

APPROVED

By Anne Nord at 8:34 am, Apr 21, 2020

4/20/2020




BWylee

Worklist: 4174

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-0606	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0607	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0608	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0612	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0631	1	UCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0637	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0665	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0669	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0673	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0677	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0697	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Bylee

Worklist: 4178

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-0676	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0676	2	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-0676	3	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Byyle

Extraction Date 4/17/2020

Analyst: Britany Wylie

Plate lot#: 190729 (part IDP-111)

Plate Expiration: 1/29/20

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

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

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

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS: *Diphenhydramine reported qualitatively*

Curves limited to- 1-100 (6-MAM);

2.5-100 (Buprenorphine and Norbuprenorphine);

5-100 (Lorazepam);

5-250 (Lamotrigine, norhydrocodone)

5-500 (Amphetamine, meprobamate, Metoprolol, Mitragnine);

10-1000 (Carisoprodol) 10-1000 (Benzoyllecgonine)

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

01/13/2020

Forensic Scientist

Celena Shrum

Analytical Methods

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

Deviation

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

*MDS (batch IDP-107-190725)- Expiration is 1/25/2020

~~*THC (batch IDP-108-190716)- Expiration is 1/16/2020~~

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

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

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

Celena Shrum

Date: 01/13/2020

Celena Shrum

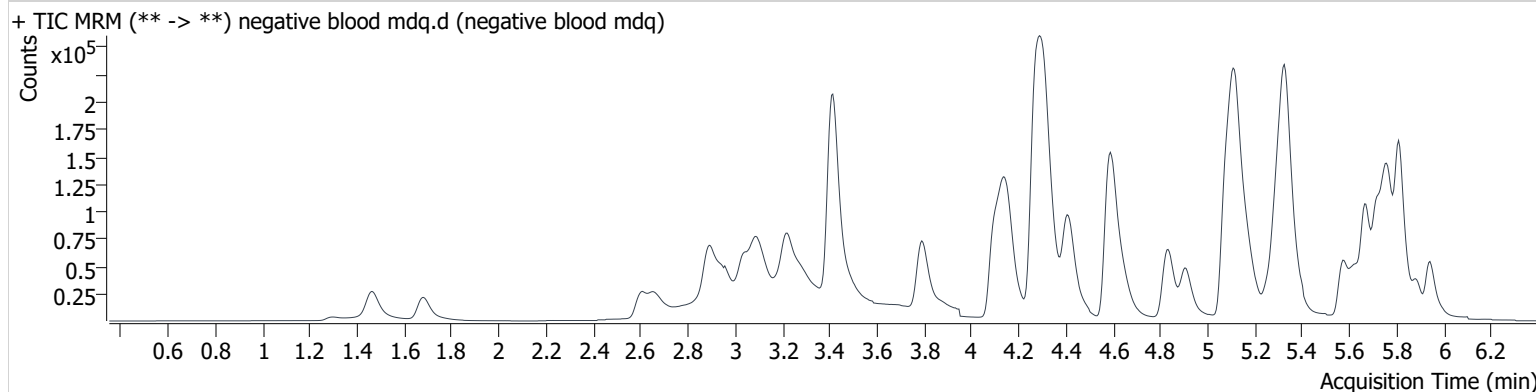
Toxicology Discipline Lead

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 7:00:30 PM		
Sample Info.			

Sample Chromatogram



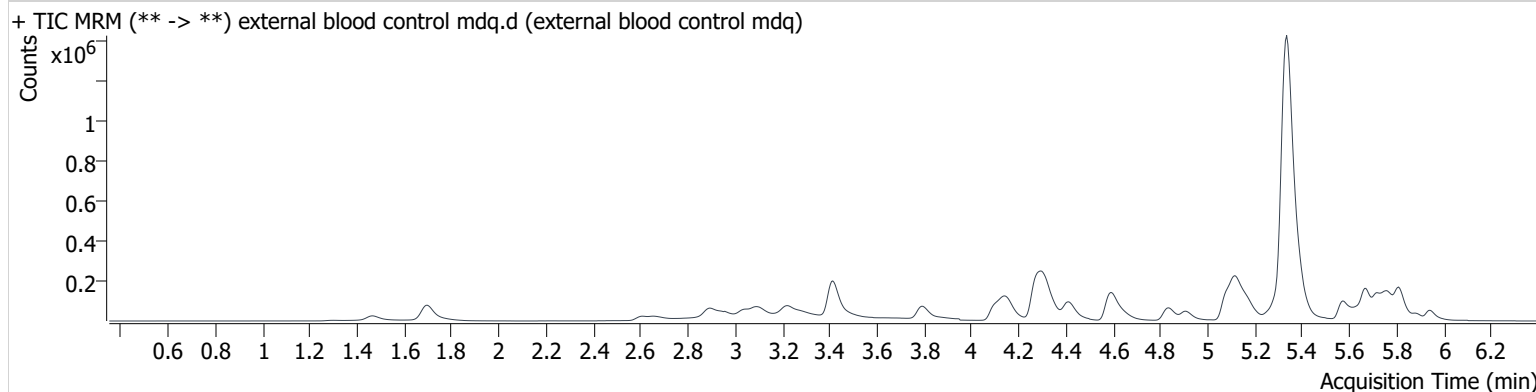
Wylie

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	external blood control mdq.d
Type	Sample	Sample	external blood control mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 7:11:20 PM		
Sample Info.			

Sample Chromatogram



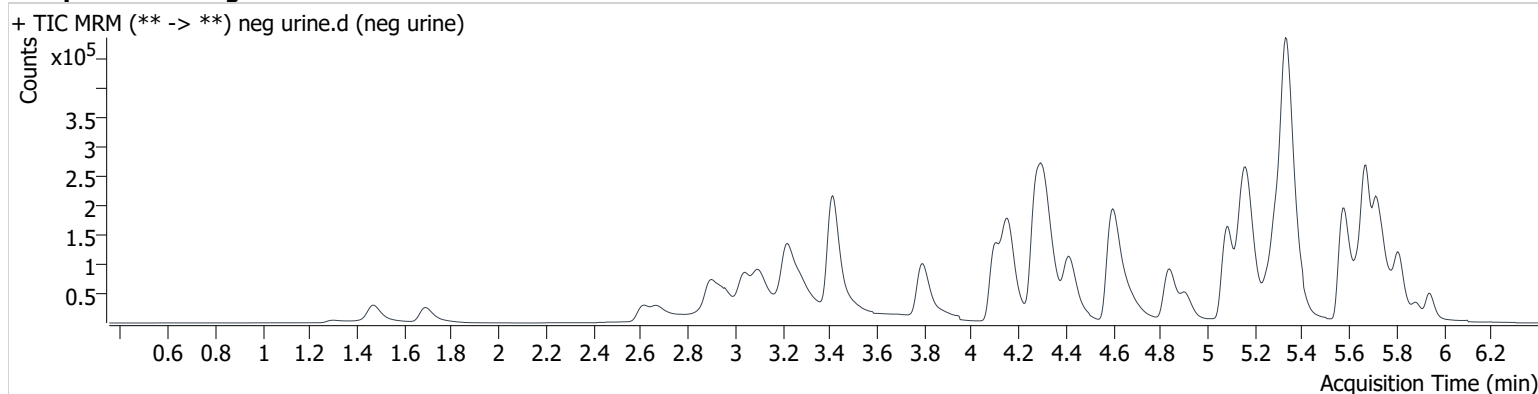
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.337	3342781	2965.7	34.2	12568.6	587612	321.329 ng/ml
Hydromorphone	1.698	156228	340034.8	73.2	39995.2	72647	82.085 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	neg urine.d
Type	Sample	Sample	neg urine
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A4	Comment	
Injection Volume	2		
Acq. Date-Time	4/18/2020 2:54:13 AM		
Sample Info.			

Sample Chromatogram

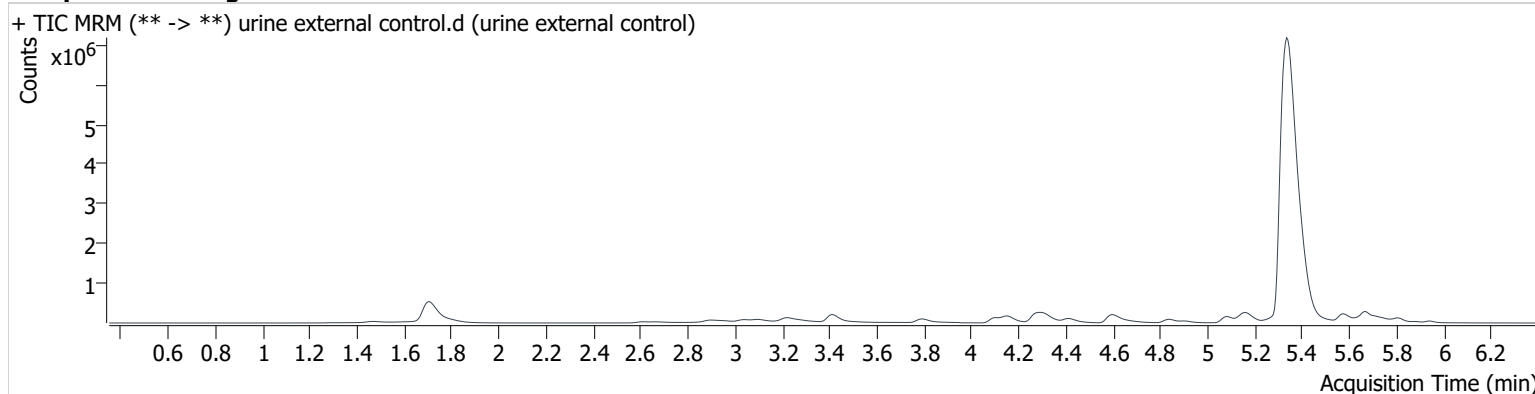


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	urine external control.d
Type	Sample	Sample	urine external control
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B4	Comment	
Injection Volume	2		
Acq. Date-Time	4/18/2020 3:15:43 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.337	26891530	1740993.8	33.3	655113.6	605558	2510.282 ng/ml
Hydromorphone	1.708	1548811	1461101.9	73.8	735723.4	101849	579.485 ng/ml
Morphine	1.383	1071	5047.8	56.1 High	0.4 Low	7388	0.970 ng/ml <10

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh Hydromorphone, Diphenhydramine, Nortriptyline, Chlordiazepoxide

Stock solution 1mg/ml 50 ul each in 4800ul meOH

ppd 4/17/20: Exp: 6/1/20 lot 41720 by baw

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

AM 25/28 control 500 ul working solution (41720) in 4500 ul negative urine (500ng/mL Expected concentration)

ppd 4/17/20, exp 6/1/20 lot u32420 negative urine 41520 by BAW

AM 25/28 Blood Control: 50ul working solution (4172020) in 4950 ul neg blood (100ng/mL Expected concentration)

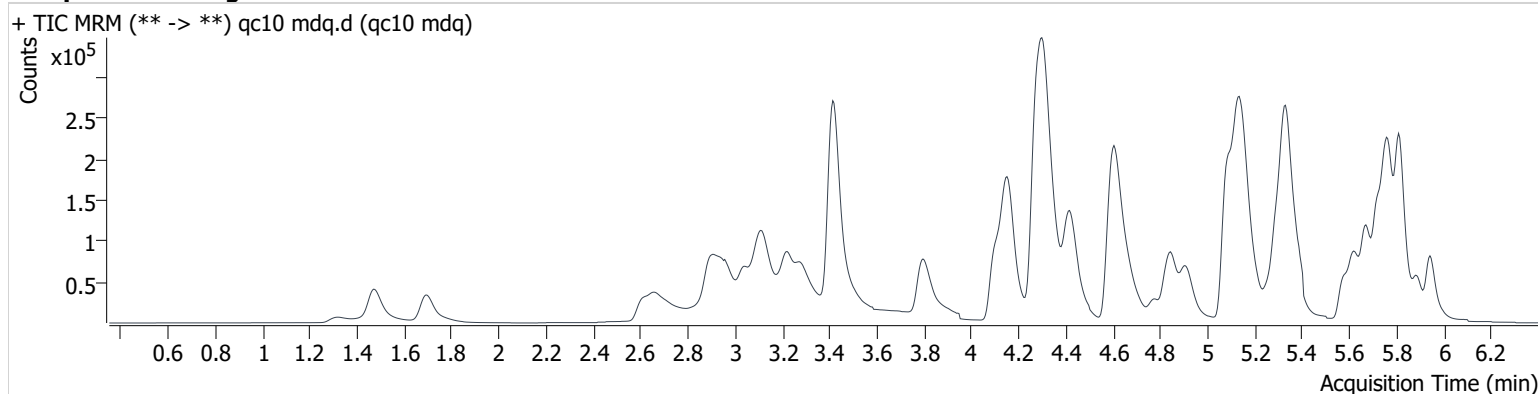
ppd 4/17/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 9:31:20 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	1646	558.1	72.7	5517.4	44417	1.026 ng/ml
7-aminoclonazepam	4.308	34595	3264.6	84.2	376.8	152411	9.984 ng/ml
a-hydroxyalprazolam	5.704	6718	2844.2	60.1	7503.4	34379	10.430 ng/ml
alpha-PVP	4.433	83610	7366.7	53.2	1841.2	362137	10.024 ng/ml
Alprazolam	5.777	47810	556.5	111.7	612.6	163914	10.102 ng/ml
Amphetamine	3.122	77466	1304.8	63.6	650.0	162305	9.243 ng/ml
Benzoylcegonine	3.906	2032	434.0	8.4	62.4	7854	9.903 ng/ml
Buprenorphine	5.842	563	91.2	16.1	161.2	17660	1.331 ng/ml *
Bupropion	4.860	63713	2224.1	60.5	1327.9	252310	10.172 ng/ml
Carisoprodol	5.729	45681	2094.2	69.7	468.0	212784	10.090 ng/ml
Citalopram	5.267	25515	995.4	45.3	2617.6	110159	9.867 ng/ml
Clonazepam	5.623	41274	728.4	34.1	2309.4	69600	9.889 ng/ml
Cocaine	4.317	69728	18095.0	46.9	2179.6	554577	9.888 ng/ml
Codeine	2.714	9414	219.2	108.3	519.9	47950	10.290 ng/ml
Cyclobenzaprine	5.646	16986	20829.2	10.1	267.5	56334	11.393 ng/ml
Dextromethorphan	5.311	13074	2912.3	73.4	984.6	56302	10.834 ng/ml
Dextrorphan	4.167	16080	13215.6	214.8	673.4	181110	10.302 ng/ml
Diazepam	5.948	30835	1872.8	87.6	4760.1	148576	10.062 ng/ml
Dihydrocodeine	2.652	23682	4089.7	64.5	145.2	133144	9.977 ng/ml
Diphenhydramine	5.337	83716	2785.2	34.6	1994.6	446359	10.324 ng/ml
Doxylamine	4.615	185658	5241.9	95.9	4906.5	786431	9.935 ng/ml
EDDP	5.300	26384	1892.0	239.7	1870.7	296596	10.094 ng/ml
Fentanyl	5.184	2040	125.1	72.2	3269.4	99158	1.083 ng/ml
Fluoxetine	5.721	12947	1783.5	8.6	1893.3	41163	12.409 ng/ml
Hydrocodone	3.129	35552	972.5	38.6	318.5	198389	9.978 ng/ml
Hydromorphone	1.703	26743	1617.1	76.8	3279.0	107383	9.646 ng/ml
Ketamine	4.163	64876	9551.5	36.5	501.3	314632	10.095 ng/ml
Lamotrigine	4.360	7062	388.8	89.5	1730.4	314632	10.324 ng/ml
Lorazepam	5.751	30050	566.4	58.1	216.8	148576	10.028 ng/ml
Meprobamate	4.932	33478	6565.5	29.1	1350.0	160144	9.835 ng/ml
Methadone	5.674	45946	1643.0	47.6	4744.5	212020	10.623 ng/ml
Methamphetamine	3.284	87464	∞	40.1	88.4	195164	7.904 ng/ml
Metoprolol	4.364	13350	3204.7	101.8	3042.5	786431	10.162 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.778	62373	6786.0	46.0	1951.4	212020	10.043 ng/ml
Mitragynine	5.312	5705	542.0	42.2	5696.1	212020	11.127 ng/ml
Morphine	1.327	5279	64389.7	18.1	57.5	6304	9.923 ng/ml
Norbuprenorphine	5.019	44	2.6	50.5	88.2	3107	0.715 ng/ml *
Nordiazepam	5.892	27687	1879.1	61.3	3104.7	89898	10.069 ng/ml
Norfentanyl	4.122	7263	604.3	38.2	23.2	341100	0.994 ng/ml
Norhydrocodone	3.131	707	207.9	51.2	183.2	42949	10.111 ng/ml
Noroxycodone	2.977	32611	879.0	41.2	101.0	113901	10.280 ng/ml
O-desmethyl-tramadol	3.420	154694	370.6	6.6	628.8	810746	10.395 ng/ml
Oxazepam	5.758	48194	554.6	76.7	370.5	257900	9.842 ng/ml
Oxycodone	2.930	71094	1453.7	30.1	40.0	333454	10.399 ng/ml
Oxymorphone	1.480	38290	7616.8	45.1	1264.5	153722	9.588 ng/ml
Phentermine	3.828	21240	44.0	6.4	52.8	258416	9.950 ng/ml
Promethazine	5.578	25926	406.2	32.3	366.8	106592	11.175 ng/ml
Quetiapine	5.607	29041	784.0	62.0	2987.3	40814	10.348 ng/ml
Sertraline	5.788	7542	181.1	108.1	15110.4	29674	11.712 ng/ml
Temazepam	5.819	84302	2919.8	29.7	283.2	411469	10.150 ng/ml
Tramadol	4.289	175289	17837.7	3.6	52.5	876023	10.561 ng/ml
Trazodone	5.385	26699	16741.8	78.2	31981.5	158226	9.487 ng/ml
Venlafaxine	5.089	124096	3842.4	38.9	717.6	643829	10.254 ng/ml
Zolpidem	5.155	173593	16400.9	30.5	2667.5	736436	10.145 ng/ml

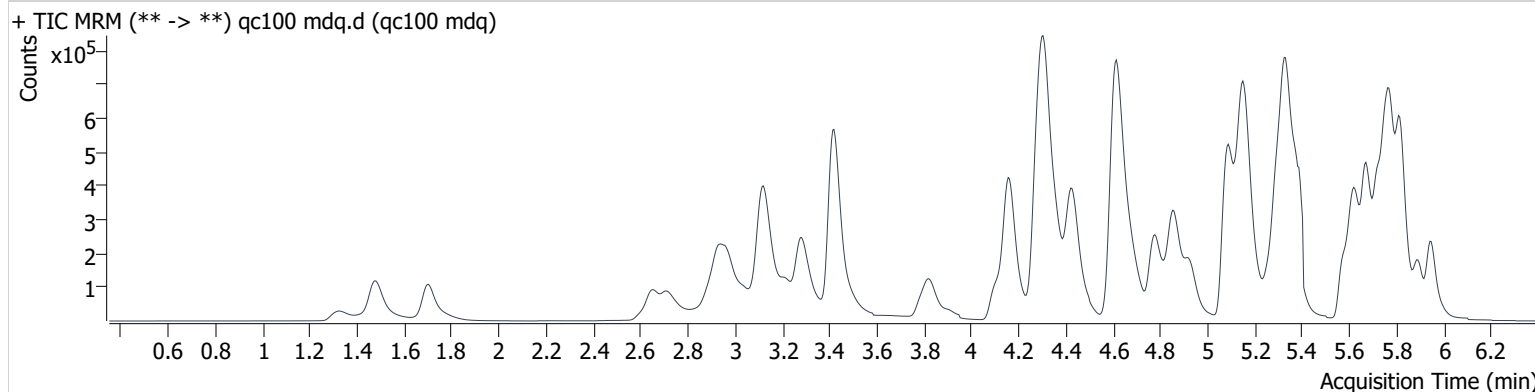
* Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 9:42:09 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	13866	252.9	71.1	3288.2	39681	10.211 ng/ml
7-aminoclonazepam	4.308	273766	23894.4	83.9	670.6	129014	97.735 ng/ml
a-hydroxyalprazolam	5.704	53201	3840.1	59.6	62219.7	30136	99.538 ng/ml
alpha-PVP	4.433	743937	2651.6	52.5	917.6	328764	97.064 ng/ml
Alprazolam	5.777	386809	9091.1	109.3	4114.4	136814	97.893 ng/ml
Amphetamine	3.122	786546	9167.9	50.9	3824.2	148872	106.913 ng/ml
Benzoylcegonine	3.906	19163	9135.6	8.0	1802.3	7113	98.493 ng/ml
Buprenorphine	5.842	6010	491.8	16.2	2197.7	21763	9.878 ng/ml
Bupropion	4.860	609920	3226.9	60.8	8349.9	249121	100.836 ng/ml
Carisoprodol	5.729	365197	13190.6	58.3	2593.3	176464	101.402 ng/ml
Citalopram	5.267	284026	12708.2	46.1	462245.3	132035	97.785 ng/ml
Clonazepam	5.623	336962	2946.7	34.6	146018.1	58542	100.850 ng/ml
Cocaine	4.317	599492	94493.7	46.1	168444.8	498012	95.686 ng/ml
Codeine	2.719	78775	21585.3	108.3	1698.8	42427	98.990 ng/ml
Cyclobenzaprine	5.646	204225	328667.0	9.3	1073.5	81643	100.250 ng/ml
Dextromethorphan	5.311	134370	21050.0	75.9	82746.8	63306	102.002 ng/ml
Dextrorphan	4.162	130949	28980.0	214.8	41549.1	145376	105.183 ng/ml
Diazepam	5.948	258420	5481.6	86.9	6383.2	126675	99.234 ng/ml
Dihydrocodeine	2.652	201753	30701.1	63.9	22867.6	114110	103.974 ng/ml
Diphenhydramine	5.337	906509	2085.9	35.1	1250.5	517041	98.840 ng/ml
Doxylamine	4.615	1661763	24567.3	96.9	451110.6	726001	97.471 ng/ml
EDDP	5.300	287499	812176.3	237.1	8425.1	334692	99.244 ng/ml
Fentanyl	5.189	26950	1567.2	67.4	41010.7	140156	9.760 ng/ml
Fluoxetine	5.721	146735	226594.3	8.4	3018.7	61432	103.748 ng/ml
Hydrocodone	3.124	298077	2743.5	37.3	1431.4	169166	103.588 ng/ml
Hydromorphone	1.703	232431	46446.1	73.9	138731.4	91428	97.008 ng/ml
Ketamine	4.163	557194	100664.1	38.1	5745.7	281042	102.775 ng/ml
Lamotrigine	4.365	55649	2037.5	91.0	3946.4	281042	99.074 ng/ml
Lorazepam	5.751	213782	10400.5	57.2	2214.7	126675	91.750 ng/ml
Meprobamate	4.932	285291	1983.1	28.9	1089.2	137787	100.052 ng/ml
Methadone	5.674	566287	23365.7	46.7	2299.7	279194	99.910 ng/ml
Methamphetamine	3.284	467658	∞	41.4	767.7	176371	106.355 ng/ml
Metoprolol	4.364	115935	12585.4	98.1	8350.2	726001	107.573 ng/ml

AM #28 Multi-Drug Quant. Results

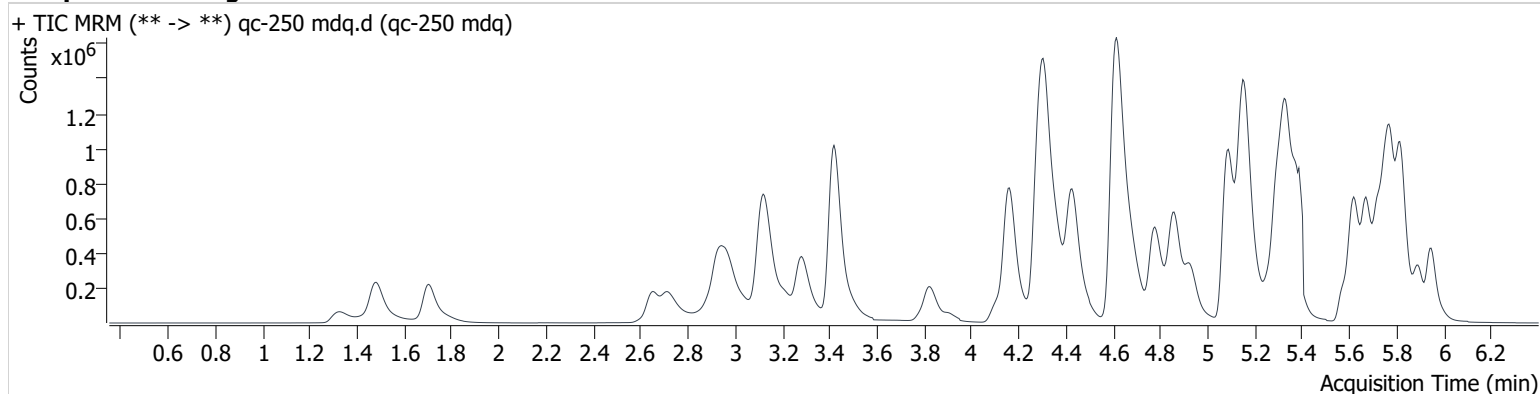
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.778	686287	1338.2	45.6	23977.8	279194	91.534 ng/ml
Mitragynine	5.312	70797	222392.4	36.7	45442.0	279194	108.968 ng/ml
Morphine	1.327	43874	144157.7	21.1	31346.2	5570	100.957 ng/ml
Norbuprenorphine	5.040	669	1273.3	93.7	1203.8	4089	8.919 ng/ml
Nordiazepam	5.897	231162	16289.5	61.3	109016.6	77433	101.560 ng/ml
Norfentanyl	4.122	69843	2576.9	39.9	242.9	343782	10.364 ng/ml
Norhydrocodone	3.126	6940	2044.6	40.8	165.8	36191	102.621 ng/ml
Noroxycodone	2.977	275625	4473.1	43.5	1274.6	101834	96.758 ng/ml
O-desmethyl-tramadol	3.420	1324191	130287.4	6.6	10297.4	721670	98.214 ng/ml
Oxazepam	5.758	365985	6412.3	72.5	6207.8	204210	107.354 ng/ml
Oxycodone	2.930	633372	10361.0	29.4	6185.3	303832	104.723 ng/ml
Oxymorphone	1.480	333017	2512689.9	45.1	507285.1	135707	101.236 ng/ml
Phentermine	3.828	205630	446.3	5.3	524.9	240117	102.585 ng/ml
Promethazine	5.578	337487	10835.8	31.4	974.8	155422	99.710 ng/ml
Quetiapine	5.607	322568	955452.7	60.2	1103.1	46078	104.431 ng/ml
Sertraline	5.793	77084	249.0	106.6	131193.9	37926	98.171 ng/ml
Temazepam	5.819	712962	10487.0	29.7	2799.4	351899	101.326 ng/ml
Tramadol	4.289	1484832	910392.4	3.5	138.6	797732	106.483 ng/ml
Trazodone	5.385	305903	78364.3	80.2	495339.8	191961	88.450 ng/ml
Venlafaxine	5.089	1110525	137861.7	38.4	7746.8	598571	95.976 ng/ml
Zolpidem	5.155	1505422	997.9	29.6	11079.6	661089	98.865 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 9:52:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	32204	3149.6	72.5	2028.3	36790	25.675 ng/ml
7-aminoclonazepam	4.308	575670	16869.1	82.3	1473.5	106161	250.575 ng/ml
a-hydroxyalprazolam	5.699	113967	1308.2	60.6	4322.1	25626	251.756 ng/ml
alpha-PVP	4.428	1682849	349138.3	52.6	51730.0	292292	246.759 ng/ml
Alprazolam	5.778	825428	13458.9	110.1	621.4	113449	251.918 ng/ml
Amphetamine	3.122	1578997	4430.5	51.4	12337.1	128878	248.529 ng/ml
Benzoylcegonine	3.906	45844	6061.8	8.5	6914.7	6780	246.454 ng/ml
Buprenorphine	5.847	10986	1435.0	16.5	2481.1	15114	25.652 ng/ml
Bupropion	4.860	1301968	2384.2	61.3	37362.7	211818	253.542 ng/ml
Carisoprodol	5.729	748747	17458.3	58.6	5116.8	146949	250.357 ng/ml
Citalopram	5.267	523047	26767.3	45.7	358.7	97268	245.554 ng/ml
Clonazepam	5.623	719564	79394.7	33.9	2537.7	49832	253.847 ng/ml
Cocaine	4.317	1321489	497033.2	46.1	89505.0	433979	242.227 ng/ml
Codeine	2.719	180763	692.7	109.3	124324.5	37621	256.486 ng/ml
Cyclobenzaprine	5.646	253108	7032.5	9.3	1558.3	39730	256.530 ng/ml
Dextromethorphan	5.316	234751	38814.3	75.3	8200.1	44987	251.298 ng/ml
Dextrorphan	4.167	292764	900.0	218.1	103905.3	132007	259.083 ng/ml
Diazepam	5.948	554064	19047.9	87.9	95273.9	109951	245.179 ng/ml
Dihydrocodeine	2.652	470911	128559.2	62.6	42890.5	108101	256.962 ng/ml
Diphenhydramine	5.337	1773199	63989.9	34.1	42985.9	395512	253.180 ng/ml
Doxylamine	4.615	3918264	329339.1	96.1	2681.4	679526	245.745 ng/ml
EDDP	5.300	696017	589164.4	233.8	46646.8	317964	253.221 ng/ml
Fentanyl	5.184	42634	1458.9	66.9	39747.9	86137	25.055 ng/ml
Fluoxetine	5.721	158349	22722.1	8.4	20591.1	27700	250.307 ng/ml
Hydrocodone	3.129	635595	3937.9	39.4	936.0	150505	249.135 ng/ml
Hydromorphone	1.703	538864	104270.8	73.8	362036.0	84457	243.224 ng/ml
Ketamine	4.163	1247117	264067.6	38.1	15585.3	253497	256.011 ng/ml
Lamotrigine	4.365	118980	8011.5	87.7	4497.7	253497	236.243 ng/ml
Lorazepam	5.751	371099	21249.9	57.3	2158.6	109951	184.591 ng/ml
Meprobamate	4.932	624823	2005.3	28.4	24362.9	121916	248.091 ng/ml
Methadone	5.675	1019579	33936.9	47.6	17819.0	204750	245.369 ng/ml
Methamphetamine	3.284	751547	∞	41.7	620.0	125704	255.016 ng/ml
Metoprolol	4.364	248916	188060.1	97.6	24834.6	679526	248.603 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.778	1464186	3707.4	45.8	77124.0	204750	268.268 ng/ml
Mitragynine	5.312	109642	220755.9	38.0	71796.6	204750	230.654 ng/ml
Morphine	1.327	102235	164284.3	21.0	158851.9	5116	257.518 ng/ml
Norbuprenorphine	5.045	1307	338.6	96.5	2565.3	2899	24.709 ng/ml
Nordiazepam	5.897	490783	92311.6	61.5	90283.9	64832	258.231 ng/ml
Norfentanyl	4.122	148779	22165.3	39.9	1055.9	290535	26.281 ng/ml
Norhydrocodone	3.126	16736	5345.0	38.0	110.7	30266	293.245 ng/ml
Noroxycodone	2.977	591818	4873.9	43.2	1472.0	84906	249.098 ng/ml
O-desmethyl-tramadol	3.420	3072682	196797.1	6.5	10666.4	653163	251.482 ng/ml
Oxazepam	5.758	674086	17194.5	73.1	5868.9	156903	259.452 ng/ml
Oxycodone	2.930	1458075	45589.4	29.8	18939.5	281438	260.781 ng/ml
Oxymorphone	1.480	761221	3902.6	45.0	708383.2	125585	251.185 ng/ml
Phentermine	3.828	442821	616.2	5.3	865.5	207153	255.896 ng/ml
Promethazine	5.573	422825	133210.4	32.4	5185.1	77888	249.266 ng/ml
Quetiapine	5.607	710516	2220111.1	59.9	456838.7	39559	268.402 ng/ml
Sertraline	5.793	76179	5296.7	99.7	99161.7	14753	250.396 ng/ml
Temazepam	5.819	1552958	74294.2	29.7	6241.6	302319	257.067 ng/ml
Tramadol	4.289	3319757	924892.2	3.5	5622.5	717016	266.351 ng/ml
Trazodone	5.385	680347	∞	78.9	1633315.8	159701	236.229 ng/ml
Venlafaxine	5.089	2572409	233941.2	37.9	5879.8	543169	244.503 ng/ml
Zolpidem	5.155	3518618	279078.8	29.5	191184.3	601393	254.171 ng/ml

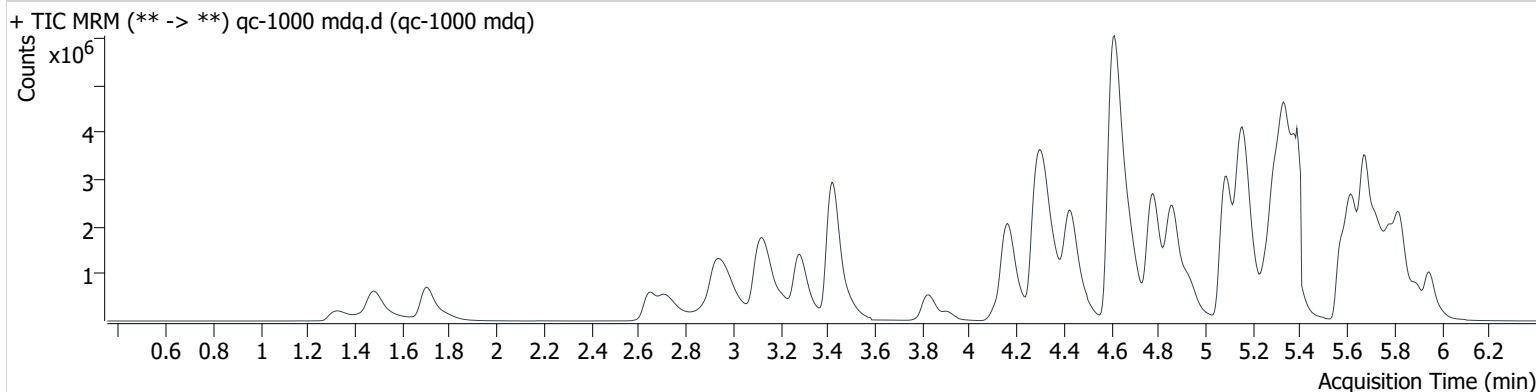
* Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 10:03:44 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	133208	43132.9	74.5	4285.4	37482	104.441 ng/ml
7-aminoclonazepam	4.313	1086681	113943.5	83.6	112547.5	55227	910.631 ng/ml
a-hydroxyalprazolam	5.699	229479	7746.5	60.5	5305.9	13451	967.636 ng/ml
alpha-PVP	4.428	6179098	14177.7	52.4	349091.0	265856	995.741 ng/ml
Alprazolam	5.777	2005084	49347.5	109.5	7790.0	67574	1027.371 ng/ml
Amphetamine	<u>3.117</u>	<u>4536388</u>	<u>29235.6</u>	<u>51.7</u>	<u>17691.2</u>	<u>120586</u>	<u>764.057 ng/ml</u> *
Benzoylcegonine	3.911	225083	62839.8	8.1	39837.6	6773	1209.449 ng/ml
Buprenorphine	5.847	65820	4041.2	15.4	2978.4	19704	117.112 ng/ml
Bupropion	4.860	5657197	1275695.6	60.4	49988.7	228279	1023.001 ng/ml
Carisoprodol	5.729	1530201	88338.7	57.3	24116.0	75046	1003.308 ng/ml
Citalopram	5.262	2744527	1324.7	44.6	152265.2	125975	997.116 ng/ml
Clonazepam	5.628	1183407	93811.8	34.4	13855.4	23253	896.087 ng/ml
Cocaine	4.317	4204093	114314.1	45.7	539032.4	339213	986.250 ng/ml
Codeine	2.719	672956	137579.6	103.8	45685.8	33334	1078.282 ng/ml
Cyclobenzaprine	5.646	1874756	3698657.3	9.3	6686.8	73365	1031.354 ng/ml
Dextromethorphan	5.311	1157349	50538.7	76.1	127819.5	54460	1024.538 ng/ml
Dextrorphan	4.167	1079503	256957.3	216.2	373406.0	121553	1037.690 ng/ml
Diazepam	5.948	1677256	67596.3	87.1	51663.2	82469	989.650 ng/ml
Dihydrocodeine	2.647	1849320	3599.1	64.6	138885.3	114383	955.150 ng/ml
Diphenhydramine	5.342	7908215	11106.3	33.5	3850.2	425970	1049.288 ng/ml
Doxylamine	4.615	16337816	10627.4	95.8	1324135.0	689093	1010.856 ng/ml
EDDP	5.300	2980596	382458.9	237.6	469685.9	339025	1017.640 ng/ml
Fentanyl	5.189	303667	979.1	70.1	663061.4	141550	108.449 ng/ml
Fluoxetine	5.726	1295656	413083.8	8.4	10423.7	54359	1048.214 ng/ml
Hydrocodone	3.129	2291782	7644.5	39.0	1181.8	136504	992.296 ng/ml
Hydromorphone	1.703	2085915	28503.9	73.7	746996.6	81530	974.837 ng/ml
Ketamine	4.163	4077119	10434.0	37.4	42239.2	223909	949.351 ng/ml
Lamotrigine	<u>4.365</u>	<u>289312</u>	<u>8558.3</u>	<u>90.1</u>	<u>14366.4</u>	<u>223909</u>	<u>652.153 ng/ml</u> *
Lorazepam	<u>5.746</u>	<u>436120</u>	<u>51542.1</u>	<u>57.7</u>	<u>23847.9</u>	<u>82469</u>	<u>289.849 ng/ml</u> *
Meprobamate	<u>4.932</u>	<u>1796024</u>	<u>197429.8</u>	<u>28.2</u>	<u>9768.1</u>	<u>90753</u>	<u>958.850 ng/ml</u> *
Methadone	5.674	6606583	951224.1	46.6	378106.4	319389	1019.431 ng/ml
Methamphetamine	3.284	3072761	∞	41.5	12204.5	132700	1022.505 ng/ml
Metoprolol	<u>4.369</u>	<u>617954</u>	<u>177805.2</u>	<u>96.7</u>	<u>10482.7</u>	<u>689093</u>	<u>610.674 ng/ml</u> *

