.4	77207	977.777 ng/ml
Ketamine	4.082	4682514	474907.5	29.0	3796.4	242010	967.332 ng/ml
Lamotrigine	4.325	259719	9335.0	87.6	8107.3	242010	574.149 ng/ml*
Lorazepam	5.746	368822	16952.4	71.0	8153.5	63805	307.377 ng/ml*
Meprobamate	4.922	1391273	125299.2	33.4	57885.1	98469	758.550 ng/ml*
Methadone	5.664	3515402	26858.1	88.1	130904.5	217966	992.437 ng/ml
Methamphetamine	3.264	5117150	∞	37.9	∞	227580	996.953 ng/ml
Metoprolol	4.354	716029	32069.0	100.2	3834.6	646085	637.994 ng/ml*

AM #28 Multi-Drug Quant. Results

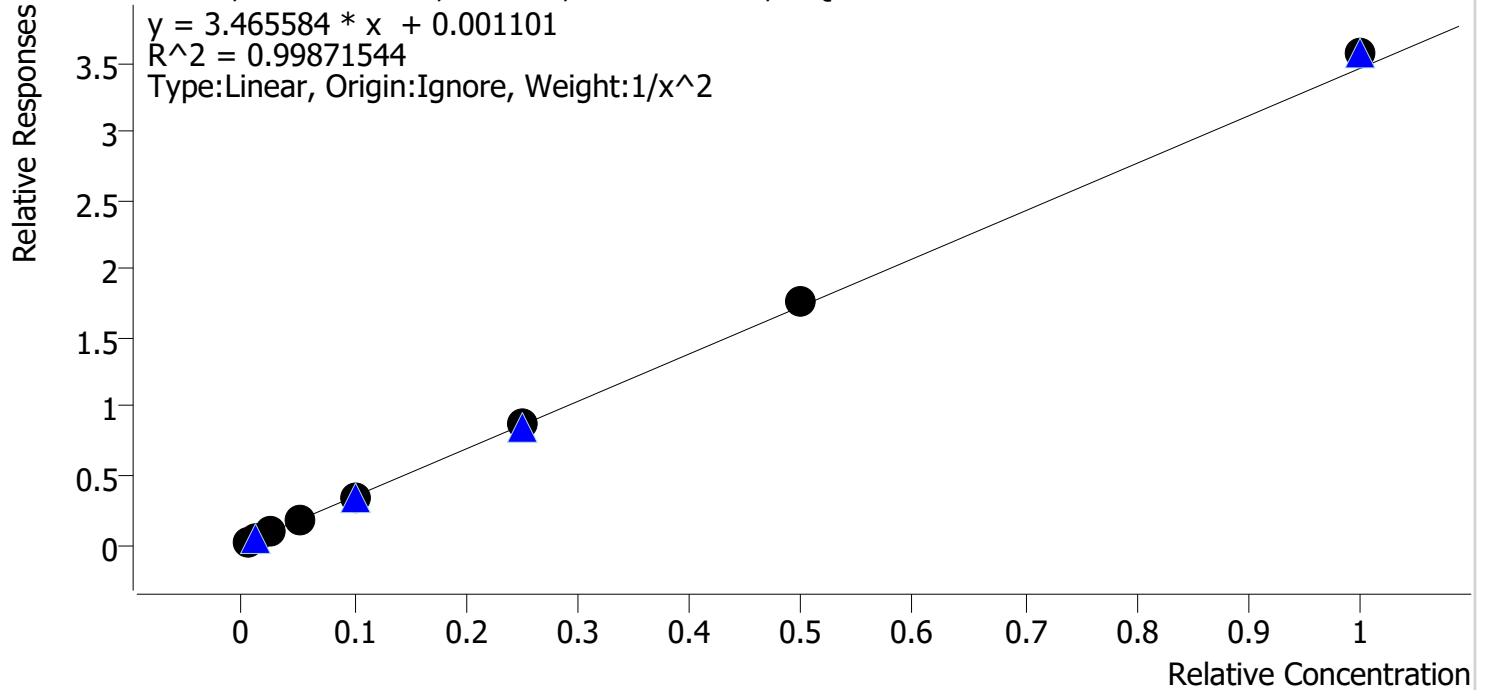
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	6724707	59211.3	58.2	26483.1	217966	1032.834 ng/ml
Mitragynine	5.255	588744	1760006.4	35.6	254753.8	217966	948.982 ng/ml *
Morphine	1.277	202214	4081.4	64.0	748916.0	1349	1057.568 ng/ml
Norbuprenorphine	5.024	9526	5265.0	92.1	9934.1	5184	99.018 ng/ml
Nordiazepam	5.897	1314557	151796.6	48.9	17125.3	44053	1009.034 ng/ml
Norfentanyl	4.112	627999	902.7	41.0	1295.4	256649	107.632 ng/ml
Norhydrocodone	3.105	78312	6560.6	43.5	1922.7	21686	1561.354 ng/ml *
Noroxycodone	2.957	1013099	5930.8	57.1	1500.1	33687	1008.860 ng/ml
O-desmethyl-tramadol	3.410	12249306	472438.4	6.2	45612.8	627474	1033.370 ng/ml
Oxazepam	5.753	748699	17562.2	62.1	5301.7	51636	995.739 ng/ml
Oxycodone	2.880	2704896	113126.6	44.2	17298.5	169009	1023.287 ng/ml
Oxymorphone	1.445	1479740	6112862.0	61.1	6256093.5	58312	957.892 ng/ml
Phentermine	3.813	1873904	1228.9	4.9	7056.6	249572	905.622 ng/ml
Promethazine	5.563	3978446	28078.6	32.0	28035.9	178961	1020.209 ng/ml
Quetiapine	5.565	2610343	844307.1	63.7	2720338.6	41023	923.523 ng/ml
Sertraline	5.783	564376	2632.1	82.1	495647.5	22059	1014.235 ng/ml
Temazepam	5.824	4286721	261668.3	27.2	6206.0	180868	1098.712 ng/ml
Tramadol	4.268	10383427	1416479.9	3.3	5365.4	651786	932.375 ng/ml
Trazodone	5.179	5722778	3380.0	85.7	609964.4	251466	976.150 ng/ml
Venlafaxine	5.074	10223436	783874.0	30.9	12050.1	516455	1006.720 ng/ml
Zolpidem	4.945	8651975	135831.5	26.8	457721.1	480043	979.978 ng/ml

* Outside Curve range

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

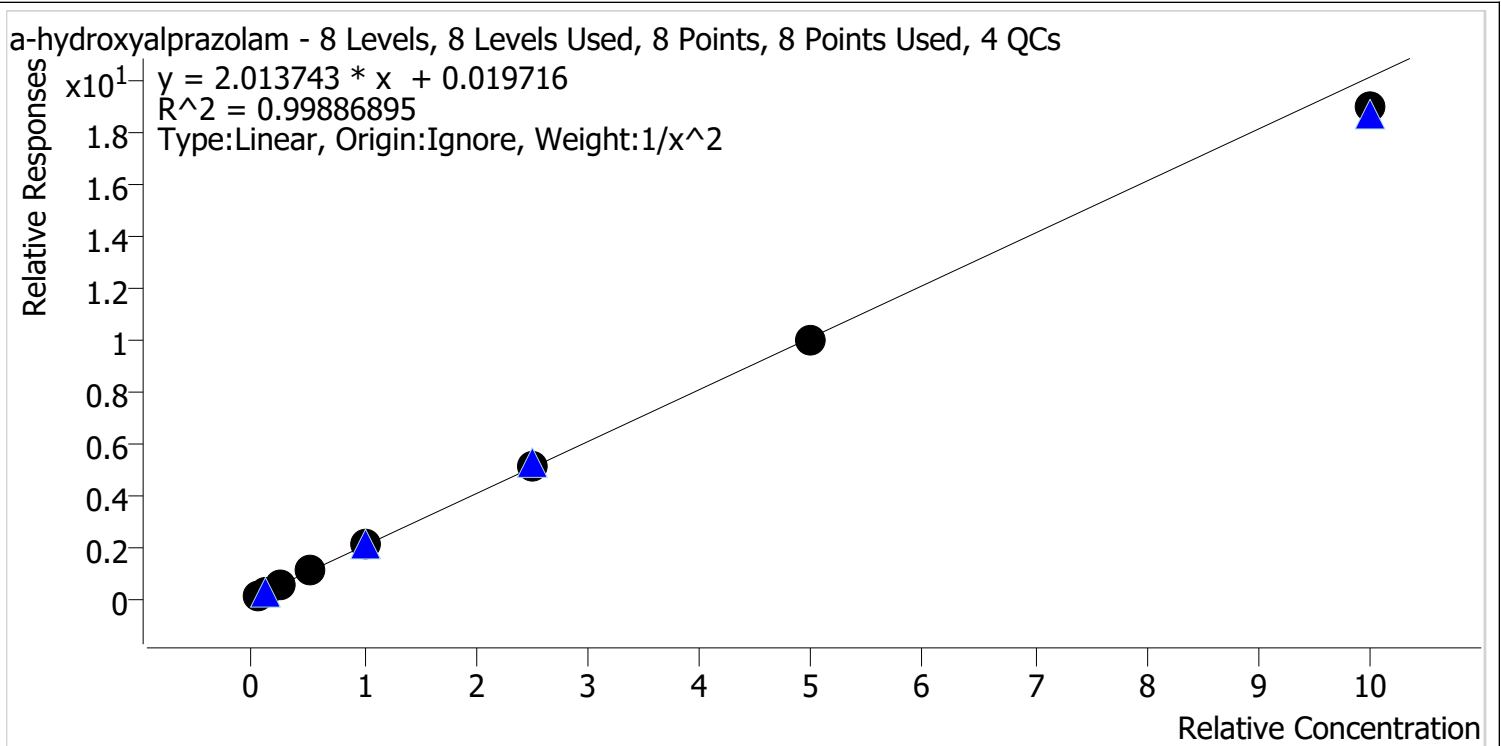
6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.5
cal 2 mdq	2	✓	1.0	1.0	96.4
cal 3 mdq	3	✓	2.5	2.4	95.1
cal 4 mdq	4	✓	5.0	5.1	102.9
cal 5 mdq	5	✓	10.0	9.8	98.0
cal 6 mdq	6	✓	25.0	25.1	100.3
cal 7 mdq	7	✓	50.0	50.8	101.6
cal 8 mdq	8	✓	100.0	103.1	103.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

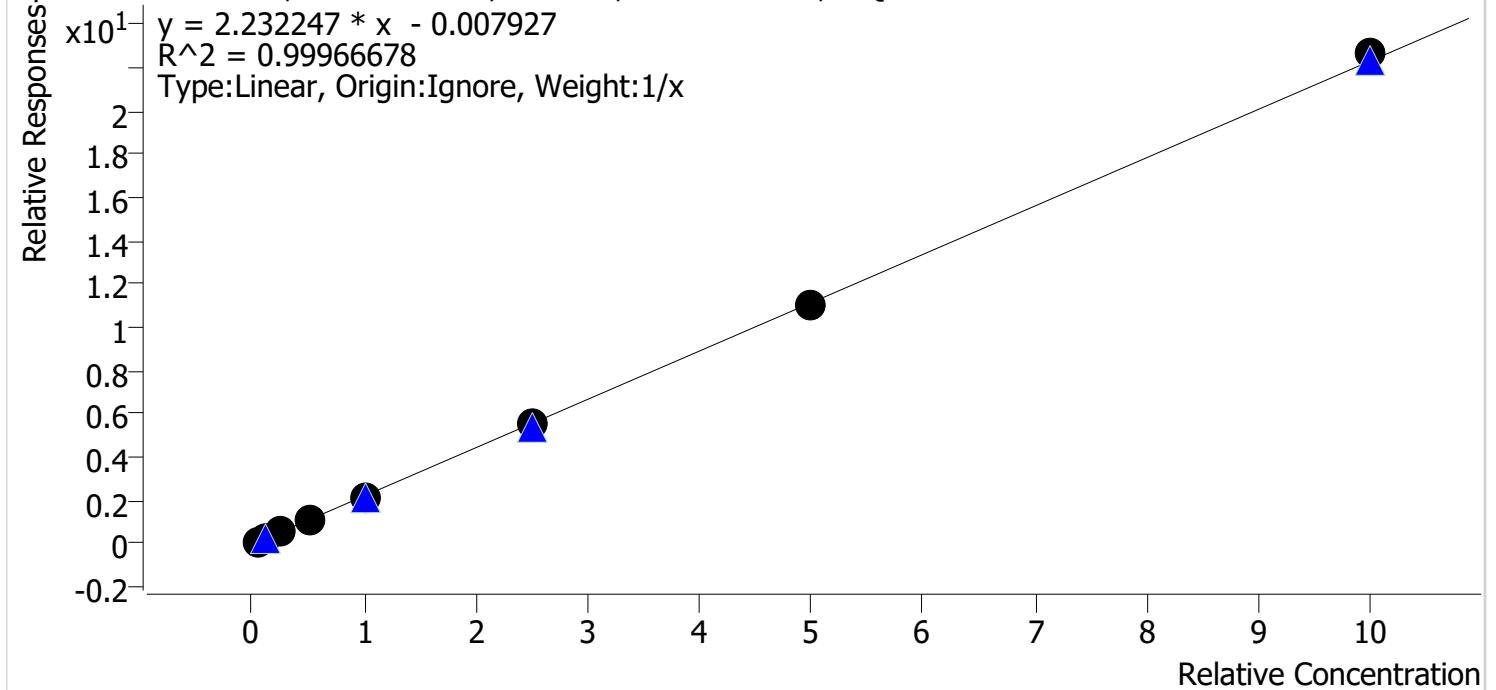


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	51.1	102.1
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	941.9	94.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

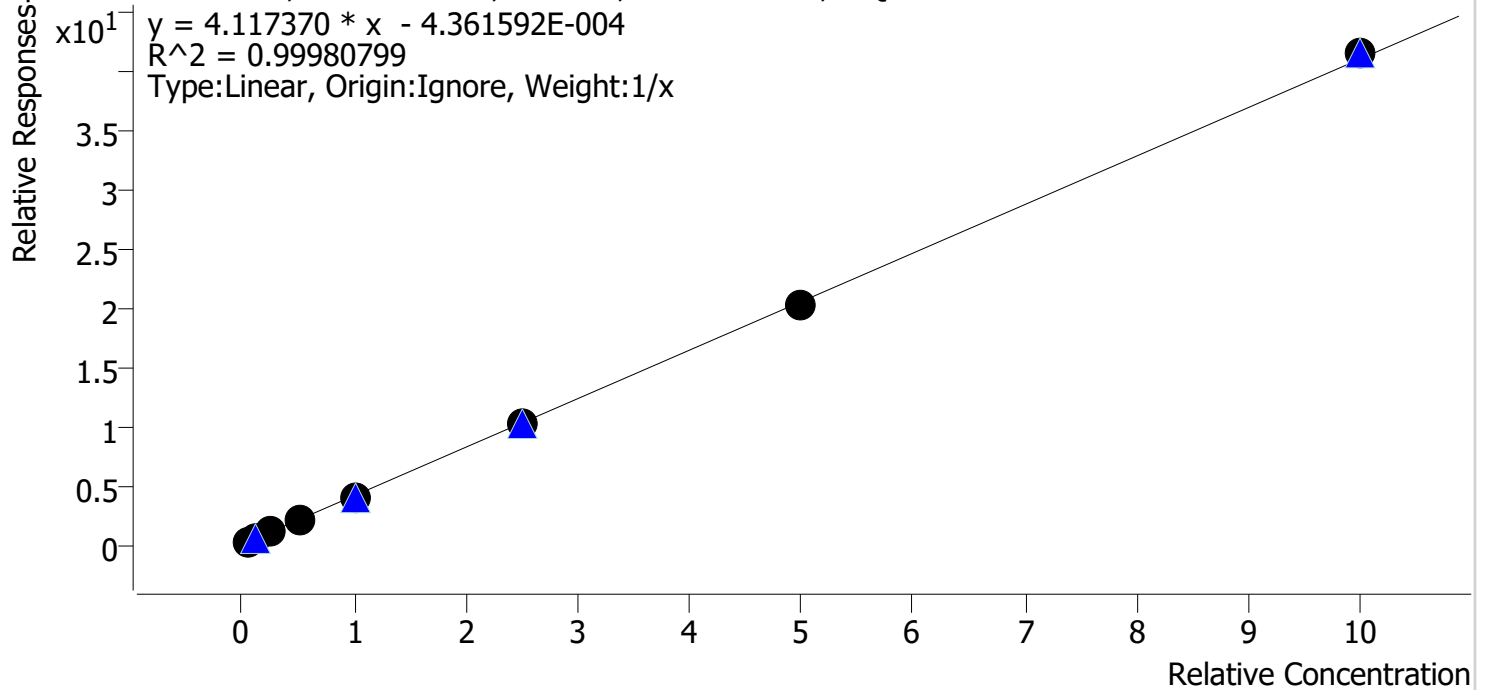


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.1
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	96.2	96.2
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	492.5	98.5
cal 8 mdq	8	✓	1000.0	1015.5	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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

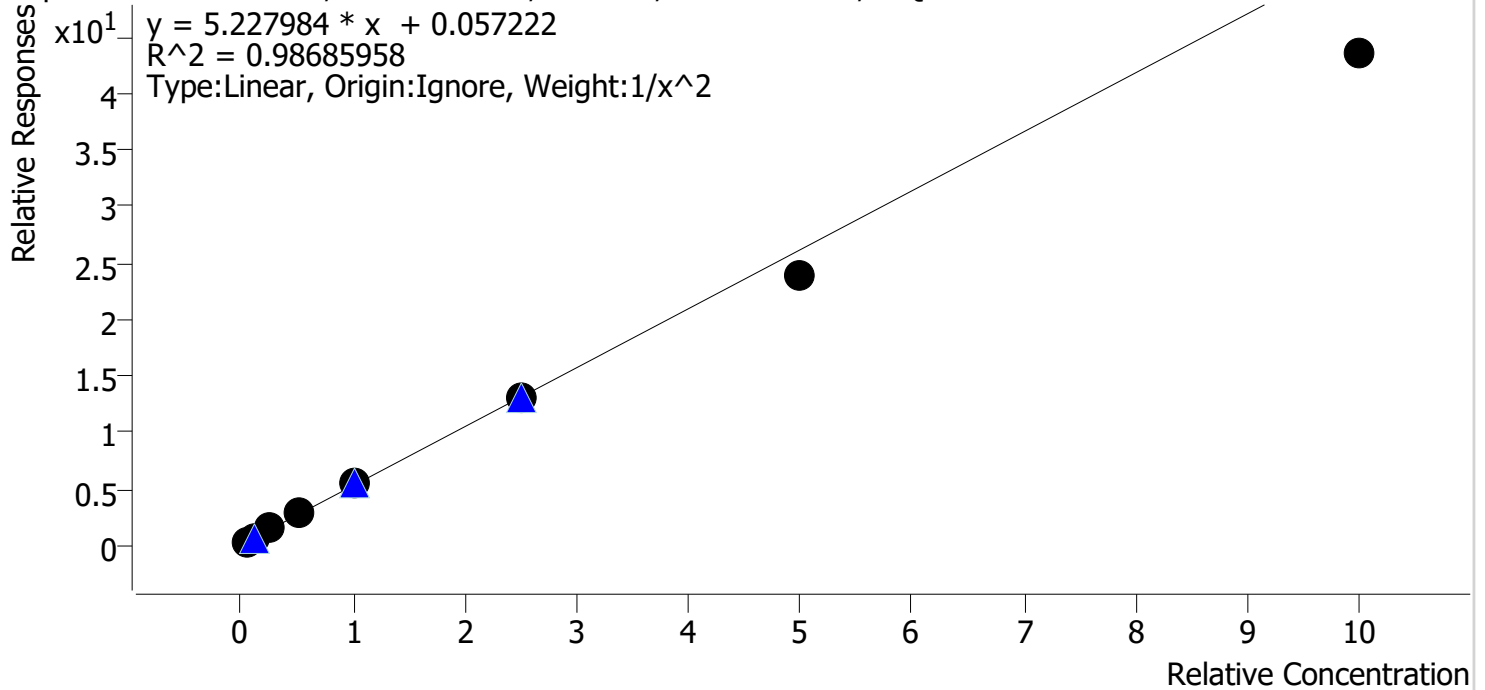


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	490.6	98.1
cal 8 mdq	8	✓	1000.0	1010.5	101.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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

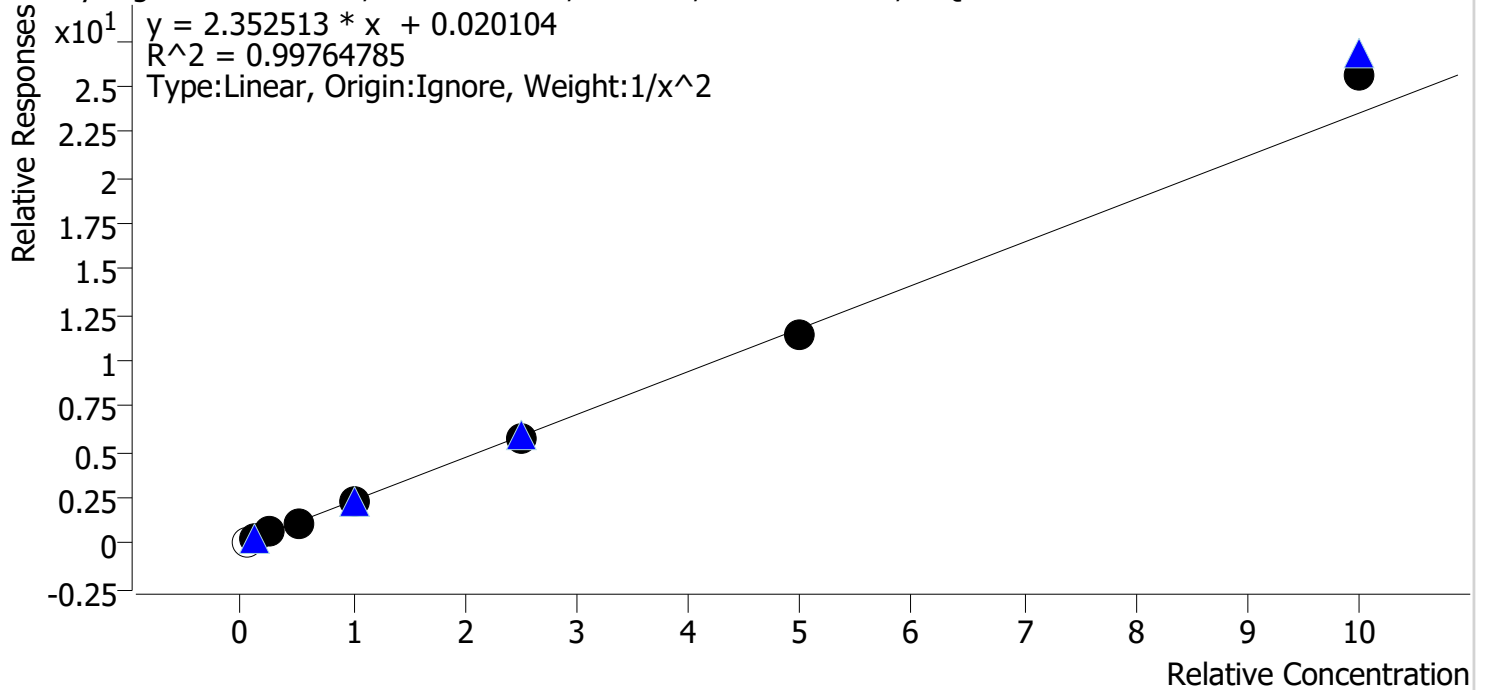


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.3
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	28.1	112.5
cal 4 mdq	4	✓	50.0	55.8	111.6
cal 5 mdq	5	✓	100.0	106.1	106.1
cal 6 mdq	6	✓	250.0	248.2	99.3
cal 7 mdq	7	✓	500.0	455.5	91.1
cal 8 mdq	8	✓	1000.0	832.6	83.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/28/2020 2:45 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



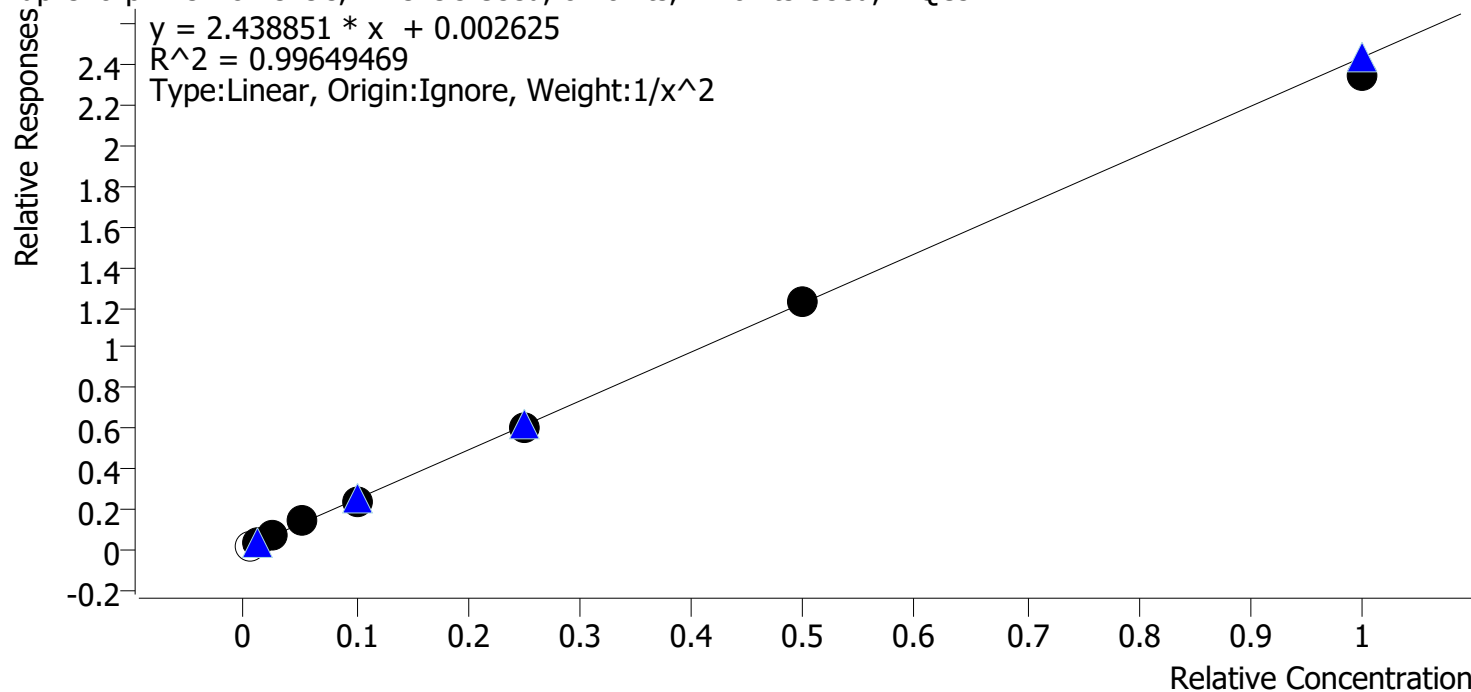
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.7	93.1
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.9	99.4
cal 4 mdq	4	✓	50.0	49.8	99.5
cal 5 mdq	5	✓	100.0	96.2	96.2
cal 6 mdq	6	✓	250.0	246.9	98.7
cal 7 mdq	7	✓	500.0	483.6	96.7
cal 8 mdq	8	✓	1000.0	1087.1	108.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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

