



8/28/2021

Worklist: 5203**REVIEWED**

By Brittany Wylie at 11:47 am, Aug 31, 2021

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2021-1545	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1783	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1804	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1816	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-1822	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1844	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1849	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1864	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1868	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1884	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-1906	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 8/27/21 Analyst: Anne Nord
Plate lot#: ~~201207~~ (part IDP-121) Plate Expiration: 12/10/21
210610 ^{11/3/21}

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

Blank Blood Lot: 21D52496 **Urine Blank lot:** 5621

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

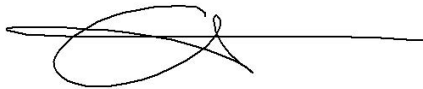
COMMENTS:

Curve limits:

*Amphetamine 5-250, dihydrocodeine 5-250, MDA 5-500, Methamphetamine 5-500, Mitragynine 5-500, Morphine 5-500
norbuprenorphine 2.5-100, trazodone 5-500*

Qualitative only: Alpha-hydroxyalprazolam, Clonazepam, Oxazepam, Trazodone

Not evaluated: Phentermine, ratios out at bottom end of curve, accuracy at top.



	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1	1804-1					IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2	1864-1					IS + Cal. 7
C	IS + Cal. 3	qc3			IS + Cal. 3	IS + QC_3	1822-1					IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4 urine	1868-1				qc2 urine	IS + Cal. 5
E	IS + Cal. 5	Qc 2 urine		neg urine	IS + Cal. 5	qc2 blood	1849-1				IS + QC_4	IS + Cal. 4
F	IS + Cal. 6			1816-1	IS + Cal. 6	negative blood	1906-1				IS + QC_3	IS + Cal. 3
G	IS + Cal. 7			1682-1	IS + Cal. 7	1783-1	1884-1				IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8	1844-1	1545-1				IS + QC_1	IS + Cal. 1

am 28 extraction 8/27/21

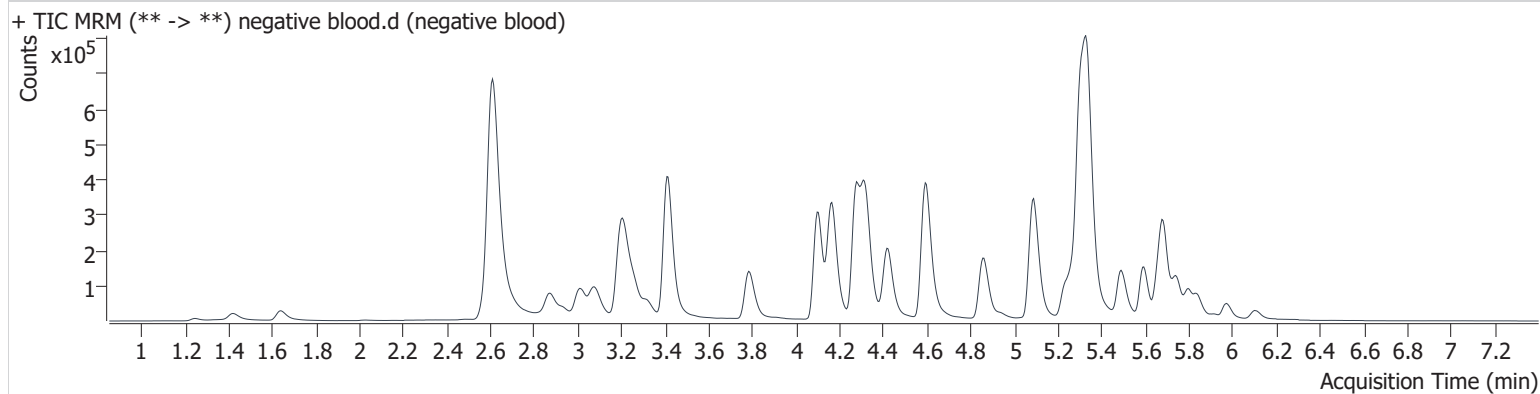
c2021-0__-__

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-F6	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 9:21:12 PM		
Sample Info.			

Sample Chromatogram

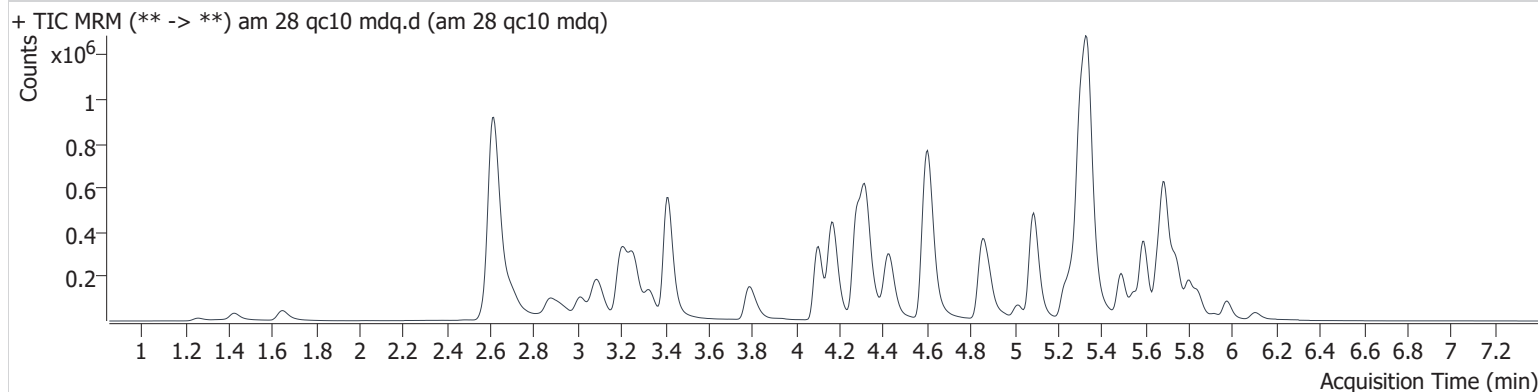


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 qc10 mdq.d
Type QC **Sample** am 28 qc10 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-A6 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 8:36:07 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.206	2403	∞	141.5	∞	63364	1.028 ng/ml
7-aminoclonazepam	4.339	27285	43902.0	68.7	3160.2	142240	10.721 ng/ml
a-hydroxyalprazolam	5.733	3238	5688.1	53.9	1794.6	190962	11.545 ng/ml
alpha-PHP	5.018	139032	∞	39.9	7739.4	663753	10.608 ng/ml
alpha-PVP	4.439	189380	29817.2	53.4	7780.0	695884	10.890 ng/ml
Alprazolam	5.806	63933	2424.0	89.0	8486.3	190962	10.786 ng/ml
Amphetamine	3.093	229883	3635.5	40.8	4375.8	354851	11.227 ng/ml
Benzoylcegonine	3.936	2908	3305519.8	57.4	123.7	8977	10.183 ng/ml
Buprenorphine	6.124	3597	125.9	14.9	800.6	98349	1.214 ng/ml
Bupropion	4.888	172331	∞	69.0	5118.2	663753	10.580 ng/ml
Carisoprodol	5.757	44840	302954.5	54.3	483.4	158265	11.031 ng/ml
Citalopram	5.274	123775	5483.5	40.7	2929.0	488625	10.674 ng/ml
Clonazepam	5.650	5102	604.9	32.9	367.2	8964	10.528 ng/ml
Clonazepam	5.596	10794	13989.7	40.1	6554.9	190962	9.799 ng/ml
Cocaine	4.317	145442	10390.6	50.8	14820.4	1071693	10.495 ng/ml
Codeine	2.679	20384	2604.3	86.4	2362.9	76325	10.560 ng/ml
Cyclobenzaprine	5.662	104587	2753.3	9.1	∞	327849	10.307 ng/ml
Dextromethorphan	5.318	86948	∞	74.8	4137.6	383269	10.636 ng/ml
Dextrophan	4.169	116031	15027.7	44.1	67545.6	563208	11.067 ng/ml
Diazepam	5.979	36950	∞	84.1	4883.4	158291	11.025 ng/ml
Dihydrocodeine	2.618	51212	968.4	60.0	808.7	268405	11.200 ng/ml
Diphenhydramine	5.344	375233	14403.4	31.5	19622.0	1813695	10.004 ng/ml
Doxylamine	4.613	546824	∞	80.9	11853.1	1931494	10.646 ng/ml
EDDP	5.301	201310	147119.1	43.2	148276.2	943299	10.662 ng/ml
Etizolam	5.841	31942	247669.6	21.4	16466.2	190962	10.308 ng/ml
Fentanyl	5.248	11671	47231.0	124.2	35727.2	506161	1.124 ng/ml
Flualprazolam	5.738	24591	2061.6	93.6	73379.2	190962	10.829 ng/ml
Fluoxetine	5.739	80179	12349.4	7.1	4720.7	267437	11.098 ng/ml
Hydrocodone	3.110	51870	∞	36.0	∞	253758	11.020 ng/ml
Hydromorphone	1.658	37148	∞	72.7	∞	116525	10.720 ng/ml
Ketamine	4.186	124833	∞	37.9	737.3	544144	10.900 ng/ml
Lamotrigine	4.386	10849	3082.2	85.6	∞	164267	12.116 ng/ml
Levetiracetam	2.707	44113	2177.8	227.2	4269.2	499603	10.762 ng/ml



