











Worklist: 4251

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-0831	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0853	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0862	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0863	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0870	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0877	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0887	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0889	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0890	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0915	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

BW

Extraction Date 5/21/2020

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: 41520

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.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** 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- (5-500) methamphetamine, trazodone; (10-1000) Benzylecgonine; (2.5-100) Buprenorphine; (5-250) Lamotrigine, metoprolol, mitragynine, norhydrocodone; (5-100) Lorazepam

**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~~ New plates recieved

*MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020

*MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

5-22-20

BW

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

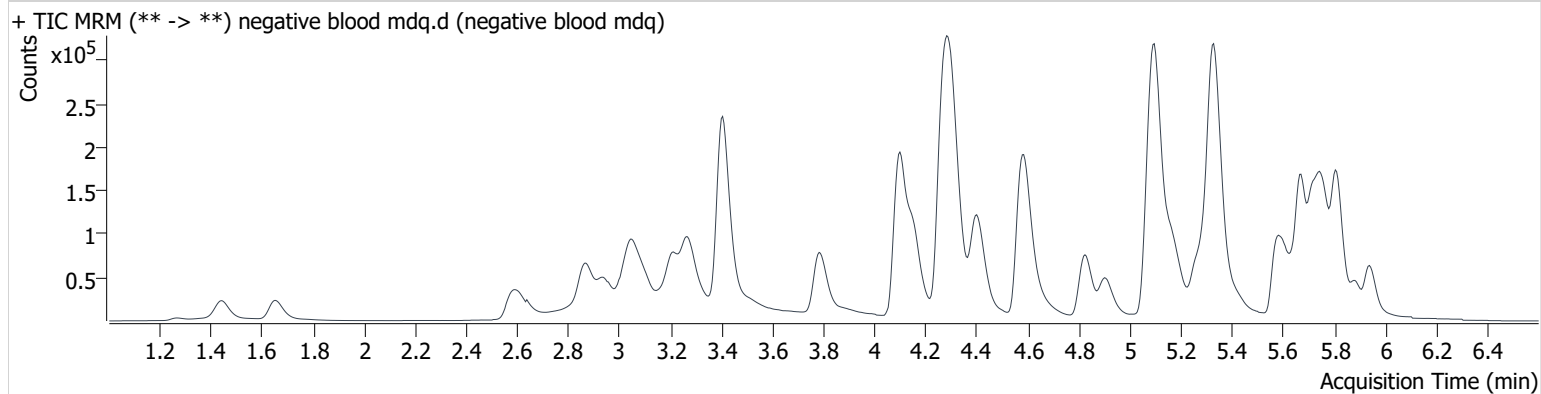
Toxicology Discipline Lead

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 6:54:51 PM		
Sample Info.			

Sample Chromatogram

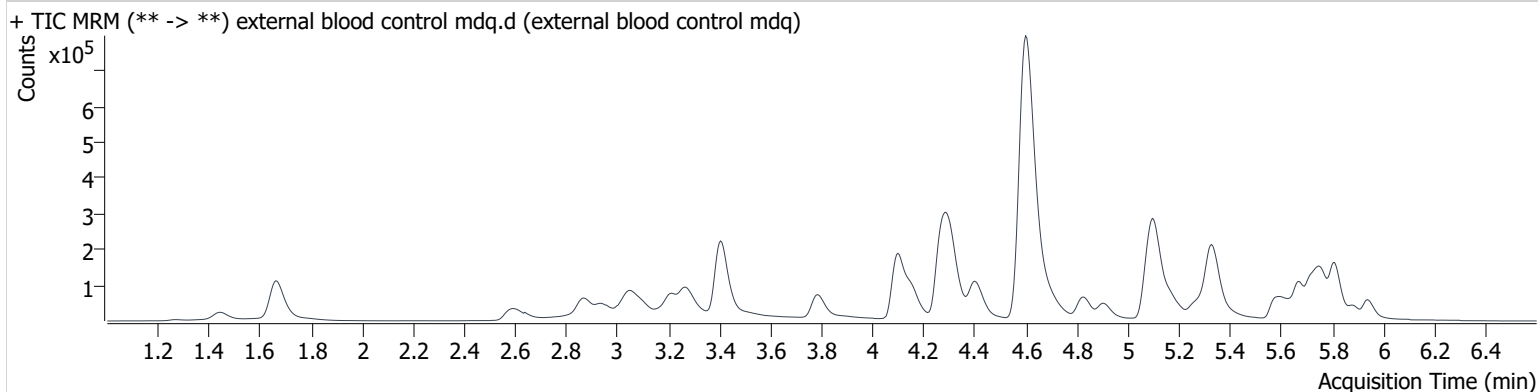


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	external blood control mdq.d
Type	Sample	Sample	external blood control mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 7:05:41 PM		

Sample Chromatogram



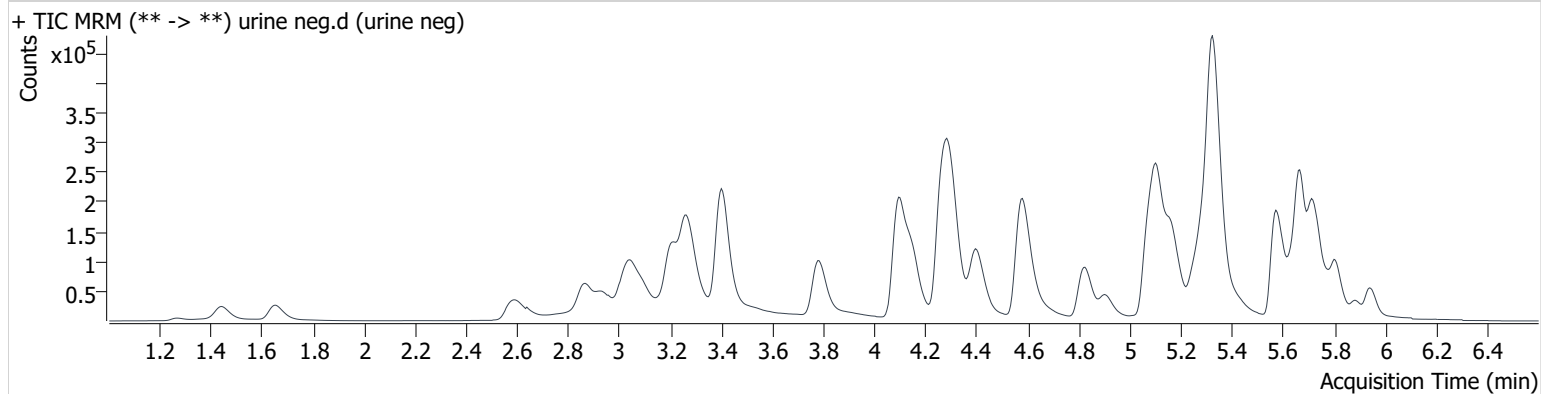
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Doxylamine	4.604	1581875	28639.7	94.9	9201.9	763333	88.320 ng/ml
Hydromorphone	1.667	227009	5981.3	78.1	7291.6	98388	92.447 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	urine neg.d
Type	Sample	Sample	urine neg
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-G3	Comment	
Injection Volume	2		
Acq. Date-Time	5/22/2020 1:33:54 AM		
Sample Info.			

Sample Chromatogram

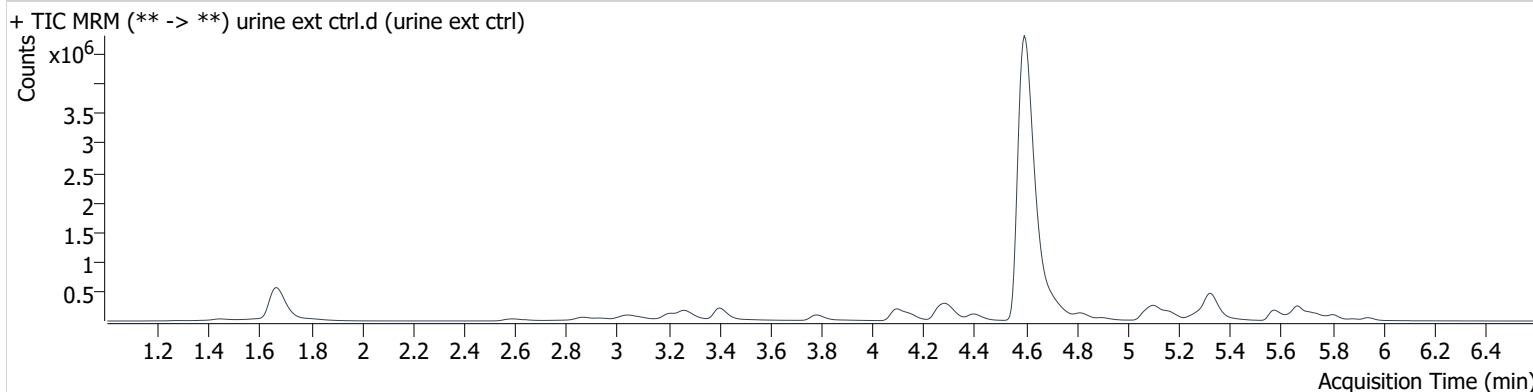


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	urine ext ctrl.d
Type	Sample	Sample	urine ext ctrl
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-H3	Comment	
Injection Volume	2		
Acq. Date-Time	5/22/2020 1:44:44 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Doxylamine	4.594	11722126	5132.8	94.4	622725.4	808338	619.075 ng/ml
Hydromorphone	1.667	1536808	46273.1	78.1	6114.5	96950	633.653 ng/ml
Methamphetamine	3.269	316770	∞	39.6	∞	478503	1.031 ng/ml <32

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 (Alfa Aesar lot Z22F712)

ppd 5/6/20: Exp: 6/1/20 lot 5620 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Doxylamine	FN11201501	11/1/2020
nortriptyline	FN06191503	8/1/2020
chlordiazepoxide	FE07241502	8/1/2020

AM 25/28 control 500 ul working solution (5620) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 5/6/20, exp 6/1/20 lot u32420 negative urine 41520 by BAW

AM 25/28 Blood Control: 50ul working solution (562020) in 4950 ul neg blood (100ng/mL Expected concentration)

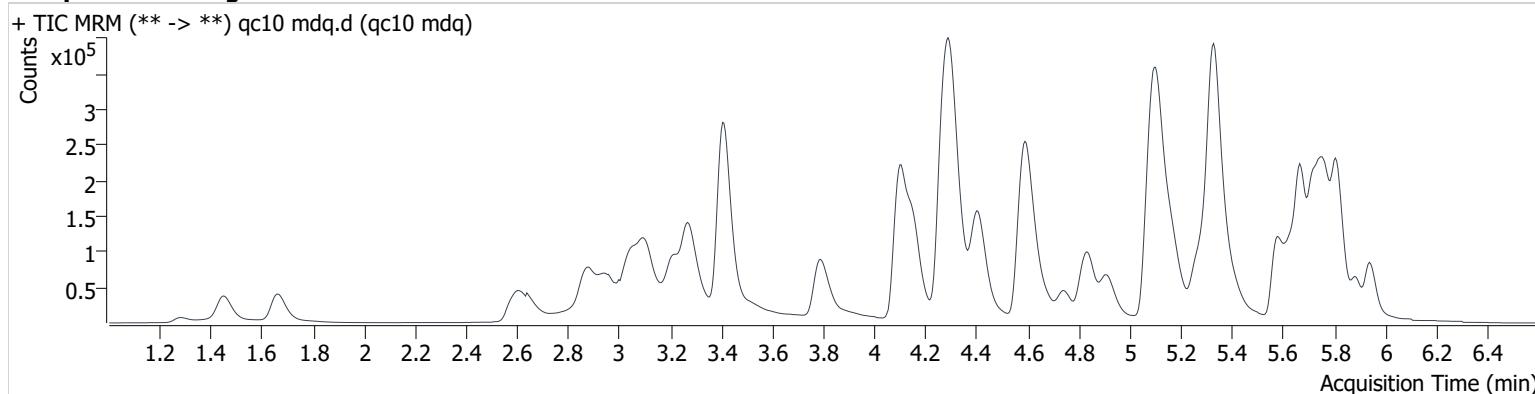
ppd 5/6/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 1:14:30 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 9:36:40 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.184	1698	4831.0	76.7	1141.2	50292	0.942 ng/ml
7-aminoclonazepam	4.302	35960	2874.5	77.6	1628.1	157169	9.899 ng/ml
a-hydroxyalprazolam	5.705	6053	997.3	66.0	6925.9	31898	8.859 ng/ml
alpha-PVP	4.417	87103	5061.4	54.2	1102.7	390746	9.800 ng/ml
Alprazolam	5.774	47796	1753.4	97.3	689.6	147919	9.731 ng/ml
Amphetamine	3.112	148849	3256.6	57.5	1128.8	233987	9.980 ng/ml
Benzoylcegonine	3.904	2204	445.6	6.4	26.2	7952	12.168 ng/ml
Buprenorphine	5.997	846	72.7	16.3	393.4	32684	1.549 ng/ml *
Bupropion	4.846	77480	743.6	61.8	3673.3	303222	10.007 ng/ml
Carisoprodol	5.729	44574	1089.9	68.9	696.0	224682	10.102 ng/ml
Citalopram	5.265	48158	575.6	40.1	1108.3	204932	10.058 ng/ml
Clonazepam	5.623	33863	2688.4	36.3	20336.6	65620	9.699 ng/ml
Cocaine	4.306	74757	5762.6	47.3	2056.7	598854	9.732 ng/ml
Codeine	2.658	10233	182.1	92.5	1562.9	49764	10.213 ng/ml
Cyclobenzaprine	5.646	35028	76739.5	8.7	210.6	138888	10.126 ng/ml
Dextromethorphan	5.309	29971	10898.3	75.2	1302.5	143178	10.001 ng/ml
Dextrophan	4.156	25358	22514.8	213.3	7351.9	281774	10.397 ng/ml
Diazepam	5.945	28952	1296.2	89.5	4481.2	136778	9.810 ng/ml
Dihydrocodeine	2.627	25300	4679.1	65.7	1438.1	148520	9.956 ng/ml
Diphenhydramine	5.335	145760	6693.9	35.0	378.7	800917	10.287 ng/ml
Doxylamine	4.604	205737	7970.2	94.6	7945.7	873187	9.888 ng/ml
EDDP	5.303	11302	231.8	252.9	2436.8	128073	10.249 ng/ml
Fentanyl	5.182	4054	108.4	68.8	8975.1	236510	0.996 ng/ml
Fluoxetine	5.722	35480	97869.7	8.1	7424.7	139010	10.423 ng/ml
Hydrocodone	3.084	29679	1860.5	49.1	70.2	208975	8.063 ng/ml
Hydromorphone	1.672	30121	2730.5	78.2	5373.8	128592	9.611 ng/ml
Ketamine	4.121	70041	7641.3	34.2	583.8	334210	10.123 ng/ml
Lamotrigine	4.349	7634	1432.9	87.2	1840.6	334210	10.669 ng/ml
Lorazepam	5.752	28216	1544.7	66.3	421.6	136778	10.346 ng/ml
Meprobamate	4.929	39032	6018.7	30.1	570.3	172377	10.031 ng/ml
Methadone	5.675	80754	5582.8	58.2	2131.6	403457	9.955 ng/ml
Methamphetamine	3.274	247197	∞	39.5	∞	271031	11.808 ng/ml
Metoprolol	4.359	15759	47844.8	99.1	2990.5	873187	10.444 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.743	93965	3460.2	49.2	4054.7	403457	9.697 ng/ml
Mitragynine	5.316	10576	5141.5	34.3	14785.1	403457	10.623 ng/ml
Morphine	1.291	4718	911.1	23.5	1358.6	4222	9.245 ng/ml
Norbuprenorphine	5.052	149	274.3	88.7	260.9	6378	0.975 ng/ml
Nordiazepam	5.894	29721	2417.1	55.6	5220.7	94400	10.566 ng/ml
Norfentanyl	4.121	1557	265.5	283.1	243.4	502415	1.085 ng/ml
Norhydrocodone	3.115	946	208.6	43.1	406.2	52724	8.591 ng/ml
Noroxycodone	2.967	31733	885.3	47.3	1388.1	113569	9.716 ng/ml
O-desmethyl-tramadol	3.411	164633	3564.6	6.6	2995.6	887548	10.101 ng/ml
Oxazepam	5.759	44190	2158.9	72.4	730.0	259539	9.359 ng/ml
Oxycodone	2.900	64289	2353.7	32.5	2741.0	310017	11.195 ng/ml
Oxymorphone	1.454	34851	1098.1	49.2	5649.2	136624	9.597 ng/ml
Phentermine	3.821	25865	187.7	6.9	69.2	318572	9.907 ng/ml
Promethazine	5.578	63805	4287.1	32.5	228.8	286976	10.275 ng/ml
Quetiapine	5.632	43467	5789.3	58.8	24936.3	60245	10.751 ng/ml
Sertraline	5.790	18521	1642.3	92.7	36647.4	77065	10.730 ng/ml
Temazepam	5.816	84997	3845.5	28.1	173.9	403772	10.121 ng/ml
Tramadol	4.282	189436	14558.2	3.5	207.1	938899	10.472 ng/ml
Trazodone	5.383	72479	2531.6	79.6	9042.2	304506	9.980 ng/ml
Venlafaxine	5.080	139366	1049.9	37.4	1306.8	745603	9.923 ng/ml
Zolpidem	5.132	165021	2840.2	28.5	2975.9	743107	10.150 ng/ml

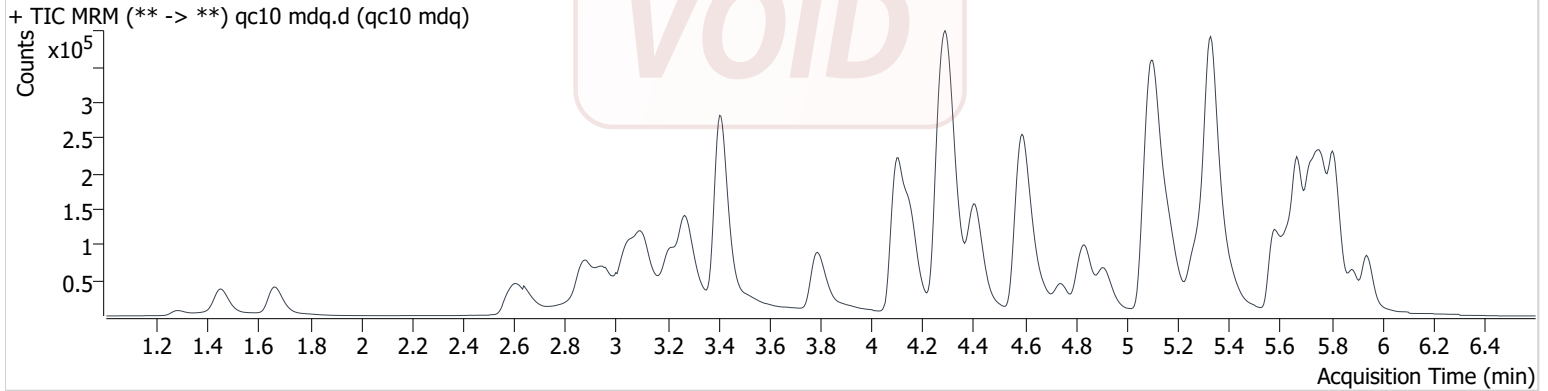
* Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 9:36:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.184	1698	3220.7	76.7	760.8	50292	0.942 ng/ml
7-aminoclonazepam	4.302	35960	1916.3	77.6	1085.4	157169	9.899 ng/ml
a-hydroxyalprazolam	5.705	6053	664.8	66.0	4617.3	31898	8.859 ng/ml
alpha-PVP	4.417	87103	3374.3	54.2	735.1	390746	9.800 ng/ml
Alprazolam	5.774	47796	1168.9	97.3	459.8	147919	9.731 ng/ml
Amphetamine	3.112	148849	2171.1	57.5	752.6	233987	9.980 ng/ml
Benzoyllecgonine	3.904	2204	198.0	6.3 Low	16.6	7952	12.168 ng/ml
Buprenorphine	5.997	846	48.4	16.3	262.2	32684	1.549 ng/ml
Bupropion	4.846	77480	495.8	61.8	2448.9	303222	10.007 ng/ml
Carisoprodol	5.729	44574	726.6	68.9	464.0	224682	10.102 ng/ml
Citalopram	5.265	48158	383.7	40.1	738.8	204932	10.058 ng/ml
Clonazepam	5.623	33863	1792.3	36.3	13557.7	65620	9.699 ng/ml
Cocaine	4.306	74757	3841.7	47.3	1371.1	598854	9.732 ng/ml
Codeine	2.658	10233	121.4	92.5	1041.9	49764	10.213 ng/ml
Cyclobenzaprine	5.646	35028	51159.7	8.7	140.4	138888	10.126 ng/ml
Dextromethorphan	5.309	29971	7265.5	75.2	868.3	143178	10.001 ng/ml
Dextrorphan	4.156	25358	15009.9	213.3	4901.3	281774	10.397 ng/ml
Diazepam	5.945	28952	864.2	89.5	2987.5	136778	9.810 ng/ml
Dihydrocodeine	2.627	25300	3119.4	65.7	958.7	148520	9.956 ng/ml
Diphenhydramine	5.335	145760	4462.6	35.0	252.5	800917	10.287 ng/ml
Doxylamine	4.604	205737	5313.4	94.6	5297.1	873187	9.888 ng/ml
EDDP	5.303	11302	154.5	252.9	1624.5	128073	10.249 ng/ml
Fentanyl	5.182	4054	72.3	68.8	5983.4	236510	0.996 ng/ml
Fluoxetine	5.722	35480	65246.5	8.1	4949.8	139010	10.423 ng/ml
Hydrocodone	3.084	29679	1240.4	49.1	46.8	208975	8.063 ng/ml
Hydromorphone	1.672	30121	1820.3	78.2	3582.5	128592	9.611 ng/ml
Ketamine	4.121	70041	5094.2	34.2	389.2	334210	10.123 ng/ml
Lamotrigine	4.349	7634	955.3	87.2	1227.1	334210	10.669 ng/ml
Lorazepam	5.752	28216	1029.8	66.3	281.1	136778	10.346 ng/ml
Meprobamate	4.929	39032	4012.5	30.1	380.2	172377	10.031 ng/ml
Methadone	5.675	80754	3721.9	58.2	1421.1	403457	9.955 ng/ml
Methamphetamine	3.274	247197	∞	39.5	∞	271031	11.808 ng/ml
Metoprolol	4.359	15759	31896.5	99.1	1993.7	873187	10.444 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.743	93965	2306.8	49.2	2703.1	403457	9.697 ng/ml
Mitragynine	5.316	10576	3427.7	34.3	9856.7	403457	10.623 ng/ml
Morphine	1.291	4718	607.4	23.5	905.7	4222	9.245 ng/ml
Norbuprenorphine	5.052	149	182.9	88.7	173.9	6378	0.975 ng/ml
Nordiazepam	5.894	29721	1611.4	55.6	3480.5	94400	10.566 ng/ml
Norfentanyl	4.121	1557	177.0	283.1	162.2	502415	1.085 ng/ml
Norhydrocodone	3.115	946	139.1	43.1	270.8	52724	8.591 ng/ml
Noroxycodone	2.967	31733	590.2	47.3	925.4	113569	9.716 ng/ml
O-desmethyl-tramadol	3.411	164633	2376.4	6.6	1997.1	887548	10.101 ng/ml
Oxazepam	5.759	44190	1439.3	72.4	486.7	259539	9.359 ng/ml
Oxycodone	2.900	64289	1569.1	32.5	1827.3	310017	11.195 ng/ml
Oxymorphone	1.454	34851	732.1	49.2	3766.2	136624	9.597 ng/ml
Phentermine	3.821	25865	125.1	6.9	46.2	318572	9.907 ng/ml
Promethazine	5.578	63805	2858.1	32.5	152.5	286976	10.275 ng/ml
Quetiapine	5.632	43467	3859.5	58.8	16624.2	60245	10.751 ng/ml
Sertraline	5.790	18521	1094.9	92.7	24431.6	77065	10.730 ng/ml
Temazepam	5.816	84997	2563.7	28.1	116.0	403772	10.121 ng/ml
Tramadol	4.282	189436	9705.5	3.5	138.1	938899	10.472 ng/ml
Trazodone	5.383	72479	1687.7	79.6	6028.2	304506	9.980 ng/ml
Venlafaxine	5.080	139366	700.0	37.4	871.2	745603	9.923 ng/ml
Zolpidem	5.132	165021	1893.4	28.5	1983.9	743107	10.150 ng/ml

* OCR- Outside Curve Range

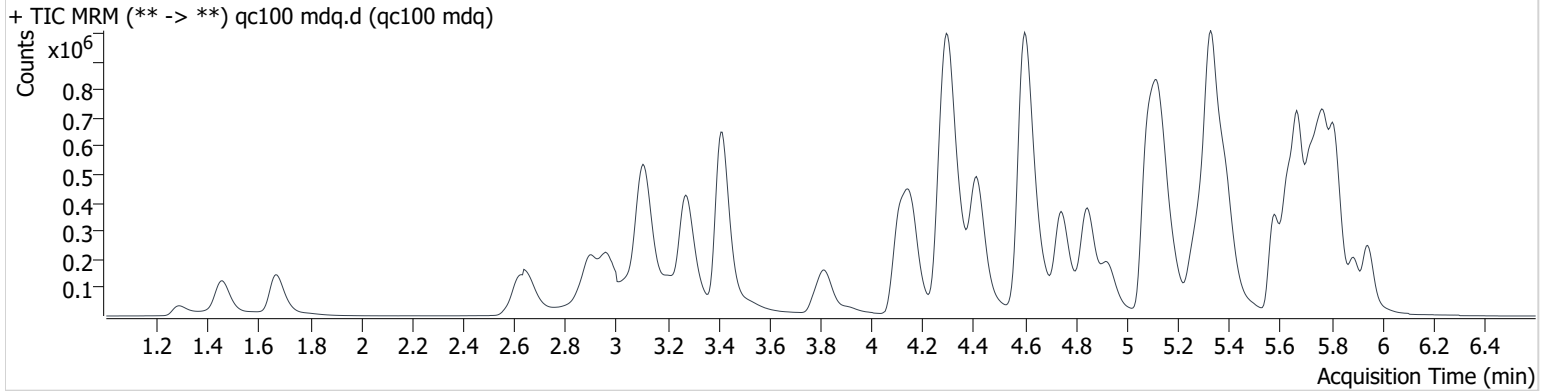
VOID

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 9:47:31 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	16909	4370.4	72.6	1637.7	50870	9.660 ng/ml
7-aminoclonazepam	4.307	313046	18375.6	76.7	8391.5	144529	99.856 ng/ml
a-hydroxyalprazolam	5.700	51823	8240.9	61.4	4415.2	27649	98.054 ng/ml
alpha-PVP	4.417	864989	3380.6	53.3	8997.7	391972	94.852 ng/ml
Alprazolam	5.779	430910	9377.3	96.3	4548.3	132020	101.295 ng/ml
Amphetamine	3.112	1313879	17912.6	50.5	4771.6	237291	112.280 ng/ml
Benzoylcegonine	3.909	22698	2862.4	8.0	167.5	7986	101.174 ng/ml
Buprenorphine	5.997	7635	725.6	15.5	1183.2	33907	9.032 ng/ml
Bupropion	4.846	775218	14018.5	62.4	3755.0	311833	100.757 ng/ml
Carisoprodol	5.729	365734	8189.6	66.8	5858.0	195606	99.603 ng/ml
Citalopram	5.265	464007	3477.0	39.8	129387.6	209846	99.548 ng/ml
Clonazepam	5.623	299275	5352.2	35.2	223859.6	57704	103.593 ng/ml
Cocaine	4.306	692840	102329.6	46.5	15500.4	579545	95.609 ng/ml
Codeine	2.663	101043	1706.3	98.8	7673.0	48218	104.635 ng/ml
Cyclobenzaprine	5.646	343153	695764.8	9.8	2913.0	144204	101.911 ng/ml
Dextromethorphan	5.309	288889	29743.6	77.5	5670.7	143554	97.056 ng/ml
Dextrorphan	4.161	243348	297518.7	211.6	633.5	278387	101.536 ng/ml
Diazepam	5.945	271051	5393.6	88.0	9665.1	131640	99.535 ng/ml
Dihydrocodeine	2.621	242886	7457.3	70.7	9462.8	148331	101.802 ng/ml
Diphenhydramine	5.335	1435637	109574.5	34.8	26457.8	815687	97.724 ng/ml
Doxylamine	4.604	2077996	16063.3	93.9	28117.2	895872	98.876 ng/ml
EDDP	5.298	128161	3242.5	243.7	5729.2	155970	97.587 ng/ml
Fentanyl	5.182	46139	689.5	61.9	1782.1	252594	9.579 ng/ml
Fluoxetine	5.722	334757	22231.2	8.3	63162.7	143718	101.307 ng/ml
Hydrocodone	3.089	331274	1702.7	41.9	914.7	206917	104.548 ng/ml
Hydromorphone	1.672	286791	10520.3	72.1	14988.6	126564	90.797 ng/ml
Ketamine	4.126	666650	17499.7	35.1	1642.2	332097	102.638 ng/ml
Lamotrigine	4.349	66928	2038.0	87.4	1917.5	332097	101.706 ng/ml
Lorazepam	5.752	207973	8832.6	62.3	849.4	131640	94.344 ng/ml
Meprobamate	4.934	355459	5645.5	29.8	4986.3	165254	100.269 ng/ml
Methadone	5.675	795315	20084.7	56.3	12204.6	420059	98.072 ng/ml
Methamphetamine	3.274	831966	∞	41.2	∞	286420	97.687 ng/ml
Metoprolol	4.364	147212	87185.8	98.4	9265.8	895872	100.297 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.743	944056	19885.8	49.9	9993.8	420059	89.464 ng/ml
Mitragynine	5.316	106705	185756.9	35.3	84609.2	420059	106.194 ng/ml
Morphine	1.291	45992	4887.4	27.8	2667.5	3773	106.267 ng/ml
Norbuprenorphine	5.027	1168	1674.7	94.0	3025.8	6616	9.372 ng/ml
Nordiazepam	5.894	263274	41120.4	57.9	5390.6	89590	100.116 ng/ml
Norfentanyl	4.121	13909	783.5	288.3	1172.3	485347	10.547 ng/ml
Norhydrocodone	3.115	9633	284.3	42.5	276.5	45988	95.758 ng/ml
Noroxycodone	2.967	299512	3619.9	46.3	14274.1	107811	101.310 ng/ml
O-desmethyl-tramadol	3.416	1583527	4537.4	6.6	3593.8	865283	98.275 ng/ml
Oxazepam	5.759	368997	8481.8	68.7	4678.8	216561	103.606 ng/ml
Oxycodone	2.900	613956	8699.3	32.6	3523.4	311104	105.363 ng/ml
Oxymorphone	1.454	331811	7258.9	49.6	11008.5	134902	101.320 ng/ml
Phentermine	3.821	281011	788.3	5.9	338.5	329089	102.446 ng/ml
Promethazine	5.578	659748	16447.2	32.5	7379.9	309037	99.282 ng/ml
Quetiapine	5.632	425552	19945.5	61.5	801400.0	62844	104.715 ng/ml
Sertraline	5.790	176530	21290.1	96.8	159342.9	80458	95.604 ng/ml
Temazepam	5.821	775575	22713.1	28.5	2452.1	373224	99.904 ng/ml
Tramadol	4.282	1733668	15535.8	3.5	842.8	931343	103.291 ng/ml
Trazodone	5.383	734447	13496.0	79.9	864365.5	313755	96.551 ng/ml
Venlafaxine	5.080	1345732	262672.9	37.5	7575.5	733285	96.694 ng/ml
Zolpidem	5.132	1545577	11079.3	28.6	7455.7	720881	98.554 ng/ml

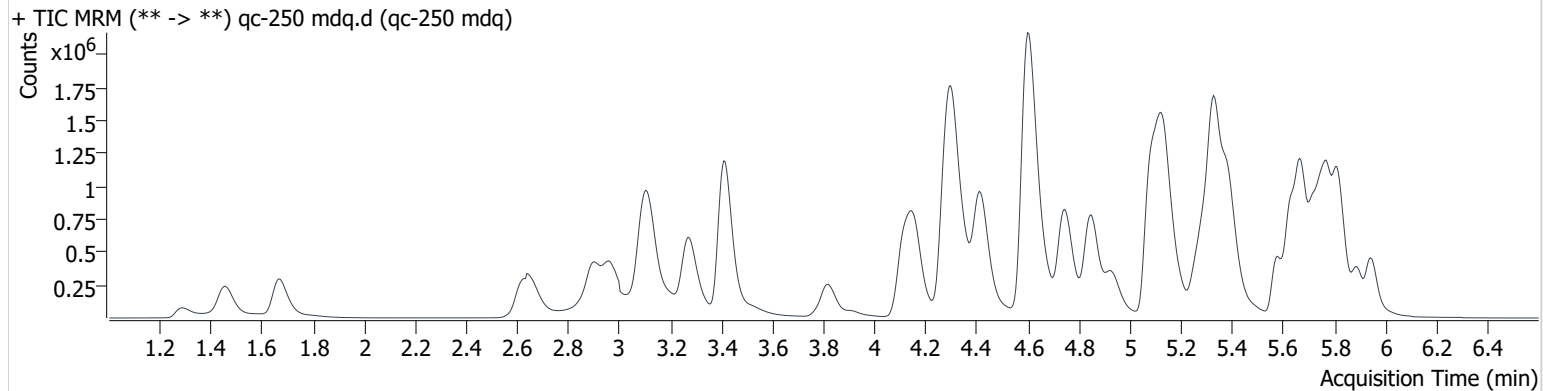
BW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument 69679 **Data File** qc-250 mdq.d
Type QC **Sample** qc-250 mdq
Acq. Method mdq p1 cda 5520.m **Operator** Britany Wylie
Sample Position P2-C2 **Comment**
Injection Volume 2
Acq. Date-Time 5/21/2020 9:58:20 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.184	41286	5280.5	73.0	1418.3	48354	24.882 ng/ml
7-aminoclonazepam	4.307	632401	4337.4	78.0	10496.1	117564	249.070 ng/ml
a-hydroxyalprazolam	5.700	109555	3638.3	61.0	4665.7	23103	249.897 ng/ml
alpha-PVP	4.417	2001653	58159.8	53.4	18083.0	355125	241.892 ng/ml
Alprazolam	5.779	926789	543.7	96.9	6997.8	113888	253.039 ng/ml
Amphetamine	3.112	2527632	6051.5	50.8	7657.5	199843	260.716 ng/ml
Benzoylcegonine	3.909	53917	11723.1	8.0	608.5	7487	252.421 ng/ml
Buprenorphine	5.997	16495	1785.7	15.4	694.0	25950	24.447 ng/ml
Bupropion	4.852	1781173	210094.2	62.7	106430.0	284198	254.608 ng/ml
Carisoprodol	5.729	762252	27524.0	65.2	9286.7	162246	251.062 ng/ml
Citalopram	5.265	947148	11616.6	40.1	7323.9	170621	250.798 ng/ml
Clonazepam	5.623	597568	21996.1	36.0	2404.6	48950	244.753 ng/ml
Cocaine	4.311	1558425	186862.0	46.3	31327.0	511789	243.963 ng/ml
Codeine	2.663	231292	2140.6	99.7	6767.0	43340	266.566 ng/ml
Cyclobenzaprine	5.646	499291	51058.8	9.5	807.8	83729	256.519 ng/ml
Dextromethorphan	5.309	549272	10055.6	75.4	1452.7	106068	249.919 ng/ml
Dextrorphan	4.161	546274	30751.5	212.3	42159.3	243883	260.275 ng/ml
Diazepam	5.950	610066	39746.3	87.9	8421.7	116278	254.354 ng/ml
Dihydrocodeine	2.621	561969	4290.8	70.4	16614.9	139139	252.141 ng/ml
Diphenhydramine	5.340	2966506	5483.7	34.2	11714.7	659200	249.550 ng/ml
Doxylamine	4.605	4963922	335688.8	94.7	91857.3	850898	248.941 ng/ml
EDDP	5.298	363778	8844.9	241.4	106389.9	172040	251.529 ng/ml
Fentanyl	5.182	85888	2375.6	62.5	6165.2	182417	24.523 ng/ml
Fluoxetine	5.722	420019	3635.2	8.6	35077.8	72156	254.312 ng/ml
Hydrocodone	3.084	736883	3286.4	42.0	865.5	188988	256.527 ng/ml
Hydromorphone	1.667	709101	17752.9	78.3	1790.0	116110	244.284 ng/ml
Ketamine	4.121	1526604	39394.7	35.0	6374.8	305069	256.850 ng/ml
Lamotrigine	4.349	137684	3086.7	89.2	4465.5	305069	228.965 ng/ml
Lorazepam	5.747	358325	12536.7	62.4	1514.7	116278	186.181 ng/ml
Meprobamate	4.934	782478	14443.5	29.7	11451.0	145106	252.255 ng/ml
Methadone	5.675	1604146	8381.4	56.4	6700.0	339260	245.612 ng/ml
Methamphetamine	3.274	1276891	3016.9	38.5	∞	196339	252.787 ng/ml
Metoprolol	4.364	317135	1688.8	97.3	11949.9	850898	228.303 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	2150409	37650.9	49.6	14215.4	339260	251.452 ng/ml
Mitragynine	5.316	184134	7459.0	37.3	1715.7	339260	227.321 ng/ml
Morphine	1.286	101961	659.0	29.0	3294.6	3492	255.343 ng/ml
Norbuprenorphine	5.032	2330	1895.5	95.3	2119.2	5084	24.817 ng/ml
Nordiazepam	5.894	577982	724125.9	57.4	130096.0	77402	254.676 ng/ml
Norfentanyl	4.121	28994	1494.2	309.5	3942.3	446593	23.973 ng/ml
Norhydrocodone	3.115	22366	1159.6	44.0	476.8	38503	264.778 ng/ml
Noroxycodone	2.967	648066	6438.1	47.0	15911.9	93114	254.601 ng/ml
O-desmethyl-tramadol	3.416	3801298	5311.0	6.5	66799.6	803779	253.718 ng/ml
Oxazepam	5.754	686278	1774.7	68.4	5300.1	163513	256.821 ng/ml
Oxycodone	2.900	1443572	5051.1	32.9	3299.4	294344	261.638 ng/ml
Oxymorphone	1.454	767787	4556.9	49.3	6774.6	125283	253.965 ng/ml
Phentermine	3.821	570809	950.3	5.7	1195.7	266746	256.453 ng/ml
Promethazine	5.578	1018394	7175.4	32.9	10795.3	186942	253.456 ng/ml
Quetiapine	5.632	968853	23604.4	61.6	1288767.7	58050	258.757 ng/ml
Sertraline	5.795	212270	23391.9	94.4	7809.9	37920	243.468 ng/ml
Temazepam	5.821	1709002	65913.1	28.9	6270.8	321453	255.594 ng/ml
Tramadol	4.282	3920786	404981.5	3.5	3129.7	849801	257.214 ng/ml
Trazodone	5.383	1706481	54679.0	79.6	59900.2	275190	255.476 ng/ml
Venlafaxine	5.080	3150419	6049.0	36.7	31105.8	666371	248.964 ng/ml
Zolpidem	5.132	3618397	16463.6	28.4	14944.5	659489	252.307 ng/ml