AM #28 Multi-Drug Quant. Results

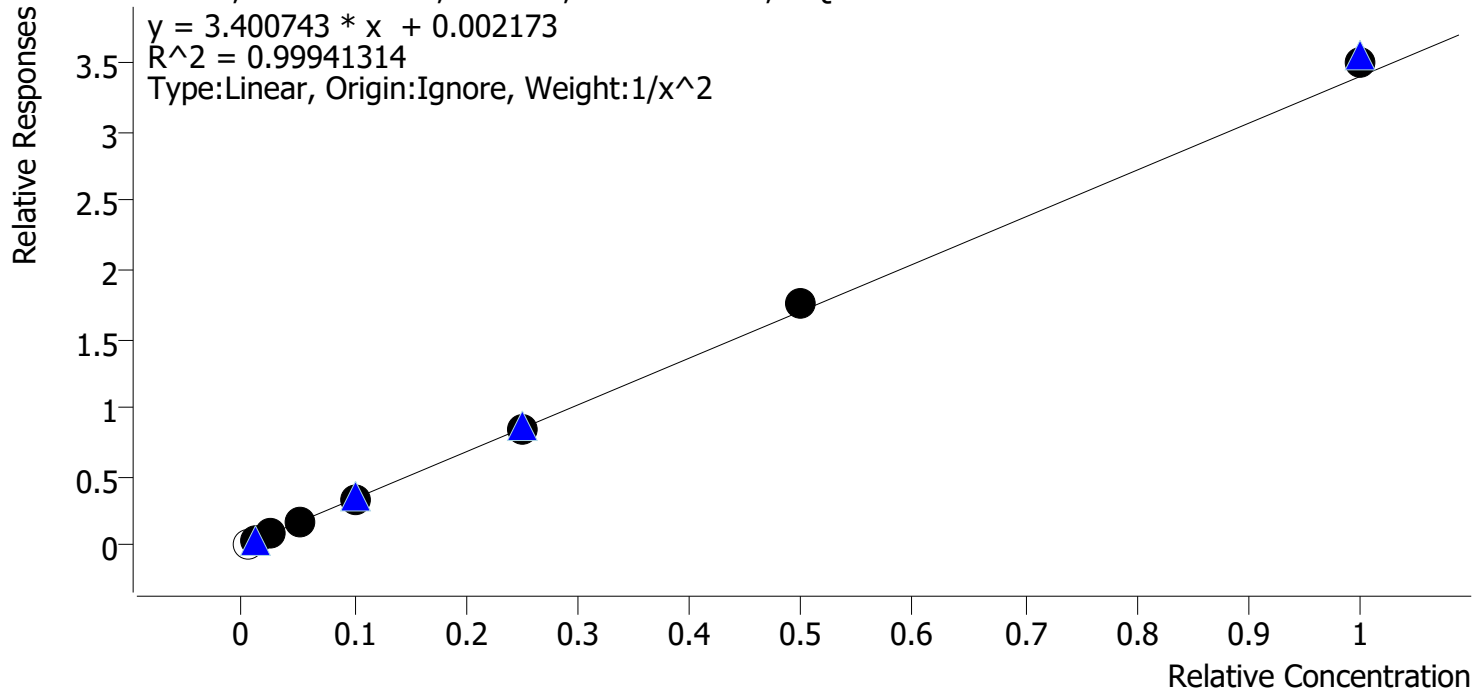
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.778	7707486	200782.4	45.8	127470.3	319389	907.755 ng/ml
Mitragynine	5.312	471789	1076232.3	38.6	413215.3	319389	637.121 ng/ml *
Morphine	1.322	381147	2633109.4	20.6	258034.7	5043	976.447 ng/ml
Norbuprenorphine	5.040	8020	17954.9	97.9	13191.8	4689	93.920 ng/ml
Nordiazepam	5.897	1305461	264310.9	60.8	231519.0	44004	1013.320 ng/ml
Norfentanyl	4.117	619101	16973.1	40.3	11326.1	358432	88.890 ng/ml
Norhydrocodone	3.126	85377	339.6	41.8	176.6	25413	1774.382 ng/ml *
Noroxycodone	2.982	1659392	2101.8	40.8	1801.2	60245	984.196 ng/ml
O-desmethyl-tramadol	3.420	11376354	538804.4	6.3	69188.7	584787	1039.321 ng/ml
Oxazepam	5.753	888114	26855.0	72.0	14636.9	55261	974.706 ng/ml
Oxycodone	2.930	5530232	9413.5	29.5	15870.4	276393	1008.144 ng/ml
Oxymorphone	1.480	2644180	21821554.7	44.9	4787798.6	114192	961.730 ng/ml
Phentermine	3.828	1519825	1287.4	5.1	1786.5	192485	944.888 ng/ml
Promethazine	5.573	4131873	2873315.9	31.1	75640.7	186124	1019.319 ng/ml
Quetiapine	5.612	3318330	6545616.9	59.8	17174.5	47791	1038.447 ng/ml
Sertraline	5.793	596757	143224.8	100.6	1515689.0	28625	1012.906 ng/ml
Temazepam	5.824	4061136	70404.8	29.5	25801.4	185939	1093.373 ng/ml
Tramadol	4.283	10756247	1344246.4	3.4	10388.9	644283	963.007 ng/ml
Trazodone	5.390	3376372	1690346.3	77.7	7994.2	161714	1157.220 ng/ml
Venlafaxine	5.083	9253952	476257.8	37.2	12012.8	473740	1007.490 ng/ml
Zolpidem	5.155	12348454	1067753.8	28.8	848711.5	530206	1012.061 ng/ml

* Outside curve range

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

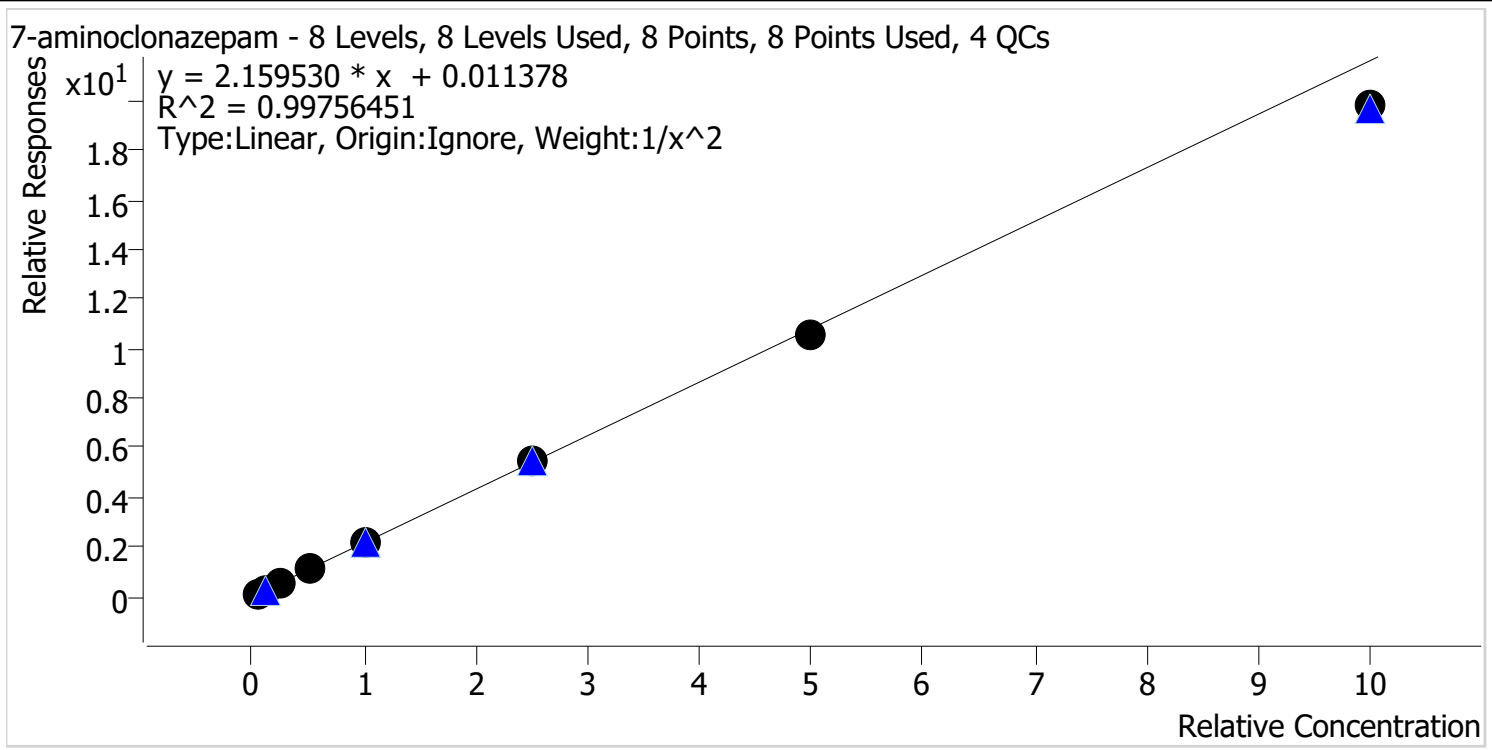
6-MAM - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.4	87.2
cal 2 mdq	2	✓	1.0	1.0	100.6
cal 3 mdq	3	✓	2.5	2.5	100.1
cal 4 mdq	4	✓	5.0	4.9	97.7
cal 5 mdq	5	✓	10.0	9.8	98.5
cal 6 mdq	6	✓	25.0	24.5	97.9
cal 7 mdq	7	✓	50.0	51.3	102.6
cal 8 mdq	8	✓	100.0	102.6	102.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

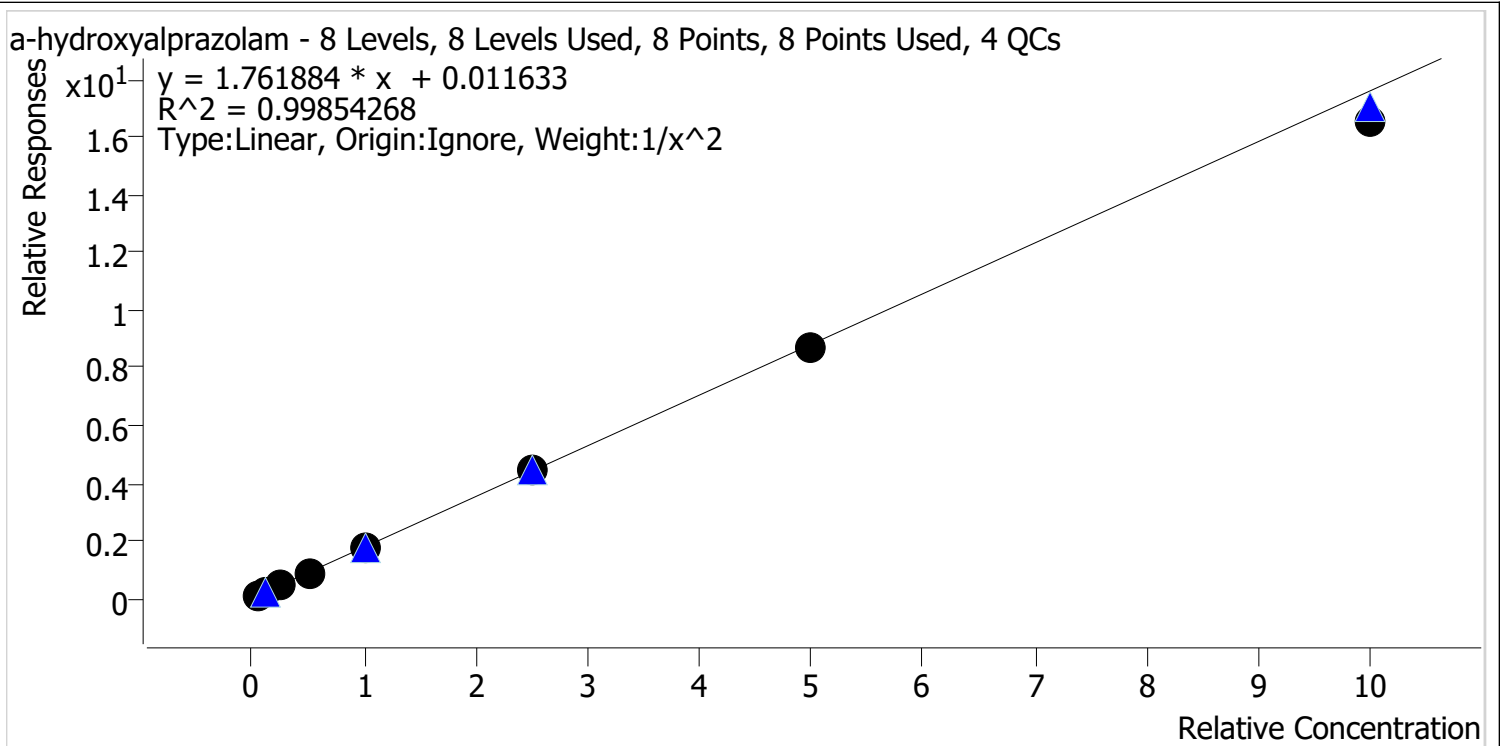


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.4	103.9
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	254.5	101.8
cal 7 mdq	7	✓	500.0	486.6	97.3
cal 8 mdq	8	✓	1000.0	916.1	91.6

Compound Calibration Report

Boyle

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

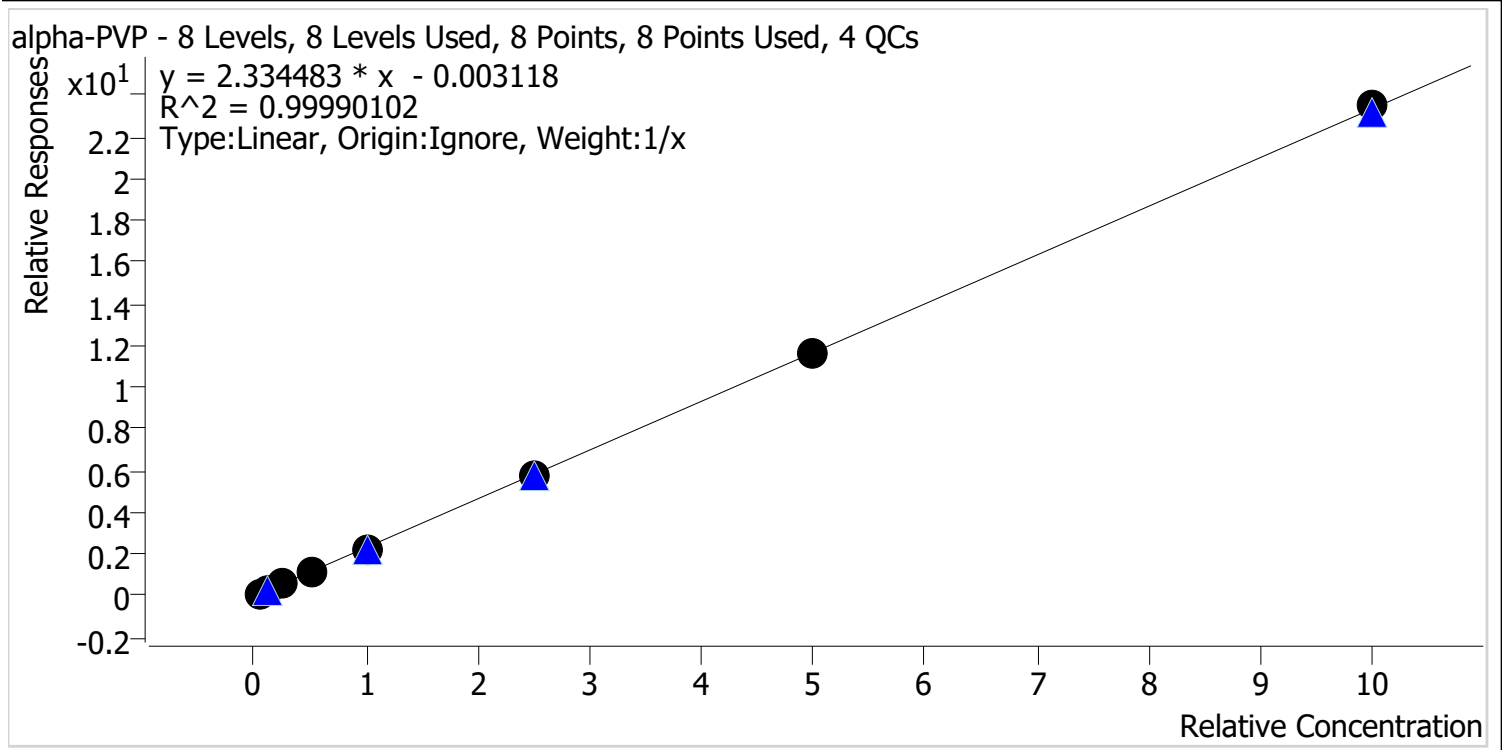


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	940.8	94.1

Compound Calibration Report

B. Wylee

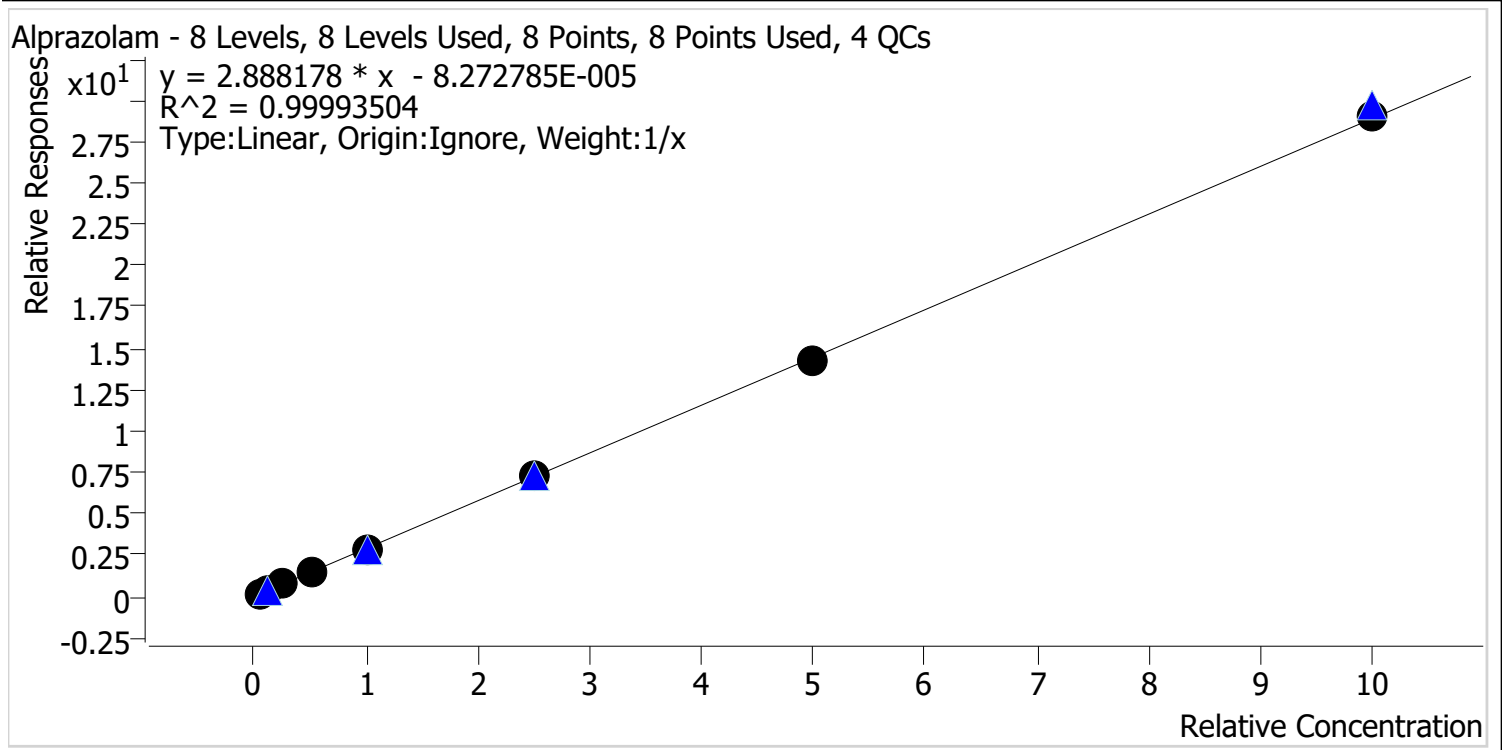
Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	497.0	99.4
cal 8 mdq	8	✓	1000.0	1006.6	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



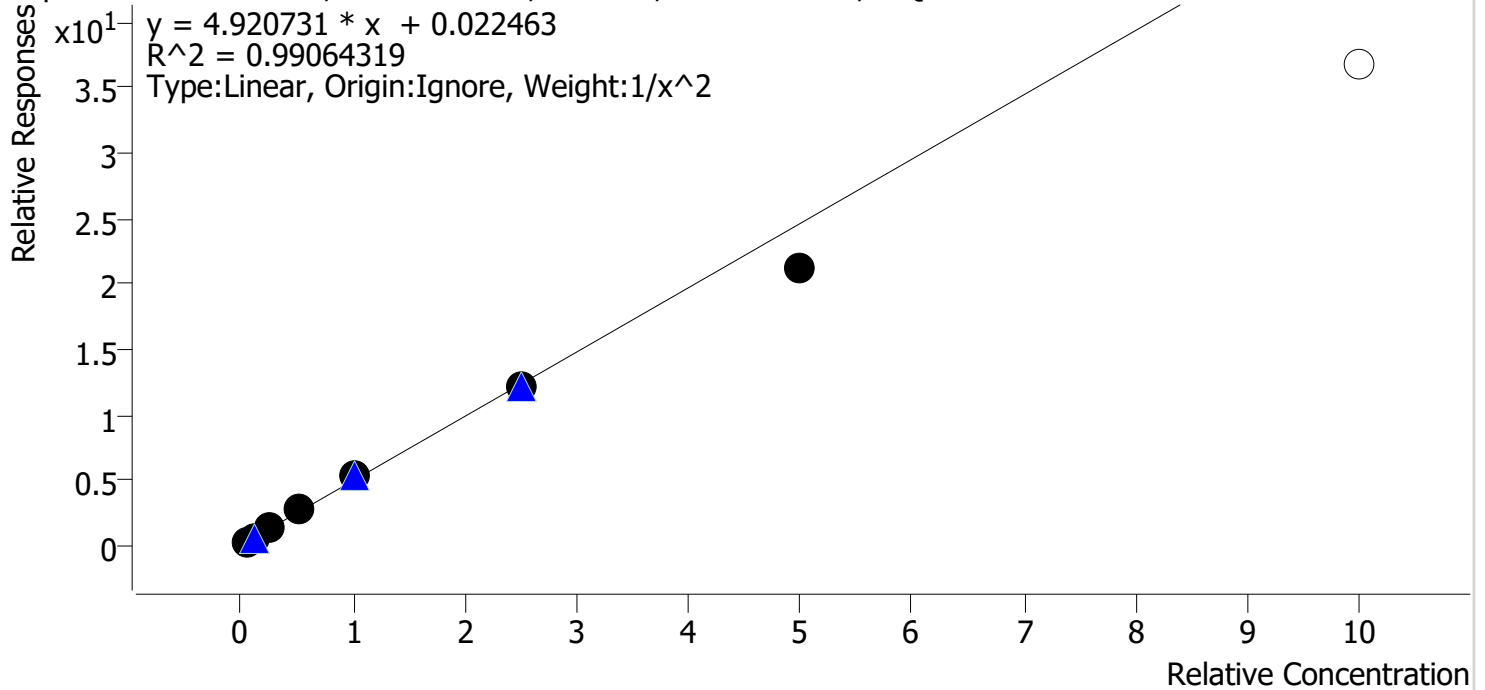
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.5
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	496.0	99.2
cal 8 mdq	8	✓	1000.0	1003.9	100.4

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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

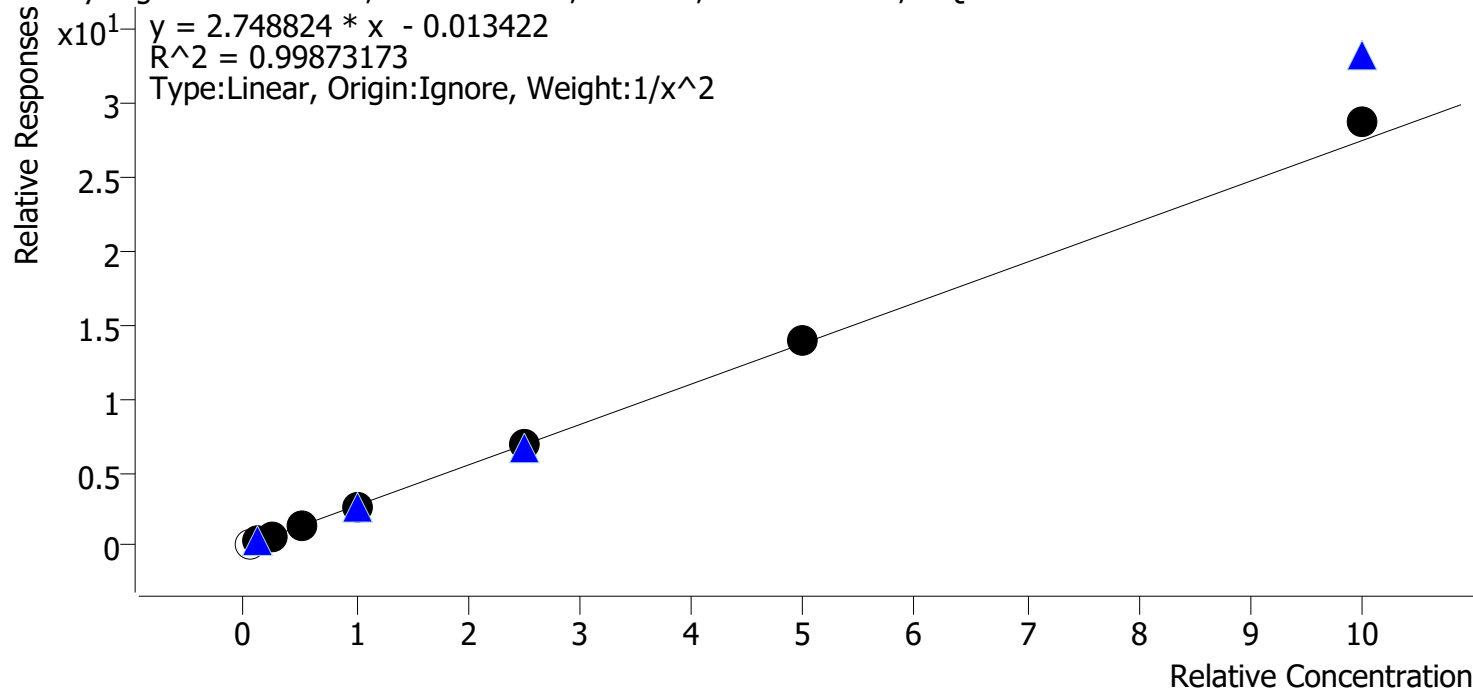


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	56.8	113.7
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	243.5	97.4
cal 7 mdq	7	✓	500.0	433.2	86.6
cal 8 mdq	8	x	1000.0	746.2	74.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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

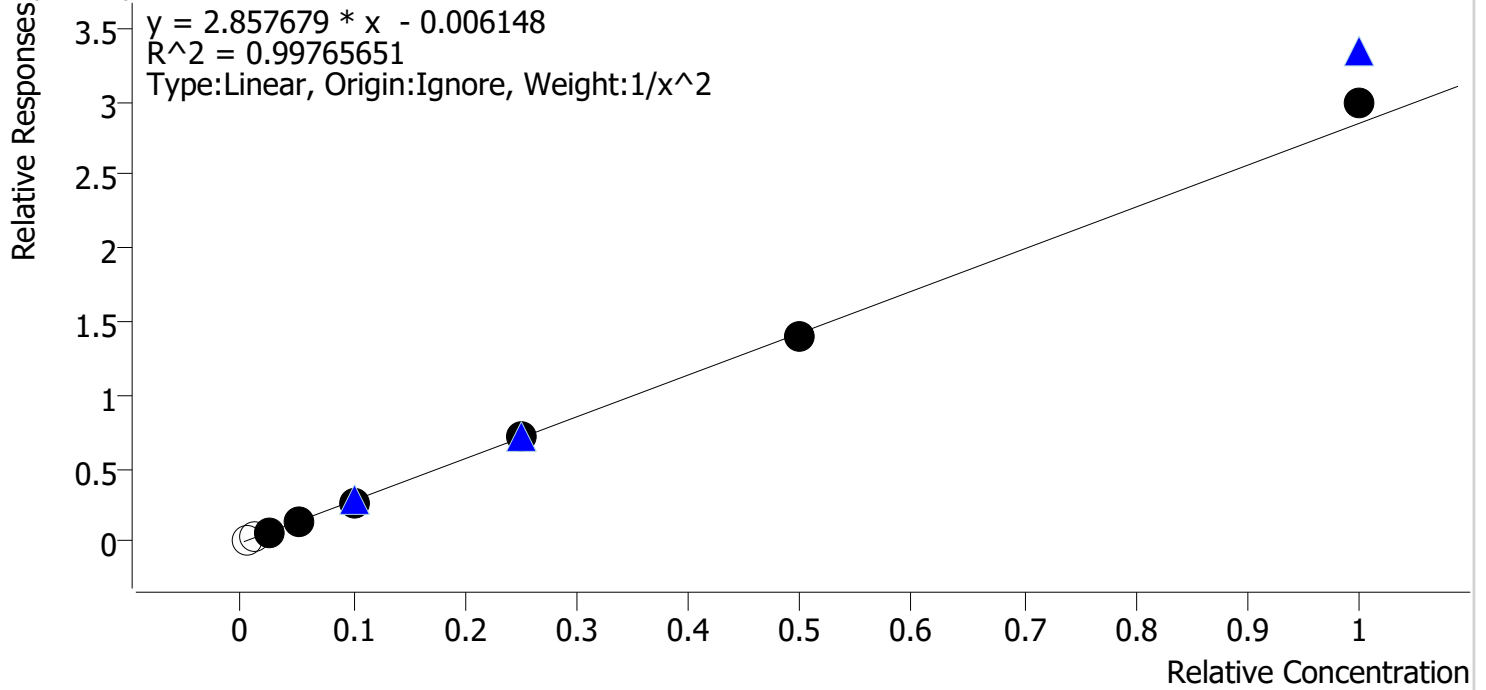


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	6.3	126.9
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	1050.8	105.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



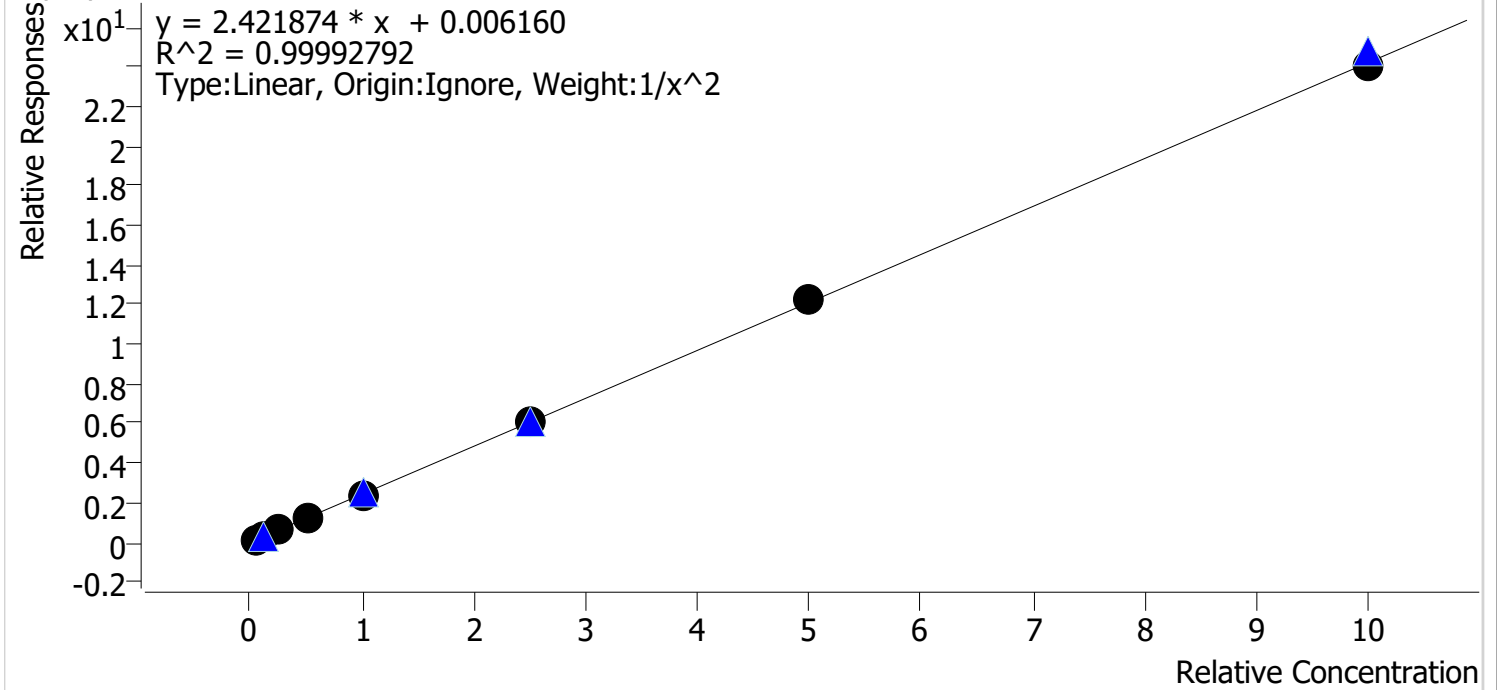
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.7	138.0
cal 2 mdq	2	x	1.0	1.2	119.5
cal 3 mdq	3	✓	2.5	2.6	102.9
cal 4 mdq	4	✓	5.0	4.8	95.7
cal 5 mdq	5	✓	10.0	9.6	95.8
cal 6 mdq	6	✓	25.0	25.6	102.5
cal 7 mdq	7	✓	50.0	49.3	98.5
cal 8 mdq	8	✓	100.0	104.7	104.7