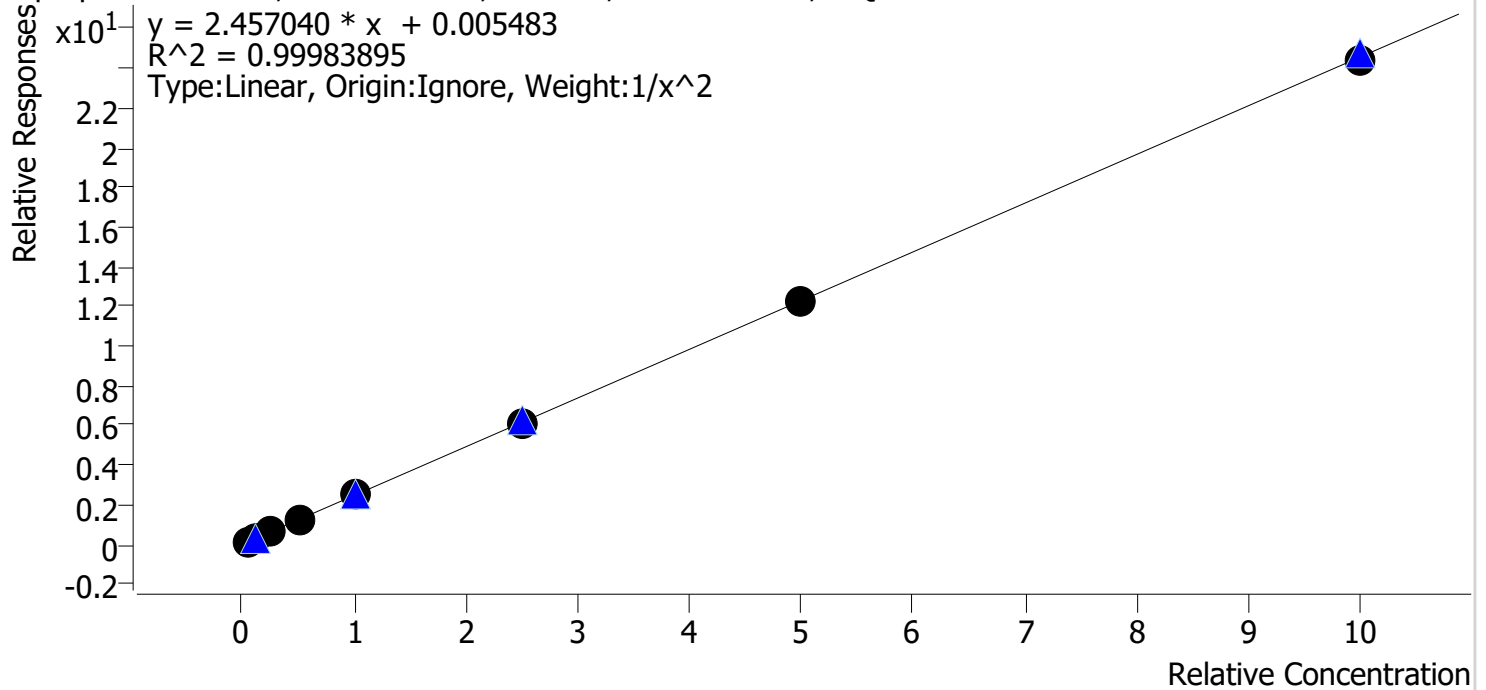


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.5	106.2
cal 2 mdq	2	✓	1.0	1.0	98.4
cal 3 mdq	3	✓	2.5	2.5	99.5
cal 4 mdq	4	✓	5.0	5.6	111.2
cal 5 mdq	5	✓	10.0	9.8	97.6
cal 6 mdq	6	✓	25.0	24.3	97.3
cal 7 mdq	7	✓	50.0	49.9	99.8
cal 8 mdq	8	✓	100.0	96.3	96.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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

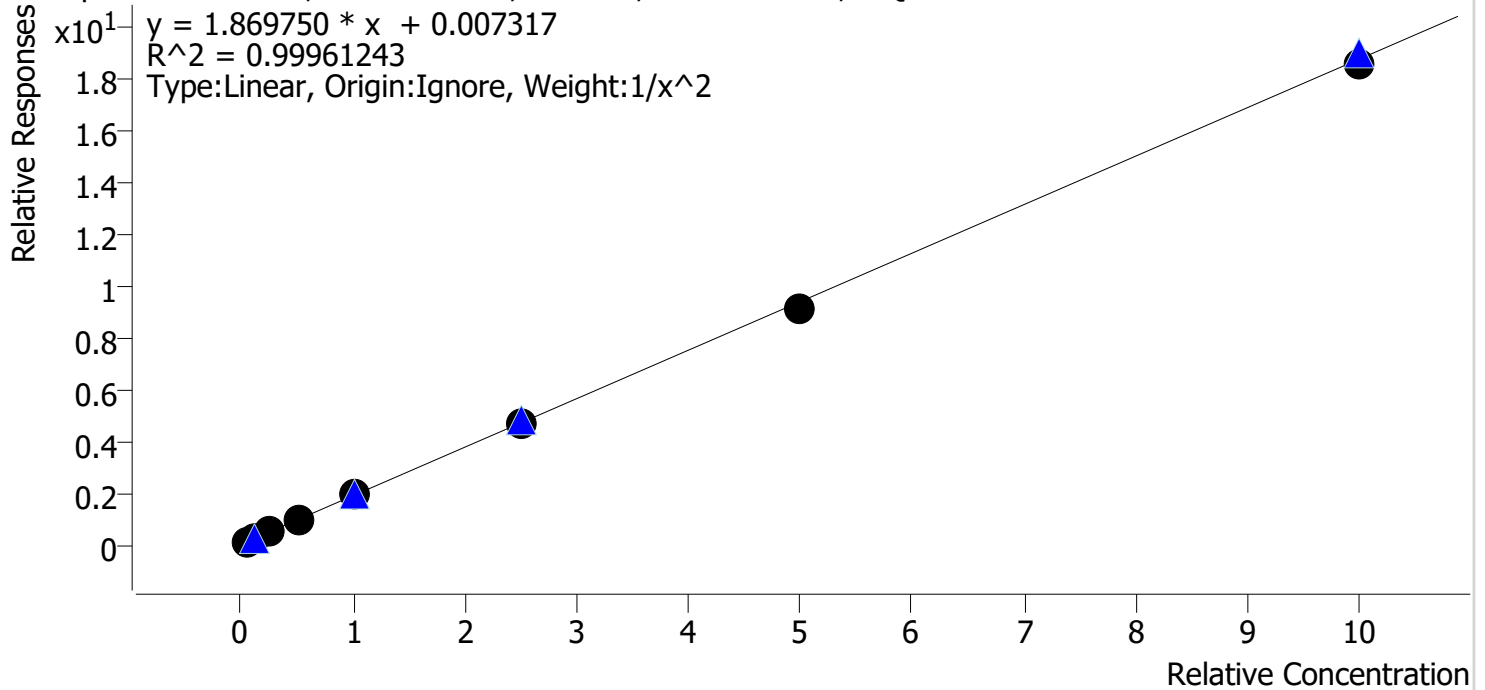


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	989.5	99.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

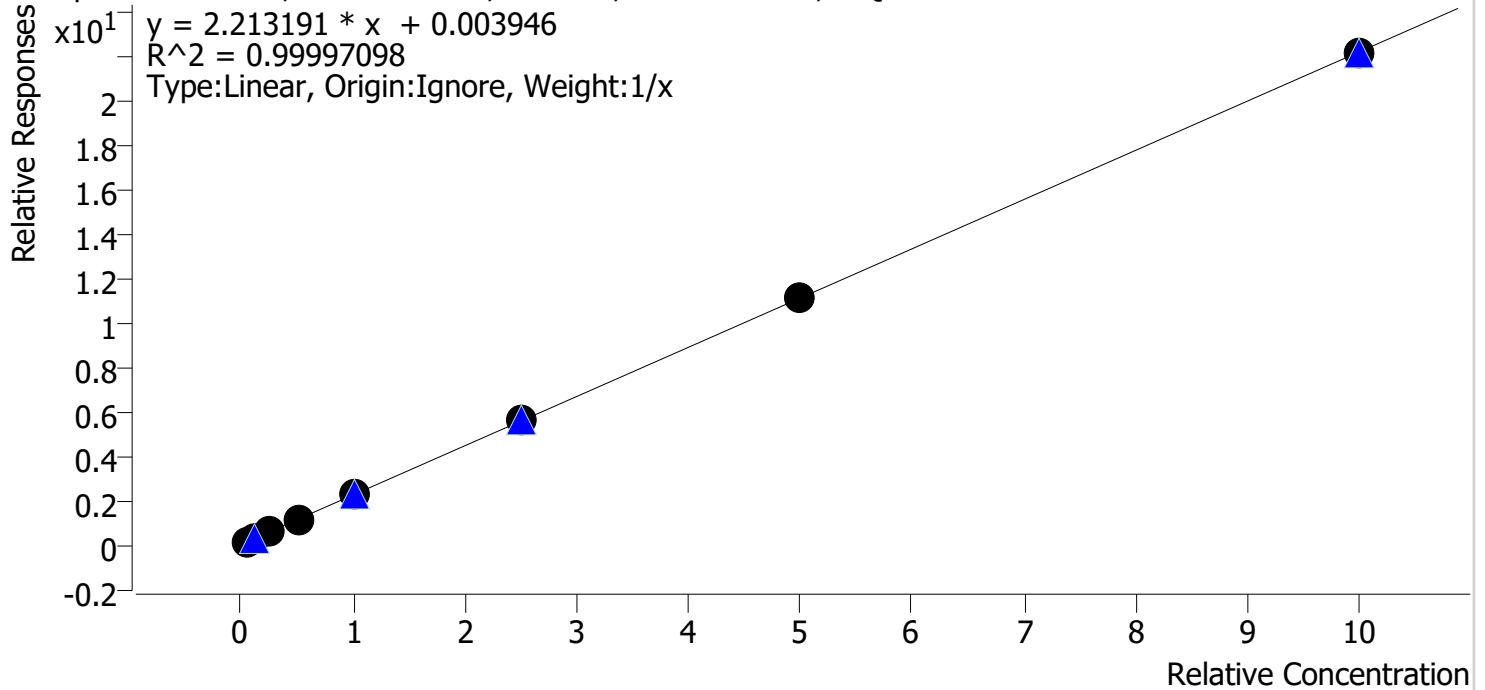


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	486.7	97.3
cal 8 mdq	8	✓	1000.0	990.9	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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

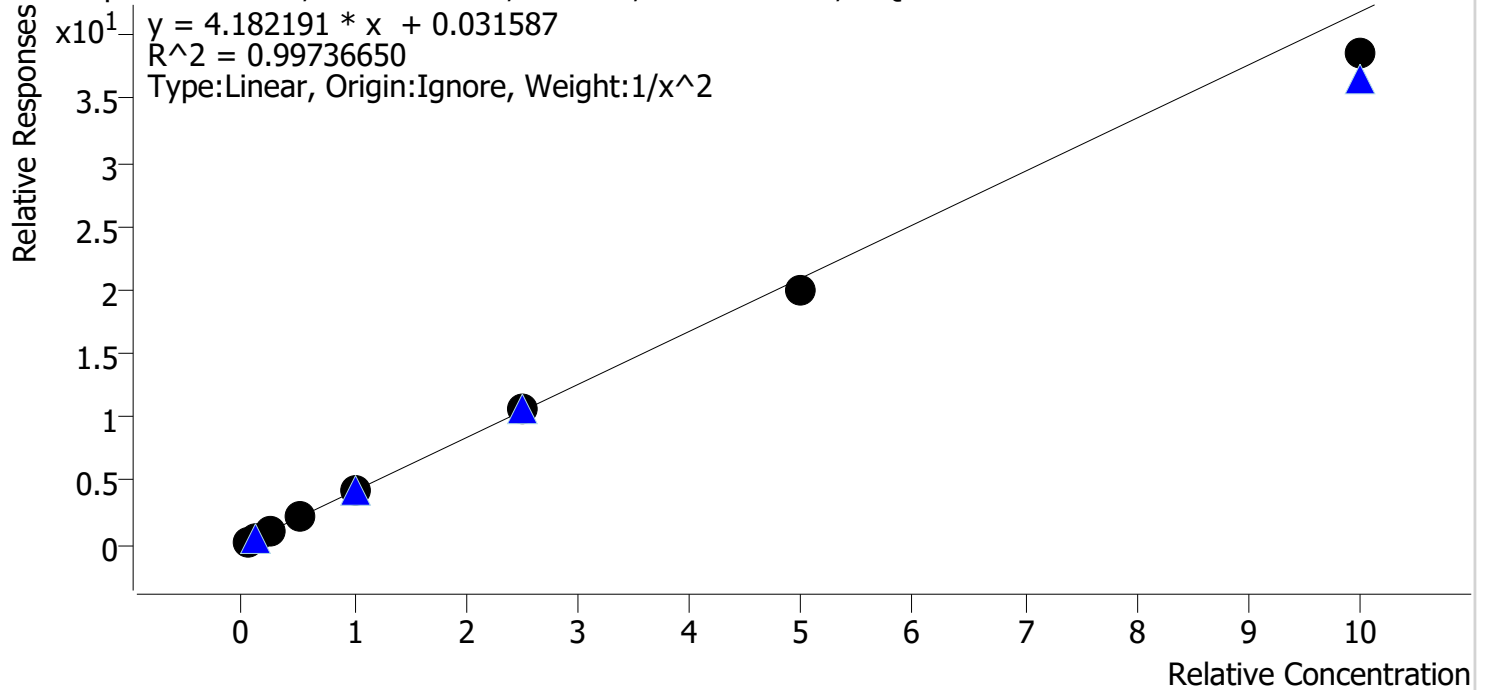


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	502.5	100.5
cal 8 mdq	8	✓	1000.0	995.8	99.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

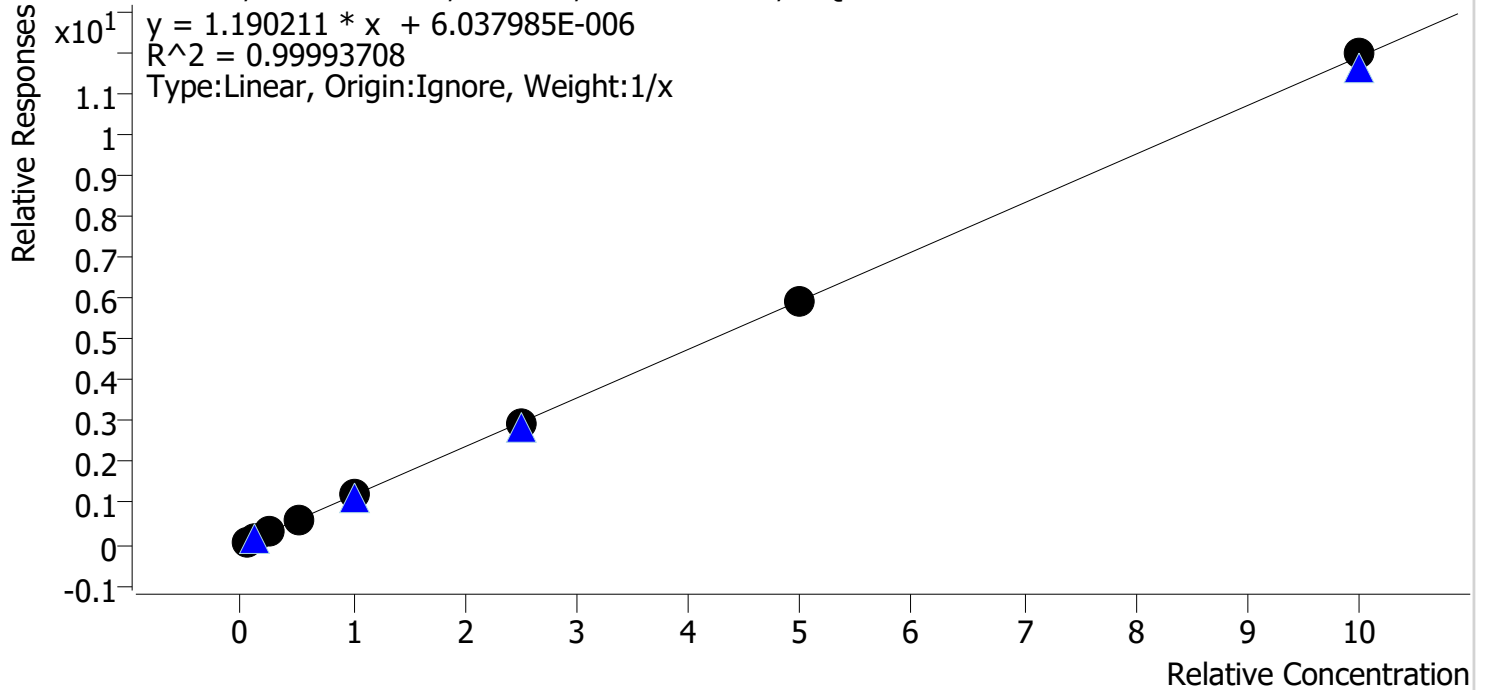


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	256.6	102.7
cal 7 mdq	7	✓	500.0	478.8	95.8
cal 8 mdq	8	✓	1000.0	921.4	92.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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

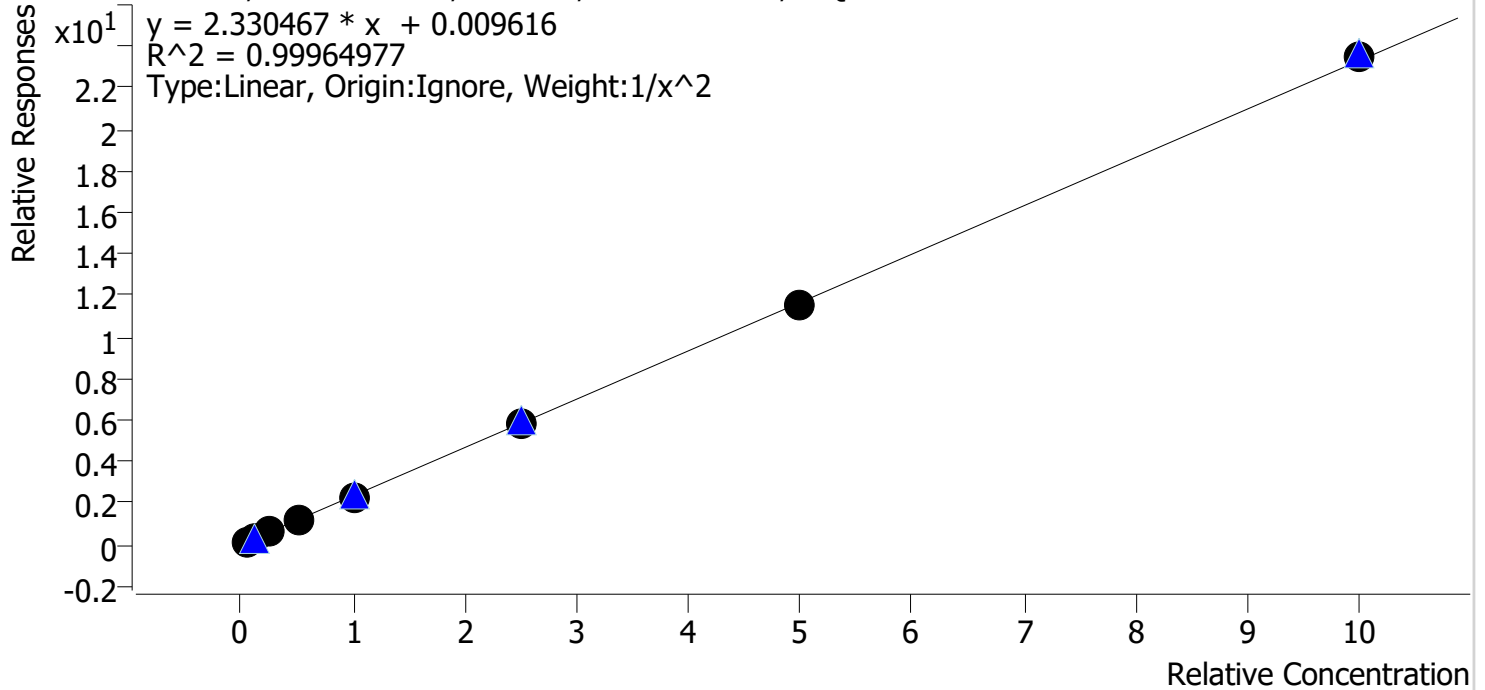


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	247.5	99.0
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	1006.6	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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

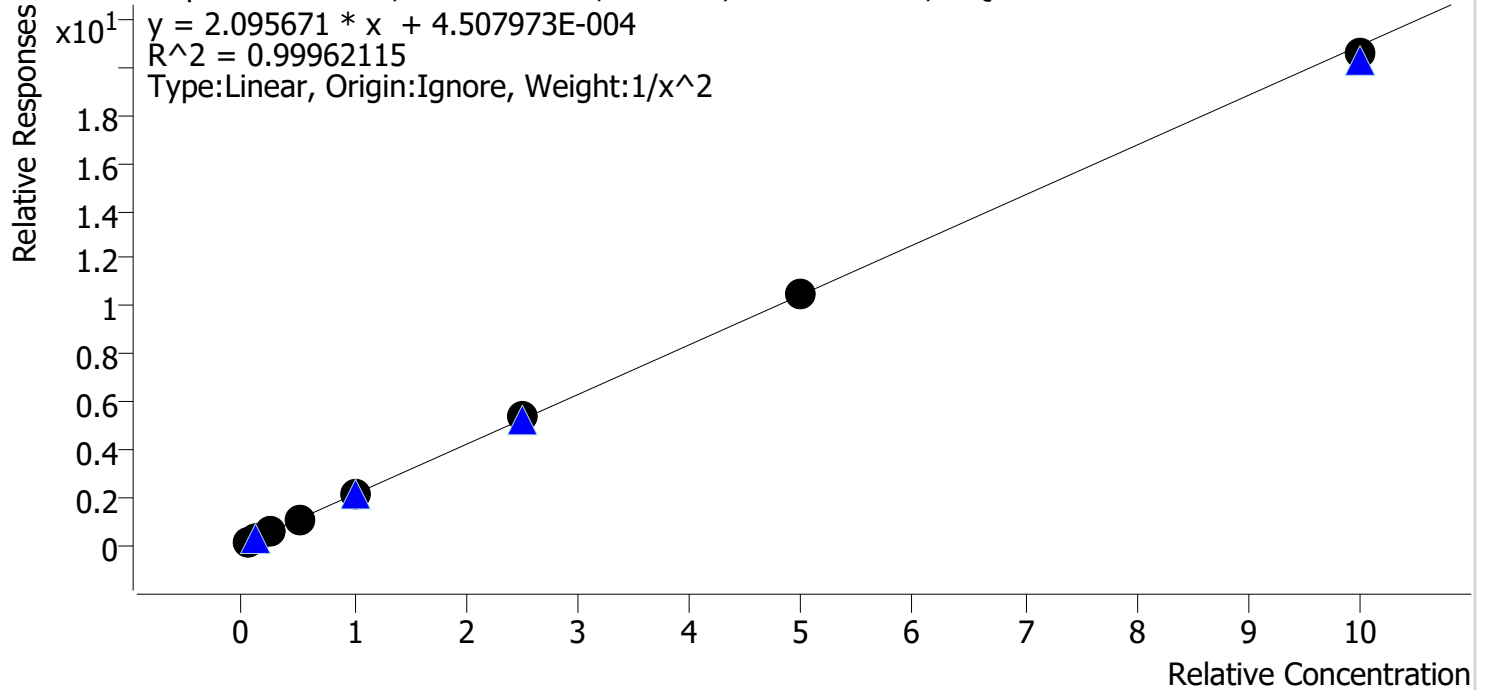


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	493.8	98.8
cal 8 mdq	8	✓	1000.0	1004.6	100.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

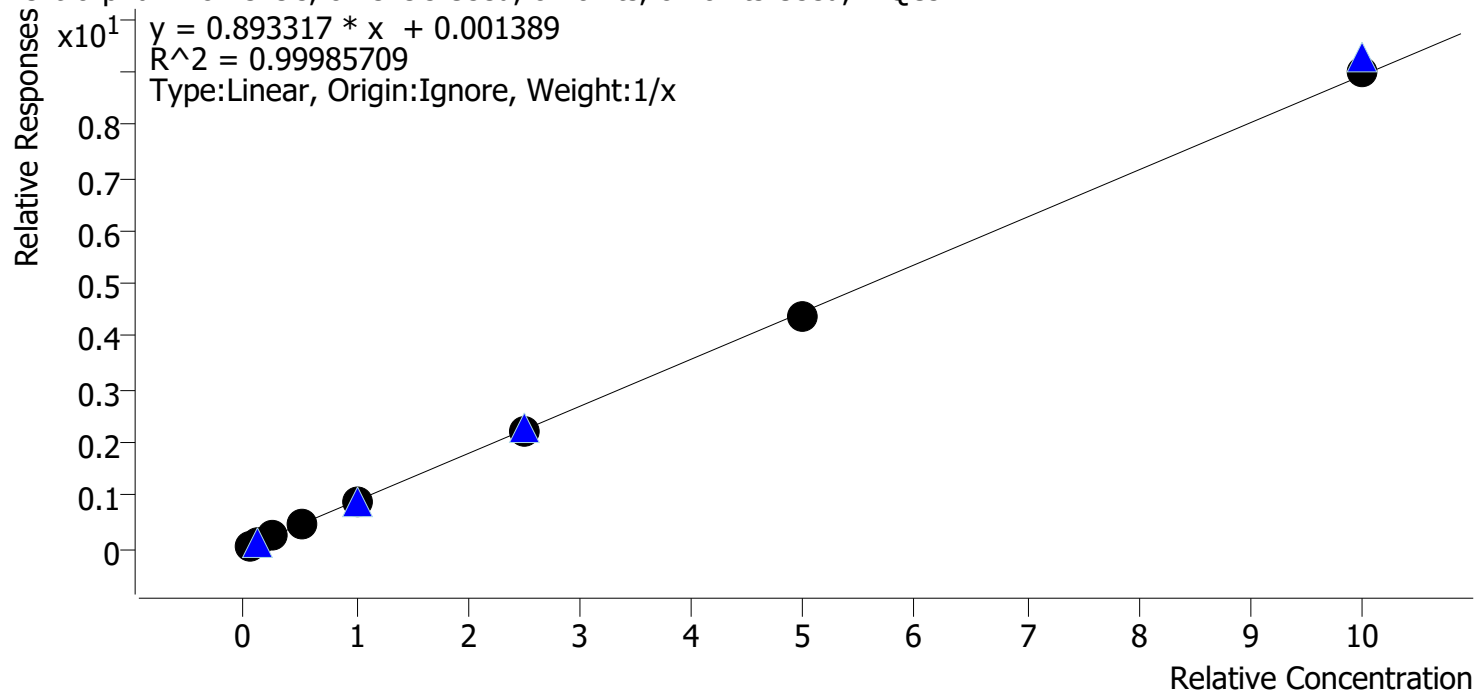


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	503.7	100.7
cal 8 mdq	8	✓	1000.0	983.7	98.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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

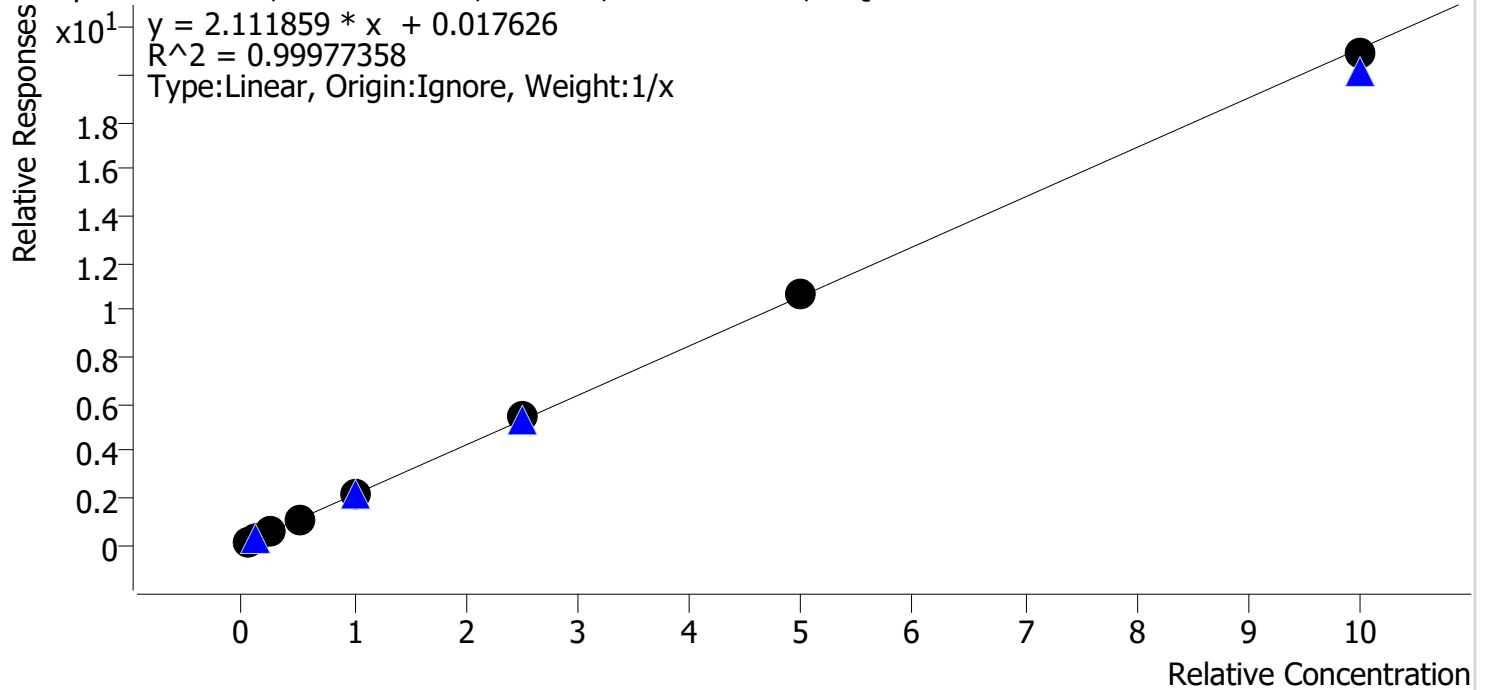


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	492.1	98.4
cal 8 mdq	8	✓	1000.0	1009.8	101.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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