AM #28 Multi-Drug Quant. Results

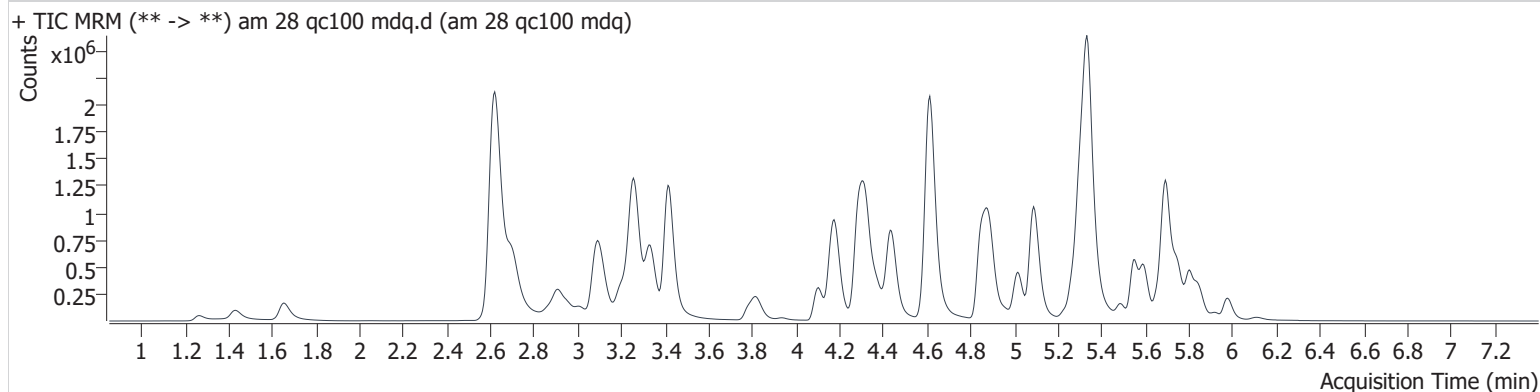
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	4045	∞	51.9	30.4	18090	11.341 ng/ml
MDA	3.240	119928	81160.4	27.6	3890.4	320302	10.829 ng/ml
MDMA	3.333	128532	9120.5	83.4	13241.1	119975	10.697 ng/ml
Meprobamate	4.967	10612	15171.4	31.4	396.1	30982	10.852 ng/ml
Methadone	5.686	208088	72328.7	51.9	7492.1	825391	10.697 ng/ml
Methamphetamine	3.262	340238	∞	39.2	∞	940942	11.674 ng/ml
Metoprolol	4.370	36546	39039.7	95.4	∞	320302	10.545 ng/ml
Mirtazapine	4.851	363104	24341.1	46.7	1552953.0	825391	12.538 ng/ml
Mitragynine	5.377	50836	202126.5	31.7	∞	593755	12.448 ng/ml
Morphine	1.271	8379	∞	16.7	2859.6	9921	11.032 ng/ml
Nordiazepam	5.928	9978	11201.2	60.8	∞	30299	10.294 ng/ml
Norfentanyl	4.124	9216	∞	39.6	∞	1046654	1.066 ng/ml
Norhydrocodone	3.111	3415	∞	25.6	753.4	72925	9.996 ng/ml
Noroxycodone	2.951	31549	∞	47.1	∞	99651	10.429 ng/ml
O-desmethyl-tramadol	3.419	313869	∞	6.0	38579.9	1456384	10.455 ng/ml
Oxazepam	5.781	5366	1130.3	63.2	36.0	18090	12.296 ng/ml
Oxycodone	2.909	102814	∞	27.9	∞	362602	10.810 ng/ml
Oxymorphone	1.429	34766	∞	43.5	∞	110566	10.750 ng/ml
Promethazine	5.594	161827	27886.2	38.7	2414.4	726399	10.690 ng/ml
Pseudoephedrine	2.621	647975	∞	24.9	9509.3	2897924	10.602 ng/ml
Quetiapine	5.700	251227	3349978.2	62.0	∞	330320	11.368 ng/ml
Sertraline	5.807	17424	∞	95.6	∞	59384	10.800 ng/ml
Temazepam	5.849	37356	668.7	27.5	123.2	164267	10.684 ng/ml
Tramadol	4.293	300505	23231.9	3.7	400.9	1309093	10.862 ng/ml
Trazodone	5.549	168086	5353.7	79.6	185913.5	593755	11.150 ng/ml
Venlafaxine	5.089	222011	30860.7	38.5	2436.9	1300803	10.542 ng/ml
Zolpidem	5.327	313435	7885.5	30.7	5462.5	1285649	10.741 ng/ml

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Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	am 28 qc100 mdq.d
Type	QC	Sample	am 28 qc100 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-B6	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 8:45:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	21231	∞	131.0	∞	53153	11.224 ng/ml
7-aminoclonazepam	4.339	96693	4085.6	75.2	2598203595 5050.3	51240	108.532 ng/ml
a-hydroxyalprazolam	5.733	21365	83945.0	54.5	332.4	131389	120.078 ng/ml
alpha-PHP	5.018	996448	∞	40.1	49680.0	507408	101.806 ng/ml
alpha-PVP	4.439	1423201	623375.3	53.2	47072.2	548491	110.344 ng/ml
Alprazolam	5.806	419197	∞	88.1	3093.7	131389	110.302 ng/ml
Amphetamine	3.088	1637380	∞	40.5	22572.9	292395	114.747 ng/ml
Benzoylcegonine	3.936	26713	104299.3	54.0	∞	7658	119.240 ng/ml
Buprenorphine	6.124	19268	2226.4	15.7	397.1	60742	11.410 ng/ml
Bupropion	4.888	1314301	1232746.4	67.7	66063.0	507408	105.386 ng/ml
Carisoprodol	5.757	330739	∞	56.7	2002.8	123174	109.303 ng/ml
Citalopram	5.274	737168	23644.3	40.6	452283.4	299139	111.496 ng/ml
Clonazepam	5.650	38354	18877.0	30.4	13854.1	6412	121.934 ng/ml
Clonazolam	5.596	90955	233638.0	39.5	∞	131389	131.495 ng/ml
Cocaine	4.322	1031695	66491.1	50.6	79742.7	786116	109.732 ng/ml
Codeine	2.679	143447	17175.6	92.2	2985577.2	52485	104.380 ng/ml
Cyclobenzaprine	5.662	360391	1951996.6	9.1	45842.5	112920	111.788 ng/ml
Dextromethorphan	5.313	435786	14878.0	74.5	74033.5	198997	110.600 ng/ml
Dextrorphan	4.164	854898	378908.1	44.8	9299.9	420829	114.456 ng/ml
Diazepam	5.979	246631	∞	85.6	4446.9	109820	112.575 ng/ml
Dihydrocodeine	2.618	374260	1782.9	60.1	3056.2	223473	112.757 ng/ml
Diphenhydramine	5.344	2245984	676047.8	31.3	62108.8	1081592	105.033 ng/ml
Doxylamine	4.613	3409196	236681.4	82.5	647134.4	1246601	109.807 ng/ml
EDDP	5.301	1208920	3016409.6	41.5	∞	573215	112.527 ng/ml
Etizolam	5.841	212443	∞	24.9	∞	131389	103.449 ng/ml
Fentanyl	5.248	51396	∞	122.7	82159.6	233004	11.722 ng/ml
Flualprazolam	5.738	172993	∞	94.0	3298.4	131389	120.669 ng/ml
Fluoxetine	5.739	202514	19847.2	7.3	34837.4	70192	111.981 ng/ml
Hydrocodone	3.105	422757	∞	37.2	∞	217893	118.269 ng/ml
Hydromorphone	1.658	322478	∞	73.6	∞	94833	115.795 ng/ml
Ketamine	4.186	943842	∞	39.2	8186.8	429485	110.836 ng/ml
Lamotrigine	4.381	73268	∞	87.7	∞	113329	116.933 ng/ml