Compound Calibration Report

B. Wyle

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



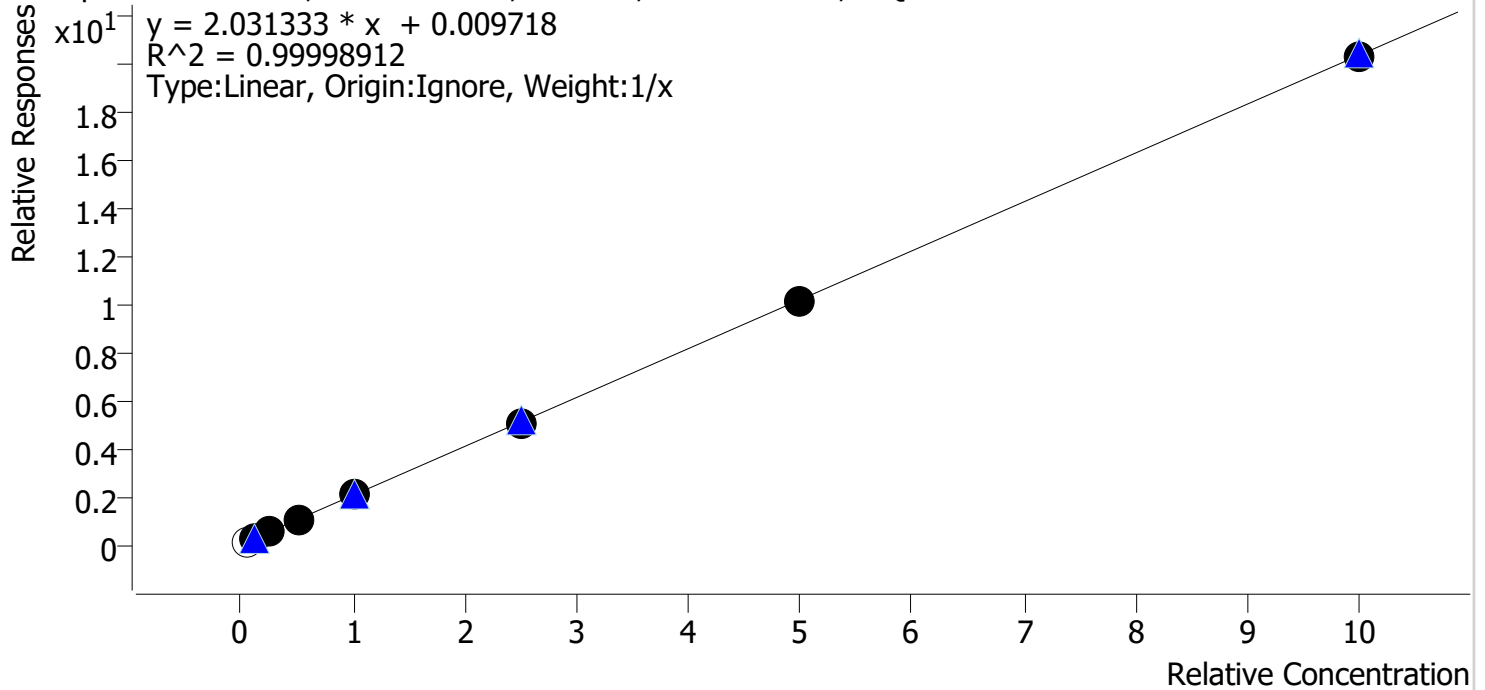
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	50.5	101.1
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	995.0	99.5

Compound Calibration Report

Byylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



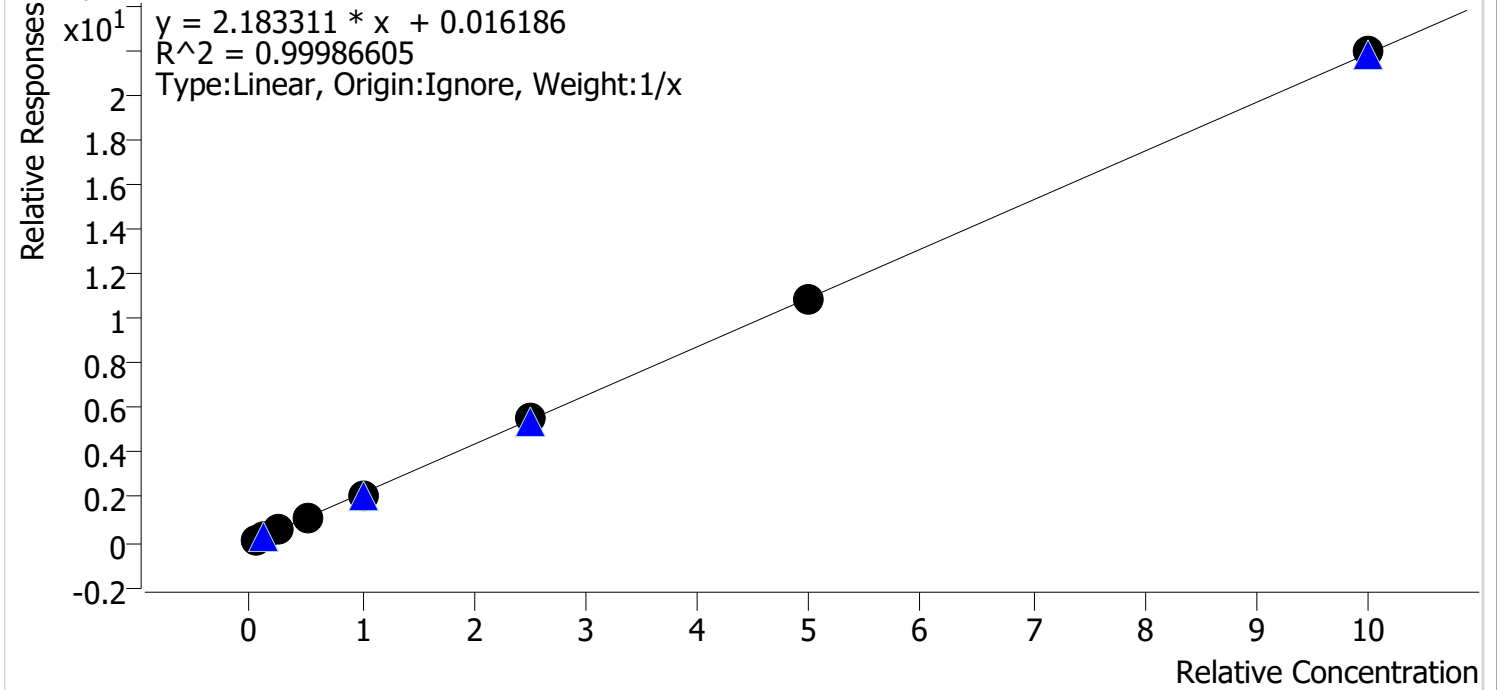
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	249.9	99.9
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	1000.2	100.0

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

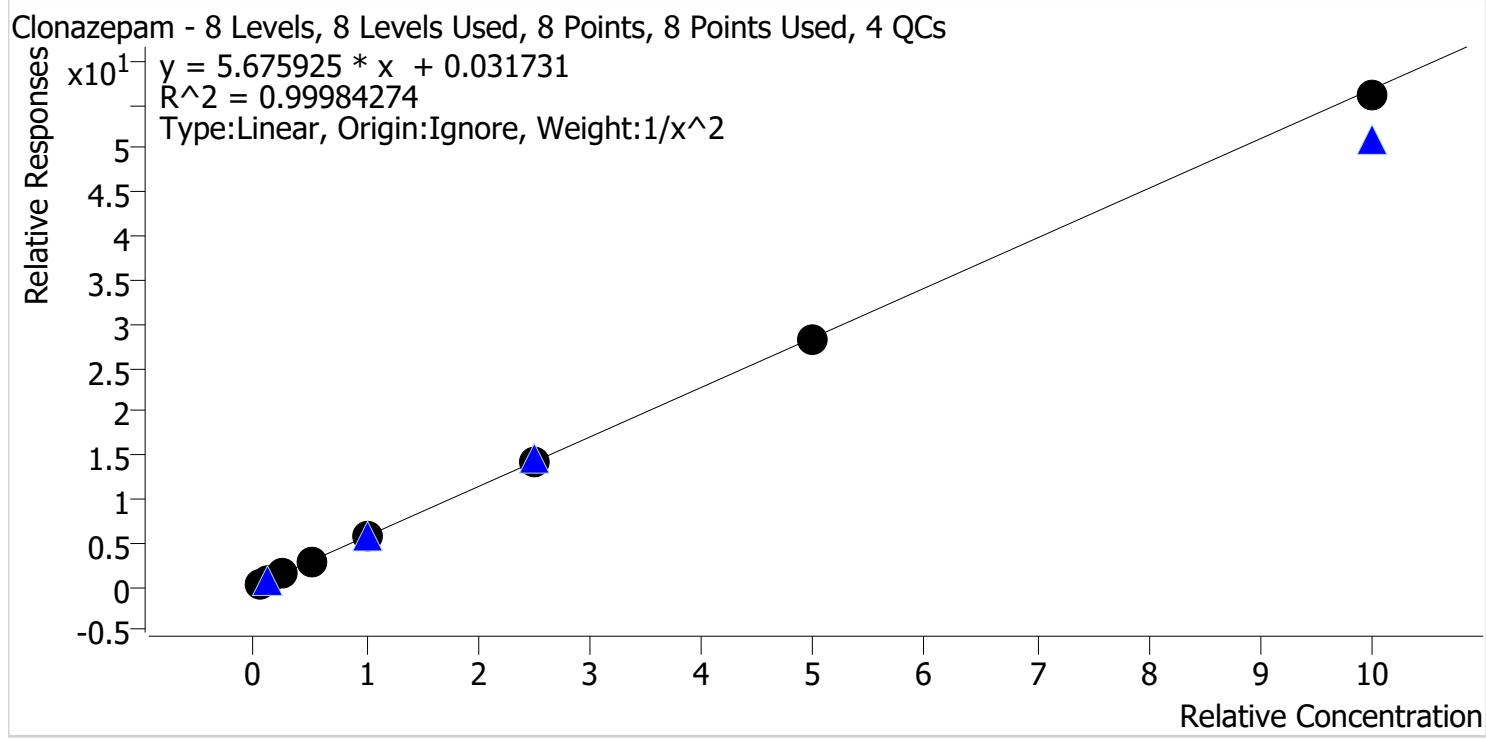
Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	254.2	101.7
cal 7 mdq	7	✓	500.0	493.2	98.6
cal 8 mdq	8	✓	1000.0	1003.9	100.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



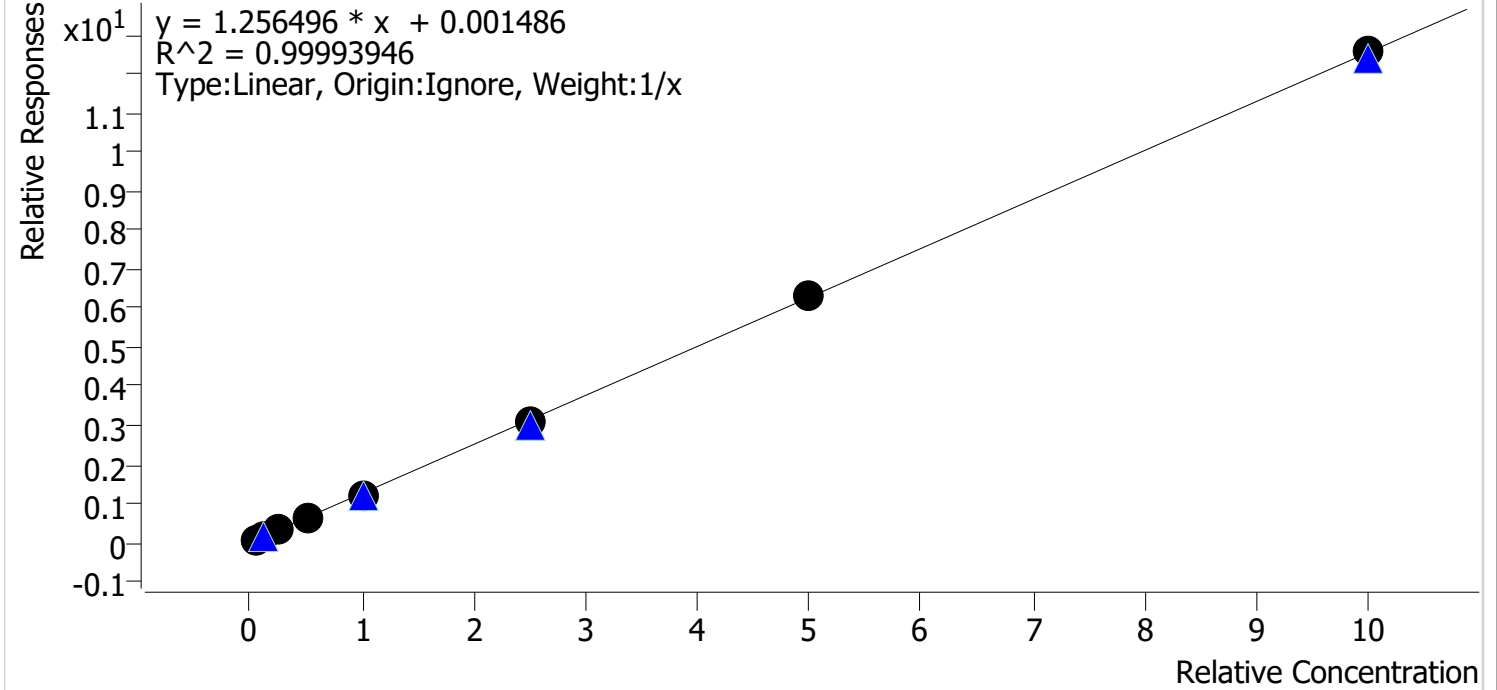
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	248.4	99.3
cal 7 mdq	7	✓	500.0	499.1	99.8
cal 8 mdq	8	✓	1000.0	986.8	98.7

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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

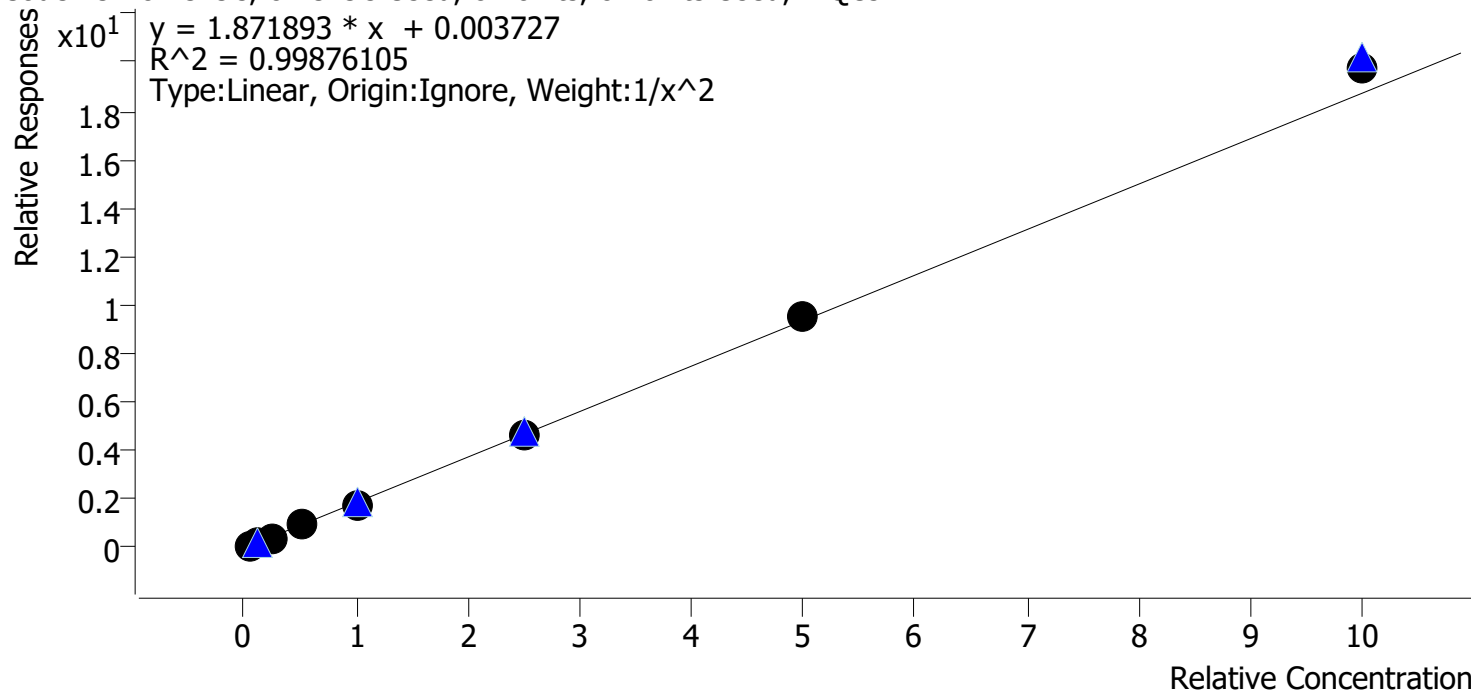


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	49.8	99.7
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	249.0	99.6
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	1001.9	100.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdq1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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

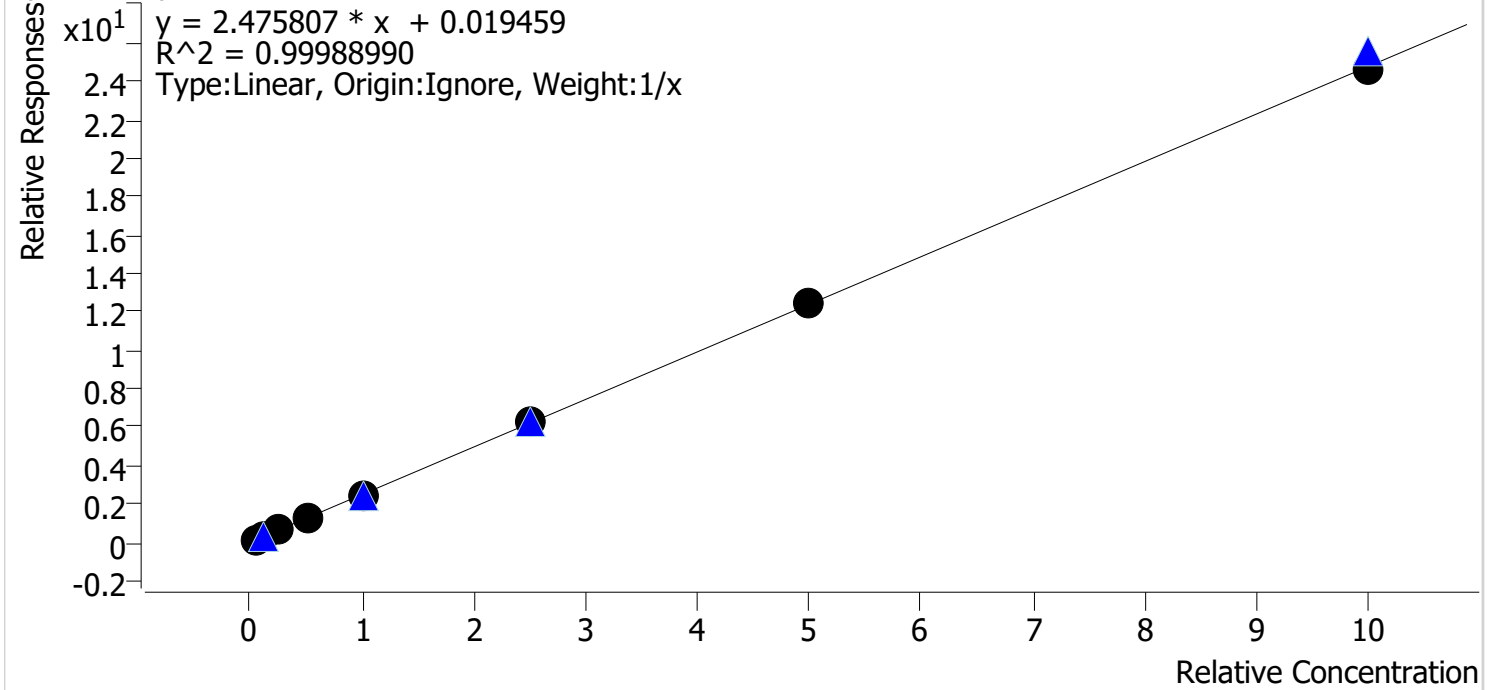


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	244.9	98.0
cal 7 mdq	7	✓	500.0	511.1	102.2
cal 8 mdq	8	✓	1000.0	1051.6	105.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

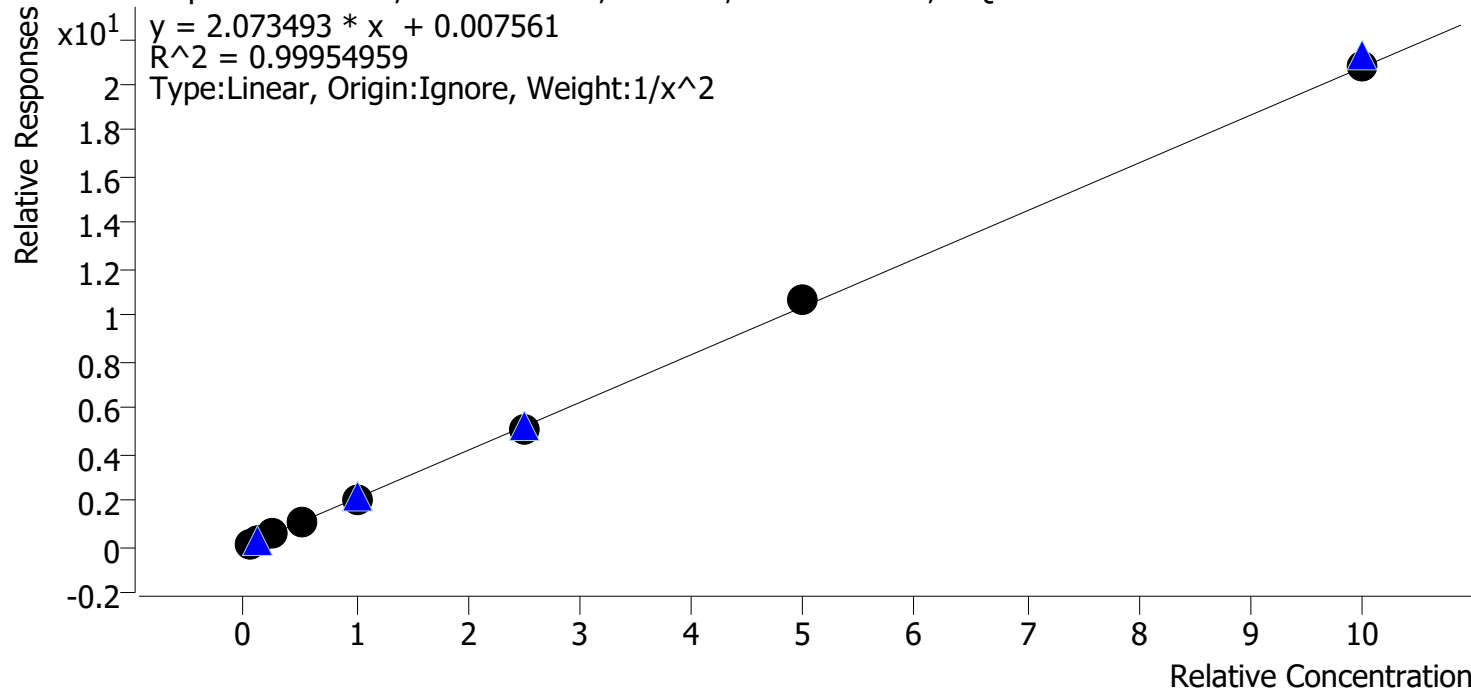


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.6	98.2
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	500.4	100.1
cal 8 mdq	8	✓	1000.0	993.4	99.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

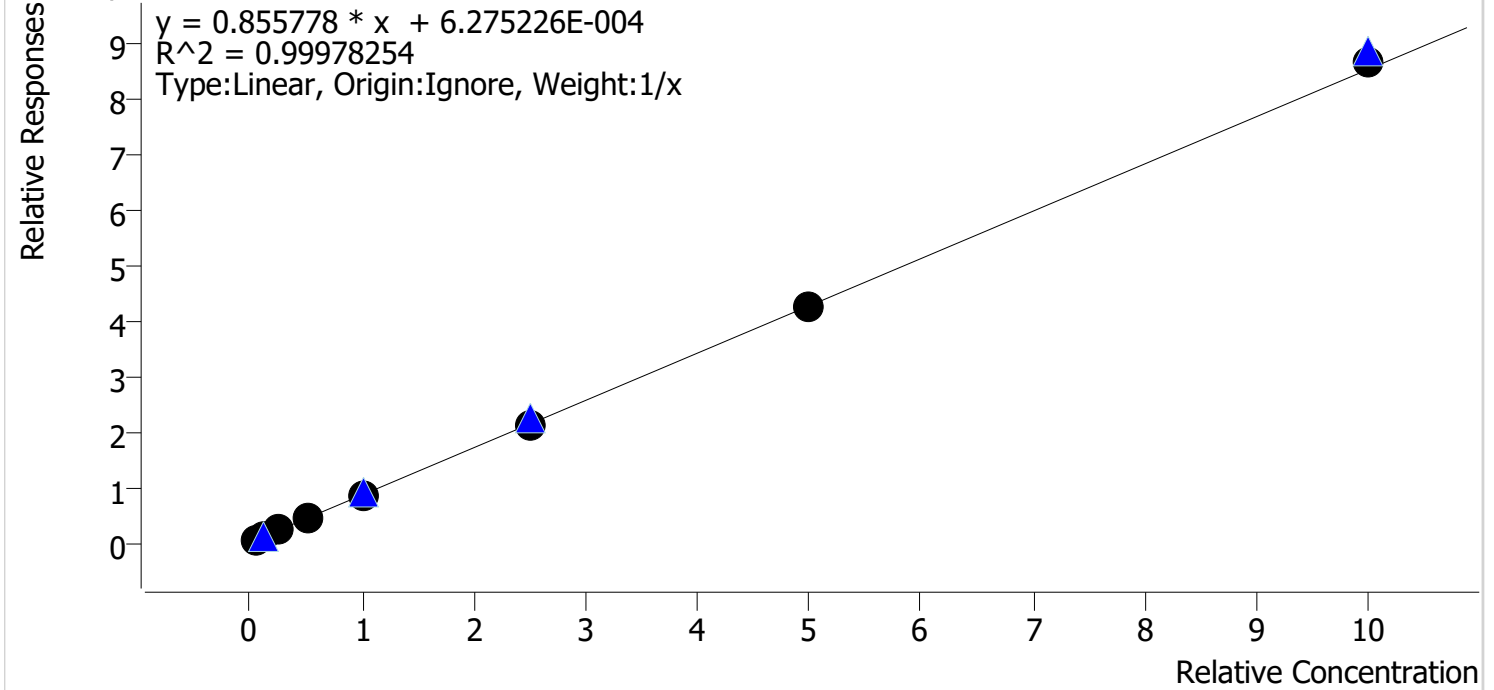


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.4	100.9
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	246.2	98.5
cal 7 mdq	7	✓	500.0	517.0	103.4
cal 8 mdq	8	✓	1000.0	1002.9	100.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



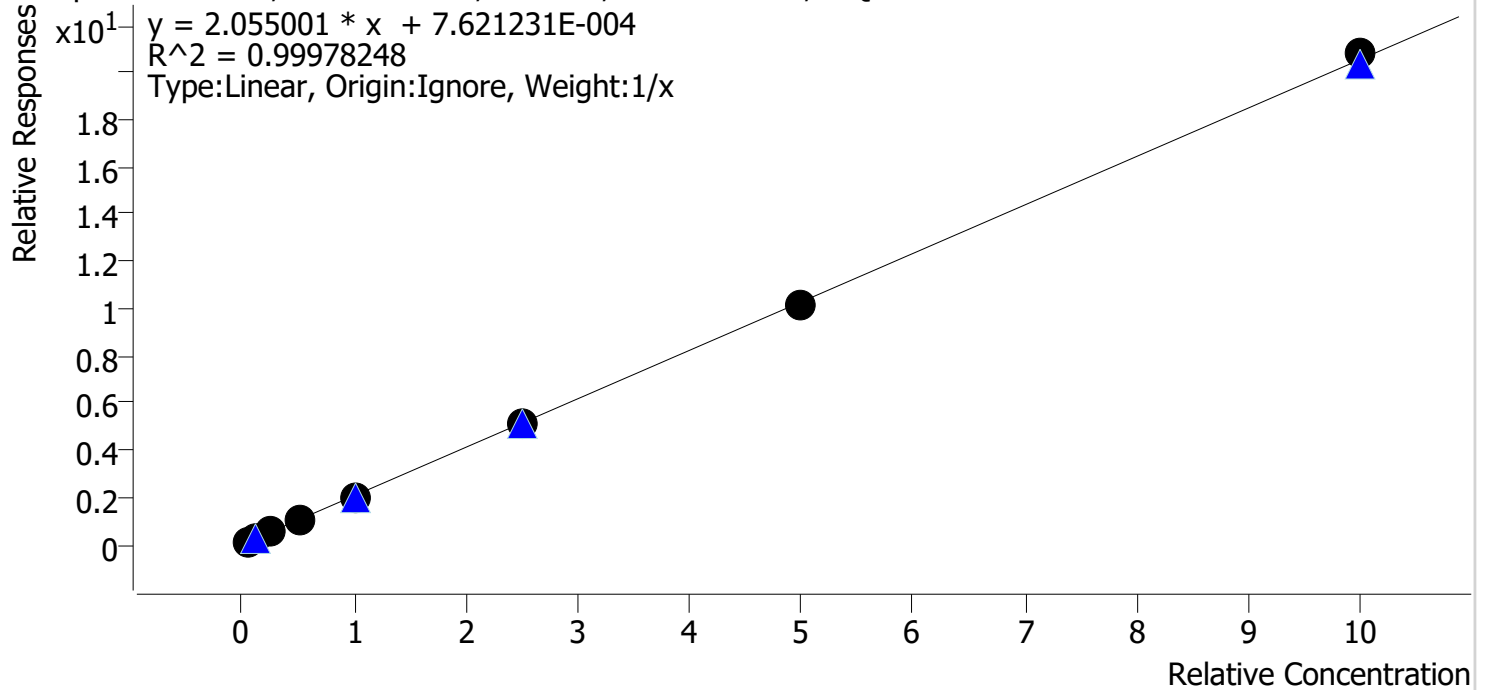
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	494.2	98.8
cal 8 mdq	8	✓	1000.0	1012.4	101.2

Compound Calibration Report

BWylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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

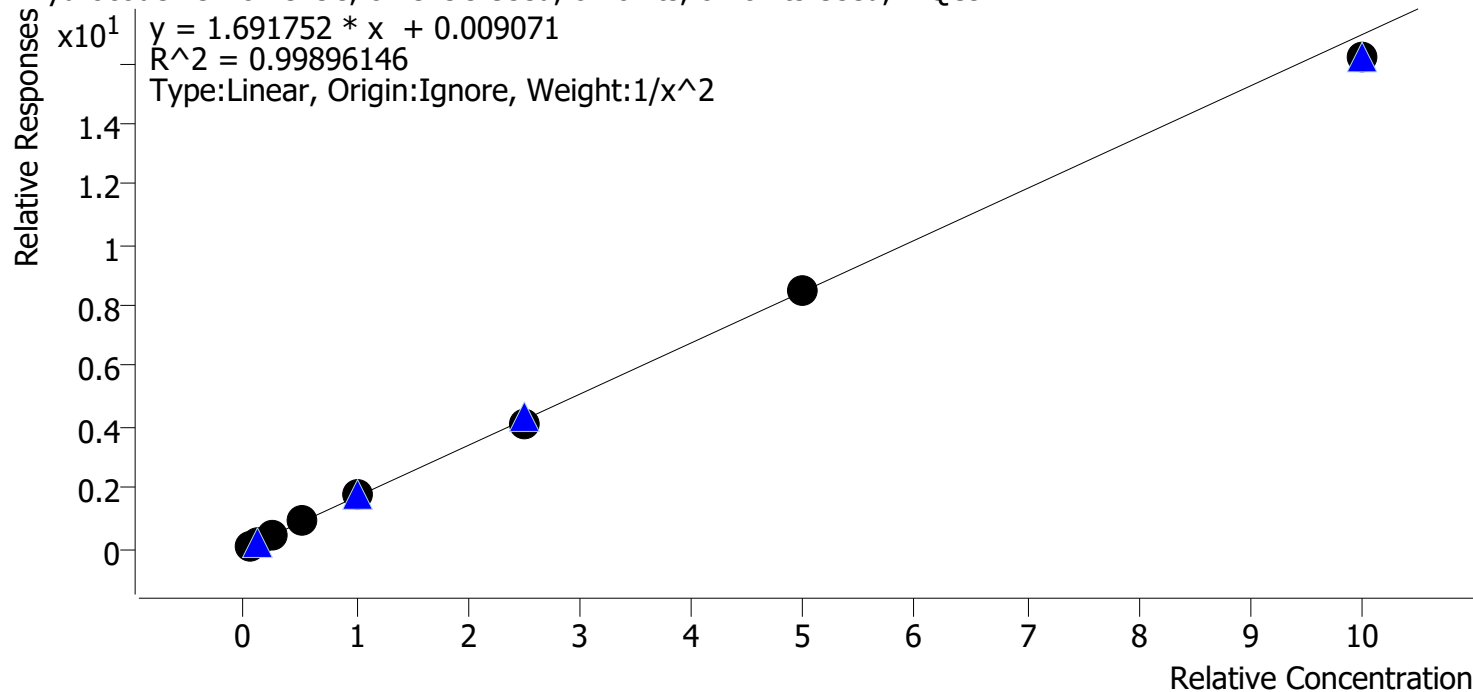


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	490.1	98.0
cal 8 mdq	8	✓	1000.0	1012.3	101.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