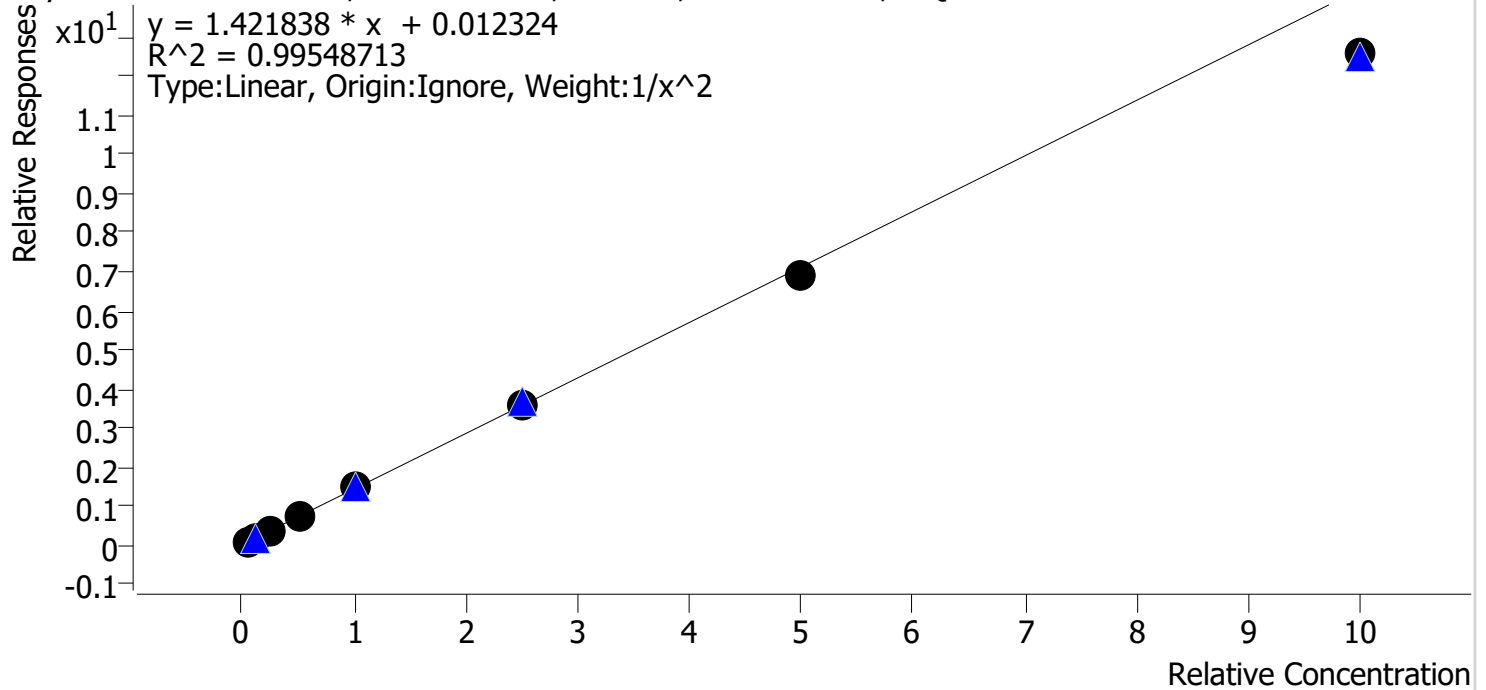


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	52.1	104.1
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	989.6	99.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

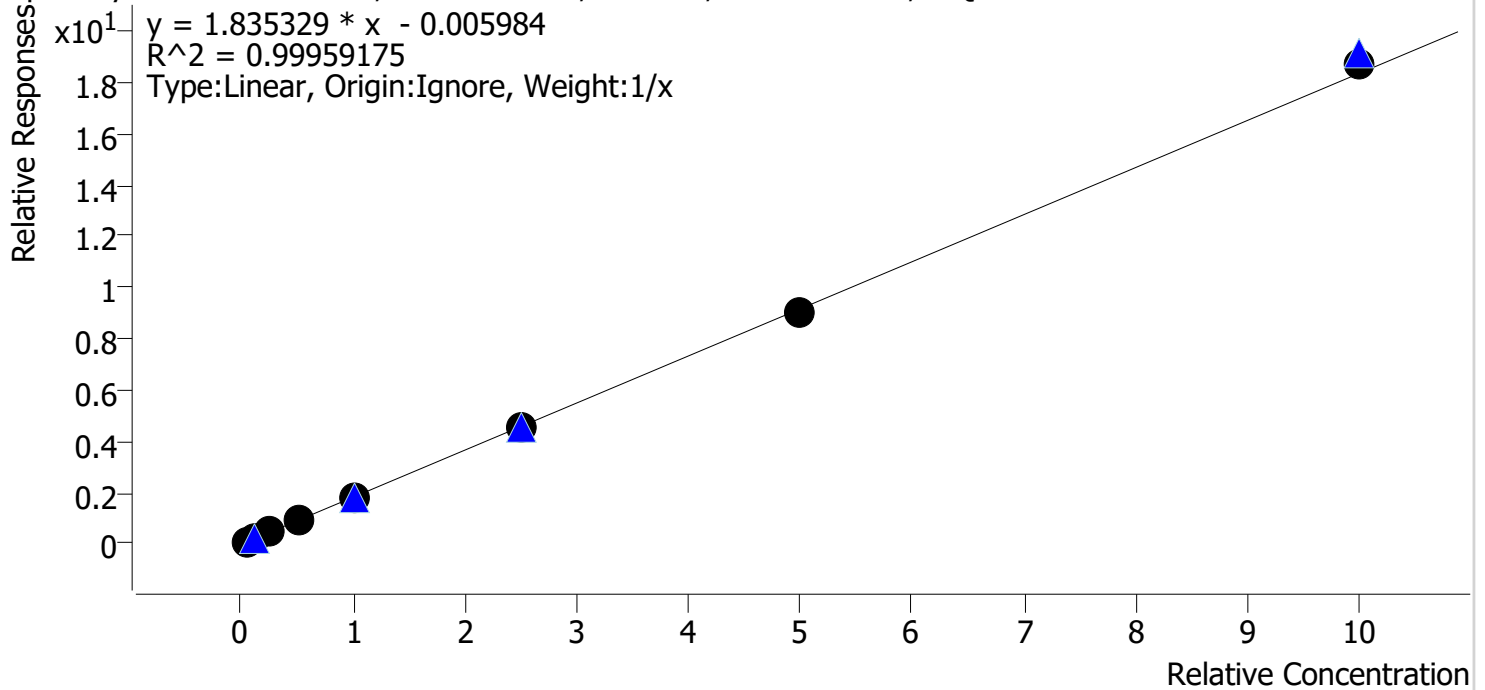


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	485.6	97.1
cal 8 mdq	8	✓	1000.0	884.2	88.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

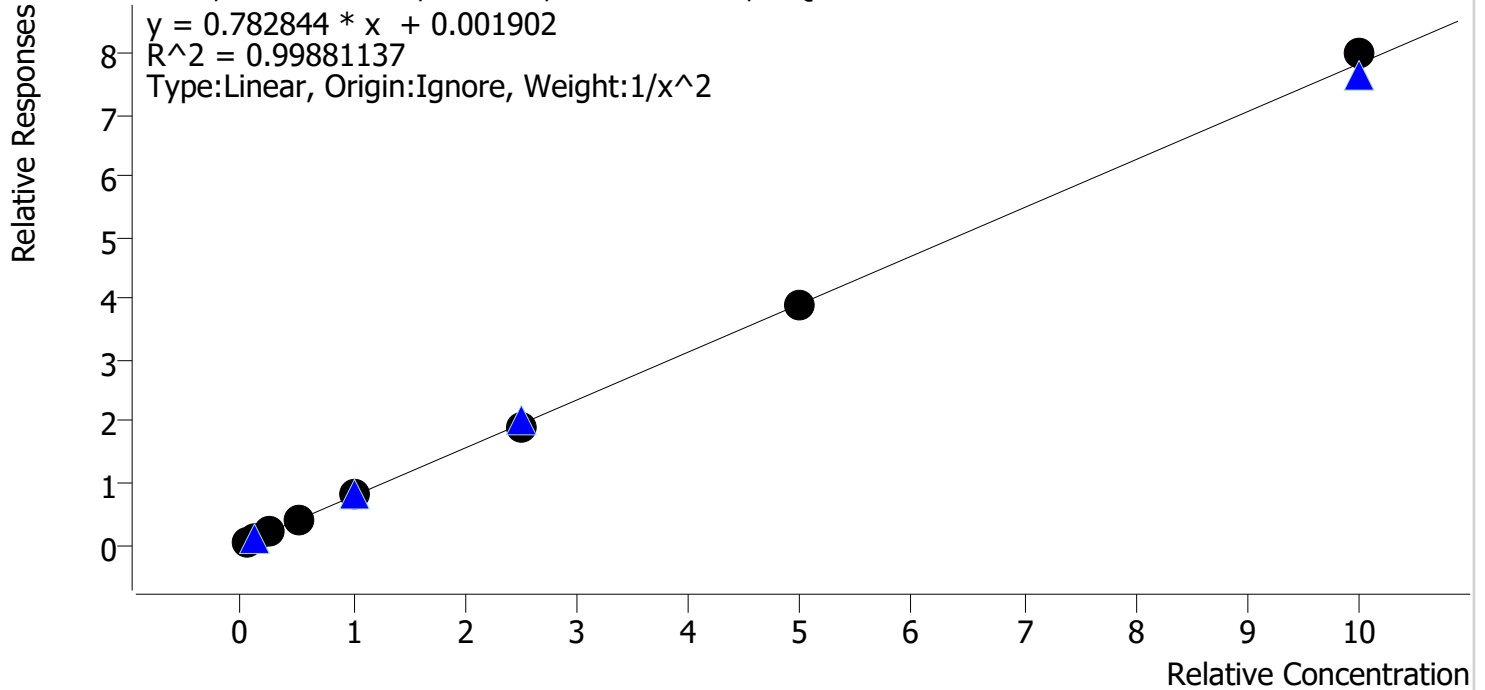


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.0
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	246.1	98.5
cal 7 mdq	7	✓	500.0	490.5	98.1
cal 8 mdq	8	✓	1000.0	1017.6	101.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

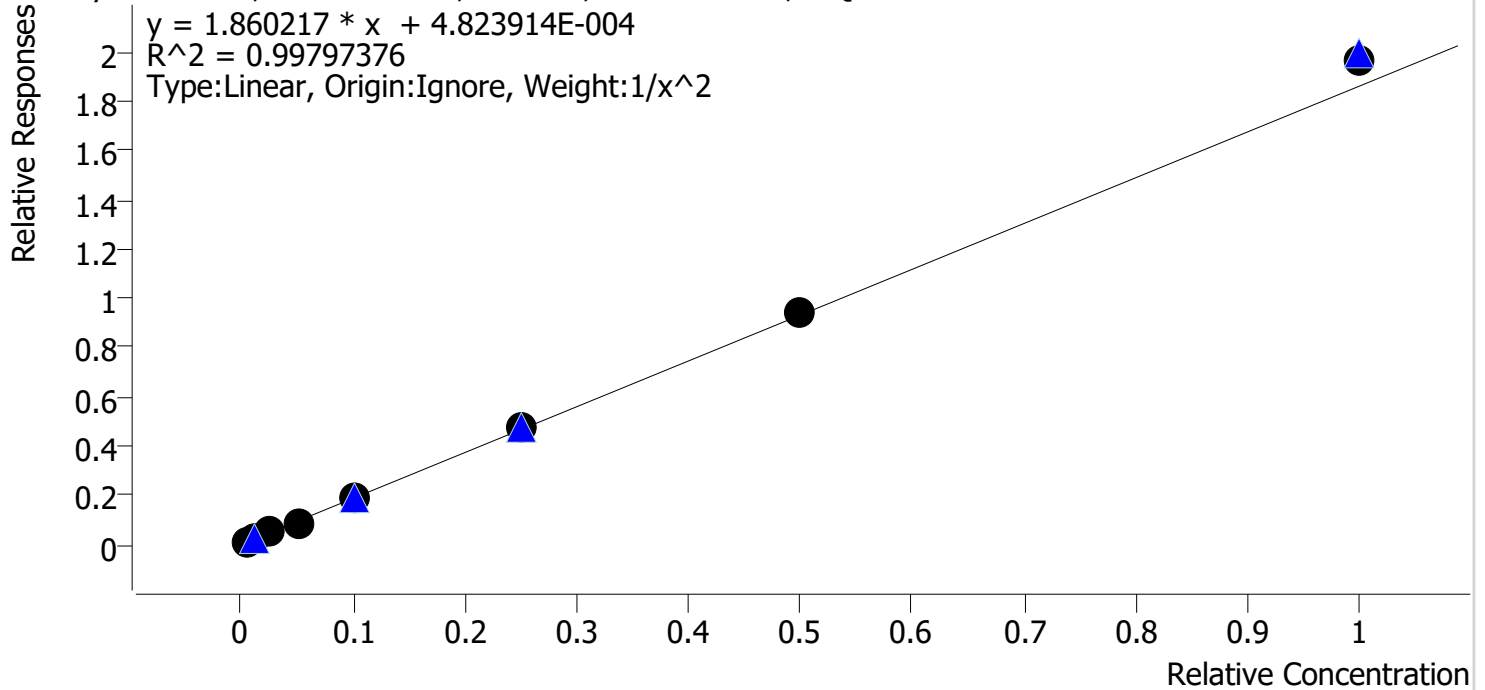


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.4	93.6
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	499.6	99.9
cal 8 mdq	8	✓	1000.0	1020.9	102.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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

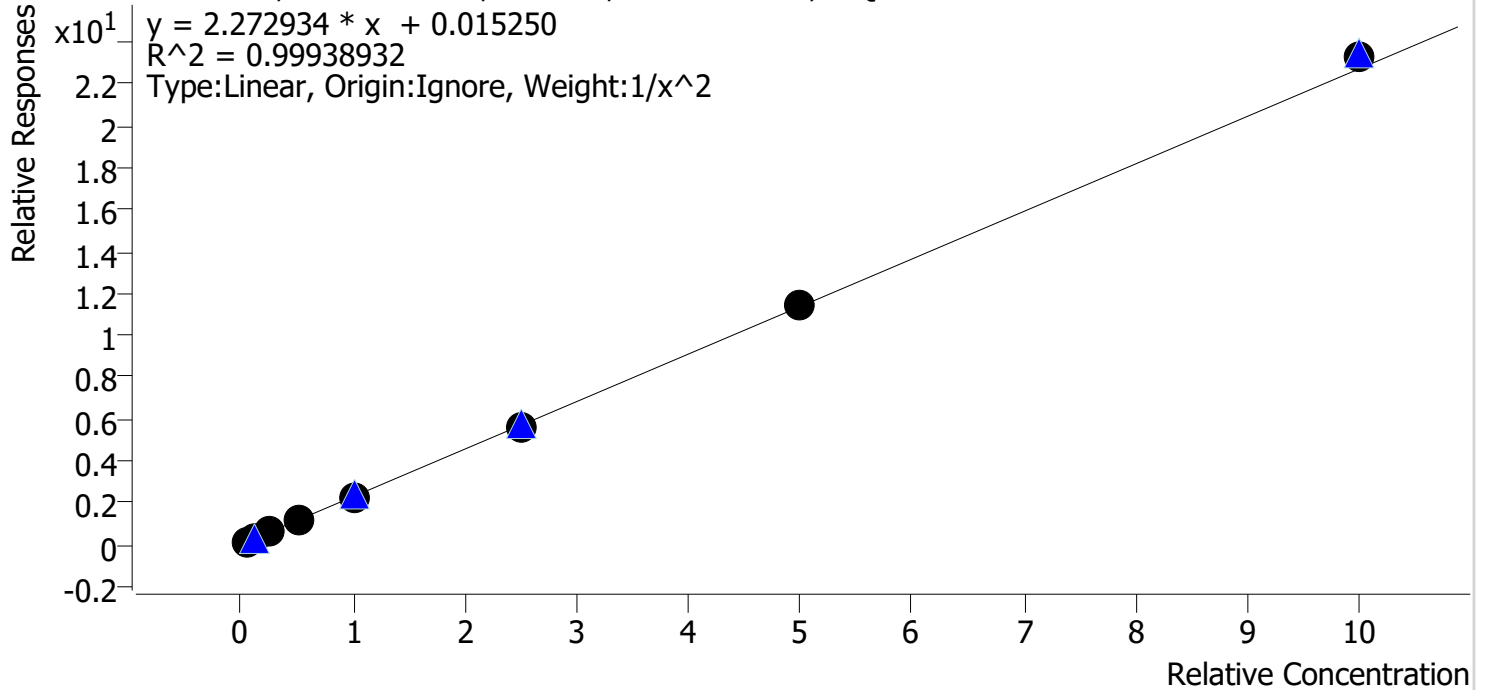


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.6
cal 2 mdq	2	✓	1.0	0.9	93.6
cal 3 mdq	3	✓	2.5	2.5	99.9
cal 4 mdq	4	✓	5.0	4.8	96.7
cal 5 mdq	5	✓	10.0	9.8	97.9
cal 6 mdq	6	✓	25.0	25.2	100.8
cal 7 mdq	7	✓	50.0	50.8	101.7
cal 8 mdq	8	✓	100.0	105.8	105.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

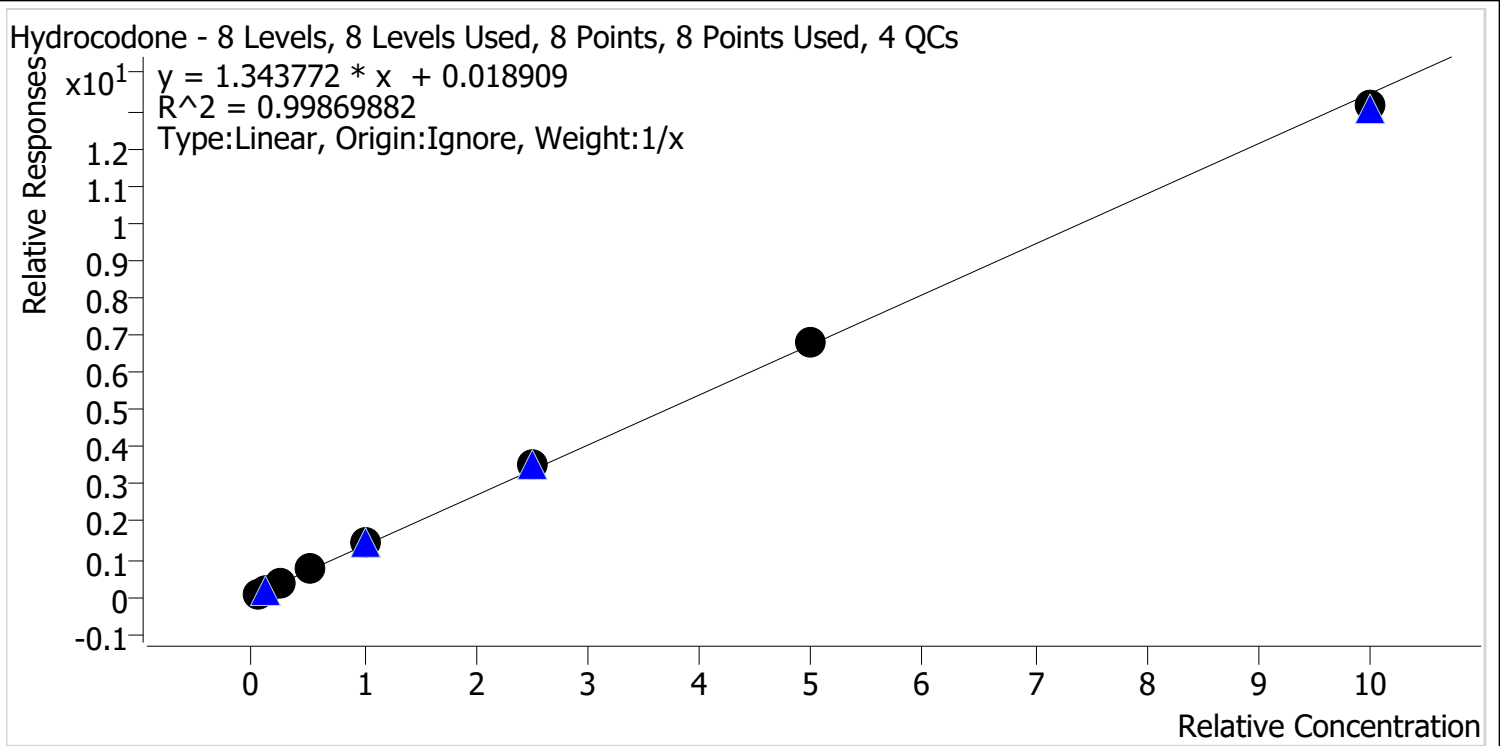
Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.7	96.9
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	244.6	97.9
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	1028.1	102.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

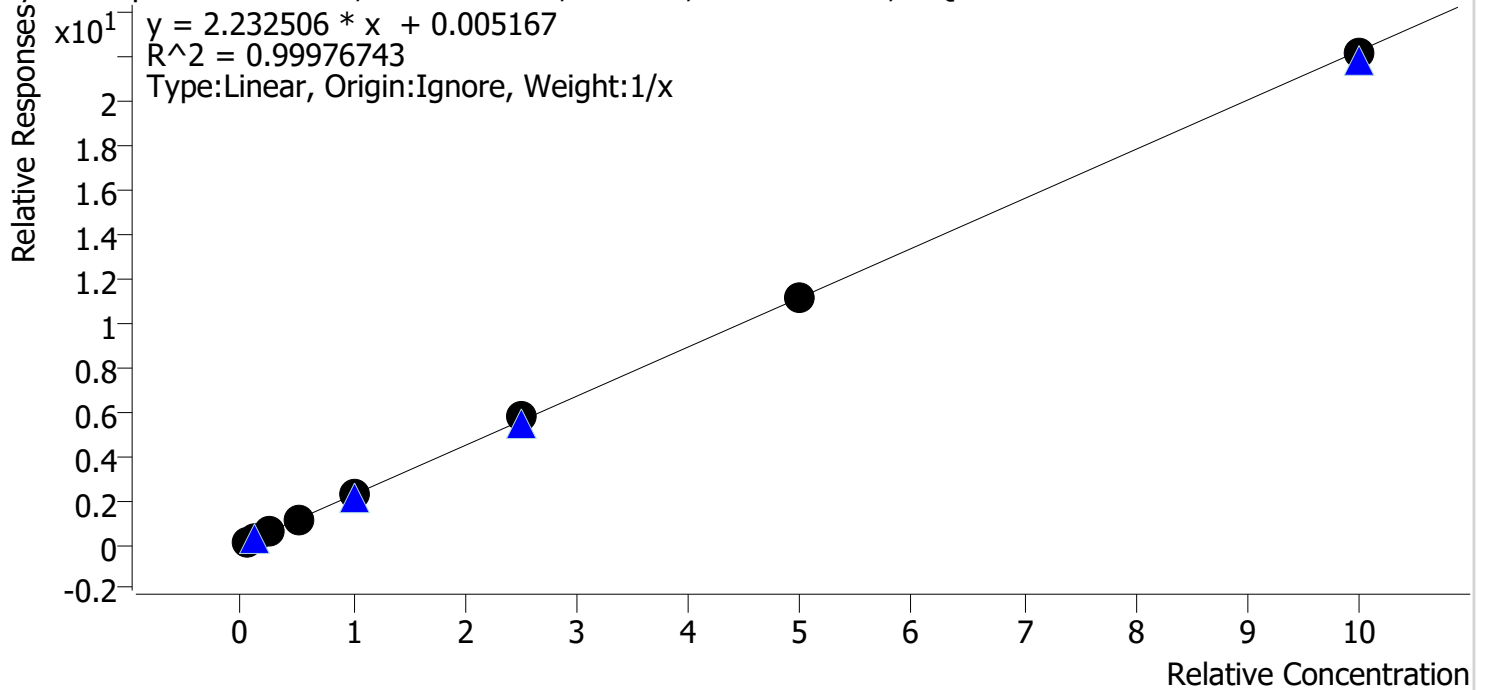


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	85.0
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	54.8	109.5
cal 5 mdq	5	✓	100.0	108.1	108.1
cal 6 mdq	6	✓	250.0	260.8	104.3
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	975.9	97.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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

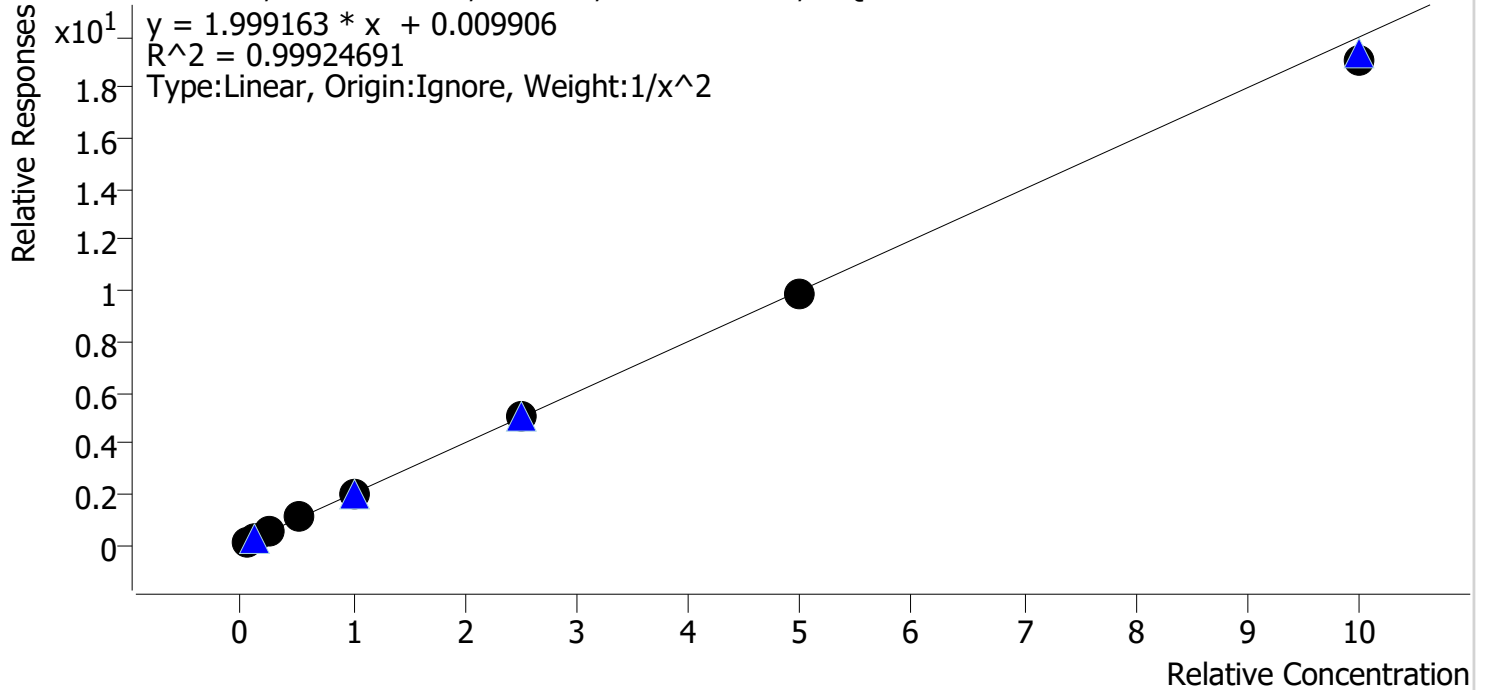


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	259.3	103.7
cal 7 mdq	7	✓	500.0	497.0	99.4
cal 8 mdq	8	✓	1000.0	994.4	99.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