AM #28 Multi-Drug Quant. Results

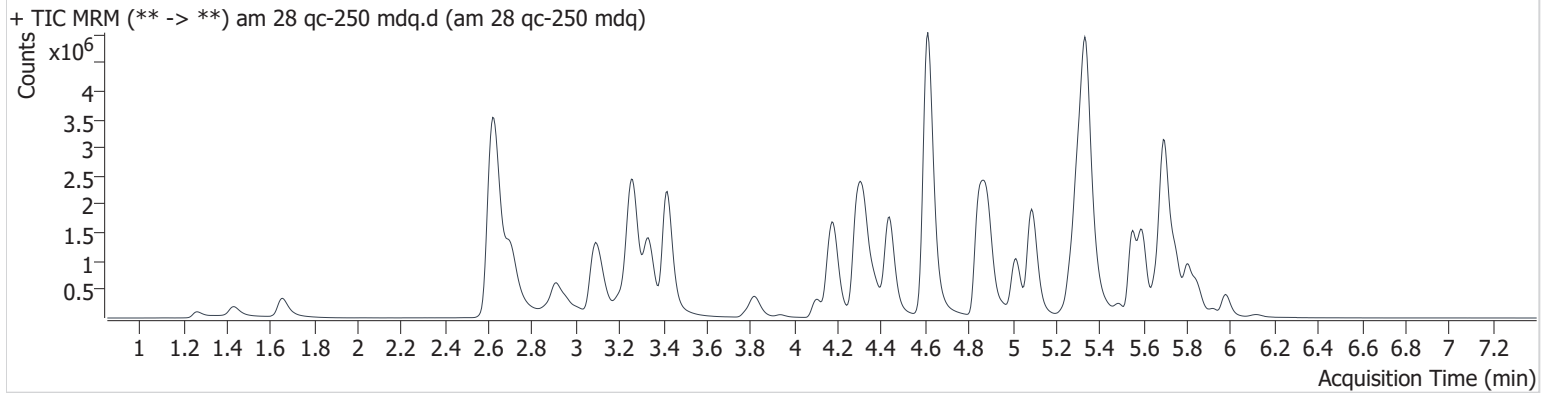
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.702	379731	5691.8	226.4	31813.4	413590	124.223 ng/ml
Lorazepam	5.780	25621	∞	50.0	∞	12780	114.449 ng/ml
MDA	3.240	803851	30752.4	26.9	18028.0	234980	114.134 ng/ml
MDMA	3.333	1015526	26960.5	90.3	701901.4	96919	113.924 ng/ml
Meprobamate	4.967	98553	125481.3	29.8	1931.2	29112	117.179 ng/ml
Methadone	5.686	1092981	33944.4	51.9	33625.5	451706	107.740 ng/ml
Methamphetamine	3.262	2014035	31484.0	39.8	∞	817342	118.560 ng/ml
Metoprolol	4.370	272098	∞	100.0	∞	234980	115.714 ng/ml
Mirtazapine	4.846	1670201	∞	47.1	703359.9	451706	111.027 ng/ml
Mitragynine	5.377	219445	379163.4	31.3	1331703.3	329511	106.532 ng/ml
Morphine	1.266	63566	∞	16.3	∞	7575	118.322 ng/ml
Norbuprenorphine	5.050	1566	17488.0	101.3	3528.3	7340	11.831 ng/ml
Nordiazepam	5.923	68014	∞	61.2	∞	20757	115.113 ng/ml
Norfentanyl	4.124	79497	∞	39.7	172861.4	892734	11.615 ng/ml
Norhydrocodone	3.116	31976	∞	28.2	928.7	62989	120.756 ng/ml
Noroxycodone	2.956	248314	∞	44.7	∞	75239	114.122 ng/ml
O-desmethyl-tramadol	3.419	2599693	203838.1	6.2	73876.7	1240607	110.000 ng/ml
Oxazepam	5.787	32625	1302.3	73.5	564.9	12780	113.648 ng/ml
Oxycodone	2.904	781005	∞	29.2	∞	293771	110.463 ng/ml
Oxymorphone	1.429	268190	∞	43.1	∞	86562	115.046 ng/ml
Promethazine	5.594	559506	24640.9	39.0	19580.6	254837	108.029 ng/ml
Pseudoephedrine	2.621	5164252	117268.4	24.3	65253.7	2344253	111.313 ng/ml
Quetiapine	5.700	1078285	402354.5	61.7	130992.3	156901	116.067 ng/ml
Sertraline	5.807	55933	106628.8	97.7	5210.1	19507	112.819 ng/ml
Temazepam	5.849	249271	13661.4	30.2	∞	113329	107.704 ng/ml
Tramadol	4.293	2396568	2832748.5	3.5	4484.0	1118072	111.103 ng/ml
Trazodone	5.549	902453	∞	82.3	∞	329511	120.128 ng/ml
Venlafaxine	5.089	1754276	134874.1	38.3	∞	1032114	108.433 ng/ml
Zolpidem	5.327	2207153	81227.0	29.9	269291.8	944569	107.049 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	am 28 qc-250 mdq.d
Type	QC	Sample	am 28 qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-C6	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 8:54:13 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	47041	∞	139.2	∞	50121	26.430 ng/ml
7-aminoclonazepam	4.339	216675	8245.8	77.4	24093.3	49000	254.787 ng/ml
a-hydroxyalprazolam	5.733	40163	889.8	53.0	2778.7	109241	272.869 ng/ml
alpha-PHP	5.018	2378885	60420.2	40.6	39323.7	463309	266.636 ng/ml
alpha-PVP	4.439	3423867	∞	52.5	301216.2	538154	271.667 ng/ml
Alprazolam	5.806	846873	7692.2	88.8	14854.1	109241	269.273 ng/ml
Amphetamine	3.088	3078557	147694.8	40.7	41841.9	265667	239.927 ng/ml
Benzoylcegonine	3.936	63404	∞	53.8	10731.3	7114	306.163 ng/ml
Buprenorphine	6.124	60969	7688.8	16.7	3814.2	76968	28.666 ng/ml
Bupropion	4.888	3041650	514147.6	66.9	201657.0	463309	267.078 ng/ml
Carisoprodol	5.757	620911	∞	56.1	10447.5	94520	268.220 ng/ml
Citalopram	5.269	1894133	∞	39.7	34380.0	303117	284.072 ng/ml
Clonazepam	5.650	80123	23850.7	32.2	26918.4	5897	278.516 ng/ml
Clonazepam	5.596	170974	99032.6	40.0	57564.7	109241	298.584 ng/ml
Cocaine	4.322	2370119	142385.1	50.3	701455.7	731085	272.461 ng/ml
Codeine	2.684	302413	48035.4	89.0	490010.9	43319	265.994 ng/ml
Cyclobenzaprine	5.662	1299115	210725.8	8.9	462833.2	166170	275.232 ng/ml
Dextromethorphan	5.313	1078113	44232.4	73.1	2262633.7	197810	276.623 ng/ml
Dextrophan	4.164	2028283	170321.2	44.3	252424.7	402269	284.971 ng/ml
Diazepam	5.979	546610	7198.9	87.7	10606.8	99627	276.117 ng/ml
Dihydrocodeine	2.618	783000	3087.8	59.6	6829.6	213530	249.097 ng/ml
Diphenhydramine	5.344	5003360	224840.5	30.5	75988.3	942319	269.360 ng/ml
Doxylamine	4.613	8969069	222436.4	82.7	∞	1306364	276.884 ng/ml
EDDP	5.301	3279946	1882757.7	42.9	2900365.8	632903	277.683 ng/ml
Etizolam	5.841	450072	∞	23.0	∞	109241	264.275 ng/ml
Fentanyl	5.248	158800	220388.9	122.0	∞	294436	28.823 ng/ml
Flualprazolam	5.738	331156	31191.7	94.9	43966.1	109241	279.230 ng/ml
Fluoxetine	5.739	723935	∞	7.7	∞	104728	269.134 ng/ml
Hydrocodone	3.105	959292	∞	37.2	∞	206405	285.551 ng/ml
Hydromorphone	1.658	761585	∞	73.1	∞	94825	273.695 ng/ml
Ketamine	4.186	1997792	∞	38.4	12203.8	366919	275.712 ng/ml
Lamotrigine	4.386	159130	∞	85.7	7176.6	94622	303.869 ng/ml
Levetiracetam	2.707	803279	19028.2	225.4	49508.1	375343	291.302 ng/ml