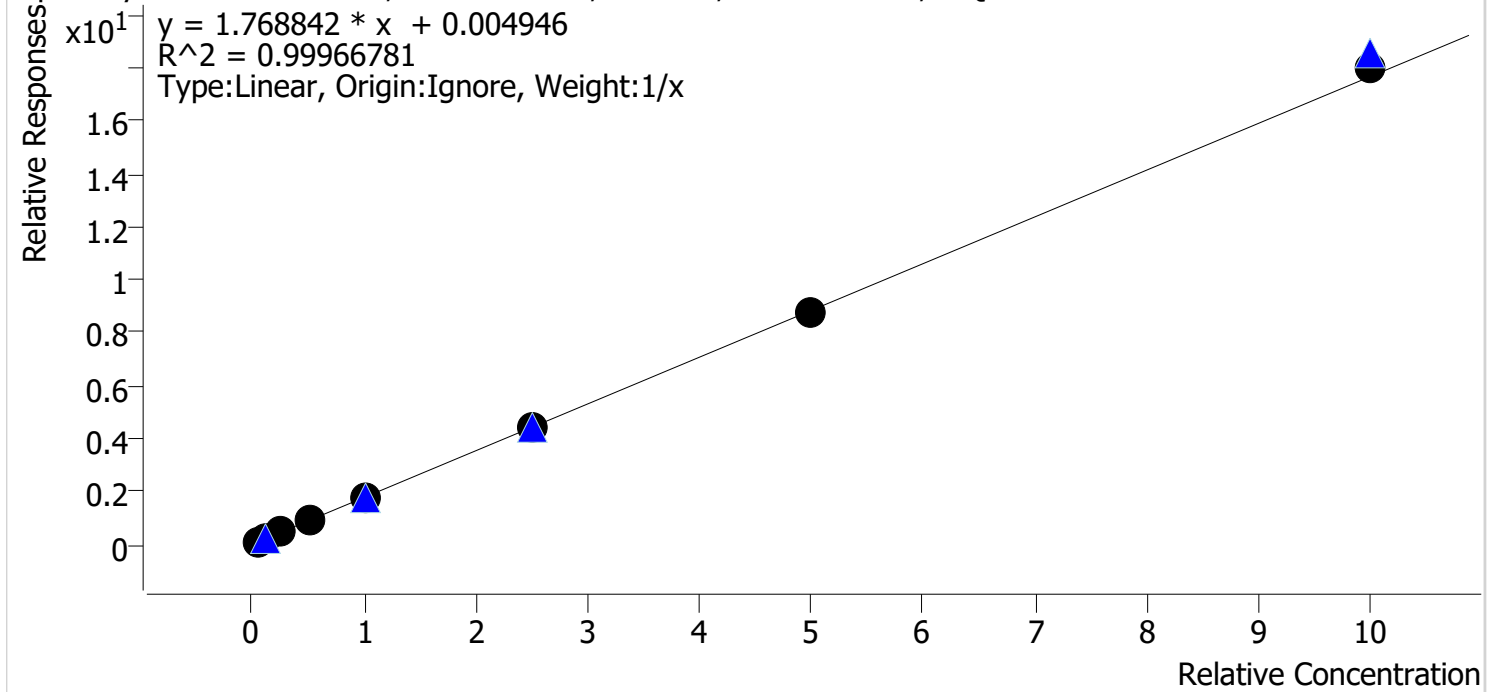
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	499.8	100.0
cal 8 mdq	8	✓	1000.0	953.1	95.3

Compound Calibration Report

BWylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

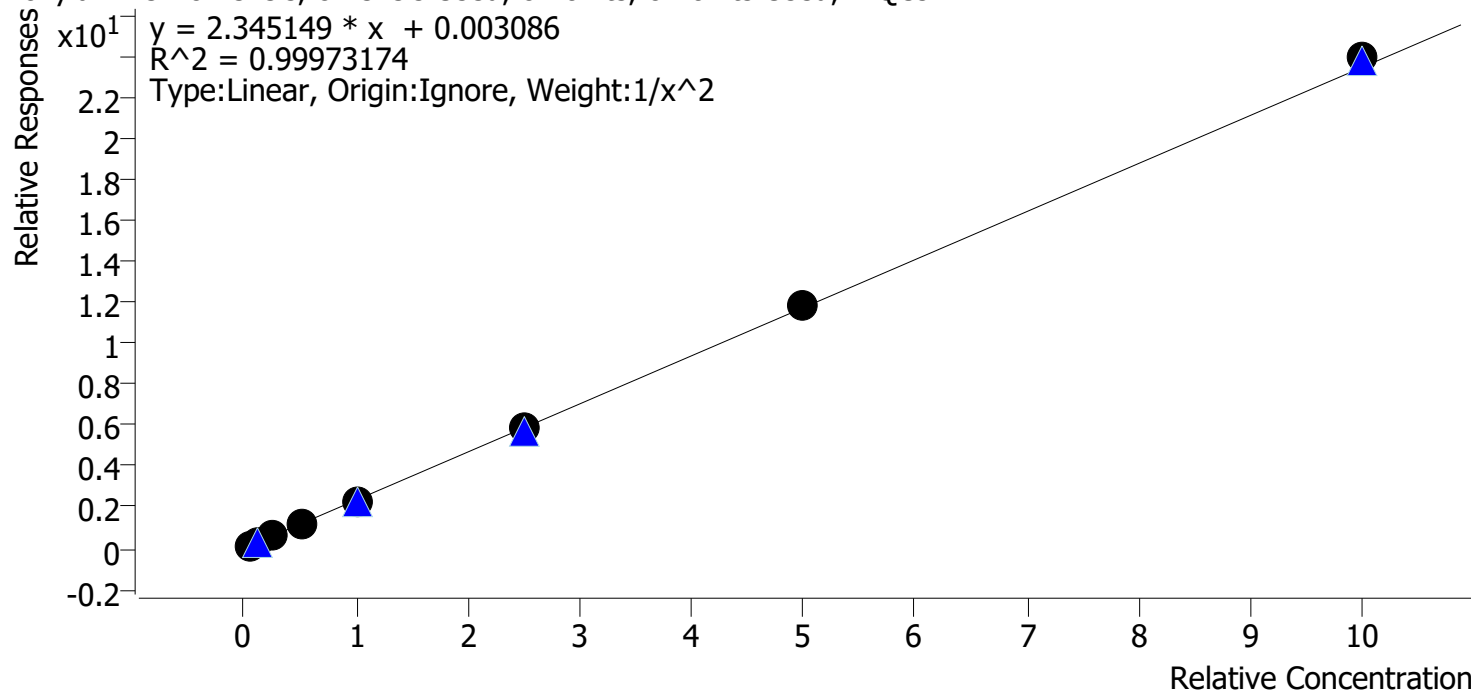


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	245.9	98.3
cal 7 mdq	7	✓	500.0	492.2	98.4
cal 8 mdq	8	✓	1000.0	1015.4	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



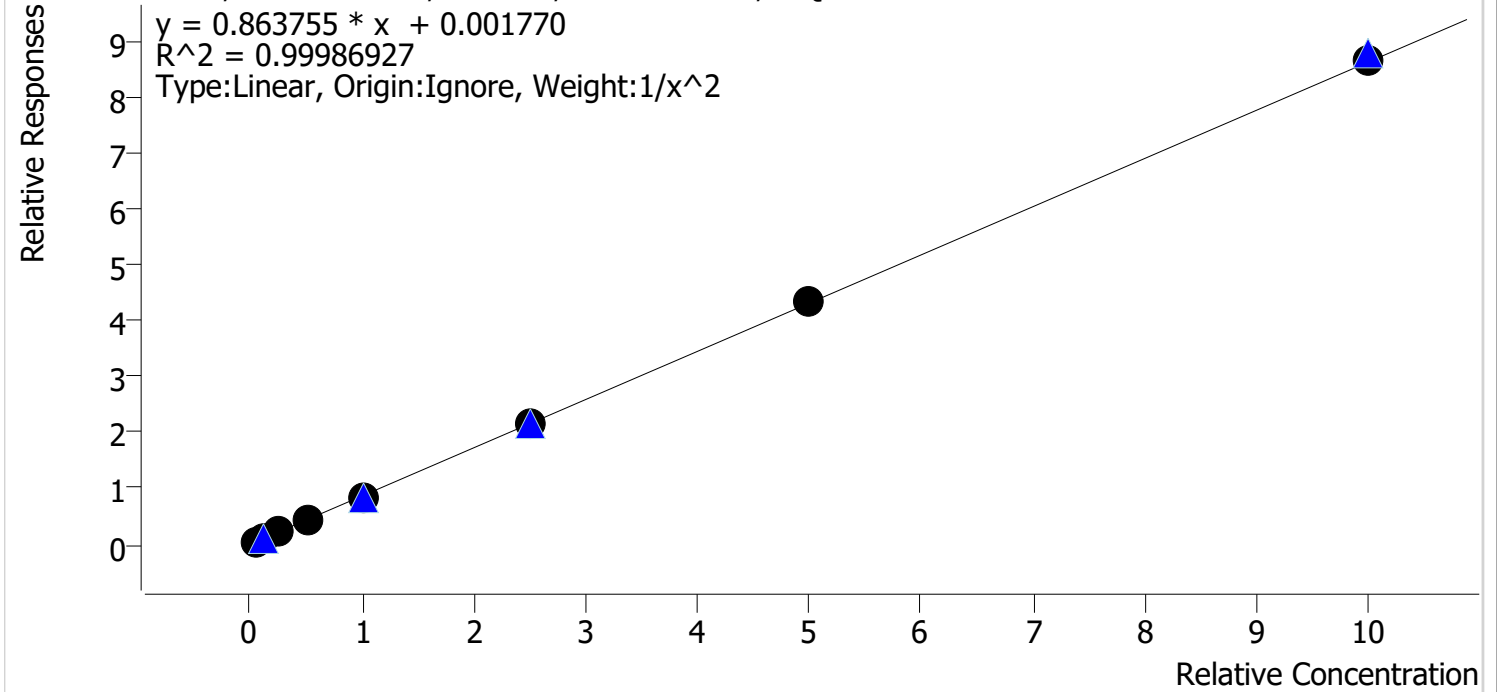
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	503.5	100.7
cal 8 mdq	8	✓	1000.0	1020.3	102.0

Compound Calibration Report

BWylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



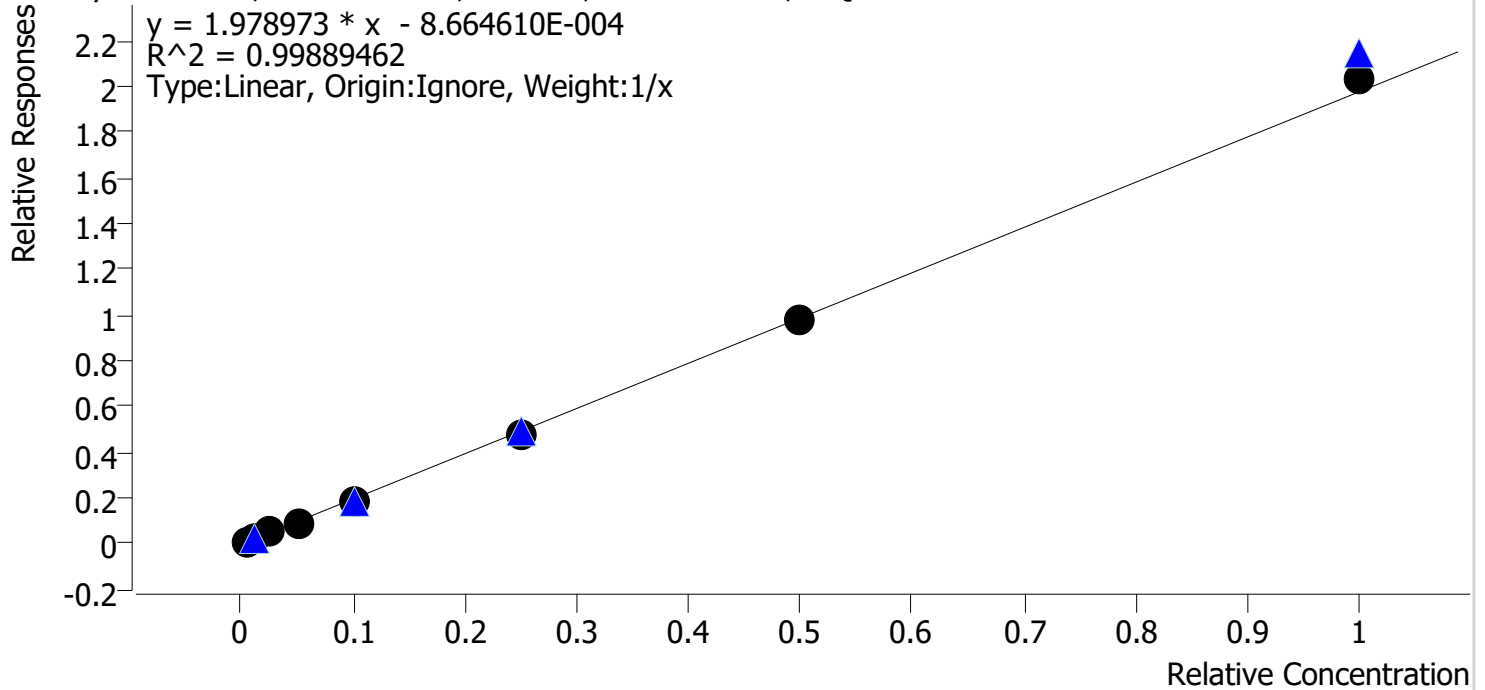
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	501.5	100.3
cal 8 mdq	8	✓	1000.0	1007.0	100.7

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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

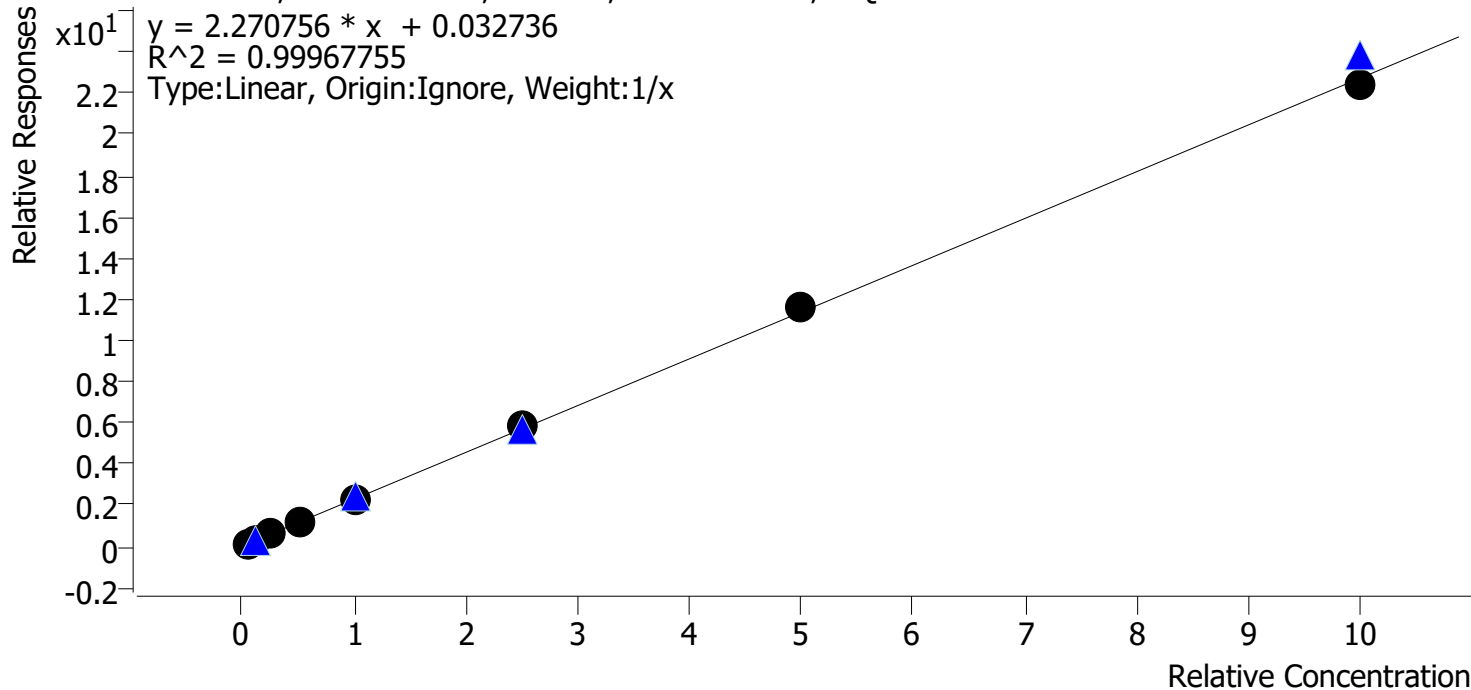


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	108.3
cal 2 mdq	2	✓	1.0	1.1	107.2
cal 3 mdq	3	✓	2.5	2.5	98.2
cal 4 mdq	4	✓	5.0	4.9	97.5
cal 5 mdq	5	✓	10.0	9.1	91.3
cal 6 mdq	6	✓	25.0	24.1	96.4
cal 7 mdq	7	✓	50.0	49.3	98.6
cal 8 mdq	8	✓	100.0	102.5	102.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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

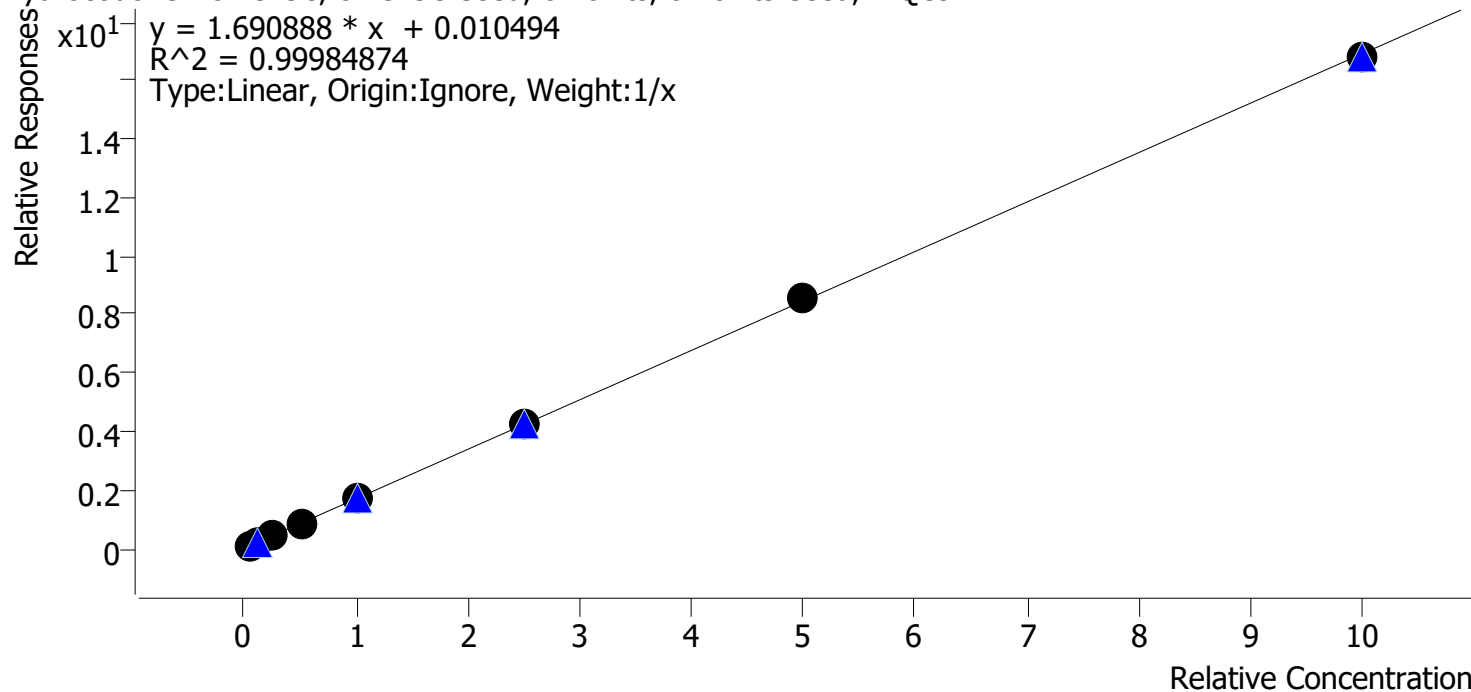


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.7
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	509.6	101.9
cal 8 mdq	8	✓	1000.0	984.9	98.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



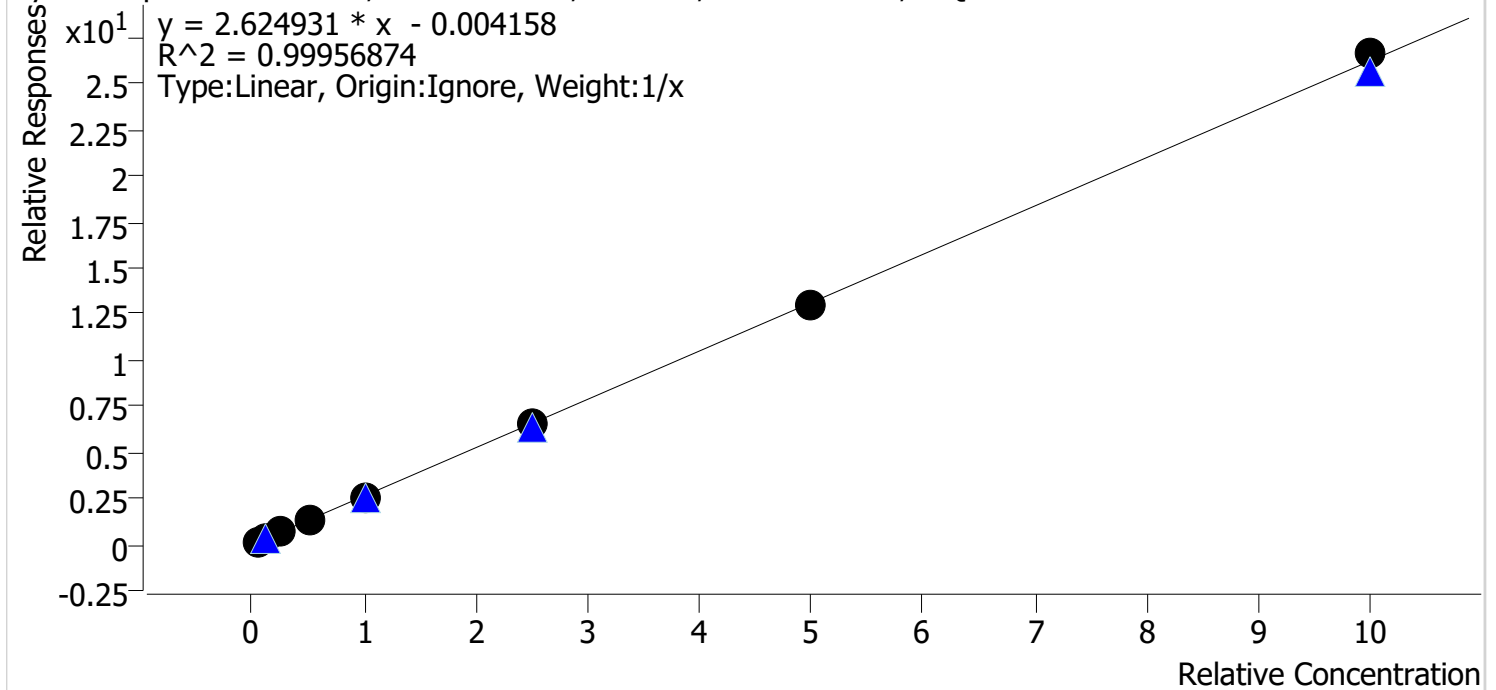
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	9.7	96.7
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	254.1	101.7
cal 7 mdq	7	✓	500.0	503.8	100.8
cal 8 mdq	8	✓	1000.0	990.3	99.0

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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

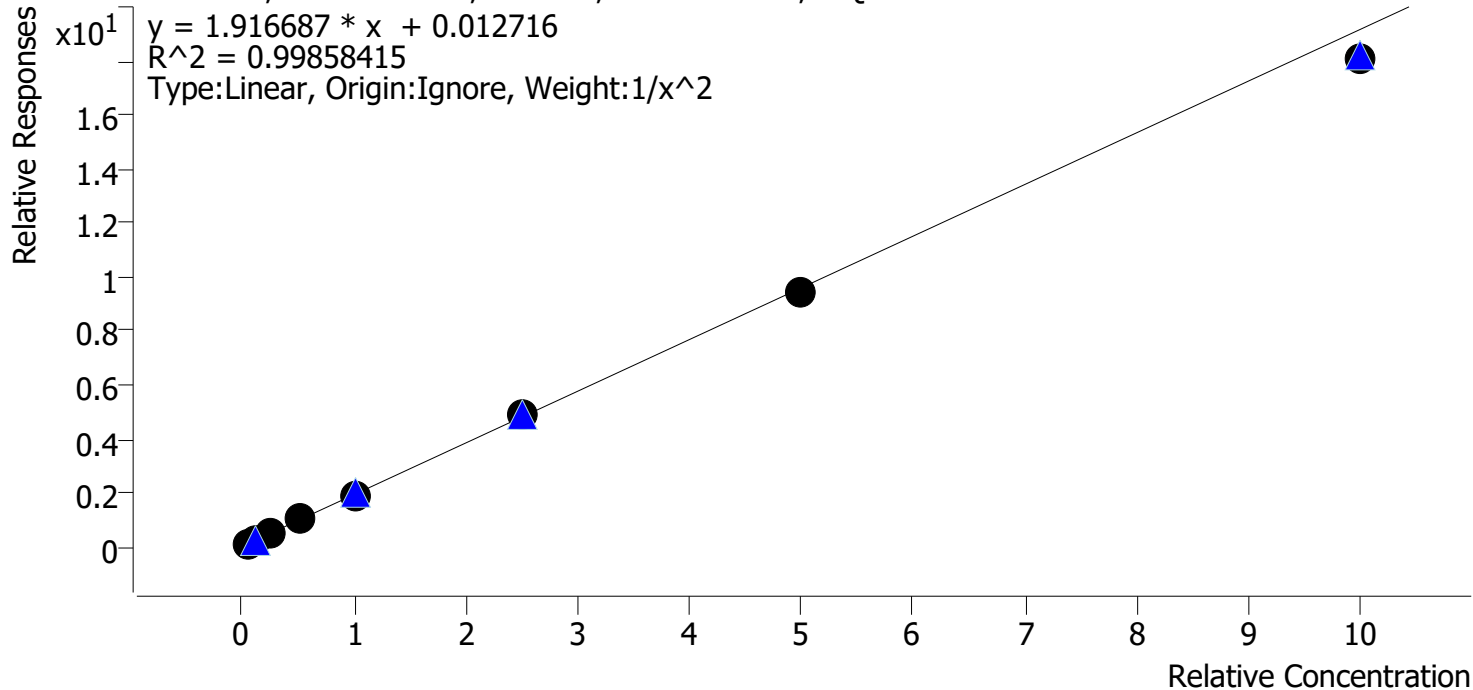


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.8
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	94.1	94.1
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	493.1	98.6
cal 8 mdq	8	✓	1000.0	1015.2	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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

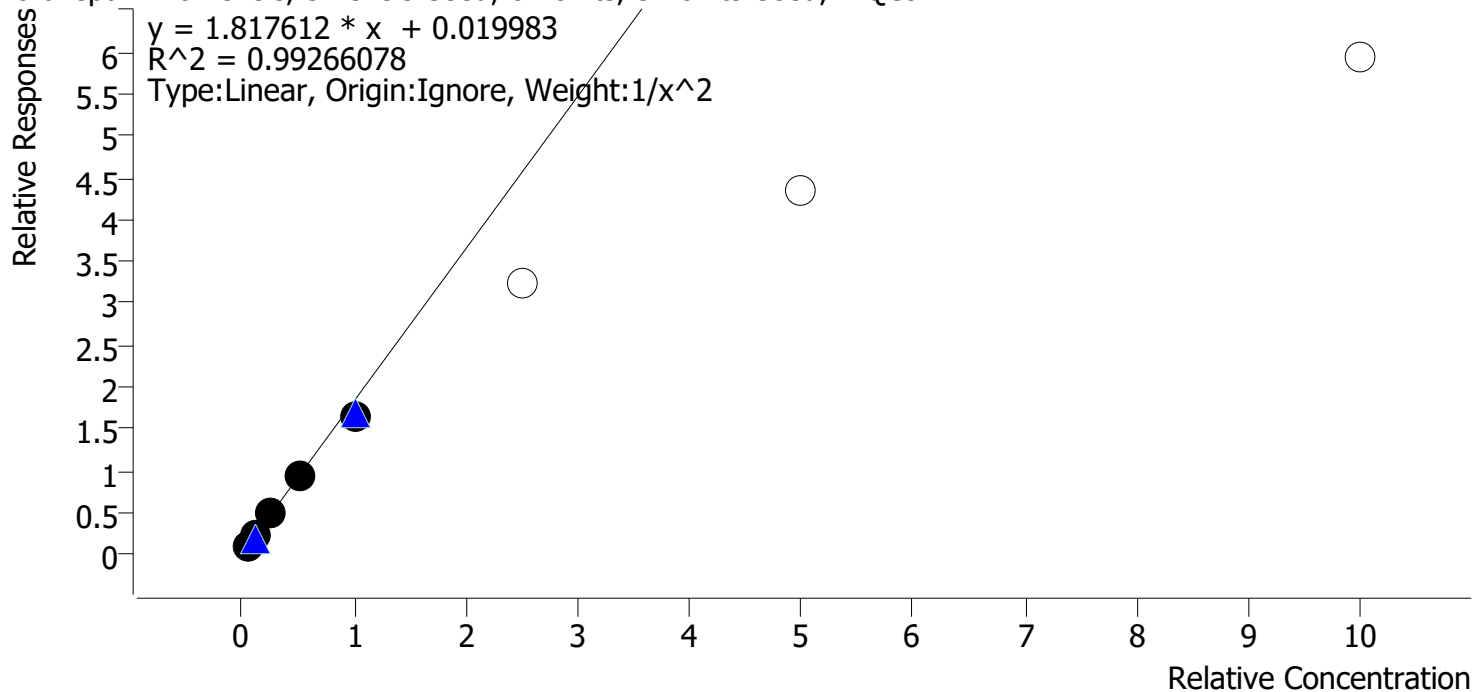


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	489.3	97.9
cal 8 mdq	8	✓	1000.0	940.6	94.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Diazepam-D5

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

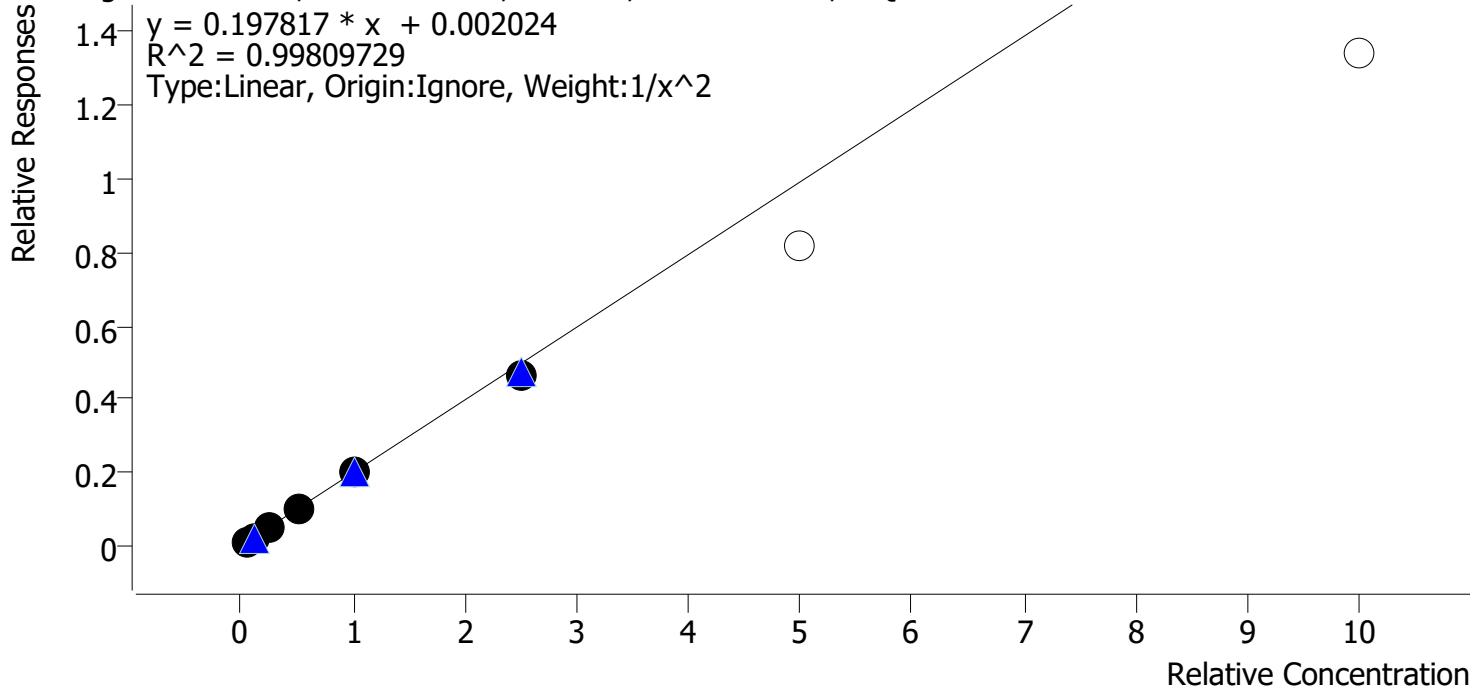


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.3
cal 2 mdq	2	✓	10.0	10.6	105.8
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	90.4	90.4
cal 6 mdq	6	✗	250.0	177.6	71.0
cal 7 mdq	7	✗	500.0	237.0	47.4
cal 8 mdq	8	✗	1000.0	325.4	32.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



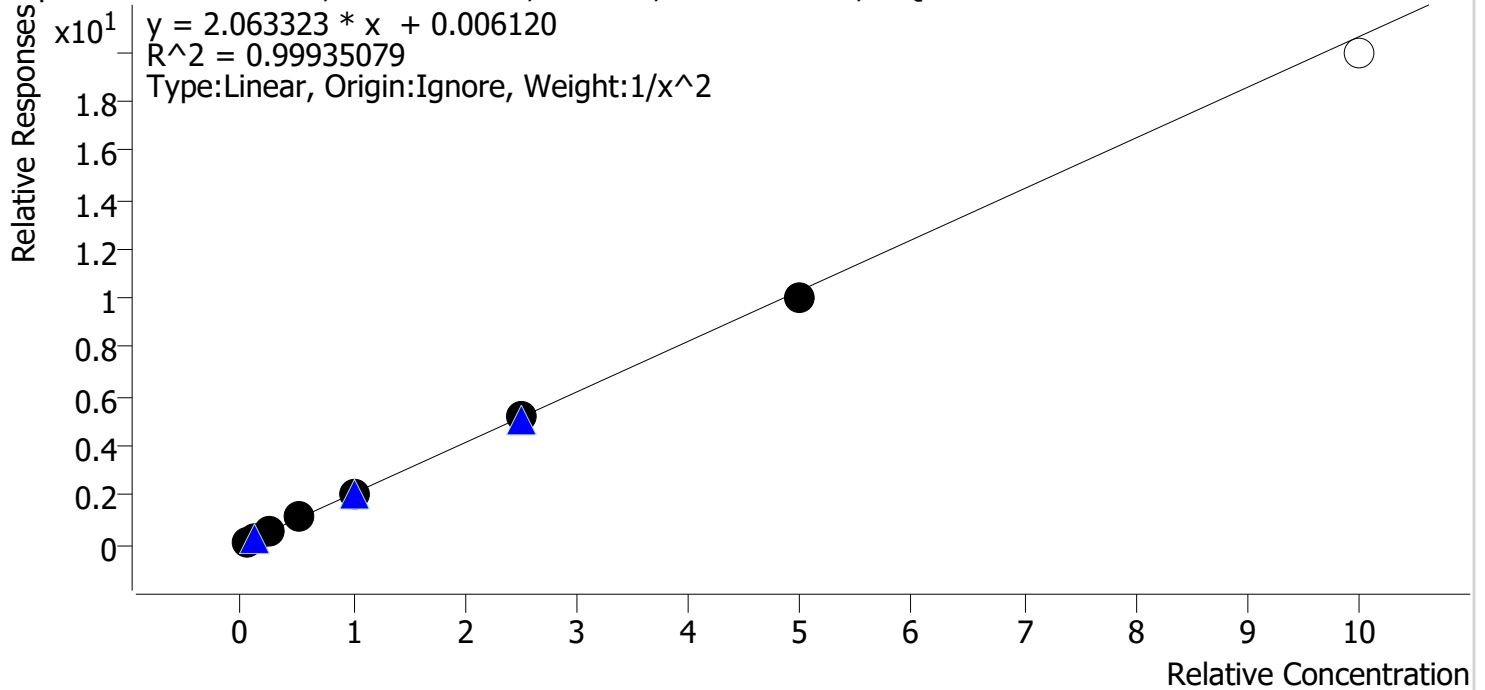
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	26.0	104.1
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	235.8	94.3
cal 7 mdq	7	✗	500.0	410.8	82.2
cal 8 mdq	8	✗	1000.0	676.3	67.6