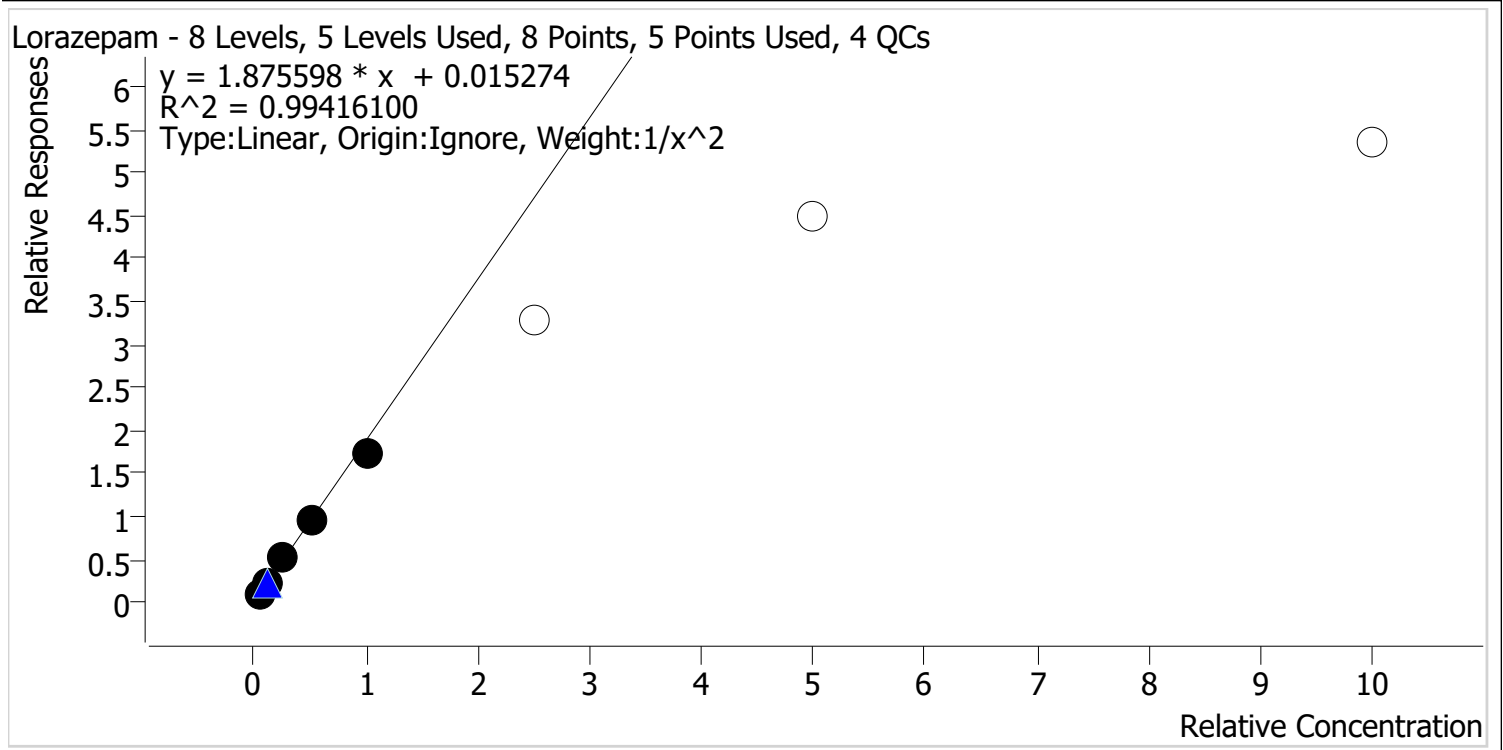
Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	51.8	103.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	953.2	95.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Diazepam-D5

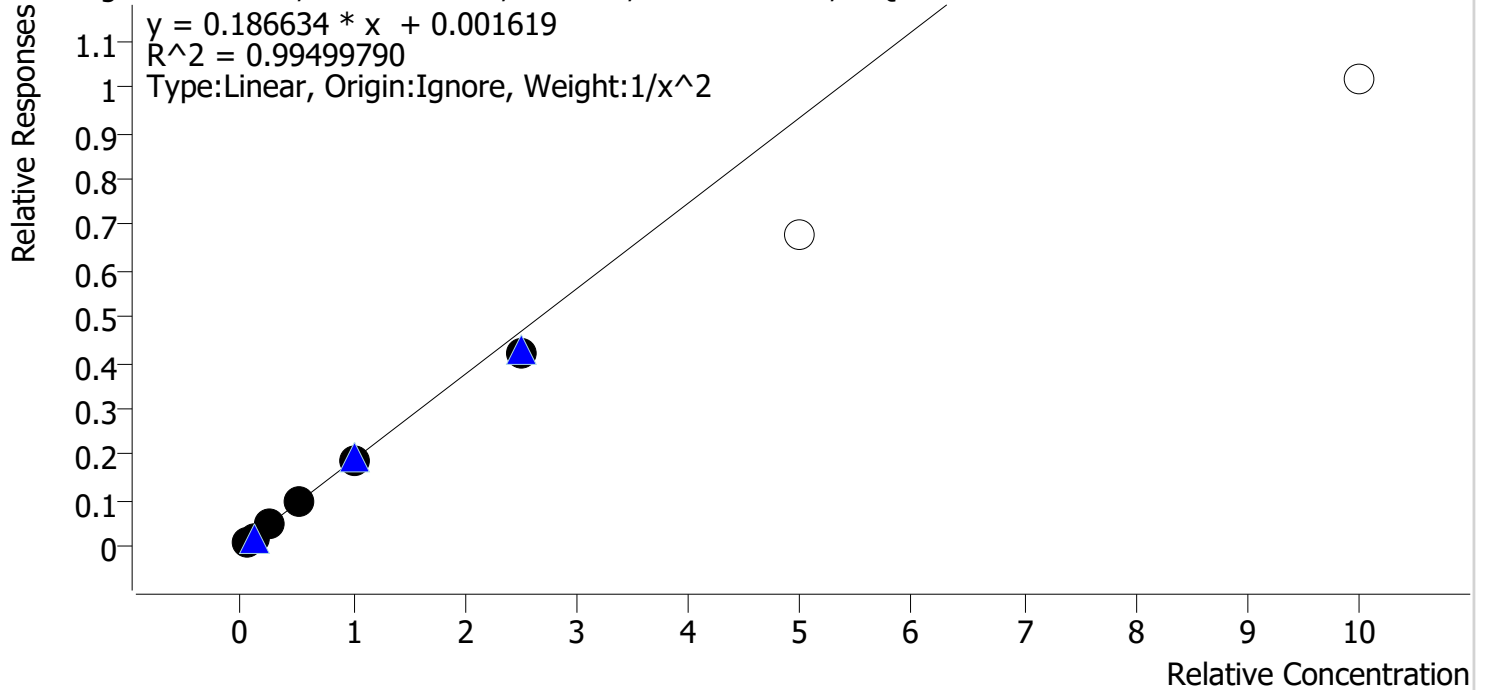


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	26.6	106.5
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	91.4	91.4
cal 6 mdq	6	✗	250.0	174.1	69.6
cal 7 mdq	7	✗	500.0	238.3	47.7
cal 8 mdq	8	✗	1000.0	283.8	28.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

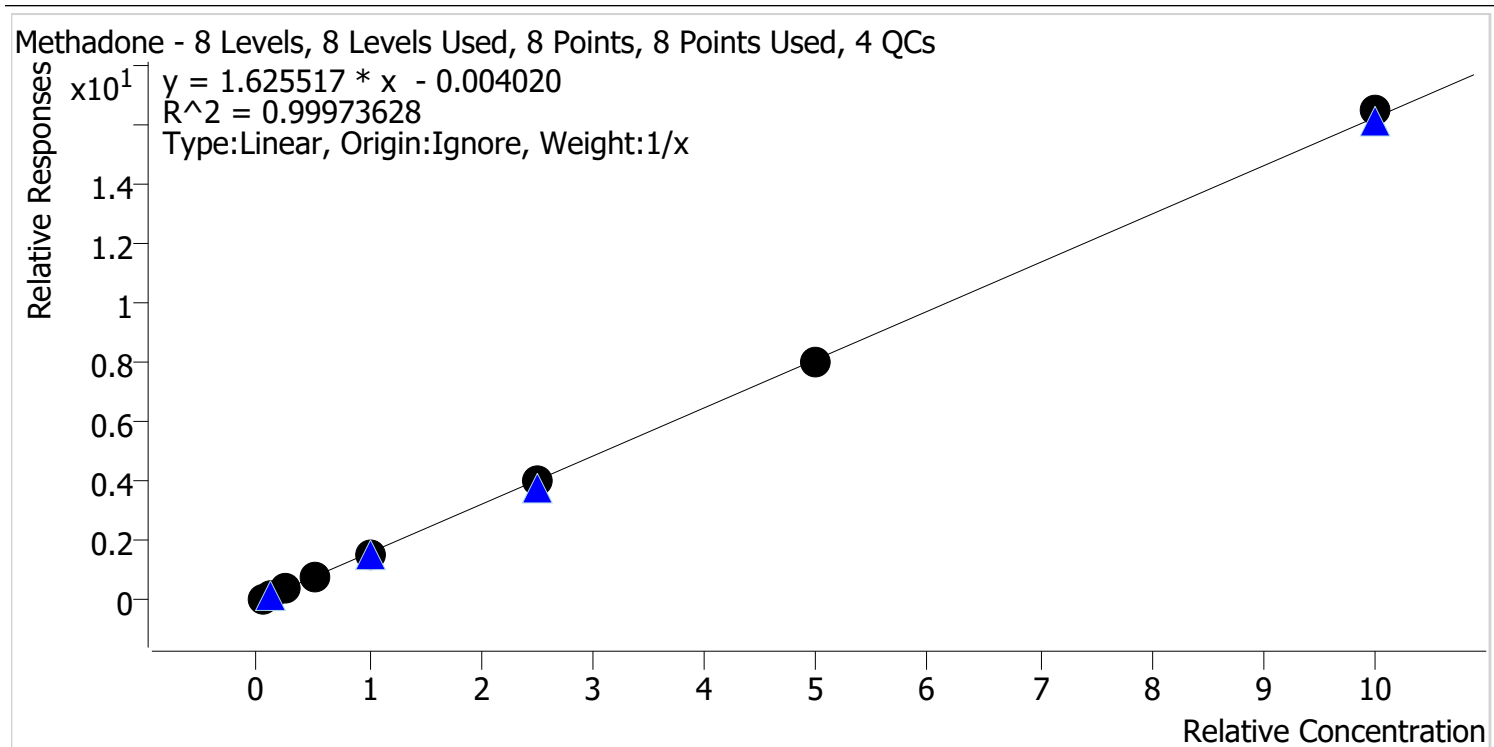
Lamotrigine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	26.3	105.0
cal 4 mdq	4	✓	50.0	52.8	105.7
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	224.7	89.9
cal 7 mdq	7	✗	500.0	363.8	72.8
cal 8 mdq	8	✗	1000.0	543.8	54.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

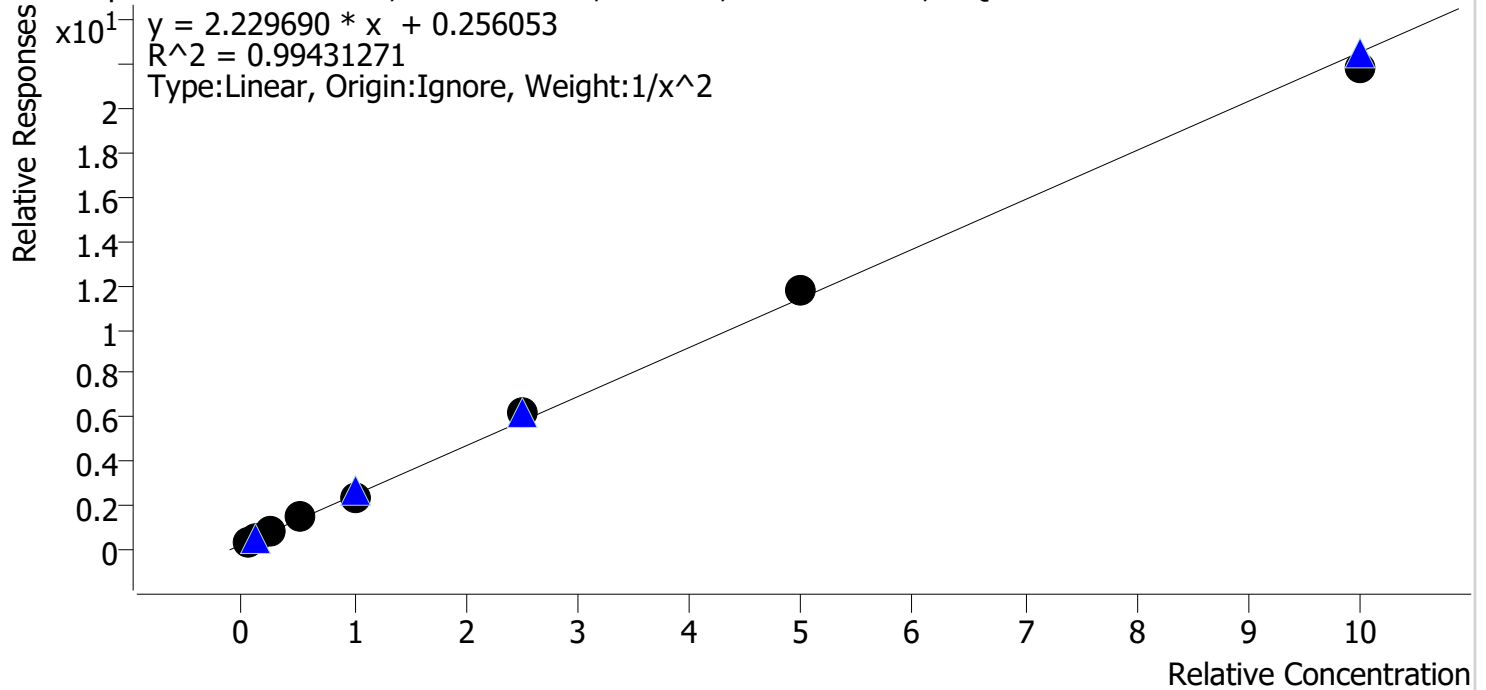


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.1
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	1014.2	101.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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

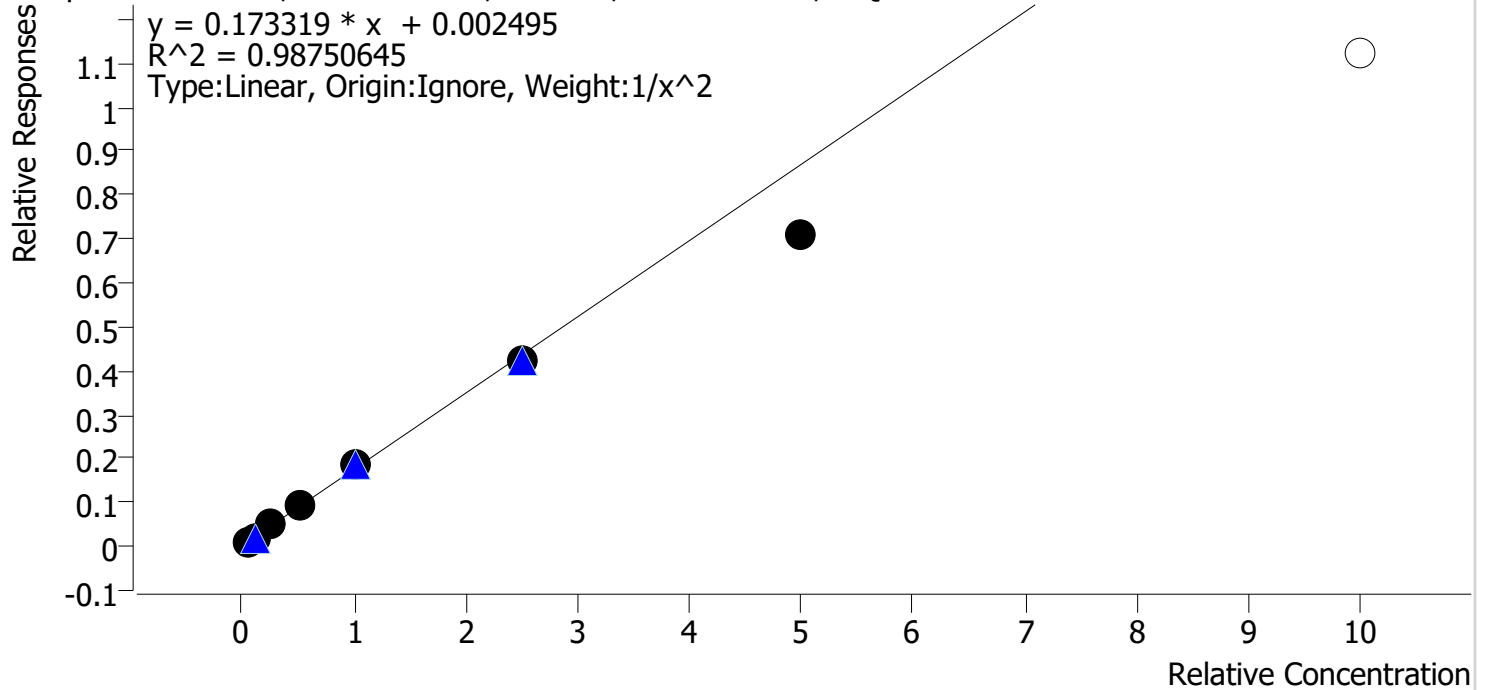


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	9.0	90.2
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	53.2	106.3
cal 5 mdq	5	✓	100.0	91.0	91.0
cal 6 mdq	6	✓	250.0	267.4	106.9
cal 7 mdq	7	✓	500.0	513.2	102.6
cal 8 mdq	8	✓	1000.0	969.9	97.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Doxylamine-D5

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

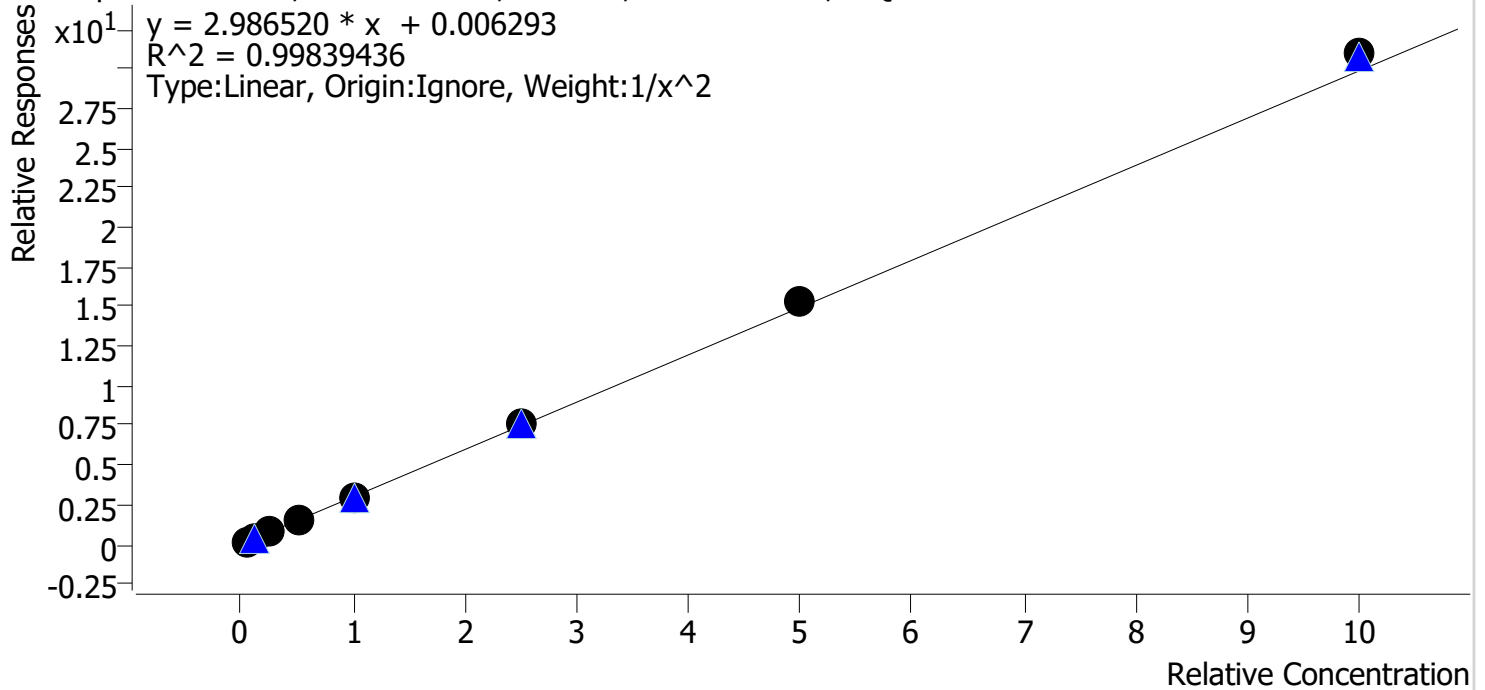


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.8
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	54.3	108.7
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	244.1	97.6
cal 7 mdq	7	✓	500.0	406.7	81.3
cal 8 mdq	8	✗	1000.0	645.3	64.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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

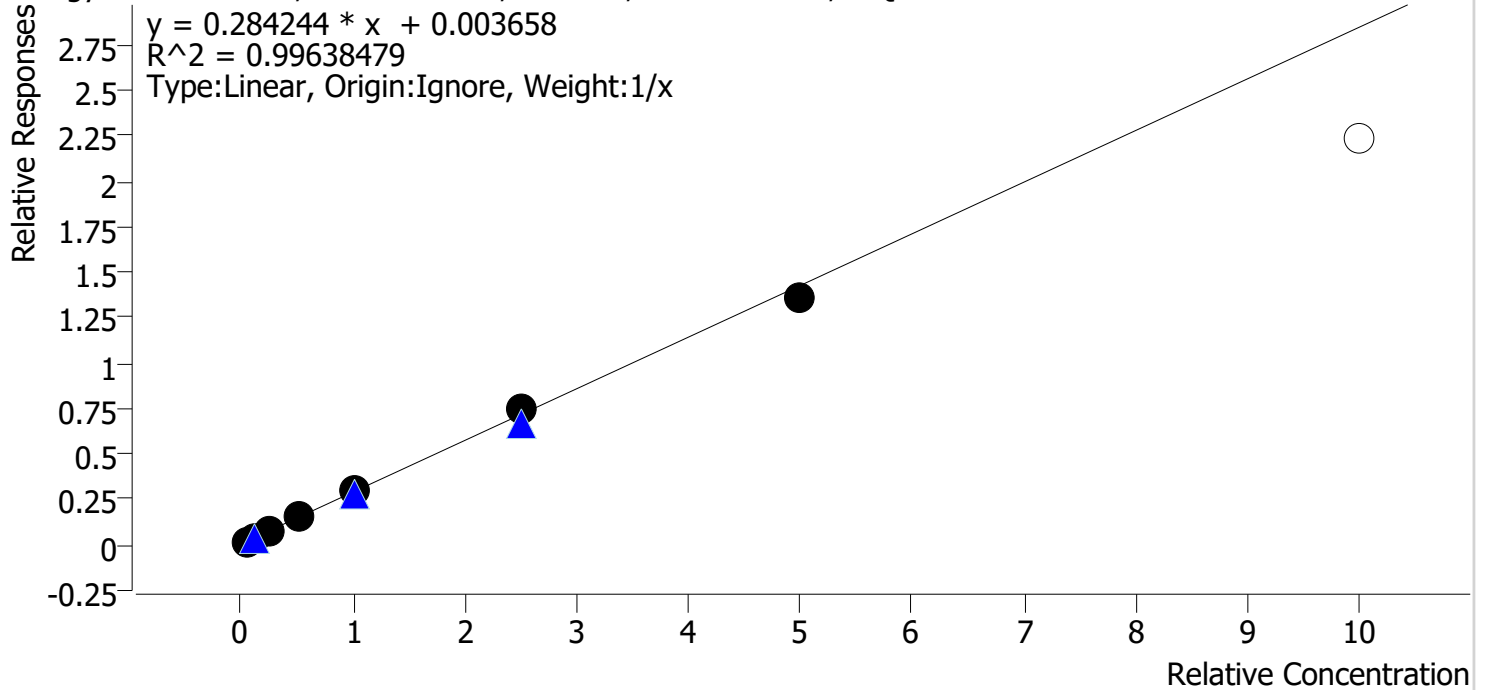


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	24.0	95.9
cal 4 mdq	4	✓	50.0	49.1	98.3
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	257.9	103.1
cal 7 mdq	7	✓	500.0	513.2	102.6
cal 8 mdq	8	✓	1000.0	1036.4	103.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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

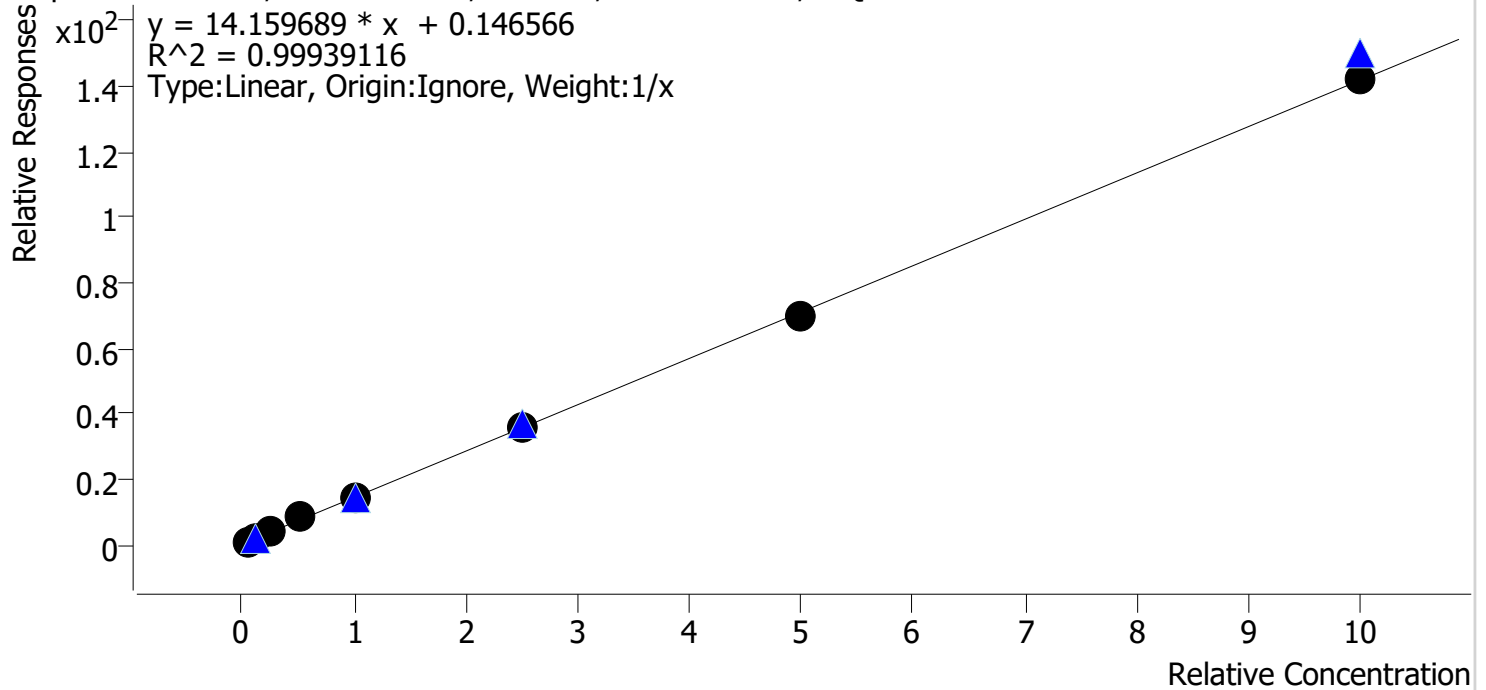


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.7	74.3
cal 2 mdq	2	✓	10.0	10.5	104.7
cal 3 mdq	3	✓	25.0	27.1	108.4
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	106.5	106.5
cal 6 mdq	6	✓	250.0	263.3	105.3
cal 7 mdq	7	✓	500.0	476.2	95.2
cal 8 mdq	8	x	1000.0	788.6	78.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

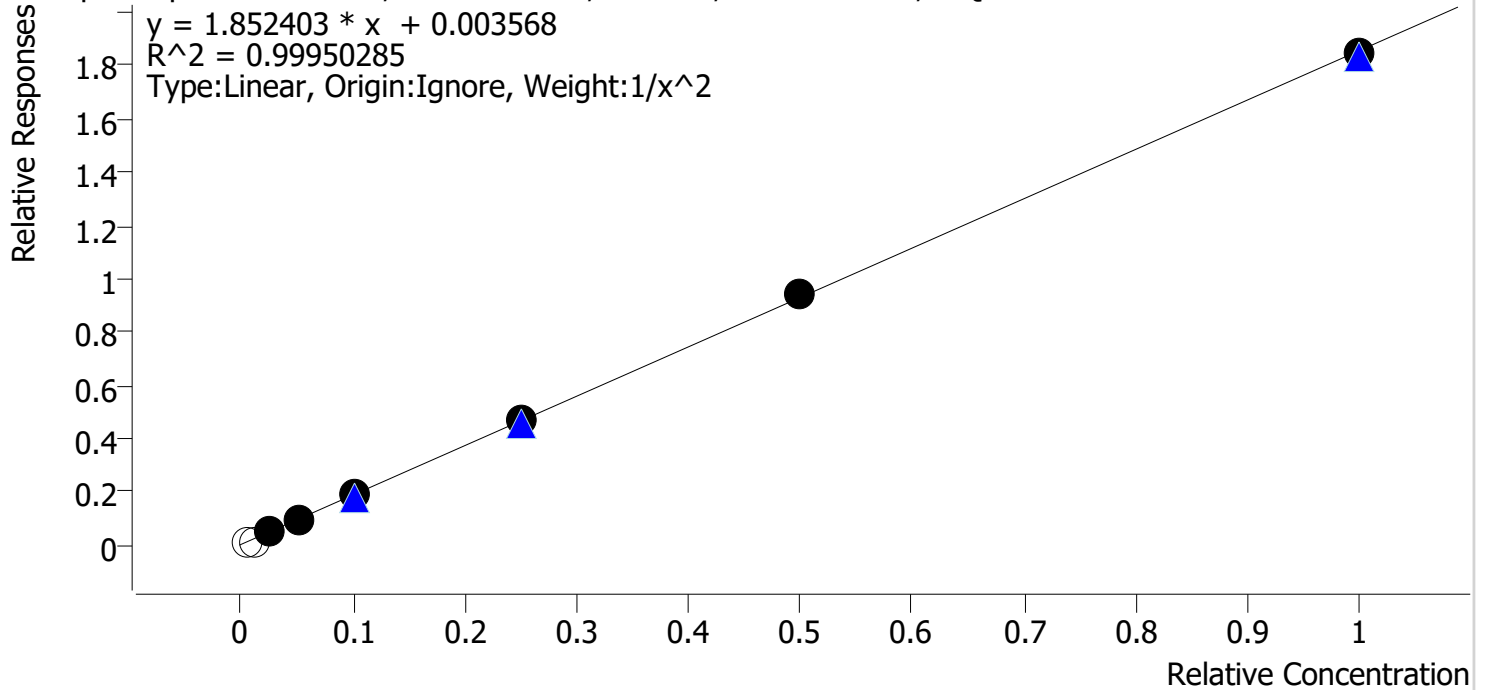


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	87.9
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	55.7	111.4
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	250.1	100.1
cal 7 mdq	7	✓	500.0	488.2	97.6
cal 8 mdq	8	✓	1000.0	1004.0	100.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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