* OCR- Outside Curve Range

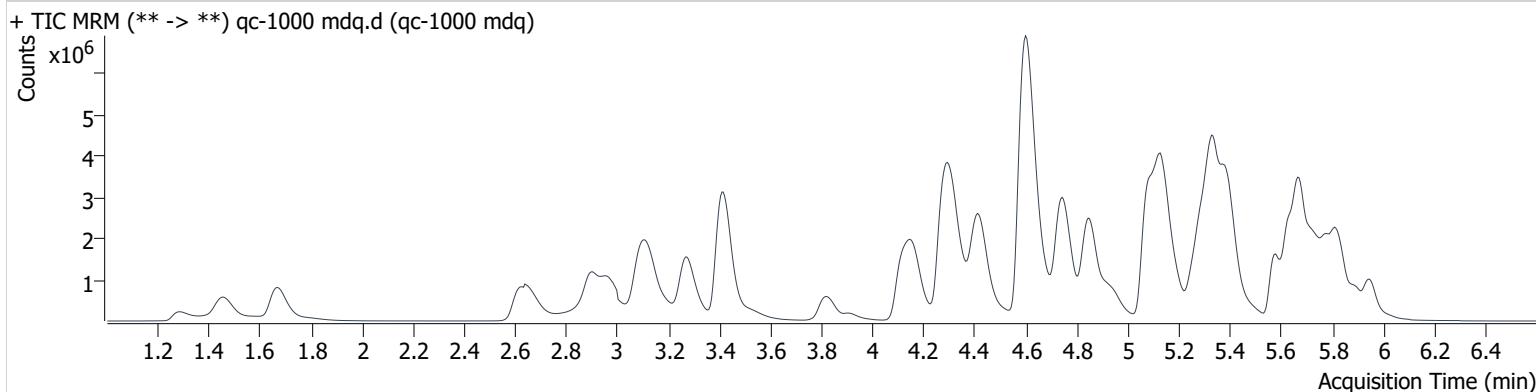
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 10:09:08 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	155586	5817.1	73.1	14134.2	43566	104.209 ng/ml
7-aminoclonazepam	4.307	1114032	53639.4	77.0	5119.8	56276	918.547 ng/ml
a-hydroxyalprazolam	5.700	207701	5886.1	64.5	4330.0	11548	951.142 ng/ml
alpha-PVP	4.417	6469254	43425.7	52.9	30321.3	280919	987.545 ng/ml
Alprazolam	5.779	2298537	12755.0	98.8	506.8	70772	1010.872 ng/ml
Amphetamine	3.117	5836586	11049.2	50.7	30824.1	142976	848.818 ng/ml
Benzoylcegonine	3.909	252159	180179.6	8.1	2228.0	8303	1056.370 ng/ml
Buprenorphine	6.003	62751	16748.4	15.9	15085.5	20959	113.011 ng/ml
Bupropion	4.852	6293255	13218.2	61.8	320584.3	256288	998.686 ng/ml
Carisoprodol	5.729	1553495	28975.7	65.3	3267.9	82043	1013.451 ng/ml
Citalopram	5.259	2866884	99640.4	40.0	61582.4	130477	994.417 ng/ml
Clonazepam	5.613	1021008	470351.4	35.5	5152.1	24043	853.067 ng/ml
Cocaine	4.311	4375417	367927.6	46.1	145300.0	357619	981.076 ng/ml
Codeine	2.663	652994	7595.4	104.3	12815.7	29068	1122.269 ng/ml
Cyclobenzaprine	5.641	1360832	98011.0	9.5	4976.4	56917	1030.779 ng/ml
Dextromethorphan	5.309	1536888	165298.3	76.3	440054.7	75643	980.857 ng/ml
Dextrorphan	4.161	1631605	252617.0	215.6	394421.8	181978	1042.022 ng/ml
Diazepam	5.950	1701826	19560.1	87.9	6781.5	83008	995.305 ng/ml
Dihydrocodeine	2.616	1831740	23274.1	71.2	33978.1	126992	902.285 ng/ml
Diphenhydramine	5.340	8955433	562279.4	33.8	52956.1	487923	1017.180 ng/ml
Doxylamine	4.599	17792750	97923.6	93.8	857846.9	748156	1015.380 ng/ml
EDDP	5.298	1945315	95854.9	247.1	4722.8	227666	1017.204 ng/ml
Fentanyl	5.187	364450	10502.7	64.8	31323.3	176487	107.192 ng/ml
Fluoxetine	5.722	1175376	2099478.5	8.1	144458.9	49793	1033.612 ng/ml
Hydrocodone	3.079	2177883	526.4	45.4	984.9	155553	924.585 ng/ml
Hydromorphone	1.667	2356374	17964.7	78.5	2723.7	97142	969.520 ng/ml
Ketamine	4.121	4567283	55556.7	34.7	20255.9	250864	936.225 ng/ml
Lamotrigine	4.355	255857	7810.6	90.2	10186.3	250864	518.636 ng/ml
Lorazepam	5.747	416693	12093.7	61.7	2677.6	83008	304.715 ng/ml
Meprobamate	4.934	2059492	173099.0	29.5	63202.3	103458	932.785 ng/ml
Methadone	5.675	5859566	4142.3	55.7	47251.3	302640	1007.150 ng/ml
Methamphetamine	3.274	3330908	∞	41.1	∞	147043	948.785 ng/ml
Metoprolol	4.364	740875	90587.6	97.8	59973.7	748156	607.658 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.743	8348524	8463.6	48.5	76758.2	302640	1092.745 ng/ml
Mitragynine	5.316	467177	24853.2	37.7	282280.8	302640	647.227 ng/ml *
Morphine	1.286	354059	37088.0	24.2	2888.3	3184	973.925 ng/ml
Norbuprenorphine	5.032	8429	3867.8	96.2	3512.7	4857	94.851 ng/ml
Nordiazepam	5.899	1372265	9430.6	57.6	558740.1	46833	999.864 ng/ml
Norfentanyl	4.111	76411	6790.4	284.2	11352.6	342607	82.507 ng/ml
Norhydrocodone	3.115	105264	1864.3	42.7	1088.0	28588	1676.080 ng/ml *
Noroxycodone	2.967	1640362	6988.6	46.3	18433.5	59747	1005.900 ng/ml
O-desmethyl-tramadol	3.416	12844939	21368.7	6.3	20079.0	666301	1033.753 ng/ml
Oxazepam	5.754	877975	8826.5	68.4	3737.0	54361	991.421 ng/ml
Oxycodone	2.900	4997367	28769.2	32.5	5042.3	261305	1019.861 ng/ml
Oxymorphone	1.454	2360472	3134.3	49.6	29109.4	100198	979.143 ng/ml
Phentermine	3.821	1686529	1327.9	5.6	2205.2	214933	939.896 ng/ml
Promethazine	5.580	3978629	5452713.5	32.2	15170.5	181535	1019.907 ng/ml
Quetiapine	5.627	3222690	4560794.7	60.7	1730615.7	53905	928.062 ng/ml
Sertraline	5.795	534607	45822.9	95.0	835998.2	23884	972.675 ng/ml
Temazepam	5.826	4126774	253612.5	28.8	3265.9	183651	1080.298 ng/ml
Tramadol	4.277	11552750	892066.6	3.4	2993.7	588027	1097.927 ng/ml
Trazodone	5.389	6339564	11731.9	78.6	31423.3	209087	1248.448 ng/ml *
Venlafaxine	5.081	9761950	1327759.8	36.5	77628.2	502953	1021.844 ng/ml
Zolpidem	5.132	11584135	53928.5	28.0	6069.3	512829	1038.955 ng/ml

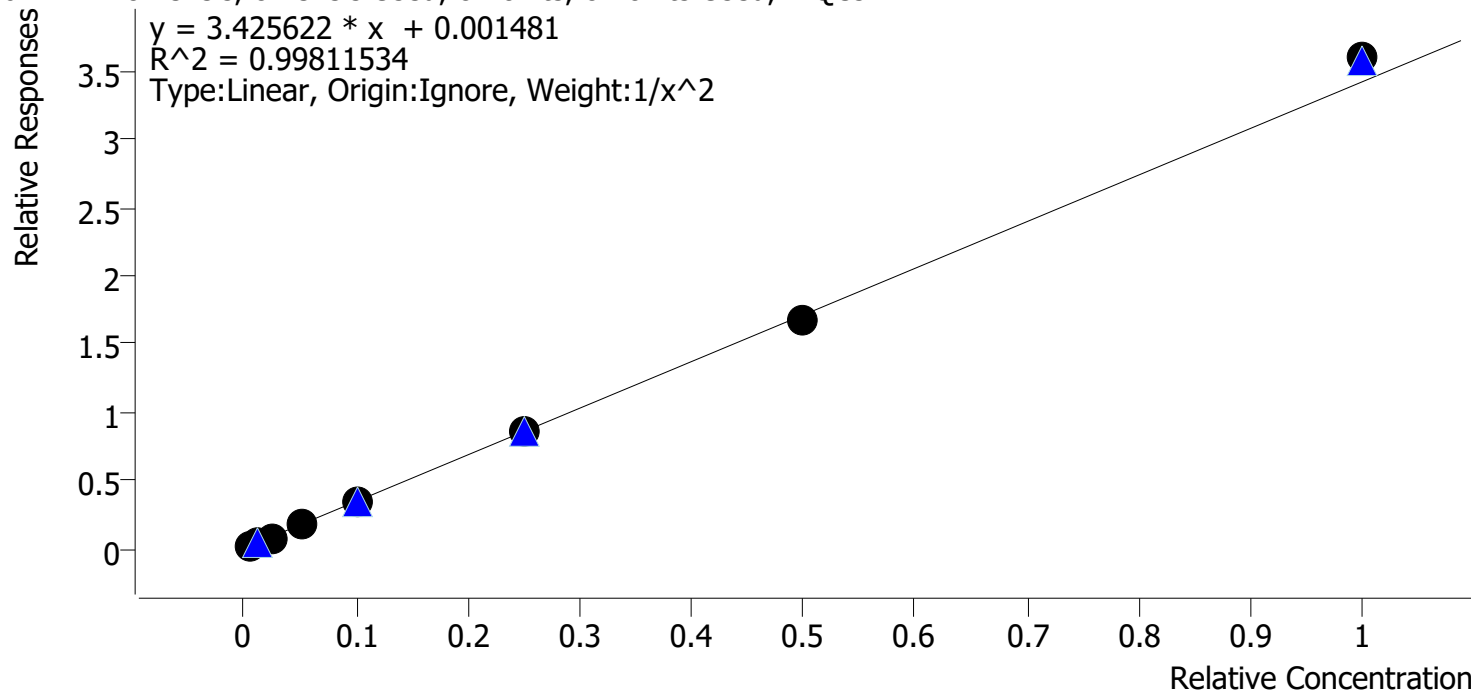
* Outside Curve Range

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

BW

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



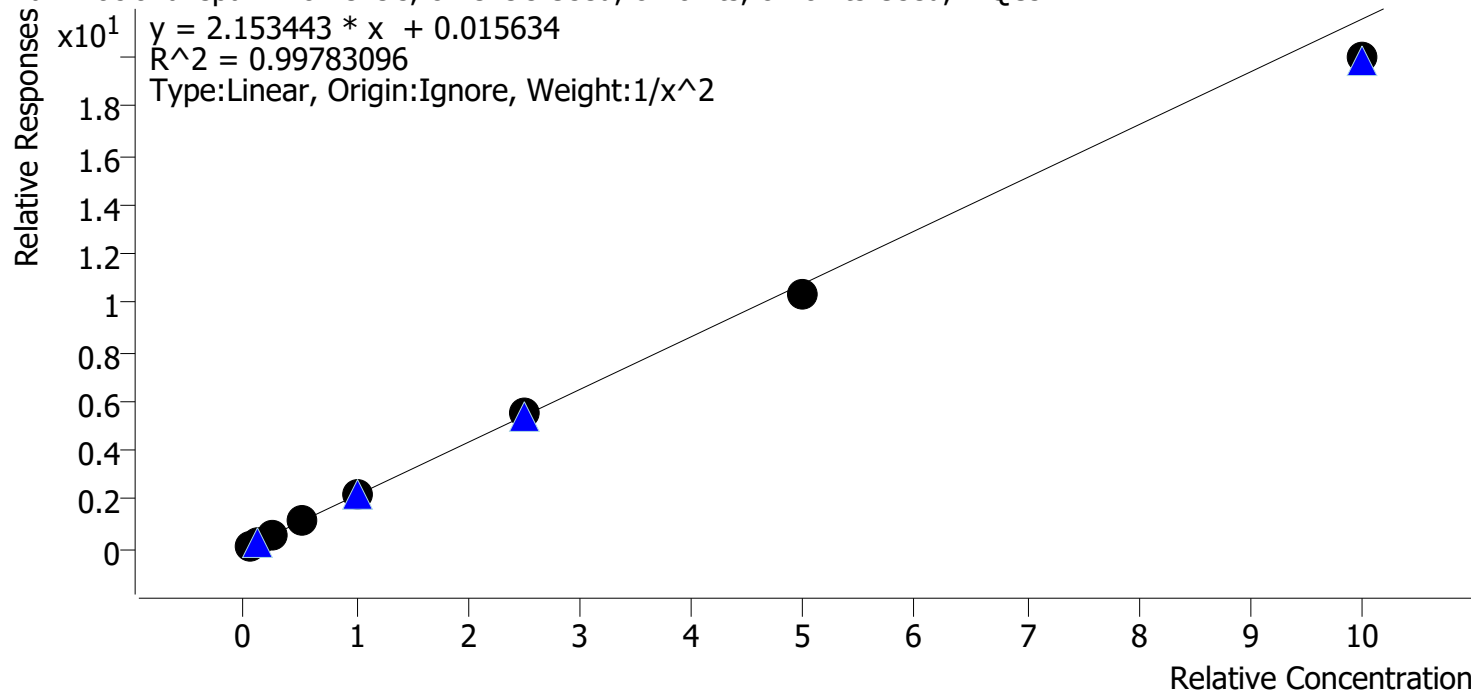
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cal 2 mdq	2	✓	1.0	1.0	99.9
cal 3 mdq	3	✓	2.5	2.3	92.6
cal 4 mdq	4	✓	5.0	5.2	103.7
cal 5 mdq	5	✓	10.0	9.9	99.3
cal 6 mdq	6	✓	25.0	24.9	99.6
cal 7 mdq	7	✓	50.0	49.3	98.5
cal 8 mdq	8	✓	100.0	105.2	105.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin		
Last Cal. Update	5/22/2020 8:05 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

BW

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



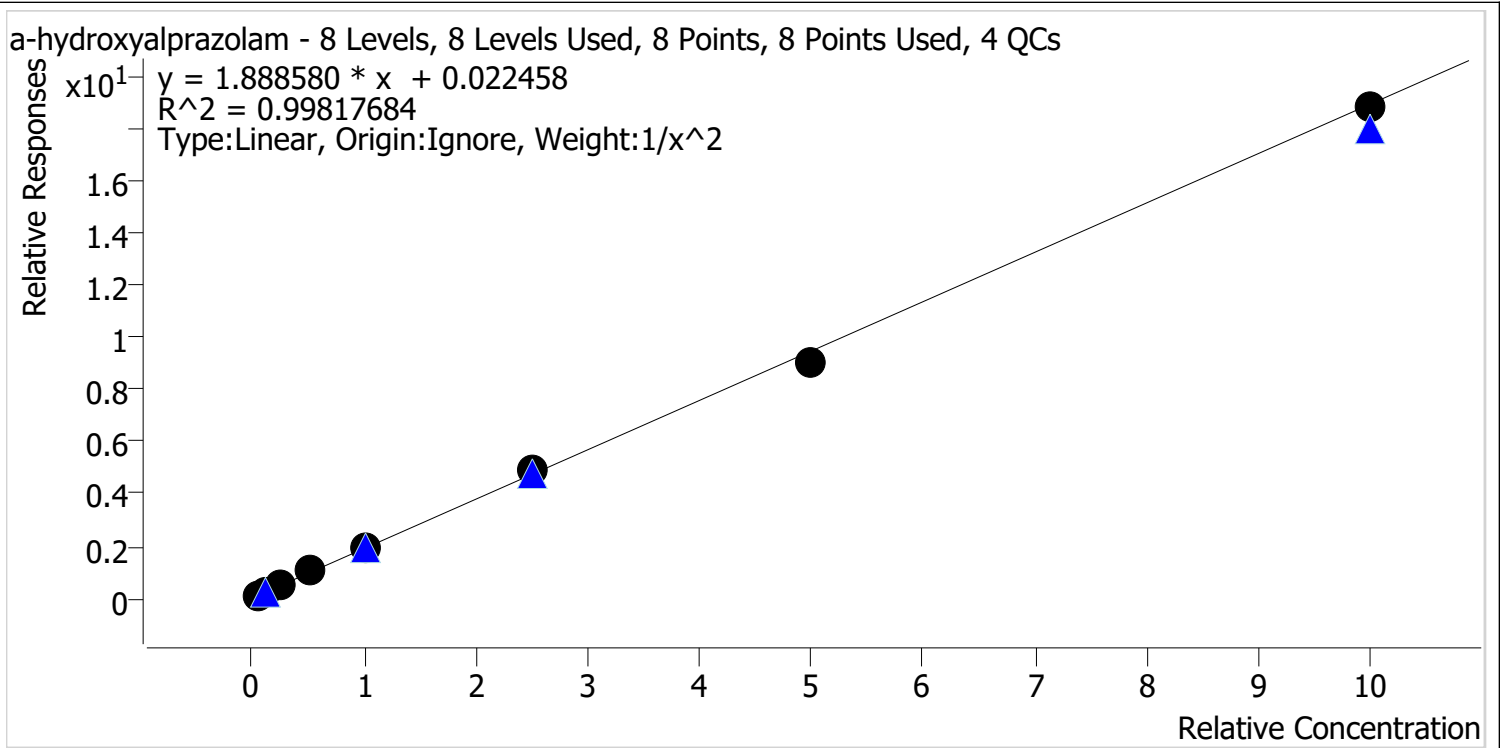
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cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	481.0	96.2
cal 8 mdq	8	✓	1000.0	927.1	92.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam

BW

Internal Standard a-hydroxyalprazolam-D5



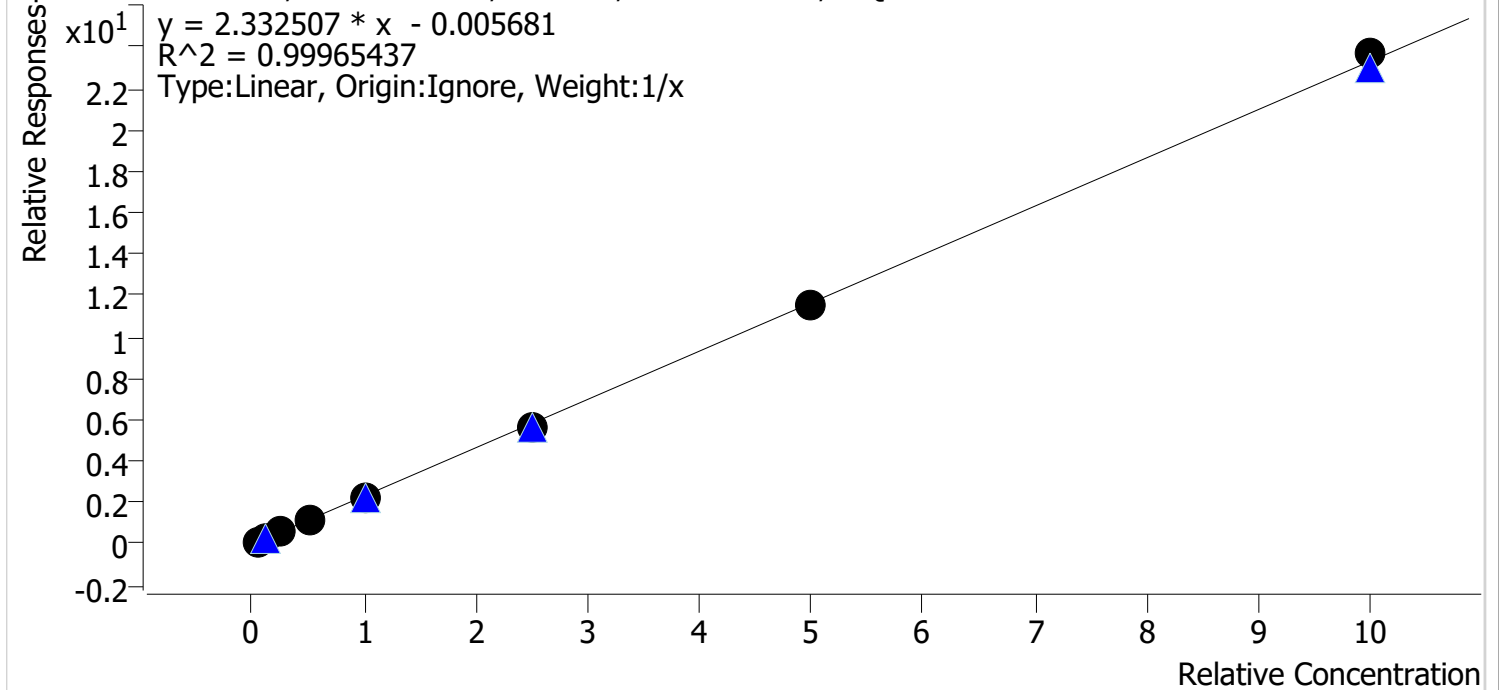
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
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cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	24.1	96.6
cal 4 mdq	4	✓	50.0	52.9	105.7
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	258.3	103.3
cal 7 mdq	7	✓	500.0	475.8	95.2
cal 8 mdq	8	✓	1000.0	993.7	99.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte alpha-PVP *BW*

Internal Standard alpha-PVP-d8

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



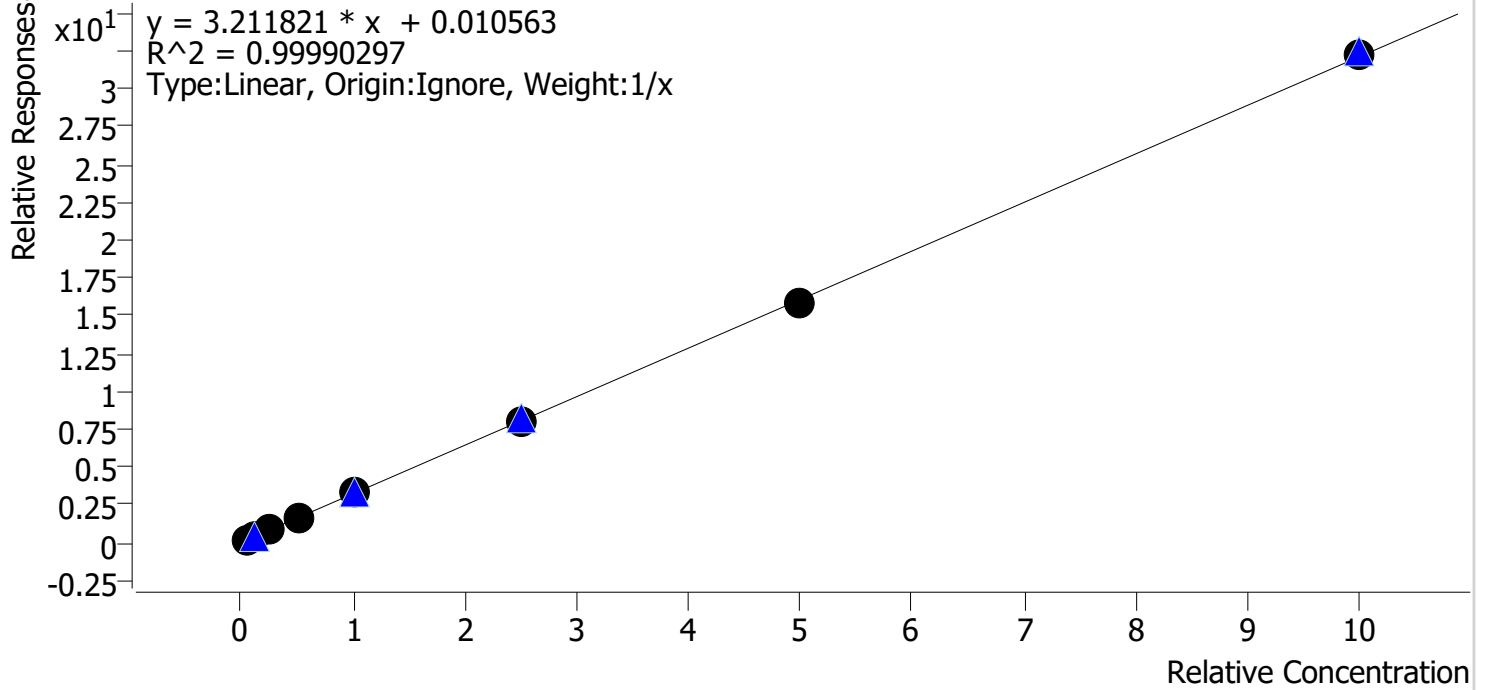
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	107.0
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	243.4	97.3
cal 7 mdq	7	✓	500.0	494.2	98.8
cal 8 mdq	8	✓	1000.0	1015.9	101.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Alprazolam Internal Standard Alprazolam-D5

BW

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



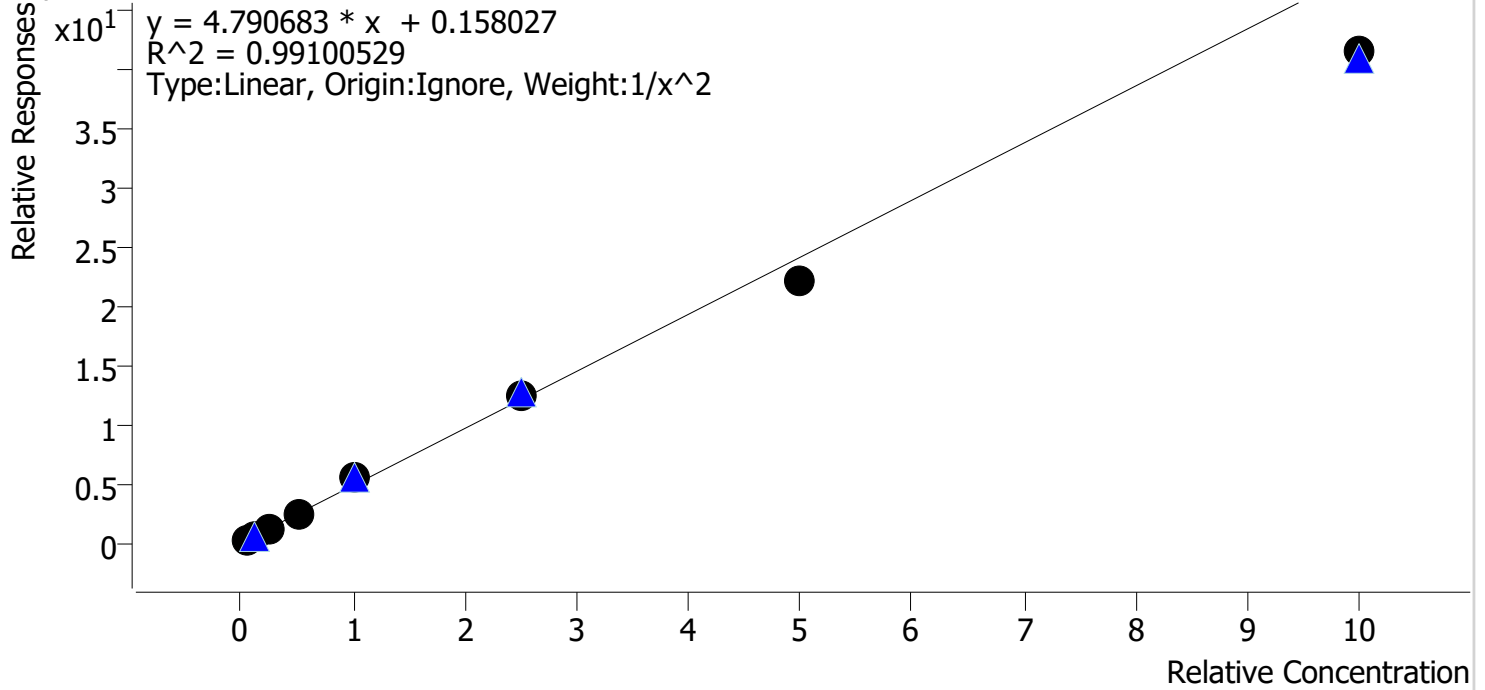
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.1
cal 2 mdq	2	✓	10.0	9.7	97.5
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	1005.7	100.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

BW

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



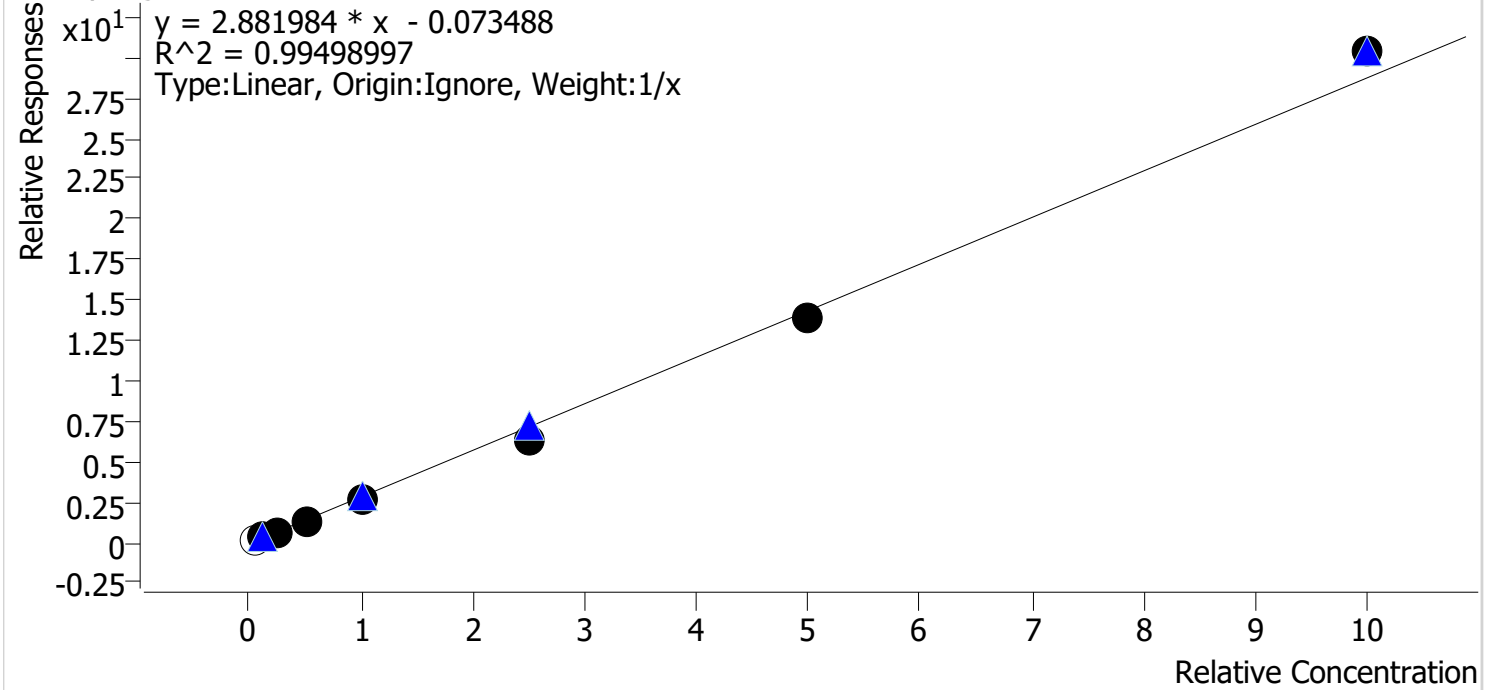
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	52.5	105.1
cal 5 mdq	5	✓	100.0	112.4	112.4
cal 6 mdq	6	✓	250.0	260.3	104.1
cal 7 mdq	7	✓	500.0	456.1	91.2
cal 8 mdq	8	✓	1000.0	860.3	86.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

BW

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



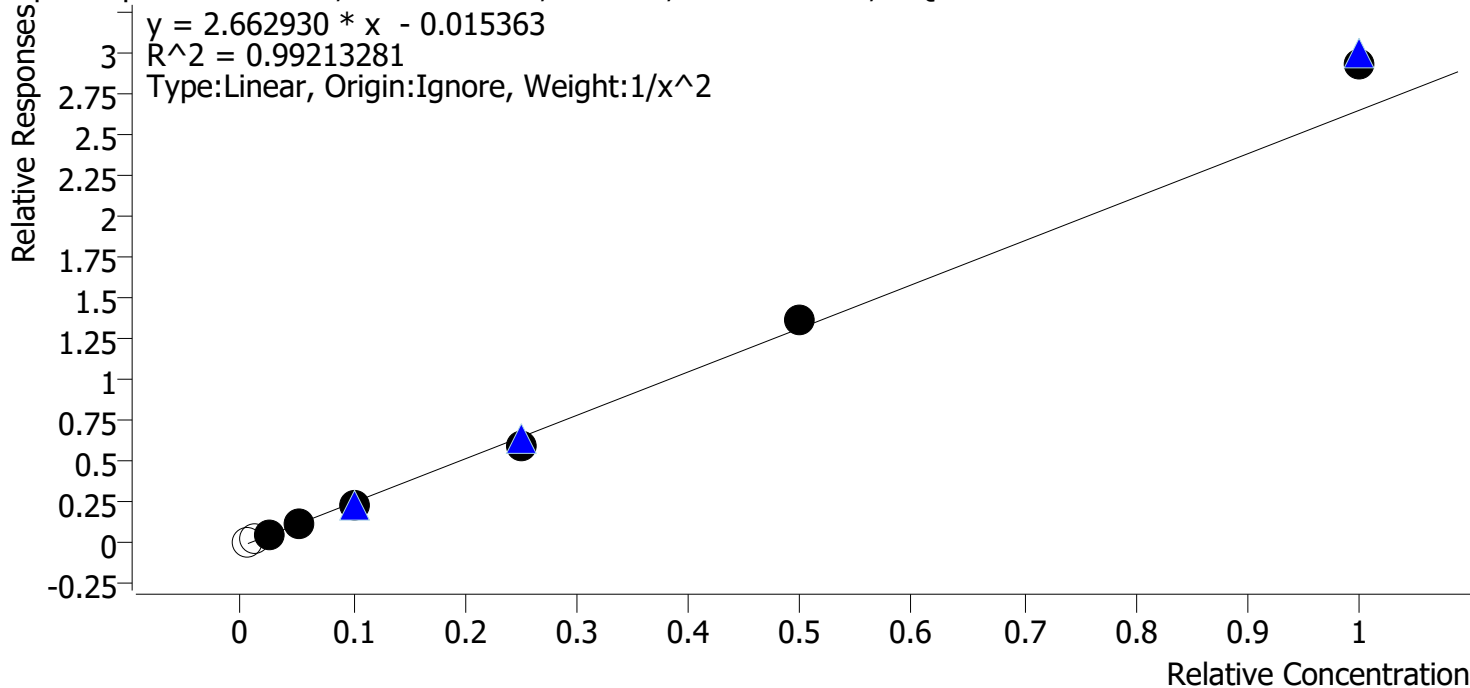
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	7.9	157.7
cal 2 mdq	2	✓	10.0	12.2	121.9
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	47.8	95.7
cal 5 mdq	5	✓	100.0	91.2	91.2
cal 6 mdq	6	✓	250.0	222.1	88.8
cal 7 mdq	7	✓	500.0	480.6	96.1
cal 8 mdq	8	✓	1000.0	1055.9	105.6