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



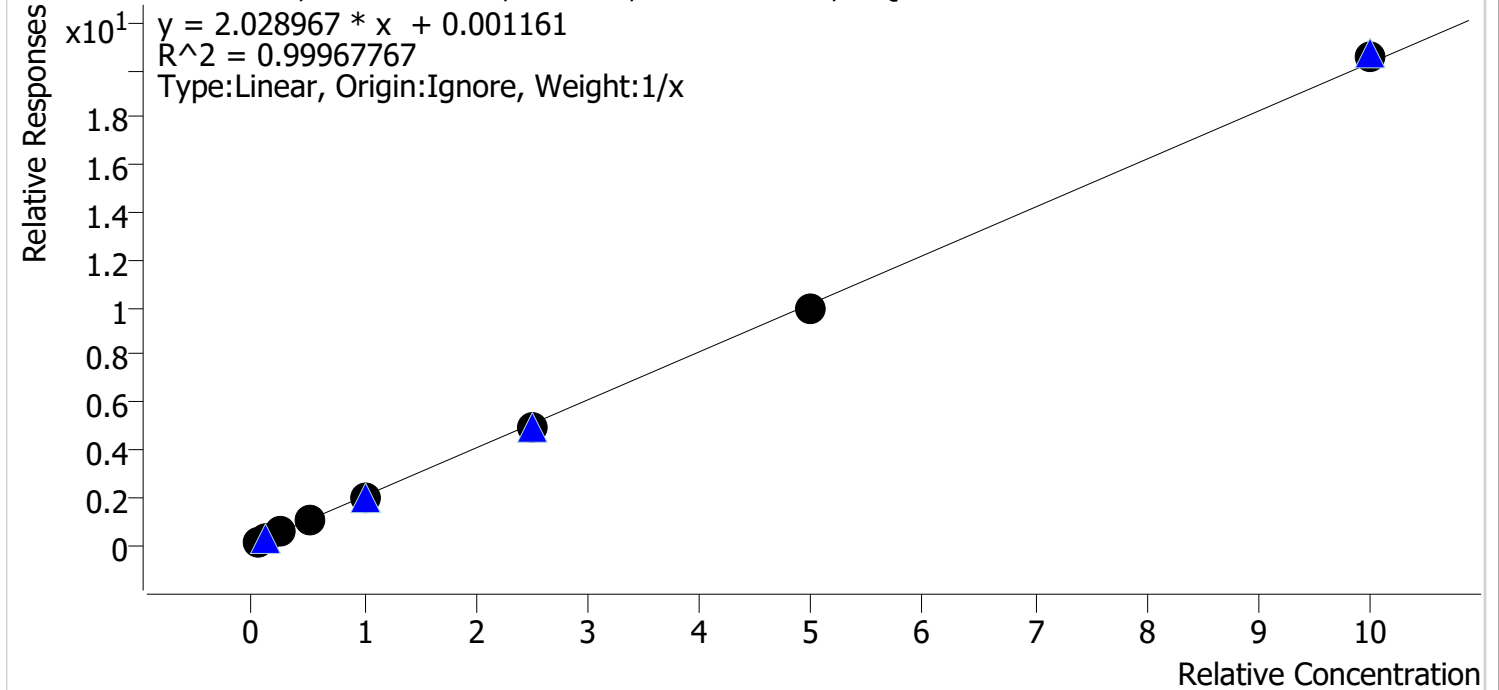
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	51.8	103.5
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	486.2	97.2
cal 8 mdq	8	✗	1000.0	966.5	96.6

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



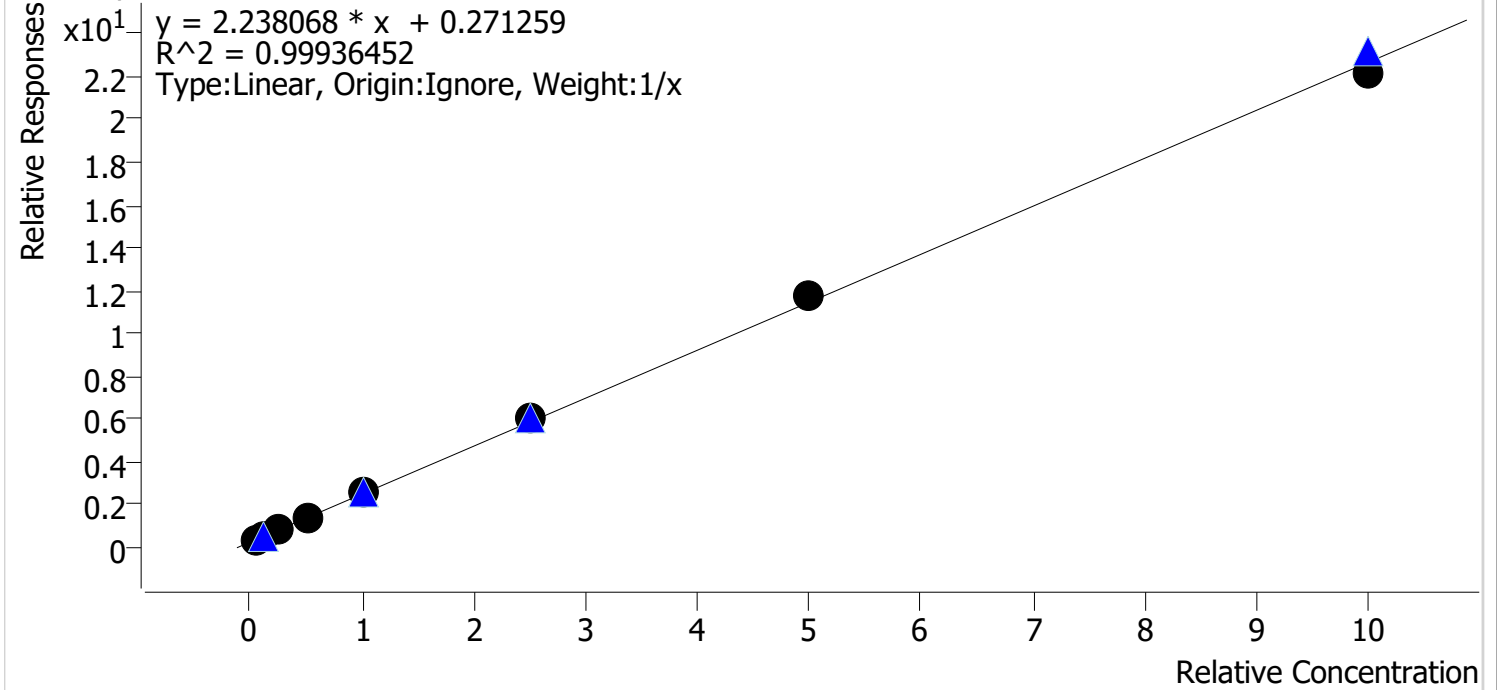
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.9
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	50.1	100.1
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	244.8	97.9
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	1015.8	101.6

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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

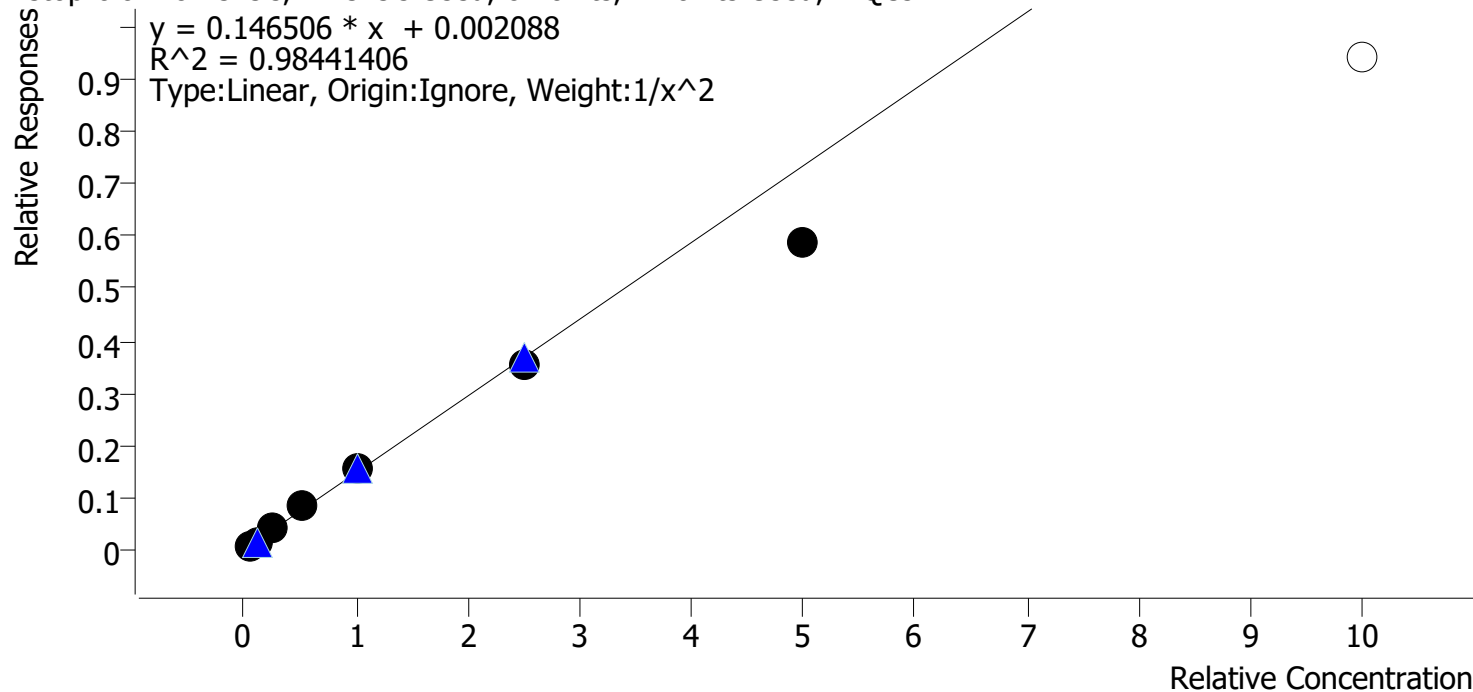


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.8
cal 2 mdq	2	✓	10.0	10.7	107.3
cal 3 mdq	3	✓	25.0	22.8	91.4
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	258.2	103.3
cal 7 mdq	7	✓	500.0	509.9	102.0
cal 8 mdq	8	✓	1000.0	981.0	98.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Doxylamine-D5

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

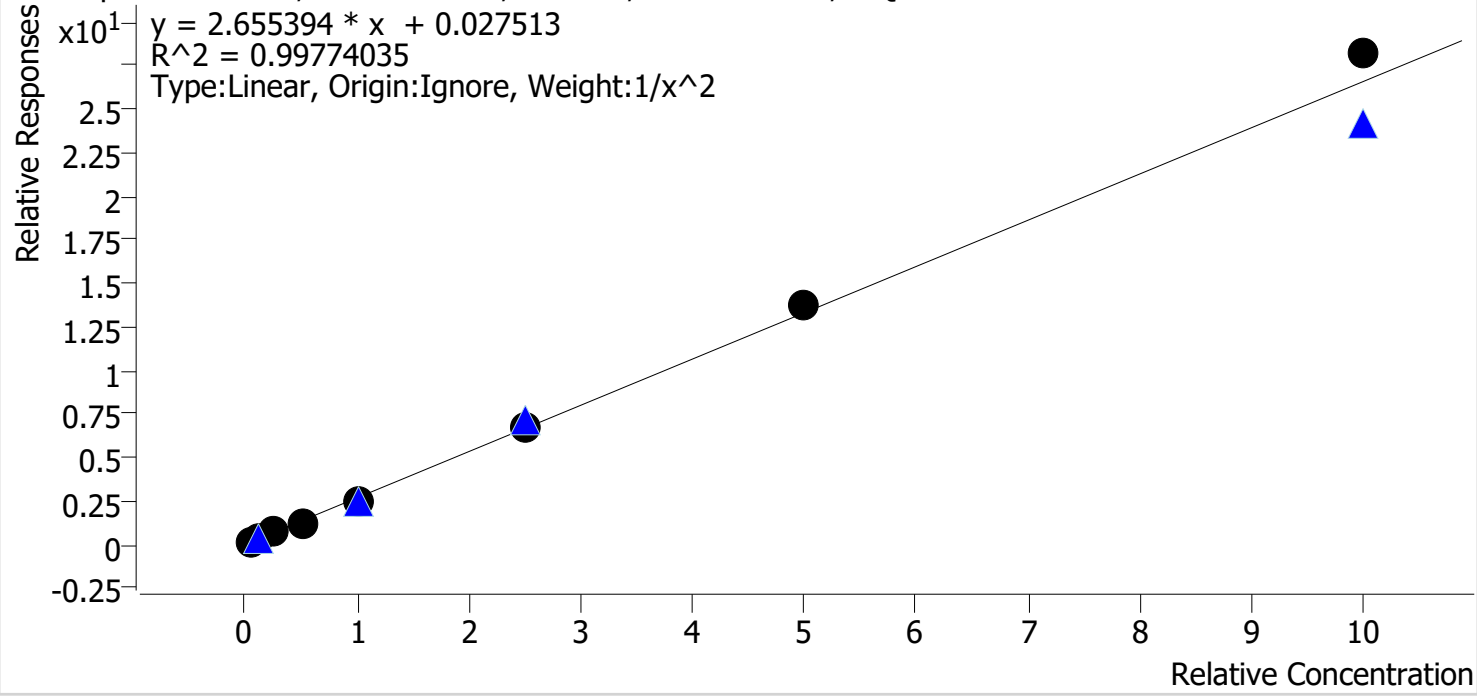


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	10.4	104.5
cal 3 mdq	3	✓	25.0	27.3	109.3
cal 4 mdq	4	✓	50.0	55.6	111.2
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	240.3	96.1
cal 7 mdq	7	✓	500.0	401.1	80.2
cal 8 mdq	8	x	1000.0	640.9	64.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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

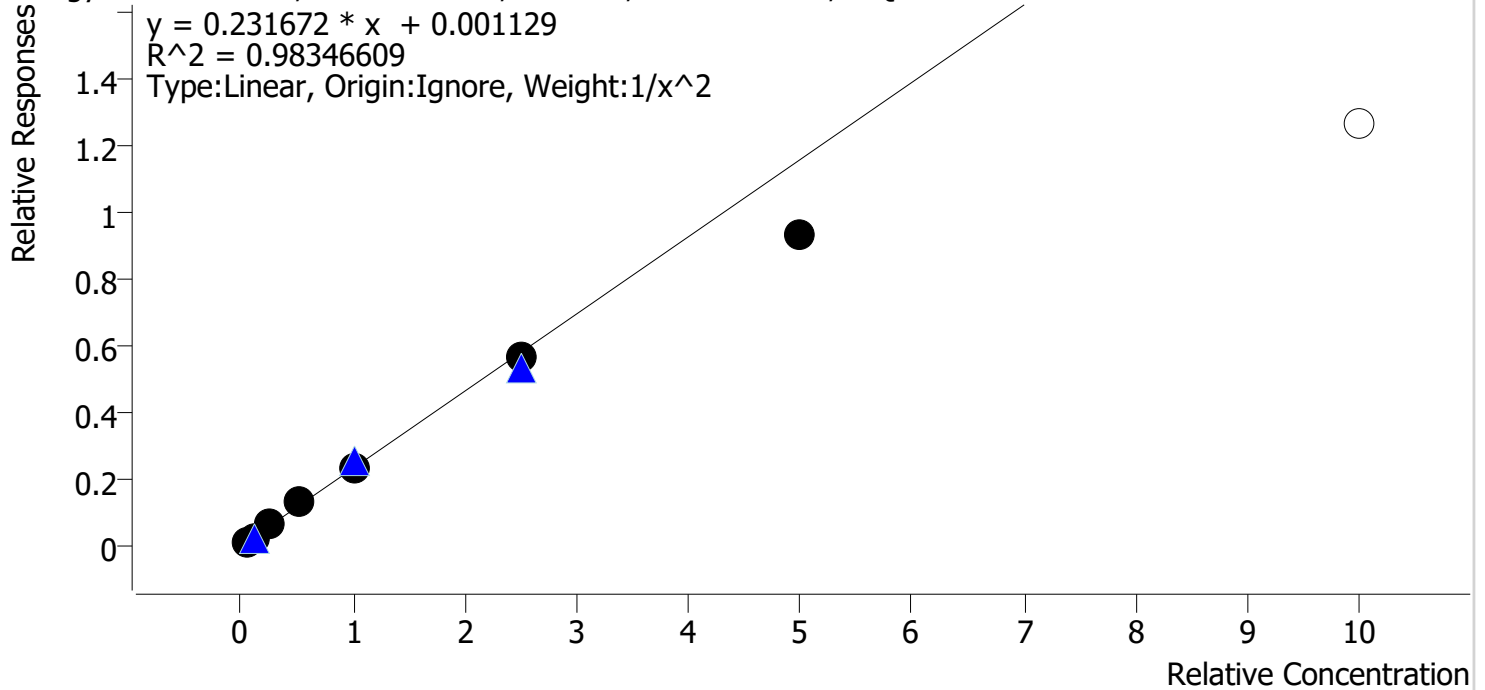


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	46.8	93.7
cal 5 mdq	5	✓	100.0	94.9	94.9
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	515.4	103.1
cal 8 mdq	8	✓	1000.0	1060.4	106.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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

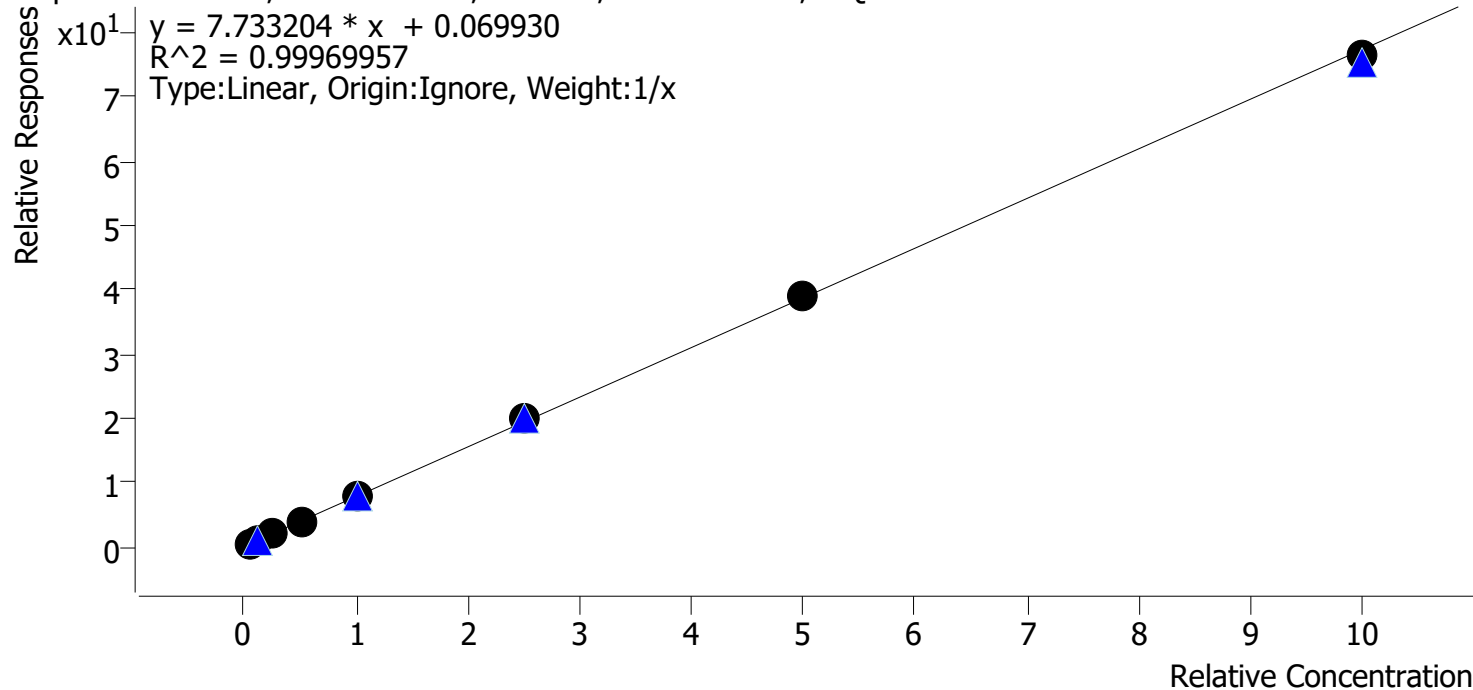


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	27.9	111.8
cal 4 mdq	4	✓	50.0	56.7	113.3
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	243.4	97.4
cal 7 mdq	7	✓	500.0	401.8	80.4
cal 8 mdq	8	x	1000.0	547.2	54.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

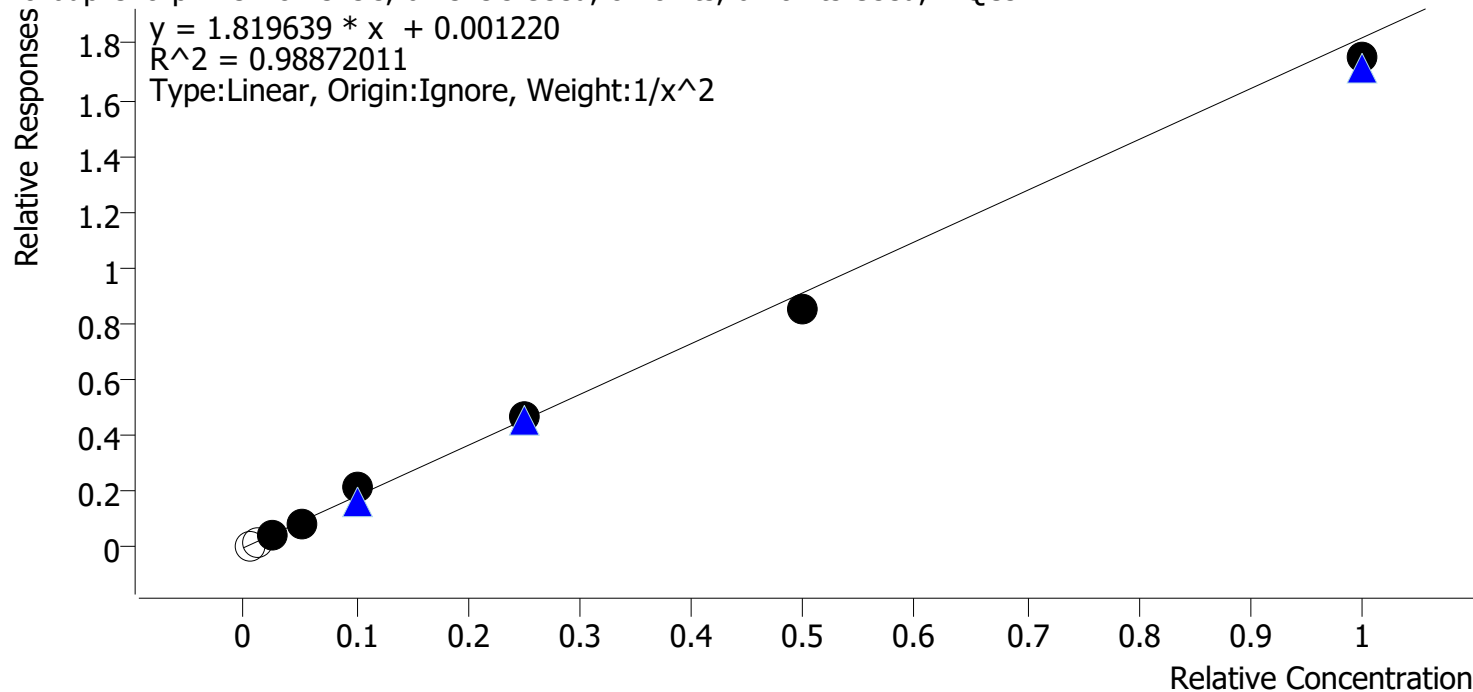


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.8
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	258.5	103.4
cal 7 mdq	7	✓	500.0	504.4	100.9
cal 8 mdq	8	✓	1000.0	987.8	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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

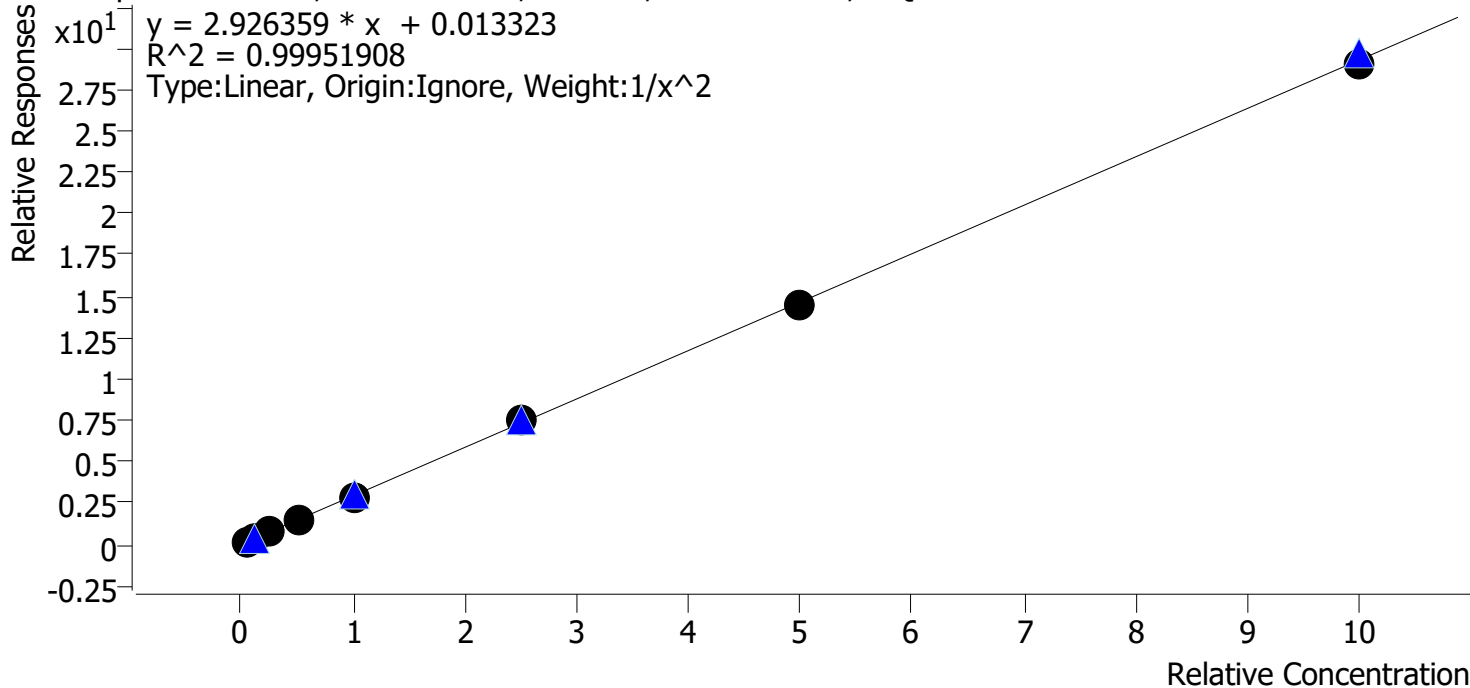


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.3	65.3
cal 2 mdq	2	x	1.0	1.0	102.6
cal 3 mdq	3	✓	2.5	2.5	99.8
cal 4 mdq	4	✓	5.0	4.6	92.9
cal 5 mdq	5	✓	10.0	11.6	115.8
cal 6 mdq	6	✓	25.0	25.6	102.2
cal 7 mdq	7	✓	50.0	46.6	93.2
cal 8 mdq	8	✓	100.0	96.1	96.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



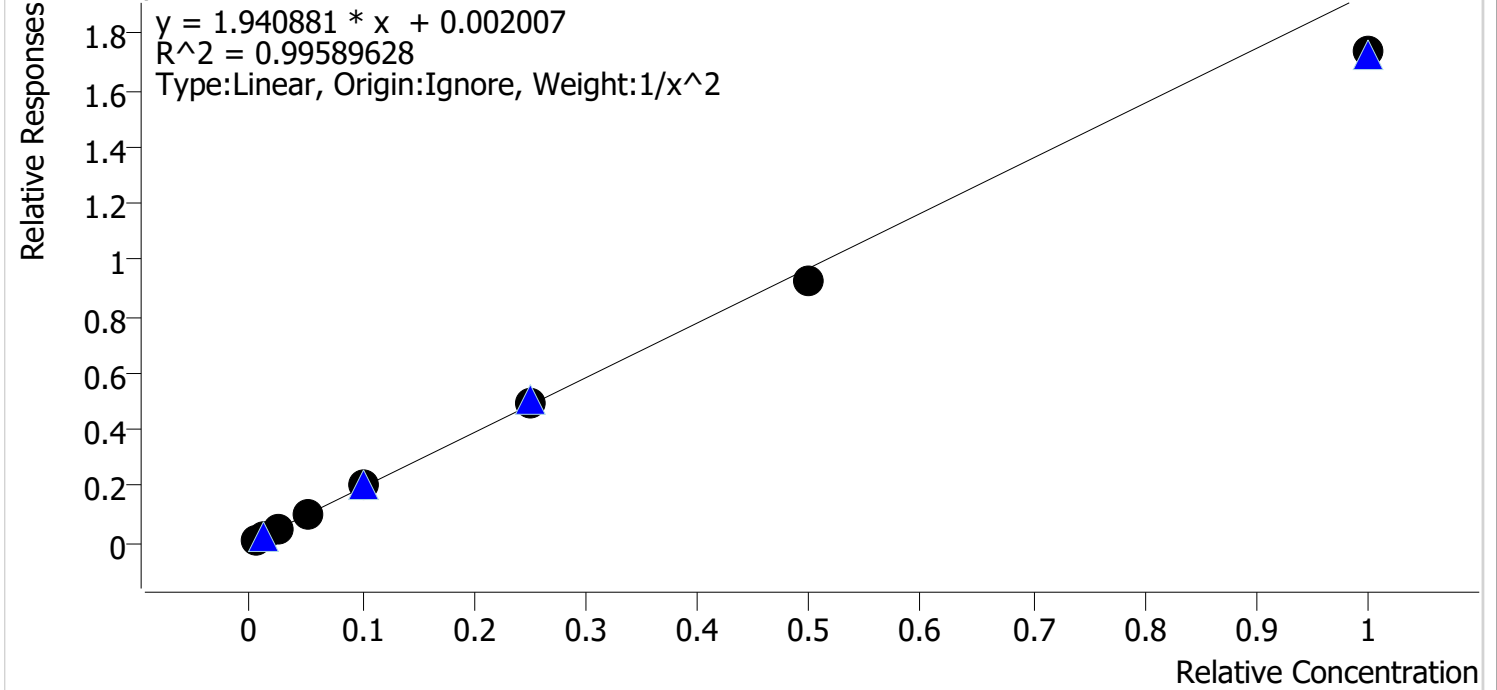
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	254.6	101.8
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	989.1	98.9

Compound Calibration Report

Bylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



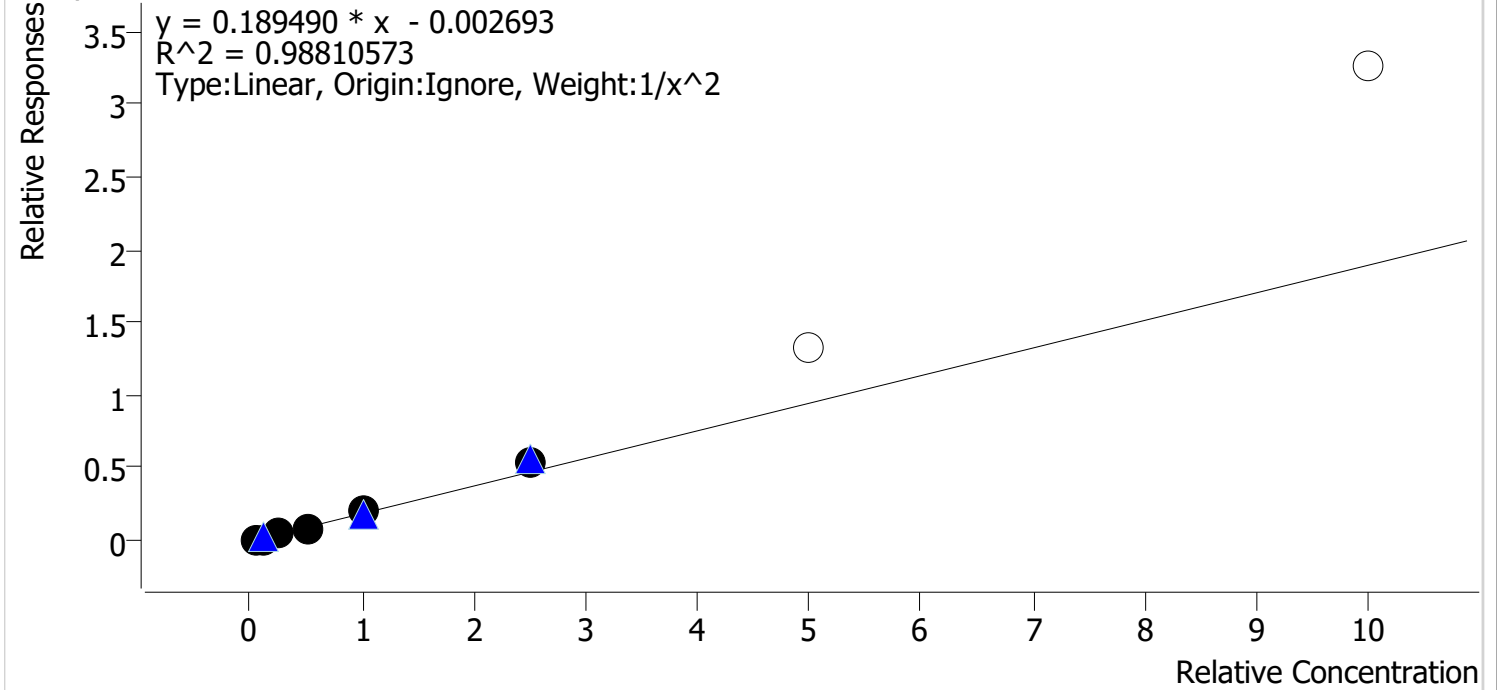
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.6
cal 2 mdq	2	✓	1.0	1.0	99.4
cal 3 mdq	3	✓	2.5	2.6	104.6
cal 4 mdq	4	✓	5.0	5.3	105.7
cal 5 mdq	5	✓	10.0	10.5	104.9
cal 6 mdq	6	✓	25.0	25.5	101.9
cal 7 mdq	7	✓	50.0	47.7	95.4
cal 8 mdq	8	✓	100.0	89.4	89.4