AM #28 Multi-Drug Quant. Results

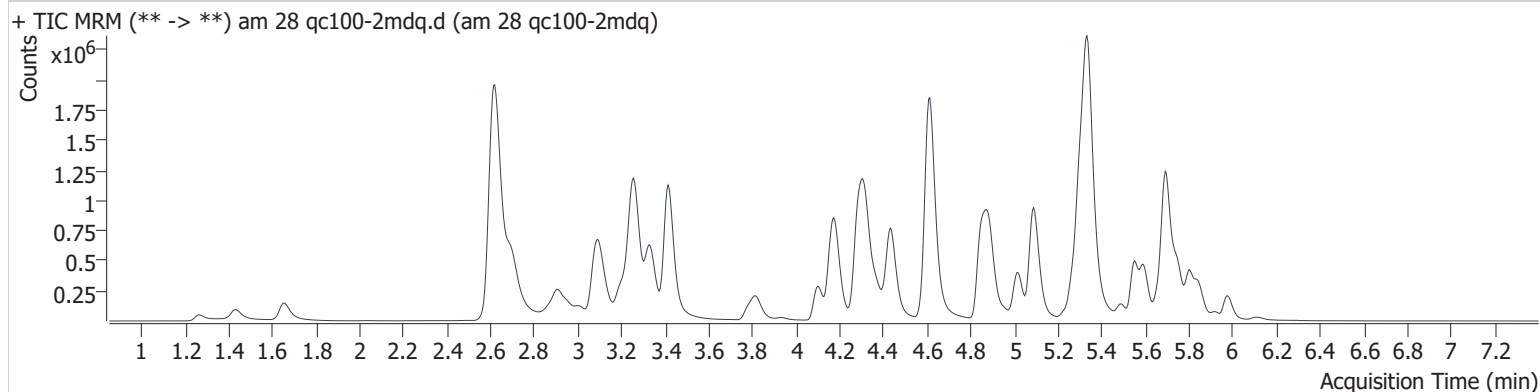
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	59707	3212.0	47.1	∞	11576	296.968 ng/ml
MDA	3.235	1508191	63830.2	27.0	23362.1	190747	266.245 ng/ml
MDMA	3.333	2211617	124425.4	89.1	36781.3	86742	278.734 ng/ml
Meprobamate	4.967	199462	∞	30.0	4769.8	24503	283.339 ng/ml
Methadone	5.686	3017902	73289.7	50.9	224415.5	490228	275.023 ng/ml
Methamphetamine	3.262	4062072	∞	39.8	∞	774755	259.831 ng/ml
Metoprolol	4.370	528119	∞	96.8	∞	190747	277.995 ng/ml
Mirtazapine	4.851	4708036	232177.6	47.3	98529.7	490228	289.591 ng/ml
Mitragynine	5.377	718191	1114722.9	31.3	1370658210 933220.0	414574	279.408 ng/ml
Morphine	1.266	153902	∞	15.2	∞	8207	265.627 ng/ml
Norbuprenorphine	5.045	3749	911.0	104.8	4876.0	7320	28.285 ng/ml
Nordiazepam	5.928	152142	∞	63.6	∞	20305	265.060 ng/ml
Norfentanyl	4.124	179540	11811.8	40.0	434960.1	872655	26.956 ng/ml
Norhydrocodone	3.116	70688	∞	29.9	2287.3	60339	280.315 ng/ml
Noroxycodone	2.961	552975	∞	44.0	∞	69083	277.606 ng/ml
O-desmethyl-tramadol	3.419	5857105	∞	6.0	1679189205 10830000.0	1119112	276.168 ng/ml
Oxazepam	5.787	79005	9966.5	71.8	468.7	11576	305.550 ng/ml
Oxycodone	2.909	1890198	∞	29.0	∞	290755	271.689 ng/ml
Oxymorphone	1.429	634022	∞	43.2	∞	84697	279.427 ng/ml
Promethazine	5.599	2187870	284744.9	38.2	∞	412889	261.153 ng/ml
Pseudoephedrine	2.626	10587812	∞	24.2	∞	1961000	273.939 ng/ml
Quetiapine	5.700	2826361	461040.0	63.5	884847.0	173883	276.787 ng/ml
Sertraline	5.807	196745	632831.8	99.9	∞	28759	270.329 ng/ml
Temazepam	5.849	527516	47300.8	29.4	∞	94622	273.760 ng/ml
Tramadol	4.293	5287696	233431.2	3.5	7082.9	1029139	267.939 ng/ml
Trazodone	5.549	2506993	431513.0	83.0	∞	414574	266.947 ng/ml
Venlafaxine	5.089	3945903	224071.8	38.3	19429.1	939140	268.611 ng/ml
Zolpidem	5.332	4709421	167338.2	29.9	4204933.5	798346	270.973 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	am 28 qc100-2mdq.d
Type	QC	Sample	am 28 qc100-2mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-E6	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 11:36:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	18165	∞	143.2	80595.8	46799	10.906 ng/ml
7-aminoclonazepam	4.339	80476	268651.5	74.0	45448.7	45187	102.411 ng/ml
a-hydroxyalprazolam	5.733	17021	459.0	54.9	373.1	117382	106.957 ng/ml
alpha-PHP	5.018	895019	1447237.6	40.0	640858.3	444904	104.297 ng/ml
alpha-PVP	4.439	1288911	420510.6	52.5	56278.4	489869	111.902 ng/ml
Alprazolam	5.806	374607	11505.6	88.4	18215.1	117382	110.332 ng/ml
Amphetamine	3.088	1514785	∞	40.3	47910.4	275572	112.594 ng/ml
Benzoylcegonine	3.937	24913	∞	56.2	592.0	7789	109.249 ng/ml
Buprenorphine	6.124	17352	364248.9	17.4	2727.5	57868	10.779 ng/ml
Bupropion	4.888	1130965	14384085.3	67.7	33304.7	444904	103.426 ng/ml
Carisoprodol	5.757	281155	∞	56.6	6896.0	102896	111.238 ng/ml
Citalopram	5.274	672445	7943.3	40.7	15267.2	270543	112.464 ng/ml
Clonazepam	5.650	34185	1649.1	30.9	4722.7	5896	118.169 ng/ml
Clonazepam	5.591	74884	29488.1	39.4	10677.9	117382	121.101 ng/ml
Cocaine	4.317	936799	∞	50.1	121950.6	698701	112.125 ng/ml
Codeine	2.679	129596	362017.0	91.3	21629.6	48948	101.128 ng/ml
Cyclobenzaprine	5.662	326924	1432627.0	8.3	∞	102078	112.182 ng/ml
Dextromethorphan	5.313	392054	27248.0	74.1	∞	176420	112.248 ng/ml
Dextrophan	4.164	792891	356209.7	45.6	∞	389094	114.814 ng/ml
Diazepam	5.979	242997	11892.9	85.1	8616.0	107137	113.702 ng/ml
Dihydrocodeine	2.613	347968	3259.7	58.8	514.7	203902	114.934 ng/ml
Diphenhydramine	5.344	2032399	240364.8	30.4	∞	963664	106.684 ng/ml
Doxylamine	4.613	3087006	741458.3	79.6	∞	1072112	115.654 ng/ml
EDDP	5.302	1181953	4433297.9	43.4	∞	573796	109.887 ng/ml
Etizolam	5.841	188864	∞	23.1	177720.5	117382	102.939 ng/ml
Fentanyl	5.248	42531	192998.7	116.7	190300.0	195746	11.544 ng/ml
Flualprazolam	5.738	146811	8825.4	95.8	23589.1	117382	114.572 ng/ml
Fluoxetine	5.739	205093	∞	7.1	53146.9	70937	112.216 ng/ml
Hydrocodone	3.105	368204	∞	37.1	∞	191050	117.469 ng/ml
Hydromorphone	1.658	287092	∞	69.1	∞	86608	112.875 ng/ml
Ketamine	4.186	843157	∞	39.1	8915.3	388081	109.568 ng/ml
Lamotrigine	4.381	65462	∞	87.8	∞	108577	109.060 ng/ml
Levetiracetam	2.702	319938	7238.3	224.6	35725.6	373490	115.812 ng/ml

AM #28 Multi-Drug Quant. Results

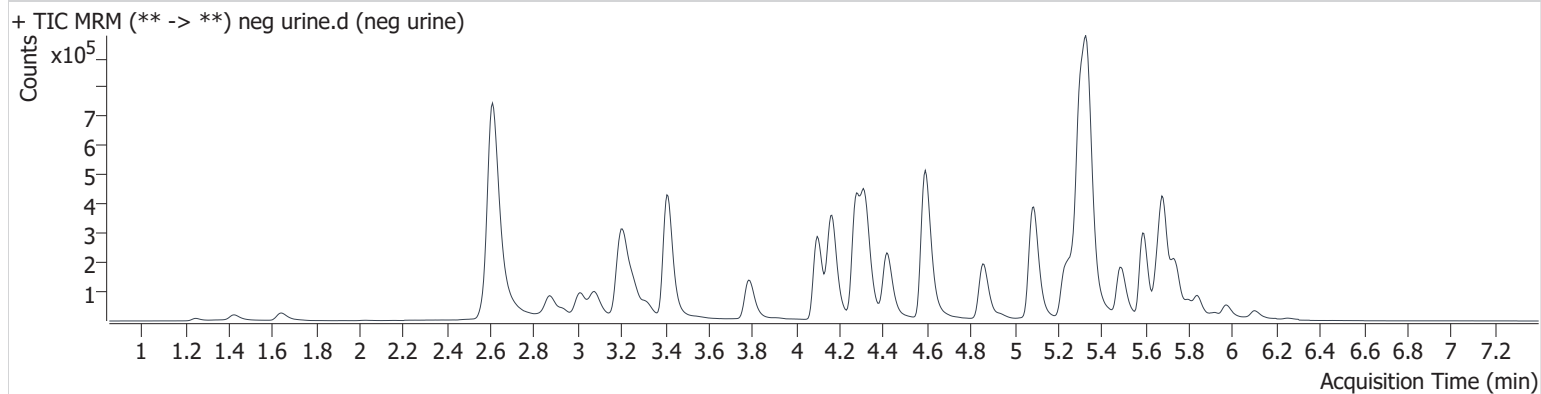
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	22884	2311.9	48.2	1162.3	12136	107.545 ng/ml
	3.240	742710	21671.4	27.1	6914.8	220674	112.259 ng/ml
MDMA	3.333	906726	337517.2	89.8	37743.0	87517	112.635 ng/ml
Meprobamate	4.961	81755	3066320.5	30.3	1060.1	24002	117.908 ng/ml
Methadone	5.686	981423	79445.3	52.8	22050.0	412354	105.966 ng/ml
Methamphetamine	3.262	1789586	52171.9	40.2	28261.9	734612	117.135 ng/ml
Metoprolol	4.370	242558	473611.2	98.0	∞	220674	109.791 ng/ml
Mirtazapine	4.846	1487306	2859435.0	47.6	3160595.3	412354	108.285 ng/ml
Mitragynine	5.377	195462	∞	30.7	∞	295745	105.712 ng/ml
Morphine	1.266	62793	∞	17.6	∞	7825	113.113 ng/ml
Norbuprenorphine	5.050	1233	∞	95.3	∞	6385	10.723 ng/ml
Nordiazepam	5.928	68984	∞	63.8	∞	21809	111.076 ng/ml
Norfentanyl	4.124	74066	∞	39.3	158952.3	833407	11.592 ng/ml
Norhydrocodone	3.111	29455	∞	29.7	∞	60241	116.262 ng/ml
Noroxycodone	2.956	236925	∞	44.7	∞	71801	114.102 ng/ml
O-desmethyl-tramadol	3.419	2325953	2236074.0	6.1	27031.8	1097644	111.247 ng/ml
Oxazepam	5.787	30240	6076.1	71.0	348.6	12136	110.899 ng/ml
Oxycodone	2.904	694034	∞	29.3	∞	263043	109.621 ng/ml
Oxymorphone	1.429	254918	∞	43.2	∞	83218	113.735 ng/ml
Promethazine	5.594	495705	1885707.6	38.2	∞	223431	109.166 ng/ml
Pseudoephedrine	2.624	4702415	∞	24.5	∞	2141436	110.955 ng/ml
Quetiapine	5.700	1051718	∞	62.0	∞	144194	123.286 ng/ml
Sertraline	5.807	61672	300822.4	96.7	∞	21070	115.186 ng/ml
Temazepam	5.849	245128	19760.8	29.2	1800.7	108577	110.562 ng/ml
Tramadol	4.293	2139388	15123.5	3.5	2060.0	971814	114.138 ng/ml
Trazodone	5.550	780572	59457.7	83.6	63333.8	295745	115.716 ng/ml
Venlafaxine	5.089	1543370	31446.9	38.5	6824.2	911483	108.020 ng/ml
Zolpidem	5.332	1919865	467080.2	30.4	2934266.6	809232	108.695 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	neg urine.d
Type	Sample	Sample	neg urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-E4	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 11:09:27 PM		
Sample Info.			