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 5-21-20\QuantResults\mdq.batch.bin		
Last Cal. Update	5/22/2020 8:05 AM		
Analyst Name	ISP\datastor		
Analyte	Buprenorphine	Internal Standard	Buprenorphine-D4

BW

Buprenorphine - 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	1.0	201.7
cal 2 mdq	2	x	1.0	1.5	145.2
cal 3 mdq	3	✓	2.5	2.6	103.6
cal 4 mdq	4	✓	5.0	4.9	97.1
cal 5 mdq	5	✓	10.0	9.3	92.8
cal 6 mdq	6	✓	25.0	23.1	92.5
cal 7 mdq	7	✓	50.0	51.8	103.5
cal 8 mdq	8	✓	100.0	110.6	110.6

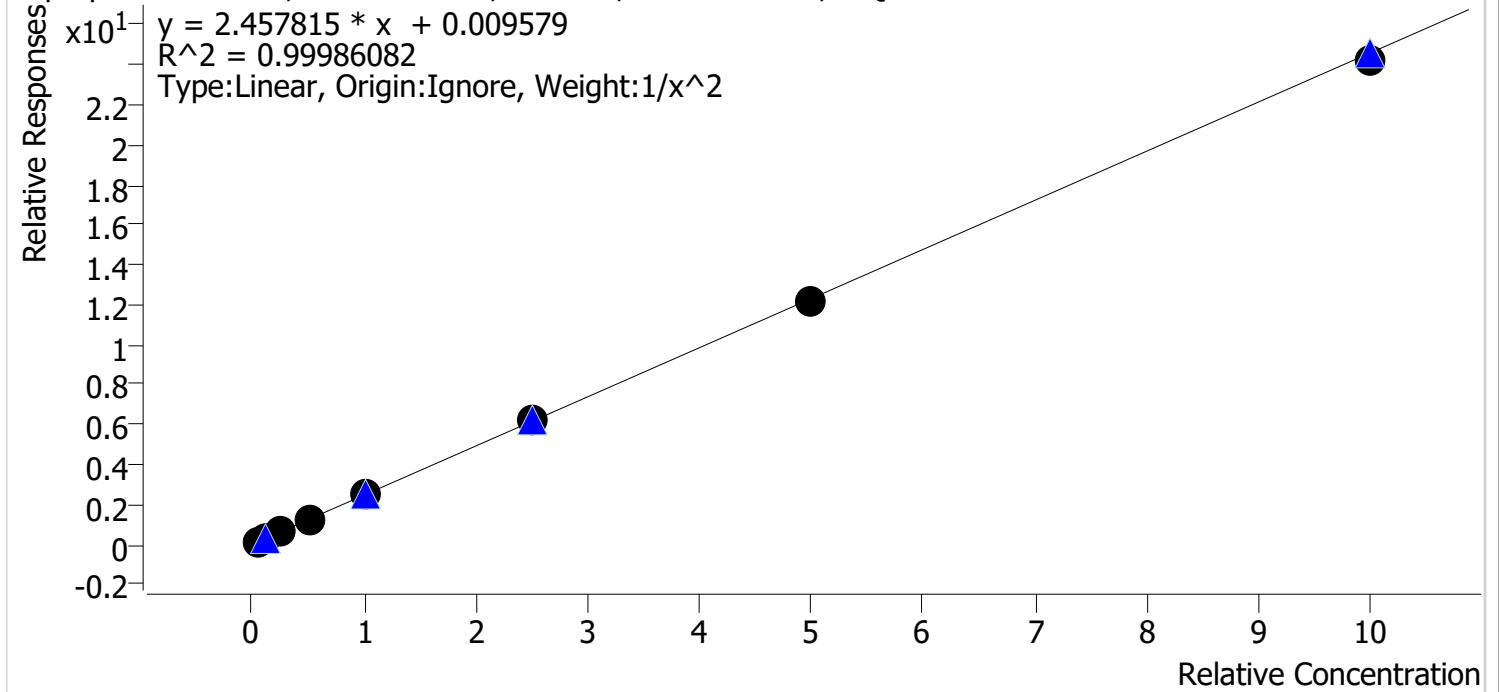
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Bupropion

BW

Internal Standard Bupropion-D9

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



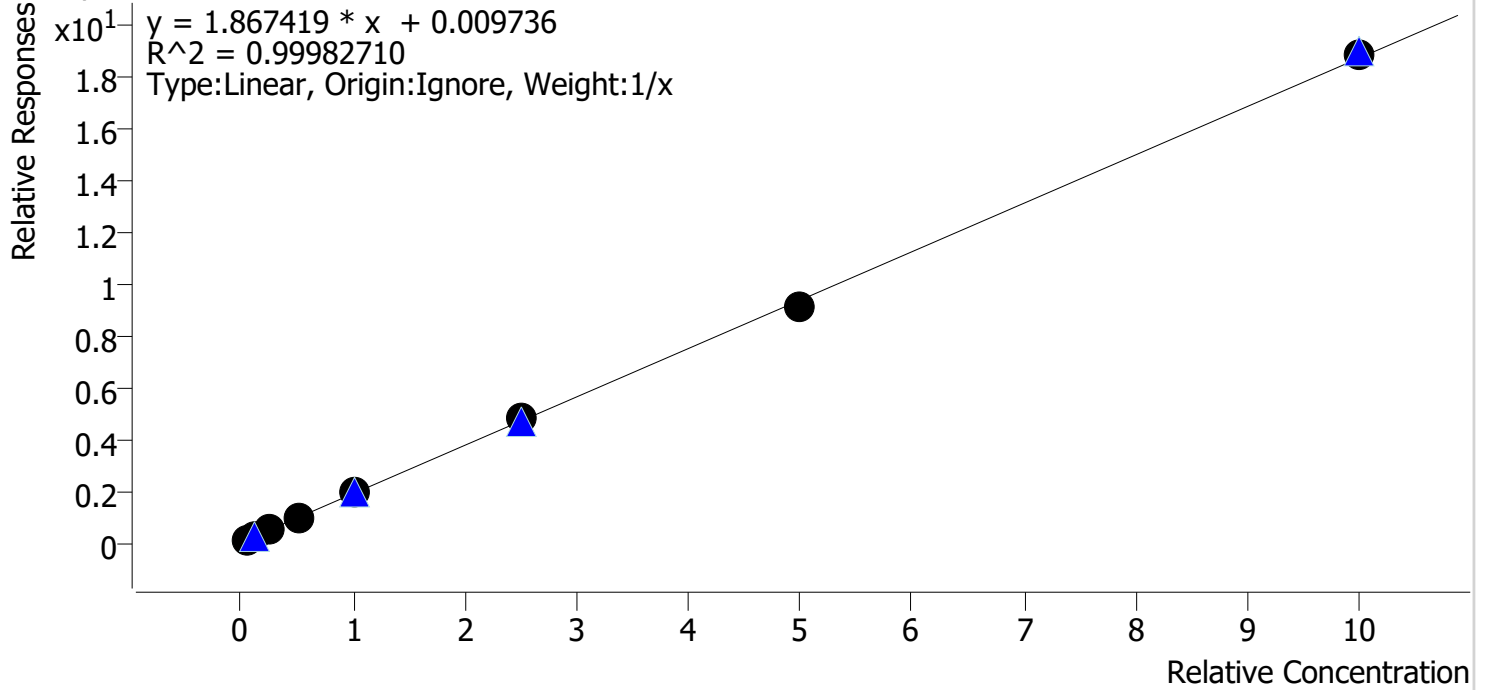
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	984.7	98.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

BW

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	4.8	96.4
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	489.9	98.0
cal 8 mdq	8	✓	1000.0	1006.4	100.6

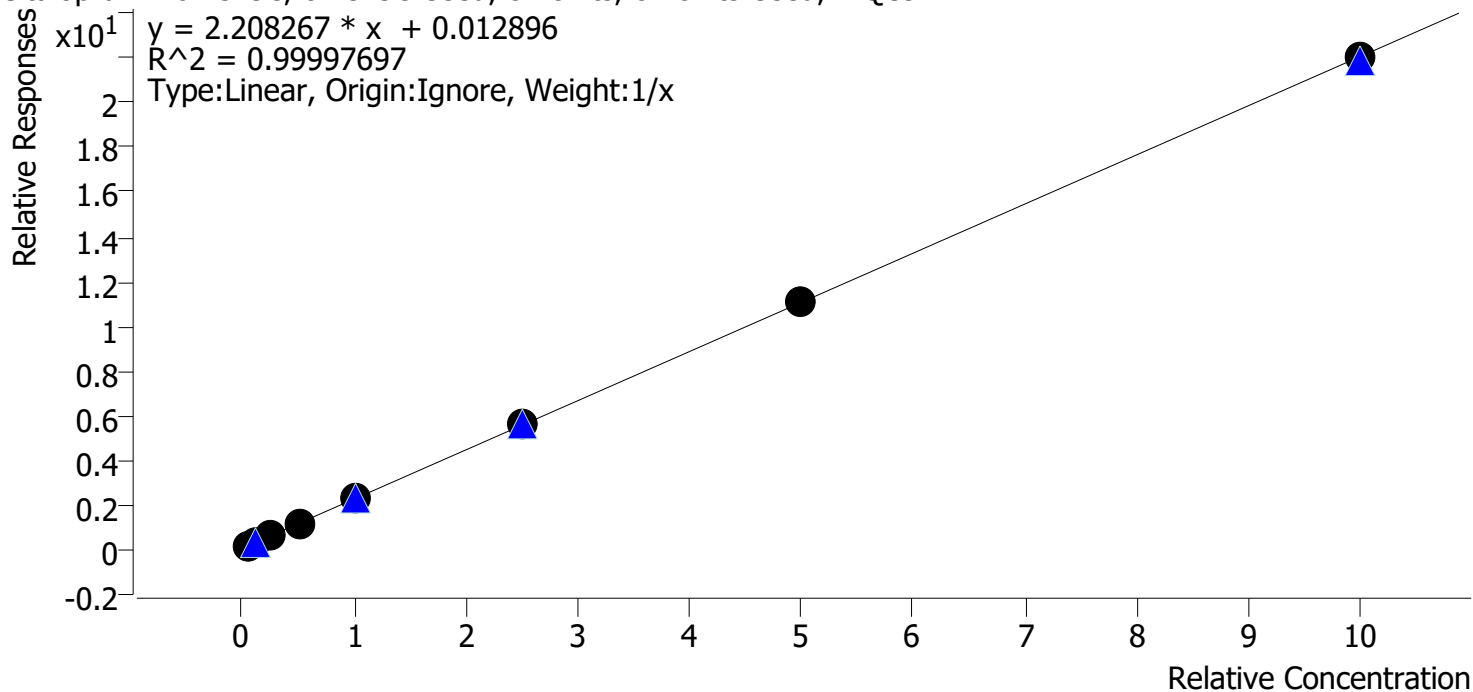
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Citalopram

BW

Internal Standard Citalopram-D6

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



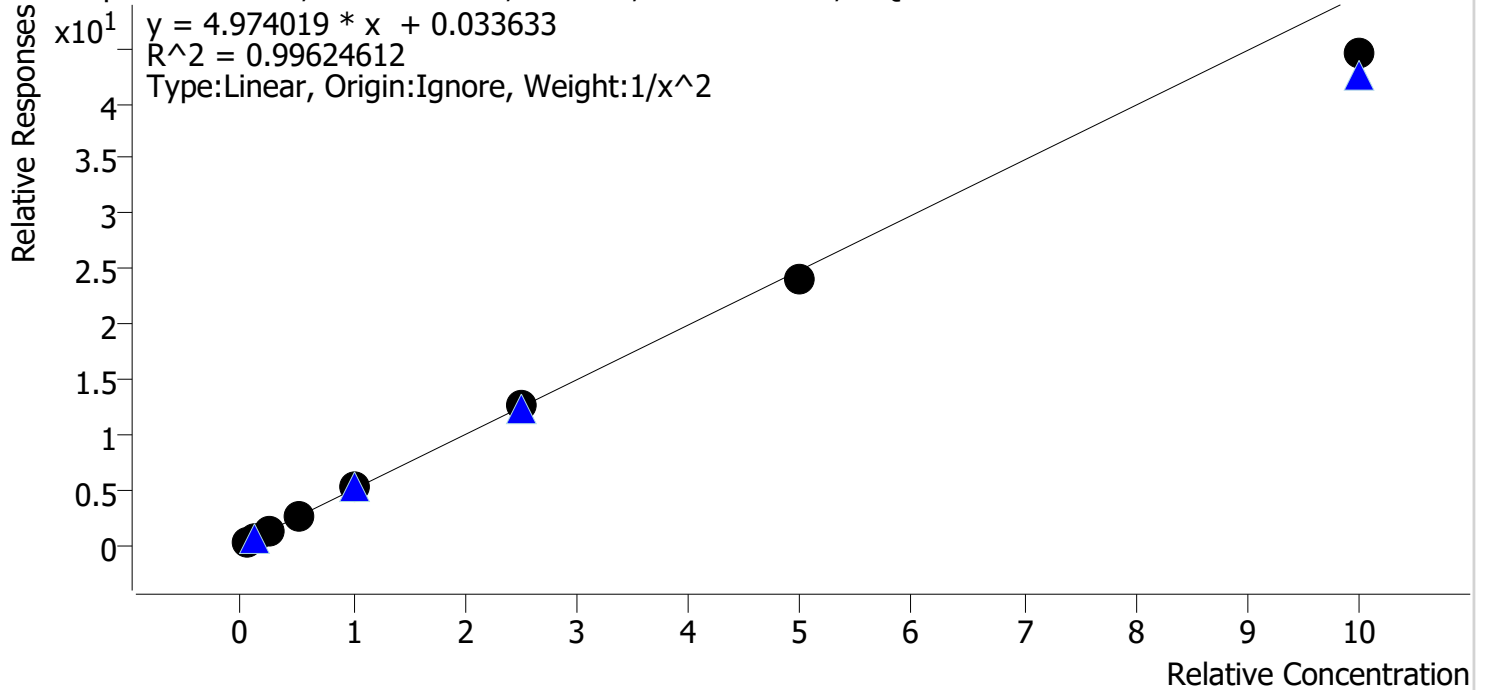
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	499.3	99.9
cal 8 mdq	8	✓	1000.0	997.9	99.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Clonazepam *BW*

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	98.1
cal 2 mdq	2	✓	10.0	10.1	101.5
cal 3 mdq	3	✓	25.0	25.4	101.8
cal 4 mdq	4	✓	50.0	53.4	106.9
cal 5 mdq	5	✓	100.0	104.2	104.2
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	483.7	96.7
cal 8 mdq	8	✓	1000.0	894.4	89.4

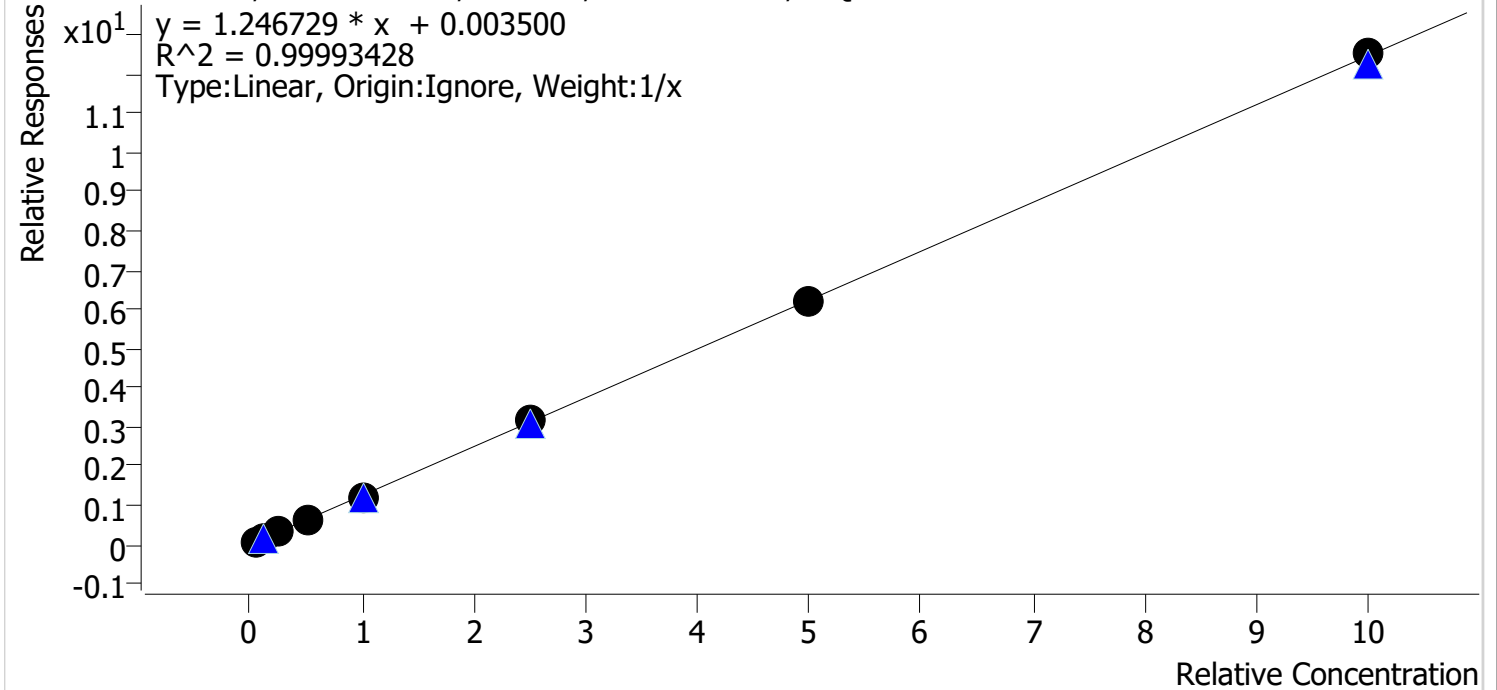
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Cocaine

BW

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	103.0
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	50.1	100.1
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	496.5	99.3
cal 8 mdq	8	✓	1000.0	1004.7	100.5

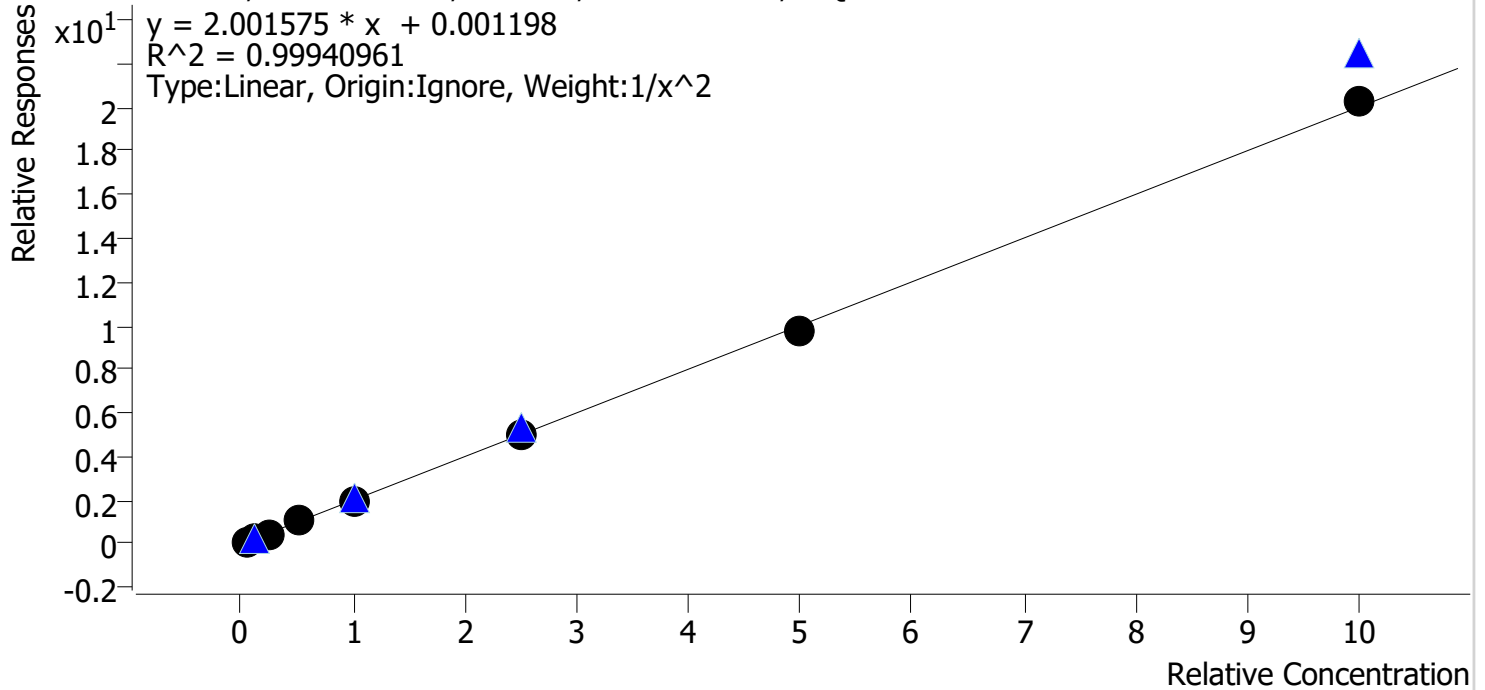
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Codeine

BW

Internal Standard Codeine-D6

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



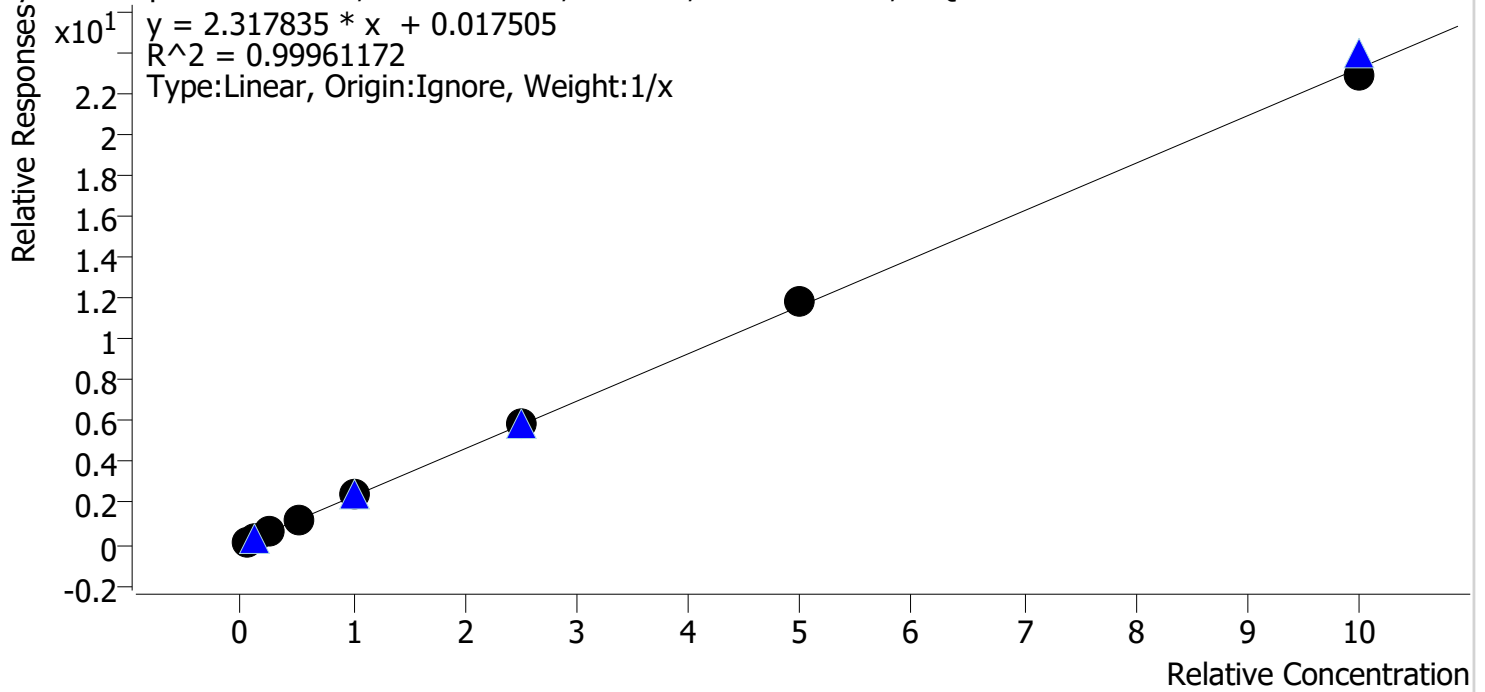
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	488.9	97.8
cal 8 mdq	8	✓	1000.0	1016.7	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine *BW*

Internal Standard Cyclobenzaprine-D3

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



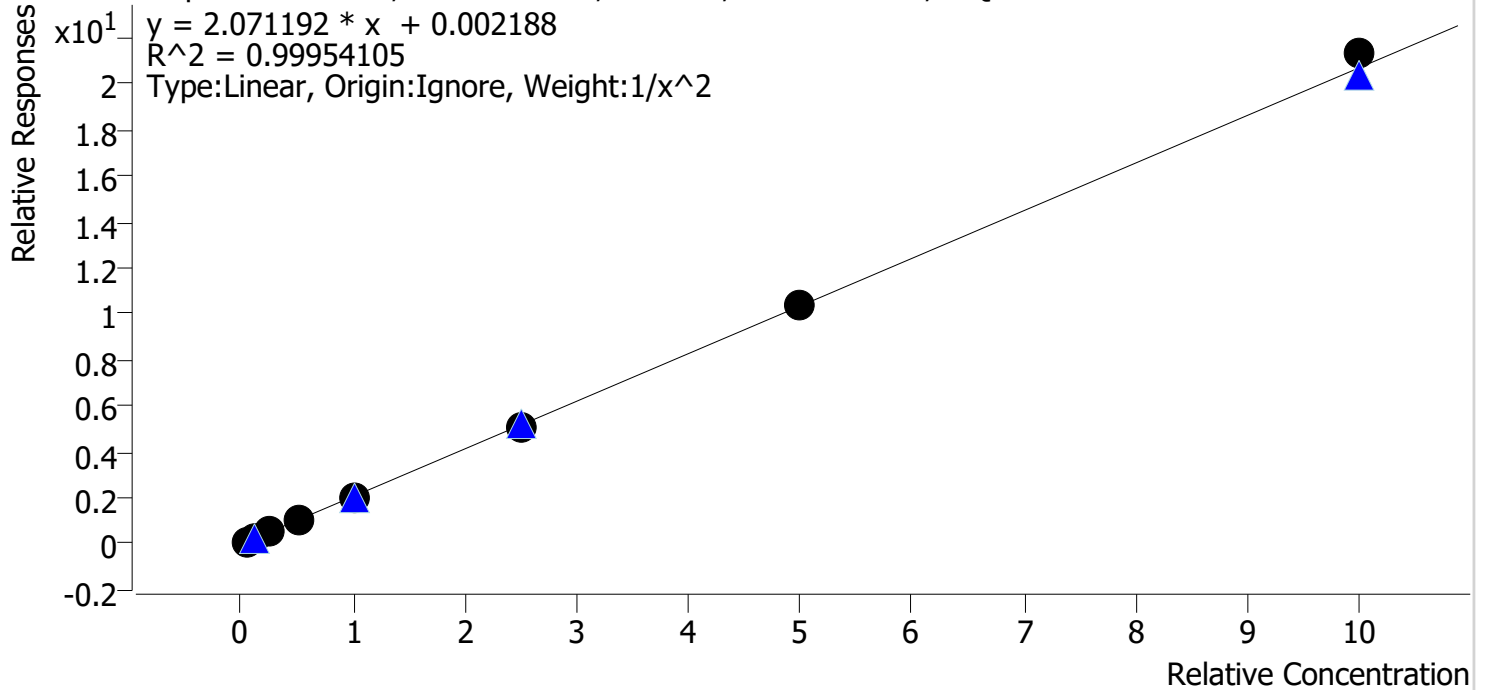
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.8
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	51.8	103.5
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	509.1	101.8
cal 8 mdq	8	✓	1000.0	982.8	98.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	1029.8	103.0

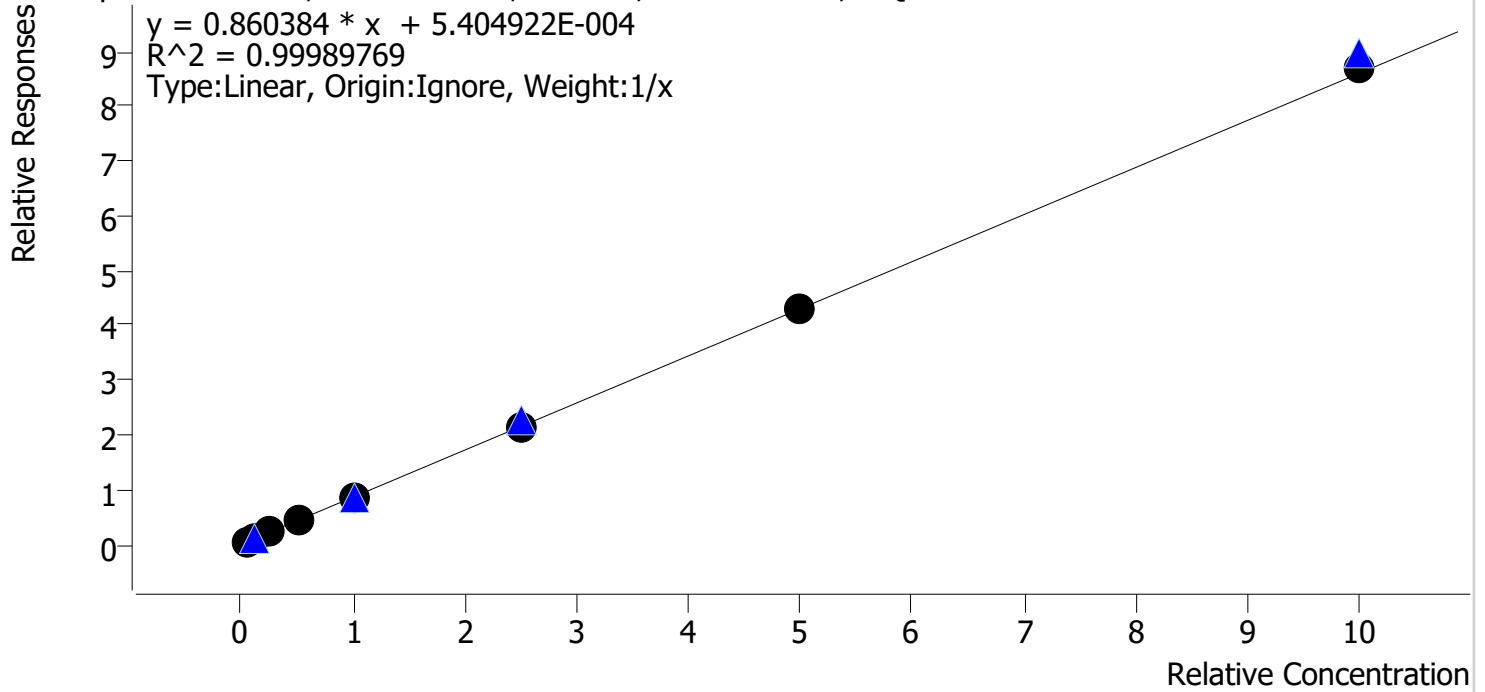
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Dextrorphan *BW*

Internal Standard

Dextrorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	246.2	98.5
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1008.5	100.8

Compound Calibration Report

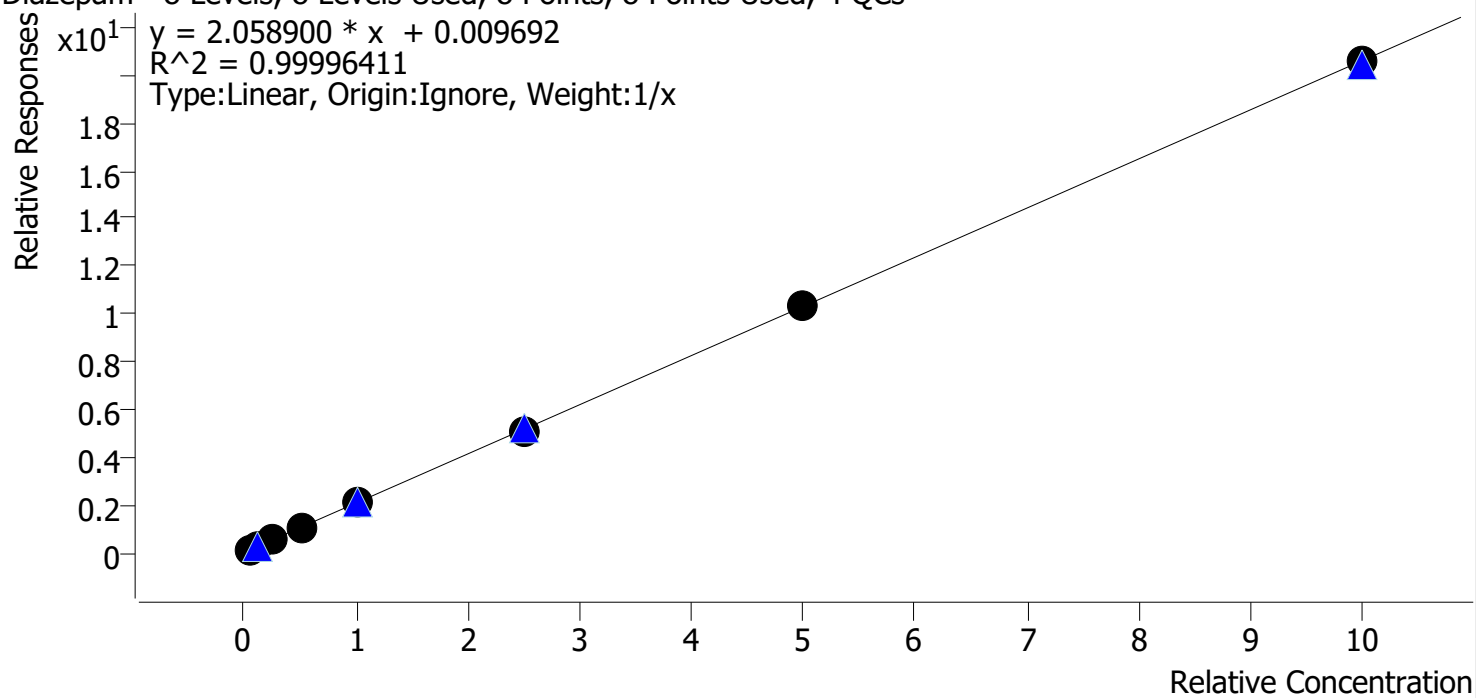
Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Diazepam