Compound Calibration Report

Byylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

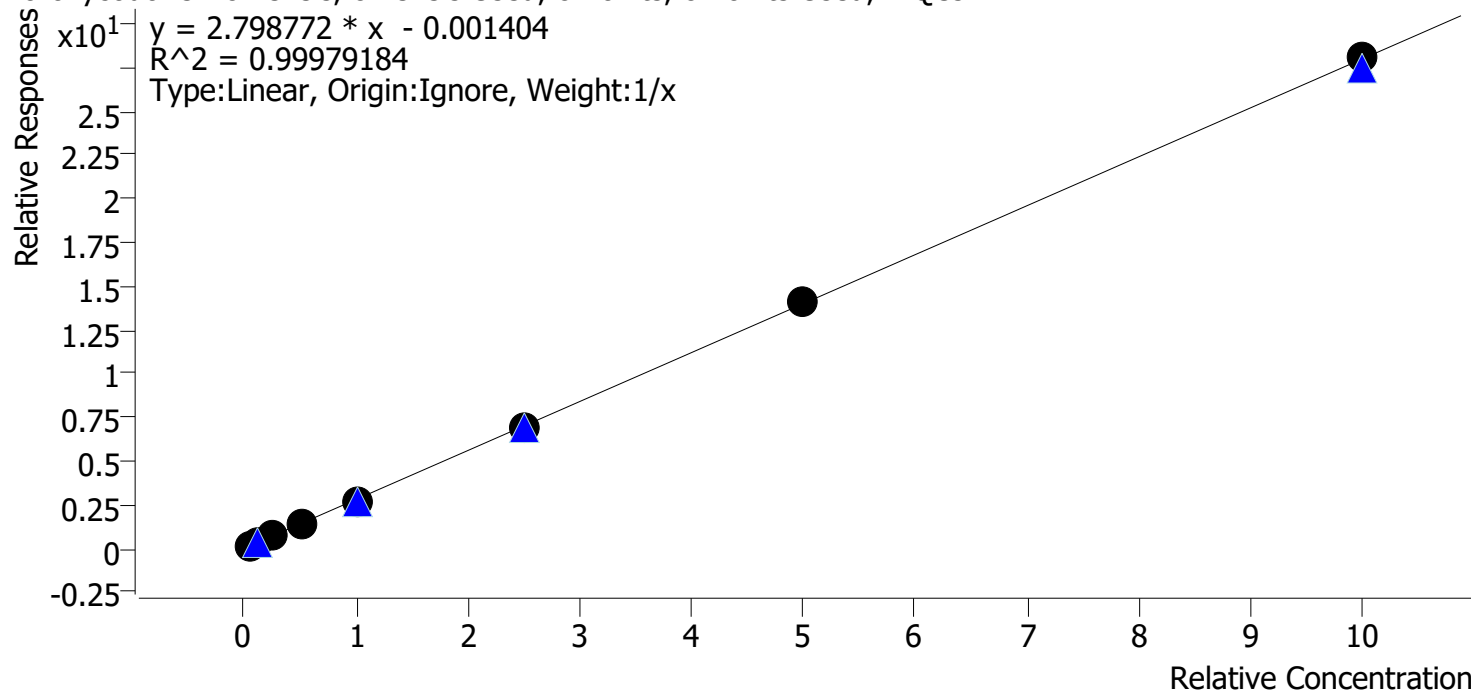


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.7
cal 2 mdq	2	✓	10.0	9.0	89.5
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	46.7	93.5
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	278.7	111.5
cal 7 mdq	7	✗	500.0	696.8	139.4
cal 8 mdq	8	✗	1000.0	1724.0	172.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

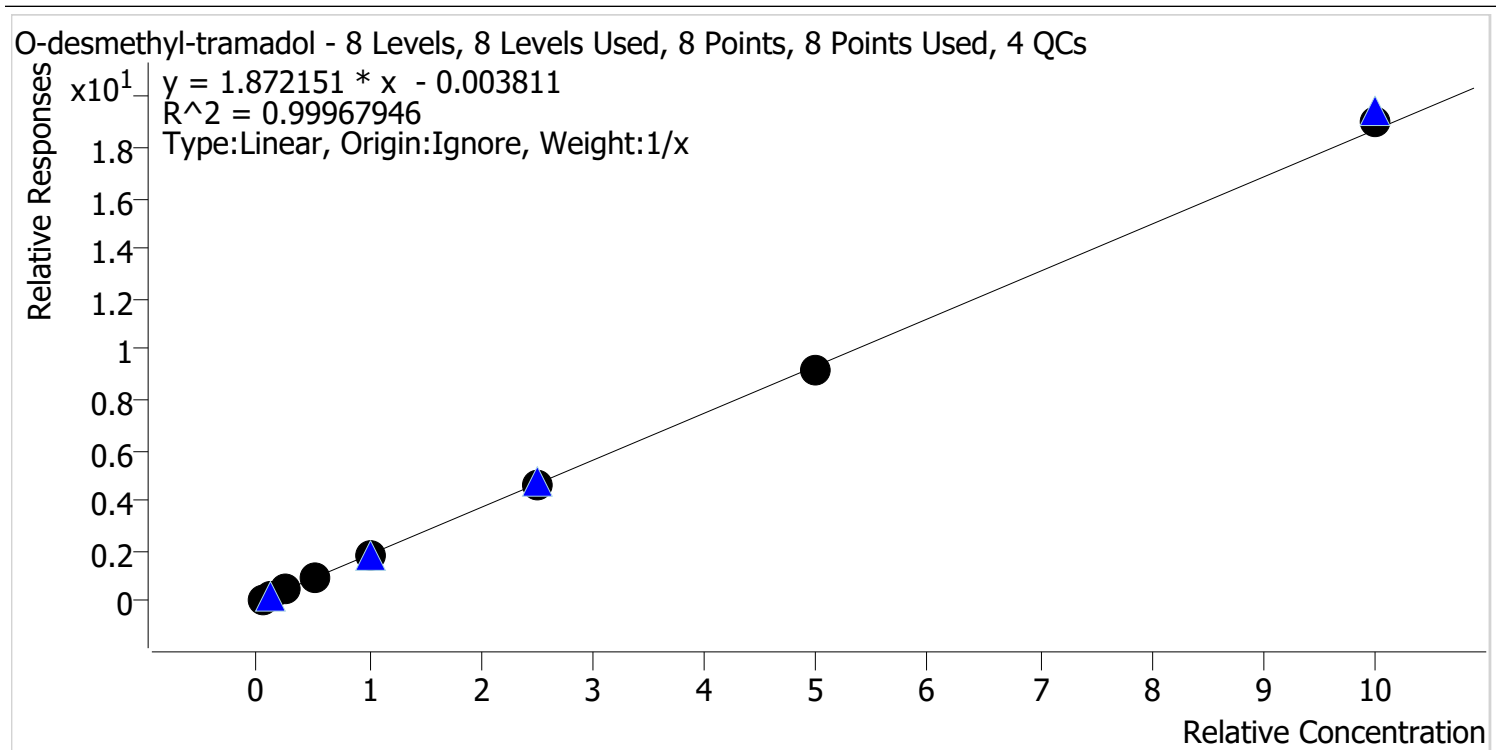
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.2
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	95.4	95.4
cal 6 mdq	6	✓	250.0	246.1	98.4
cal 7 mdq	7	✓	500.0	505.8	101.2
cal 8 mdq	8	✓	1000.0	1002.9	100.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

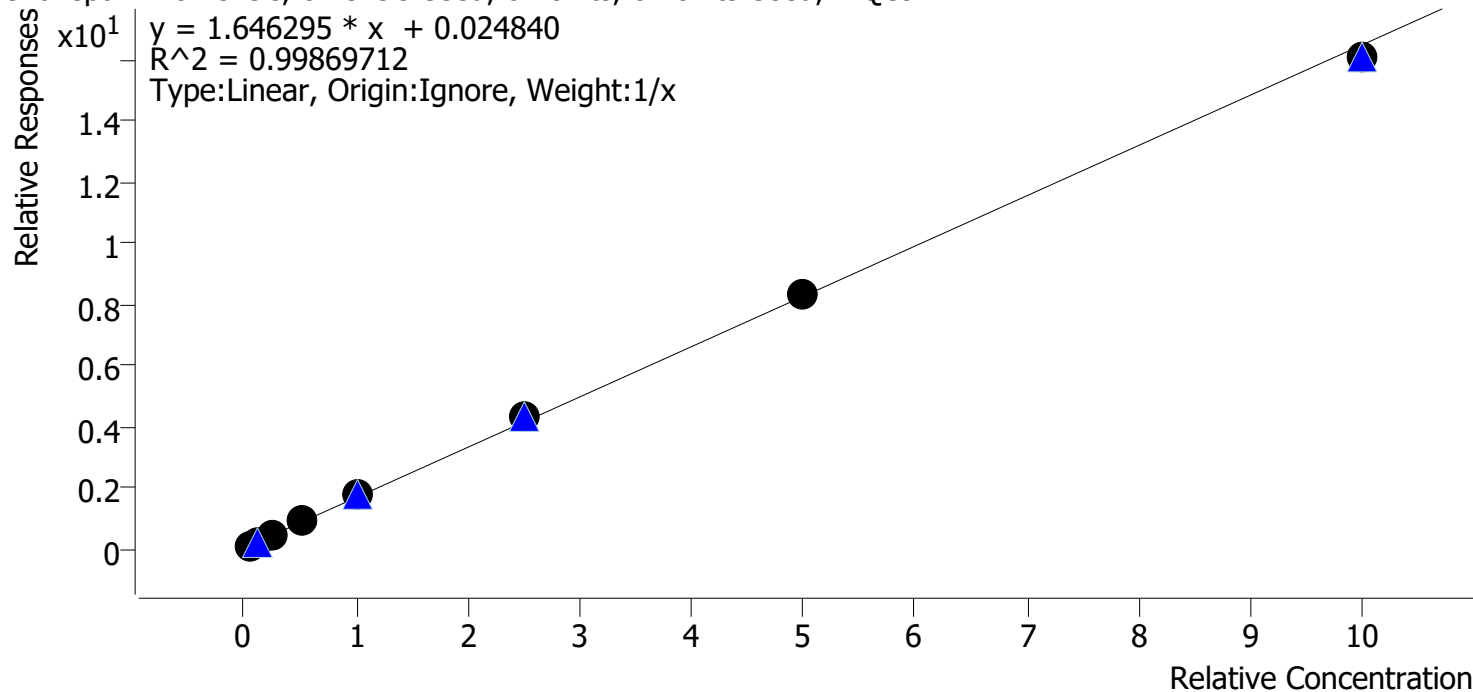


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.4
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	244.8	97.9
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	1014.9	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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

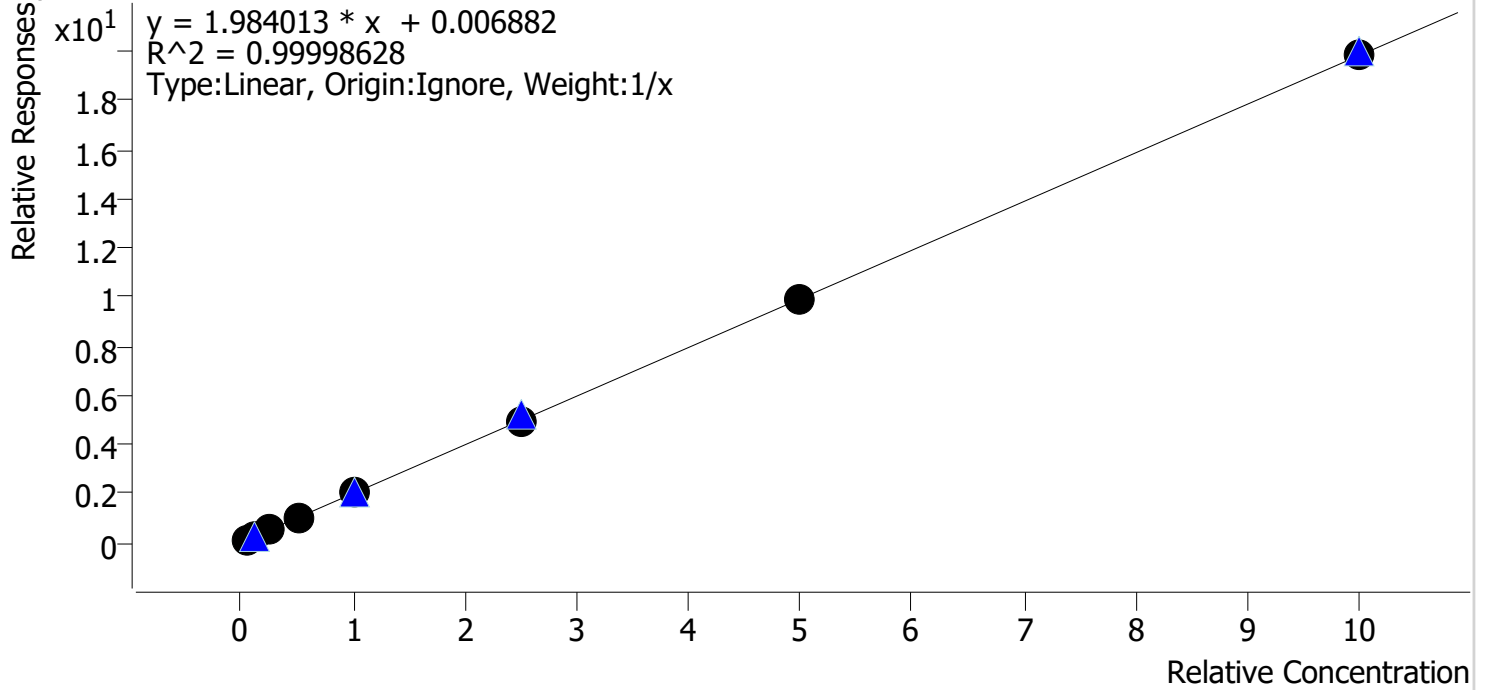


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	83.8
cal 2 mdq	2	✓	10.0	9.5	95.0
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	54.6	109.1
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	262.8	105.1
cal 7 mdq	7	✓	500.0	505.5	101.1
cal 8 mdq	8	✓	1000.0	972.7	97.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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

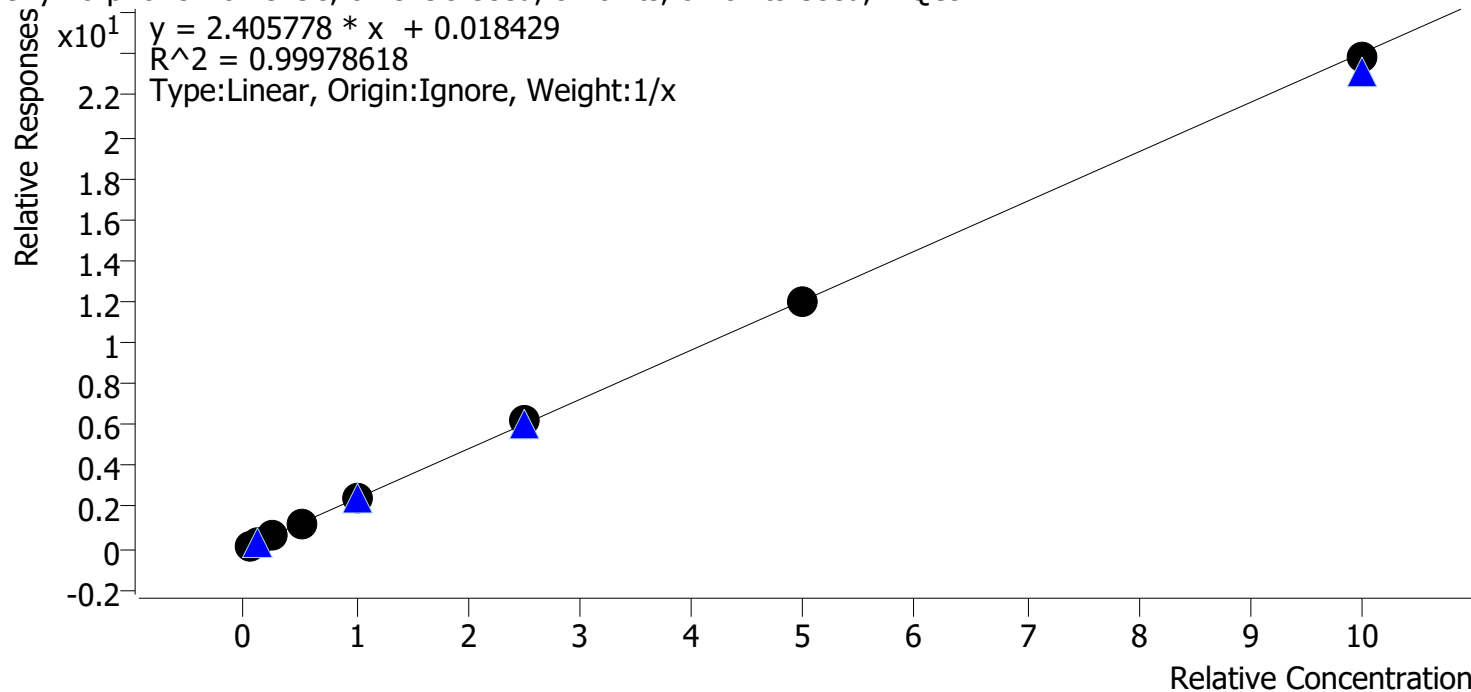


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	498.8	99.8
cal 8 mdq	8	✓	1000.0	1000.8	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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

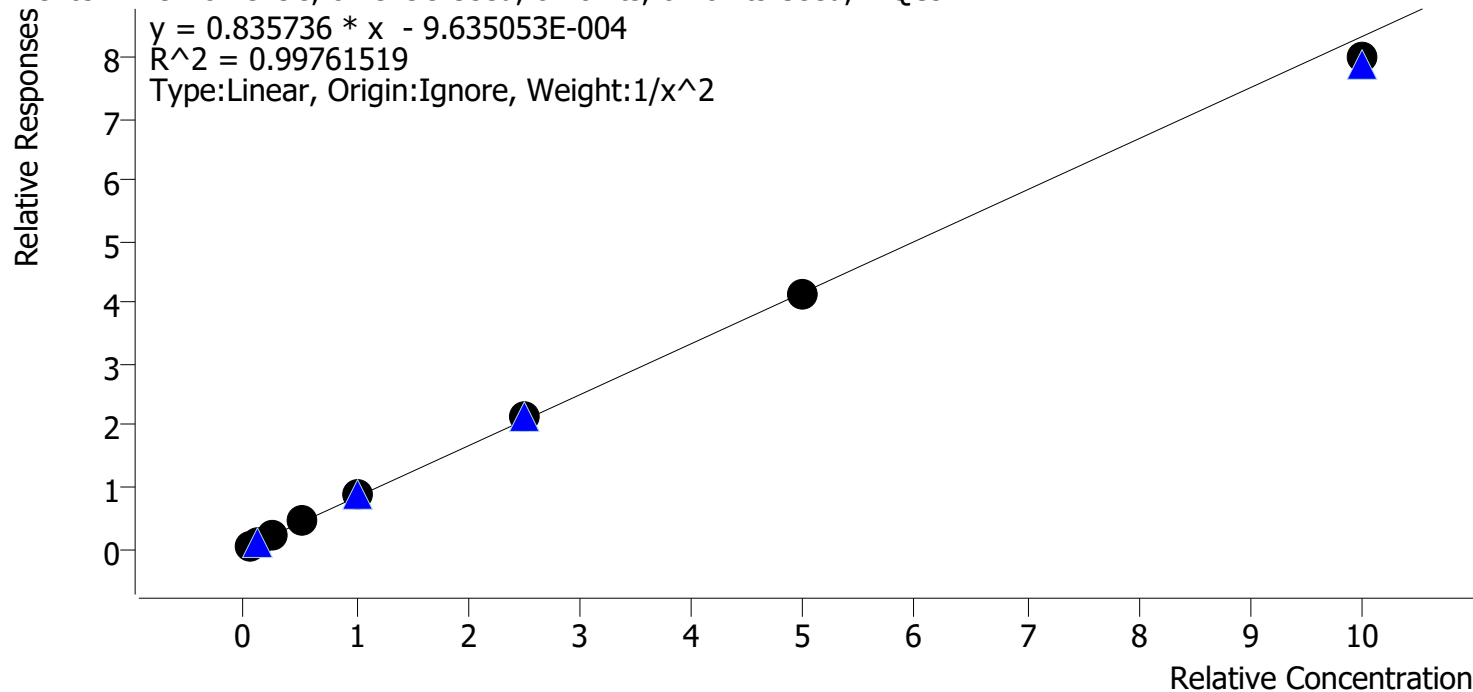


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.4
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	257.0	102.8
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	990.5	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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

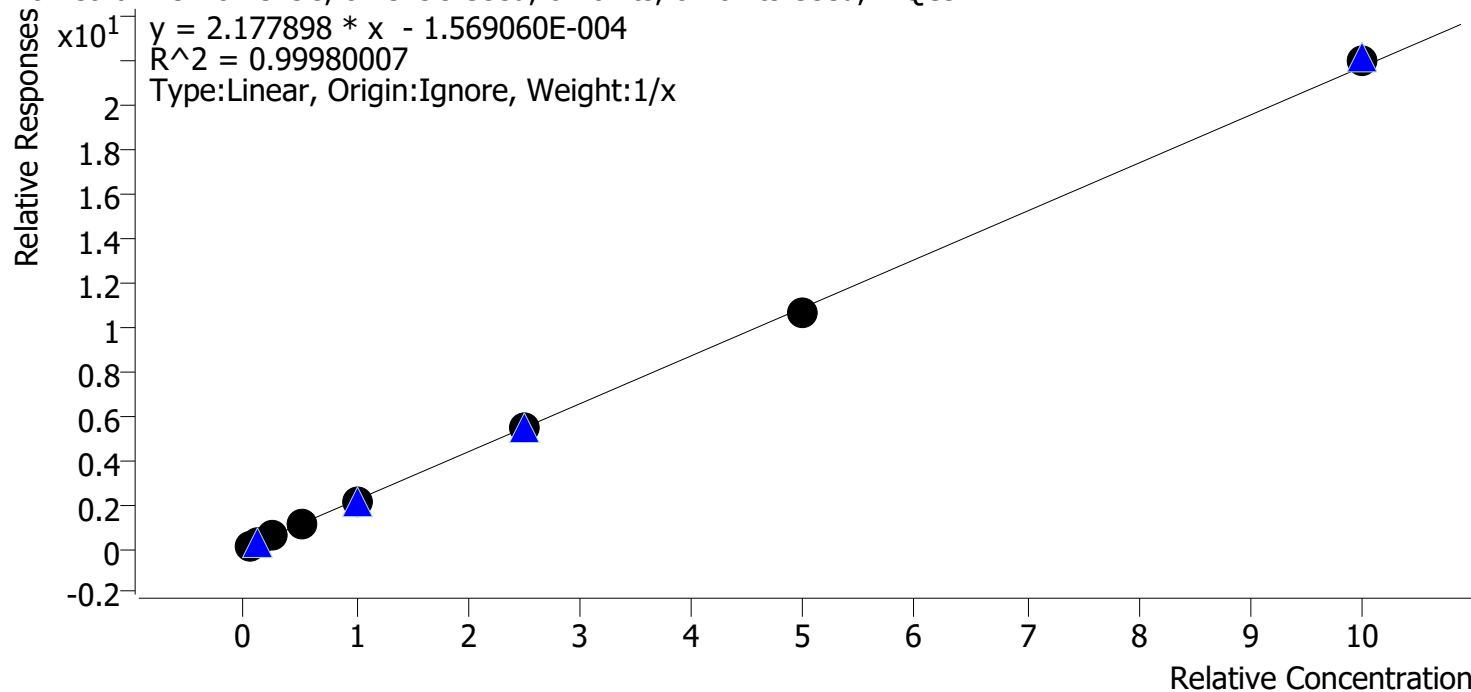


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.4
cal 2 mdq	2	✓	10.0	9.3	92.9
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	258.7	103.5
cal 7 mdq	7	✓	500.0	495.2	99.0
cal 8 mdq	8	✓	1000.0	958.7	95.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



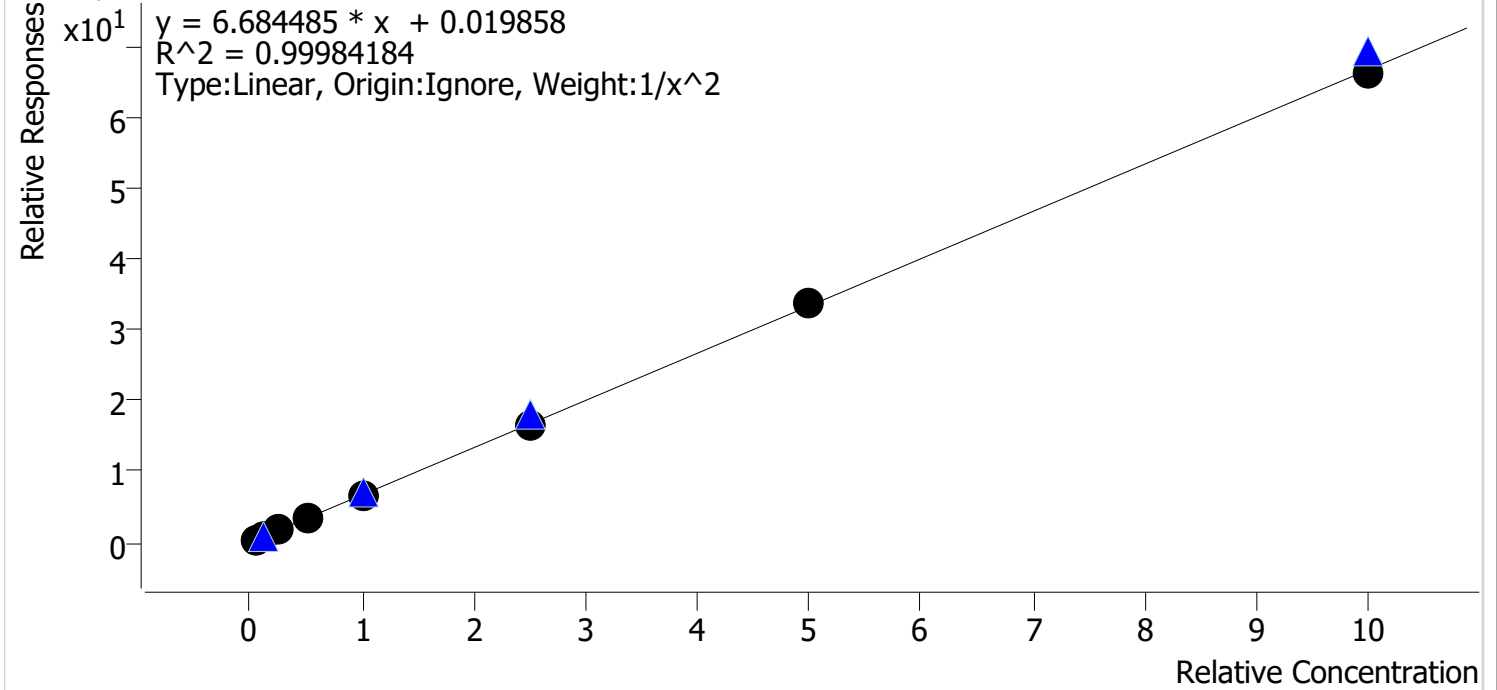
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	1010.0	101.0

Compound Calibration Report

Byyle

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



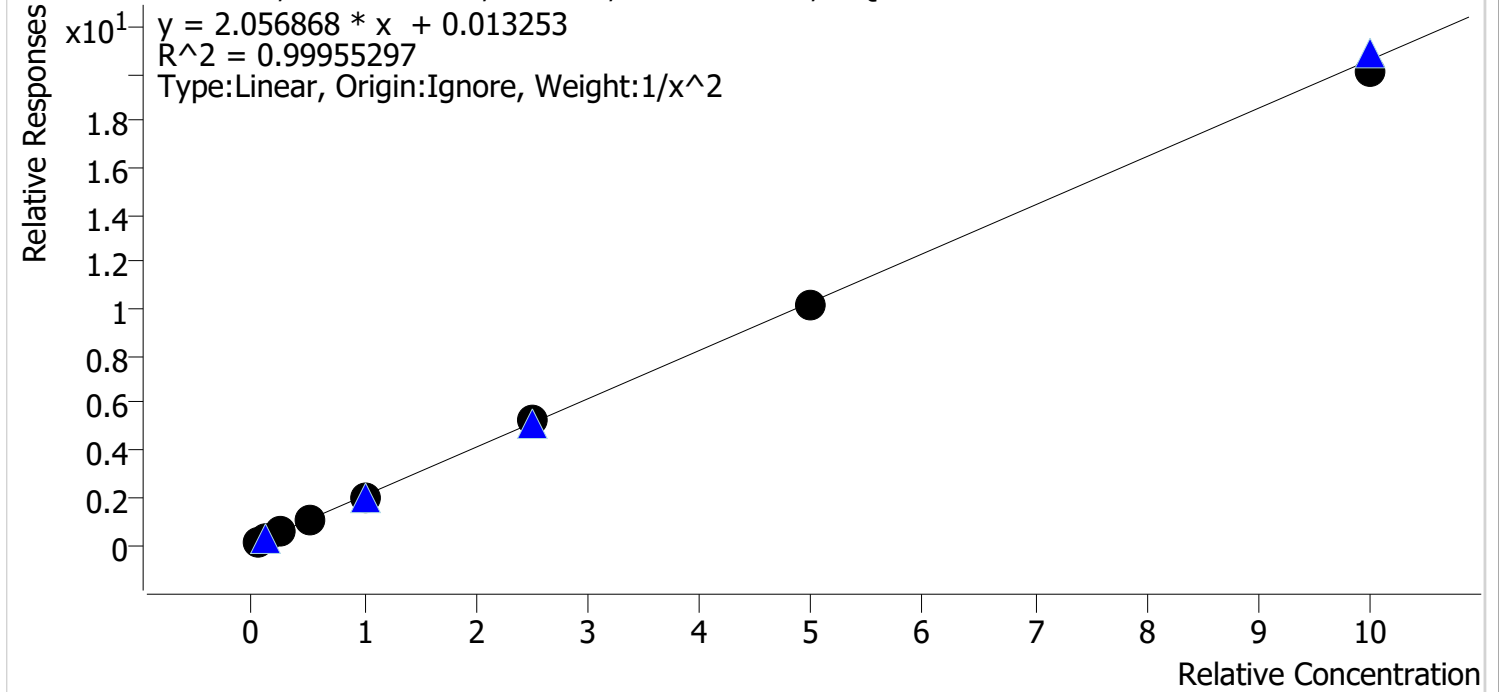
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	509.7	101.9
cal 8 mdq	8	✓	1000.0	989.9	99.0

Compound Calibration Report

B. Wylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

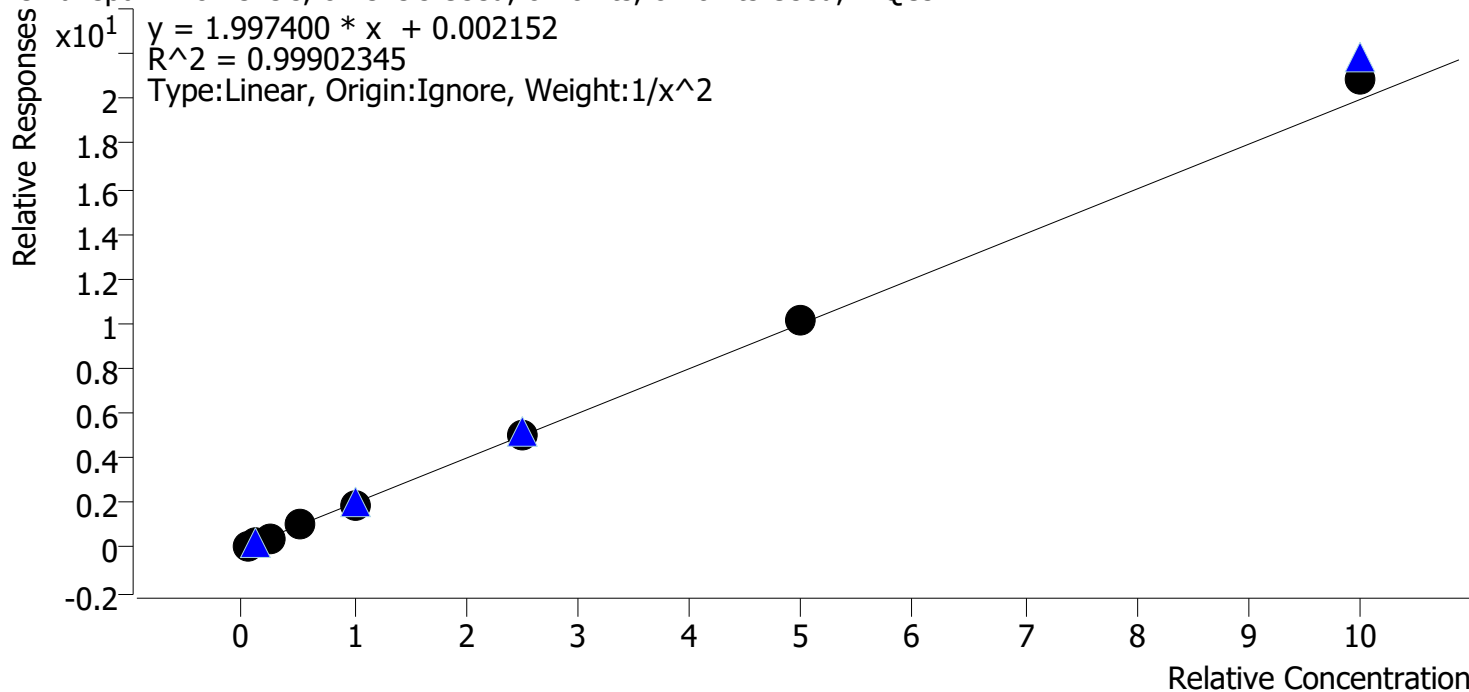


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.4	101.8
cal 4 mdq	4	✓	50.0	51.0	101.9
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	254.5	101.8
cal 7 mdq	7	✓	500.0	492.3	98.5
cal 8 mdq	8	✓	1000.0	972.2	97.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

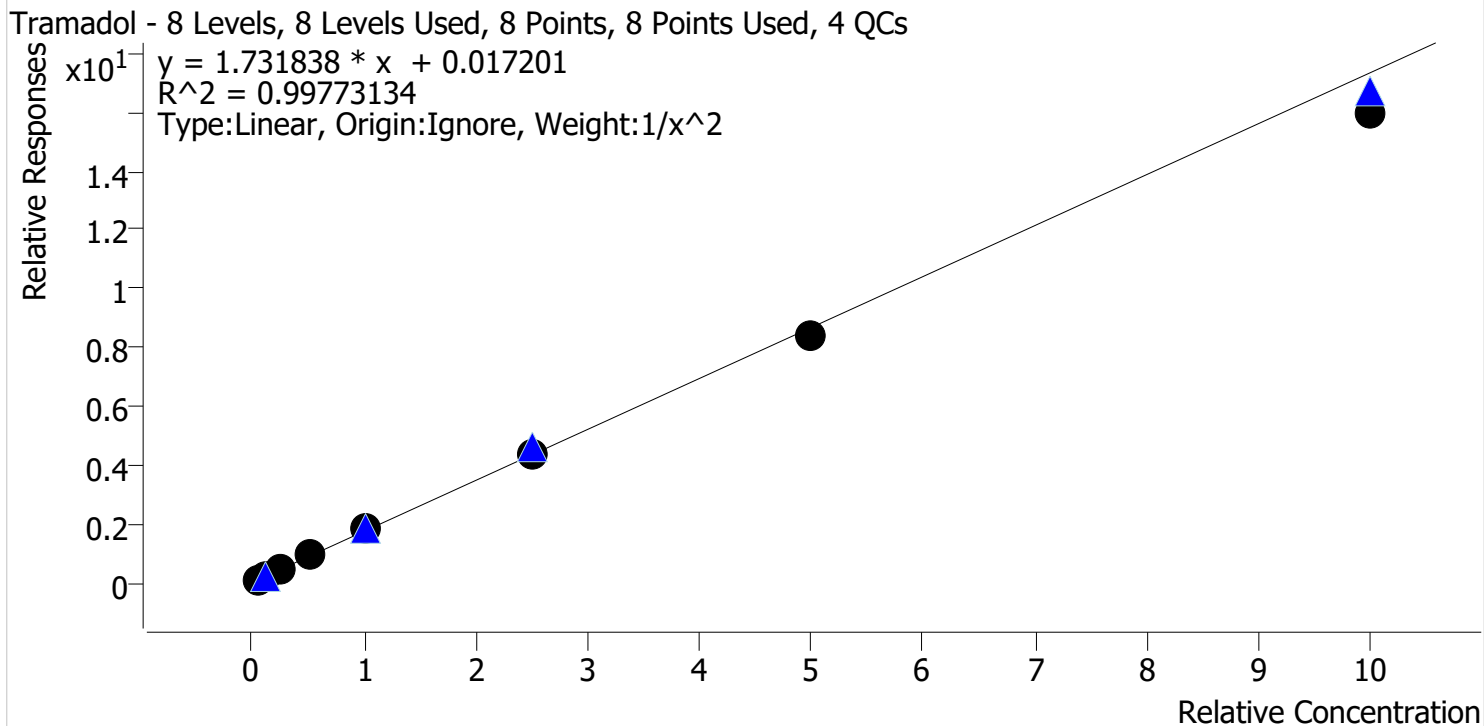
Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	511.3	102.3
cal 8 mdq	8	✓	1000.0	1048.5	104.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