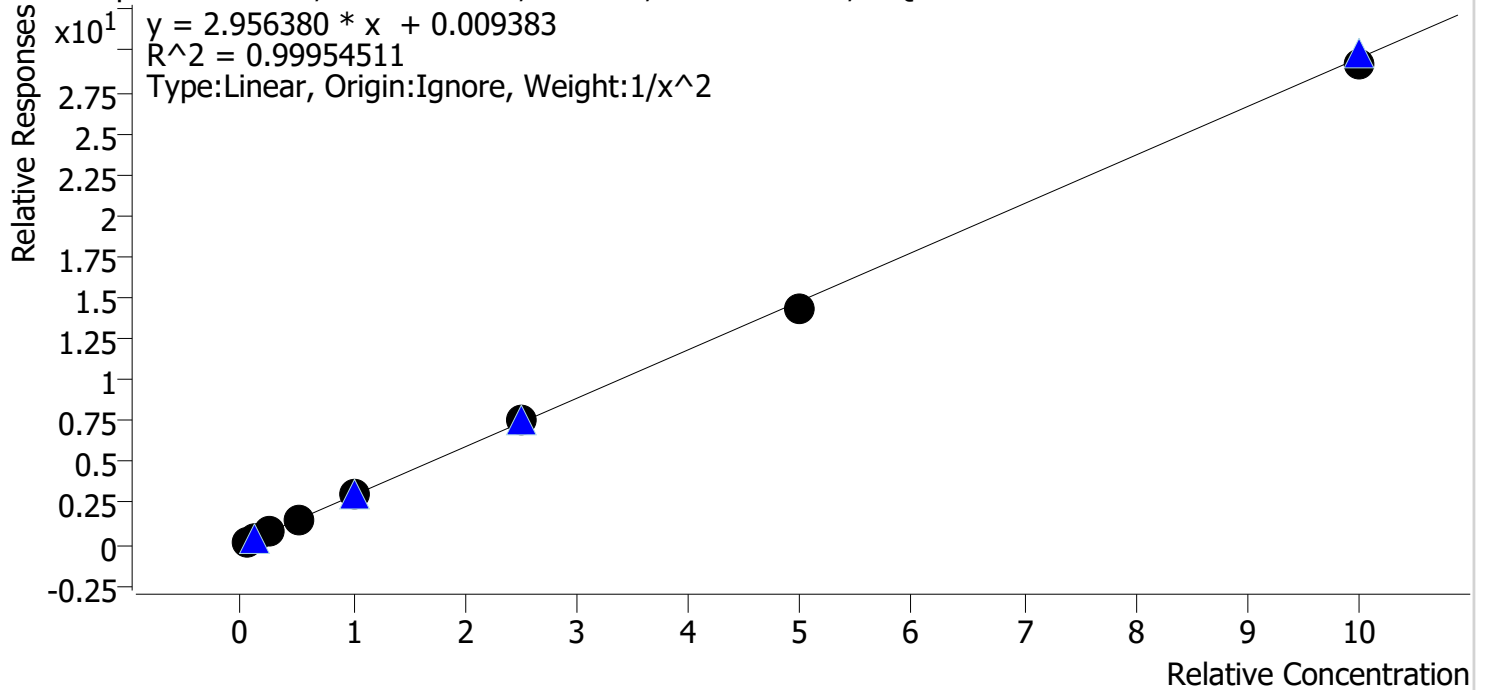


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.5	102.7
cal 2 mdq	2	x	1.0	0.7	71.8
cal 3 mdq	3	✓	2.5	2.5	101.5
cal 4 mdq	4	✓	5.0	4.8	96.8
cal 5 mdq	5	✓	10.0	10.0	99.7
cal 6 mdq	6	✓	25.0	25.3	101.4
cal 7 mdq	7	✓	50.0	50.6	101.2
cal 8 mdq	8	✓	100.0	99.4	99.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

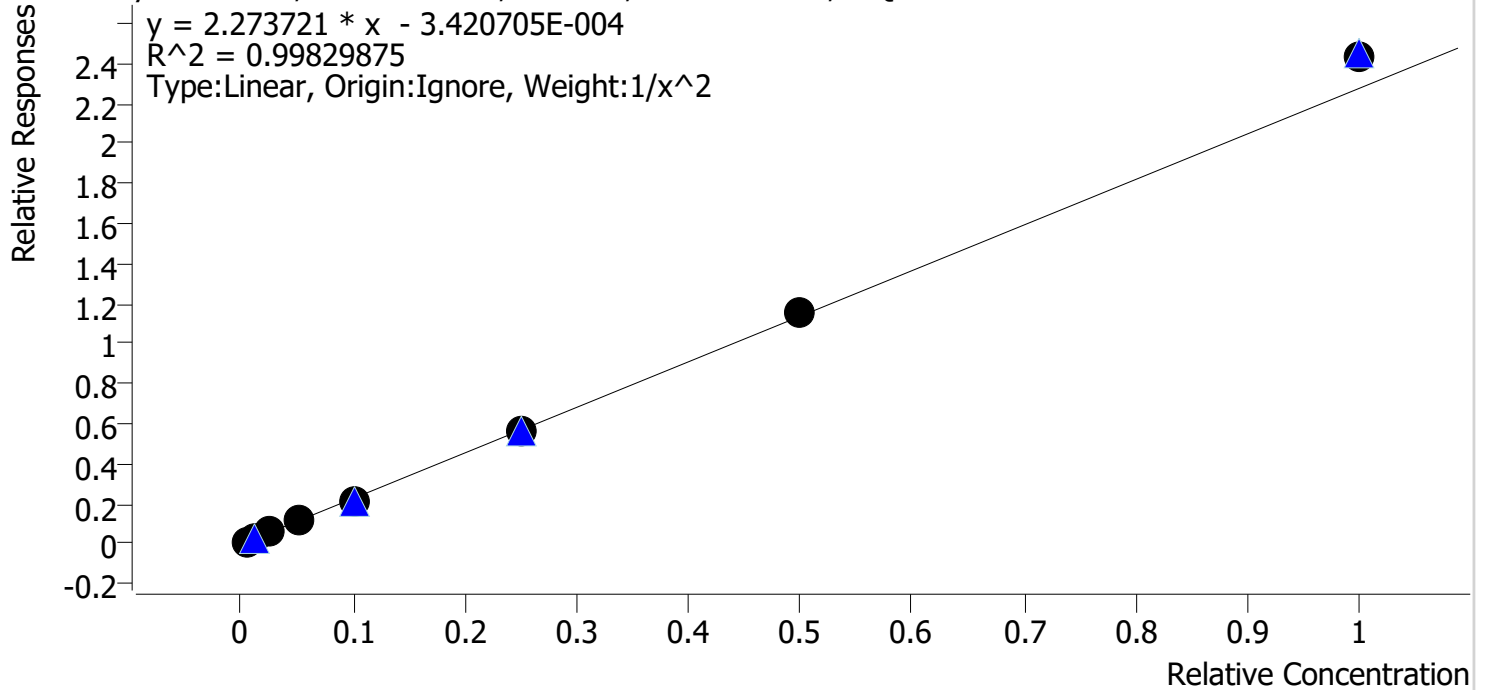


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	486.1	97.2
cal 8 mdq	8	✓	1000.0	983.8	98.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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

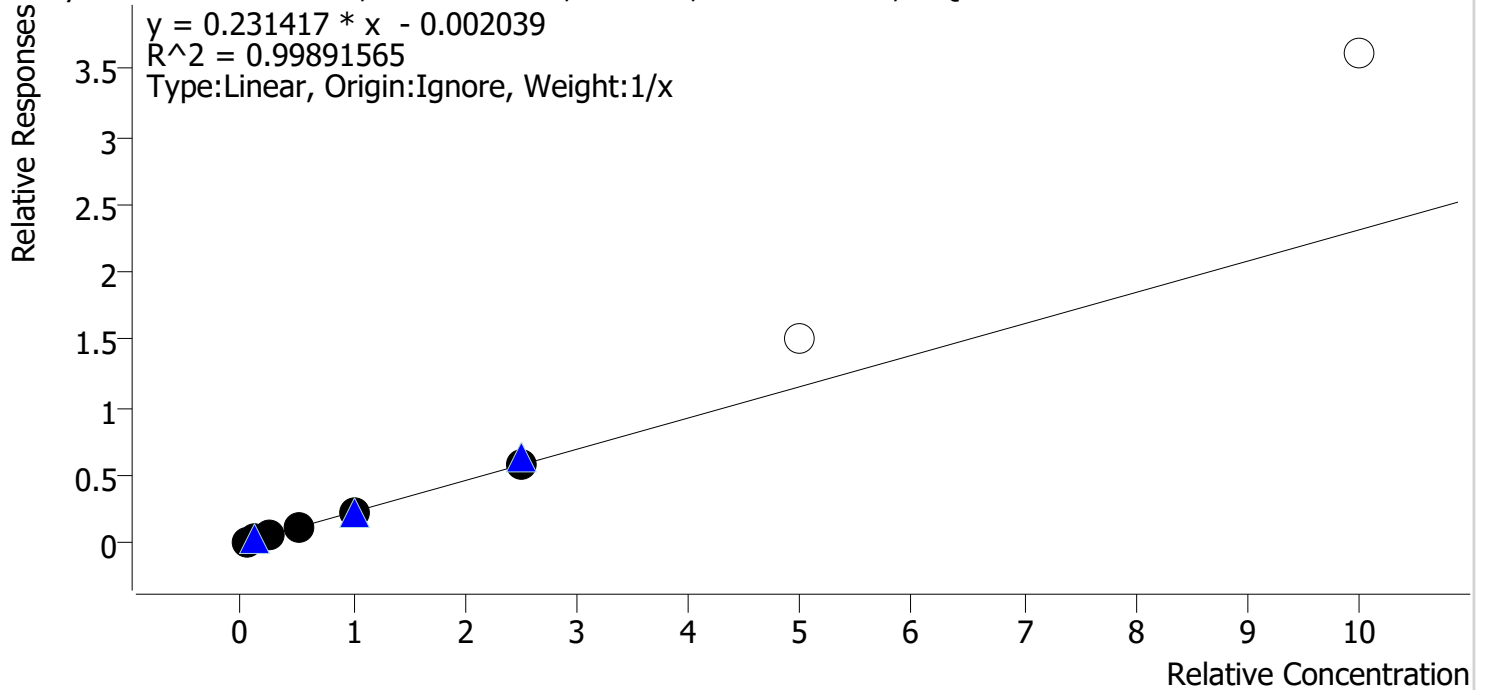


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.8
cal 2 mdq	2	✓	1.0	1.0	98.2
cal 3 mdq	3	✓	2.5	2.4	96.6
cal 4 mdq	4	✓	5.0	5.0	99.1
cal 5 mdq	5	✓	10.0	9.6	96.1
cal 6 mdq	6	✓	25.0	24.8	99.2
cal 7 mdq	7	✓	50.0	50.9	101.8
cal 8 mdq	8	✓	100.0	107.2	107.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

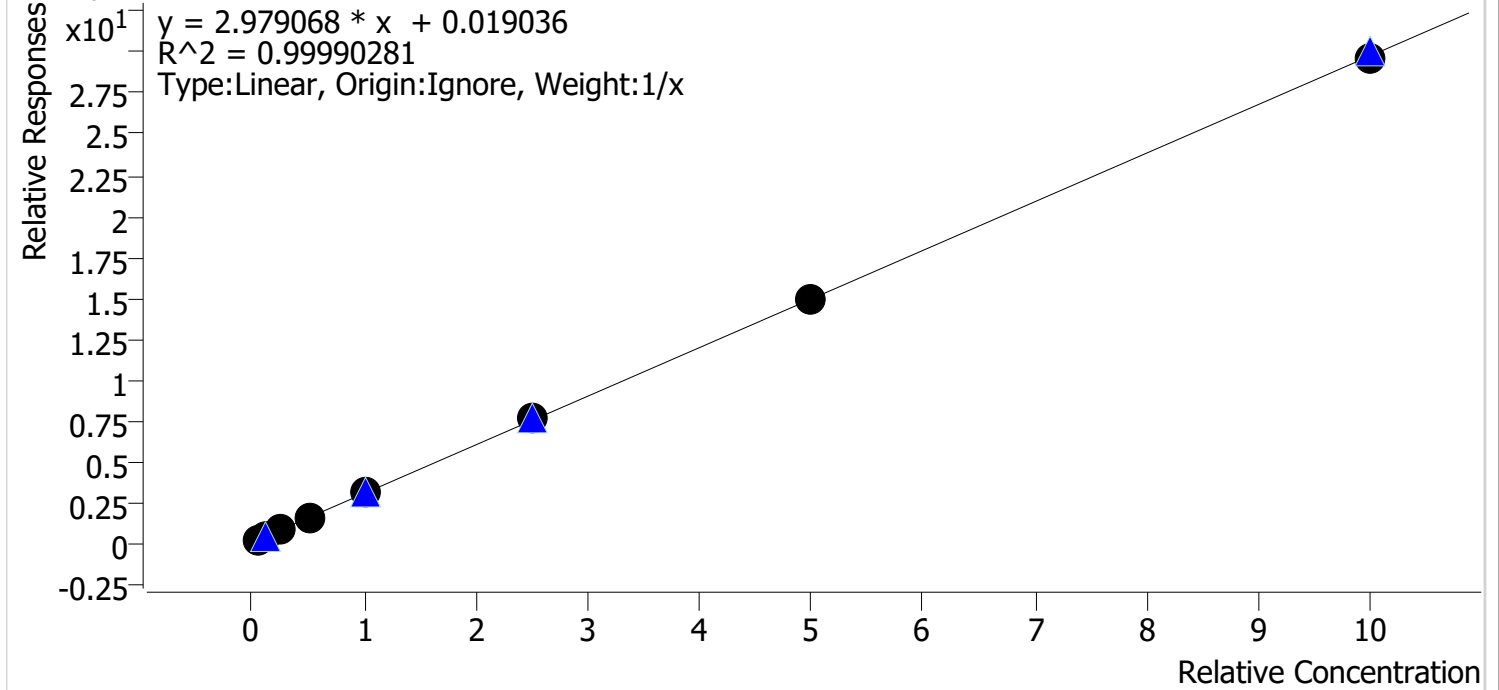


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	10.9	108.8
cal 3 mdq	3	✓	25.0	23.0	91.9
cal 4 mdq	4	✓	50.0	47.8	95.5
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✗	500.0	655.1	131.0
cal 8 mdq	8	✗	1000.0	1562.2	156.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

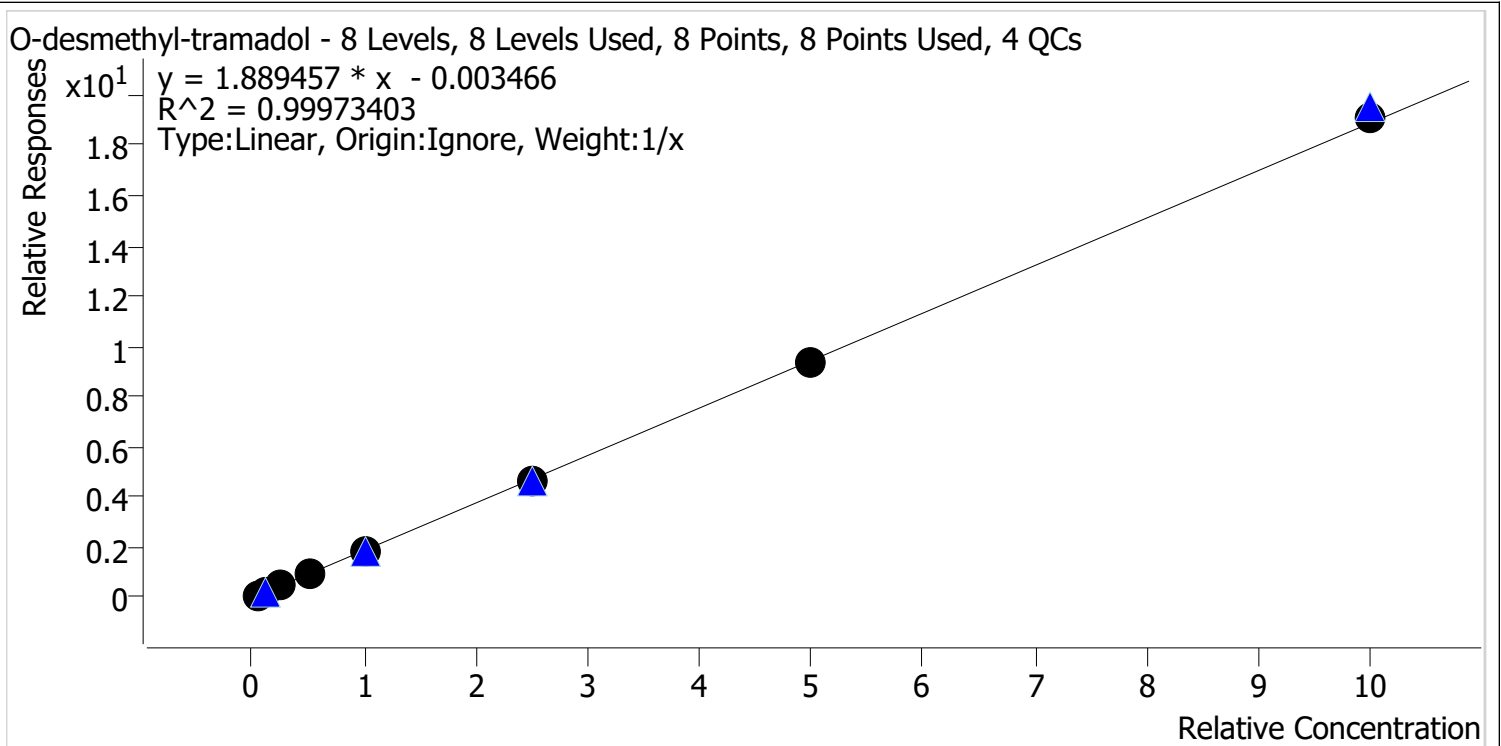
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.7
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	502.7	100.5
cal 8 mdq	8	✓	1000.0	992.2	99.2

Compound Calibration Report

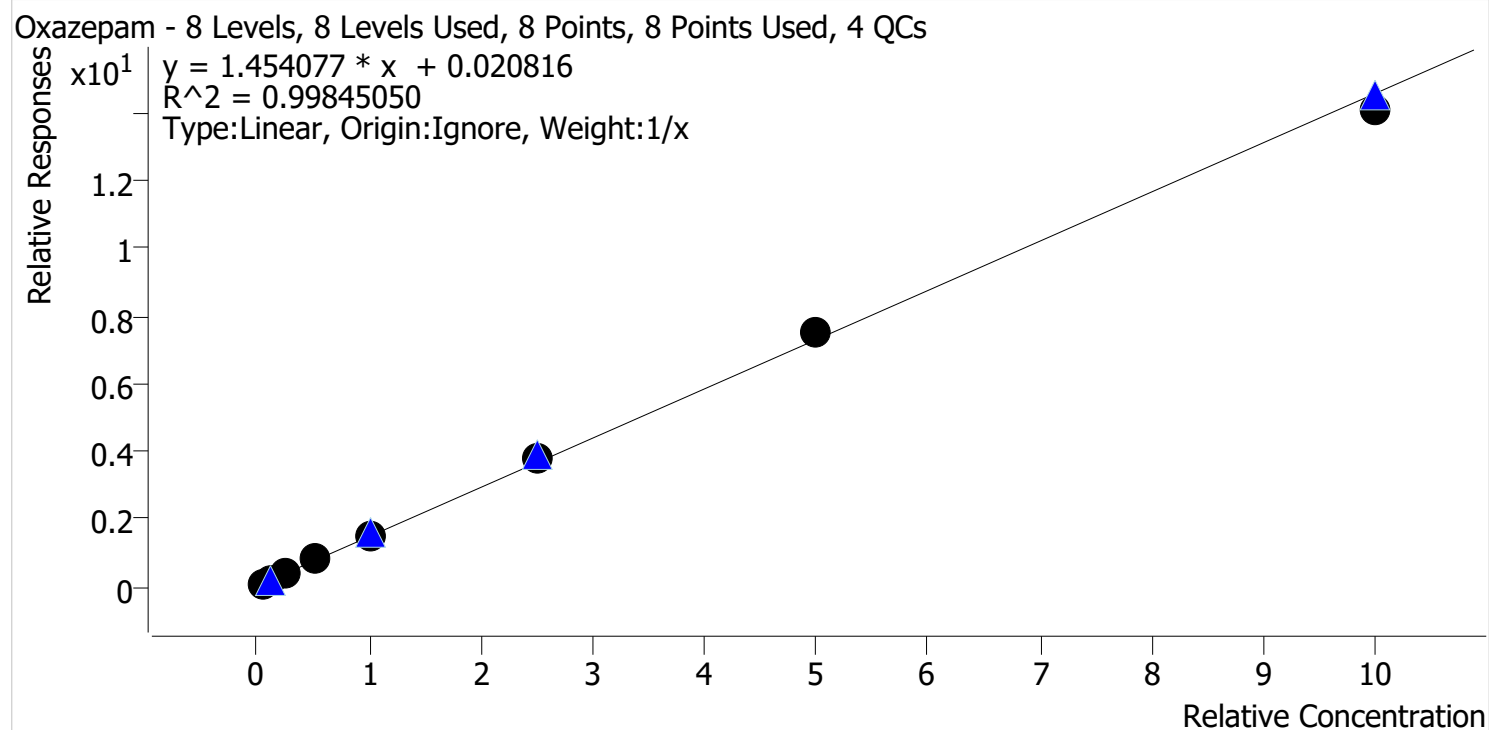
Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.9
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	1013.1	101.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

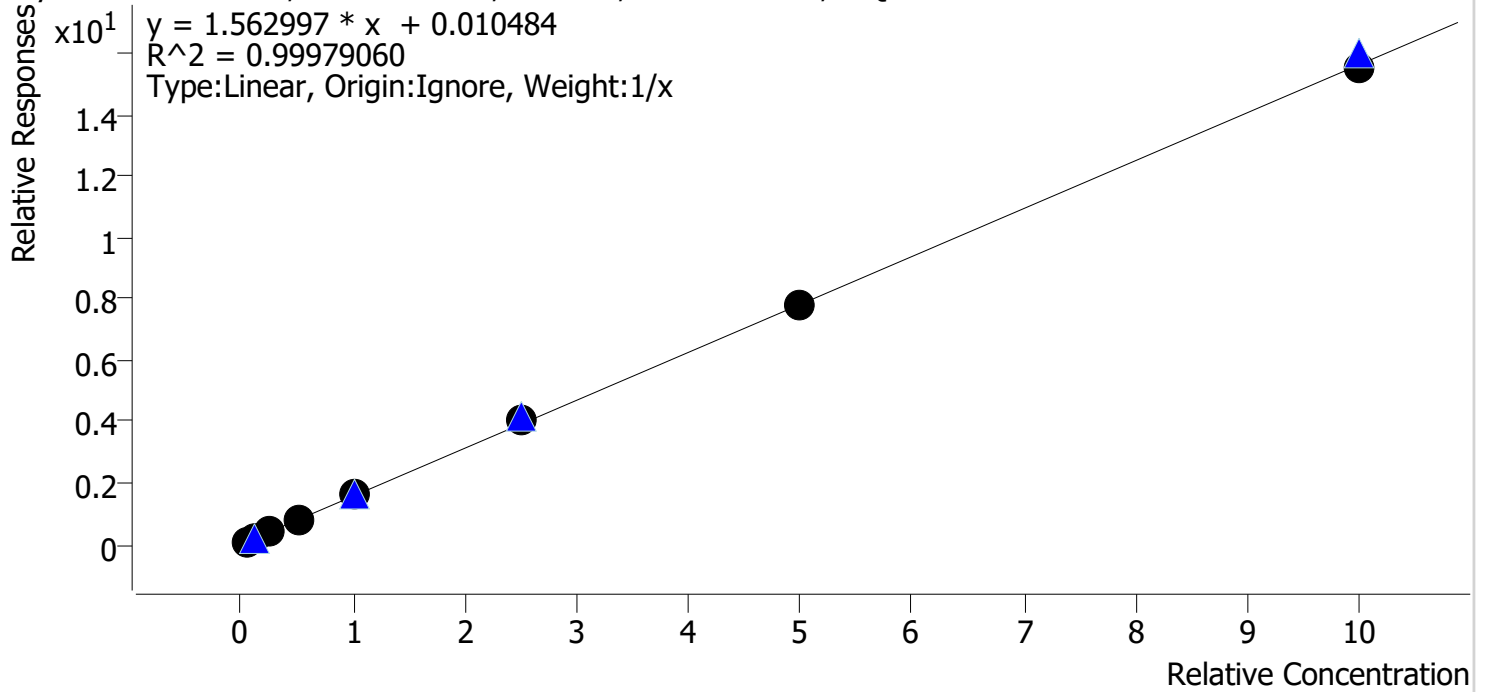


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.6
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	54.0	107.9
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	262.6	105.0
cal 7 mdq	7	✓	500.0	513.2	102.6
cal 8 mdq	8	✓	1000.0	966.5	96.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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

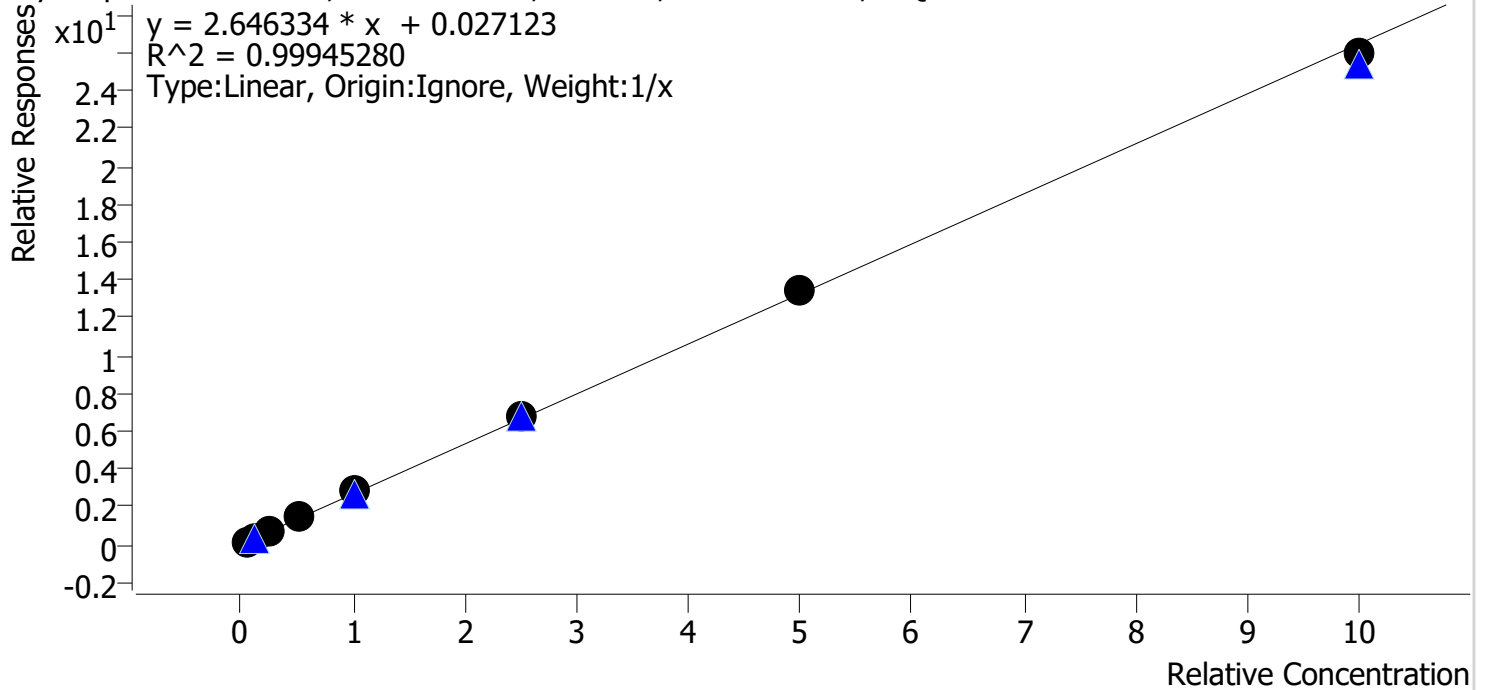


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	256.4	102.6
cal 7 mdq	7	✓	500.0	500.3	100.1
cal 8 mdq	8	✓	1000.0	990.3	99.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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