Internal Standard

Diazepam-D5

BW

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



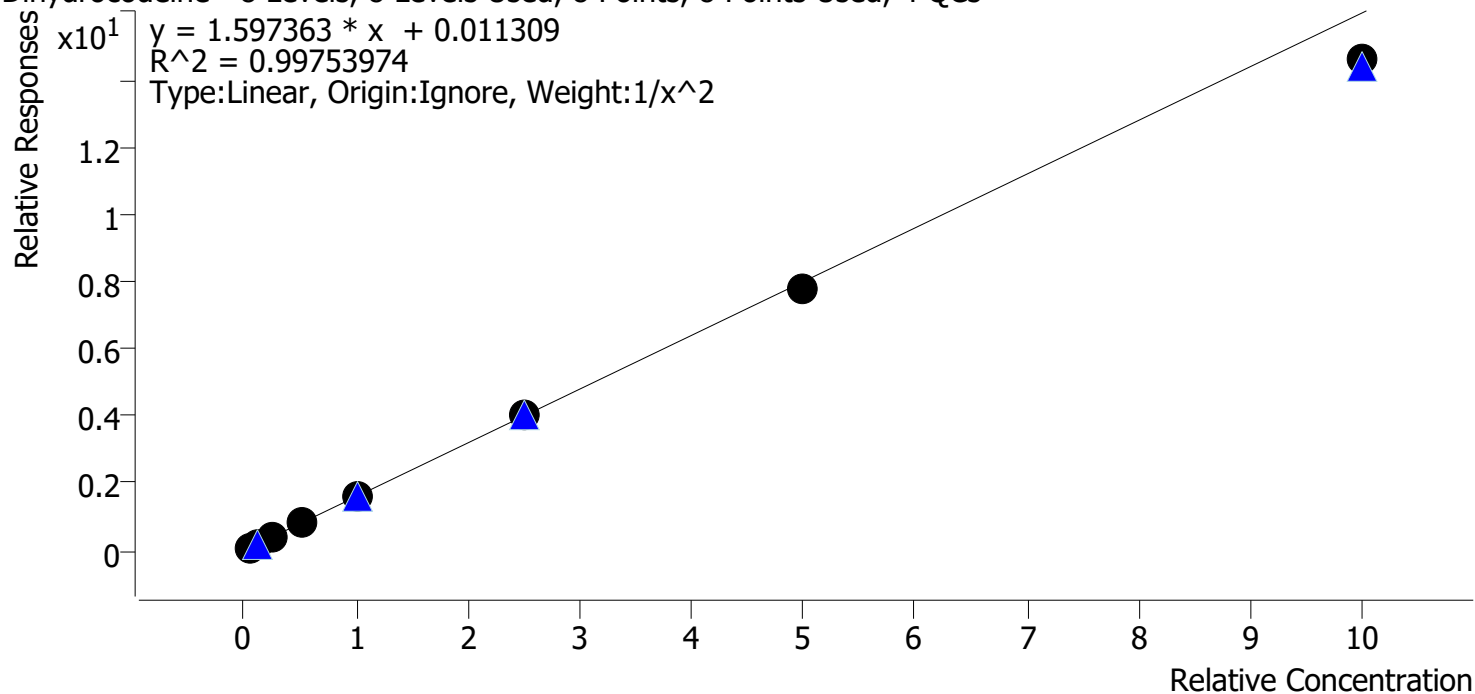
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	998.2	99.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

BW

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



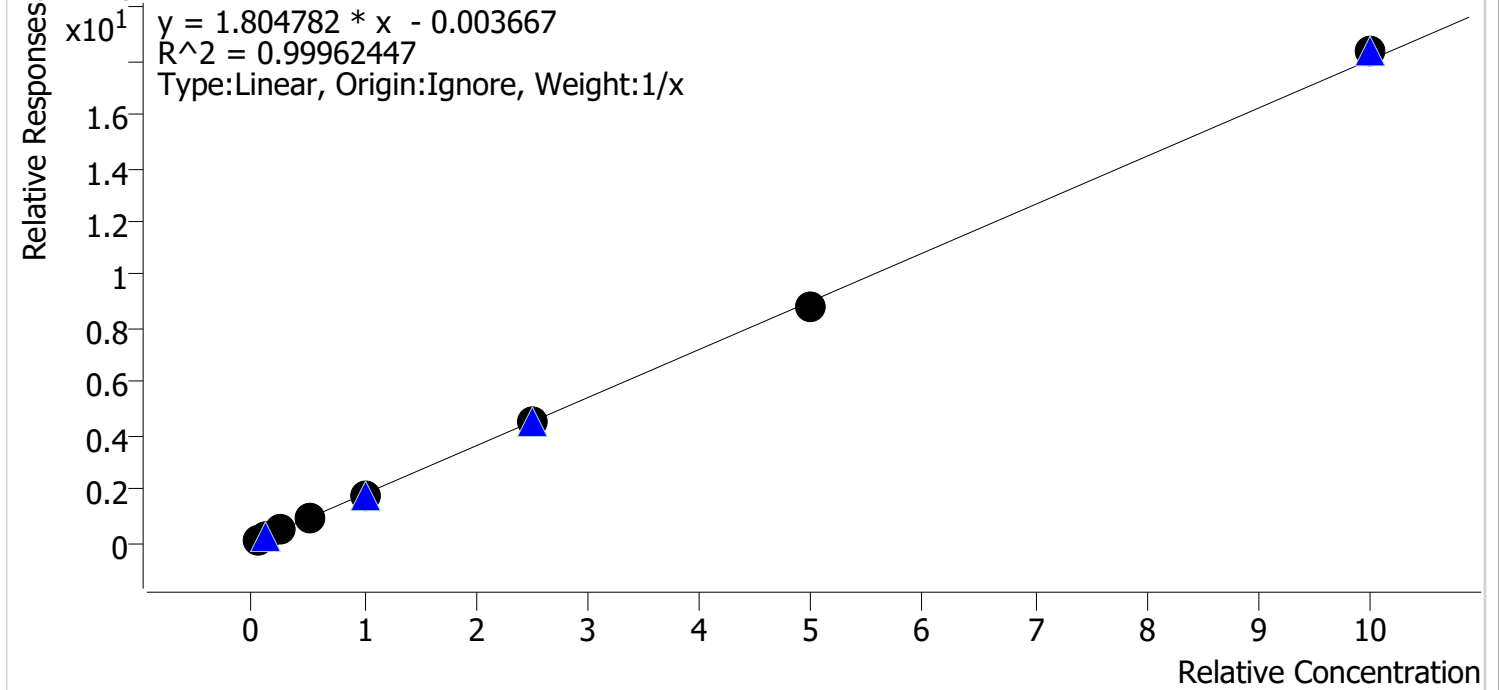
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	253.1	101.2
cal 7 mdq	7	✓	500.0	486.4	97.3
cal 8 mdq	8	✓	1000.0	913.1	91.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

BW

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



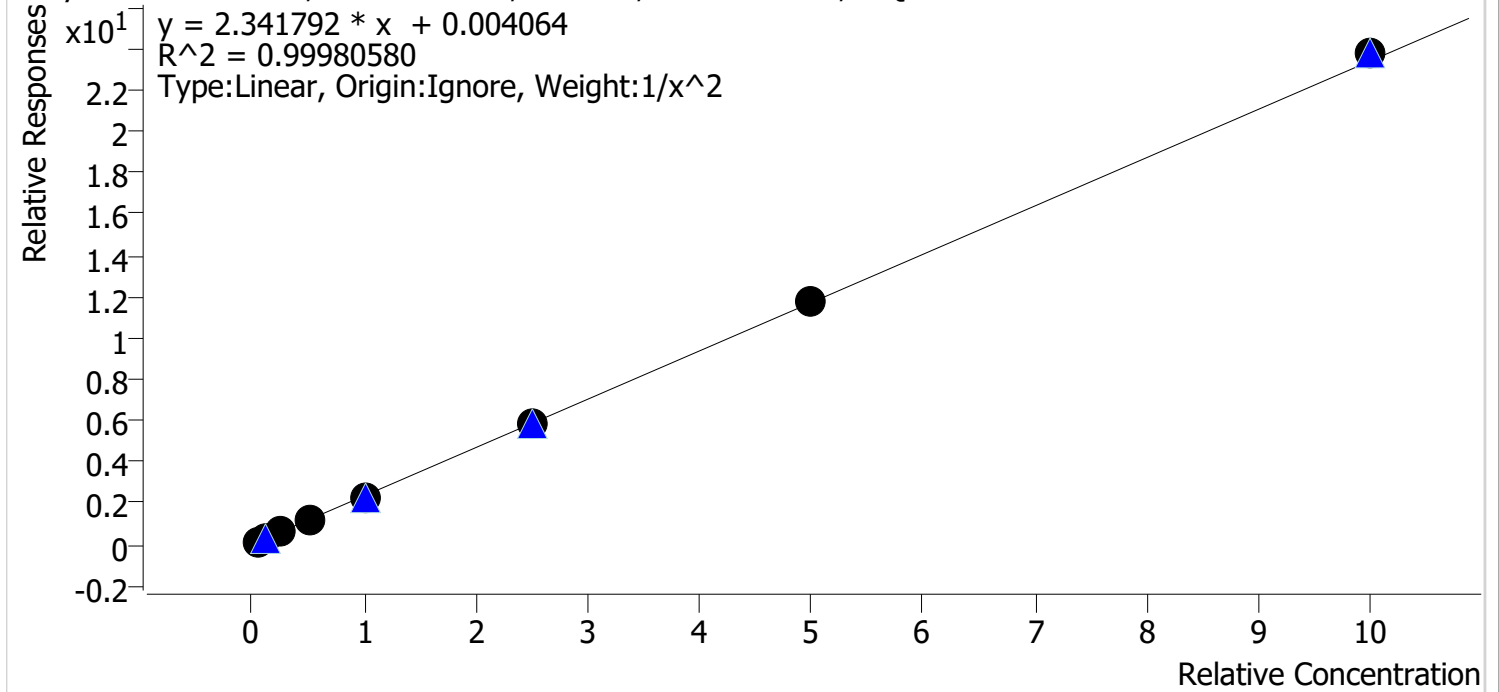
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.1
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	489.9	98.0
cal 8 mdq	8	✓	1000.0	1016.9	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	248.7	99.5
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	1013.5	101.3

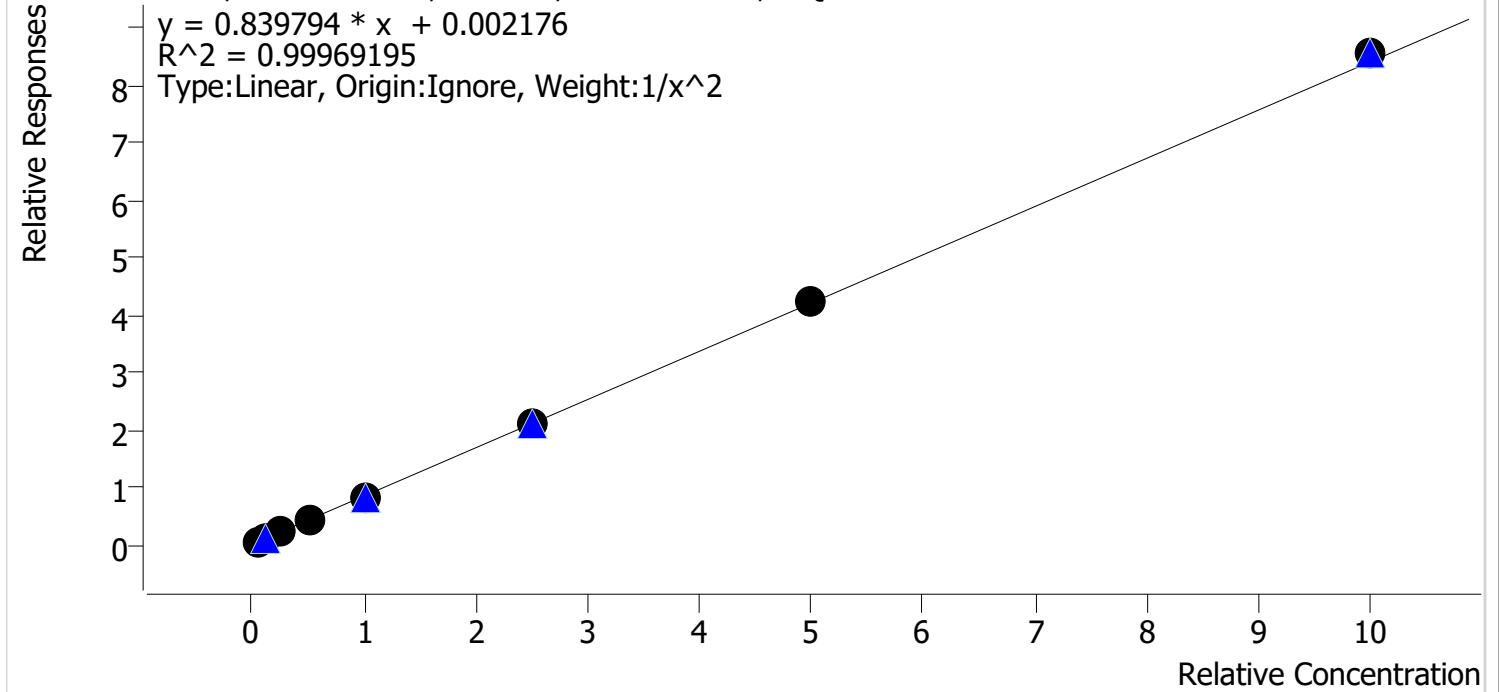
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte EDDP

BW

Internal Standard EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	50.7	101.5
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	249.1	99.6
cal 7 mdq	7	✓	500.0	504.7	100.9
cal 8 mdq	8	✓	1000.0	1016.2	101.6

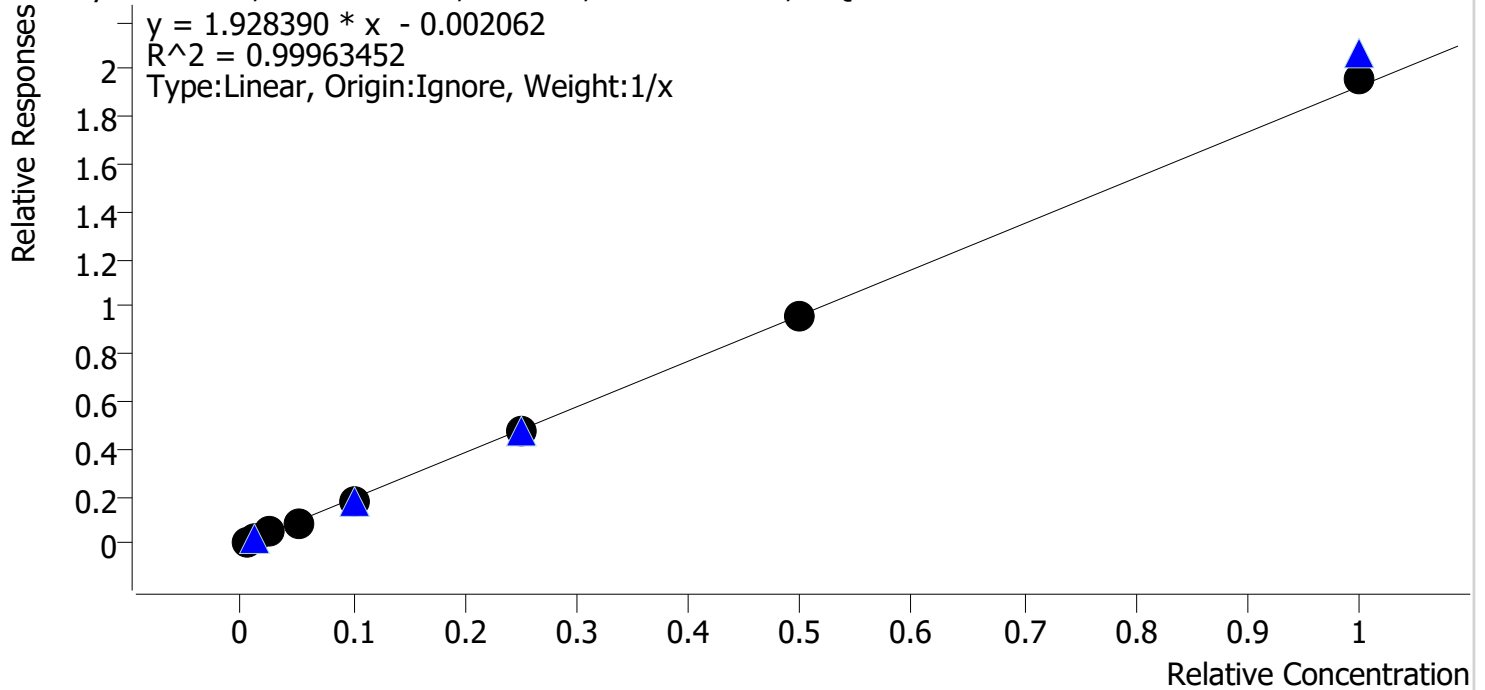
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Fentanyl

BW

Internal Standard Fentanyl-D5

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



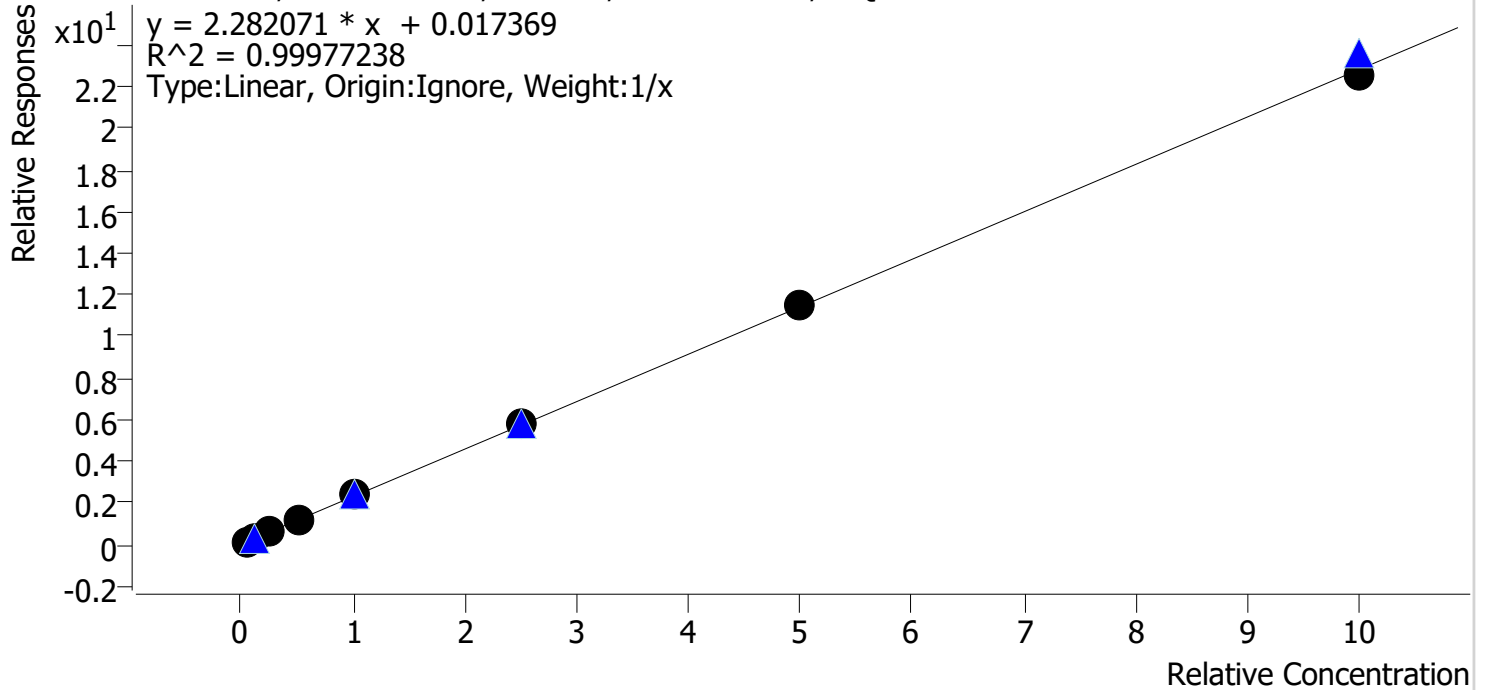
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.1
cal 2 mdq	2	✓	1.0	1.0	104.1
cal 3 mdq	3	✓	2.5	2.5	101.0
cal 4 mdq	4	✓	5.0	4.8	95.7
cal 5 mdq	5	✓	10.0	9.5	95.3
cal 6 mdq	6	✓	25.0	24.4	97.7
cal 7 mdq	7	✓	50.0	49.9	99.8
cal 8 mdq	8	✓	100.0	101.3	101.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Fluoxetine *BW*

Internal Standard Fluoxetine-D6

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



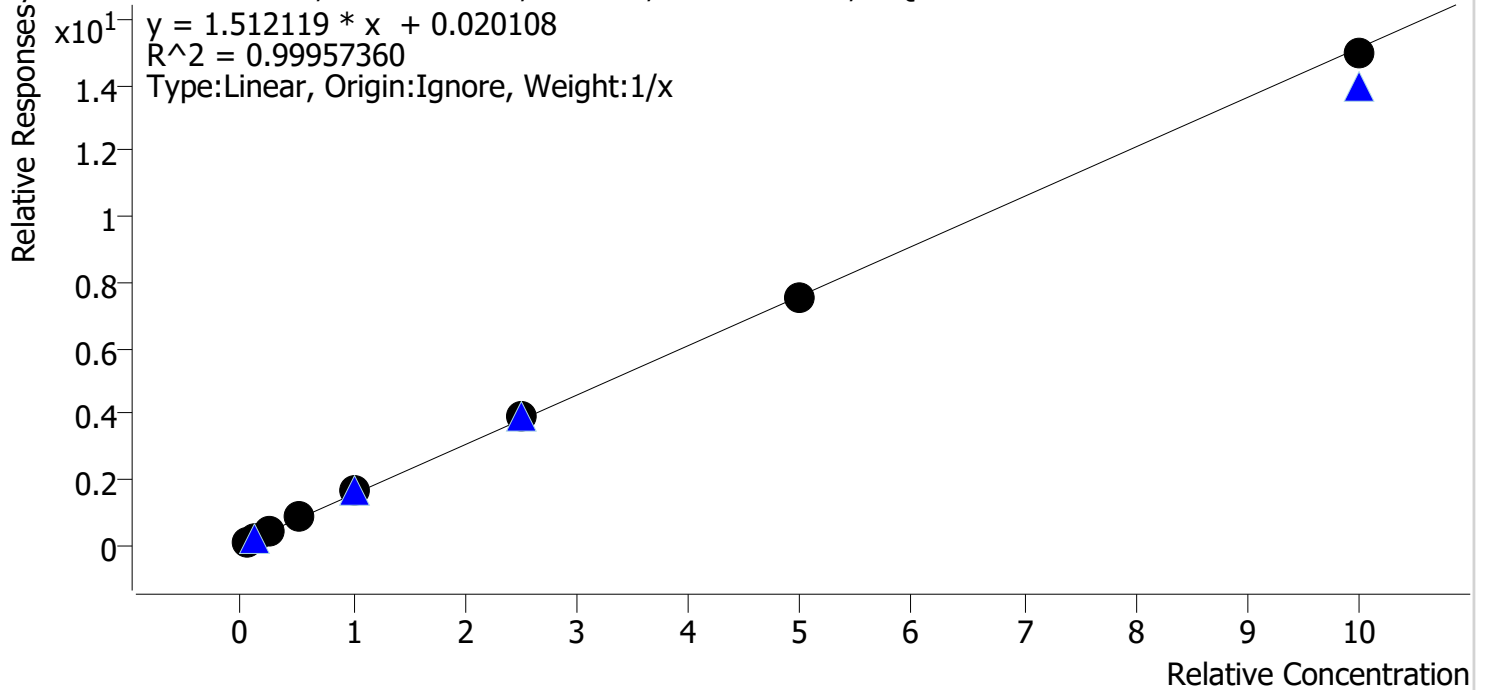
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.5
cal 2 mdq	2	✓	10.0	9.7	97.5
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	254.6	101.8
cal 7 mdq	7	✓	500.0	500.6	100.1
cal 8 mdq	8	✓	1000.0	989.9	99.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Hydrocodone *BW*

Internal Standard Hydrocodone-D6

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



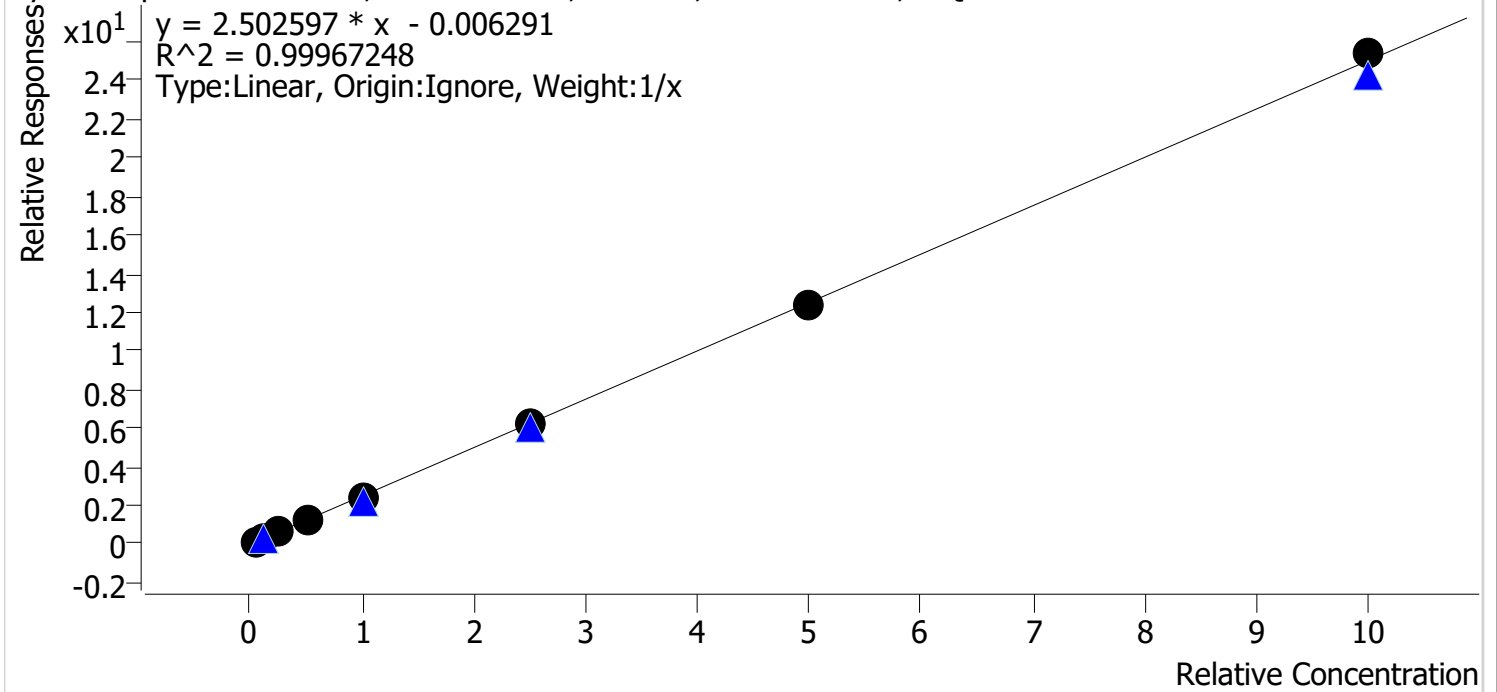
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	90.0
cal 2 mdq	2	✓	10.0	9.5	94.6
cal 3 mdq	3	✓	25.0	26.0	103.9
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	988.4	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.9
cal 2 mdq	2	✓	10.0	10.4	103.6
cal 3 mdq	3	✓	25.0	23.4	93.7
cal 4 mdq	4	✓	50.0	50.5	101.1
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	491.2	98.2
cal 8 mdq	8	✓	1000.0	1014.6	101.5

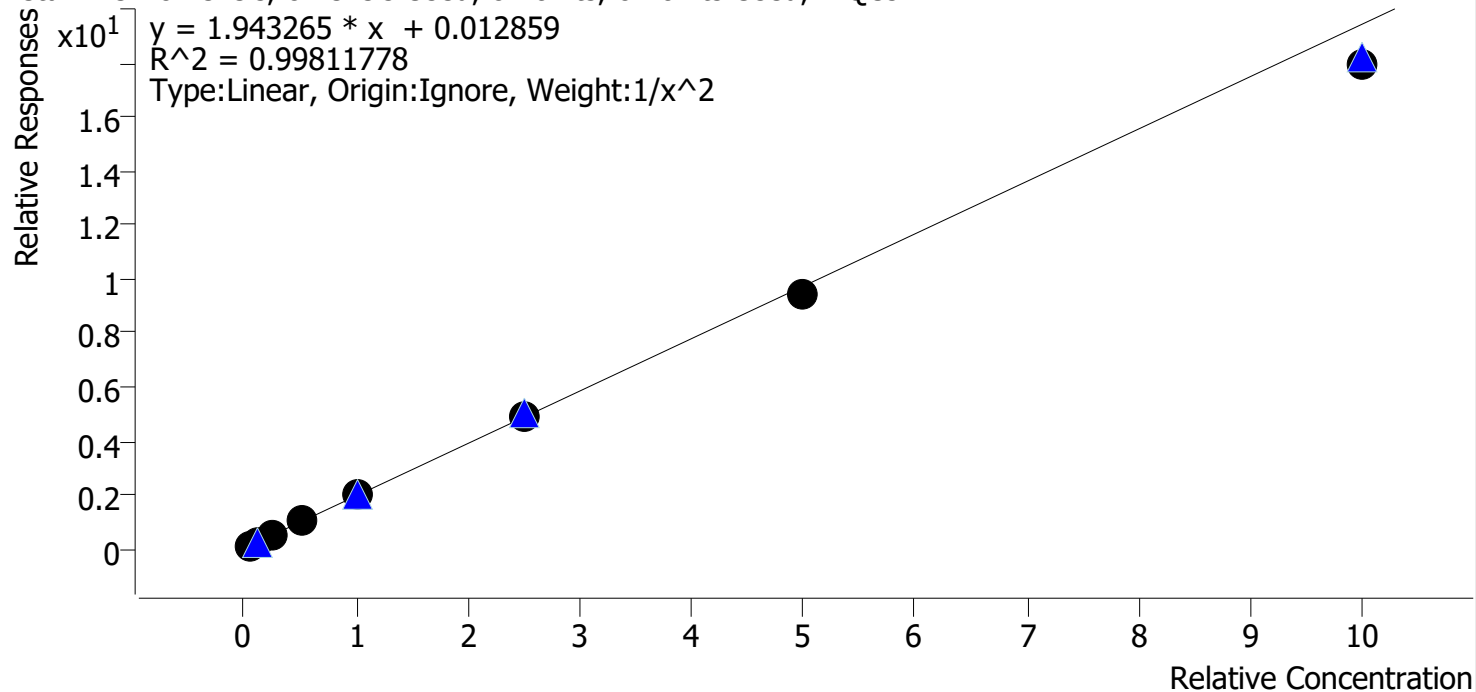
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Ketamine

BW

Internal Standard Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.1	101.5
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	487.6	97.5
cal 8 mdq	8	✓	1000.0	925.8	92.6

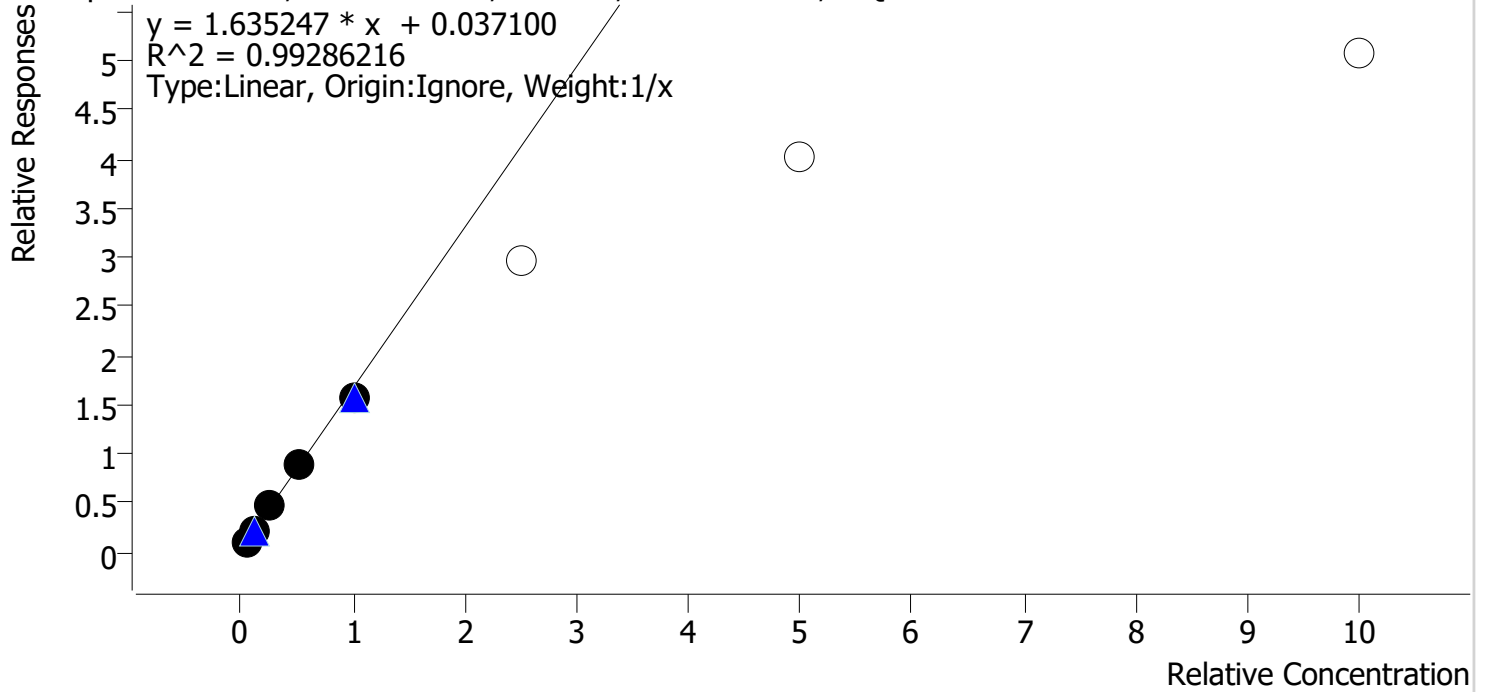
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Lorazepam

BW

Internal Standard Diazepam-D5

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.1
cal 2 mdq	2	✓	10.0	10.5	105.1
cal 3 mdq	3	✓	25.0	27.4	109.7
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	94.6	94.6
cal 6 mdq	6	✗	250.0	178.8	71.5
cal 7 mdq	7	✗	500.0	244.2	48.8
cal 8 mdq	8	✗	1000.0	308.0	30.8

Compound Calibration Report

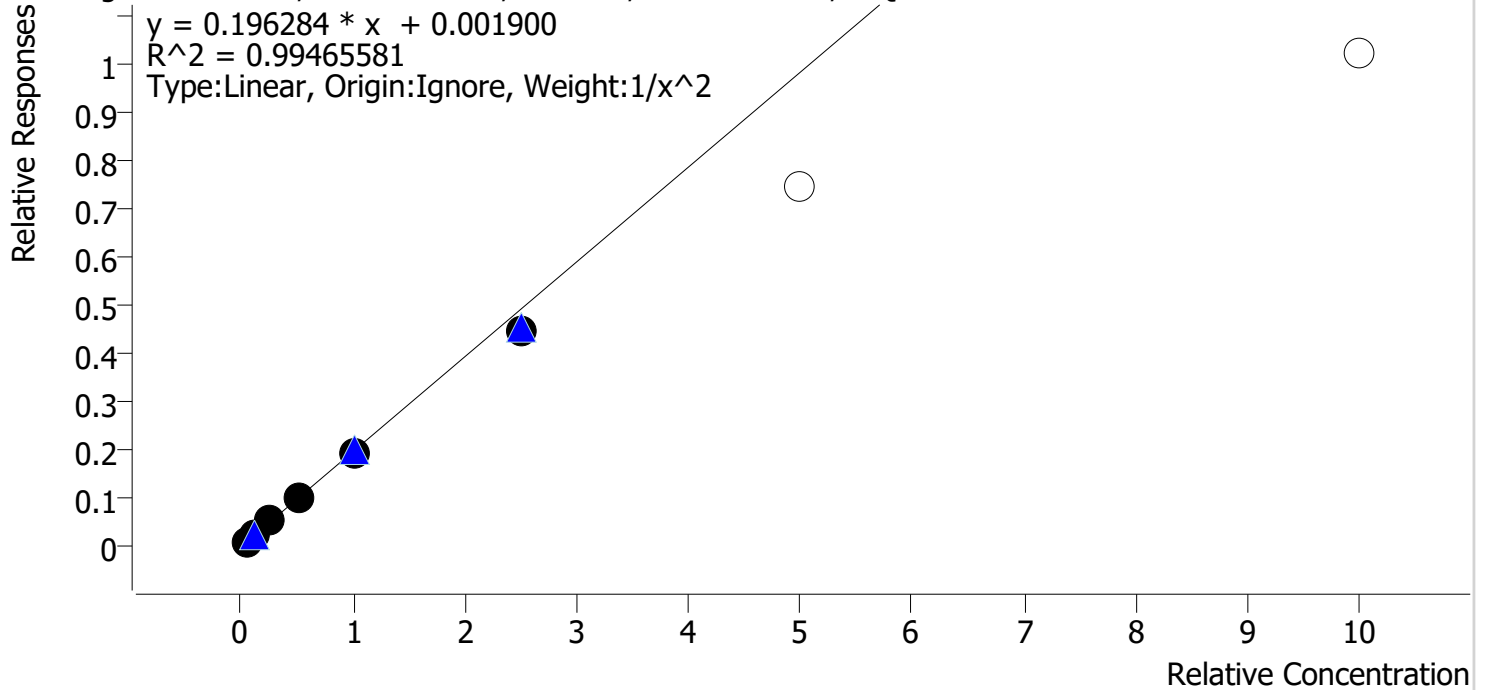
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Lamotrigine