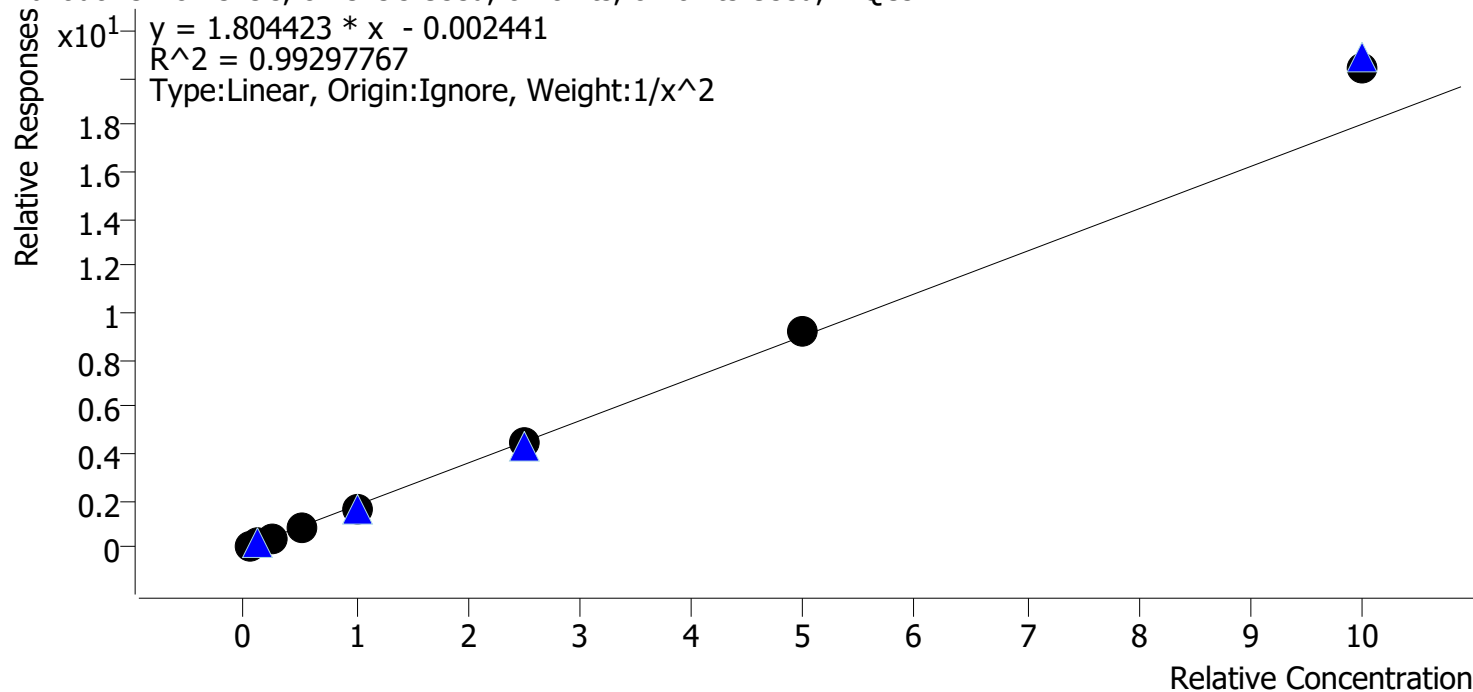


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	52.4	104.7
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	253.1	101.2
cal 7 mdq	7	✓	500.0	485.1	97.0
cal 8 mdq	8	✓	1000.0	919.8	92.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

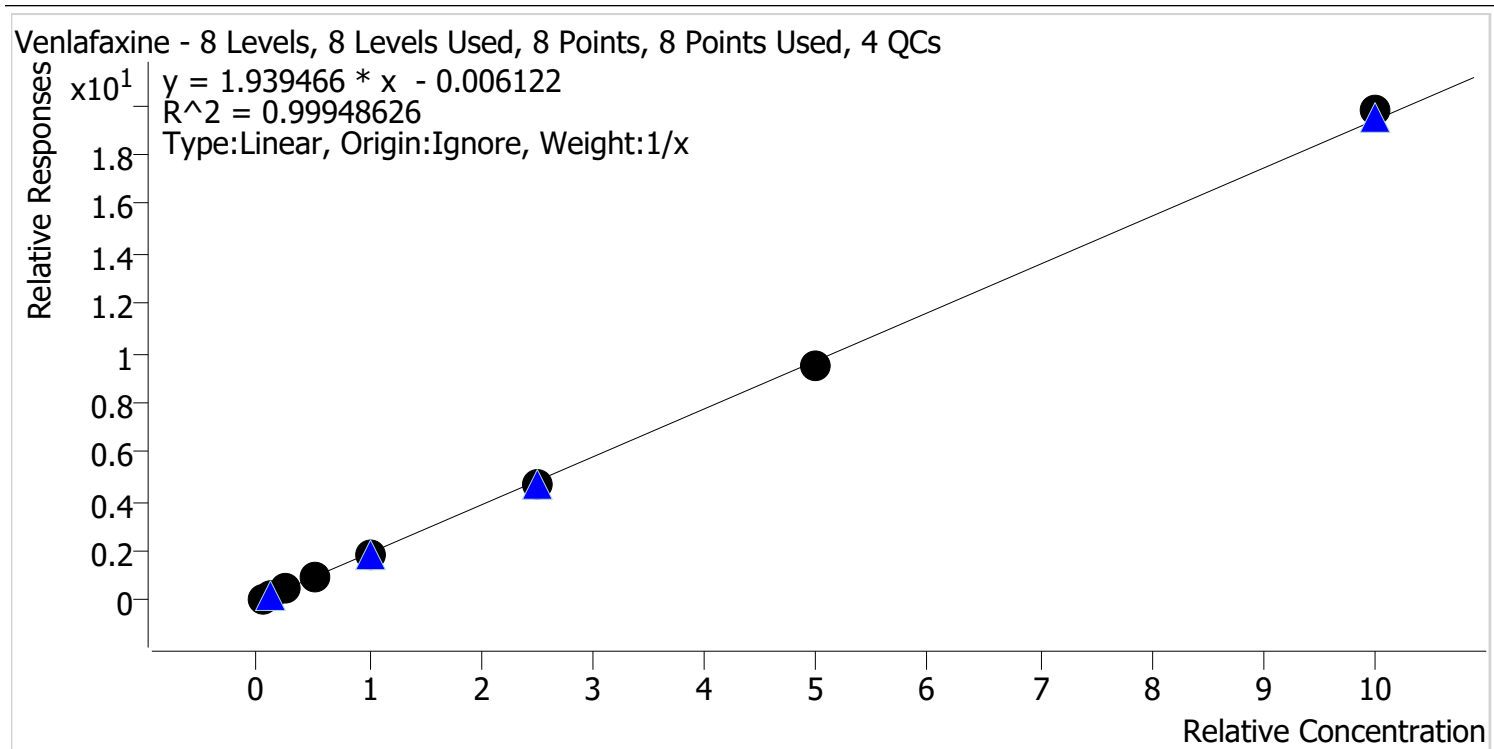
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.7	107.1
cal 3 mdq	3	✓	25.0	23.2	92.8
cal 4 mdq	4	✓	50.0	46.5	93.1
cal 5 mdq	5	✓	100.0	93.5	93.5
cal 6 mdq	6	✓	250.0	247.5	99.0
cal 7 mdq	7	✓	500.0	513.3	102.7
cal 8 mdq	8	✓	1000.0	1130.7	113.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



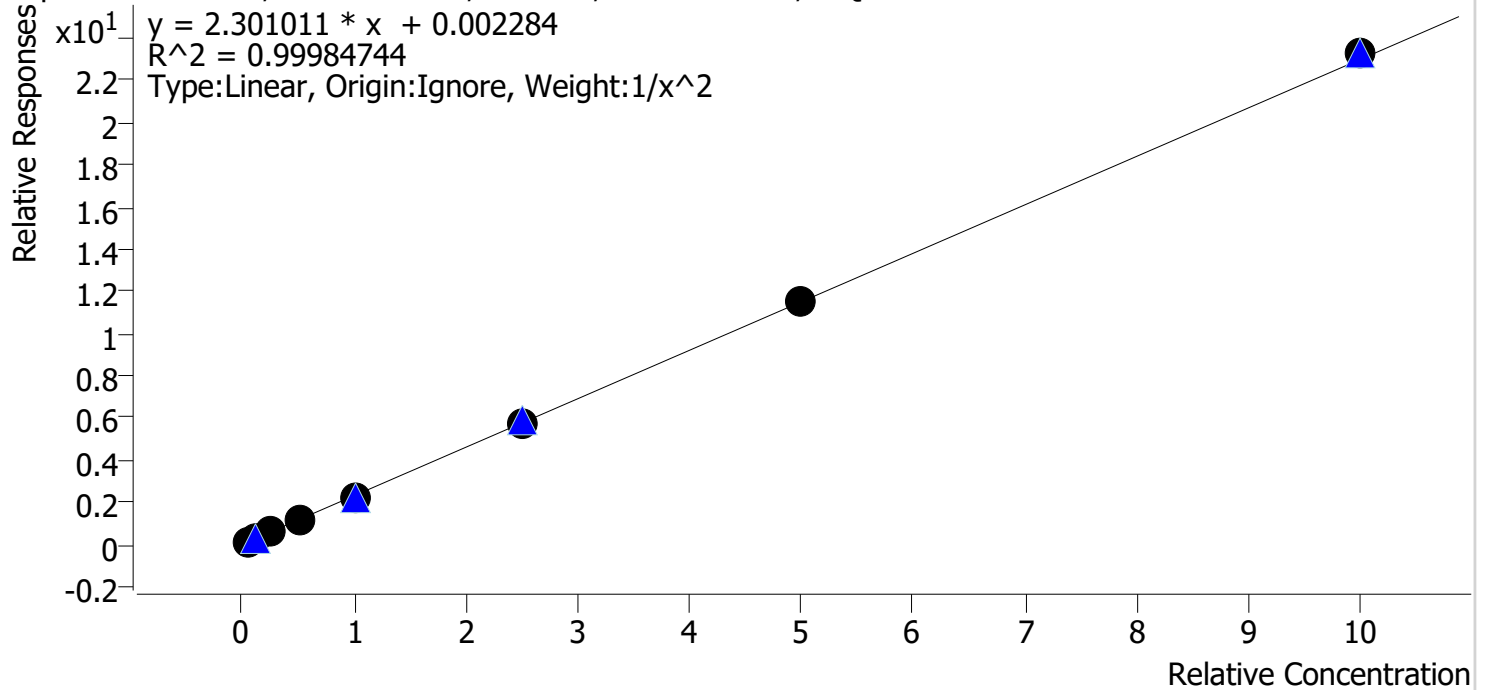
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.3
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	95.9	95.9
cal 6 mdq	6	✓	250.0	244.1	97.6
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	1019.6	102.0

Compound Calibration Report

Byylee

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Last Cal. Update 4/18/2020 10:22 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	50.0	99.9
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	251.4	100.5
cal 7 mdq	7	✓	500.0	501.7	100.3
cal 8 mdq	8	✓	1000.0	1011.6	101.2

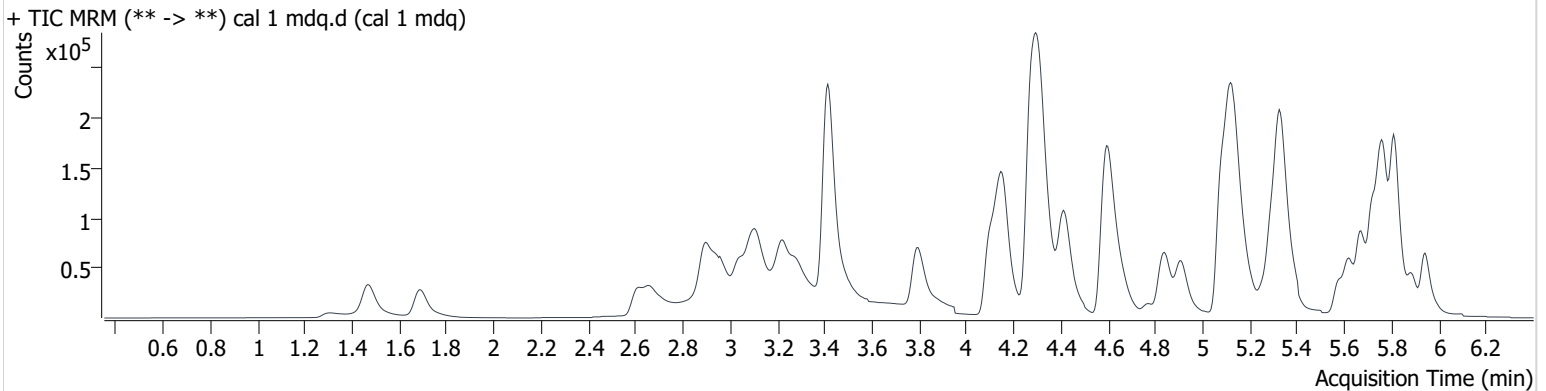
Wylie

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument 69679 **Data File** cal 1 mdq.d
Type Cal **Sample** cal 1 mdq
Acq. Method mdq p1 cda 121818.m **Operator** Brittany Wylie
Sample Position P2-A1 **Comment**
Injection Volume 2
Acq. Date-Time 4/17/2020 7:32:49 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	670	628.3	86.4	412.3	39427	0.436 ng/ml
7-aminoclonazepam	4.308	16701	285.1	84.1	4739.5	143683	4.855 ng/ml
a-hydroxyalprazolam	5.704	3254	195.9	63.7	2937.5	33461	4.859 ng/ml
alpha-PVP	4.428	36725	1296.2	53.6	1660.8	310744	5.196 ng/ml
Alprazolam	5.777	23098	1907.5	106.8	1282.5	153211	5.223 ng/ml
Amphetamine	3.122	37159	289.6	63.0	252.8	139104	4.972 ng/ml
Benzoyllecgonine	3.911	1168	48.3	6.7	4.4 Low	7257	6.346 ng/ml
Buprenorphine	5.837	219	54.3	14.7	113.8	16114	0.690 ng/ml
Bupropion	4.860	27204	1008.1	59.1	310.3	213507	5.007 ng/ml
Carisoprodol	5.729	22491	1367.0	78.2 High	238.6	207464	4.858 ng/ml
Citalopram	5.262	11182	582.6	47.7	7581.9	91509	4.855 ng/ml
Clonazepam	5.623	20283	137.9	32.7	1124.9	64765	4.959 ng/ml
Cocaine	4.317	31839	19496.0	47.2	1838.4	479661	5.165 ng/ml
Codeine	2.719	4249	312.4	110.6	959.1	43530	5.015 ng/ml
Cyclobenzaprine	5.646	4940	11812.3	9.0	53.0	35545	4.827 ng/ml
Dextromethorphan	5.316	5555	3368.7	84.1	1194.8	49964	4.997 ng/ml
Dextrorphan	4.162	7865	19307.7	210.1	2987.5	172309	5.260 ng/ml
Diazepam	5.948	14307	1297.4	88.8	2383.4	135523	5.100 ng/ml
Dihydrocodeine	2.652	11674	3900.2	61.6	60.5	125385	4.967 ng/ml
Diphenhydramine	5.337	37700	168.1	34.4	3335.8	384641	5.261 ng/ml
Doxylamine	4.610	81033	3465.8	92.0	3281.8	671441	5.015 ng/ml
EDDP	5.300	10440	1960.8	250.7	2995.9	231873	5.008 ng/ml
Fentanyl	5.179	758	8.8 Low	77.5	403.4	76937	0.541 ng/ml
Fluoxetine	5.721	3235	1596.9	8.8	615.6	23438	4.636 ng/ml
Hydrocodone	3.124	16521	936.9	35.4	53.5	178446	4.855 ng/ml
Hydromorphone	1.703	13452	2429.9	74.4	725.2	98858	5.342 ng/ml
Ketamine	4.158	29147	91.8	35.3	269.7	274095	4.885 ng/ml
Lamotrigine	4.360	3228	443.2	87.2	452.3	274095	4.931 ng/ml
Lorazepam	5.751	14563	699.0	63.1	37.0	135523	4.813 ng/ml
Meprobamate	4.932	16711	2179.5	28.7	463.4	153268	4.988 ng/ml
Methadone	5.669	18890	541.6	47.7	780.8	173901	5.296 ng/ml
Methamphetamine	3.284	65331	∞	44.2	∞	173133	4.740 ng/ml
Metoprolol	4.364	6068	17303.2	99.9	1001.2	671441	4.744 ng/ml

AM #28 Multi-Drug Quant. Results

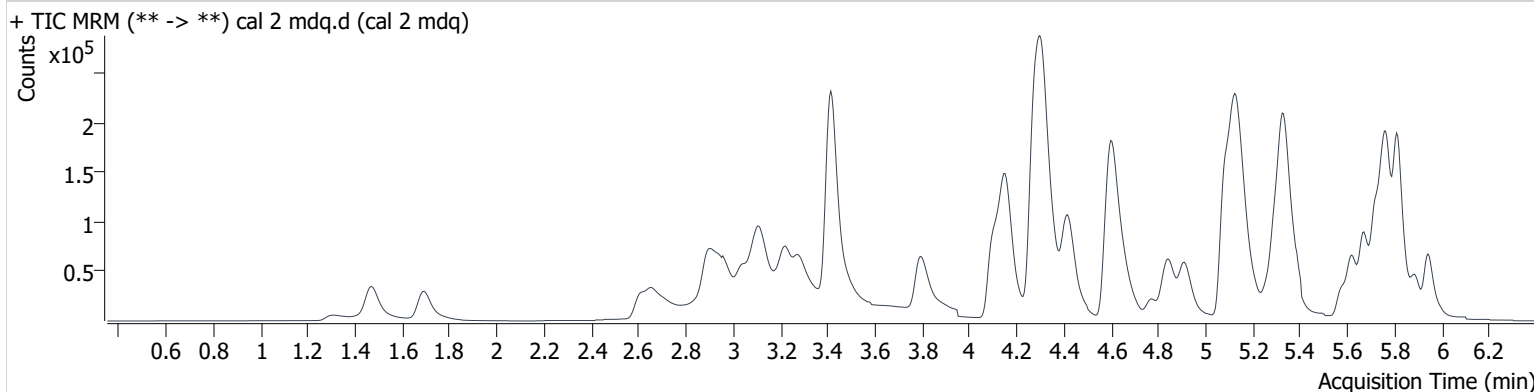
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	27900	4765.7	45.3	838.4	173901	5.006 ng/ml
Mitragynine	5.312	2150	2511.8	41.1	1033.7	173901	4.848 ng/ml
Morphine	1.317	2499	11757.2	19.5	35.5	5578	4.889 ng/ml
Norbuprenorphine	5.030	20	4.7 Low	87.0	41.3	2805	0.326 ng/ml
Nordiazepam	5.897	12922	1918.5	59.3	1288.9	80896	5.003 ng/ml
Norfentanyl	4.122	3498	778.2	37.9	88.0	302130	0.493 ng/ml
Norhydrocodone	3.131	285	26.7	41.7	28.5	38447	5.335 ng/ml
Noroxycodone	2.977	15105	813.6	42.3	452.1	102642	5.308 ng/ml
O-desmethyl-tramadol	3.420	70582	18907.7	6.7	177.9	729901	5.369 ng/ml
Oxazepam	5.758	22798	437.6	73.0	286.5	242972	4.191 ng/ml
Oxycodone	2.930	31647	42.0	30.0	631.4	301726	4.940 ng/ml
Oxymorphone	1.475	18418	80765.7	45.0	74324.3	139553	4.720 ng/ml
Phentermine	3.828	9645	24.9	6.4	5.9 Low	228298	5.170 ng/ml
Promethazine	5.578	7719	657.7	31.0	132.2	68320	5.195 ng/ml
Quetiapine	5.607	11861	8783.6	60.9	4670.3	33322	5.028 ng/ml
Sertraline	5.793	1841	87.3	99.7	1743.7	15999	4.949 ng/ml
Temazepam	5.819	38944	1109.8	29.0	327.3	376873	5.066 ng/ml
Tramadol	4.288	78072	14045.8	3.5	51.9	764612	4.903 ng/ml
Trazodone	5.385	11557	22549.6	84.8	22646.5	133242	4.942 ng/ml
Venlafaxine	5.089	55110	1413.4	37.0	372.5	557016	5.417 ng/ml
Zolpidem	5.150	75645	190521.6	29.8	19855.9	641853	5.023 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 7:43:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	1314	1841.4	72.2	1452.8	36134	1.006 ng/ml
7-aminoclonazepam	4.308	30519	1011.1	82.6	4898.1	129441	10.391 ng/ml
a-hydroxyalprazolam	5.704	5923	285.4	60.6	4138.5	30185	10.477 ng/ml
alpha-PVP	4.428	63405	7783.9	52.8	267.4	273887	10.050 ng/ml
Alprazolam	5.778	39962	1356.1	112.8	1617.3	140909	9.822 ng/ml
Amphetamine	3.117	60228	850.4	59.8	234.7	118518	9.871 ng/ml
Benzoylcegonine	3.911	1830	654.5	7.7	80.5	6851	10.205 ng/ml
Buprenorphine	5.842	380	97.9	6.7 Low	7.5 Low	13567	1.195 ng/ml
Bupropion	4.860	43935	5788.6	61.8	858.5	176790	10.007 ng/ml
Carisoprodol	5.729	40120	1418.5	69.6	679.0	191388	9.841 ng/ml
Citalopram	5.267	20171	330.6	42.8	4017.4	84246	10.225 ng/ml
Clonazepam	5.623	35501	2366.4	33.3	15035.5	58629	10.109 ng/ml
Cocaine	4.317	56789	76020.2	46.0	36034.9	444111	10.058 ng/ml
Codeine	2.714	7676	327.4	102.6	941.2	39750	10.117 ng/ml
Cyclobenzaprine	5.646	7167	880.7	8.1	1091.7	26621	10.088 ng/ml
Dextromethorphan	5.316	10213	443.3	73.0	3328.5	47341	10.040 ng/ml
Dextrorphan	4.162	13667	17942.0	218.3	8772.0	159630	9.931 ng/ml
Diazepam	5.948	25557	2803.3	87.6	5902.1	122763	10.093 ng/ml
Dihydrocodeine	2.647	20477	1587.6	62.0	682.8	115238	9.967 ng/ml
Diphenhydramine	5.337	64114	5325.6	34.2	2016.6	348430	10.123 ng/ml
Doxylamine	4.615	145472	5635.7	96.3	4188.3	611063	10.020 ng/ml
EDDP	5.300	18863	4624.4	235.2	2297.7	215540	9.927 ng/ml
Fentanyl	5.179	1406	102.8	75.8	242.4	69117	1.072 ng/ml
Fluoxetine	5.726	4271	155.7	8.6	481.7	16019	10.299 ng/ml
Hydrocodone	3.124	28207	684.0	38.0	657.8	162179	9.666 ng/ml
Hydromorphone	1.703	22939	1992.1	77.1	9997.7	90533	9.811 ng/ml
Ketamine	4.158	51766	239.4	37.1	500.9	246991	10.271 ng/ml
Lamotrigine	4.360	5426	650.2	87.1	742.2	246991	10.081 ng/ml
Lorazepam	5.751	26062	926.9	57.9	273.4	122763	10.580 ng/ml
Meprobamate	4.932	30612	144.0	28.4	690.5	145264	9.917 ng/ml
Methadone	5.675	32559	1912.1	48.3	553.6	160626	9.933 ng/ml
Methamphetamine	3.284	79845	∞	41.8	∞	156126	10.730 ng/ml
Metoprolol	4.364	10629	2755.5	98.9	1902.9	611063	10.447 ng/ml

AM #28 Multi-Drug Quant. Results

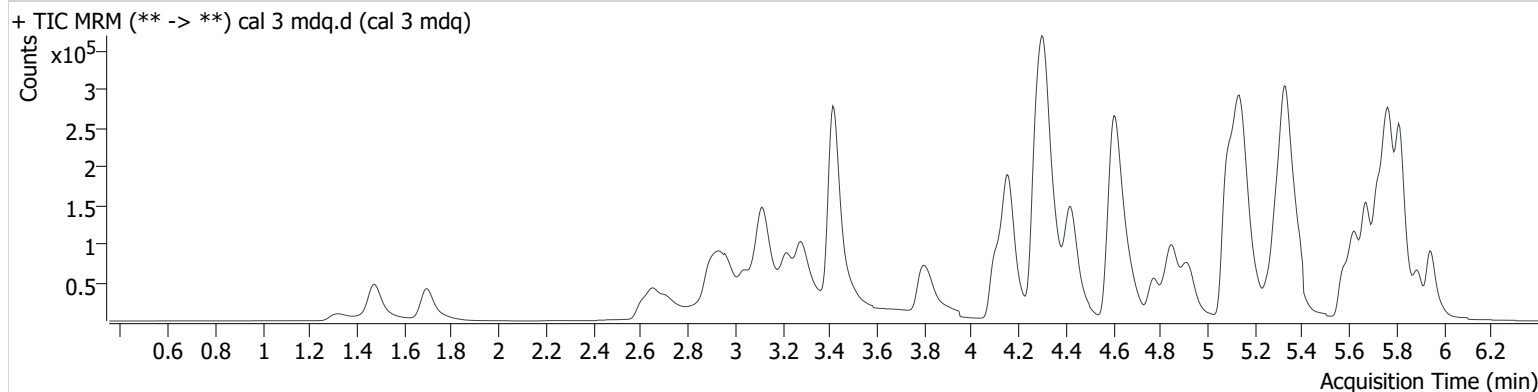
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	47878	3615.3	47.6	1804.0	160626	10.189 ng/ml
Mitragynine	5.312	3868	265.2	34.5	1982.9	160626	9.907 ng/ml
Morphine	1.322	4402	20334.9	21.1	5217.6	5276	9.883 ng/ml
Norbuprenorphine	5.055	48	10.9	70.1 Low	20.2	2414	1.026 ng/ml
Nordiazepam	5.897	21844	6110.2	60.5	5566.4	72184	9.886 ng/ml
Norfentanyl	4.122	6544	771.5	37.0	78.4	307248	0.994 ng/ml
Norhydrocodone	3.120	508	757.3	49.1	130.8	35568	8.952 ng/ml
Noroxycodone	2.977	26562	713.4	41.5	1691.6	95298	10.009 ng/ml
O-desmethyl-tramadol	3.420	123162	44913.1	6.6	1117.3	662918	10.127 ng/ml
Oxazepam	5.758	39659	2307.0	75.5	638.9	218770	9.503 ng/ml
Oxycodone	2.930	56667	2844.5	28.9	3648.4	276128	9.997 ng/ml
Oxymorphone	1.475	32301	27.5	44.9	4681.4	127310	9.780 ng/ml
Phentermine	3.828	15659	32.7	6.2	24.2	204280	9.287 ng/ml
Promethazine	5.578	10752	805.1	34.5	286.7	50906	9.706 ng/ml
Quetiapine	5.607	21520	32399.9	61.8	18198.5	31681	9.865 ng/ml
Sertraline	5.788	2213	168.1	94.5	8900.2	10008	10.104 ng/ml
Temazepam	5.819	69110	2951.0	29.6	447.9	345821	9.898 ng/ml
Tramadol	4.289	133952	82923.5	3.5	46.7	694831	10.139 ng/ml
Trazodone	5.385	22235	50574.7	75.9	72863.4	116532	10.710 ng/ml
Venlafaxine	5.084	94184	732.4	38.1	1473.8	493612	10.154 ng/ml
Zolpidem	5.150	134481	166852.4	29.9	132.6	584489	9.900 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 7:54:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	3130	6768.1	74.0	8524.6	35859	2.503 ng/ml
7-aminoclonazepam	4.308	71846	50489.1	84.9	20245.1	127242	25.620 ng/ml
a-hydroxyalprazolam	5.704	13677	1019.9	58.4	6107.2	29954	25.254 ng/ml
alpha-PVP	4.428	161304	22224.7	53.2	1594.0	280996	24.723 ng/ml
Alprazolam	5.777	96962	5129.9	106.9	591.9	134505	24.963 ng/ml
Amphetamine	3.122	167794	2665.5	58.5	1251.6	135604	24.690 ng/ml
Benzoyllecgonine	3.911	4231	89.2	7.9	123.2	6499	24.175 ng/ml
Buprenorphine	5.842	1122	178.2	12.4	263.5	16644	2.573 ng/ml
Bupropion	4.860	120119	426.2	60.5	3552.4	199044	24.664 ng/ml
Carisoprodol	5.729	95087	2297.9	62.2	1317.7	183655	25.010 ng/ml
Citalopram	5.267	58236	3271.4	44.3	302.6	102279	25.338 ng/ml
Clonazepam	5.623	84139	10181.2	32.9	1012.3	57544	25.202 ng/ml
Cocaine	4.317	137863	76061.6	46.4	4839.3	440684	24.779 ng/ml
Codeine	2.714	18069	109.0	108.7	28838.1	39868	24.012 ng/ml
Cyclobenzaprine	5.646	33873	67262.3	9.3	561.6	53997	24.552 ng/ml
Dextromethorphan	5.316	29805	211.3	73.1	436.9	56919	24.889 ng/ml
Dextrorphan	4.167	33713	19307.8	215.6	119937.1	159849	24.572 ng/ml
Diazepam	5.948	60458	2920.6	87.7	7158.3	118788	24.729 ng/ml
Dihydrocodeine	2.647	48555	18726.0	63.8	14146.3	110503	25.437 ng/ml
Diphenhydramine	5.337	183282	11741.4	35.3	5391.0	415983	24.629 ng/ml
Doxylamine	4.615	363040	47708.0	96.2	14372.0	626192	24.590 ng/ml
EDDP	5.300	52990	85901.4	233.7	11044.1	239920	25.366 ng/ml
Fentanyl	5.184	4574	355.5	66.8	3483.9	95834	2.455 ng/ml
Fluoxetine	5.726	25039	3184.5	8.4	242.3	41402	25.192 ng/ml
Hydrocodone	3.124	69908	1390.4	37.7	281.9	159456	25.307 ng/ml
Hydromorphone	1.703	57173	7339.2	73.9	10749.4	87091	25.168 ng/ml
Ketamine	4.158	124964	973.5	37.8	215.1	246600	25.775 ng/ml
Lamotrigine	4.360	13195	514.6	89.1	1549.0	246600	26.026 ng/ml
Lorazepam	5.751	59438	2013.3	56.9	170.1	118788	26.429 ng/ml
Meprobamate	4.932	73405	10411.2	28.1	1663.6	137758	25.528 ng/ml
Methadone	5.674	102901	3197.8	46.2	1479.2	204175	24.782 ng/ml
Methamphetamine	3.284	145407	∞	43.2	∞	185803	22.847 ng/ml
Metoprolol	4.364	26369	74251.3	96.0	1657.1	626192	27.318 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	139354	35242.1	46.2	814.4	204175	24.667 ng/ml
Mitragynine	5.307	13448	2570.6	35.5	9251.5	204175	27.943 ng/ml
Morphine	1.322	10185	78961.5	20.8	12680.4	5097	24.938 ng/ml
Norbuprenorphine	5.030	141	∞	100.1	282.2	3021	2.496 ng/ml
Nordiazepam	5.892	53233	65247.9	60.7	1565.9	70125	25.486 ng/ml
Norfentanyl	4.122	15712	200.9	39.2	354.8	297669	2.616 ng/ml
Norhydrocodone	3.126	1455	347.2	44.8	192.2	34972	23.384 ng/ml
Noroxycodone	2.972	64365	893.9	41.1	786.6	93435	24.664 ng/ml
O-desmethyl-tramadol	3.420	297715	246707.5	6.5	1651.6	654477	24.501 ng/ml
Oxazepam	5.758	96426	1458.5	72.9	1253.1	213622	25.909 ng/ml
Oxycodone	2.930	136718	5898.5	30.1	2643.8	272484	24.943 ng/ml
Oxymorphone	1.475	78268	17218.0	44.6	215651.7	124257	25.416 ng/ml
Phentermine	3.828	44278	76.4	5.6	115.5	217822	24.438 ng/ml
Promethazine	5.573	56441	6172.0	30.6	833.3	102933	25.184 ng/ml
Quetiapine	5.607	61670	15307.2	59.1	20598.7	36309	25.113 ng/ml
Sertraline	5.788	14741	120.3	97.0	18821.0	27475	25.440 ng/ml
Temazepam	5.819	164290	8107.3	29.7	245.5	337134	24.290 ng/ml
Tramadol	4.288	322778	62072.9	3.6	59.7	692717	25.912 ng/ml
Trazodone	5.385	60739	31421.7	78.7	136498.7	146017	23.188 ng/ml
Venlafaxine	5.089	236292	36885.0	38.6	1758.1	505881	24.399 ng/ml
Zolpidem	5.145	336816	368059.3	29.4	173.7	579129	25.176 ng/ml