Sample Chromatogram

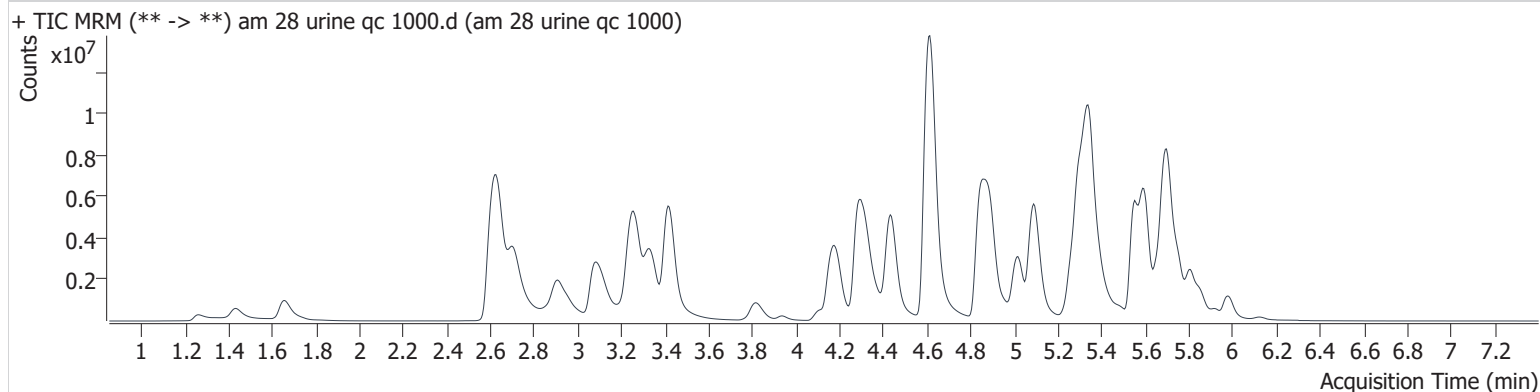


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	am 28 urine qc 1000.d
Type	Sample	Sample	am 28 urine qc 1000
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-D6	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 9:03:14 PM		

Sample Chromatogram

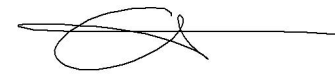


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	140002	∞	135.8	∞	38043	103.760 ng/ml
7-aminoclonazepam	4.339	480577	65574.5	78.4	7258.0	23794	1164.987 ng/ml
a-hydroxyalprazolam	5.733	96604	5005.8	58.6	4380.4	60187	1194.924 ng/ml
alpha-PHP	5.018	7961994	153259.7	39.8	640296.7	342403	1208.527 ng/ml
alpha-PVP	4.434	11672803	3965452.9	51.2	181528.1	464501	1075.287 ng/ml
Alprazolam	5.806	1898209	31903.5	91.7	20750.8	60187	1098.183 ng/ml
Amphetamine	3.083	7040632	194525.8	42.2	79061.0	232330	631.185 ng/ml
Benzoylcegonine	3.936	315285	765333.8	53.4	21840.8	9205	1179.347 ng/ml
Buprenorphine	6.124	243782	76270.5	16.7	13204.0	84179	105.106 ng/ml
Bupropion	4.888	10216248	12031979.5	64.5	569278.5	342403	1213.749 ng/ml
Carisoprodol	5.762	1044269	1422399.6	57.2	∞	38608	1106.126 ng/ml
Citalopram	5.269	5216453	∞	42.1	256013.3	223732	1062.321 ng/ml
Clonazepam	5.644	170854	98249.1	33.9	6757.5	3424	1026.028 ng/ml
Clonazepam	5.596	270012	4138.3	39.5	4976.8	60187	857.768 ng/ml
Cocaine	4.317	6580930	227718.4	48.9	234445.6	501426	1105.915 ng/ml
Codeine	2.679	800716	85419.7	90.6	∞	23103	1318.999 ng/ml
Cyclobenzaprine	5.657	5090107	147076.9	8.6	∞	168443	1066.603 ng/ml
Dextromethorphan	5.307	2416392	408108.1	73.3	501148.4	114709	1071.786 ng/ml
Dextrophan	4.159	5948007	547780.9	44.0	183267.9	296242	1136.578 ng/ml
Diazepam	5.984	1873376	∞	86.0	∞	82195	1149.411 ng/ml
Dihydrocodeine	2.613	2021254	1693.6	60.8	5636.8	196817	700.976 ng/ml
Diphenhydramine	5.350	11544809	562194.5	30.0	∞	509504	1151.170 ng/ml
Doxylamine	4.613	29226010	773576.6	86.5	∞	1150327	1026.792 ng/ml
EDDP	5.303	13098718	∞	41.8	233521.9	596933	1178.380 ng/ml
Etizolam	5.841	1244982	2009635078 21684.0	24.1	9075.7	60187	1328.617 ng/ml
Fentanyl	5.242	913582	15121637.4	131.8	51297.5	477256	102.588 ng/ml
Flualprazolam	5.738	818420	20242.6	94.9	2403.1	60187	1256.296 ng/ml
Fluoxetine	5.739	3661904	∞	7.3	430215.1	124867	1143.752 ng/ml
Hydrocodone	3.100	3186167	∞	36.2	∞	186861	1051.913 ng/ml
Hydromorphone	1.658	2559781	∞	72.9	∞	76563	1139.816 ng/ml
Ketamine	4.191	5128461	∞	38.3	194166.1	228969	1136.520 ng/ml
Lamotrigine	4.386	337481	23025.6	87.3	∞	66345	918.726 ng/ml