BW

Internal Standard

Ketamine-D4

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



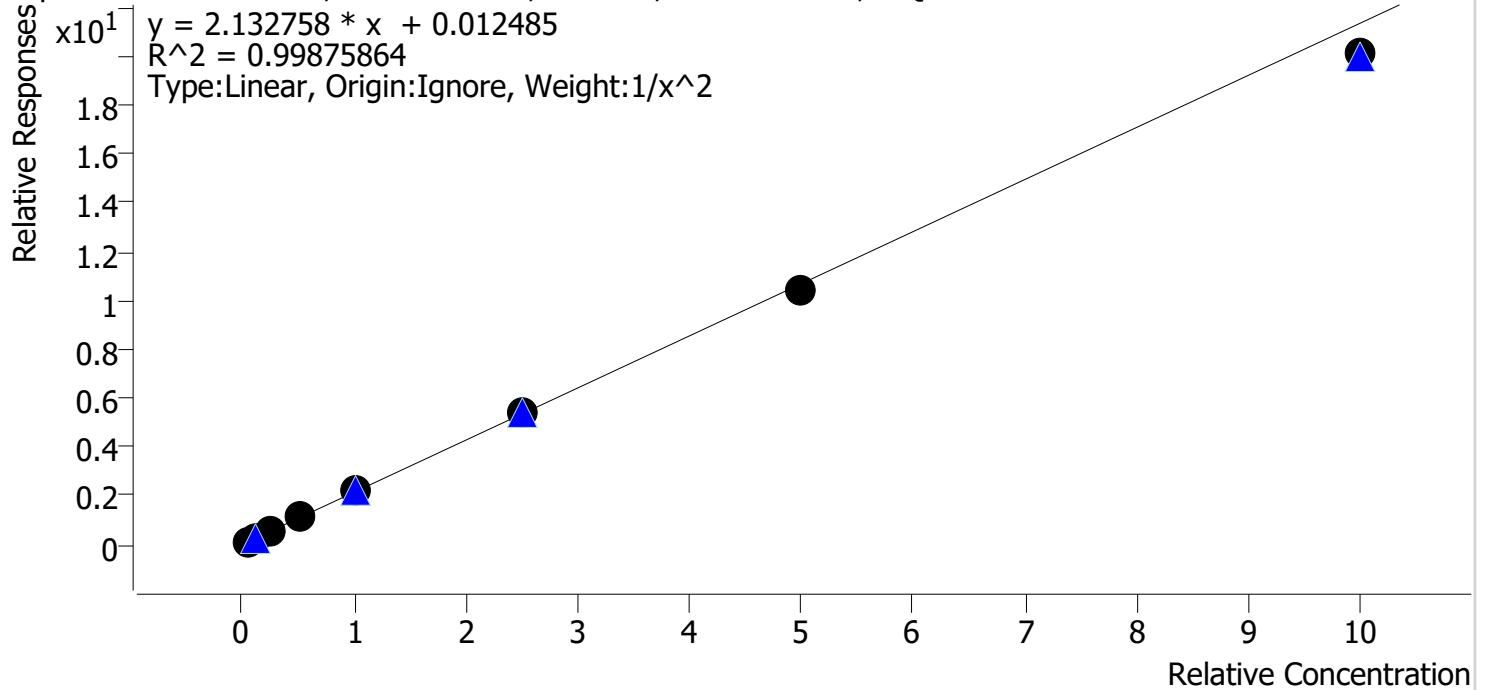
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.8
cal 2 mdq	2	✓	10.0	10.7	106.5
cal 3 mdq	3	✓	25.0	25.9	103.7
cal 4 mdq	4	✓	50.0	52.0	103.9
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	226.4	90.6
cal 7 mdq	7	✗	500.0	377.8	75.6
cal 8 mdq	8	✗	1000.0	519.6	52.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	489.0	97.8
cal 8 mdq	8	✓	1000.0	941.7	94.2

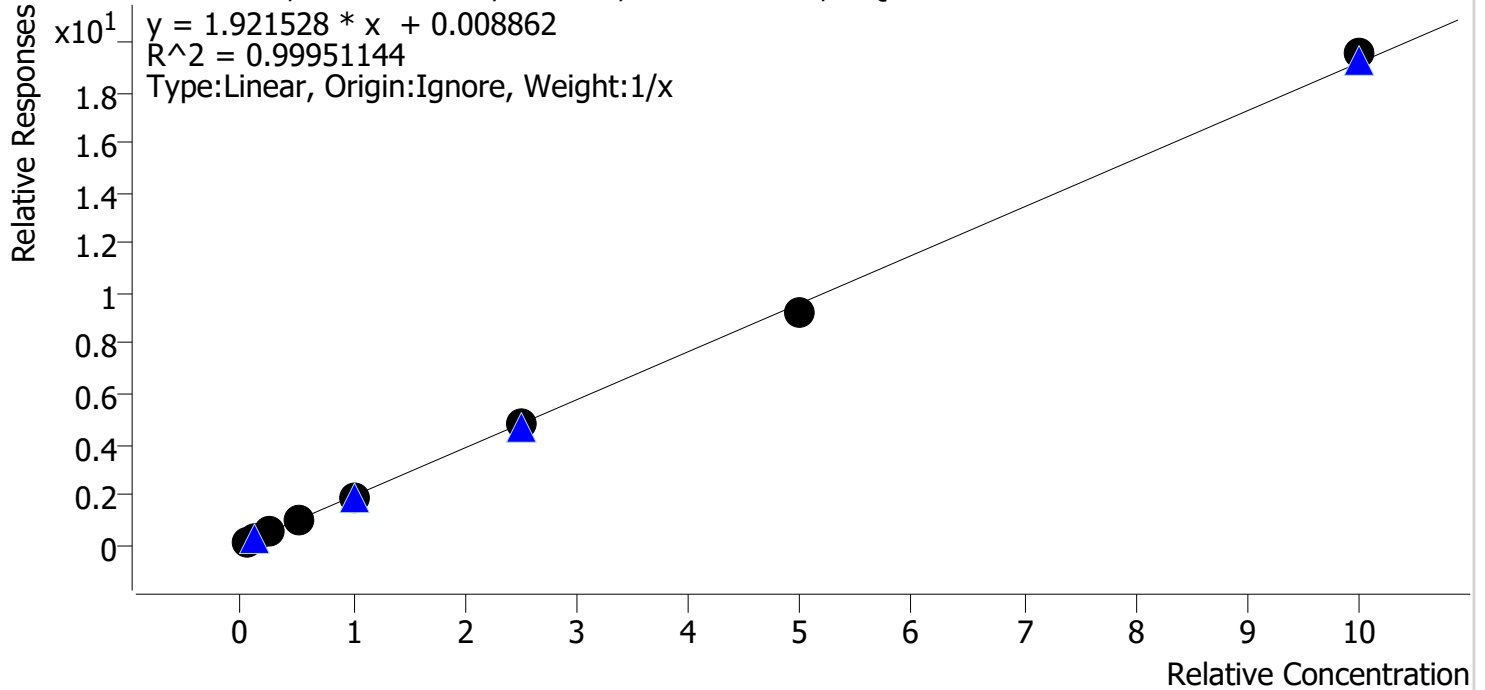
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Methadone

BW

Internal Standard Methadone-D9

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



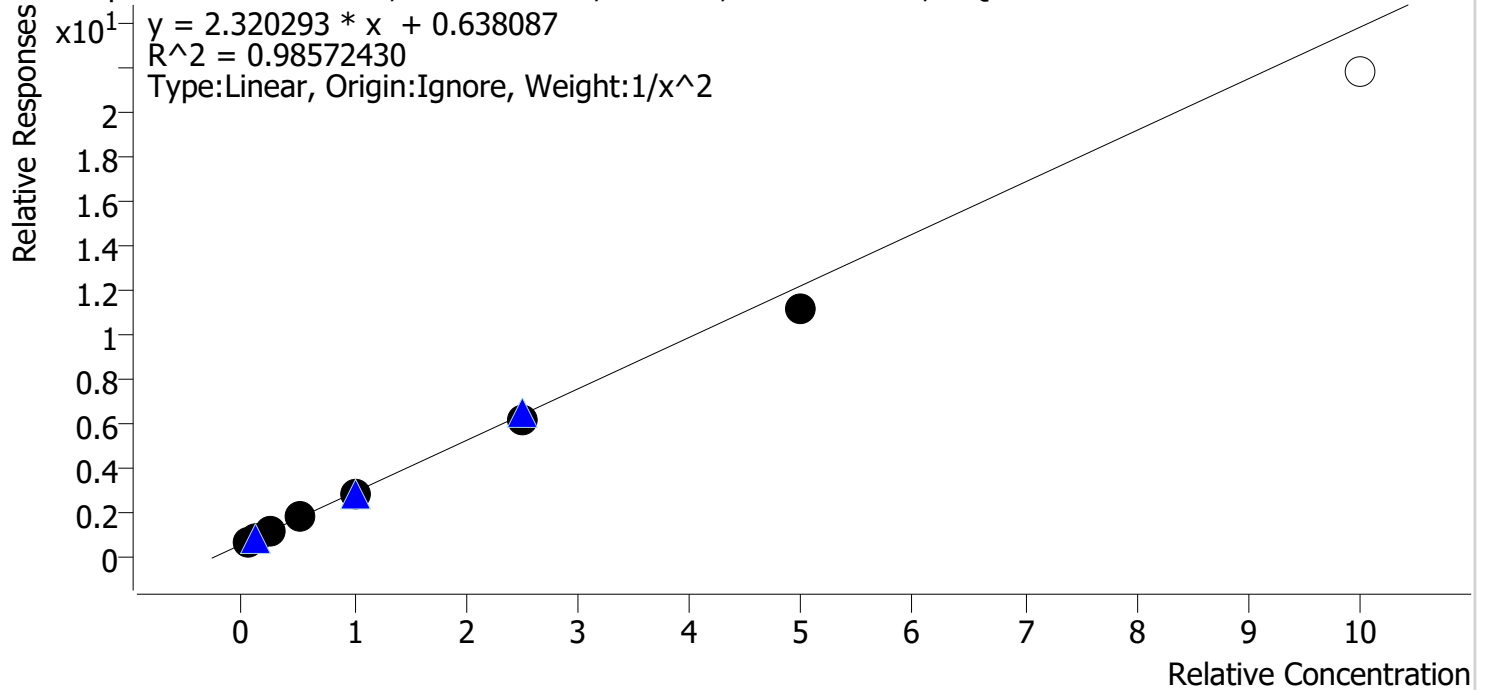
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	24.6	98.2
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	484.8	97.0
cal 8 mdq	8	✓	1000.0	1018.7	101.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	89.5
cal 2 mdq	2	✓	10.0	12.0	119.8
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	241.5	96.6
cal 7 mdq	7	✓	500.0	453.9	90.8
cal 8 mdq	8	✗	1000.0	915.5	91.5

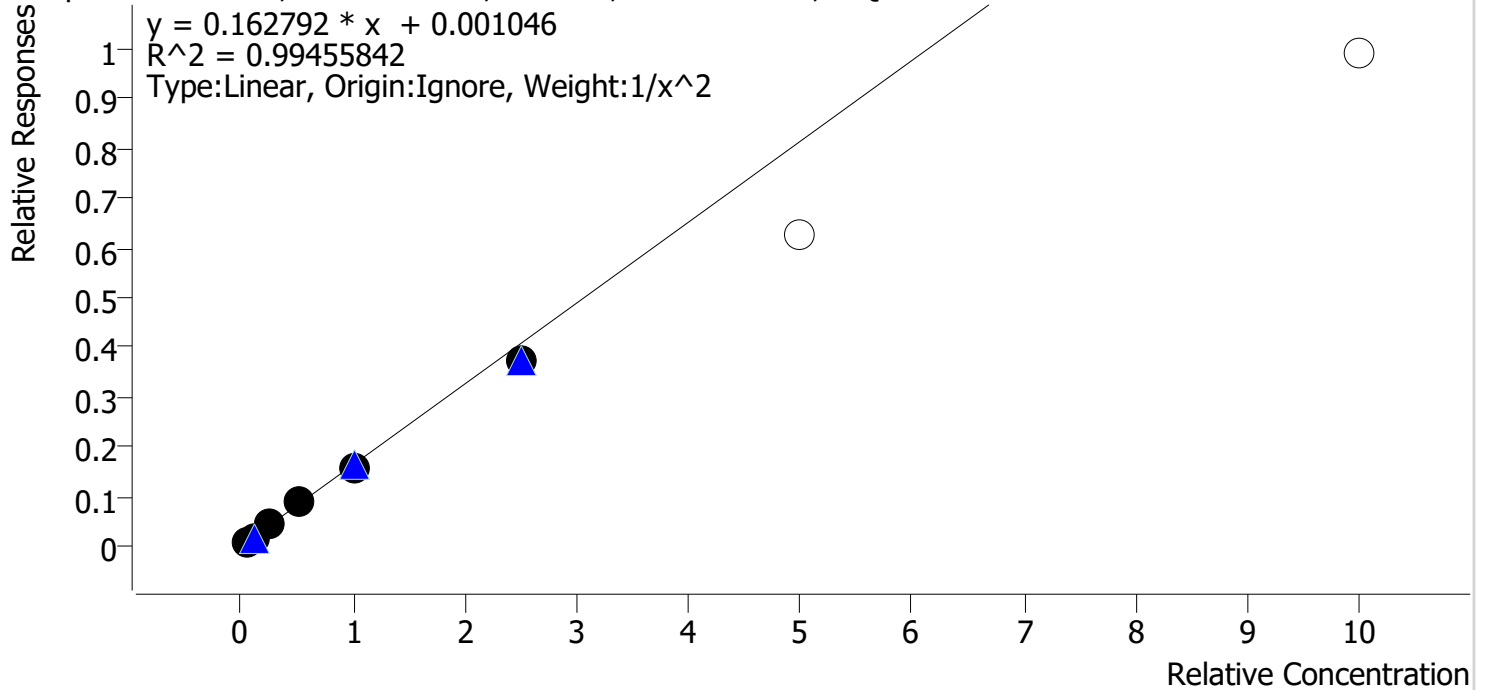
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Metoprolol

BW

Internal Standard Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.5	105.1
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	228.1	91.2
cal 7 mdq	7	✗	500.0	384.2	76.8
cal 8 mdq	8	✗	1000.0	608.4	60.8

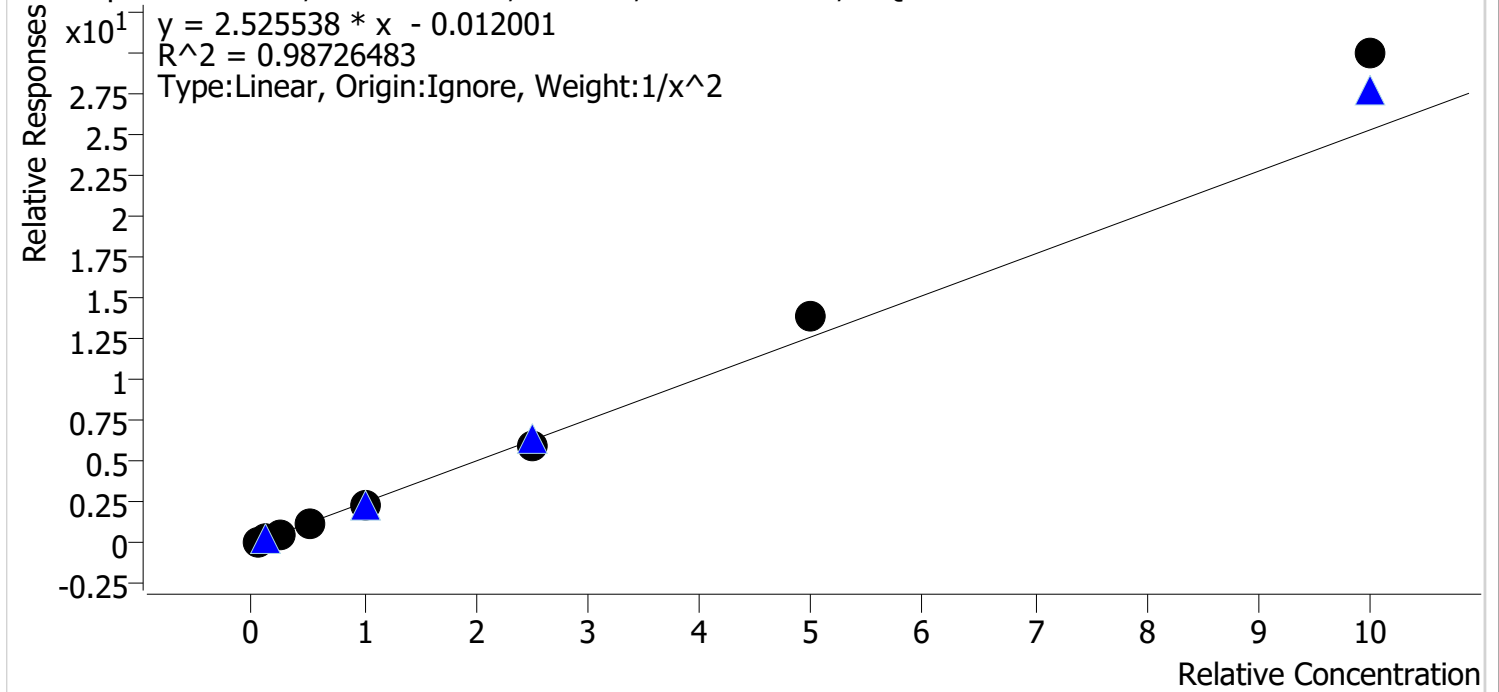
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Mirtazapine

BW

Internal Standard Methadone-D9

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

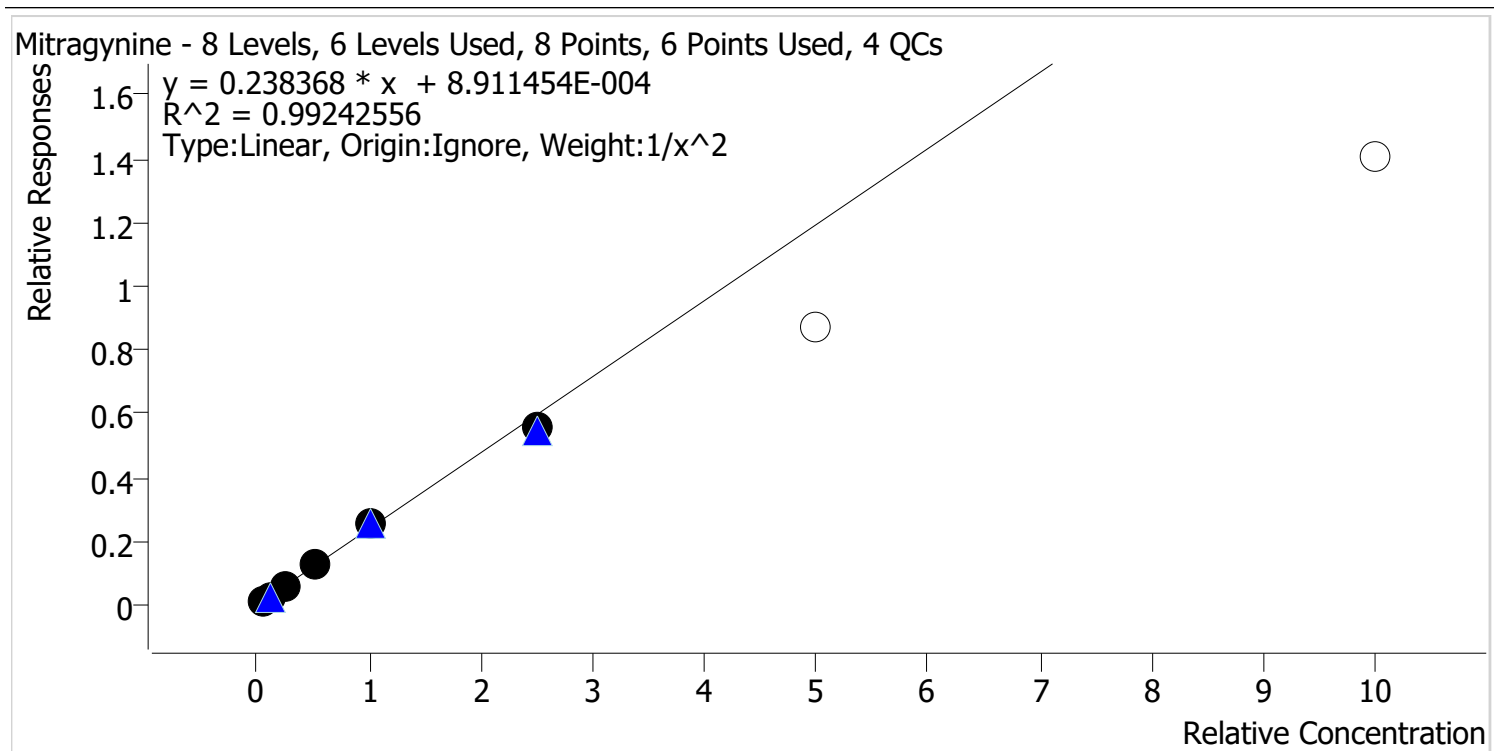


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	22.9	91.5
cal 4 mdq	4	✓	50.0	46.4	92.8
cal 5 mdq	5	✓	100.0	91.1	91.1
cal 6 mdq	6	✓	250.0	236.2	94.5
cal 7 mdq	7	✓	500.0	548.3	109.7
cal 8 mdq	8	✓	1000.0	1184.2	118.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

BW



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	8.9	89.3
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	52.8	105.6
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	232.2	92.9
cal 7 mdq	7	✗	500.0	367.4	73.5
cal 8 mdq	8	✗	1000.0	588.5	58.9

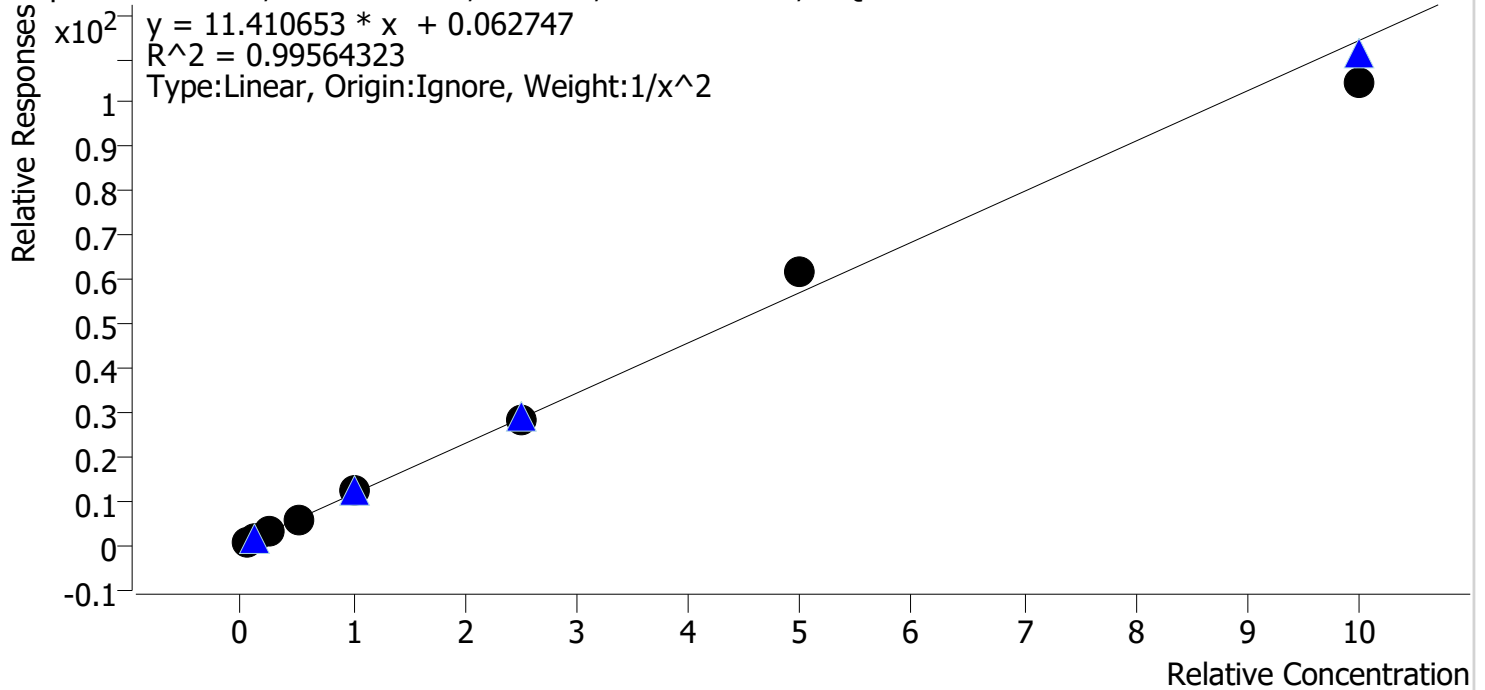
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Morphine

BW

Internal Standard Morphine-D6

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



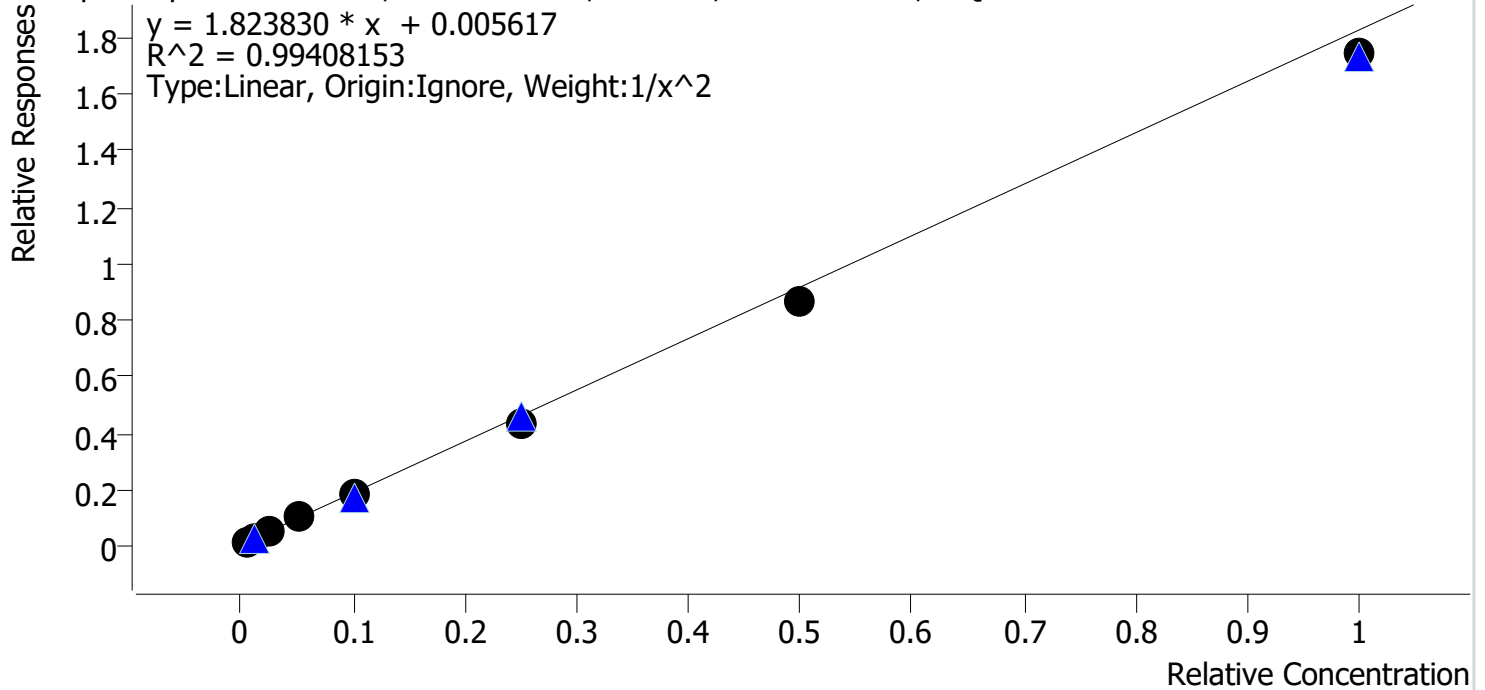
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	47.7	95.4
cal 5 mdq	5	✓	100.0	107.5	107.5
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	542.0	108.4
cal 8 mdq	8	✓	1000.0	913.0	91.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

BW

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



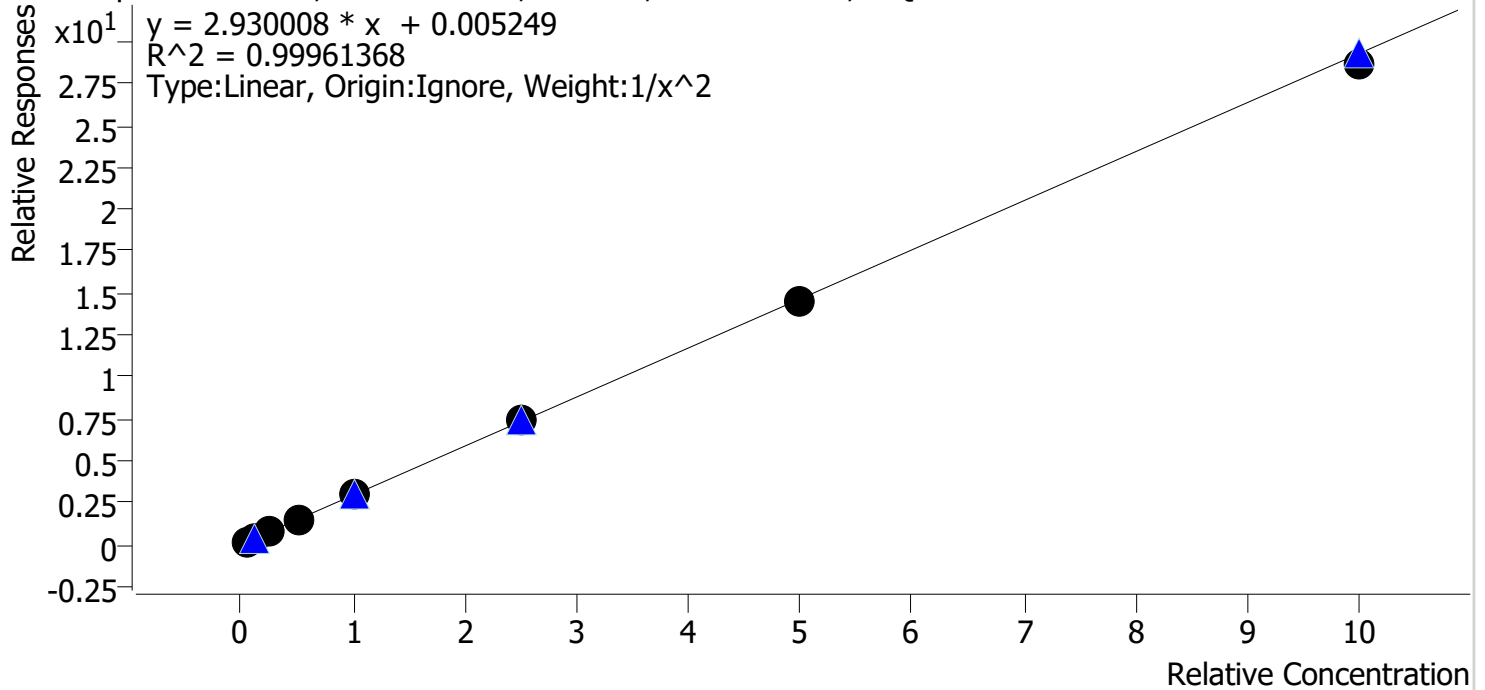
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.8
cal 2 mdq	2	✓	1.0	1.0	100.7
cal 3 mdq	3	✓	2.5	2.8	111.2
cal 4 mdq	4	✓	5.0	5.5	109.2
cal 5 mdq	5	✓	10.0	9.8	98.5
cal 6 mdq	6	✓	25.0	23.3	93.3
cal 7 mdq	7	✓	50.0	47.5	94.9
cal 8 mdq	8	✓	100.0	95.4	95.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

BW

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



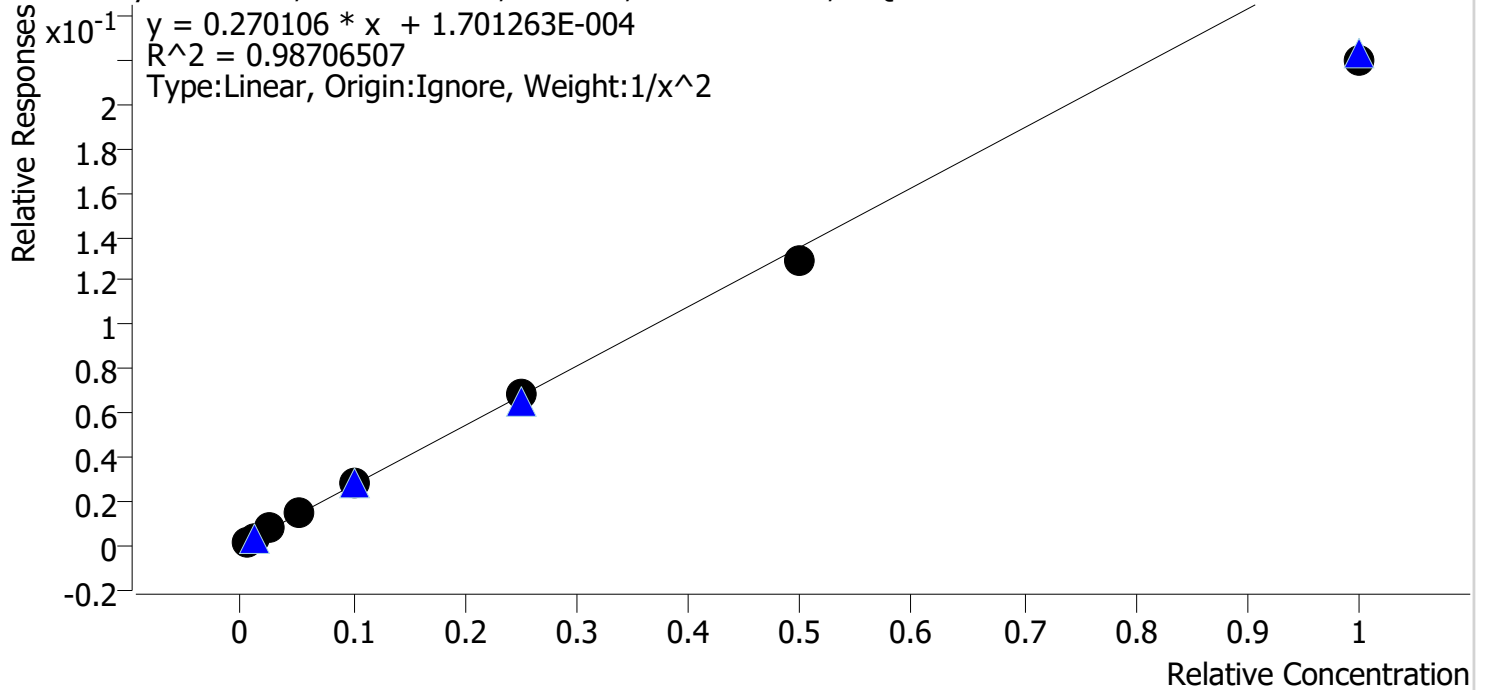
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	493.7	98.7
cal 8 mdq	8	✓	1000.0	975.3	97.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