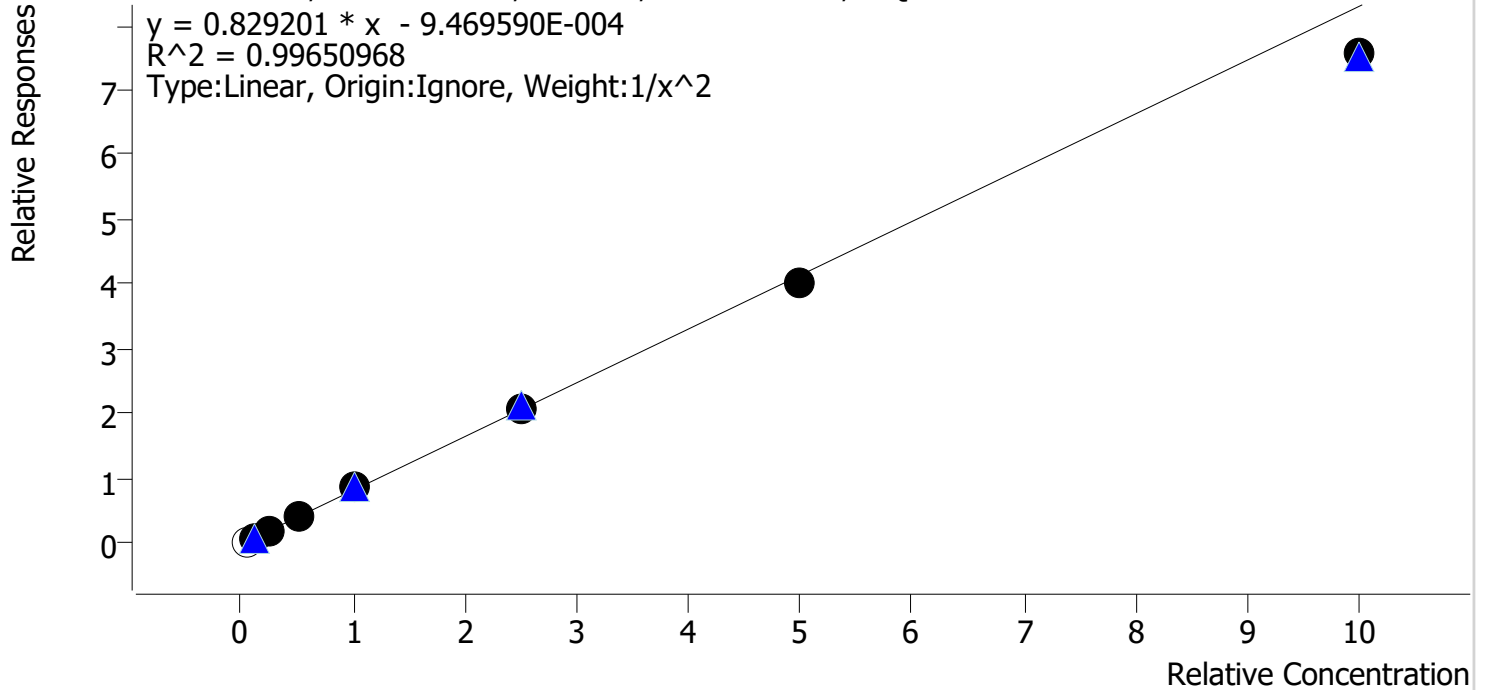


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	90.0
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	257.4	103.0
cal 7 mdq	7	✓	500.0	506.7	101.3
cal 8 mdq	8	✓	1000.0	980.5	98.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

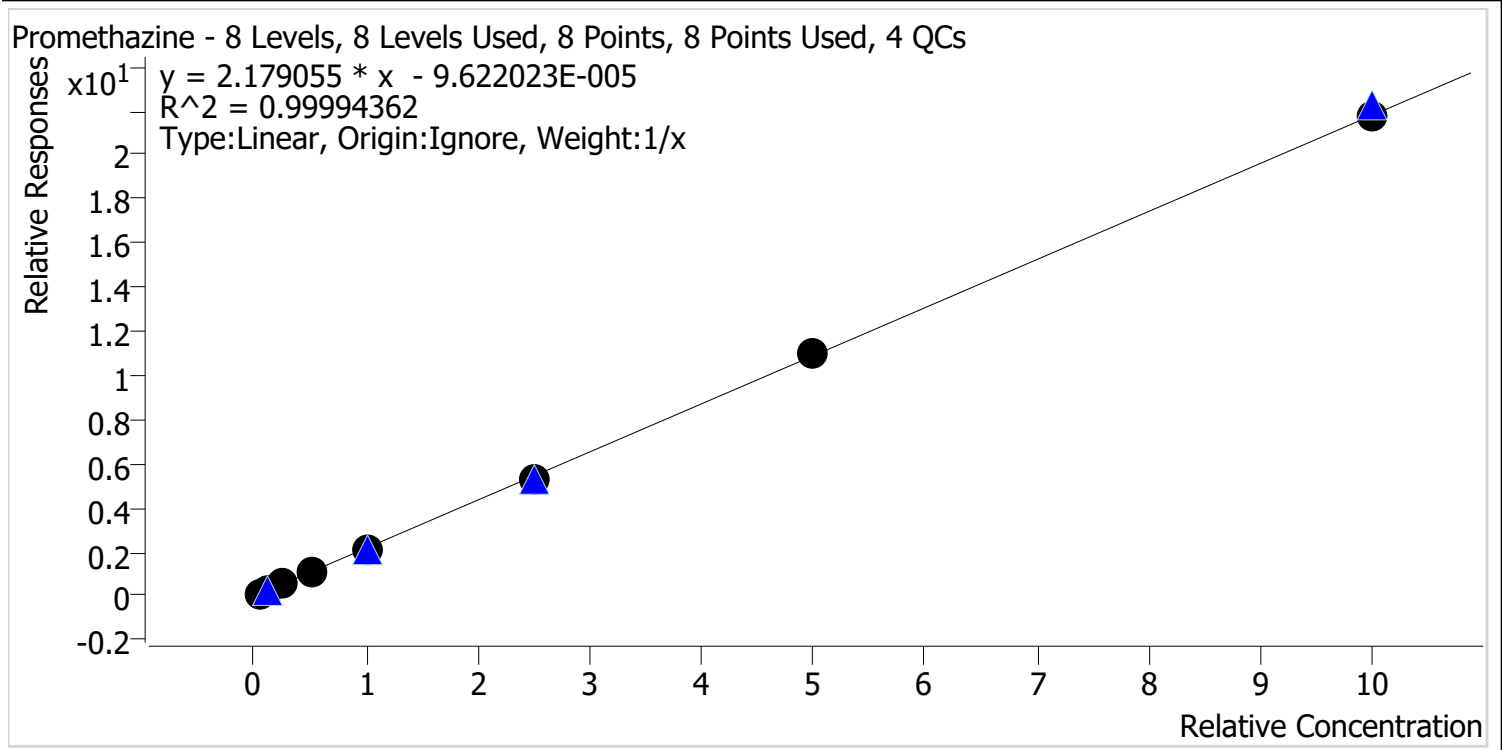
Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.5	89.0
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	53.3	106.7
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	486.0	97.2
cal 8 mdq	8	✓	1000.0	912.1	91.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

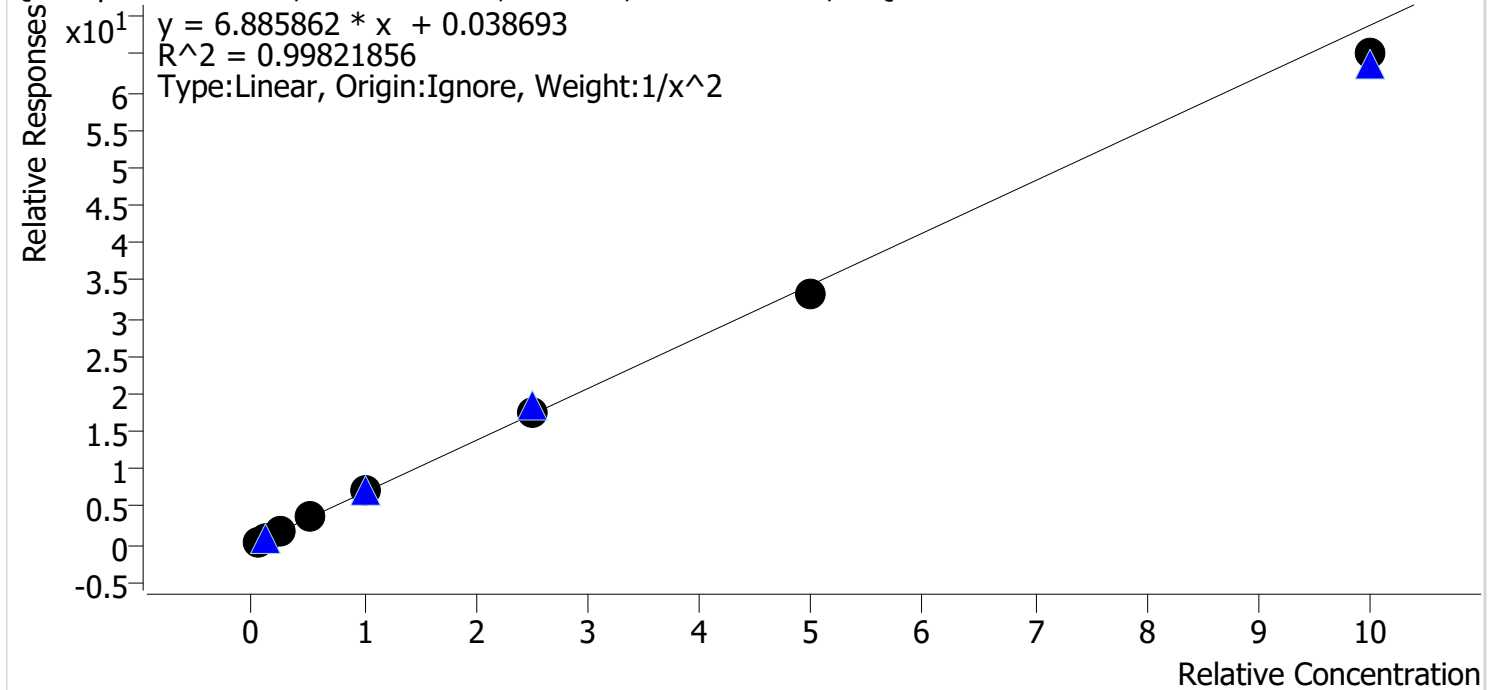


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.7
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	246.1	98.5
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	1002.2	100.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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

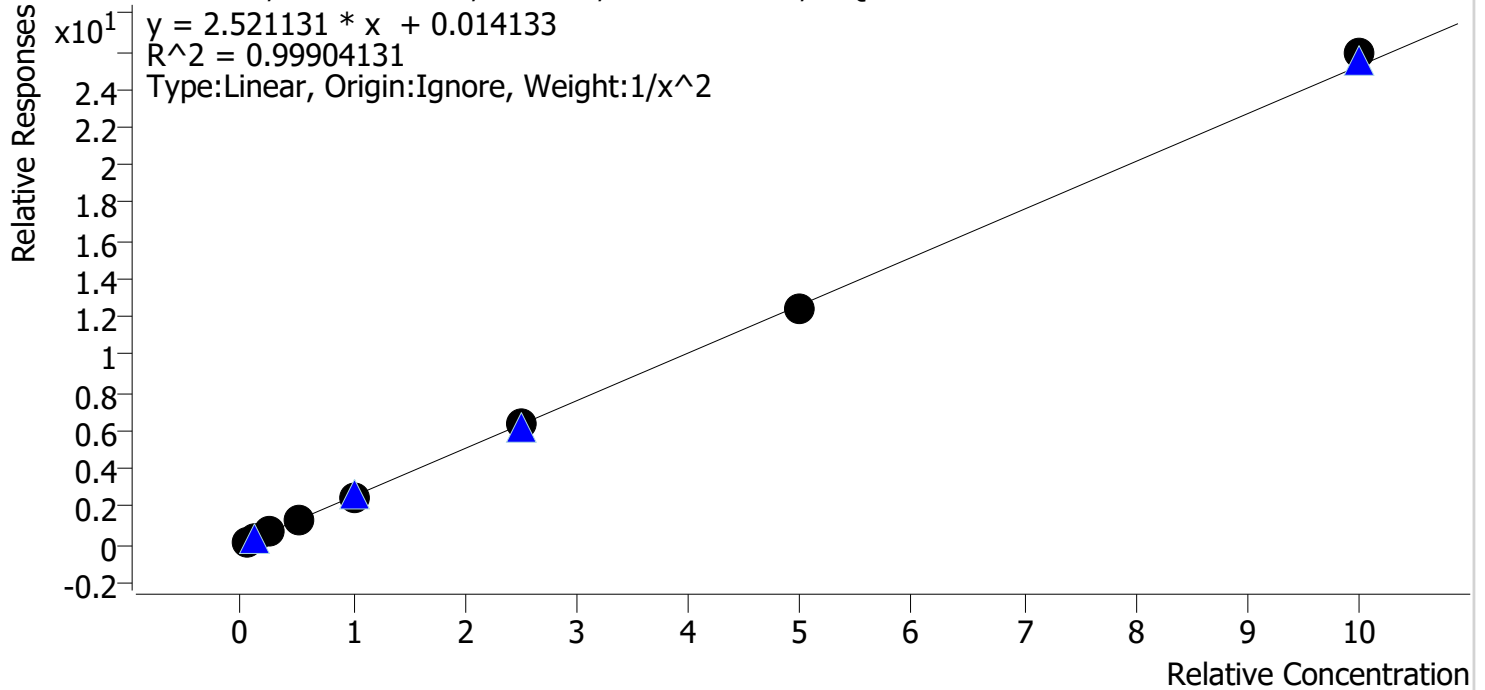


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	484.4	96.9
cal 8 mdq	8	✓	1000.0	945.3	94.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

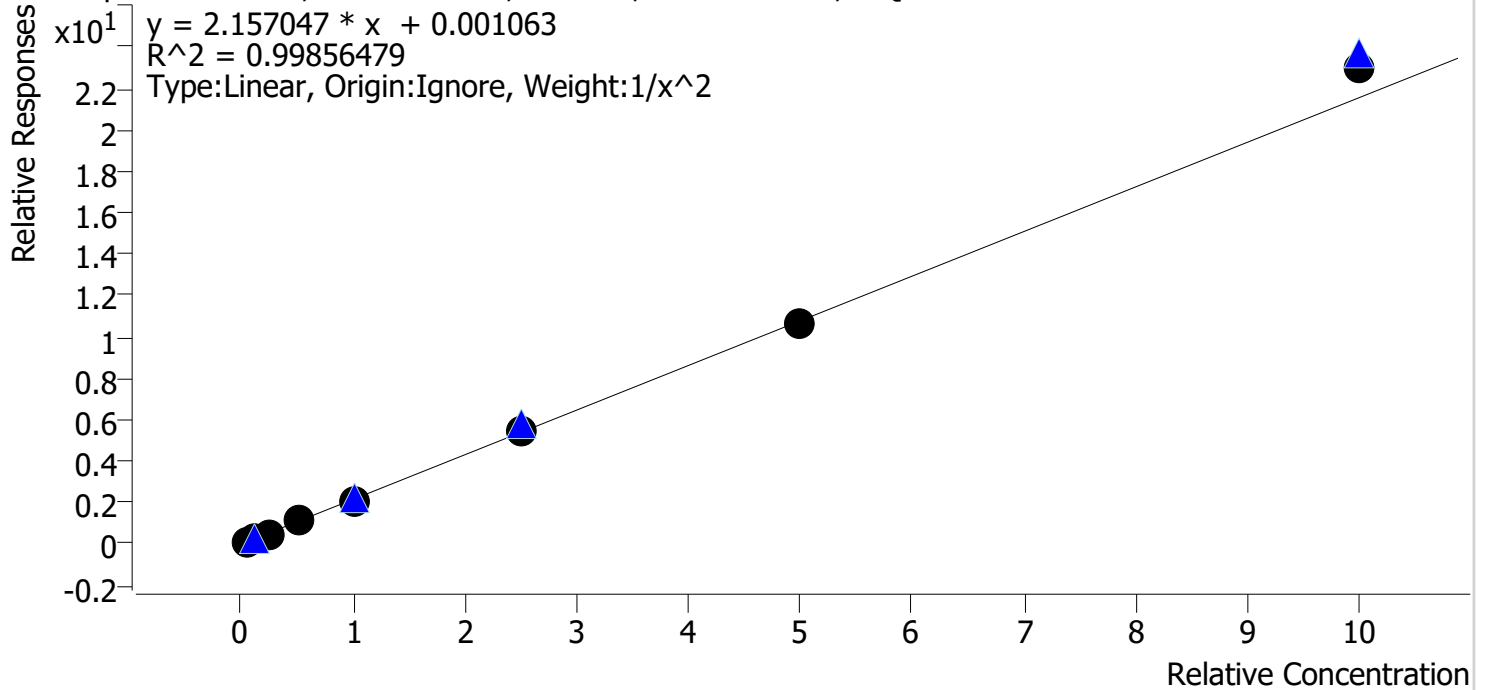


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.5	94.7
cal 3 mdq	3	✓	25.0	25.6	102.4
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	492.1	98.4
cal 8 mdq	8	✓	1000.0	1025.8	102.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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

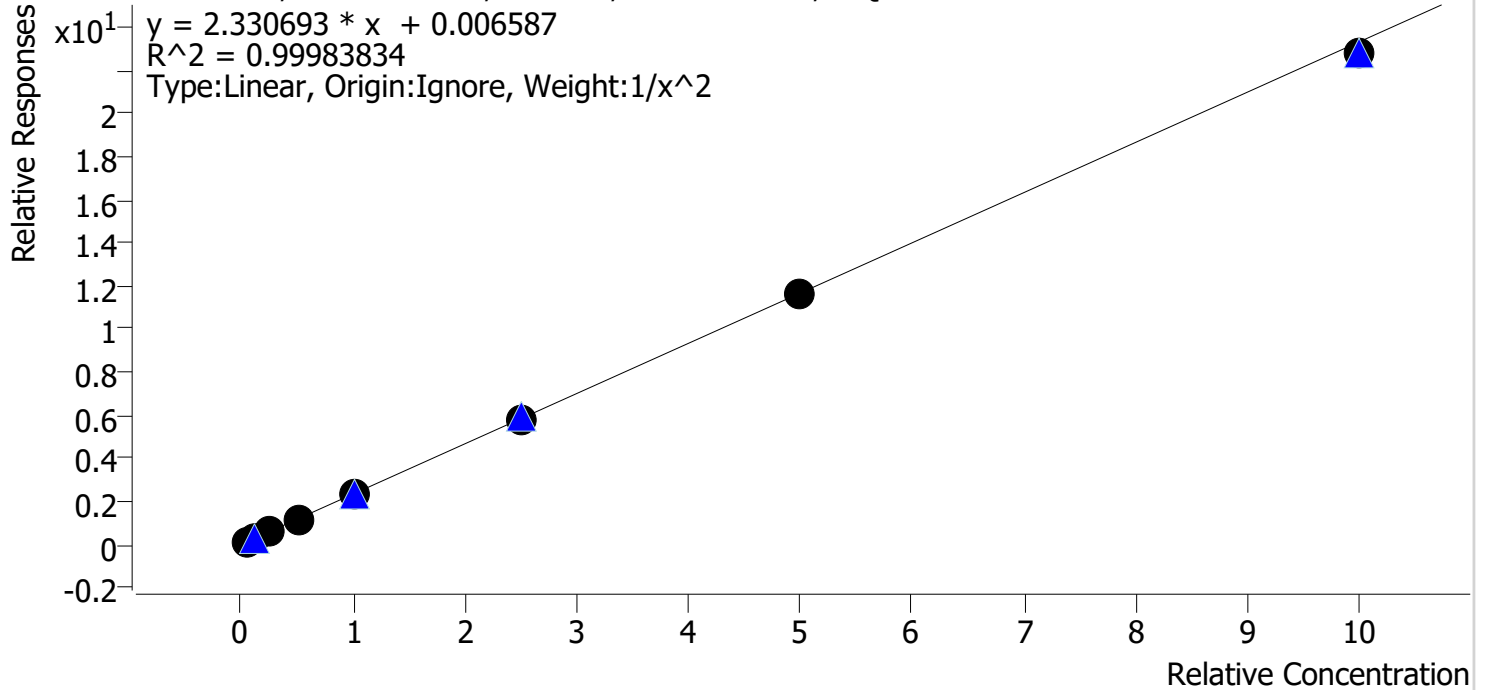


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	1069.1	106.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

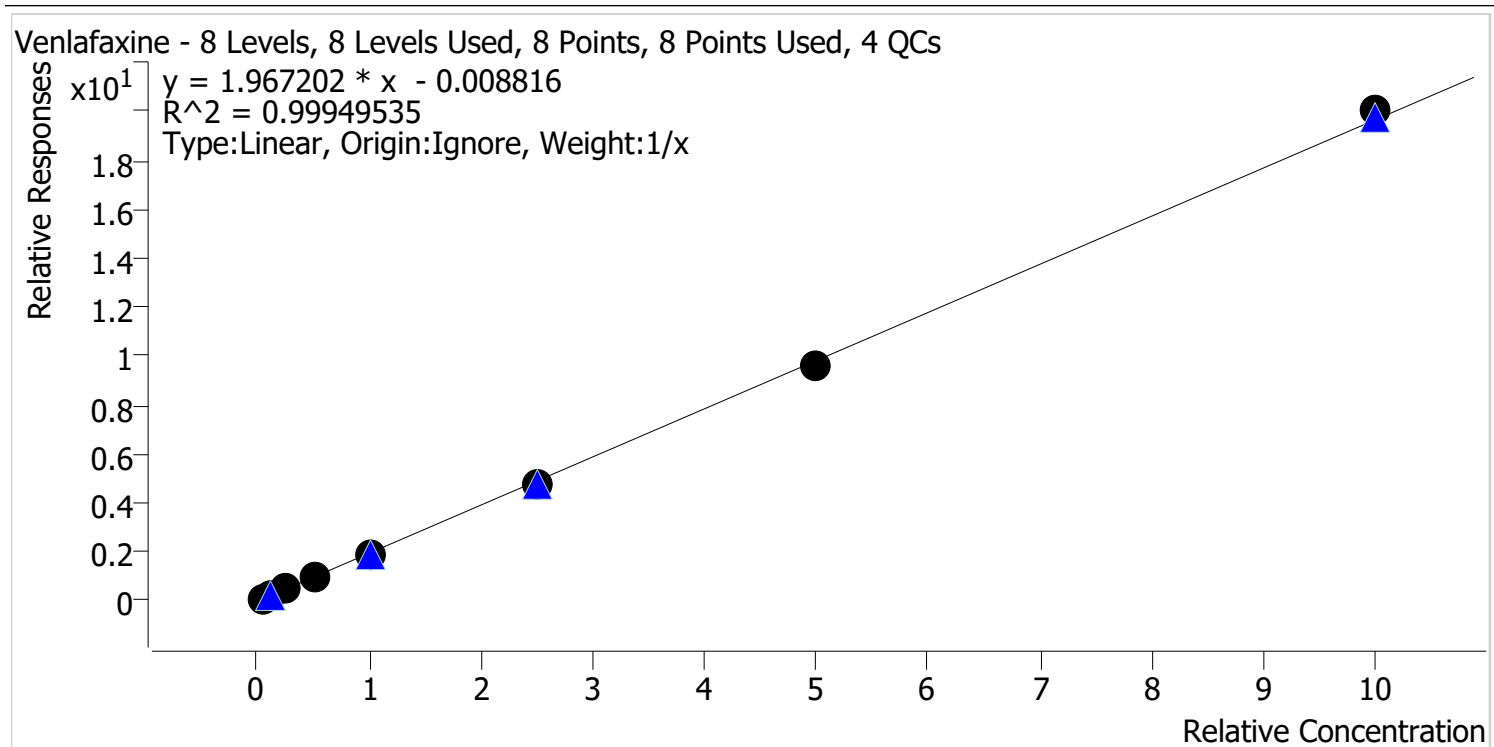
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	249.9	99.9
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	976.7	97.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

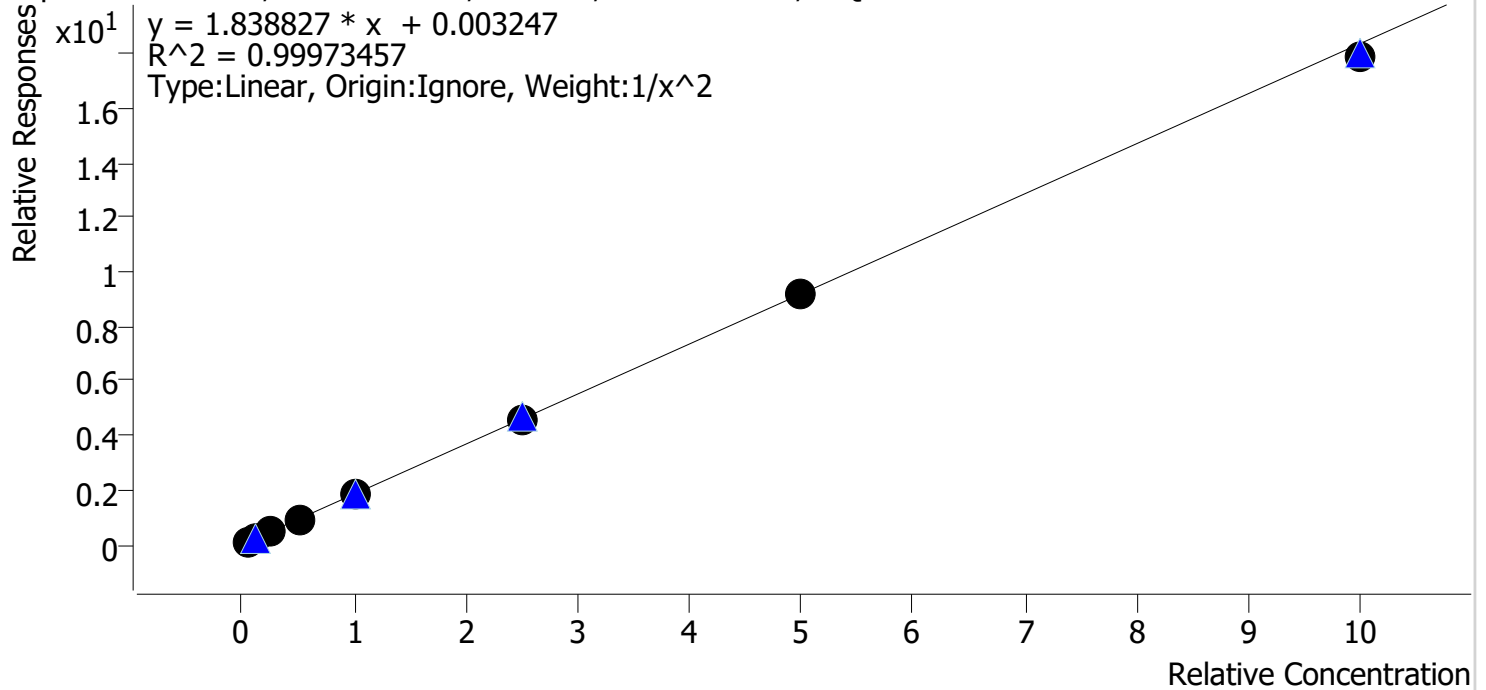


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.6
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	244.3	97.7
cal 7 mdq	7	✓	500.0	491.6	98.3
cal 8 mdq	8	✓	1000.0	1019.3	101.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/26/2020 9:15 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	975.2	97.5