AM #28 Multi-Drug Quant. Results

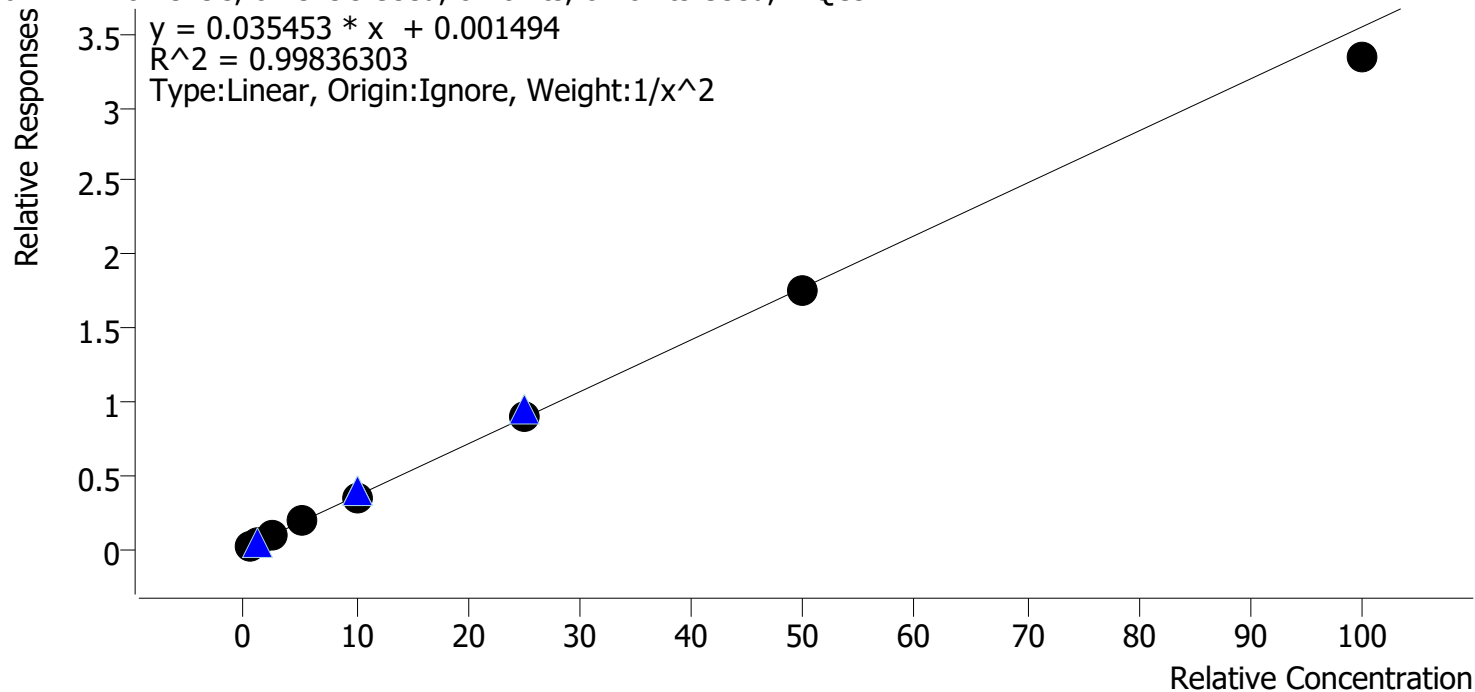
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.707	2528418	53077.2	224.6	290504.7	349870	986.779 ng/ml
Lorazepam	5.774	187146	42169.9	49.5	∞	10072	1074.019 ng/ml
MDA	3.225	2737611	76635.4	27.9	21256.3	116858	792.517 ng/ml
MDMA	3.334	6007010	1521098.4	88.4	117813.2	60756	1083.924 ng/ml
Meprobamate	4.967	732536	2086408.1	29.1	78738.4	23808	1074.032 ng/ml
Methadone	5.686	12190147	212157.7	47.3	326859.3	468765	1163.660 ng/ml
Methamphetamine	3.261	10774647	∞	38.8	∞	725098	748.703 ng/ml
Metoprolol	4.365	1223517	461916.5	97.0	∞	116858	1053.912 ng/ml
Mirtazapine	4.846	14738494	426053.7	46.2	∞	468765	949.803 ng/ml
Mitragynine	5.377	3657731	∞	32.1	∞	498399	1188.319 ng/ml
Morphine	1.261	494775	∞	17.1	∞	7721	910.032 ng/ml
Norbuprenorphine	5.050	13906	80422.4	100.9	∞	6727	113.900 ng/ml
Nordiazepam	5.923	526040	∞	62.2	∞	15565	1200.570 ng/ml
Norfentanyl	4.119	632339	23901.9	38.1	∞	859613	96.616 ng/ml
Norhydrocodone	3.116	158694	∞	32.2	∞	41134	925.998 ng/ml
Noroxycodone	2.956	1706850	∞	43.9	∞	57637	1028.602 ng/ml
O-desmethyl-tramadol	3.414	18714922	1784303.7	5.8	111221.2	887827	1115.197 ng/ml
Oxazepam	5.781	241286	22194.0	74.6	2954.7	10072	1075.141 ng/ml
Oxycodone	2.905	7121229	∞	29.1	∞	286562	1041.621 ng/ml
Oxymorphone	1.429	2181451	∞	43.1	∞	78294	1042.841 ng/ml
Promethazine	5.594	11974456	1524419.8	36.3	396413.2	519490	1137.028 ng/ml
Pseudoephedrine	2.626	27314021	90121.1	23.6	∞	1272260	1091.575 ng/ml
Quetiapine	5.705	5598713	1501315.2	62.6	∞	97822	978.789 ng/ml
Sertraline	5.807	1048685	3517108.4	96.7	821792.6	39970	1039.098 ng/ml
Temazepam	5.854	1558726	40124.1	30.5	∞	66345	1155.311 ng/ml
Tramadol	4.282	16086002	328751.7	3.2	11560.9	776974	1083.170 ng/ml
Trazodone	5.549	9373935	285965.5	80.9	∞	498399	833.251 ng/ml
Venlafaxine	5.089	14588421	1237343.0	36.3	110509.0	779606	1197.630 ng/ml
Zolpidem	5.337	12490186	∞	28.4	1162320.2	470002	1222.400 ng/ml

Compound Calibration Report



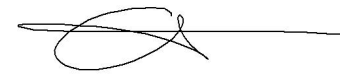
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Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



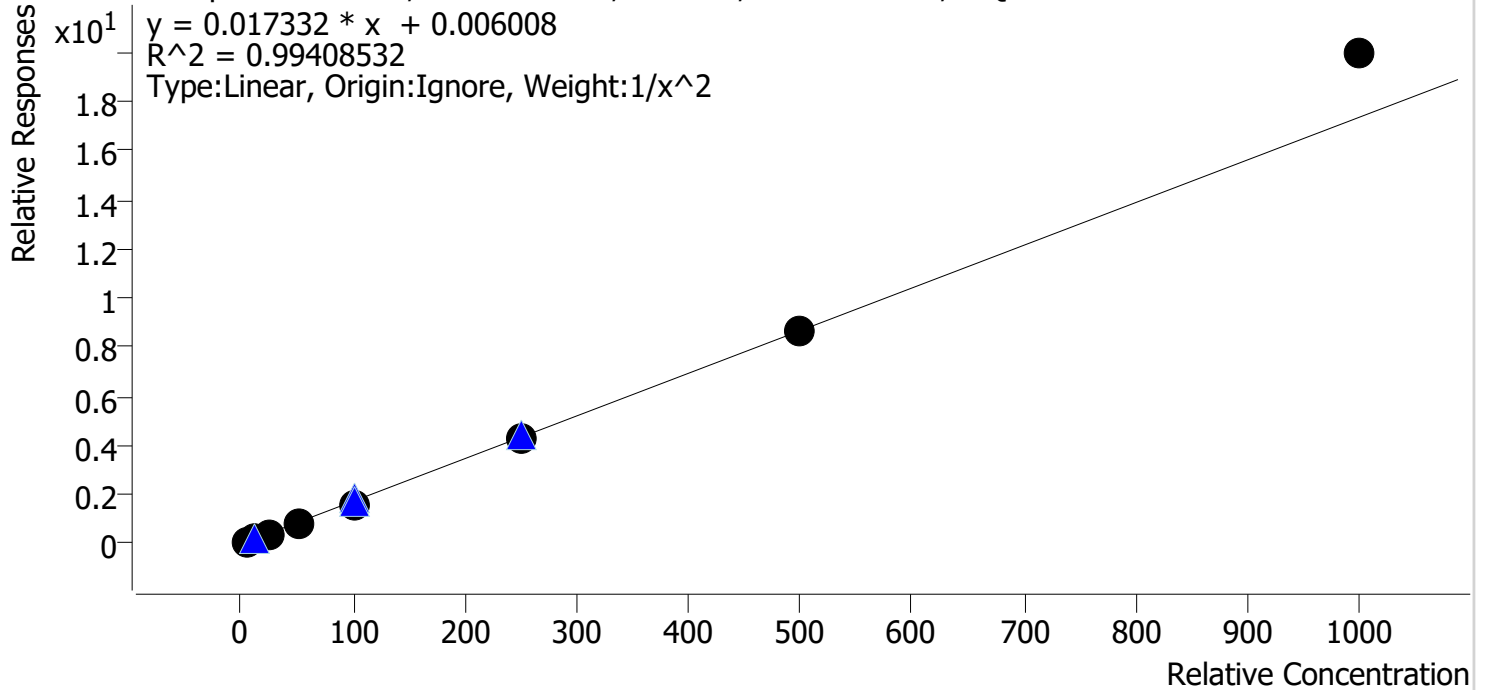
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
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am 28 cal 2 mdq	2	✓	1.0	1.0	103.7
am 28 cal 3 mdq	3	✓	2.5	2.6	105.2
am 28 cal 4 mdq	4	✓	5.0	5.0	101.0
am 28 cal 5 mdq	5	✓	10.0	9.9	98.9
am28 cal 6 mdq	6	✓	25.0	25.2	100.6
am 28 cal 7 mdq	7	✓	50.0	49.7	99.4
am 28 cal 8 mdq	8	✓	100.0	94.1	94.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