BW

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



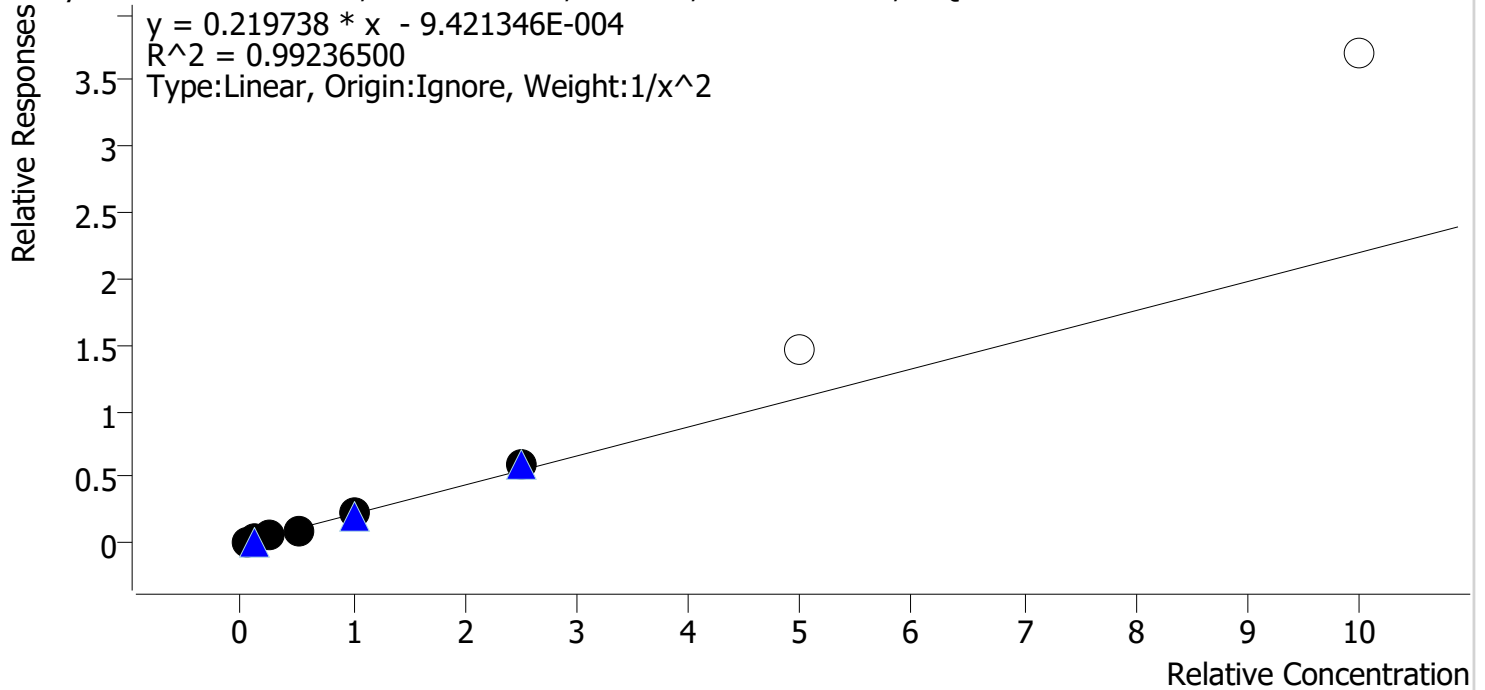
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	95.6
cal 2 mdq	2	✓	1.0	1.0	101.4
cal 3 mdq	3	✓	2.5	2.9	114.4
cal 4 mdq	4	✓	5.0	5.4	108.7
cal 5 mdq	5	✓	10.0	10.3	102.7
cal 6 mdq	6	✓	25.0	25.3	101.2
cal 7 mdq	7	✓	50.0	47.4	94.9
cal 8 mdq	8	✓	100.0	81.2	81.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone *BW*

Internal Standard Norhydrocodone-D3

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



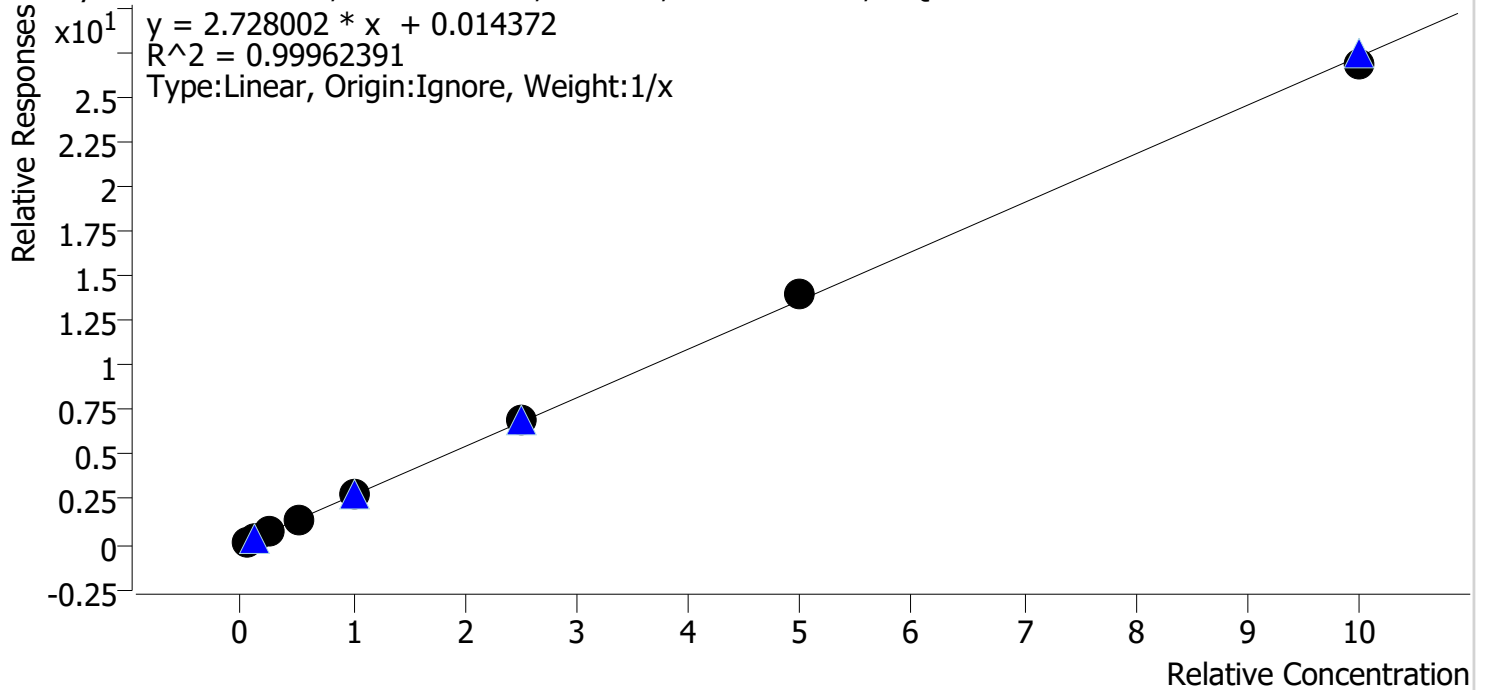
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	23.5	94.0
cal 4 mdq	4	✓	50.0	45.0	90.1
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	274.1	109.6
cal 7 mdq	7	✗	500.0	670.8	134.2
cal 8 mdq	8	✗	1000.0	1684.8	168.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

BW

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

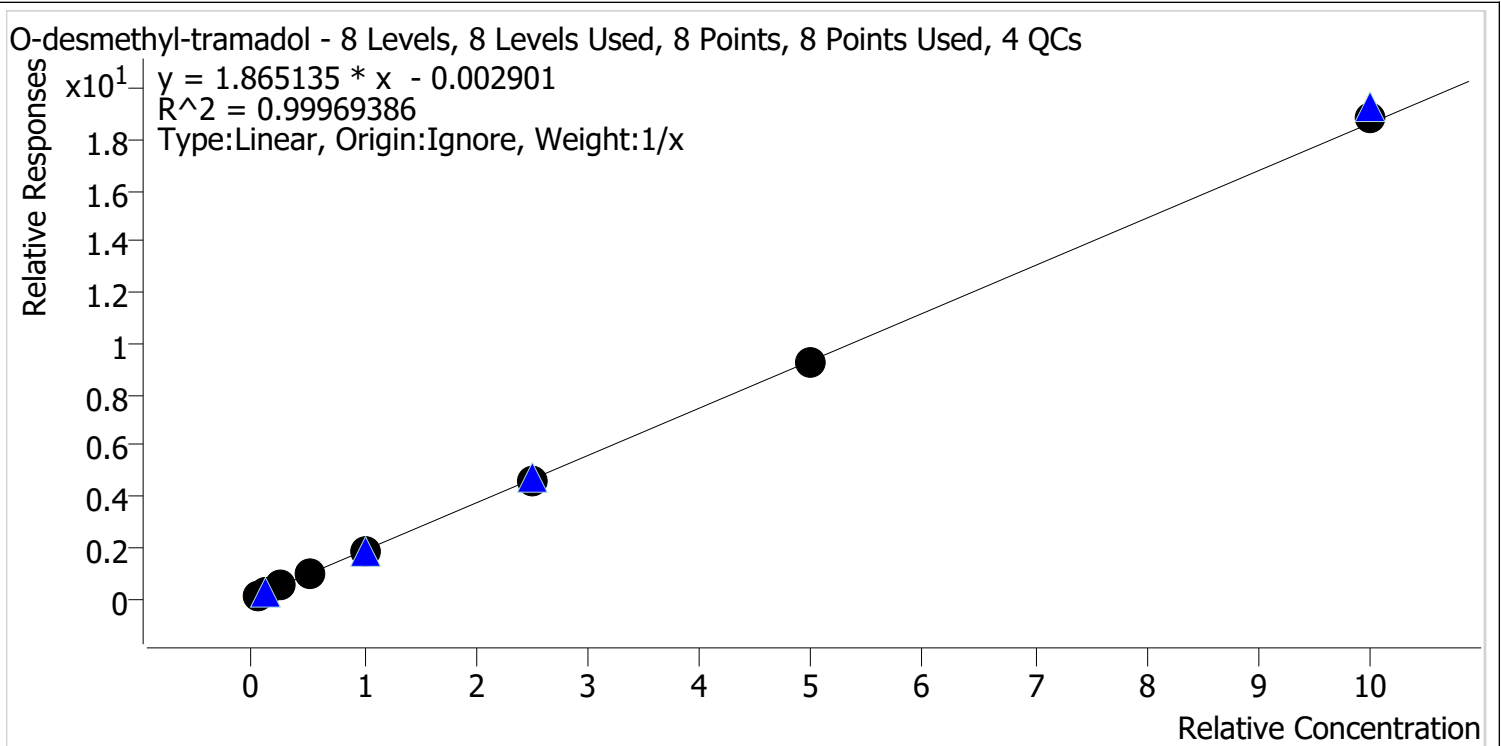


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	255.4	102.2
cal 7 mdq	7	✓	500.0	510.3	102.1
cal 8 mdq	8	✓	1000.0	982.8	98.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin		
Last Cal. Update	5/22/2020 8:05 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

BW



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.3
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.5	97.8
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdq	5	✓	100.0	96.2	96.2
cal 6 mdq	6	✓	250.0	244.7	97.9
cal 7 mdq	7	✓	500.0	495.6	99.1
cal 8 mdq	8	✓	1000.0	1014.1	101.4

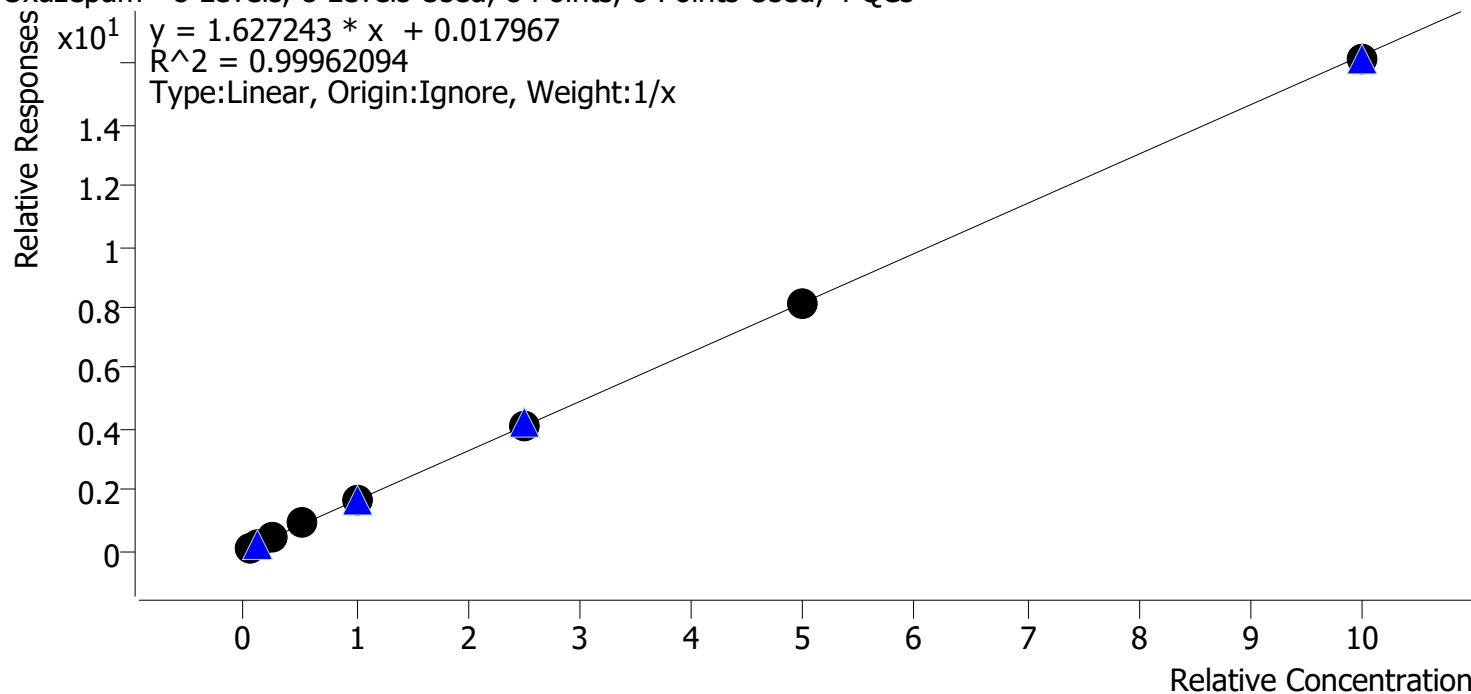
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Oxazepam

BW

Internal Standard Oxazepam-D5

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



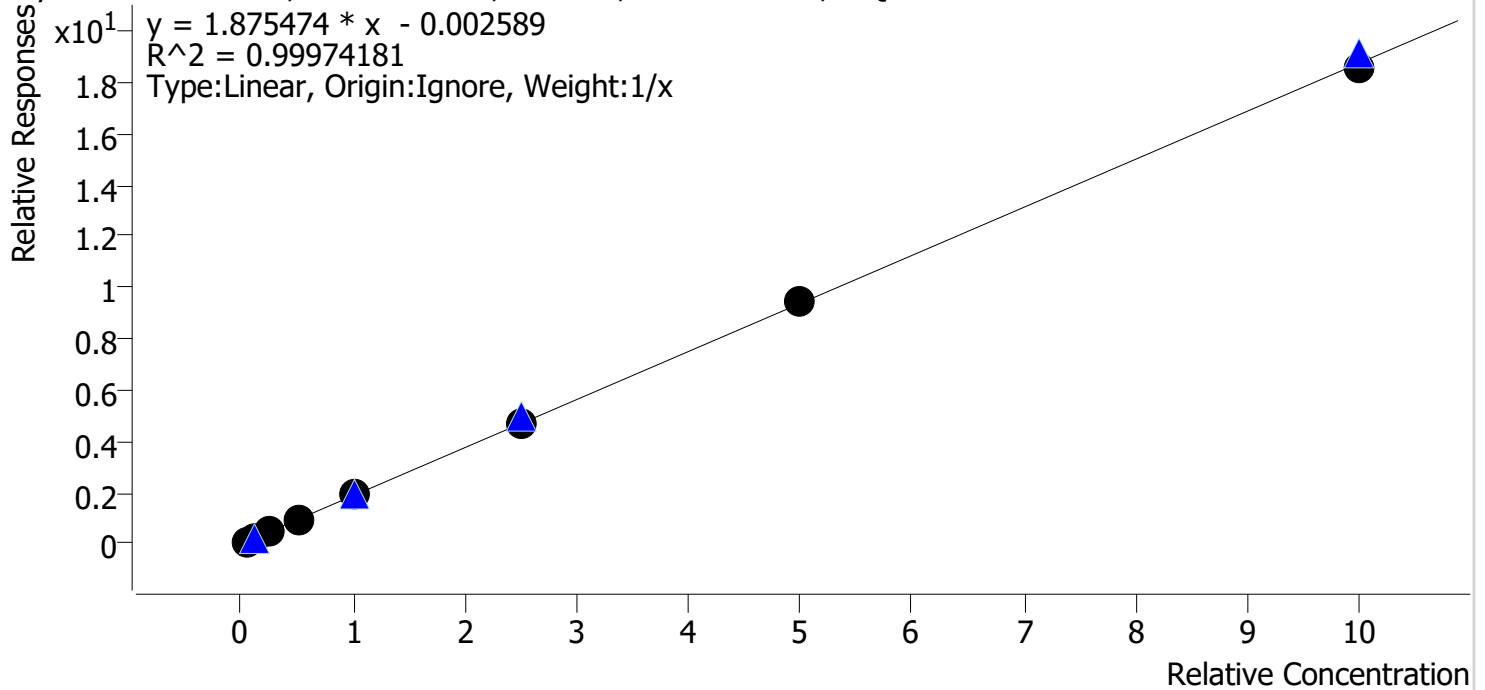
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.4
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	499.9	100.0
cal 8 mdq	8	✓	1000.0	989.0	98.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

BW

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



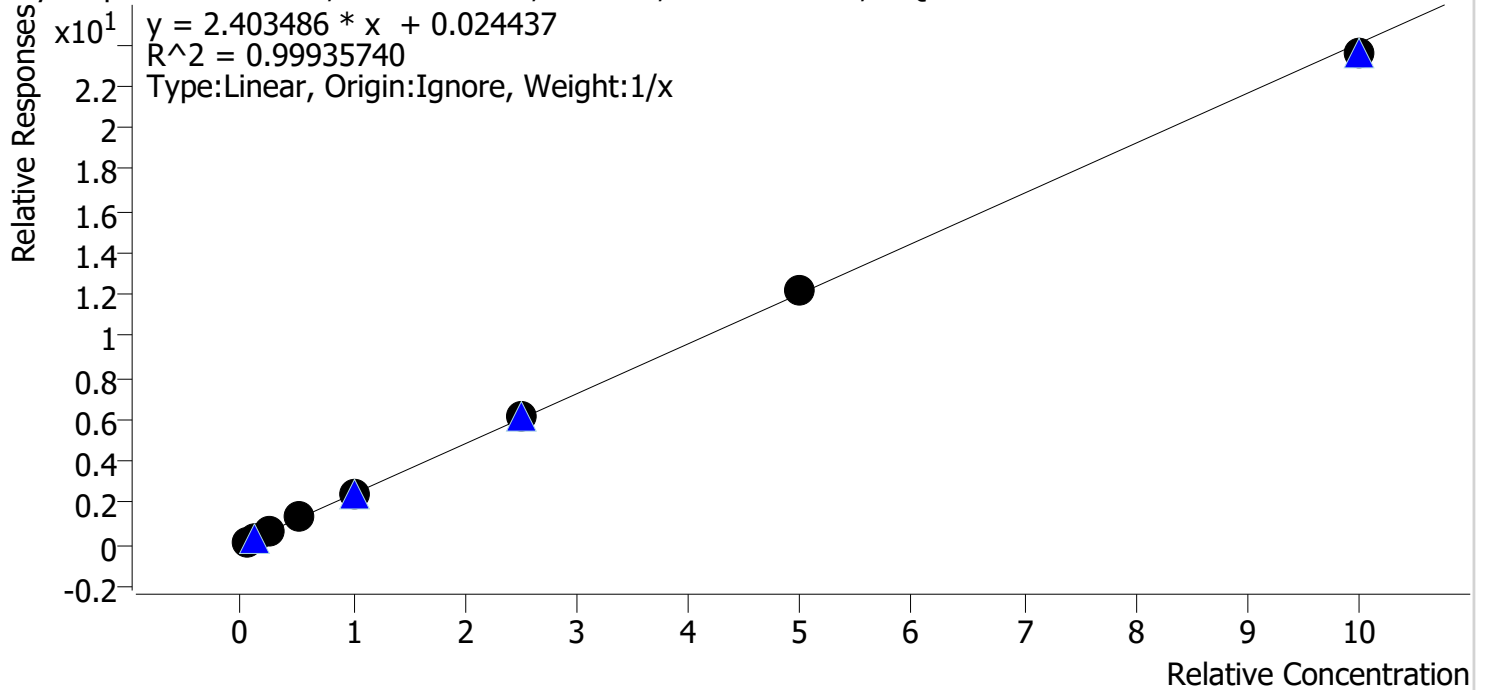
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.1	82.9
cal 2 mdq	2	✓	10.0	10.7	107.2
cal 3 mdq	3	✓	25.0	26.0	103.8
cal 4 mdq	4	✓	50.0	51.9	103.9
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	502.3	100.5
cal 8 mdq	8	✓	1000.0	990.8	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Oxymorphone *BW*

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	4.6	92.0
cal 2 mdq	2	✓	10.0	9.6	96.5
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	509.5	101.9
cal 8 mdq	8	✓	1000.0	978.2	97.8

Compound Calibration Report

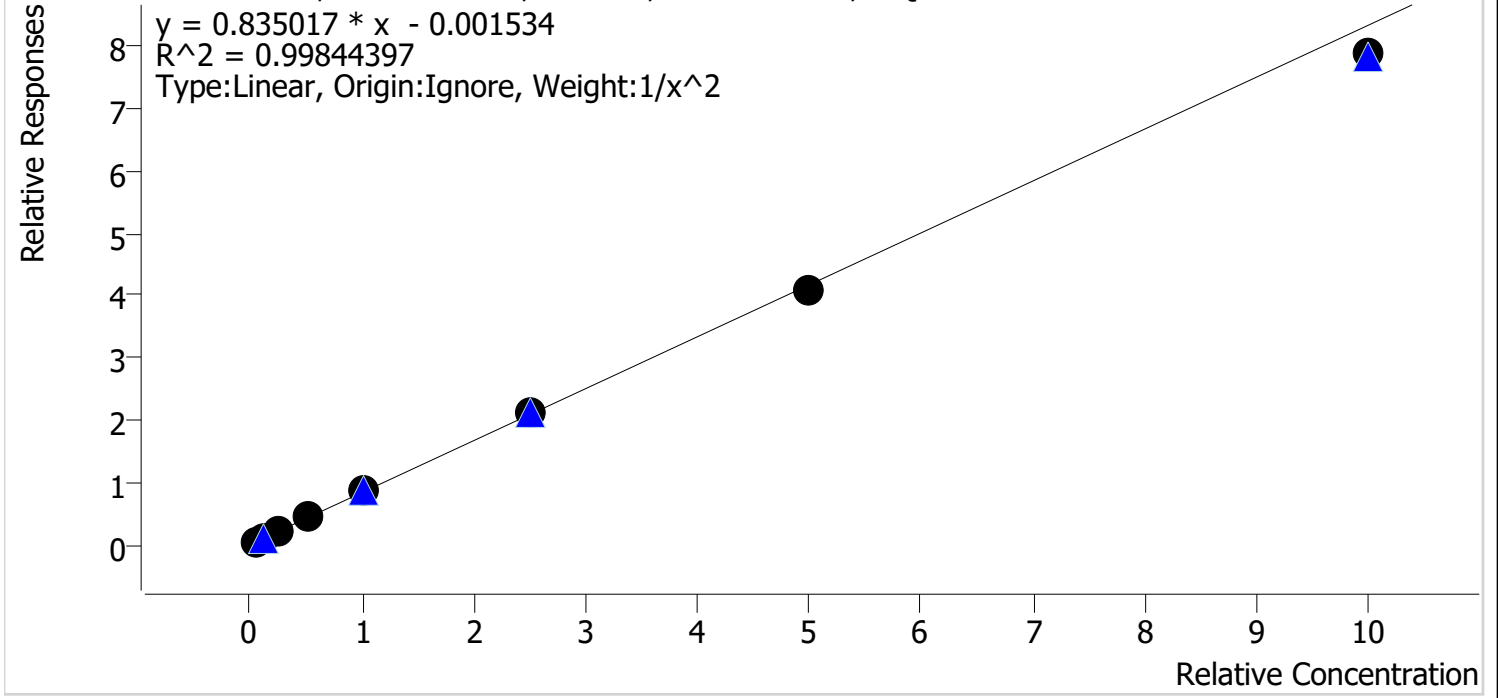
Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Phentermine

BW

Internal Standard

Phentermine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	52.8	105.6
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	254.6	101.8
cal 7 mdq	7	✓	500.0	492.2	98.4
cal 8 mdq	8	✓	1000.0	945.5	94.5

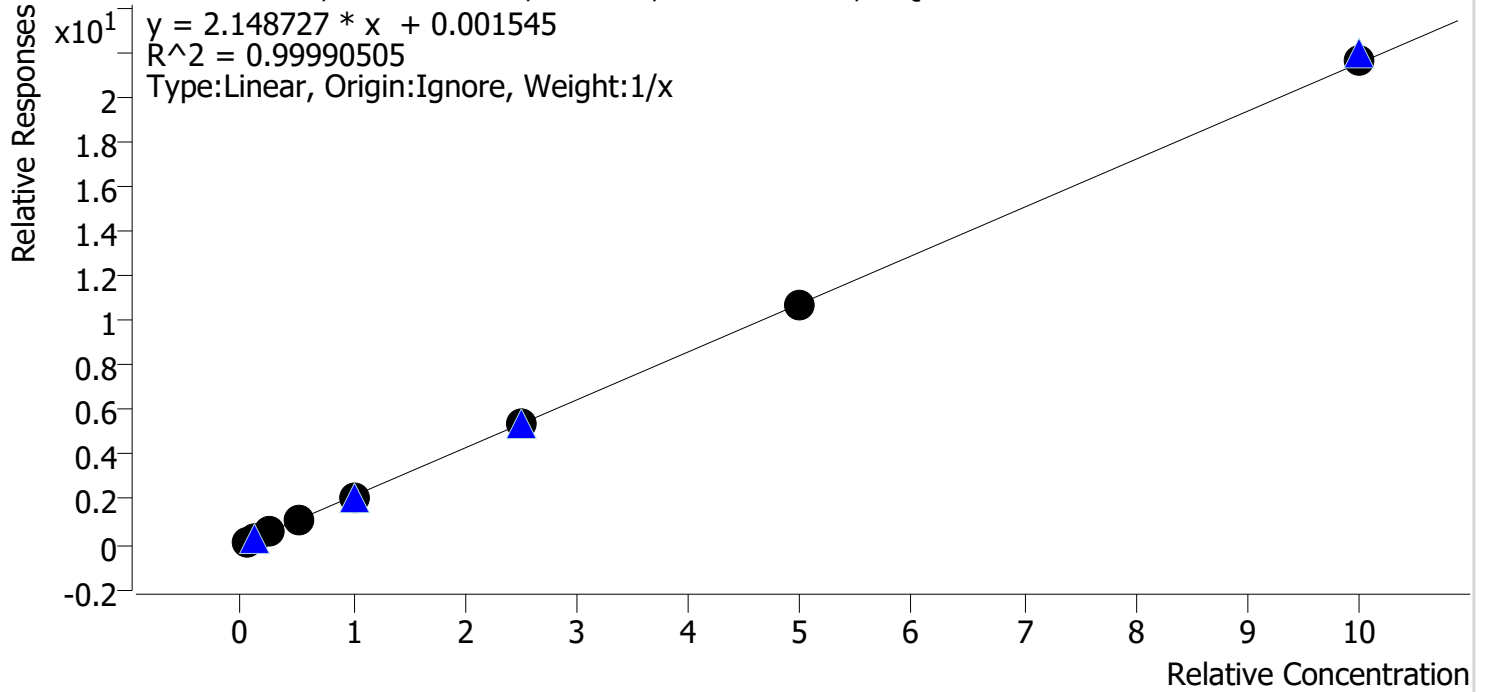
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Promethazine

BW

Internal Standard Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.6	101.1
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	493.3	98.7
cal 8 mdq	8	✓	1000.0	1005.7	100.6

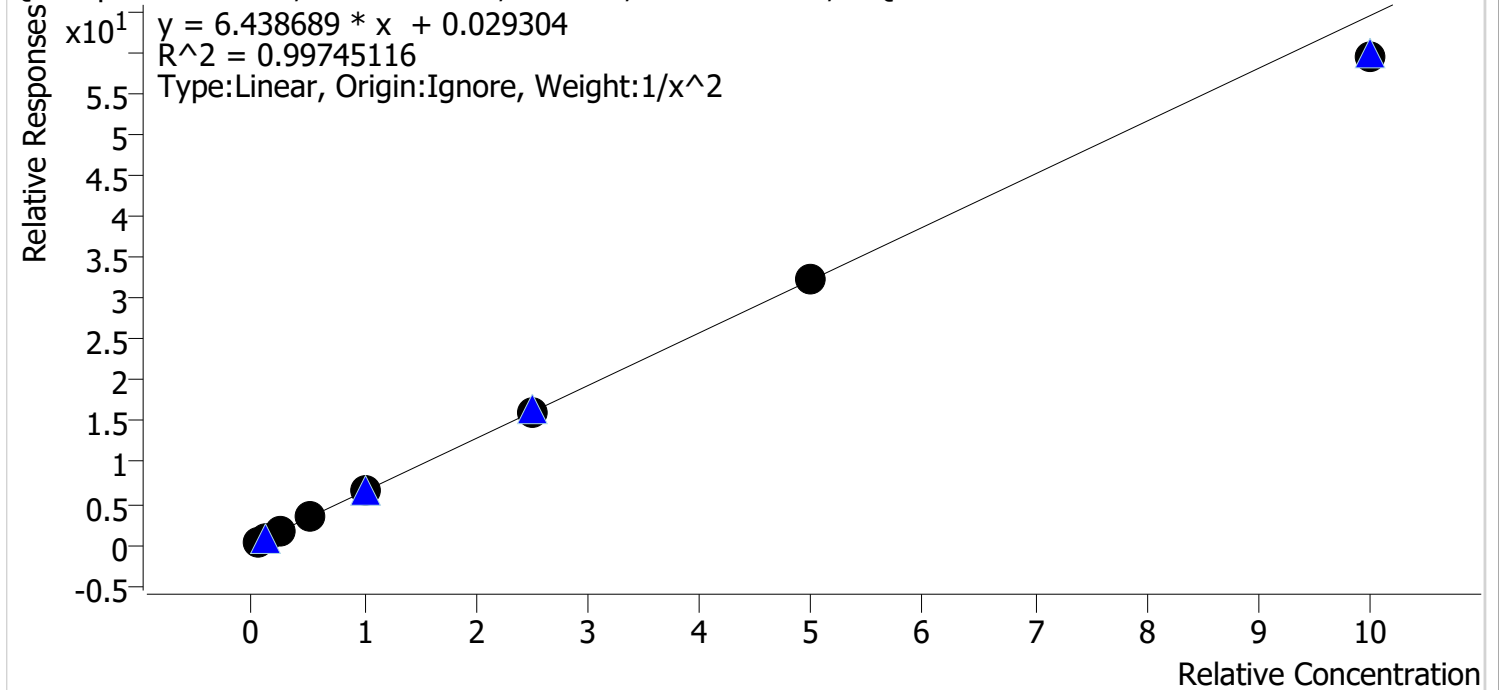
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Quetiapine

BW

Internal Standard Quetiapine-D8

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



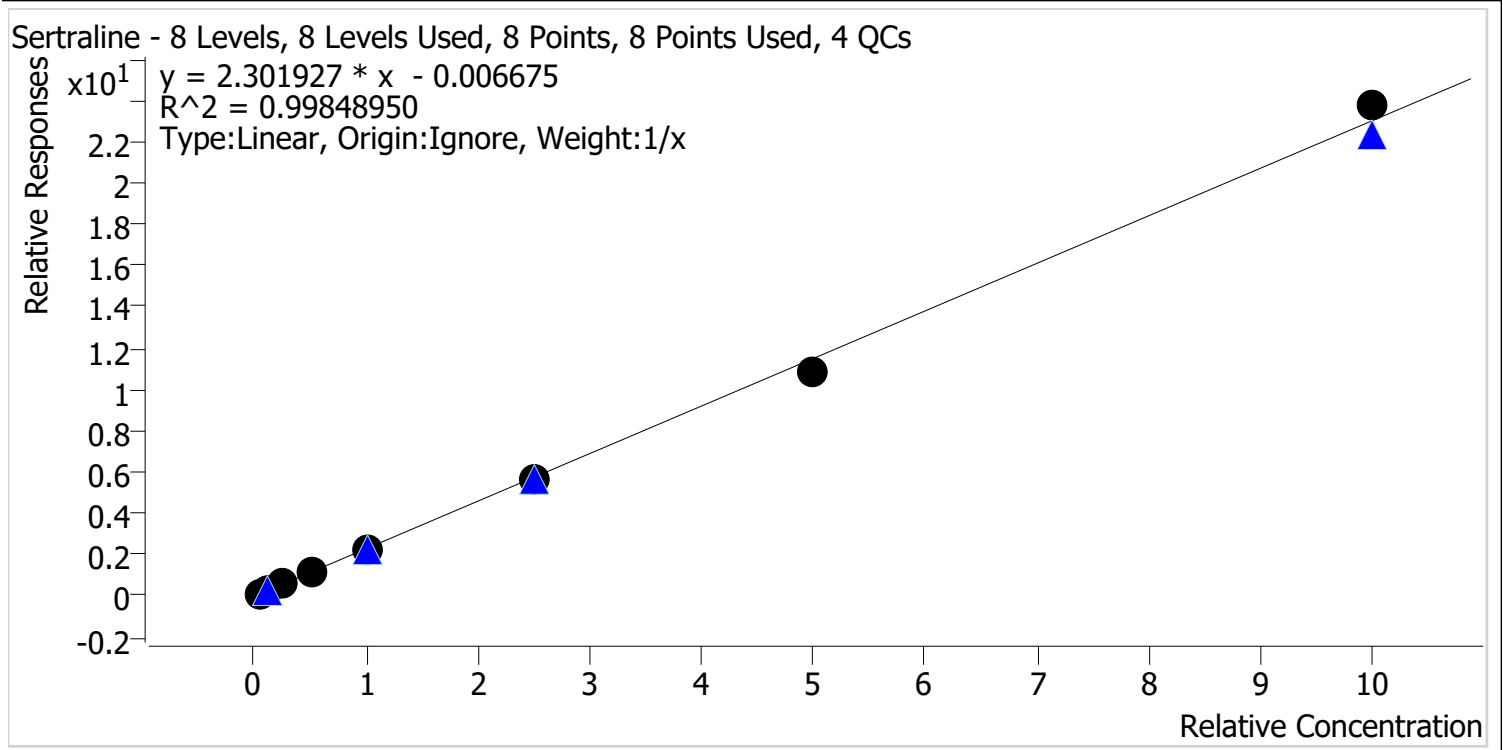
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.6	105.5
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	501.0	100.2
cal 8 mdq	8	✓	1000.0	921.4	92.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Sertraline

BW

Internal Standard Sertraline-D3



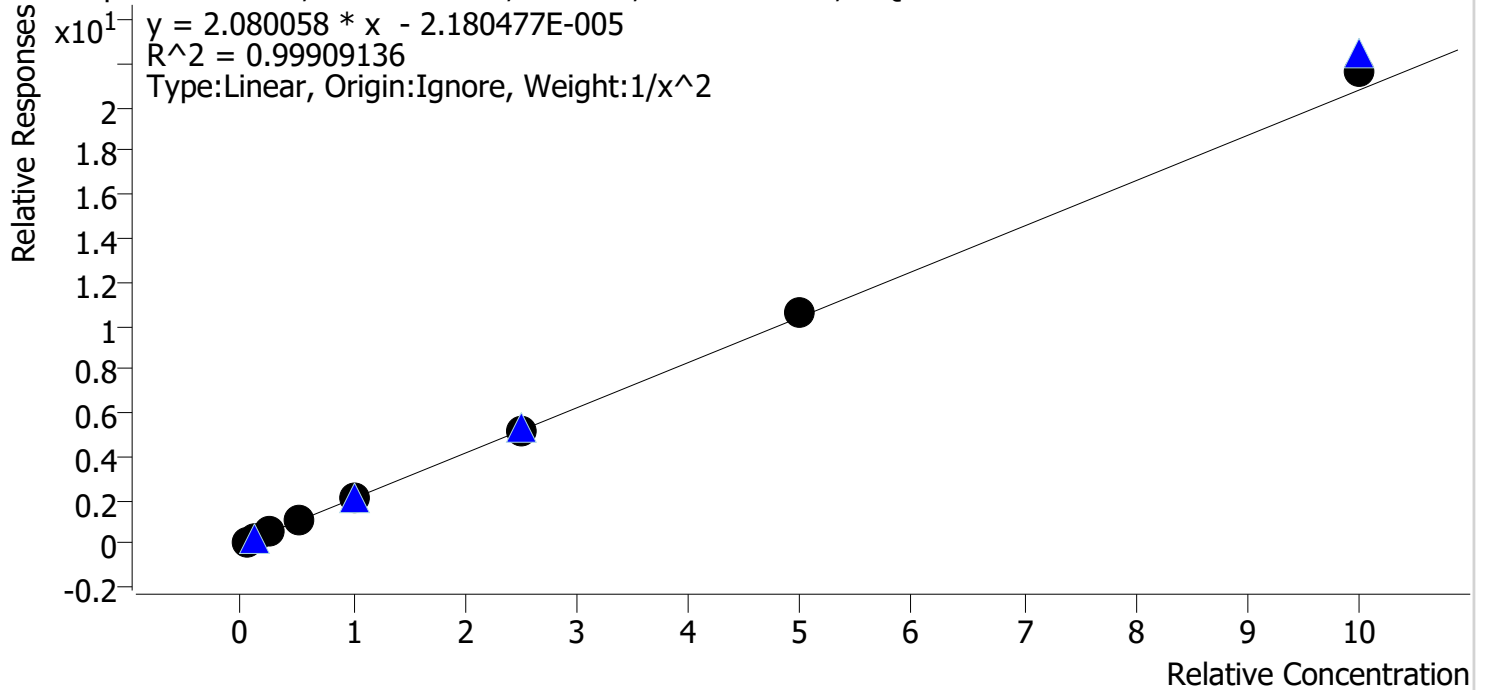
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.1
cal 2 mdq	2	✓	10.0	10.4	104.4
cal 3 mdq	3	✓	25.0	24.3	97.4
cal 4 mdq	4	✓	50.0	49.8	99.7
cal 5 mdq	5	✓	100.0	95.9	95.9
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	473.1	94.6
cal 8 mdq	8	✓	1000.0	1031.8	103.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