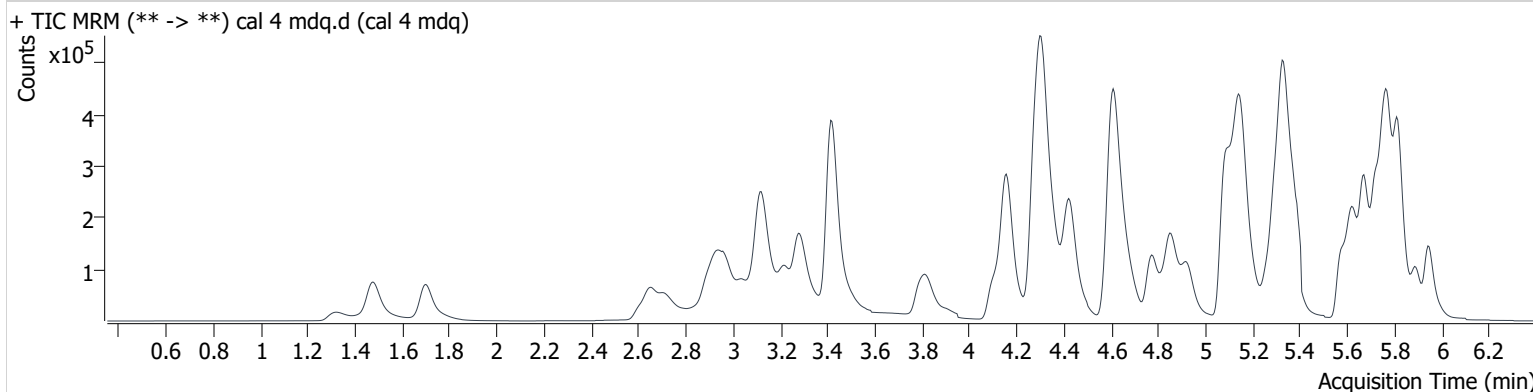
Wylie

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 8:05:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.204	6674	18436.9	75.6	1016.1	39661	4.885 ng/ml
7-aminoclonazepam	4.308	156850	18562.8	83.0	17612.2	138640	51.862 ng/ml
a-hydroxyalprazolam	5.704	28750	2037.3	61.6	691.9	31495	51.151 ng/ml
alpha-PVP	4.428	355803	19522.2	53.5	3534.0	305732	49.985 ng/ml
Alprazolam	5.777	207116	8919.2	108.6	1989.9	145746	49.206 ng/ml
Amphetamine	3.122	430866	1790.3	50.4	2172.2	152809	56.845 ng/ml
Benzoyllecgonine	3.911	9323	596.3	8.3	647.4	7121	48.117 ng/ml
Buprenorphine	5.837	2632	292.7	14.3	709.9	20162	4.783 ng/ml
Bupropion	4.860	271372	8499.0	61.1	5195.4	220613	50.536 ng/ml
Carisoprodol	5.729	197624	4729.7	60.8	1814.9	189575	50.841 ng/ml
Citalopram	5.267	144271	2387.0	45.5	120142.2	129327	50.353 ng/ml
Clonazepam	5.623	179716	22034.0	34.0	62676.7	61554	50.880 ng/ml
Cocaine	4.317	300649	247508.5	46.5	16856.6	479044	49.830 ng/ml
Codeine	2.714	41000	14008.1	105.0	12224.9	43364	50.310 ng/ml
Cyclobenzaprine	5.646	103666	141878.1	9.0	4951.2	80493	51.233 ng/ml
Dextromethorphan	5.311	79648	1246.1	75.3	1251.1	75615	50.436 ng/ml
Dextrorphan	4.162	78536	427.0	211.6	32791.6	181145	50.588 ng/ml
Diazepam	5.948	132207	3825.9	88.6	11492.9	127382	50.468 ng/ml
Dihydrocodeine	2.652	109661	19604.4	62.4	926.1	122863	52.222 ng/ml
Diphenhydramine	5.337	450693	31961.4	33.8	7789.1	504702	50.205 ng/ml
Doxylamine	4.615	794336	149691.3	95.7	127301.3	673287	50.176 ng/ml
EDDP	5.300	120354	246589.4	237.8	29701.5	277400	50.025 ng/ml
Fentanyl	5.184	12664	70.0	67.8	15864.5	132432	4.876 ng/ml
Fluoxetine	5.721	67954	10234.5	8.5	1152.7	57269	50.813 ng/ml
Hydrocodone	3.124	154734	2591.7	38.2	1537.5	175015	51.667 ng/ml
Hydromorphone	1.703	127337	3592.0	73.8	17683.2	95850	50.769 ng/ml
Ketamine	4.158	270473	2097.0	37.7	1997.7	269356	51.726 ng/ml
Lamotrigine	4.365	28040	1471.4	92.0	5495.7	269356	51.600 ng/ml
Lorazepam	5.751	120400	2597.2	59.8	854.4	127382	50.902 ng/ml
Meprobamate	4.932	156108	17533.1	28.8	5328.2	145347	51.757 ng/ml
Methadone	5.674	267987	29315.0	46.9	5840.8	263470	50.074 ng/ml
Methamphetamine	3.284	291324	∞	41.5	1650.4	207598	50.582 ng/ml
Metoprolol	4.364	56243	11907.8	99.6	7315.1	673287	55.593 ng/ml

AM #28 Multi-Drug Quant. Results

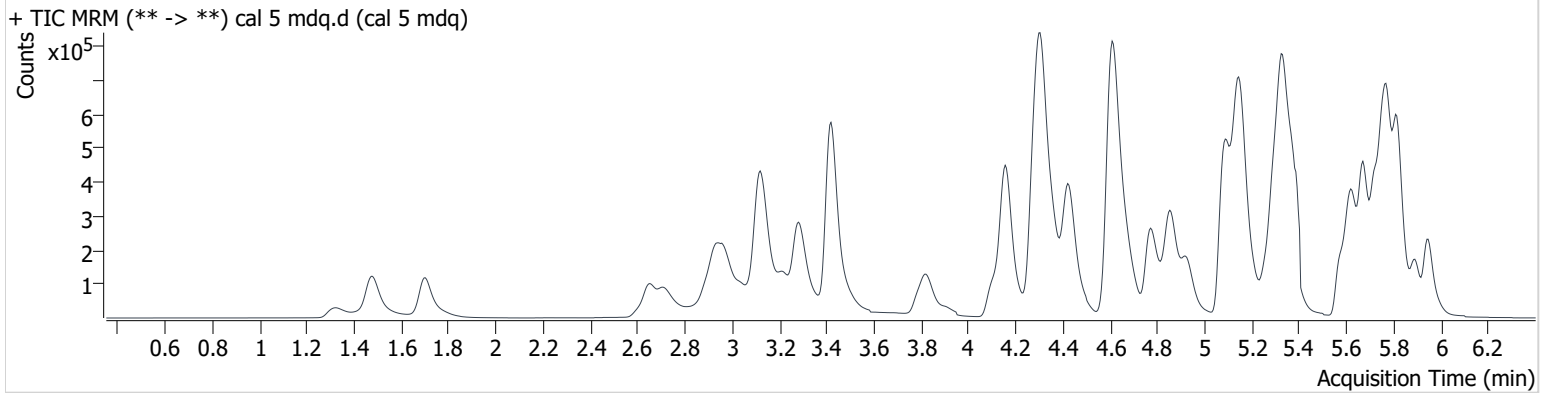
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	334925	810.2	46.7	52751.4	263470	46.837 ng/ml
Mitragynine	5.312	34888	55055.2	34.7	24882.6	263470	56.670 ng/ml
Morphine	1.322	22824	102199.5	19.5	102.7	5677	51.081 ng/ml
Norbuprenorphine	5.040	321	153.5	102.7	510.1	3744	4.644 ng/ml
Nordiazepam	5.892	113816	42734.0	61.0	10935.9	75286	51.205 ng/ml
Norfentanyl	4.122	27690	179.3	40.3	270.2	264652	5.287 ng/ml
Norhydrocodone	3.120	3143	359.5	40.3	114.5	36605	46.731 ng/ml
Noroxycodone	2.972	137111	5195.7	43.6	880.0	98291	49.892 ng/ml
O-desmethyl-tramadol	3.420	652035	90825.5	6.6	5675.1	709188	49.313 ng/ml
Oxazepam	5.758	202235	4958.0	73.6	2062.9	219044	54.572 ng/ml
Oxycodone	2.930	299991	3135.7	29.7	3352.8	294604	50.978 ng/ml
Oxymorphone	1.480	170845	504922.2	45.0	34.2	135260	51.736 ng/ml
Phentermine	3.828	102961	186.7	5.5	344.1	237865	51.909 ng/ml
Promethazine	5.573	174152	47056.2	31.9	1229.7	157811	50.678 ng/ml
Quetiapine	5.607	146883	167732.9	60.6	205218.5	43440	50.287 ng/ml
Sertraline	5.788	41211	3602.5	100.2	64151.9	38832	50.952 ng/ml
Temazepam	5.819	357143	13040.4	30.3	1452.9	360999	49.423 ng/ml
Tramadol	4.289	701545	133330.1	3.6	1090.2	759284	52.358 ng/ml
Trazodone	5.385	150130	243950.1	80.4	49679.5	179290	46.541 ng/ml
Venlafaxine	5.083	522525	102355.6	38.5	4164.4	548711	49.416 ng/ml
Zolpidem	5.150	731702	1251146.7	29.7	378430.6	635056	49.974 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 8:16:01 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	13485	9074.8	77.0	15945.5	40015	9.845 ng/ml
7-aminoclonazepam	4.308	290442	139046.4	82.4	11245.7	131131	102.037 ng/ml
a-hydroxyalprazolam	5.704	53786	2793.2	60.7	3485.7	30194	100.446 ng/ml
alpha-PVP	4.428	732042	1889.6	53.1	12506.6	324398	96.798 ng/ml
Alprazolam	5.777	390865	4523.3	108.7	15430.5	137338	98.543 ng/ml
Amphetamine	3.122	845636	5286.1	51.5	7864.5	162388	105.371 ng/ml
Benzoylcegonine	3.906	18801	537.4	8.2	728.9	6879	99.908 ng/ml
Buprenorphine	5.842	5618	750.8	15.3	2044.3	21004	9.575 ng/ml
Bupropion	4.860	585579	5847.8	60.8	2776.7	242004	99.656 ng/ml
Carisoprodol	5.729	365648	6707.7	58.6	3590.0	179029	100.066 ng/ml
Citalopram	5.267	293086	1154.5	46.5	324.4	136116	97.880 ng/ml
Clonazepam	5.623	338119	37933.9	34.5	1970.3	59631	99.339 ng/ml
Cocaine	4.317	597889	841883.6	46.4	137084.3	489357	97.119 ng/ml
Codeine	2.719	79363	19107.0	107.0	8886.7	43848	96.493 ng/ml
Cyclobenzaprine	5.646	180886	9160.0	9.6	583.1	72169	100.450 ng/ml
Dextromethorphan	5.311	151709	25812.0	75.3	164194.1	75092	97.071 ng/ml
Dextrorphan	4.162	151056	783.9	215.5	242153.5	180245	97.856 ng/ml
Diazepam	5.948	262589	9239.1	86.6	9460.6	129734	98.457 ng/ml
Dihydrocodeine	2.652	211317	7590.8	65.2	468.5	121904	101.929 ng/ml
Diphenhydramine	5.337	896308	101081.9	35.1	22484.0	524756	96.283 ng/ml
Doxylamine	4.615	1670299	168924.1	95.7	1618.2	729558	97.494 ng/ml
EDDP	5.300	257750	11003.9	237.3	2788.5	303562	98.097 ng/ml
Fentanyl	5.184	23401	1284.0	70.0	46898.5	130100	9.133 ng/ml
Fluoxetine	5.721	117770	22011.1	8.7	21110.9	51414	99.433 ng/ml
Hydrocodone	3.124	300671	746.0	39.8	2581.5	176306	100.237 ng/ml
Hydromorphone	1.703	239043	10864.2	77.0	1907.6	96951	94.088 ng/ml
Ketamine	4.158	543011	1534.6	37.7	7071.7	280205	100.444 ng/ml
Lamotrigine	4.365	55422	3570.1	90.7	1526.1	280205	98.963 ng/ml
Lorazepam	5.751	215812	11717.2	56.9	436.7	129734	90.422 ng/ml
Meprobamate	4.932	292050	59370.1	28.4	932.1	143440	98.381 ng/ml
Methadone	5.674	554150	78962.5	45.9	5087.8	279631	97.614 ng/ml
Methamphetamine	3.284	534758	437.2	41.6	341.4	209421	101.974 ng/ml
Metoprolol	4.364	112536	5554.5	97.4	7633.4	729558	103.862 ng/ml

AM #28 Multi-Drug Quant. Results

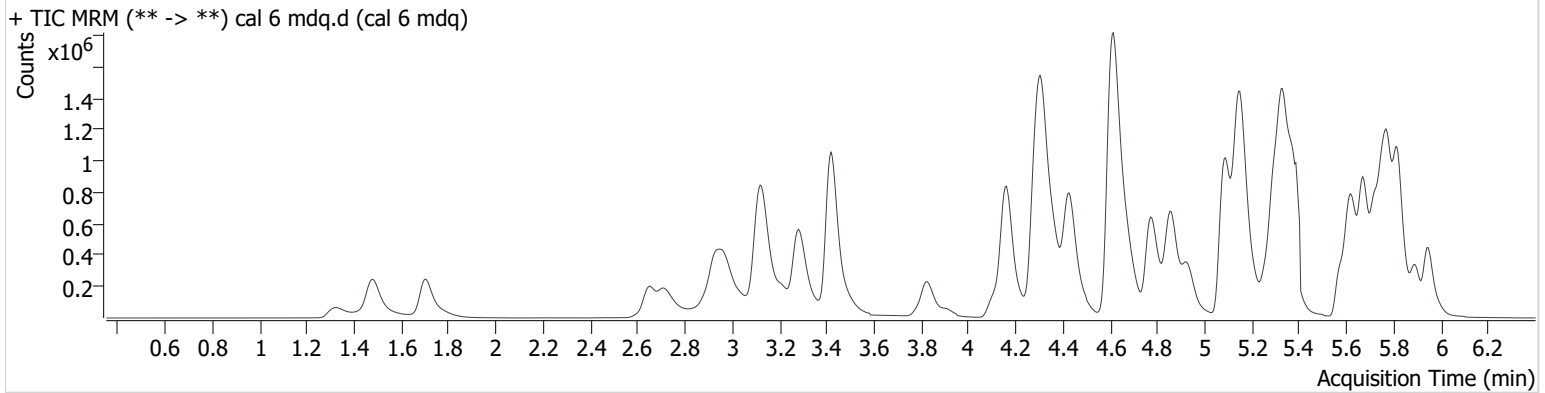
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	712685	91209.3	46.2	92447.2	279631	94.944 ng/ml
Mitragynine	5.307	65831	120281.7	37.2	52292.0	279631	101.130 ng/ml
Morphine	1.322	44413	165232.5	20.7	53726.2	5784	98.394 ng/ml
Norbuprenorphine	5.035	800	321.9	82.9	1289.6	3775	11.577 ng/ml
Nordiazepam	5.897	221268	123366.2	63.2	13829.9	77547	97.049 ng/ml
Norfentanyl	4.122	67025	14028.0	39.2	975.3	325998	10.490 ng/ml
Norhydrocodone	3.131	7218	1753.2	37.4	301.8	36662	105.319 ng/ml
Noroxycodone	2.977	271142	5053.3	44.3	2494.1	101559	95.442 ng/ml
O-desmethyl-tramadol	3.420	1299972	166923.5	6.5	7712.7	721878	96.393 ng/ml
Oxazepam	5.758	368426	3456.2	72.2	2166.8	210307	104.903 ng/ml
Oxycodone	2.930	598632	5961.5	29.4	6754.1	301412	99.758 ng/ml
Oxymorphone	1.475	335742	7964.3	44.9	678801.4	137391	100.810 ng/ml
Phentermine	3.828	212868	254.7	5.2	435.0	245741	103.764 ng/ml
Promethazine	5.573	299045	8288.9	32.1	2994.7	140946	97.427 ng/ml
Quetiapine	5.607	318390	1957.9	60.4	322317.3	47910	99.121 ng/ml
Sertraline	5.788	70079	5339.2	99.5	209909.7	34249	98.835 ng/ml
Temazepam	5.819	696272	16661.6	29.7	1319.7	359940	96.739 ng/ml
Tramadol	4.288	1382422	445771.5	3.6	1163.9	775378	101.955 ng/ml
Trazodone	5.385	332524	10822.5	78.6	1008854.5	197345	93.516 ng/ml
Venlafaxine	5.089	1074749	328617.3	38.6	2287.1	579761	95.898 ng/ml
Zolpidem	5.150	1477294	208521.0	30.0	124454.6	655412	97.857 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 8:26:49 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	33014	3796.6	74.0	1495.7	39545	24.485 ng/ml
7-aminoclonazepam	4.308	617785	56984.1	83.1	15670.2	112154	254.545 ng/ml
a-hydroxyalprazolam	5.699	116353	4394.3	60.0	1156.9	25927	254.046 ng/ml
alpha-PVP	4.433	1712788	44936.6	52.7	13695.8	294080	249.620 ng/ml
Alprazolam	5.777	853535	18455.4	110.4	11688.8	117137	252.295 ng/ml
Amphetamine	3.122	1836619	28657.9	51.9	9078.1	153018	243.463 ng/ml
Benzoyllecgonine	3.911	46806	1010.5	8.1	1143.9	6872	248.281 ng/ml
Buprenorphine	5.842	13351	777.6	15.5	3692.4	18394	25.614 ng/ml
Bupropion	4.860	1382620	28814.8	61.0	11691.2	227322	250.882 ng/ml
Carisoprodol	5.729	770377	10285.6	58.4	4897.3	151496	249.857 ng/ml
Citalopram	5.267	670247	19844.8	46.1	675.9	120433	254.161 ng/ml
Clonazepam	5.623	732045	12645.4	34.0	16608.7	51815	248.353 ng/ml
Cocaine	4.317	1367774	563930.7	46.2	106318.6	436883	249.047 ng/ml
Codeine	2.719	187416	34690.1	108.4	23210.3	40842	244.943 ng/ml
Cyclobenzaprine	5.646	391701	1203586.8	9.2	5406.4	61834	255.081 ng/ml
Dextromethorphan	5.311	332178	2045.3	75.6	3391.5	64985	246.157 ng/ml
Dextrorphan	4.167	339183	279517.0	216.4	636.9	161581	245.218 ng/ml
Diazepam	5.948	592345	9012.0	88.3	29249.2	115855	248.761 ng/ml
Dihydrocodeine	2.652	491041	167.9	67.5	38333.3	118705	243.982 ng/ml
Diphenhydramine	5.337	2063376	61162.1	34.3	255597.0	473906	245.869 ng/ml
Doxylamine	4.615	4140112	3102.6	95.2	8026.7	701778	251.428 ng/ml
EDDP	5.300	656305	13690.4	238.4	163689.8	303793	249.908 ng/ml
Fentanyl	5.184	55498	230.6	68.1	253.8	116618	24.092 ng/ml
Fluoxetine	5.721	238422	3202.5	8.5	12535.1	40924	255.120 ng/ml
Hydrocodone	3.129	704950	742.3	38.8	16858.6	163650	254.138 ng/ml
Hydromorphone	1.703	593584	2446728.6	74.1	63990.4	91789	246.520 ng/ml
Ketamine	4.163	1247292	3564.7	37.7	3489.6	257858	251.705 ng/ml
Lamotrigine	4.365	120777	5809.2	90.4	5989.9	257858	235.752 ng/ml
Lorazepam	5.751	376344	5669.9	56.9	1086.5	115855	177.618 ng/ml
Meprobamate	4.932	669959	78601.7	28.1	27629.8	129942	249.583 ng/ml
Methadone	5.675	1276834	95480.7	47.3	35461.7	256961	244.845 ng/ml
Methamphetamine	3.284	1148808	∞	41.7	2230.6	189877	258.214 ng/ml
Metoprolol	4.364	248530	7832.3	96.6	10510.7	701778	240.300 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	1740164	41082.8	45.9	126002.1	256961	253.996 ng/ml
Mitragynine	5.312	145187	238621.5	37.5	81742.3	256961	243.398 ng/ml
Morphine	1.322	106285	794207.3	20.9	109891.5	5298	258.532 ng/ml
Norbuprenorphine	5.040	1641	2226.7	91.9	1073.8	3520	25.553 ng/ml
Nordiazepam	5.892	503574	158105.5	61.2	9721.7	67465	254.613 ng/ml
Norfentanyl	4.122	174725	4451.3	41.0	3429.7	352070	25.466 ng/ml
Norhydrocodone	3.126	16838	132.0	42.5	26.1	32048	278.686 ng/ml
Noroxycodone	2.977	615394	5323.5	43.6	1347.3	89381	246.054 ng/ml
O-desmethyl-tramadol	3.420	3093833	251582.0	6.5	7197.4	675672	244.783 ng/ml
Oxazepam	5.758	695358	21020.9	73.7	11527.5	159813	262.786 ng/ml
Oxycodone	2.930	1434837	17232.2	29.5	17619.3	289119	249.792 ng/ml
Oxymorphone	1.480	796252	4385400.2	44.8	2512.6	128412	256.978 ng/ml
Phentermine	3.828	489378	698.3	5.1	832.9	226485	258.660 ng/ml
Promethazine	5.573	661152	82103.0	31.7	11451.1	121057	250.775 ng/ml
Quetiapine	5.607	770802	171194.3	60.4	819693.3	46208	249.252 ng/ml
Sertraline	5.793	126204	6370.3	102.5	26597.1	24048	254.503 ng/ml
Temazepam	5.819	1576321	83707.4	29.8	5448.7	316025	249.615 ng/ml
Tramadol	4.288	3200269	453251.9	3.5	3953.9	727190	253.123 ng/ml
Trazodone	5.385	845113	315687.4	78.5	1794215.1	189362	247.469 ng/ml
Venlafaxine	5.083	2547955	5045.2	38.2	20839.1	538964	244.069 ng/ml
Zolpidem	5.150	3587805	1057857.6	29.4	251848.1	620059	251.365 ng/ml

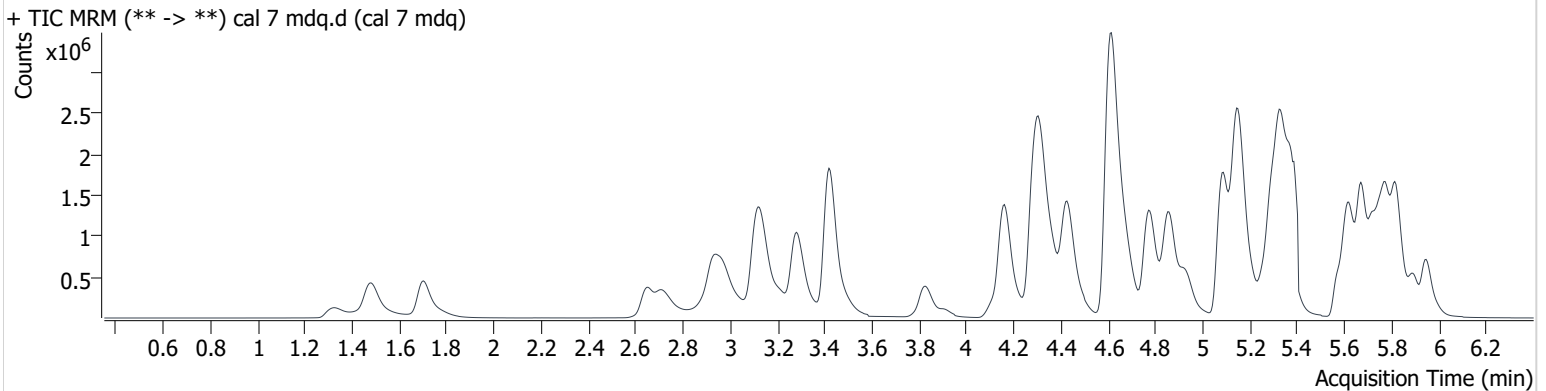
Wylie

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument 69679 **Data File** cal 7 mdq.d
Type Cal **Sample** cal 7 mdq
Acq. Method mdq p1 cda 121818.m **Operator** Brittany Wylie
Sample Position P2-G1 **Comment**
Injection Volume 2
Acq. Date-Time 4/17/2020 8:37:37 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	67546	2173.7	72.9	286414.2	38667	51.303 ng/ml
7-aminoclonazepam	4.313	957949	42455.9	82.8	76786.1	91065	486.587 ng/ml
a-hydroxyalprazolam	5.699	188434	864.0	59.8	2822.7	21664	493.008 ng/ml
alpha-PVP	4.428	3378309	26580.5	52.3	100023.6	291234	497.031 ng/ml
Alprazolam	5.777	1464557	2161.0	108.4	46511.5	102230	496.027 ng/ml
Amphetamine	3.122	3281251	6695.0	52.1	20437.3	153759	433.225 ng/ml
Benzoylcegonine	3.911	99730	9338.5	8.1	22221.6	7211	503.620 ng/ml
Buprenorphine	5.842	24875	1525.5	16.4	8066.7	17747	49.263 ng/ml
Bupropion	4.860	2824161	5716.9	60.5	17350.9	231791	502.830 ng/ml
Carisoprodol	5.729	1251719	56749.1	57.3	13243.5	123317	499.216 ng/ml
Citalopram	5.267	1276316	30444.6	46.1	247583.7	118338	493.250 ng/ml
Clonazepam	5.623	1179257	3810.0	34.1	33500.8	41585	499.060 ng/ml
Cocaine	4.317	2524397	103789.3	45.7	82215.8	400066	502.068 ng/ml
Codeine	2.719	371186	78694.5	106.3	71477.3	38784	511.076 ng/ml
Cyclobenzaprine	5.646	701473	268509.2	9.5	2856.5	56531	500.411 ng/ml
Dextromethorphan	5.311	627399	73016.9	75.2	1190.1	58480	517.044 ng/ml
Dextrorphan	4.167	621332	540473.3	216.8	195169.0	146885	494.222 ng/ml
Diazepam	5.948	1069711	11034.1	87.1	106866.4	106196	490.132 ng/ml
Dihydrocodeine	2.652	1037736	149667.8	64.4	66708.4	122610	499.757 ng/ml
Diphenhydramine	5.337	4023348	111520.2	33.8	4530.1	461869	492.190 ng/ml
Doxylamine	4.615	8418390	8765.4	95.8	470754.2	712701	503.544 ng/ml
EDDP	5.300	1352186	2458810.8	235.8	3307.6	312019	501.519 ng/ml
Fentanyl	5.184	109749	11860.6	69.5	164323.3	112630	49.283 ng/ml
Fluoxetine	5.721	401275	26304.4	8.4	62961.6	34579	509.610 ng/ml
Hydrocodone	3.129	1326666	4913.6	38.2	1809.4	155529	503.848 ng/ml
Hydromorphone	1.703	1173181	5550878.3	74.1	8174.2	90666	493.107 ng/ml
Ketamine	4.158	2368867	359003.8	37.6	8084.6	252265	489.266 ng/ml
Lamotrigine	4.365	205527	4116.3	89.2	10384.0	252265	410.835 ng/ml
Lorazepam	5.746	459612	12721.3	57.6	3029.5	106196	237.013 ng/ml
Meprobamate	4.932	1188703	173621.6	28.3	5578.8	118424	486.187 ng/ml
Methadone	5.674	2650563	36051.7	47.1	62428.9	265664	491.677 ng/ml
Methamphetamine	3.284	2226011	1899.6	41.8	1057.8	190526	509.915 ng/ml
Metoprolol	4.369	420268	3400.8	97.3	3236.0	712701	401.072 ng/ml

AM #28 Multi-Drug Quant. Results

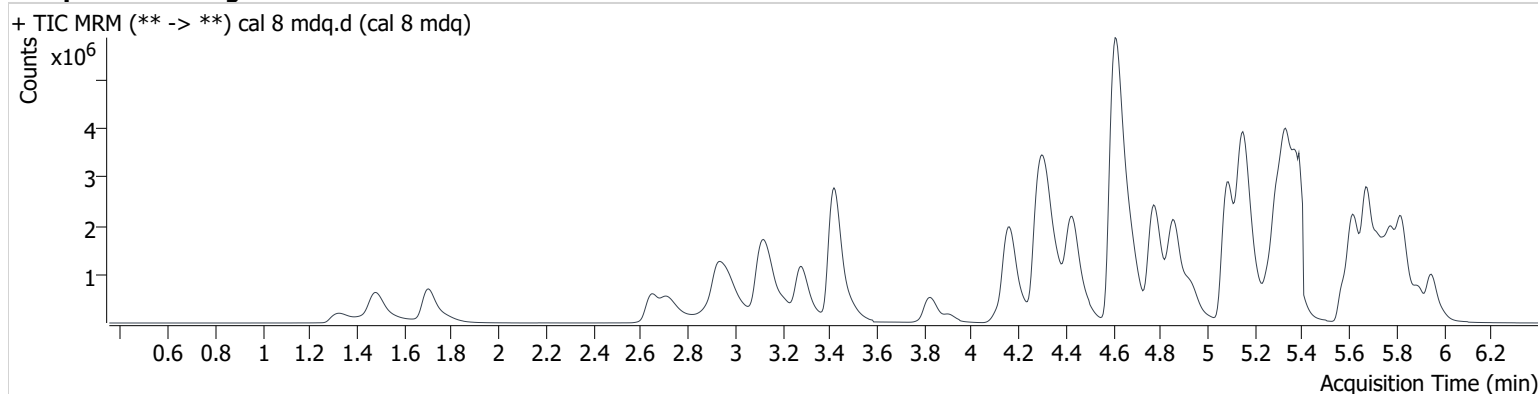
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	3642865	8750.4	46.1	5014.2	265664	515.358 ng/ml
Mitragynine	5.312	247582	118993.4	38.8	225613.2	265664	401.778 ng/ml
Morphine	1.327	209836	2606325.4	20.8	759569.6	5369	504.449 ng/ml
Norbuprenorphine	5.035	3062	5374.7	103.3	4688.3	3606	46.600 ng/ml
Nordiazepam	5.897	861571	231780.4	61.6	372954.5	59471	494.602 ng/ml
Norfentanyl	4.122	318653	45062.9	40.3	3153.6	343412	47.705 ng/ml
Norhydrocodone	3.126	37168	2317.3	42.3	519.0	28206	696.832 ng/ml
Noroxycodone	2.977	1081677	11809.1	42.9	1032.2	76422	505.770 ng/ml
O-desmethyl-tramadol	3.420	6155222	572468.1	6.4	45095.9	665002	494.605 ng/ml
Oxazepam	5.758	922240	19675.1	72.9	1209.2	110492	505.486 ng/ml
Oxycodone	2.930	2884732	14764.8	29.4	78807.4	291299	498.793 ng/ml
Oxymorphone	1.480	1544995	19334957.4	44.9	11099375.1	128238	500.021 ng/ml
Phentermine	3.828	945578	2421.6	5.2	1903.0	228511	495.248 ng/ml
Promethazine	5.573	1245893	2403020.0	31.7	8932.4	116494	491.074 ng/ml
Quetiapine	5.607	1624679	928672.6	59.3	2985732.1	47654	509.742 ng/ml
Sertraline	5.793	201699	10955.6	102.5	25216.8	19894	492.265 ng/ml
Temazepam	5.819	2743695	96244.9	29.7	5896.7	268578	511.339 ng/ml
Tramadol	4.289	5971854	748967.7	3.4	898.4	709443	485.061 ng/ml
Trazodone	5.385	1749685	8017.7	79.5	419918.4	188970	513.266 ng/ml
Venlafaxine	5.083	4915887	332878.2	37.0	2525.3	516478	491.074 ng/ml
Zolpidem	5.150	6990895	3591.7	29.4	643668.8	605493	501.671 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 4-17-2020\QuantResults\mdqp1.batch.bin
Calibration Last Update 4/18/2020 10:22:33 AM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	4/17/2020 8:59:06 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	122654	33945.7	73.3	7510.8	35126	102.614 ng/ml
7-aminoclonazepam	4.313	1120066	124308.1	79.8	662.8	56585	916.081 ng/ml
a-hydroxyalprazolam	5.699	254296	7969.1	61.2	1453.7	15331	940.752 ng/ml
alpha-PVP	4.428	5644615	8165.7	52.0	77500.2	240240	1006.596 ng/ml
Alprazolam	5.778	2094797	4233.4	109.0	31100.1	72247	1003.922 ng/ml
Amphetamine	3.117	4161492	12788.7	52.3	33989.6	113269	746.176 ng/ml
Benzoylcegonine	3.906	197044	199488.9	8.0	103.5	6825	1050.783 ng/ml
Buprenorphine	5.842	42103	13875.1	16.0	3640.0	14107	104.654 ng/ml
Bupropion	4.863	4744839	24861.6	60.5	40056.1	196859	994.954 ng/ml
Carisoprodol	5.729	1715282	117598.1	56.8	8070.0	84386	1000.170 ng/ml
Citalopram	5.262	2160649	1237.3	45.8	650348.1	98501	1003.938 ng/ml
Clonazepam	5.628	1444848	196540.7	33.8	82391.7	25783	986.756 ng/ml
Cocaine	4.317	4035766	981408.2	45.6	480713.7	320535	1001.932 ng/ml
Codeine	2.719	625710	7279.4	105.8	263006.6	31780	1051.618 ng/ml
Cyclobenzaprine	5.646	930234	467730.5	9.1	4277.5	37794	993.358 ng/ml
Dextromethorphan	5.311	1005208	83348.9	75.4	972435.7	48322	1002.878 ng/ml
Dextrorphan	4.167	1004877	411136.8	216.7	238298.2	115982	1012.352 ng/ml
Diazepam	5.948	1658446	7165.2	86.2	28454.6	79723	1012.259 ng/ml
Dihydrocodeine	2.647	1784621	138967.0	64.0	52859.9	110613	953.147 ng/ml
Diphenhydramine	5.337	6719350	723969.2	33.5	32482.5	373994	1015.439 ng/ml
Doxylamine	4.610	15198076	1178003.2	95.7	854614.4	635115	1020.257 ng/ml
EDDP	5.300	2411928	11308.2	239.4	44880.8	277253	1006.952 ng/ml
Fentanyl	5.189	188401	2631.2	70.8	226121.2	92875	102.548 ng/ml
Fluoxetine	5.721	408108	37495.8	8.6	1893.6	18221	984.897 ng/ml
Hydrocodone	3.124	2238703	9283.4	38.9	1498.3	133613	990.284 ng/ml
Hydromorphone	1.703	1991230	10179270.2	73.4	11316.7	74735	1015.194 ng/ml
Ketamine	4.158	3783142	619018.5	37.5	13814.7	209694	940.609 ng/ml
Lamotrigine	4.365	280962	8504.5	89.2	8454.0	209694	676.301 ng/ml
Lorazepam	5.746	473169	9265.3	57.1	4967.3	79723	325.439 ng/ml
Meprobamate	4.932	1765759	212344.4	28.2	7487.7	88520	966.476 ng/ml
Methadone	5.675	5054051	6977.7	46.3	443620.0	245212	1015.779 ng/ml
Methamphetamine	3.284	2424713	∞	41.5	∞	109090	980.998 ng/ml
Metoprolol	4.369	597688	16298.1	97.7	139497.6	635115	640.916 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.773	6911413	38325.2	45.6	6015.0	245212	1060.408 ng/ml
Mitragynine	5.312	311148	385126.5	38.9	92189.2	245212	547.226 ng/ml
Morphine	1.322	349700	3340540.6	20.5	456431.2	4574	987.833 ng/ml
Norbuprenorphine	5.035	5536	9364.4	99.5	6445.4	3163	96.108 ng/ml
Nordiazepam	5.897	1242941	3328985.4	61.1	428498.0	42924	989.070 ng/ml
Norfentanyl	4.117	488722	55074.2	40.3	5826.8	281262	89.423 ng/ml
Norhydrocodone	3.126	77413	2484.8	41.5	1648.3	23717	1723.994 ng/ml
Noroxycodone	2.977	1600453	1232.7	43.3	9911.9	57024	1002.861 ng/ml
O-desmethyl-tramadol	3.420	10491521	772142.7	6.3	51726.8	552278	1014.908 ng/ml
Oxazepam	5.753	971599	22736.0	74.0	18057.9	60583	972.651 ng/ml
Oxycodone	2.930	5099398	6911.7	29.1	8415.4	256730	1000.801 ng/ml
Oxymorphone	1.480	2528730	66.4	44.9	8472937.7	106033	990.538 ng/ml
Phentermine	3.828	1403404	1597.8	5.1	3695.5	175171	958.747 ng/ml
Promethazine	5.573	1901865	369721.0	31.3	4108.4	86465	1009.961 ng/ml
Quetiapine	5.607	3089585	3976.7	59.4	2426817.8	46677	989.916 ng/ml
Sertraline	5.793	189109	13840.7	102.3	319657.7	9451	972.159 ng/ml
Temazepam	5.824	4055445	∞	29.2	8940.3	193619	1048.532 ng/ml
Tramadol	4.283	9637529	1670072.1	3.4	9049.6	604362	919.798 ng/ml
Trazodone	5.385	3201456	1436888.7	78.0	69475.8	156937	1130.667 ng/ml
Venlafaxine	5.083	8484273	30852.4	37.7	40445.7	429188	1019.574 ng/ml
Zolpidem	5.150	11621275	916297.5	28.7	6030.9	499218	1011.585 ng/ml