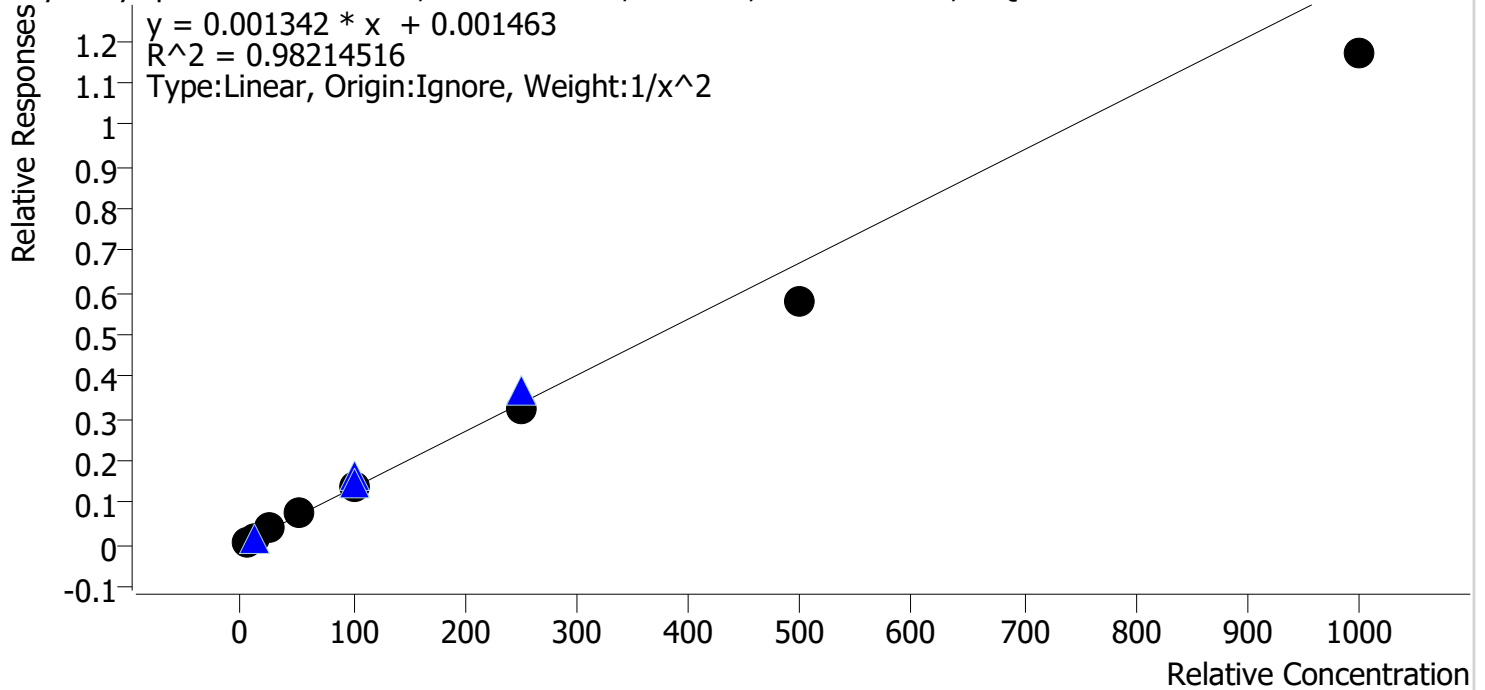
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.2	103.4
am 28 cal 2 mdq	2	✓	10.0	9.5	95.5
am 28 cal 3 mdq	3	✓	25.0	24.3	97.3
am 28 cal 4 mdq	4	✓	50.0	47.9	95.8
am 28 cal 5 mdq	5	✓	100.0	94.6	94.6
am28 cal 6 mdq	6	✓	250.0	244.9	98.0
am 28 cal 7 mdq	7	✓	500.0	502.4	100.5
am 28 cal 8 mdq	8	✓	1000.0	1149.3	114.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

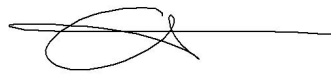
a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.5	90.0
am 28 cal 2 mdq	2	✓	10.0	11.2	112.1
am 28 cal 3 mdq	3	✓	25.0	28.8	115.2
am 28 cal 4 mdq	4	✓	50.0	55.2	110.4
am 28 cal 5 mdq	5	✓	100.0	101.7	101.7
am28 cal 6 mdq	6	✓	250.0	243.4	97.4
am 28 cal 7 mdq	7	✓	500.0	430.2	86.0
am 28 cal 8 mdq	8	✓	1000.0	871.0	87.1

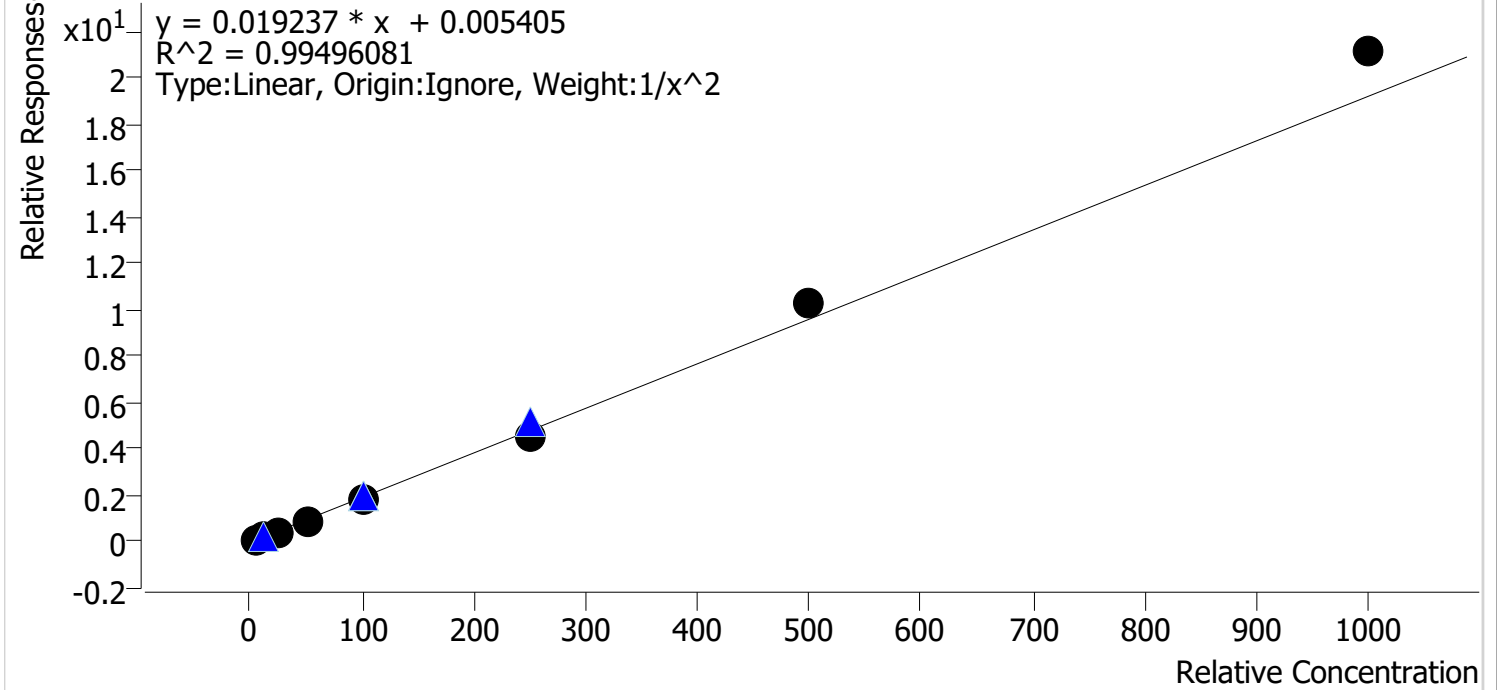
Evaluated qualitatively only due to using surrogate internal standard and accuracy 100 ng control.

Compound Calibration Report



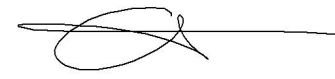
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** Bupropion-D9

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



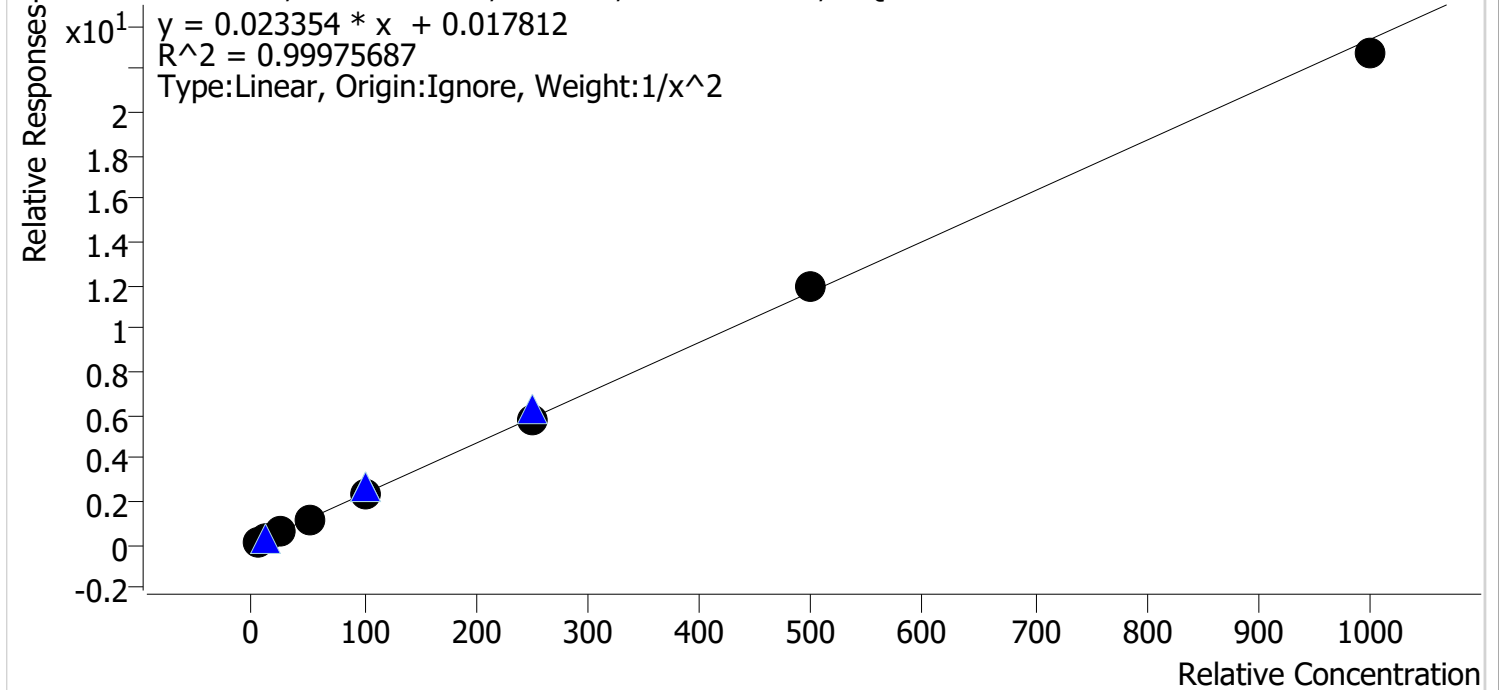
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.8
am 28 cal 2 mdq	2	✓	10.0	9.7	97.0
am 28 cal 3 mdq	3	✓	25.0	24.3	97.1
am 28 cal 4 mdq	4	✓	50.0	48.1	96.2
am 28 cal 5 mdq	5	✓	100.0	93.1	93.1
am28 cal 6 mdq	6	✓	250.0	239.9	96.0
am 28 cal 7 mdq	7	✓	500.0	539.5	107.9
am 28 cal 8 mdq	8	✓	1000.0	1100.4	110.0