BW

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



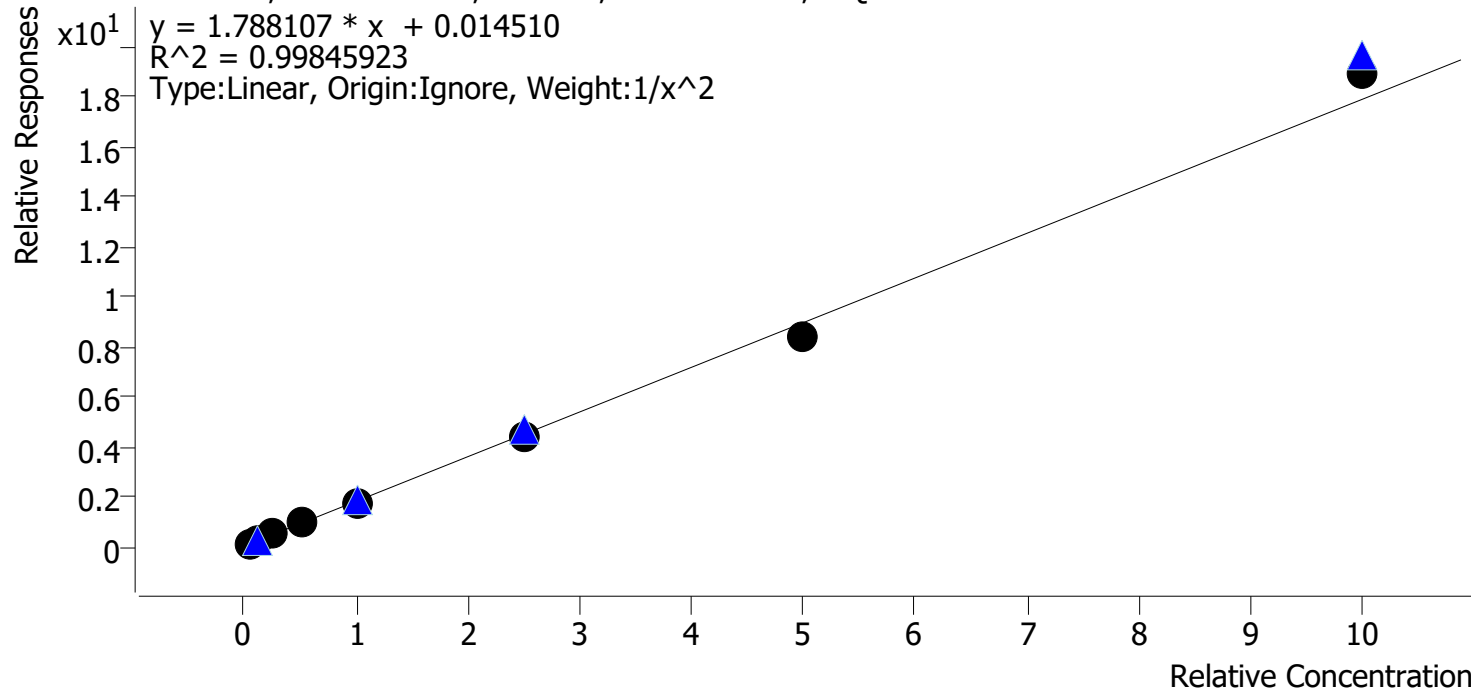
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.7	96.9
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	247.6	99.0
cal 7 mdq	7	✓	500.0	508.8	101.8
cal 8 mdq	8	✓	1000.0	1042.9	104.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	244.7	97.9
cal 7 mdq	7	✓	500.0	472.2	94.4
cal 8 mdq	8	✓	1000.0	1060.9	106.1

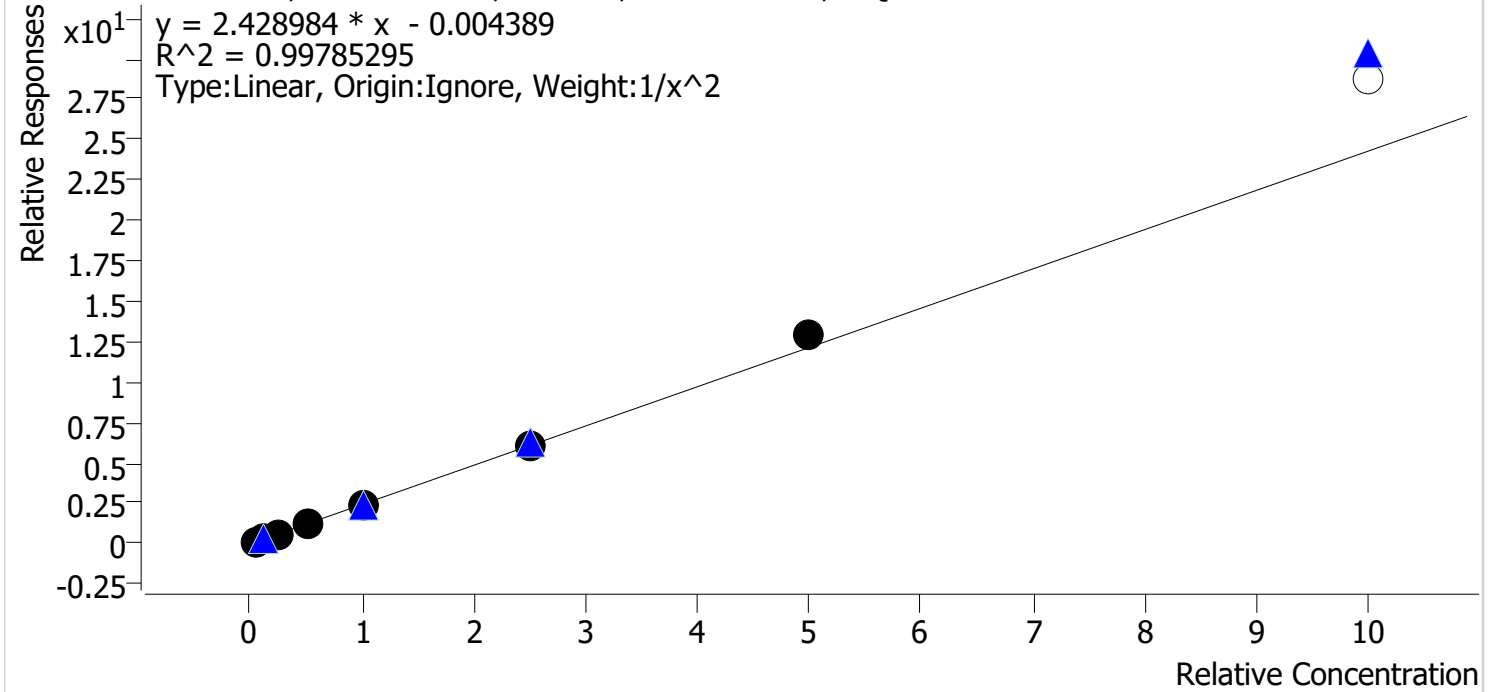
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Trazodone

BW

Internal Standard Trazodone-D6

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



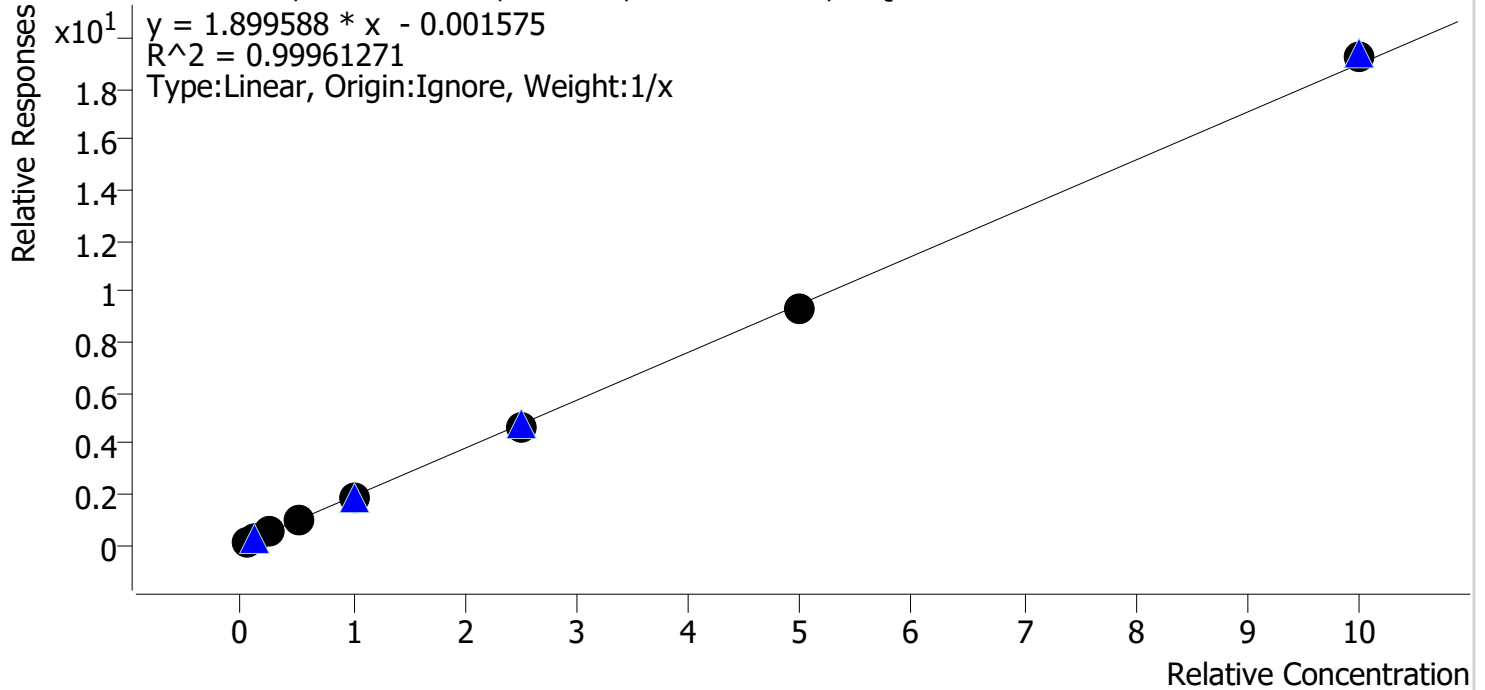
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.7	97.5
cal 3 mdq	3	✓	25.0	23.7	94.6
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	532.8	106.6
cal 8 mdq	8	✗	1000.0	1183.8	118.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

BW

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.9
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.5	99.1
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	244.7	97.9
cal 7 mdq	7	✓	500.0	491.6	98.3
cal 8 mdq	8	✓	1000.0	1017.2	101.7

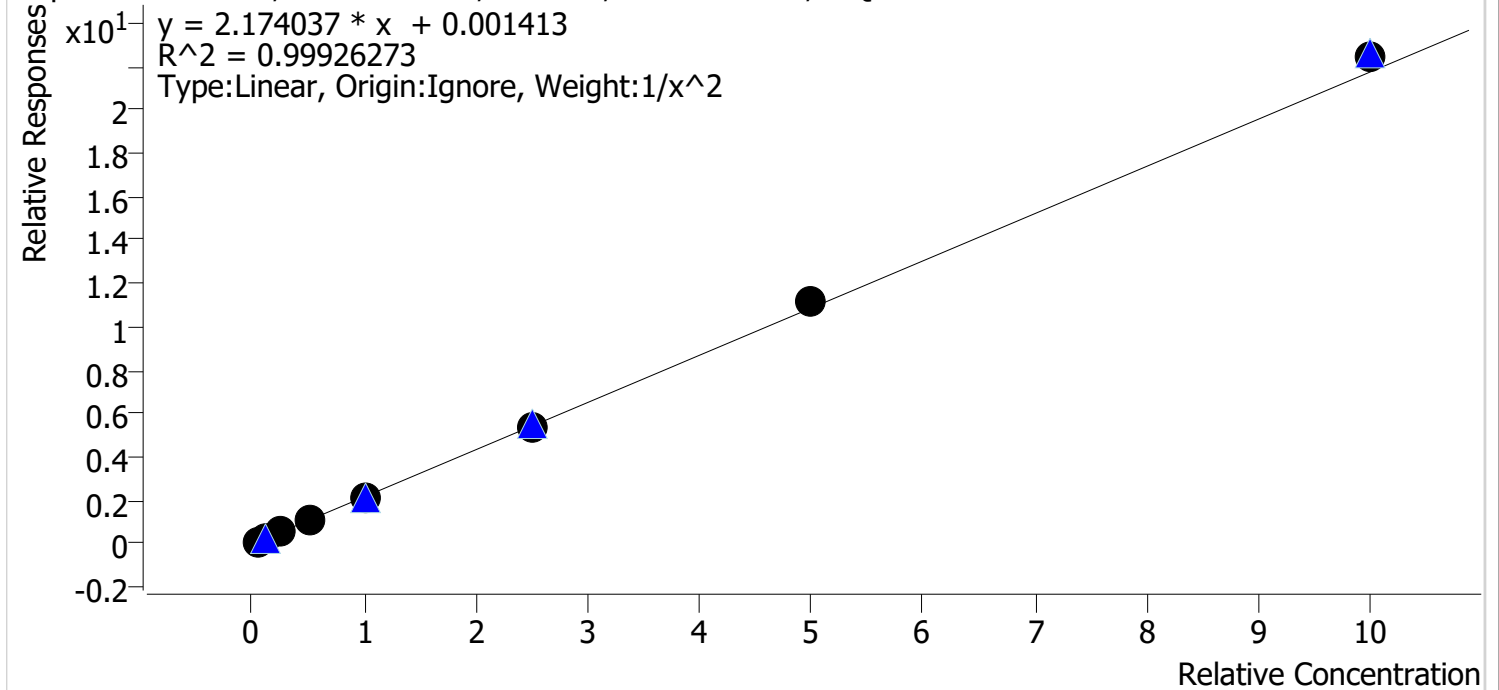
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Last Cal. Update 5/22/2020 8:05 AM
Analyst Name ISP\datastor
Analyte Zolpidem

BW

Internal Standard Zolpidem-D6

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



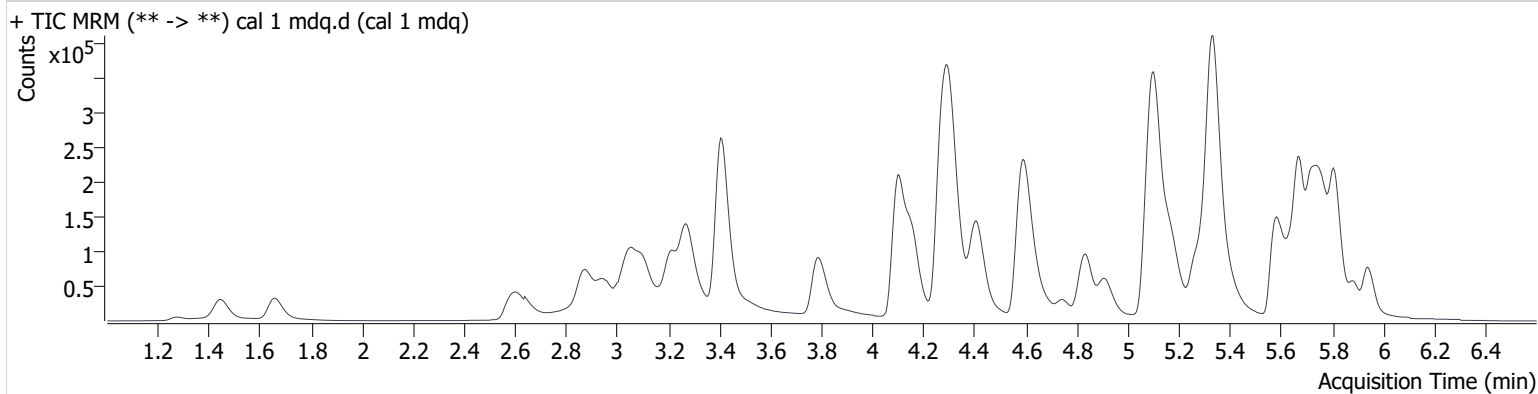
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	511.1	102.2
cal 8 mdq	8	✓	1000.0	1035.9	103.6

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 7:27:13 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	925	313.8	67.7	1453.4	49165	0.506 ng/ml
7-aminoclonazepam	4.307	19018	2106.1	77.1	1211.9	156608	4.913 ng/ml
a-hydroxyalprazolam	5.705	3578	277.0	54.7	1664.7	30192	5.086 ng/ml
alpha-PVP	4.417	48114	3782.3	52.5	130.6	404017	5.349 ng/ml
Alprazolam	5.779	26211	1277.9	93.0	417.0	147484	5.204 ng/ml
Amphetamine	3.112	94476	1493.5	57.1	815.8	240064	4.916 ng/ml
Benzoylcegonine	3.909	1226	146.5	5.2 Low	3.7 Low	7968	7.887 ng/ml
Buprenorphine	5.987	428	9.6 Low	15.1	77.4	37254	1.009 ng/ml
Bupropion	4.852	43232	2523.1	60.2	547.8	327989	4.973 ng/ml
Carisoprodol	5.729	22636	959.6	69.3	399.5	226844	4.822 ng/ml
Citalopram	5.270	30663	537.9	38.1	700.1	249170	4.989 ng/ml
Clonazepam	5.623	17907	1197.1	36.3	3174.1	64528	4.903 ng/ml
Cocaine	4.311	41831	1300.2	45.6	355.3	617664	5.151 ng/ml
Codeine	2.658	5006	1716.1	107.1	4311.9	49580	4.984 ng/ml
Cyclobenzaprine	5.651	24084	37300.1	9.7	2456.2	194334	4.592 ng/ml
Dextromethorphan	5.319	17902	25499.8	81.2	17443.3	168814	5.014 ng/ml
Dextrorphan	4.161	13157	554.6	214.2	1844.2	290038	5.210 ng/ml
Diazepam	5.950	15391	703.7	88.7	620.3	139952	4.870 ng/ml
Dihydrocodeine	2.627	13228	6144.8	70.1	1583.2	146950	4.927 ng/ml
Diphenhydramine	5.340	87798	13014.8	34.4	3213.1	926422	5.454 ng/ml
Doxylamine	4.609	111469	4023.7	95.4	9782.7	913146	5.039 ng/ml
EDDP	5.303	5440	138.9	272.8	238.2	121683	5.065 ng/ml
Fentanyl	5.187	2351	44.9	70.1	2339.8	291163	0.526 ng/ml
Fluoxetine	5.722	23187	6359.7	8.4	1769.2	188622	4.626 ng/ml
Hydrocodone	3.089	19058	182.4	38.7	42.2	216259	4.498 ng/ml
Hydromorphone	1.667	14802	1490.4	77.6	3649.0	118417	5.246 ng/ml
Ketamine	4.126	36643	261.6	34.1	25.5	338577	4.908 ng/ml
Lamotrigine	4.344	3827	167.5	93.8	891.4	338577	4.791 ng/ml
Lorazepam	5.752	14820	736.2	65.5	65.4	139952	4.207 ng/ml
Meprobamate	4.934	19851	225.4	29.1	364.6	168545	4.937 ng/ml
Methadone	5.675	52014	26988.0	57.2	937.0	481205	5.164 ng/ml
Methamphetamine	3.274	228431	∞	44.1	∞	307888	4.475 ng/ml
Metoprolol	4.364	8105	2405.9	103.4	430.4	913146	4.810 ng/ml

AM #28 Multi-Drug Quant. Results

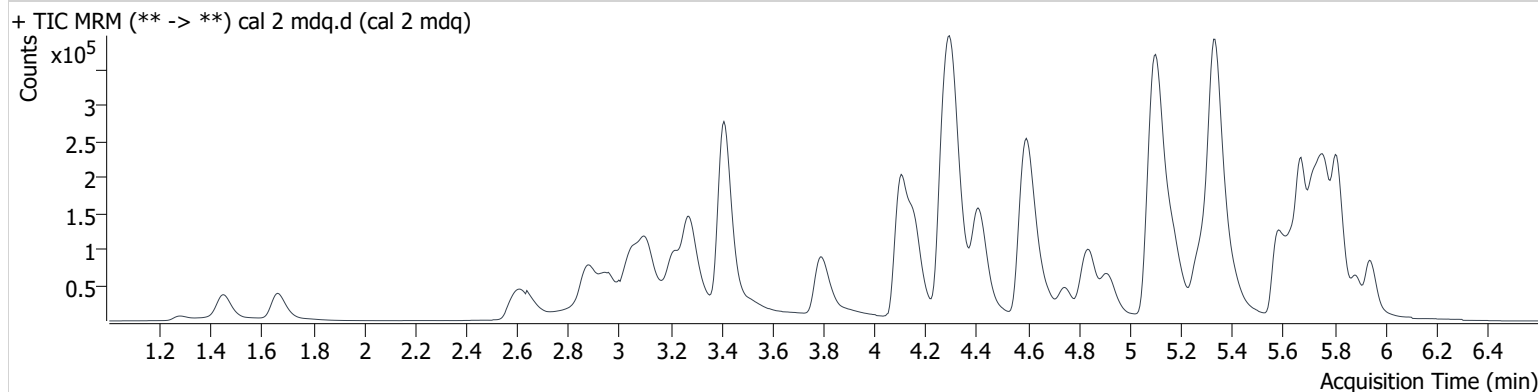
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	57150	5587.8	49.2	655.5	481205	5.178 ng/ml
Mitragynine	5.316	6406	9062.0	33.2	218.5	481205	5.211 ng/ml
Morphine	1.281	2158	101.8	25.1	167.3	3394	5.024 ng/ml
Norbuprenorphine	5.047	102	51.7	78.0	113.8	7078	0.484 ng/ml
Nordiazepam	5.894	14593	2245.2	59.5	11339.2	95853	5.017 ng/ml
Norfentanyl	4.126	687	42.7	289.0	79.5	470246	0.478 ng/ml
Norhydrocodone	3.125	506	318.4	38.3	86.3	50628	4.974 ng/ml
Noroxycodone	2.962	16454	452.2	47.0	2397.1	112090	4.854 ng/ml
O-desmethyl-tramadol	3.416	85401	3966.8	6.1	67.9	879120	5.364 ng/ml
Oxazepam	5.759	23837	512.7	72.7	246.2	270093	4.319 ng/ml
Oxycodone	2.900	23559	909.1	37.6	∞	313384	4.146 ng/ml
Oxymorphone	1.449	17479	1747.9	48.7	2731.5	129489	4.599 ng/ml
Phentermine	3.821	13590	56.2	6.3	26.1	337479	5.006 ng/ml
Promethazine	5.583	45485	2091.4	33.3	171.6	407168	5.127 ng/ml
Quetiapine	5.632	23380	40051.1	61.4	21221.6	68976	4.809 ng/ml
Sertraline	5.795	12934	842.5	97.3	1309.0	113162	5.255 ng/ml
Temazepam	5.821	43197	1241.7	28.6	104.3	406699	5.107 ng/ml
Tramadol	4.288	97982	29524.2	3.2	26.2	943399	4.997 ng/ml
Trazodone	5.383	41800	30312.7	78.7	49290.3	349013	5.111 ng/ml
Venlafaxine	5.085	77362	1377.6	35.1	56.6	766475	5.396 ng/ml
Zolpidem	5.132	83905	3829.1	28.5	4775.2	754202	5.052 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 7:38:03 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	1742	2090.4	70.7	526.4	48780	0.999 ng/ml
7-aminoclonazepam	4.302	36403	15031.4	77.0	1328.9	156033	10.108 ng/ml
a-hydroxyalprazolam	5.705	6238	416.9	57.6	299.2	30442	9.660 ng/ml
alpha-PVP	4.417	89410	4104.6	53.3	1145.0	390326	10.064 ng/ml
Alprazolam	5.779	47924	2281.6	95.3	1580.4	148074	9.748 ng/ml
Amphetamine	3.112	147493	1349.8	57.3	692.3	231172	10.019 ng/ml
Benzoylcegonine	3.909	2220	102.5	7.0	34.5	7991	12.187 ng/ml
Buprenorphine	5.992	737	61.1	7.4 Low	95.5	31626	1.452 ng/ml
Bupropion	4.852	78147	4178.9	62.4	1131.8	303824	10.075 ng/ml
Carisoprodol	5.729	43659	1643.3	68.9	675.9	220959	10.059 ng/ml
Citalopram	5.270	49591	1310.5	39.6	3745.9	217055	9.762 ng/ml
Clonazepam	5.623	34079	7672.1	35.8	5483.8	63295	10.148 ng/ml
Cocaine	4.311	77140	9701.0	45.8	3642.3	600796	10.018 ng/ml
Codeine	2.663	9983	635.0	98.4	1417.7	49106	10.097 ng/ml
Cyclobenzaprine	5.651	35190	53352.7	9.5	419.0	141270	9.992 ng/ml
Dextromethorphan	5.319	29638	379.5	75.5	6957.7	140650	10.068 ng/ml
Dextrorphan	4.161	24011	1954.1	212.3	995.6	278901	9.943 ng/ml
Diazepam	5.950	29507	2499.3	85.4	805.2	137917	9.921 ng/ml
Dihydrocodeine	2.627	24578	1660.2	68.3	1365.6	143095	10.045 ng/ml
Diphenhydramine	5.340	143682	380.4	35.5	233.8	820053	9.911 ng/ml
Doxylamine	4.609	206366	74672.0	93.6	24328.9	875199	9.895 ng/ml
EDDP	5.303	10486	5372.5	251.3	1450.1	124198	9.794 ng/ml
Fentanyl	5.177	4287	100.6	65.8	4752.3	238004	1.041 ng/ml
Fluoxetine	5.727	30712	77903.6	8.1	2019.9	128046	9.749 ng/ml
Hydrocodone	3.089	34044	39.3	41.7	37.2	208682	9.459 ng/ml
Hydromorphone	1.672	30214	6125.2	67.8	50.9	119476	10.356 ng/ml
Ketamine	4.126	70135	2336.6	34.2	297.5	333889	10.148 ng/ml
Lamotrigine	4.349	7615	199.0	86.1	1590.5	333889	10.652 ng/ml
Lorazepam	5.752	28815	1864.0	59.3	167.2	137917	10.508 ng/ml
Meprobamate	4.934	37803	1159.3	29.5	633.9	165893	10.099 ng/ml
Methadone	5.675	84276	2165.1	56.8	2417.5	413990	10.133 ng/ml
Methamphetamine	3.279	254762	∞	40.6	∞	278085	11.983 ng/ml
Metoprolol	4.364	15894	4544.3	99.5	1261.8	875199	10.513 ng/ml

AM #28 Multi-Drug Quant. Results

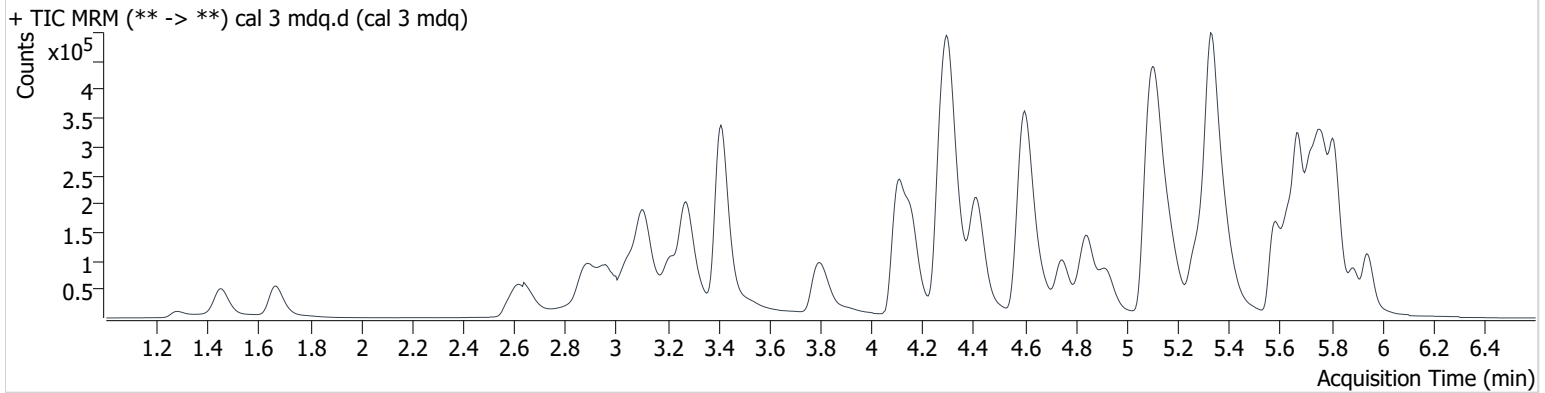
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	97957	6488.7	50.5	1305.6	413990	9.844 ng/ml
Mitragynine	5.321	9185	1053.7	43.9	5133.8	413990	8.934 ng/ml
Morphine	1.286	4196	1652.5	26.5	65.0	3512	9.918 ng/ml
Norbuprenorphine	5.037	140	30.8	99.5	265.1	5858	1.007 ng/ml
Nordiazepam	5.894	27893	3346.8	59.2	2442.2	94922	9.850 ng/ml
Norfentanyl	4.121	1230	20.0	299.8	108.4	422888	1.014 ng/ml
Norhydrocodone	3.130	1048	362.6	35.1	52.5	47431	10.484 ng/ml
Noroxycodone	2.967	31398	387.2	46.3	1337.9	110693	9.871 ng/ml
O-desmethyl-tramadol	3.416	161120	13021.5	6.8	596.5	865267	10.139 ng/ml
Oxazepam	5.759	46379	1120.5	67.8	74.2	256632	10.002 ng/ml
Oxycodone	2.900	61032	851.2	33.4	1786.2	307544	10.719 ng/ml
Oxymorphone	1.454	33856	2158.5	49.3	3480.6	132076	9.648 ng/ml
Phentermine	3.821	26110	63.4	6.5	76.5	320298	9.946 ng/ml
Promethazine	5.583	64524	1280.5	33.2	437.6	301308	9.894 ng/ml
Quetiapine	5.632	43875	3702.6	60.7	51207.1	61896	10.554 ng/ml
Sertraline	5.795	18218	912.0	92.0	32411.3	77950	10.443 ng/ml
Temazepam	5.821	80566	5567.6	29.7	365.1	399843	9.688 ng/ml
Tramadol	4.288	179659	11031.9	3.7	122.1	931893	9.970 ng/ml
Trazodone	5.383	70974	65274.8	79.9	8602.2	305496	9.745 ng/ml
Venlafaxine	5.085	139679	33106.6	37.6	290.5	741638	9.998 ng/ml
Zolpidem	5.132	158274	3444.0	28.0	421.0	726646	9.954 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 7:48:51 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.184	4017	5587.7	75.1	1454.8	49717	2.315 ng/ml
7-aminoclonazepam	4.307	87417	6371.8	78.7	7970.9	153188	25.773 ng/ml
a-hydroxyalprazolam	5.705	14750	1186.4	61.2	16277.9	30829	24.145 ng/ml
alpha-PVP	4.417	219317	11883.2	53.3	6050.6	383201	24.781 ng/ml
Alprazolam	5.774	113201	1877.5	98.0	2873.0	142565	24.393 ng/ml
Amphetamine	3.112	319395	4179.4	57.3	952.4	230247	25.657 ng/ml
Benzoylcegonine	3.909	5554	843.1	8.1	50.1	8517	25.179 ng/ml
Buprenorphine	5.997	1836	169.1	15.6	520.6	34259	2.590 ng/ml
Bupropion	4.852	191034	1318.4	62.6	346.2	305895	25.019 ng/ml
Carisoprodol	5.724	104432	1736.6	66.4	447.4	215873	25.384 ng/ml
Citalopram	5.270	120896	2635.5	39.1	2791.1	214147	24.981 ng/ml
Clonazepam	5.623	81265	14341.5	35.5	13819.2	62545	25.446 ng/ml
Cocaine	4.311	182931	7604.9	47.0	14399.8	587678	24.687 ng/ml
Codeine	2.663	23767	815.6	102.9	2142.3	48603	24.371 ng/ml
Cyclobenzaprine	5.651	92324	269287.4	8.7	6646.4	153740	25.154 ng/ml
Dextromethorphan	5.314	74215	1082.2	78.3	38323.6	147625	24.167 ng/ml
Dextrorphan	4.161	57303	24300.0	215.9	4472.9	267667	24.819 ng/ml
Diazepam	5.950	71329	3292.2	86.0	2326.6	134172	25.350 ng/ml
Dihydrocodeine	2.627	60623	4568.3	70.2	7725.1	143191	25.796 ng/ml
Diphenhydramine	5.340	353467	292.4	35.8	10715.3	818300	24.137 ng/ml
Doxylamine	4.609	500006	5355.3	94.5	79229.5	862351	24.586 ng/ml
EDDP	5.303	23230	20852.4	250.5	2085.6	111555	24.537 ng/ml
Fentanyl	5.187	11948	307.7	60.6	463.4	256164	2.526 ng/ml
Fluoxetine	5.722	92294	4966.2	7.7	2101.8	153784	25.538 ng/ml
Hydrocodone	3.089	85403	875.8	37.7	∞	206780	25.984 ng/ml
Hydromorphone	1.672	67419	6717.9	87.0	2079.1	116258	23.424 ng/ml
Ketamine	4.126	170267	9841.3	35.0	570.8	331243	25.790 ng/ml
Lamotrigine	4.349	17480	582.7	89.9	2380.0	331243	25.917 ng/ml
Lorazepam	5.752	65157	1722.9	64.5	316.3	134172	27.429 ng/ml
Meprobamate	4.934	92071	1504.7	28.9	1424.9	166404	25.358 ng/ml
Methadone	5.675	209034	9602.7	56.2	3279.8	434762	24.561 ng/ml
Methamphetamine	3.279	363856	∞	42.3	1049.9	294575	25.734 ng/ml
Metoprolol	4.364	37826	1113.4	98.2	1339.0	862351	26.302 ng/ml