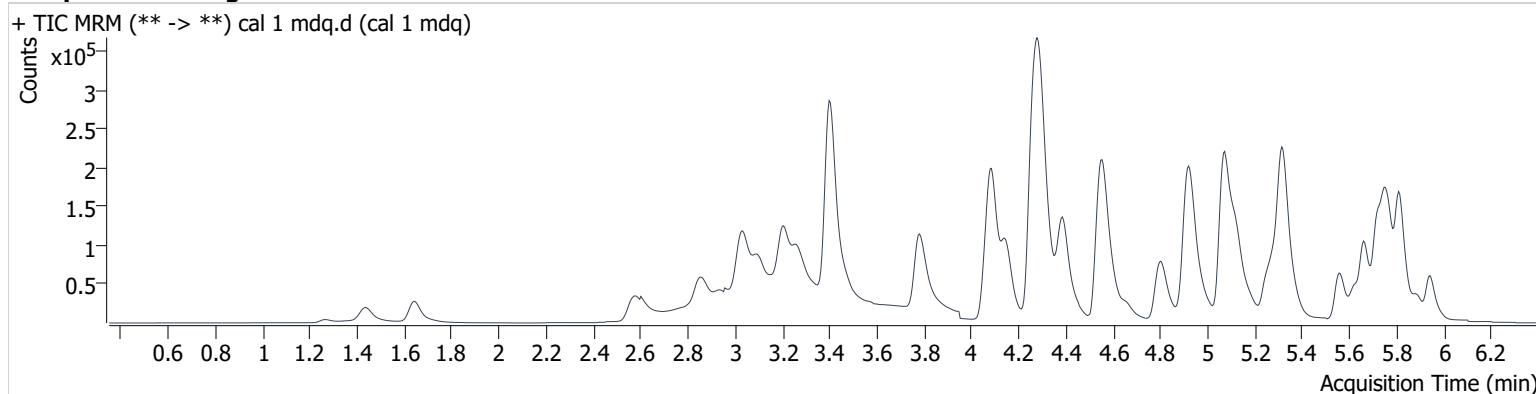
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:02:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.173	803	2785.6	59.4	149.5	42571	0.513 ng/ml
7-aminoclonazepam	4.292	16543	3968.1	62.6	9677.0	134045	4.926 ng/ml
a-hydroxyalprazolam	5.704	2750	296.3	58.1	2147.8	23175	4.913 ng/ml
alpha-PVP	4.397	40839	232.1	55.9	2060.3	365952	5.354 ng/ml
Alprazolam	5.777	22367	617.2	82.8	276.0	105680	5.151 ng/ml
Amphetamine	3.102	66605	468.6	52.5	774.3	215519	4.817 ng/ml
Benzoyllecgonine	3.906	1000	15.9	8.4	3.7	7712	4.655 ng/ml
Buprenorphine	5.765	394	28.4	12.4	91.4	25284	0.531 ng/ml
Bupropion	4.820	32649	1105.2	62.9	752.5	255071	4.986 ng/ml
Carisoprodol	5.729	24274	1303.2	72.8	180.1	242894	4.954 ng/ml
Citalopram	5.251	18344	1213.8	29.6	58.6	161629	4.950 ng/ml
Clonazepam	5.623	12655	583.7	33.7	11495.2	53211	4.931 ng/ml
Cocaine	4.292	34427	11017.8	48.6	404.7	559828	5.166 ng/ml
Codeine	2.628	4425	3402.8	88.4	605.5	34763	5.050 ng/ml
Cyclobenzaprine	5.635	5575	8602.0	9.5	50.4	49341	5.052 ng/ml
Dextromethorphan	5.295	8526	92.1	78.5	634.2	79915	5.069 ng/ml
Dextrorphan	4.152	9714	2612.2	202.5	441.6	206331	5.115 ng/ml
Diazepam	5.947	14510	1133.7	85.4	10407.6	121703	4.811 ng/ml
Dihydrocodeine	2.601	8926	279.7	86.9	97.1	108669	4.910 ng/ml
Diphenhydramine	5.322	51920	2237.2	37.2	1070.0	557517	5.400 ng/ml
Doxylamine	4.569	84563	1367.4	90.9	8069.6	729455	5.017 ng/ml
EDDP	5.285	5362	111.1	274.3	988.3	126910	5.154 ng/ml
Fentanyl	5.128	1347	23.0	49.0	215.7	133102	0.518 ng/ml
Fluoxetine	5.716	6052	501.0	7.3	106.5	46314	5.078 ng/ml
Hydrocodone	3.064	12374	264.7	55.9	41.3	162809	4.249 ng/ml
Hydromorphone	1.653	11012	1607.8	86.2	3611.1	93700	5.033 ng/ml
Ketamine	4.082	34146	415.2	28.9	348.6	311973	4.979 ng/ml
Lamotrigine	4.325	3355	1468.0	85.0	553.3	311973	4.895 ng/ml
Lorazepam	5.751	12956	599.4	71.8	241.6	121703	4.861 ng/ml
Meprobamate	4.932	19098	53.3	32.3	1213.2	184667	4.893 ng/ml
Methadone	5.664	17817	1182.9	90.9	507.2	218791	5.257 ng/ml
Methamphetamine	3.269	121728	192.5	36.8	∞	327005	5.211 ng/ml
Metoprolol	4.354	7878	5882.2	100.2	849.7	729455	4.792 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	35086	95311.1	58.4	2395.8	218791	5.159 ng/ml
Mitragynine	5.266	3112	5074.6	35.4	2648.4	218791	3.717 ng/ml
Morphine	1.277	1346	7623.4	67.1	86.3	1750	4.394 ng/ml
Norbuprenorphine	5.014	65	132.8	43.5 Low	79.0	4974	0.513 ng/ml
Nordiazepam	5.897	12164	3324.7	49.3	3733.3	78017	4.956 ng/ml
Norfentanyl	4.112	4925	593.1	39.5	110.7	438377	0.509 ng/ml
Norhydrocodone	3.100	390	11.8	47.9	70.6	40096	5.089 ng/ml
Noroxycodone	2.957	9873	373.8	59.5	618.8	61118	4.784 ng/ml
O-desmethyl-tramadol	3.410	82077	22114.5	6.3	491.5	841215	5.347 ng/ml
Oxazepam	5.758	19815	515.3	62.0	416.3	240697	4.230 ng/ml
Oxycodone	2.885	17150	37.9	45.0	1907.1	199651	4.825 ng/ml
Oxymorphone	1.440	11152	1773.4	62.1	11018.7	76277	4.500 ng/ml
Phentermine	3.813	13055	67.7	7.5 High	45.5	363116	4.450 ng/ml
Promethazine	5.558	13268	2893.7	33.0	279.5	118712	5.133 ng/ml
Quetiapine	5.565	14920	1931.5	60.8	3669.1	38896	5.009 ng/ml
Sertraline	5.783	2832	214.2	76.8	3314.3	19811	5.110 ng/ml
Temazepam	5.819	39438	1622.7	26.1	320.3	358776	5.047 ng/ml
Tramadol	4.278	90418	428.2	3.1	71.1	888110	4.878 ng/ml
Trazodone	5.179	22315	23760.7	87.8	27451.6	181203	5.001 ng/ml
Venlafaxine	5.073	70353	2661.7	31.7	549.6	703650	5.531 ng/ml
Zolpidem	4.945	54434	187202.6	28.6	24205.6	575349	4.969 ng/ml

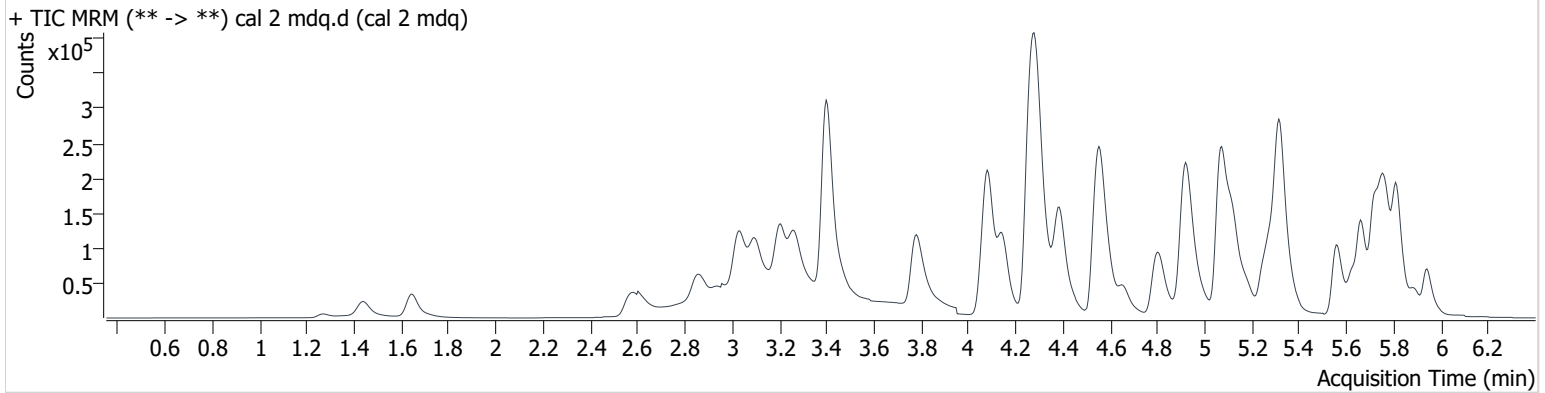
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:13:00 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	1465	801.2	71.1	6185.8	42428	0.964 ng/ml
7-aminoclonazepam	4.292	32068	6349.1	65.0	796.5	139521	9.912 ng/ml
a-hydroxyalprazolam	5.704	5214	888.1	61.5	7559.0	22955	10.299 ng/ml
alpha-PVP	4.397	82333	1428.4	55.2	3203.7	378881	10.090 ng/ml
Alprazolam	5.777	43717	5119.5	83.7	453.5	105366	10.088 ng/ml
Amphetamine	3.102	130592	636.5	52.8	1082.0	225609	9.977 ng/ml
Benzoylcegonine	3.906	2035	276.7	6.7	29.5	7916	10.075 ng/ml
Buprenorphine	5.765	814	340.3	17.4	159.5	30586	0.984 ng/ml
Bupropion	4.820	68089	5261.1	63.7	2094.1	270865	10.008 ng/ml
Carisoprodol	5.729	46387	1070.1	75.9	491.3	234559	10.186 ng/ml
Citalopram	5.256	41316	1205.6	29.9	30057.4	182120	10.072 ng/ml
Clonazepam	5.623	23853	43029.3	34.6	2160.9	52795	10.048 ng/ml
Cocaine	4.292	68013	20404.7	49.0	187.0	563993	10.132 ng/ml
Codeine	2.628	8383	5109.6	90.1	1126.6	35584	9.696 ng/ml
Cyclobenzaprine	5.635	17511	38948.0	10.6	176.5	82451	9.898 ng/ml
Dextromethorphan	5.301	19151	915.5	83.8	5678.4	94221	9.677 ng/ml
Dextrorphan	4.146	19308	148.9	212.5	8974.3	216161	9.843 ng/ml
Diazepam	5.947	26935	3327.5	87.5	2367.1	120062	9.788 ng/ml
Dihydrocodeine	2.606	16892	8633.5	90.4	6583.1	109457	9.987 ng/ml
Diphenhydramine	5.322	112369	360.1	35.8	548.0	628303	10.071 ng/ml
Doxylamine	4.569	167240	40556.6	90.3	3670.1	745848	9.914 ng/ml
EDDP	5.290	11471	448.9	286.3	286.1	152642	9.357 ng/ml
Fentanyl	5.128	3342	70.9	58.7	1410.9	186766	0.936 ng/ml
Fluoxetine	5.716	19823	27107.1	8.0	298.2	84190	9.688 ng/ml
Hydrocodone	3.064	25024	200.0	53.1	582.3	165815	9.823 ng/ml
Hydromorphone	1.653	21829	5689.2	90.6	3729.5	97731	9.774 ng/ml
Ketamine	4.082	65758	3653.1	29.2	194.2	312976	10.014 ng/ml
Lamotrigine	4.320	6431	387.2	94.7	5413.8	312976	10.143 ng/ml
Lorazepam	5.751	25147	626.8	67.5	357.1	120062	10.353 ng/ml
Meprobamate	4.932	36571	3903.7	34.0	1092.4	181797	10.145 ng/ml
Methadone	5.664	40637	1746.0	89.5	1876.5	253556	10.107 ng/ml
Methamphetamine	3.264	162459	∞	39.0	∞	355329	9.022 ng/ml
Metoprolol	4.354	15277	2616.8	98.2	2038.9	745848	10.379 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	74033	368.2	59.1	251.7	253556	9.566 ng/ml
Mitragynine	5.261	8471	481.8	32.2	6097.2	253556	10.467 ng/ml
Morphine	1.272	2684	131.4	68.4	19394.7	1721	9.981 ng/ml
Norbuprenorphine	5.040	99	37.4	124.0 High	48.2	5876	0.718 ng/ml
Nordiazepam	5.897	23969	47216.7	46.7	3172.9	77930	10.086 ng/ml
Norfentanyl	4.112	9656	1766.7	39.5	111.4	439238	0.982 ng/ml
Norhydrocodone	3.105	933	53.4	43.8	131.0	40304	10.881 ng/ml
Noroxycodone	2.957	19277	585.5	56.4	1054.5	61051	9.960 ng/ml
O-desmethyl-tramadol	3.405	159872	6410.3	6.4	411.6	849521	10.143 ng/ml
Oxazepam	5.758	38087	508.6	61.8	649.0	236827	9.629 ng/ml
Oxycodone	2.880	32834	1923.1	46.2	366.2	203041	9.675 ng/ml
Oxymorphone	1.440	21856	66865.4	61.8	216226.7	76142	9.822 ng/ml
Phentermine	3.813	30062	73.7	6.1	133.2	375068	9.780 ng/ml
Promethazine	5.563	41060	4216.3	32.5	144.4	189479	9.949 ng/ml
Quetiapine	5.565	29385	4074.0	63.5	38850.0	41254	9.782 ng/ml
Sertraline	5.783	9680	610.4	83.4	18829.4	38291	9.467 ng/ml
Temazepam	5.819	75976	2957.3	27.0	305.6	351757	9.964 ng/ml
Tramadol	4.273	173683	1465.5	3.3	30.4	900994	10.207 ng/ml
Trazodone	5.179	49407	9611.8	87.0	90409.0	207126	9.952 ng/ml
Venlafaxine	5.073	135220	46480.4	32.3	898.0	713542	10.081 ng/ml
Zolpidem	4.940	111074	7565.9	27.4	52058.2	590208	10.058 ng/ml

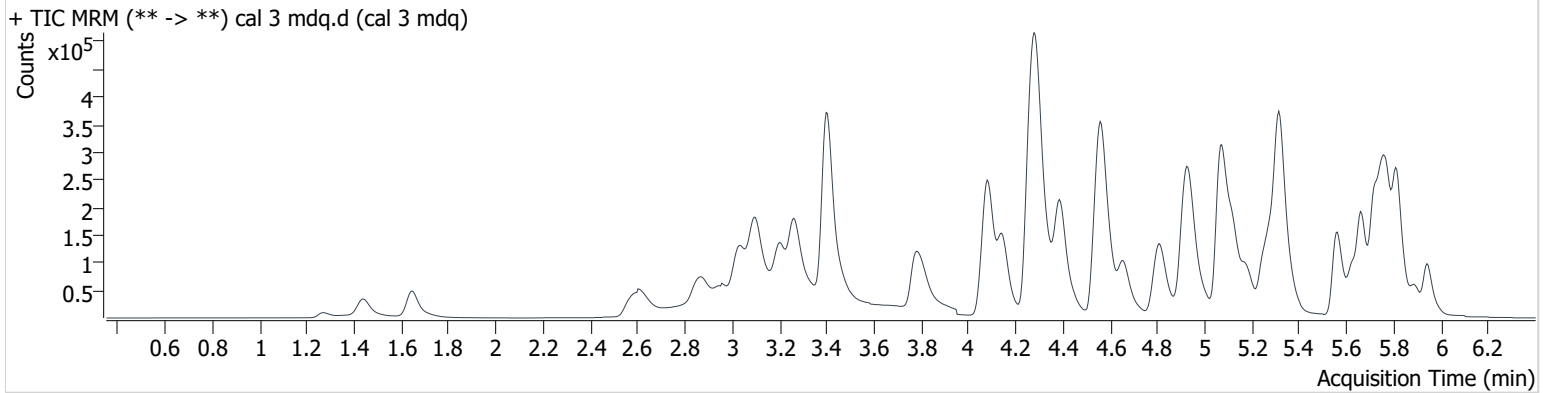
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:23:47 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	3468	12120.5	70.9	2396.7	41553	2.377 ng/ml
7-aminoclonazepam	4.292	80857	48558.9	65.7	342.4	139145	26.365 ng/ml
a-hydroxyalprazolam	5.704	12469	928.7	61.6	1477.5	23883	24.946 ng/ml
alpha-PVP	4.397	201147	2444.7	54.7	5234.6	373442	24.485 ng/ml
Alprazolam	5.777	109010	2435.6	84.2	381.3	106938	24.769 ng/ml
Amphetamine	3.102	338900	1609.4	46.8	1923.8	221928	28.115 ng/ml
Benzoyllecgonine	3.906	5041	579.3	8.9	1003.2	8336	24.851 ng/ml
Buprenorphine	5.765	1855	280.3	17.6	428.7	29314	2.488 ng/ml
Bupropion	4.820	169557	9921.2	63.5	1497.6	273449	25.013 ng/ml
Carisoprodol	5.728	111606	6637.2	75.1	2004.4	238067	24.682 ng/ml
Citalopram	5.251	103832	338.3	30.7	73036.8	189483	24.581 ng/ml
Clonazepam	5.623	60021	9866.0	33.9	33099.8	54609	25.526 ng/ml
Cocaine	4.292	163924	51371.3	49.2	27648.0	561370	24.534 ng/ml
Codeine	2.633	21240	15069.0	87.9	22433.3	35083	25.566 ng/ml
Cyclobenzaprine	5.635	45271	899.3	10.5	151.8	86171	25.156 ng/ml
Dextromethorphan	5.295	50219	176.9	78.0	196.4	94720	25.277 ng/ml
Dextrorphan	4.146	47532	11982.2	205.9	22393.9	212107	24.930 ng/ml
Diazepam	5.947	65042	2371.5	88.8	2866.5	118633	25.127 ng/ml
Dihydrocodeine	2.601	42178	23463.5	88.6	253.1	109240	26.289 ng/ml
Diphenhydramine	5.322	279521	1846.8	36.8	12664.1	630594	24.478 ng/ml
Doxylamine	4.564	421424	2439.1	90.9	7337.3	755435	24.999 ng/ml
EDDP	5.285	28434	1563.8	268.7	3908.3	144408	24.909 ng/ml
Fentanyl	5.122	8903	352.0	50.8	1071.1	189644	2.498 ng/ml
Fluoxetine	5.716	52072	3089.8	8.5	9803.6	89951	24.798 ng/ml
Hydrocodone	3.059	57083	1325.3	56.6	880.5	165848	24.206 ng/ml
Hydromorphone	1.653	53795	8535.3	89.7	18082.9	96524	24.733 ng/ml
Ketamine	4.082	158933	1399.2	30.2	709.1	312961	24.907 ng/ml
Lamotrigine	4.320	15845	1353.6	87.8	3747.9	312961	26.261 ng/ml
Lorazepam	5.751	61071	1435.0	68.1	1038.1	118633	26.632 ng/ml
Meprobamate	4.932	89040	373.6	33.2	906.3	179116	26.048 ng/ml
Methadone	5.669	102553	9338.9	87.7	3076.4	260684	24.449 ng/ml
Methamphetamine	3.264	274593	575.8	38.7	∞	333776	25.413 ng/ml
Metoprolol	4.354	36806	1328.9	95.5	6165.7	755435	26.671 ng/ml

AM #28 Multi-Drug Quant. Results

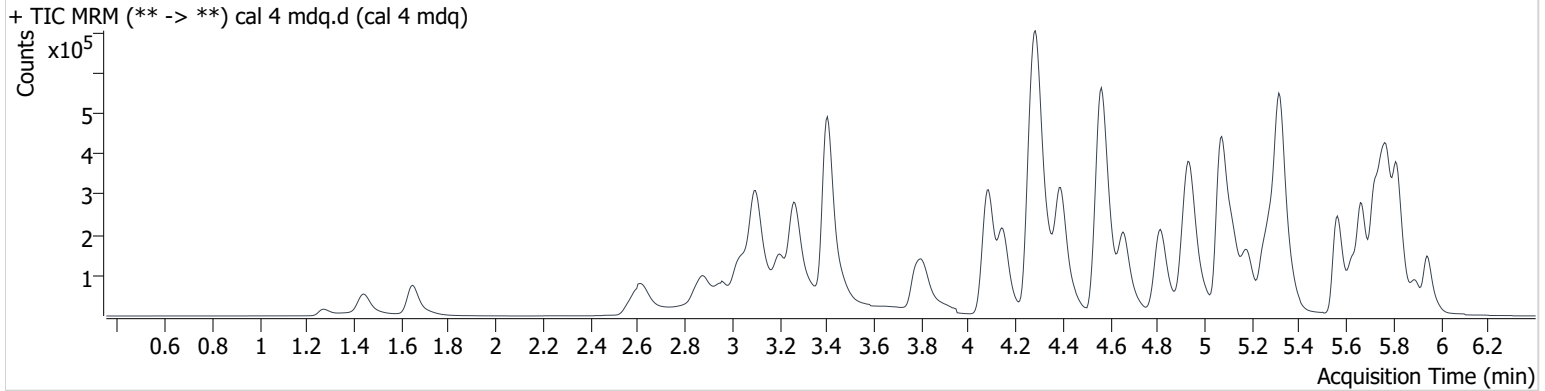
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	188292	3437.4	59.1	1034.2	260684	23.975 ng/ml
Mitragynine	5.261	21042	24967.9	34.1	14634.0	260684	27.110 ng/ml
Morphine	1.272	6191	2917.3	69.8	37701.5	1674	25.087 ng/ml
Norbuprenorphine	5.019	300	186.3	93.3	539.3	5927	2.537 ng/ml
Nordiazepam	5.897	58310	2086.5	50.6	1312.6	77265	25.210 ng/ml
Norfentanyl	4.112	24669	459.9	40.5	49.0	452120	2.415 ng/ml
Norhydrocodone	3.110	2021	109.8	36.1	82.4	39511	22.983 ng/ml
Noroxycodone	2.957	47805	412.7	56.3	870.8	62761	24.930 ng/ml
O-desmethyl-tramadol	3.405	386526	84045.4	6.3	1728.2	841250	24.501 ng/ml
Oxazepam	5.758	93454	5058.2	61.8	1083.8	237265	25.656 ng/ml
Oxycodone	2.880	82698	1781.1	45.0	6694.2	206636	24.935 ng/ml
Oxymorphone	1.440	53374	338869.4	61.6	433152.8	76355	25.390 ng/ml
Phentermine	3.813	75925	143.8	5.7	233.8	362929	25.343 ng/ml
Promethazine	5.558	103434	2385.2	32.8	112.2	190562	24.914 ng/ml
Quetiapine	5.565	77143	111300.4	63.1	78289.2	43274	25.327 ng/ml
Sertraline	5.783	26915	2352.5	80.0	46236.9	40790	25.612 ng/ml
Temazepam	5.819	192961	3476.5	27.1	823.1	366303	24.372 ng/ml
Tramadol	4.273	409988	140671.1	3.6	362.0	893732	25.792 ng/ml
Trazodone	5.179	129625	261.6	85.4	77355.2	219443	25.062 ng/ml
Venlafaxine	5.073	329581	111930.7	32.5	1543.8	704774	24.220 ng/ml
Zolpidem	4.945	274134	298103.0	27.0	15947.7	588600	25.151 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:34:35 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	7565	2732.3	67.5	2171.5	42178	5.143 ng/ml
7-aminoclonazepam	4.292	157387	822.5	66.6	23530.8	135361	53.610 ng/ml
a-hydroxyalprazolam	5.704	24517	1666.9	62.4	2452.3	23394	51.065 ng/ml
alpha-PVP	4.397	416893	5040.5	54.6	3109.0	378820	49.655 ng/ml
Alprazolam	5.777	212933	2507.1	84.0	394.9	104169	49.656 ng/ml
Amphetamine	3.102	677569	1708.7	47.8	1059.2	227710	55.822 ng/ml
Benzoylcegonine	3.906	9427	1714.2	8.6	165.4	7918	49.754 ng/ml
Buprenorphine	5.765	4086	4568.3	13.4	1030.7	29561	5.560 ng/ml
Bupropion	4.820	356649	12785.2	63.5	21625.0	281922	51.264 ng/ml
Carisoprodol	5.729	219172	9790.1	73.6	2783.2	227996	51.022 ng/ml
Citalopram	5.251	215137	6767.3	30.5	114387.9	192468	50.327 ng/ml
Clonazepam	5.623	117663	9178.4	34.0	2553.4	52067	53.280 ng/ml
Cocaine	4.292	331134	216039.5	49.5	74454.0	562178	49.488 ng/ml
Codeine	2.633	42426	44222.7	91.3	483.8	35752	50.507 ng/ml
Cyclobenzaprine	5.635	88356	15434.5	10.5	2928.3	83624	51.054 ng/ml
Dextromethorphan	5.295	108272	1974.6	81.0	6598.4	103729	49.785 ng/ml
Dextrorphan	4.152	103373	519.3	205.5	39888.3	227604	50.687 ng/ml
Diazepam	5.947	131751	7667.1	87.7	5413.1	117913	52.074 ng/ml
Dihydrocodeine	2.606	88071	65035.0	88.4	23163.2	113772	53.577 ng/ml
Diphenhydramine	5.322	599699	30690.1	35.4	3930.7	667637	49.268 ng/ml
Doxylamine	4.569	864037	96461.3	91.0	15954.2	769429	50.551 ng/ml
EDDP	5.290	59964	255.3	269.9	9984.3	150320	50.713 ng/ml
Fentanyl	5.128	17533	378.8	52.1	5550.5	193979	4.833 ng/ml
Fluoxetine	5.716	103836	2956.6	8.4	15989.8	88112	51.176 ng/ml
Hydrocodone	3.064	127055	2619.3	50.3	2369.9	168319	54.767 ng/ml
Hydromorphone	1.653	111096	16500.5	89.6	20920.1	98385	50.348 ng/ml
Ketamine	4.082	331242	46028.0	29.3	2663.7	316534	51.850 ng/ml
Lamotrigine	4.320	31724	858.7	88.0	2951.2	316534	52.834 ng/ml
Lorazepam	5.751	113884	2144.0	69.3	1357.3	117913	50.680 ng/ml
Meprobamate	4.932	176776	1792.9	33.6	3578.2	178146	52.657 ng/ml
Methadone	5.664	216835	10592.3	86.9	7011.4	268856	49.863 ng/ml
Methamphetamine	3.269	490687	∞	38.9	185.9	340413	53.164 ng/ml
Metoprolol	4.354	74396	9028.1	100.7	1698.8	769429	54.348 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	396233	1282.7	58.9	5982.9	268856	49.137 ng/ml
Mitragynine	5.261	41305	1793.2	34.8	3303.4	268856	52.762 ng/ml
Morphine	1.272	13246	80462.0	64.9	128018.1	1649	55.704 ng/ml
Norbuprenorphine	5.019	540	193.4	90.6	152.8	5795	4.842 ng/ml
Nordiazepam	5.897	116766	3947.5	48.7	2565.6	76074	51.601 ng/ml
Norfentanyl	4.112	50805	355.3	40.3	900.3	452254	4.956 ng/ml
Norhydrocodone	3.110	4201	99.4	48.7	1895.8	38721	47.762 ng/ml
Noroxycodone	2.957	96644	2185.4	56.7	1682.6	62550	51.226 ng/ml
O-desmethyl-tramadol	3.405	786067	171743.7	6.5	2237.2	846715	49.318 ng/ml
Oxazepam	5.758	179271	2250.4	60.1	3639.2	222598	53.955 ng/ml
Oxycodone	2.880	170581	1181.0	44.3	3626.4	208034	51.790 ng/ml
Oxymorphone	1.440	111690	510155.9	60.3	435566.6	79301	52.197 ng/ml
Phentermine	3.813	163743	669.1	5.2	719.9	371000	53.341 ng/ml
Promethazine	5.563	214101	2334.7	33.2	850.0	196170	50.091 ng/ml
Quetiapine	5.565	161919	1474.9	61.5	52629.5	43733	53.207 ng/ml
Sertraline	5.783	50963	3243.3	80.9	34790.9	39876	50.132 ng/ml
Temazepam	5.819	377783	5754.2	27.7	1643.9	353007	49.564 ng/ml
Tramadol	4.273	833098	1314.5	3.5	89.7	900637	53.113 ng/ml
Trazodone	5.179	269973	46912.5	85.8	180212.0	227690	50.591 ng/ml
Venlafaxine	5.073	687513	40719.5	32.0	3650.3	724028	48.718 ng/ml
Zolpidem	4.945	556540	1420128.6	27.9	209628.1	588581	51.245 ng/ml

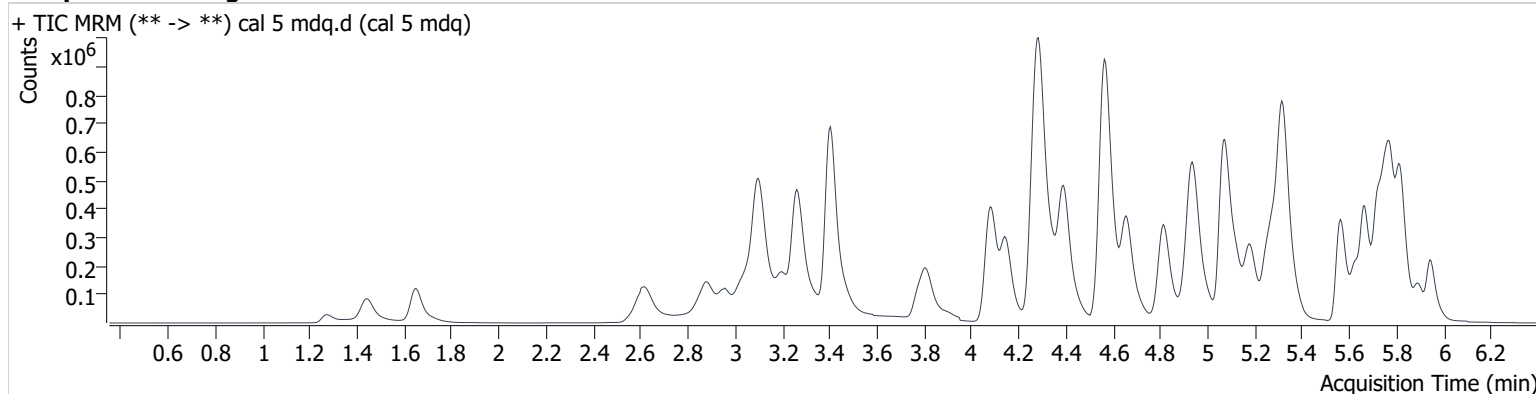
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:45:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	13897	1471.2	66.5	1398.0	40769	9.804 ng/ml
7-aminoclonazepam	4.292	288600	2869.5	65.8	49569.7	129414	103.607 ng/ml
a-hydroxyalprazolam	5.704	44518	4477.2	63.0	3606.9	21595	101.389 ng/ml
alpha-PVP	4.397	775248	136621.8	55.2	2629.7	362315	96.209 ng/ml
Alprazolam	5.777	389292	2451.9	83.9	20639.2	96412	98.078 ng/ml
Amphetamine	3.102	1244889	15455.5	47.9	2203.3	222055	106.140 ng/ml
Benzoylcegonine	3.906	17748	108.4	9.0	177.7	7776	96.159 ng/ml
Buprenorphine	5.765	6968	1967.4	16.5	2342.4	28961	9.757 ng/ml
Bupropion	4.820	666371	1957.5	63.9	8932.5	270967	99.866 ng/ml
Carisoprodol	5.729	396083	16084.3	72.7	6820.8	207879	101.513 ng/ml
Citalopram	5.251	398323	2444.4	29.9	402126.6	178145	100.850 ng/ml
Clonazepam	5.623	211534	9861.2	34.8	171010.6	49379	101.676 ng/ml
Cocaine	4.292	614613	195139.9	48.6	42043.7	521097	99.096 ng/ml
Codeine	2.633	79157	27121.8	89.2	621.5	34024	99.418 ng/ml
Cyclobenzaprine	5.640	152373	196227.4	10.5	479.6	77717	95.126 ng/ml
Dextromethorphan	5.295	188831	140018.4	78.2	15256.5	89770	100.352 ng/ml
Dextrorphan	4.146	185001	8214.3	207.7	768.8	207559	99.621 ng/ml
Diazepam	5.947	233145	8884.8	89.5	9514.7	110484	99.088 ng/ml
Dihydrocodeine	2.601	161880	74840.0	87.7	3252.0	108614	103.957 ng/ml
Diphenhydramine	5.322	1087991	115961.5	36.3	27956.9	616244	96.523 ng/ml
Doxylamine	4.569	1632793	310179.4	91.2	572757.0	740365	99.495 ng/ml
EDDP	5.290	122893	2723.6	265.9	3919.3	153895	101.763 ng/ml
Fentanyl	5.128	33263	1398.6	50.9	45010.8	182120	9.792 ng/ml
Fluoxetine	5.716	171410	6368.1	8.2	3828.9	75729	98.912 ng/ml
Hydrocodone	3.059	235574	13901.4	50.9	2147.5	160119	108.079 ng/ml
Hydromorphone	1.653	211158	2754402.8	85.5	22790.6	94918	99.415 ng/ml
Ketamine	4.082	622728	181609.4	29.8	1670.9	307050	100.952 ng/ml
Lamotrigine	4.320	57853	1652.9	86.6	1333.9	307050	100.087 ng/ml
Lorazepam	5.751	190998	16214.1	69.8	3384.4	110484	91.356 ng/ml
Meprobamate	4.932	323673	26233.3	33.5	867.3	166660	103.695 ng/ml
Methadone	5.664	400378	116016.9	86.2	10404.6	252705	97.716 ng/ml
Methamphetamine	3.264	774226	∞	38.2	431.0	338828	90.997 ng/ml
Metoprolol	4.354	137901	10731.7	98.8	15002.8	740365	106.027 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	737926	20141.2	58.6	16147.0	252705	97.565 ng/ml
Mitragynine	5.261	77411	2550.0	34.6	3289.9	252705	106.483 ng/ml
Morphine	1.272	25364	287308.7	65.3	174519.7	1731	102.435 ng/ml
Norbuprenorphine	5.030	1055	4698.4	95.0	1910.5	5601	9.971 ng/ml
Nordiazepam	5.897	214160	715179.4	49.8	58709.0	72611	99.447 ng/ml
Norfentanyl	4.112	93444	14394.2	41.4	214.4	428367	9.609 ng/ml
Norhydrocodone	3.110	8055	462.5	44.4	84.3	34746	101.056 ng/ml
Noroxycodone	2.957	179334	1789.1	55.5	859.9	58743	101.838 ng/ml
O-desmethyl-tramadol	3.405	1492986	362382.2	6.4	9078.8	821606	96.357 ng/ml
Oxazepam	5.758	314611	11620.1	61.7	3836.0	204731	104.251 ng/ml
Oxycodone	2.880	324575	15332.7	43.8	25619.5	202697	101.779 ng/ml
Oxymorphone	1.440	209815	3993774.2	60.6	1194128.4	75879	103.464 ng/ml
Phentermine	3.813	311128	1000.9	5.1	703.8	361871	103.801 ng/ml
Promethazine	5.563	358881	38492.2	33.2	3940.5	166764	98.764 ng/ml
Quetiapine	5.565	296124	1019.1	62.6	2439.0	42654	100.259 ng/ml
Sertraline	5.783	81391	9243.1	84.1	25010.9	32517	98.722 ng/ml
Temazepam	5.819	699326	29431.5	27.8	2432.2	338422	95.750 ng/ml
Tramadol	4.273	1543244	5055.5	3.5	1118.1	858874	104.197 ng/ml
Trazodone	5.179	513602	58956.3	84.9	1549.8	217215	101.167 ng/ml
Venlafaxine	5.073	1294860	6480.4	31.9	2634.7	686725	96.298 ng/ml
Zolpidem	4.945	1049386	316261.9	27.7	668.6	572167	99.564 ng/ml

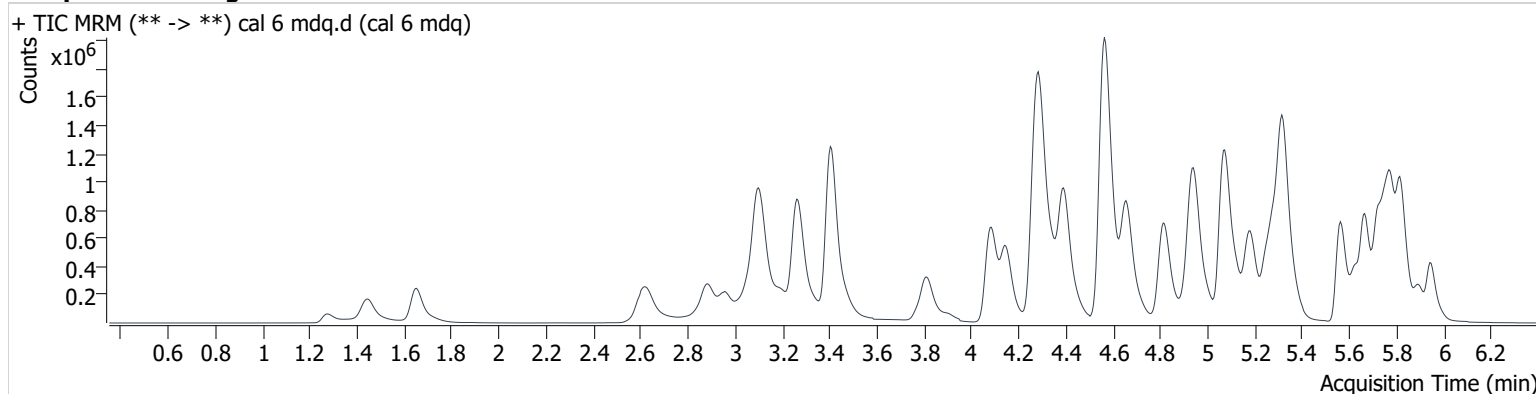
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 7:56:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	34090	2582.8	66.6	18597.5	39182	25.074 ng/ml
7-aminoclonazepam	4.292	579723	13582.9	65.9	33951.3	107017	252.899 ng/ml
a-hydroxyalprazolam	5.704	94280	5299.4	60.8	1204.9	18210	256.123 ng/ml
alpha-PVP	4.397	1813206	2767.3	54.8	83521.2	330290	246.284 ng/ml
Alprazolam	5.777	837651	2695.8	84.6	2002.4	80997	251.184 ng/ml
Amphetamine	3.102	2546739	9426.8	48.5	25238.6	195379	248.234 ng/ml
Benzoylcegonine	3.906	46465	54674.6	8.4	1166.3	7973	246.861 ng/ml
Buprenorphine	5.765	15164	4625.0	17.0	724.5	25456	24.319 ng/ml
Bupropion	4.820	1545371	43762.7	63.4	73184.3	252112	249.251 ng/ml
Carisoprodol	5.729	814276	23680.0	72.6	7336.5	173294	250.915 ng/ml
Citalopram	5.251	861854	11679.2	30.6	635484.4	155084	250.922 ng/ml
Clonazepam	5.623	475273	858530.8	33.8	272435.0	44151	256.641 ng/ml
Cocaine	4.292	1358951	303896.2	48.9	9760.8	461340	247.490 ng/ml
Codeine	2.633	183923	455.5	89.1	887.3	31483	250.269 ng/ml
Cyclobenzaprine	5.635	321640	626117.8	10.5	1807.7	61309	255.303 ng/ml
Dextromethorphan	5.295	399736	11408.9	77.8	19671.4	75008	254.275 ng/ml
Dextrorphan	4.146	413808	190672.4	207.7	1311.7	186753	247.887 ng/ml
Diazepam	5.947	538732	7046.6	86.4	22142.1	99134	256.493 ng/ml
Dihydrocodeine	2.601	374393	8811.7	90.0	69642.8	104833	250.310 ng/ml
Diphenhydramine	5.322	2472132	333203.4	36.0	5656.0	547979	246.133 ng/ml
Doxylamine	4.564	3952129	385860.5	91.3	287785.9	708529	251.989 ng/ml
EDDP	5.285	331163	3945.0	267.7	3340.2	171597	246.280 ng/ml
Fentanyl	5.128	77540	3375.8	52.4	61591.7	165244	25.199 ng/ml
Fluoxetine	5.716	317343	100097.0	8.3	50309.1	56916	244.636 ng/ml
Hydrocodone	3.059	532409	2496.3	50.8	1164.3	151088	260.827 ng/ml
Hydromorphone	1.653	493776	39606.2	89.1	41587.3	85212	259.328 ng/ml
Ketamine	4.082	1454577	2941.3	29.4	11663.6	286203	253.727 ng/ml
Lamotrigine	4.320	120466	1473.9	87.6	2968.9	286203	224.661 ng/ml
Lorazepam	5.751	325144	43416.9	69.9	3133.2	99134	174.055 ng/ml
Meprobamate	4.927	677058	97131.6	33.1	37786.4	147513	245.966 ng/ml
Methadone	5.664	913581	135979.3	87.2	3339.7	227522	247.267 ng/ml
Methamphetamine	3.264	1797739	∞	37.9	945.2	289156	267.353 ng/ml
Metoprolol	4.354	301533	4157.7	99.2	32792.2	708529	244.106 ng/ml

AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	1753650	6843.4	58.5	131867.7	227522	257.869 ng/ml
Mitragynine	5.255	171086	4884.8	34.5	554.3	227522	263.258 ng/ml
Morphine	1.277	60359	1521454.0	64.7	229028.9	1697	250.148 ng/ml
Norbuprenorphine	5.024	2498	4206.3	84.2	1510.0	5281	25.339 ng/ml
Nordiazepam	5.897	488012	18128.3	48.4	5446.2	65342	252.310 ng/ml
Norfentanyl	4.112	200684	19986.6	41.4	4518.3	356143	24.798 ng/ml
Norhydrocodone	3.110	16649	31.1	48.8	2239.7	28624	252.228 ng/ml
Noroxycodone	2.957	389370	3708.2	57.7	9669.4	51649	252.421 ng/ml
O-desmethyl-tramadol	3.410	3573686	334385.2	6.3	20221.5	771516	245.335 ng/ml
Oxazepam	5.758	581077	30256.4	63.4	8074.4	151349	262.607 ng/ml
Oxycodone	2.885	776926	1495.5	44.4	1797.9	193353	256.410 ng/ml
Oxymorphone	1.445	488671	4451759.2	60.6	1041777.9	71448	257.428 ng/ml
Phentermine	3.813	685121	869.1	5.0	1337.3	324385	254.825 ng/ml
Promethazine	5.563	753184	166766.5	32.5	5391.0	140428	246.143 ng/ml
Quetiapine	5.565	709067	2244985.9	62.4	529295.4	40057	256.509 ng/ml
Sertraline	5.783	146459	656.8	82.6	313967.4	23026	251.728 ng/ml
Temazepam	5.819	1609810	44384.7	27.5	5153.8	295368	252.619 ng/ml
Tramadol	4.273	3490138	353480.7	3.4	365.5	799587	254.676 ng/ml
Trazodone	5.179	1296206	851.1	85.4	1895.9	222326	249.866 ng/ml
Venlafaxine	5.073	3064527	470590.2	31.6	36933.5	638917	244.269 ng/ml
Zolpidem	4.945	2512252	2159.5	27.7	319575.3	544138	250.904 ng/ml

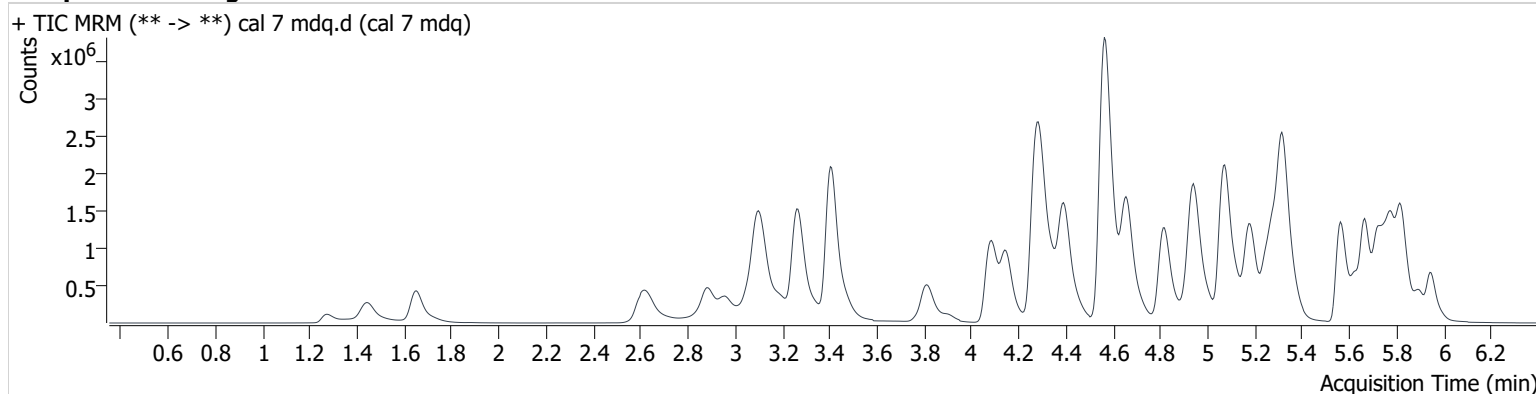
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 8:06:58 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	68700	10250.5	67.0	14088.1	38979	50.825 ng/ml
7-aminoclonazepam	4.292	832846	107314.9	68.2	24707.6	81368	478.608 ng/ml
a-hydroxyalprazolam	5.699	154290	3635.6	61.7	2735.2	15478	494.046 ng/ml
alpha-PVP	4.397	3374050	399560.7	54.9	23929.5	307145	492.469 ng/ml
Alprazolam	5.777	1418822	30777.5	83.5	21798.7	70244	490.580 ng/ml
Amphetamine	3.102	4366128	61220.8	48.0	10886.3	182922	455.465 ng/ml
Benzoylcegonine	3.906	97268	13520.2	8.4	1837.7	8534	483.623 ng/ml
Buprenorphine	5.765	27480	3460.4	16.6	790.0	22540	49.883 ng/ml
Bupropion	4.820	2949531	1028304.7	63.2	15501.1	242161	495.497 ng/ml
Carisoprodol	5.729	1264346	7972.8	73.5	3028.8	138829	486.690 ng/ml
Citalopram	5.251	1630839	1032.1	30.0	125627.3	146583	502.522 ng/ml
Clonazepam	5.623	758923	708186.2	34.1	558801.9	37839	478.812 ng/ml
Cocaine	4.292	2394069	370794.1	48.1	187425.9	404344	497.464 ng/ml
Codeine	2.633	332724	4734.3	88.7	38226.7	28887	493.834 ng/ml
Cyclobenzaprine	5.635	613781	1125399.6	10.3	4861.4	59601	501.591 ng/ml
Dextromethorphan	5.295	753932	11252.5	78.2	15860.6	71425	503.665 ng/ml
Dextrorphan	4.152	817810	507694.8	209.8	375227.8	185959	492.143 ng/ml
Diazepam	5.947	935442	30103.1	87.5	46126.9	87916	502.997 ng/ml
Dihydrocodeine	2.601	730480	3423.3	86.3	1122.8	105619	485.560 ng/ml
Diphenhydramine	5.327	4701799	10107.6	36.1	161631.8	522591	490.543 ng/ml
Doxylamine	4.564	7940670	23017.9	90.4	7037.2	713208	503.202 ng/ml
EDDP	5.285	699160	700683.7	269.4	6116.9	178667	499.627 ng/ml
Fentanyl	5.128	159069	5177.9	52.6	195802.1	168119	50.838 ng/ml
Fluoxetine	5.716	634323	122676.5	8.0	9137.4	55501	502.159 ng/ml
Hydrocodone	3.059	975351	3368.9	48.0	∞	144145	502.135 ng/ml
Hydromorphone	1.653	948673	65961.1	89.5	98118.6	85458	497.012 ng/ml
Ketamine	4.082	2739767	4749.8	29.6	1264.5	276072	495.918 ng/ml
Lamotrigine	4.325	187915	2857.3	88.3	2054.6	276072	363.843 ng/ml
Lorazepam	5.746	394307	35044.6	69.4	2258.9	87916	238.312 ng/ml
Meprobamate	4.927	1052310	99681.6	33.0	1345.2	126736	445.499 ng/ml
Methadone	5.664	1830717	62515.4	86.6	74921.7	229422	491.150 ng/ml
Methamphetamine	3.269	3302878	∞	38.0	2033.9	282321	513.209 ng/ml
Metoprolol	4.354	504454	70082.5	100.1	12887.4	713208	406.653 ng/ml

AM #28 Multi-Drug Quant. Results

BW

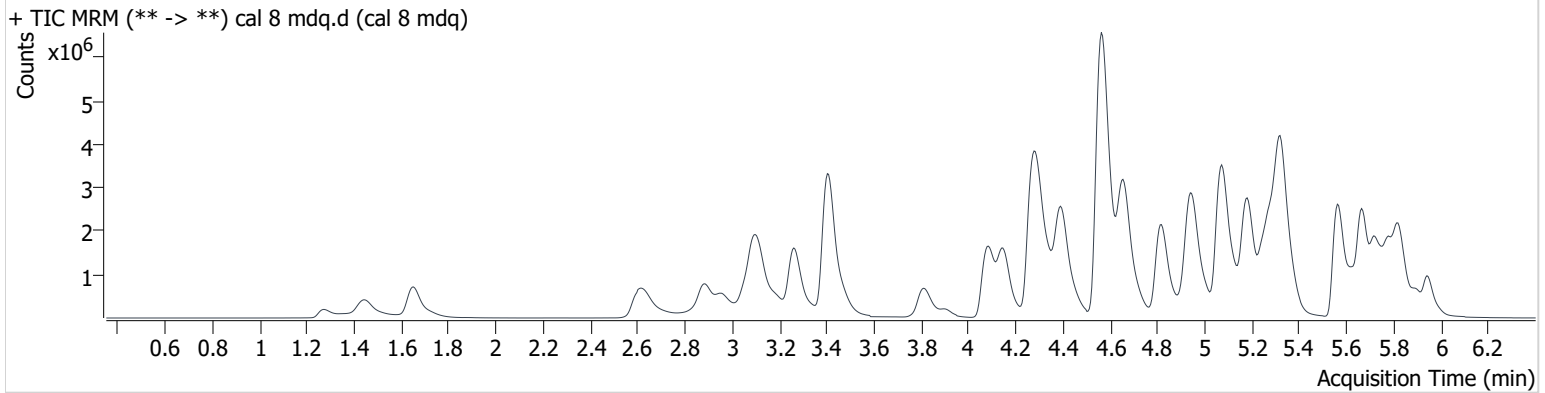
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.661	3517584	292518.9	58.3	3901.8	229422	513.176 ng/ml
Mitragynine	5.255	311379	1072.2	35.2	179539.1	229422	476.203 ng/ml
Morphine	1.277	114390	132777.4	64.9	896786.4	1651	488.205 ng/ml
Norbuprenorphine	5.019	4787	861.2	94.1	7680.0	5087	50.607 ng/ml
Nordiazepam	5.897	843212	5460.0	49.6	25405.7	58640	486.074 ng/ml
Norfentanyl	4.112	407347	104380.9	41.1	15135.1	352038	50.906 ng/ml
Norhydrocodone	3.105	38522	32.5	44.1	915.4	25446	655.072 ng/ml
Noroxycodone	2.957	680912	4700.0	56.9	2213.9	45414	502.651 ng/ml
O-desmethyl-tramadol	3.410	6855943	461477.4	6.3	17869.0	731994	495.888 ng/ml
Oxazepam	5.758	777420	25874.6	62.6	2822.3	103896	513.166 ng/ml
Oxycodone	2.880	1492790	81201.7	44.1	6101.2	190660	500.264 ng/ml
Oxymorphone	1.440	889773	5633029.0	60.3	6119081.1	66217	506.740 ng/ml
Phentermine	3.813	1243334	775.4	5.0	495.0	308587	486.018 ng/ml
Promethazine	5.563	1548196	4547.9	32.8	9175.8	141299	502.830 ng/ml
Quetiapine	5.565	1391545	5173796.6	64.3	23314.9	41669	484.420 ng/ml
Sertraline	5.783	257783	17028.1	82.5	366235.8	20753	492.128 ng/ml
Temazepam	5.824	2790289	36154.3	27.9	3551.7	261035	495.505 ng/ml
Tramadol	4.268	6211978	914557.2	3.3	3546.0	755317	480.818 ng/ml
Trazodone	5.179	2696278	291640.0	85.7	209849.2	230685	501.204 ng/ml
Venlafaxine	5.074	5851326	588166.5	31.7	12282.8	605575	491.625 ng/ml
Zolpidem	4.945	4863003	7632.4	27.1	3324426.2	531384	497.509 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-25-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/28/2020 2:45:29 PM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	3/25/2020 8:28:27 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.168	134765	2639.0	67.2	16011.6	37708	103.093 ng/ml
7-aminoclonazepam	4.292	981936	2228.7	66.1	85358.3	51521	891.923 ng/ml
a-hydroxyalprazolam	5.699	207836	16568.4	60.6	3318.9	10946	941.887 ng/ml
alpha-PVP	4.398	5882023	15949.5	54.6	199178.4	259583	1015.453 ng/ml
Alprazolam	5.783	2047885	10442.3	82.7	26128.4	49222	1010.494 ng/ml
Amphetamine	3.106	5774854	101669.5	48.2	60376.0	132498	832.582 ng/ml
Benzoylcegonine	3.906	211453	32190.8	8.3	12197.3	8262	1087.110 ng/ml
Buprenorphine	5.765	52127	1770.2	15.8	23822.0	22163	96.330 ng/ml
Bupropion	4.820	5215024	9138.3	63.2	36632.3	214449	989.513 ng/ml
Carisoprodol	5.729	1639588	14174.3	72.7	7606.3	88463	990.873 ng/ml
Citalopram	5.251	2814359	5566.2	29.4	471625.1	127680	995.775 ng/ml
Clonazepam	5.623	952171	84793.5	34.6	4707.1	24691	921.351 ng/ml
Cocaine	4.292	3870844	4744.2	48.2	10430.9	323081	1006.630 ng/ml
Codeine	2.638	565157	116170.2	88.1	1785.8	24129	1004.641 ng/ml
Cyclobenzaprine	5.635	1196766	6232.3	10.3	4531.9	58503	996.820 ng/ml
Dextromethorphan	5.295	1326293	26148.9	78.8	209467.5	64335	983.686 ng/ml
Dextrorphan	4.152	1522253	31803.4	210.2	4953.7	168729	1009.775 ng/ml
Diazepam	5.947	1466647	10016.3	86.9	4965.4	70117	989.623 ng/ml
Dihydrocodeine	2.601	1282809	2852.9	88.2	52626.5	101935	884.224 ng/ml
Diphenhydramine	5.327	8696411	29463.2	35.2	4159.9	465795	1017.585 ng/ml
Doxylamine	4.564	14567787	3350666.0	90.8	1809955.0	668568	985.019 ng/ml
EDDP	5.285	1435528	16906.8	269.2	10369.1	179574	1020.917 ng/ml
Fentanyl	5.128	380011	3764.8	53.1	318719.9	192961	105.842 ng/ml
Fluoxetine	5.716	1132166	403350.5	8.1	28939.7	48418	1028.104 ng/ml
Hydrocodone	3.059	1741935	1672.2	53.8	4177.2	132638	975.913 ng/ml
Hydromorphone	1.653	1733489	78923.0	89.9	266454.4	78070	994.357 ng/ml
Ketamine	4.082	4715466	3773.2	29.3	4132.6	247332	953.169 ng/ml
Lamotrigine	4.325	251422	9467.5	87.5	6276.5	247332	543.802 ng/ml
Lorazepam	5.746	374339	13093.2	69.6	656.2	70117	283.829 ng/ml
Meprobamate	4.922	1391521	1208.1	33.1	18369.4	98990	754.690 ng/ml
Methadone	5.669	3763819	295561.9	86.1	266764.1	228362	1014.192 ng/ml
Methamphetamine	3.264	3391868	∞	38.2	∞	155002	969.941 ng/ml
Metoprolol	4.354	749368	1651382.3	98.4	67650.4	668568	645.261 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.662	7069981	32425.3	58.5	48261.2	228362	1036.433 ng/ml
Mitragynine	5.255	512731	269741.0	35.7	336333.0	228362	788.619 ng/ml
Morphine	1.272	206729	2148956.2	63.1	1462745.6	1453	1004.046 ng/ml
Norbuprenorphine	5.024	9436	587.7	94.3	5079.5	5114	99.411 ng/ml
Nordiazepam	5.897	1308184	7784.5	48.4	9821.0	44962	983.838 ng/ml
Norfentanyl	4.112	537967	2098.1	40.9	7865.3	220780	107.181 ng/ml
Norhydrocodone	3.105	82032	268.8	45.9	10211.6	22703	1562.246 ng/ml
Noroxycodone	2.957	1051964	2136.5	56.8	2373.3	35567	992.190 ng/ml
O-desmethyl-tramadol	3.405	12407198	573389.3	6.2	7360.0	648274	1013.111 ng/ml
Oxazepam	5.753	757239	21502.9	61.6	5691.0	53802	966.507 ng/ml
Oxycodone	2.880	2752362	4134.2	44.3	50313.2	177696	990.322 ng/ml
Oxymorphone	1.445	1535631	11111858.5	60.4	4667712.7	59123	980.459 ng/ml
Phentermine	3.813	1843813	1201.6	4.8	5316.8	243823	912.089 ng/ml
Promethazine	5.563	3551821	3896186.0	32.4	14275.2	162645	1002.176 ng/ml
Quetiapine	5.565	2662060	2180307.5	62.5	209835.2	40873	945.289 ng/ml
Sertraline	5.788	454235	28301.2	81.3	434015.2	17555	1025.786 ng/ml
Temazepam	5.824	4247031	160566.8	27.1	13630.5	184157	1069.097 ng/ml
Tramadol	4.268	10248890	2129157.5	3.4	3186.0	675860	887.462 ng/ml
Trazodone	5.182	5778447	837280.9	84.8	1597.4	253761	976.733 ng/ml
Venlafaxine	5.073	10736690	3588625.5	31.1	735977.1	535708	1019.258 ng/ml
Zolpidem	4.945	8635615	2437958.5	26.7	1681.0	481461	975.243 ng/ml