AM #28 Multi-Drug Quant. Results

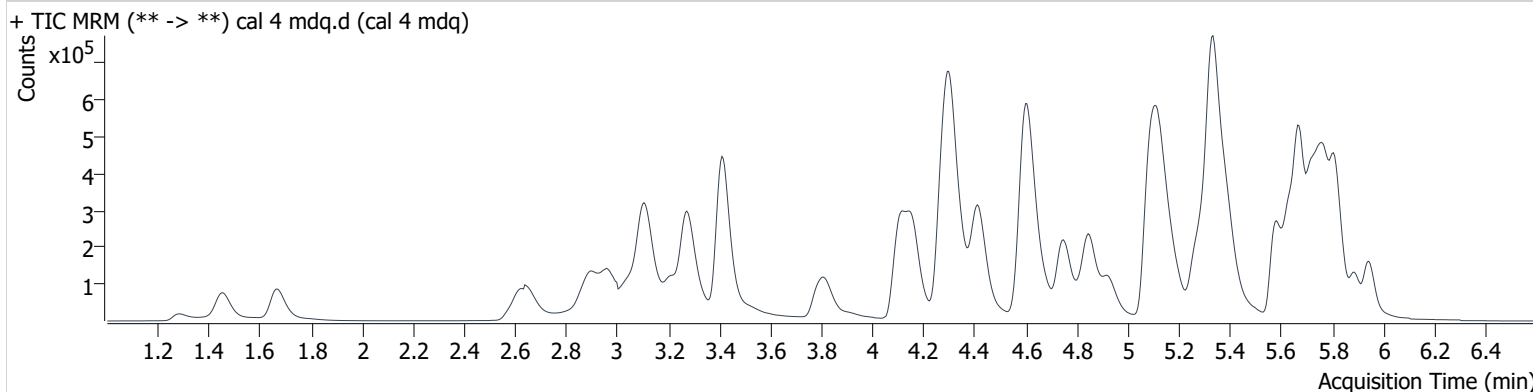
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	246068	1939.2	50.1	8593.0	434762	22.886 ng/ml
Mitragynine	5.316	26814	32416.4	35.8	13053.1	434762	25.500 ng/ml
Morphine	1.286	11057	4569.4	26.0	1032.4	3787	25.034 ng/ml
Norbuprenorphine	5.027	365	476.9	91.5	339.0	6482	2.779 ng/ml
Nordiazepam	5.894	67805	2679.5	57.3	7286.4	91219	25.190 ng/ml
Norfentanyl	4.121	3769	276.5	266.7	59.3	477521	2.859 ng/ml
Norhydrocodone	3.115	2456	1075.4	32.0	∞	48466	23.490 ng/ml
Noroxycodone	2.967	76130	1973.2	46.5	1620.7	110628	24.699 ng/ml
O-desmethyl-tramadol	3.416	387160	7346.1	6.7	2940.0	854170	24.457 ng/ml
Oxazepam	5.759	109662	4040.5	67.8	1833.1	251960	25.643 ng/ml
Oxycodone	2.900	148805	2838.1	32.6	3106.5	307252	25.961 ng/ml
Oxymorphone	1.454	84279	2575.7	48.9	7357.8	133610	25.228 ng/ml
Phentermine	3.826	65485	95.4	5.7	184.7	324965	24.317 ng/ml
Promethazine	5.583	166544	5166.5	32.2	1122.4	313681	24.637 ng/ml
Quetiapine	5.632	108119	64519.1	58.5	1809.6	63287	26.078 ng/ml
Sertraline	5.795	49318	2516.6	97.2	66135.3	89091	24.338 ng/ml
Temazepam	5.821	198201	7008.9	28.8	465.6	392239	24.294 ng/ml
Tramadol	4.288	426177	6544.8	3.6	103.3	920832	25.072 ng/ml
Trazodone	5.383	181599	1218.5	80.5	1526.9	318546	23.651 ng/ml
Venlafaxine	5.085	333231	26665.5	38.0	2047.2	717539	24.531 ng/ml
Zolpidem	5.132	380215	7881.6	28.5	4855.1	721228	24.184 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 7:59:41 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	9090	1142.8	68.7	30426.7	50754	5.185 ng/ml
7-aminoclonazepam	4.302	167155	11307.9	77.3	15040.0	145810	52.509 ng/ml
a-hydroxyalprazolam	5.705	27942	1057.4	63.0	33151.4	27367	52.872 ng/ml
alpha-PVP	4.417	451377	11757.1	53.1	2444.1	396088	49.100 ng/ml
Alprazolam	5.779	219713	573.2	98.5	2400.0	135166	50.281 ng/ml
Amphetamine	3.112	638692	10231.1	55.6	3497.7	238764	52.539 ng/ml
Benzoylcegonine	3.909	9996	492.8	8.9	636.0	7657	47.849 ng/ml
Buprenorphine	6.003	4353	280.7	16.6	979.5	38222	4.854 ng/ml
Bupropion	4.852	402624	12457.2	62.4	2349.9	319427	50.894 ng/ml
Carisoprodol	5.729	196198	4764.5	65.7	1822.6	203921	51.001 ng/ml
Citalopram	5.270	305562	10337.3	40.0	10985.7	270104	50.645 ng/ml
Clonazepam	5.623	155797	38935.8	35.5	6988.8	57872	53.447 ng/ml
Cocaine	4.311	383679	1258.7	46.9	14341.8	611274	50.065 ng/ml
Codeine	2.663	51327	4792.4	99.5	1279.7	49359	51.893 ng/ml
Cyclobenzaprine	5.651	216266	370051.6	9.6	21349.1	177625	51.774 ng/ml
Dextromethorphan	5.314	169561	5715.3	77.8	10371.0	162325	50.328 ng/ml
Dextrorphan	4.161	130412	214550.0	213.8	139050.1	303259	49.919 ng/ml
Diazepam	5.950	140858	1676.0	86.6	4275.6	132373	51.212 ng/ml
Dihydrocodeine	2.621	122616	21347.3	70.7	9971.3	144549	52.396 ng/ml
Diphenhydramine	5.340	846777	45291.1	34.8	112448.2	949921	49.595 ng/ml
Doxylamine	4.604	1066296	8081.6	95.0	166005.1	896829	50.598 ng/ml
EDDP	5.303	59188	7194.3	238.8	35895.6	138212	50.734 ng/ml
Fentanyl	5.187	25787	482.7	64.1	22635.2	285830	4.785 ng/ml
Fluoxetine	5.722	208041	243821.7	8.3	14215.1	173224	51.866 ng/ml
Hydrocodone	3.089	173489	2823.3	42.1	60.8	210703	53.122 ng/ml
Hydromorphone	1.672	155274	5142.9	78.1	3895.8	123411	50.526 ng/ml
Ketamine	4.126	338124	11885.4	35.5	1759.2	329868	52.086 ng/ml
Lamotrigine	4.349	34278	2299.6	90.3	6240.6	329868	51.974 ng/ml
Lorazepam	5.752	120091	5896.4	62.6	1154.5	132373	53.210 ng/ml
Meprobamate	4.934	178174	3525.2	30.0	1607.8	158493	52.125 ng/ml
Methadone	5.675	480129	444672.3	55.1	11560.4	496029	49.913 ng/ml
Methamphetamine	3.274	557205	∞	43.3	2027.4	304667	51.321 ng/ml
Metoprolol	4.364	77766	4109.6	96.8	9219.3	896829	52.623 ng/ml

AM #28 Multi-Drug Quant. Results

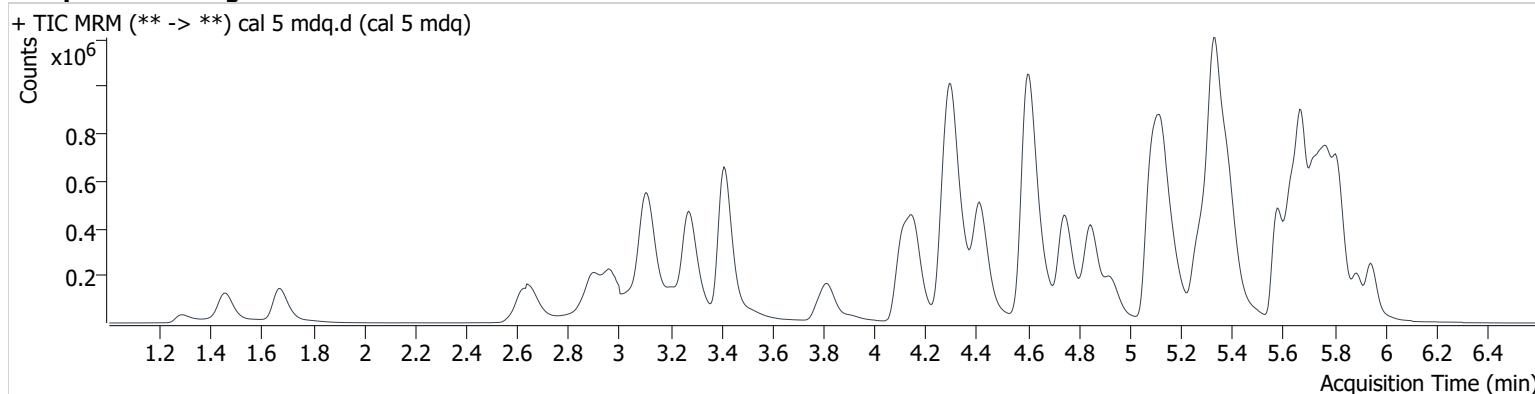
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	575521	8085.8	49.9	9543.1	496029	46.416 ng/ml
Mitragynine	5.316	62862	90430.4	36.2	34440.8	496029	52.792 ng/ml
Morphine	1.286	21538	4980.3	26.9	623.9	3913	47.688 ng/ml
Norbuprenorphine	5.042	781	1260.9	86.7	398.5	7422	5.461 ng/ml
Nordiazepam	5.894	135851	5015.1	57.3	5209.6	90065	51.301 ng/ml
Norfentanyl	4.121	7235	1245.2	291.1	499.0	487386	5.433 ng/ml
Norhydrocodone	3.120	4815	211.1	39.2	93.1	49114	45.046 ng/ml
Noroxycodone	2.967	156525	29.5	45.9	2653.0	111713	50.834 ng/ml
O-desmethyl-tramadol	3.416	787867	138251.8	6.5	3498.1	856948	49.449 ng/ml
Oxazepam	5.759	204004	5576.9	69.0	1560.6	230859	53.201 ng/ml
Oxycodone	2.900	303716	4220.7	32.5	2594.4	312608	51.941 ng/ml
Oxymorphone	1.454	171695	14958.4	49.2	812.0	133311	52.569 ng/ml
Phentermine	3.821	147708	219.6	5.9	188.9	336116	52.812 ng/ml
Promethazine	5.578	396709	358084.9	32.6	7741.9	364590	50.567 ng/ml
Quetiapine	5.632	247567	430164.9	59.9	6707.9	74183	51.376 ng/ml
Sertraline	5.795	113190	3744.0	95.9	2199.6	99253	49.832 ng/ml
Temazepam	5.821	388639	6645.1	28.9	869.8	371973	50.231 ng/ml
Tramadol	4.288	865625	161029.9	3.6	456.3	927688	51.372 ng/ml
Trazodone	5.389	443585	18108.7	77.2	90705.9	360026	50.905 ng/ml
Venlafaxine	5.085	693222	23718.8	37.5	175.4	737959	49.535 ng/ml
Zolpidem	5.132	770213	3604.3	29.1	2988.0	712071	49.688 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 8:10:30 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	17543	1942.5	70.7	2591.9	51371	9.926 ng/ml
7-aminoclonazepam	4.302	316269	9189.9	77.5	15321.0	142050	102.665 ng/ml
a-hydroxyalprazolam	5.700	51398	963.5	63.6	2217.3	26497	101.522 ng/ml
alpha-PVP	4.417	898564	35685.7	53.1	9753.4	396999	97.280 ng/ml
Alprazolam	5.779	419221	4853.1	97.7	11763.4	127769	101.828 ng/ml
Amphetamine	3.112	1342048	18940.9	50.2	5172.1	242096	112.415 ng/ml
Benzoylcegonine	3.909	20755	4183.7	7.4	1616.1	8127	91.162 ng/ml
Buprenorphine	5.997	9512	682.2	17.3	1378.2	41058	9.276 ng/ml
Bupropion	4.852	828924	33977.7	62.0	1551.7	338045	99.378 ng/ml
Carisoprodol	5.729	351126	9566.8	65.1	8543.1	187575	99.720 ng/ml
Citalopram	5.270	635210	9256.8	40.1	40770.8	282319	101.305 ng/ml
Clonazepam	5.623	289022	29885.9	35.8	268575.7	55392	104.224 ng/ml
Cocaine	4.306	740648	163061.9	46.6	2345.0	606604	97.653 ng/ml
Codeine	2.663	98551	1094.6	100.6	4138.2	49231	99.952 ng/ml
Cyclobenzaprine	5.646	473685	791871.5	9.5	1549.1	198437	102.232 ng/ml
Dextromethorphan	5.314	358860	39229.8	76.1	87921.3	173733	99.623 ng/ml
Dextrorphan	4.161	255476	581378.6	215.3	62991.6	301087	98.558 ng/ml
Diazepam	5.950	269875	6761.1	87.1	13661.6	130478	99.989 ng/ml
Dihydrocodeine	2.621	241312	3218.6	71.3	7263.1	145388	103.200 ng/ml
Diphenhydramine	5.340	1746362	9237.5	34.6	1044.2	990488	97.895 ng/ml
Doxylamine	4.604	2195239	223925.7	94.3	176697.3	946440	98.873 ng/ml
EDDP	5.298	120509	40608.7	245.0	17530.8	144653	98.942 ng/ml
Fentanyl	5.182	59585	972.3	63.1	2823.5	327887	9.530 ng/ml
Fluoxetine	5.722	447605	390725.9	8.1	2511.5	188697	103.183 ng/ml
Hydrocodone	3.089	340190	1867.1	41.5	1445.3	211931	104.825 ng/ml
Hydromorphone	1.672	307894	4570.3	78.4	10945.2	125004	98.672 ng/ml
Ketamine	4.121	667542	11675.3	35.0	3123.2	334142	102.144 ng/ml
Lamotrigine	4.349	65877	3623.5	86.2	4884.0	334142	99.475 ng/ml
Lorazepam	5.752	206781	10845.5	63.2	1524.3	130478	94.646 ng/ml
Meprobamate	4.934	347763	1162.7	30.1	8242.5	159218	101.827 ng/ml
Methadone	5.675	1017101	125968.3	56.3	82846.6	528611	99.673 ng/ml
Methamphetamine	3.274	916463	∞	43.8	1867.1	315455	97.709 ng/ml
Metoprolol	4.359	150436	976.7	97.7	7113.8	946440	96.997 ng/ml

BW

AM #28 Multi-Drug Quant. Results

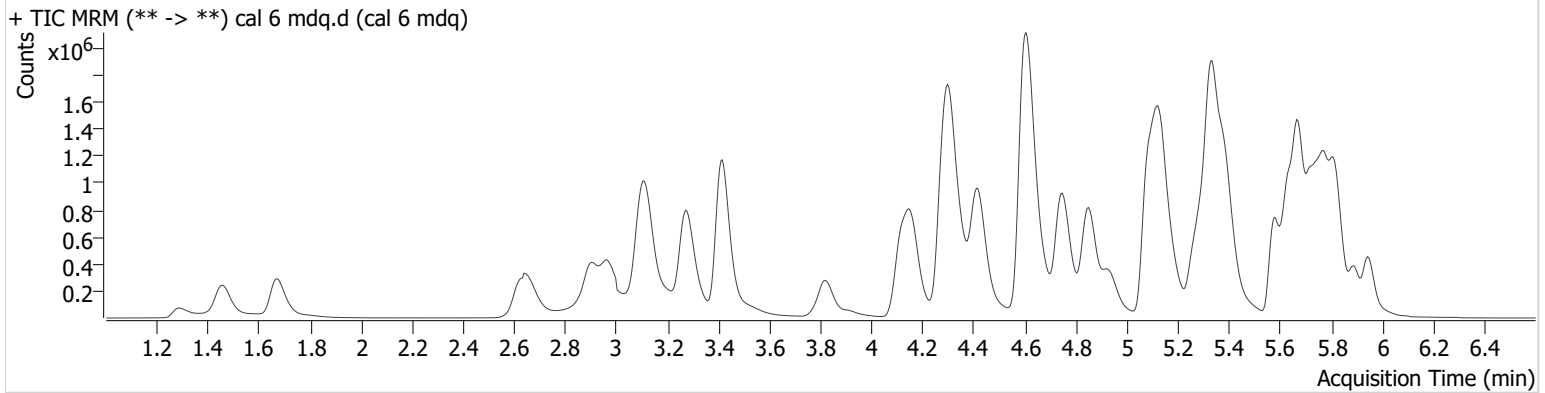
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	1209864	11831.6	49.5	14626.7	528611	91.100 ng/ml
Mitragynine	5.316	134011	6192.3	36.8	79853.2	528611	105.981 ng/ml
Morphine	1.286	44808	6445.5	25.6	2113.0	3634	107.515 ng/ml
Norbuprenorphine	5.037	1486	288.6	87.5	1146.3	8024	9.849 ng/ml
Nordiazepam	5.894	260582	35501.6	57.4	6179.4	88945	99.811 ng/ml
Norfentanyl	4.121	13648	171.9	294.4	361.5	488887	10.272 ng/ml
Norhydrocodone	3.120	9556	275.7	41.7	1257.3	42822	101.986 ng/ml
Noroxycodone	2.967	303947	5968.5	47.3	11691.0	109483	101.240 ng/ml
O-desmethyl-tramadol	3.416	1567617	7250.9	6.5	6580.8	875067	96.204 ng/ml
Oxazepam	5.759	370067	7416.8	66.8	3580.2	215809	104.276 ng/ml
Oxycodone	2.900	601157	5283.2	32.8	5629.5	315989	101.577 ng/ml
Oxymorphone	1.454	341001	7625.2	49.5	14117.2	136738	102.742 ng/ml
Phentermine	3.821	291451	810.7	5.8	438.9	340525	102.683 ng/ml
Promethazine	5.578	900864	10268.3	33.2	9039.8	424015	98.805 ng/ml
Quetiapine	5.632	507450	45474.0	62.4	322937.9	79409	98.794 ng/ml
Sertraline	5.795	244123	15481.6	95.2	209807.4	110875	95.940 ng/ml
Temazepam	5.821	743422	3840.1	28.5	2281.4	363730	98.262 ng/ml
Tramadol	4.282	1670710	50522.9	3.5	776.0	936907	98.915 ng/ml
Trazodone	5.383	927733	2971.1	78.4	91439.9	391714	97.686 ng/ml
Venlafaxine	5.085	1376784	11719.7	37.5	3413.2	748068	96.970 ng/ml
Zolpidem	5.132	1537304	15281.9	28.4	6793.4	727915	97.078 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 8:21:20 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	40304	8496.6	71.9	5791.8	47156	24.907 ng/ml
7-aminoclonazepam	4.307	631431	12149.2	76.8	14996.6	115819	252.445 ng/ml
a-hydroxyalprazolam	5.700	103076	6213.9	63.5	37395.1	21036	258.267 ng/ml
alpha-PVP	4.417	2006758	78427.2	53.6	25048.5	353877	243.363 ng/ml
Alprazolam	5.779	893877	2657.7	98.8	8598.2	112677	246.669 ng/ml
Amphetamine	3.112	2679754	6055.5	50.8	5687.3	212239	260.257 ng/ml
Benzoylcegonine	3.909	48522	2191.4	7.5	5810.4	7668	222.116 ng/ml
Buprenorphine	5.997	19543	706.6	16.3	783.2	32550	23.124 ng/ml
Bupropion	4.852	1847408	9000.8	62.4	14068.3	298529	251.394 ng/ml
Carisoprodol	5.729	714523	25784.0	65.1	7000.5	151110	252.690 ng/ml
Citalopram	5.265	1150205	16938.3	40.3	670156.8	206981	251.063 ng/ml
Clonazepam	5.623	573924	34951.6	36.5	408289.6	45402	253.465 ng/ml
Cocaine	4.311	1578262	5869.8	46.0	30187.3	503330	251.229 ng/ml
Codeine	2.663	219563	3258.2	100.7	7537.8	44458	246.679 ng/ml
Cyclobenzaprine	5.646	801989	1635196.9	9.4	2651.7	135610	254.394 ng/ml
Dextromethorphan	5.314	685343	766566.7	76.0	16484.8	134469	245.969 ng/ml
Dextrorphan	4.161	536754	34388.3	213.8	170727.1	253326	246.202 ng/ml
Diazepam	5.950	596990	12098.4	87.6	9174.3	116567	248.275 ng/ml
Dihydrocodeine	2.627	558758	4342.0	70.7	7961.1	137832	253.079 ng/ml
Diphenhydramine	5.340	3431246	231990.0	34.3	59299.7	772665	246.260 ng/ml
Doxylamine	4.604	4936852	61141.5	95.0	351005.3	846971	248.731 ng/ml
EDDP	5.303	311651	2779.8	245.4	2281.0	148809	249.125 ng/ml
Fentanyl	5.187	115077	1631.2	64.4	6828.1	245511	24.413 ng/ml
Fluoxetine	5.722	754606	77130.1	8.3	86661.6	129515	254.550 ng/ml
Hydrocodone	3.084	727246	1363.6	42.0	1447.2	188147	254.293 ng/ml
Hydromorphone	1.672	696328	15032.0	78.5	32141.3	113222	246.001 ng/ml
Ketamine	4.126	1491654	8329.5	35.1	2462.2	303796	252.009 ng/ml
Lamotrigine	4.349	135588	2585.5	88.7	7935.8	303796	226.414 ng/ml
Lorazepam	5.747	345204	18392.9	61.0	1386.8	116567	178.831 ng/ml
Meprobamate	4.934	760827	147491.0	29.6	12786.7	141231	252.003 ng/ml
Methadone	5.675	1984449	85316.9	56.6	18573.9	417250	247.051 ng/ml
Methamphetamine	3.274	1612593	∞	41.0	∞	258361	241.502 ng/ml
Metoprolol	4.364	315341	290924.8	98.3	2754.8	846971	228.064 ng/ml

AM #28 Multi-Drug Quant. Results

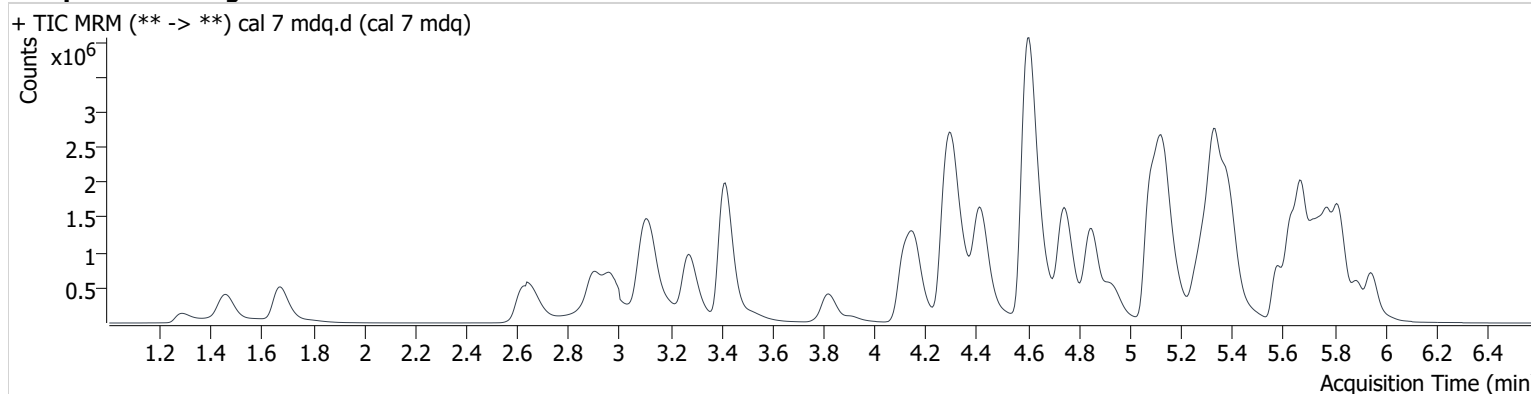
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	2483533	21679.5	49.4	10641.4	417250	236.154 ng/ml
Mitragynine	5.316	231314	398136.4	36.7	127170.0	417250	232.199 ng/ml
Morphine	1.291	102782	6677.8	26.6	6158.3	3683	244.022 ng/ml
Norbuprenorphine	5.042	2903	1478.8	100.2	1808.3	6731	23.337 ng/ml
Nordiazepam	5.894	565696	563972.3	55.8	53388.2	75871	254.294 ng/ml
Norfentanyl	4.121	30207	2947.2	289.4	2798.7	440813	25.307 ng/ml
Norhydrocodone	3.120	22665	288.3	40.9	467.0	37691	274.086 ng/ml
Noroxycodone	2.967	645609	7445.2	46.7	1338.5	92472	255.398 ng/ml
O-desmethyl-tramadol	3.416	3633370	29515.6	6.5	11738.7	796706	244.668 ng/ml
Oxazepam	5.754	660619	13531.5	69.9	2226.3	159343	253.676 ng/ml
Oxycodone	2.900	1384160	5071.0	32.6	6611.0	292326	252.607 ng/ml
Oxymorphone	1.454	771473	3208.9	49.1	5633.3	124138	257.552 ng/ml
Phentermine	3.826	627297	1442.3	5.7	1013.3	295253	254.623 ng/ml
Promethazine	5.578	1670306	375496.6	32.4	17532.5	308386	251.998 ng/ml
Quetiapine	5.632	1003963	1162298.7	60.8	947322.2	62210	250.190 ng/ml
Sertraline	5.795	397135	9714.4	95.2	420946.0	69294	249.260 ng/ml
Temazepam	5.821	1608850	62715.5	29.2	11925.7	312425	247.569 ng/ml
Tramadol	4.282	3718694	369547.8	3.5	2078.8	847163	244.676 ng/ml
Trazodone	5.389	1792054	17874.8	80.2	138943.3	296317	249.164 ng/ml
Venlafaxine	5.085	3070226	187302.7	37.6	7761.1	660631	244.737 ng/ml
Zolpidem	5.132	3476227	25421.6	28.4	16720.1	636788	251.035 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 8:32:09 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	81144	32145.1	72.5	6480.3	48049	49.255 ng/ml
7-aminoclonazepam	4.307	936148	3095.4	77.5	2832.1	90246	480.983 ng/ml
a-hydroxyalprazolam	5.700	165734	673.9	63.8	6499.7	18399	475.769 ng/ml
alpha-PVP	4.417	3717956	56191.1	53.3	23615.1	322697	494.198 ng/ml
Alprazolam	5.779	1543666	12475.3	98.2	556.9	96810	496.131 ng/ml
Amphetamine	3.117	4067365	28999.5	50.9	27630.5	184796	456.136 ng/ml
Benzoylcegonine	3.909	108547	2797.4	8.1	3209.8	7879	480.561 ng/ml
Buprenorphine	5.997	29712	2533.3	15.8	2682.8	21800	51.758 ng/ml
Bupropion	4.852	3168599	7833.5	62.4	24967.2	258884	497.591 ng/ml
Carisoprodol	5.729	1170114	63566.6	64.5	3185.6	127759	489.928 ng/ml
Citalopram	5.265	1707560	32236.4	39.6	794517.5	154676	499.336 ng/ml
Clonazepam	5.618	910448	19816.0	35.6	342782.4	37791	483.671 ng/ml
Cocaine	4.311	2816794	262448.0	46.4	254990.7	454800	496.498 ng/ml
Codeine	2.663	396276	9335.7	103.9	3327.9	40487	488.943 ng/ml
Cyclobenzaprine	5.646	792837	64150.9	9.8	1840.6	67088	509.108 ng/ml
Dextromethorphan	5.309	974228	117667.2	75.6	2797.2	93387	503.575 ng/ml
Dextrorphan	4.161	949246	1755427.4	215.3	118047.5	222027	496.850 ng/ml
Diazepam	5.950	1090836	24068.8	87.1	14396.8	105393	502.232 ng/ml
Dihydrocodeine	2.621	1077668	29064.7	70.9	11139.7	138490	486.441 ng/ml
Diphenhydramine	5.340	5321328	178257.0	34.5	95509.0	602129	489.875 ng/ml
Doxylamine	4.604	9903283	278817.8	93.8	52809.3	837056	505.042 ng/ml
EDDP	5.298	742568	179877.7	240.2	109993.4	175123	504.657 ng/ml
Fentanyl	5.182	159392	1389.2	63.6	15955.3	165985	49.904 ng/ml
Fluoxetine	5.722	644563	11353.5	8.3	70644.8	56334	500.616 ng/ml
Hydrocodone	3.084	1351689	1735.2	40.3	1394.4	178513	499.419 ng/ml
Hydromorphone	1.672	1349999	1517.5	78.5	18390.2	109881	491.180 ng/ml
Ketamine	4.121	2751816	32268.6	35.2	5863.1	290048	487.561 ng/ml
Lamotrigine	4.349	215645	5751.0	89.4	4611.6	290048	377.810 ng/ml
Lorazepam	5.747	424801	4772.1	61.3	2302.5	105393	244.216 ng/ml
Meprobamate	4.934	1322782	7460.9	29.6	5456.7	126686	488.990 ng/ml
Methadone	5.675	2988610	16387.2	56.4	50957.6	320530	484.775 ng/ml
Methamphetamine	3.274	1933686	∞	41.0	∞	173129	453.864 ng/ml
Metoprolol	4.364	524438	14959.6	98.0	24247.4	837056	384.220 ng/ml

AM #28 Multi-Drug Quant. Results

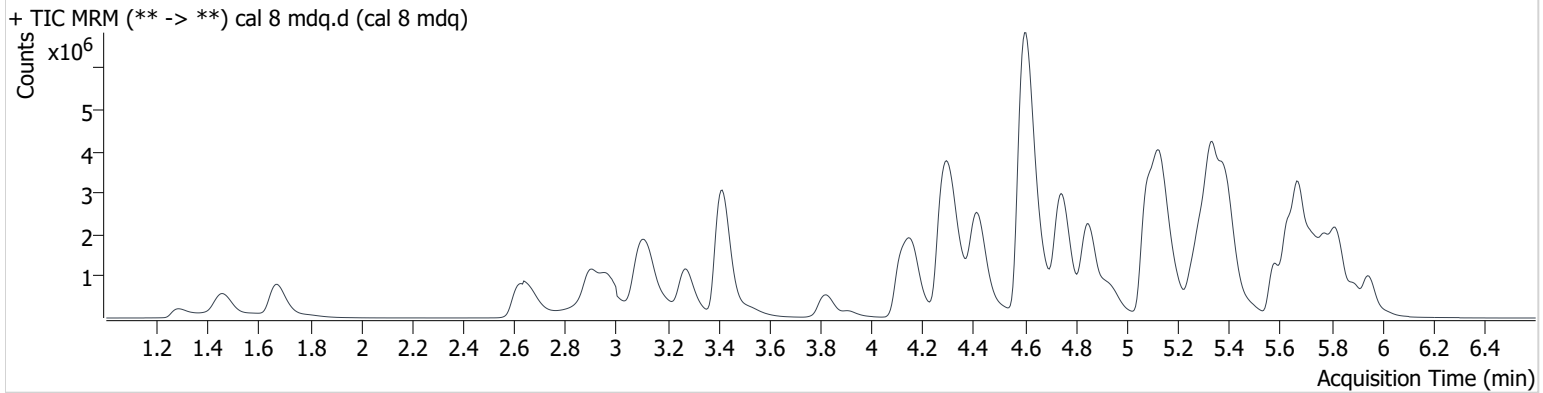
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.748	4434310	16194.1	49.0	9398.4	320530	548.251 ng/ml
Mitragynine	5.316	280982	6045.0	37.8	75426.5	320530	367.384 ng/ml
Morphine	1.286	202303	21146.2	26.4	1322.5	3268	542.021 ng/ml
Norbuprenorphine	5.032	4175	10119.1	97.4	718.6	4792	47.460 ng/ml
Nordiazepam	5.894	946977	29640.4	57.0	95957.3	65440	493.704 ng/ml
Norfentanyl	4.116	50344	1862.7	285.6	9893.6	392395	47.436 ng/ml
Norhydrocodone	3.120	49611	3747.1	40.4	936.2	33678	670.822 ng/ml
Noroxycodone	2.967	1119178	17014.9	46.6	2111.5	80306	510.336 ng/ml
O-desmethyl-tramadol	3.417	7136121	507868.9	6.4	11733.0	772245	495.602 ng/ml
Oxazepam	5.754	876282	46160.0	68.8	6336.2	107496	499.852 ng/ml
Oxycodone	2.900	2732162	12575.0	32.9	15355.4	290121	502.269 ng/ml
Oxymorphone	1.454	1462768	34534.4	49.1	8888.0	119216	509.487 ng/ml
Phentermine	3.821	1043105	1964.8	5.7	1378.0	253882	492.224 ng/ml
Promethazine	5.578	1896129	56979.1	32.8	3525.3	178859	493.303 ng/ml
Quetiapine	5.632	1792632	13538.5	61.3	1454519.6	55522	500.994 ng/ml
Sertraline	5.795	315190	8749.6	95.3	8859.4	28960	473.101 ng/ml
Temazepam	5.821	2814015	133574.3	28.9	4280.4	265887	508.809 ng/ml
Tramadol	4.277	6840066	123463.8	3.4	4932.0	808643	472.241 ng/ml
Trazodone	5.383	3234569	25525.5	78.7	20448.9	250038	532.763 ng/ml
Venlafaxine	5.080	5756702	307993.3	37.0	74788.0	616570	491.592 ng/ml
Zolpidem	5.133	6728220	37096.2	28.1	17607.3	605437	511.104 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 5-21-20\QuantResults\mdq.batch.bin
Calibration Last Update 5/22/2020 8:05:33 AM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	5/21/2020 8:53:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.189	153293	6600.1	72.1	19414.3	42520	105.198 ng/ml
7-aminoclonazepam	4.307	1110366	40179.5	77.0	1165.4	55574	927.087 ng/ml
a-hydroxyalprazolam	5.700	213835	1168.4	63.7	2629.9	11380	993.733 ng/ml
alpha-PVP	4.419	6203434	5740.0	52.4	76634.0	261865	1015.864 ng/ml
Alprazolam	5.779	2291970	6346.9	97.0	10825.5	70930	1005.746 ng/ml
Amphetamine	3.117	5414473	14666.2	50.6	59376.6	130871	860.305 ng/ml
Benzoylcegonine	3.909	229967	2914.9	8.2	2151.2	7575	1055.947 ng/ml
Buprenorphine	5.997	52106	41882.4	15.9	11912.4	17790	110.568 ng/ml
Bupropion	4.852	5568727	8919.2	62.5	32473.7	230010	984.665 ng/ml
Carisoprodol	5.729	1563525	13317.9	65.8	15078.9	83151	1006.396 ng/ml
Citalopram	5.265	2857662	24722.6	39.9	22388.9	129601	997.919 ng/ml
Clonazepam	5.618	1073753	4936.0	34.9	399872.4	24119	894.364 ng/ml
Cocaine	4.311	4449960	123270.7	46.2	213883.2	355162	1004.699 ng/ml
Codeine	2.668	636871	16945.3	101.9	3602.9	31295	1016.655 ng/ml
Cyclobenzaprine	5.646	1106145	3199.2	9.7	9435.1	48523	982.755 ng/ml
Dextromethorphan	5.309	1551285	1801.0	75.3	6478.4	72724	1029.786 ng/ml
Dextrorphan	4.161	1558468	3076918.2	215.1	591859.5	179599	1008.499 ng/ml
Diazepam	5.950	1724151	6669.0	86.7	12003.3	83857	998.151 ng/ml
Dihydrocodeine	2.616	1821012	185157.8	71.2	9273.2	124754	913.100 ng/ml
Diphenhydramine	5.341	8732087	1088194.8	33.9	19509.5	475898	1016.871 ng/ml
Doxylamine	4.604	17786609	95733.3	94.0	96707.8	749301	1013.477 ng/ml
EDDP	5.298	1456122	247517.1	243.1	23886.3	170577	1016.237 ng/ml
Fentanyl	5.187	300483	9603.4	66.1	5456.5	154022	101.275 ng/ml
Fluoxetine	5.722	801880	1671604.8	8.4	95644.1	35470	989.872 ng/ml
Hydrocodone	3.079	2351703	8234.8	43.2	5267.8	157138	988.399 ng/ml
Hydromorphone	1.672	2343728	5492.9	78.4	14385.6	92327	1014.595 ng/ml
Ketamine	4.121	4401086	78373.4	34.8	2984.5	244451	925.820 ng/ml
Lamotrigine	4.355	249779	7499.4	88.8	4989.4	244451	519.603 ng/ml
Lorazepam	5.747	425418	22928.2	62.5	3996.3	83857	307.968 ng/ml
Meprobamate	4.934	2039015	347197.9	29.4	61406.6	101465	941.661 ng/ml
Methadone	5.675	5467562	57624.6	56.0	181252.2	279184	1018.730 ng/ml
Methamphetamine	3.274	2368421	6614.8	40.5	3756.8	108248	915.463 ng/ml
Metoprolol	4.364	742933	463931.9	97.6	100525.1	749301	608.416 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.747	8346176	23659.8	48.9	82797.9	279184	1184.177 ng/ml
Mitragynine	5.316	391908	13675.9	38.1	149320.2	279184	588.531 ng/ml
Morphine	1.286	327221	8951.9	28.5	9279.3	3139	913.038 ng/ml
Norbuprenorphine	5.037	7210	16325.3	102.0	11702.4	4131	95.394 ng/ml
Nordiazepam	5.899	1342763	75822.6	57.7	1171574.9	46979	975.321 ng/ml
Norfentanyl	4.116	73140	15350.5	292.2	849.3	333147	81.217 ng/ml
Norhydrocodone	3.120	105895	3464.1	42.5	1025.1	28611	1684.798 ng/ml
Noroxycodone	2.967	1636842	8808.0	46.7	871.3	61021	982.768 ng/ml
O-desmethyl-tramadol	3.416	12489479	1004965.9	6.3	47793.3	660408	1014.117 ng/ml
Oxazepam	5.754	900079	10099.3	68.5	5453.8	55864	989.032 ng/ml
Oxycodone	2.900	4817430	10155.3	32.8	5921.5	259291	990.779 ng/ml
Oxymorphone	1.454	2403608	5529.1	49.2	21297.9	102130	978.174 ng/ml
Phentermine	3.826	1544591	2698.9	5.5	3687.4	195685	945.465 ng/ml
Promethazine	5.578	3135515	3883210.9	32.7	20417.7	145092	1005.668 ng/ml
Quetiapine	5.627	3185857	5625161.3	60.9	2635746.6	53676	921.370 ng/ml
Sertraline	5.795	369070	11065.3	94.1	83614.3	15543	1031.830 ng/ml
Temazepam	5.827	4053966	84742.1	28.7	20101.6	186888	1042.853 ng/ml
Tramadol	4.277	10993568	878756.0	3.4	1890.3	579060	1060.937 ng/ml
Trazodone	5.383	6122275	602875.5	78.9	409945.1	212950	1183.793 ng/ml
Venlafaxine	5.080	9572093	1107461.3	36.4	51087.7	495403	1017.242 ng/ml
Zolpidem	5.132	11202227	77504.9	28.0	19791.6	497367	1035.936 ng/ml