Compound Calibration Report



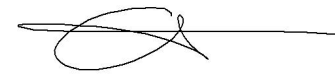
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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



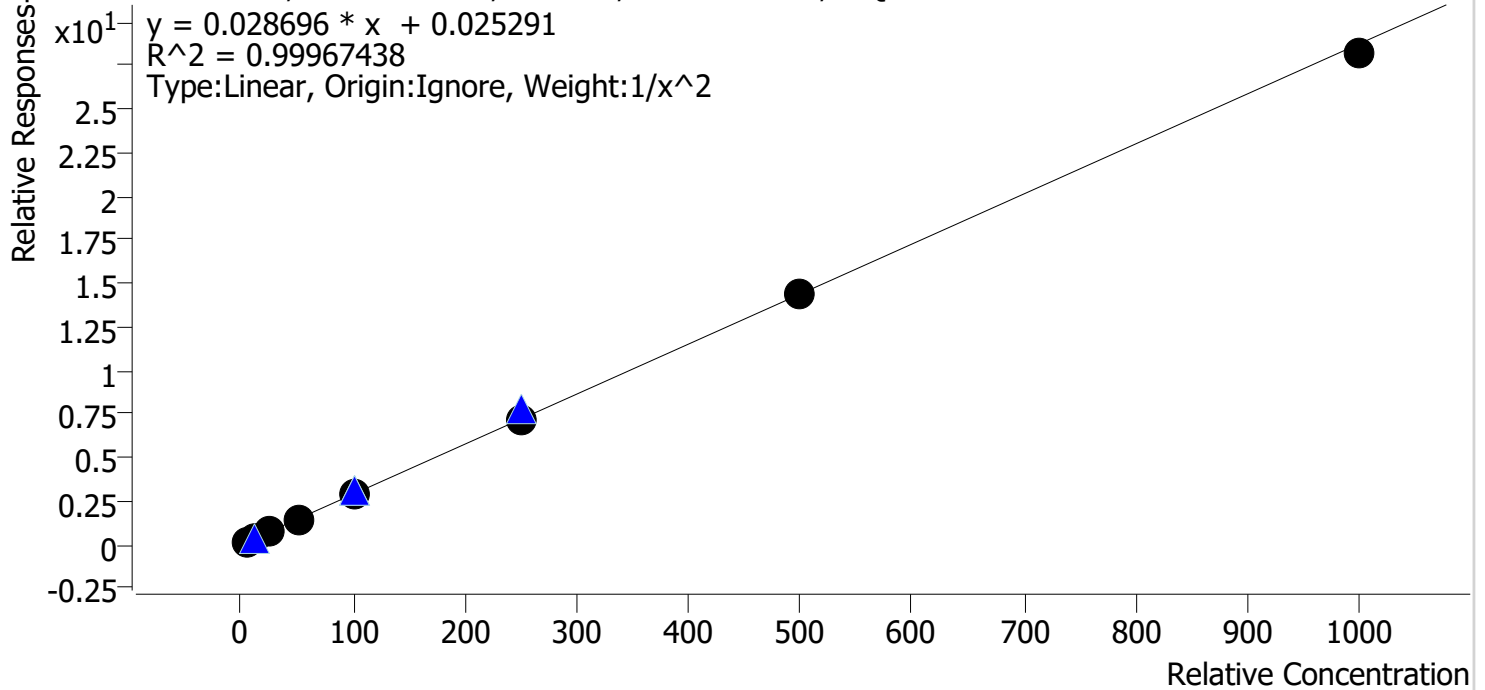
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.6
am 28 cal 2 mdq	2	✓	10.0	10.1	100.7
am 28 cal 3 mdq	3	✓	25.0	25.0	100.1
am 28 cal 4 mdq	4	✓	50.0	50.3	100.5
am 28 cal 5 mdq	5	✓	100.0	100.4	100.4
am28 cal 6 mdq	6	✓	250.0	249.1	99.6
am 28 cal 7 mdq	7	✓	500.0	509.5	101.9
am 28 cal 8 mdq	8	✓	1000.0	971.8	97.2

Compound Calibration Report



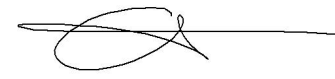
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



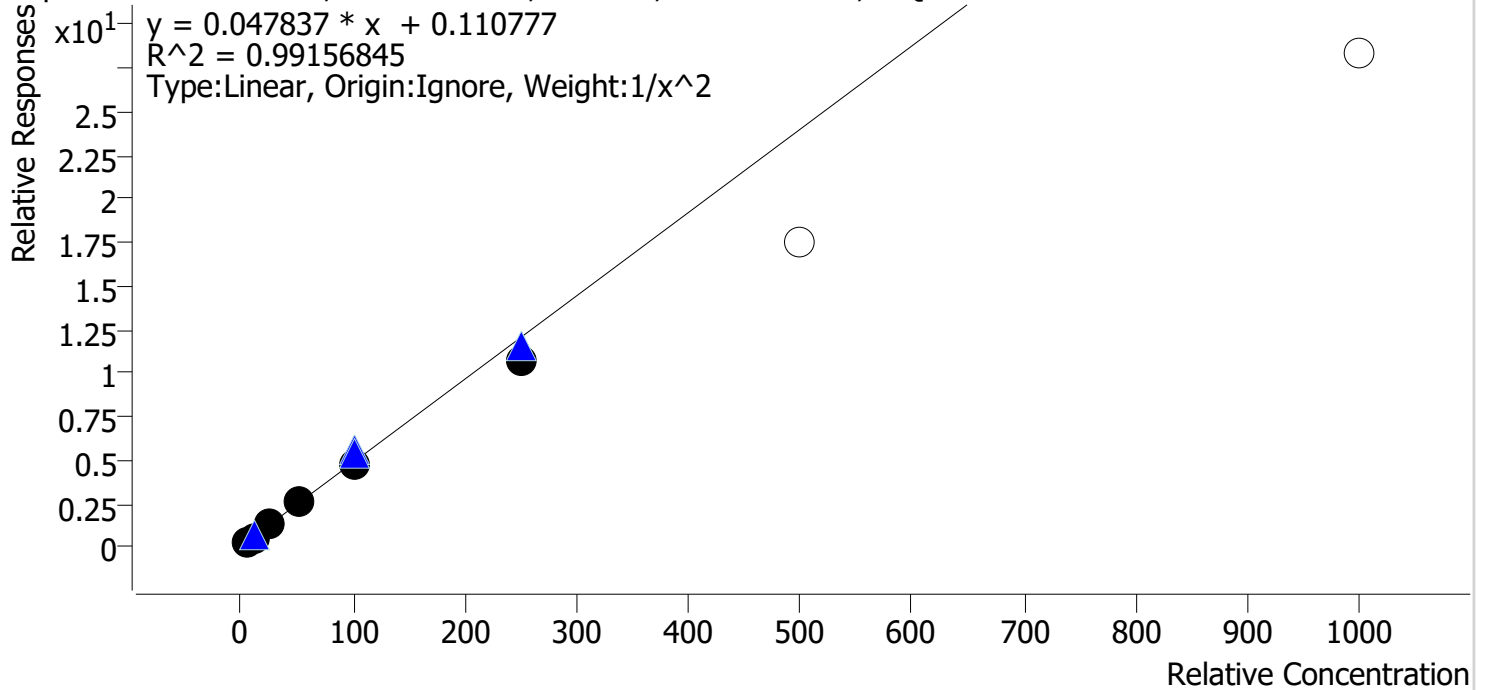
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.8
am 28 cal 2 mdq	2	✓	10.0	10.0	100.0
am 28 cal 3 mdq	3	✓	25.0	25.5	102.1
am 28 cal 4 mdq	4	✓	50.0	48.8	97.5
am 28 cal 5 mdq	5	✓	100.0	101.5	101.5
am28 cal 6 mdq	6	✓	250.0	251.3	100.5
am 28 cal 7 mdq	7	✓	500.0	502.9	100.6
am 28 cal 8 mdq	8	✓	1000.0	980.6	98.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

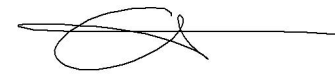
Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	95.7
am 28 cal 2 mdq	2	✓	10.0	10.5	105.1
am 28 cal 3 mdq	3	✓	25.0	27.0	107.8
am 28 cal 4 mdq	4	✓	50.0	52.7	105.4
am 28 cal 5 mdq	5	✓	100.0	98.1	98.1
am28 cal 6 mdq	6	✓	250.0	220.0	88.0
am 28 cal 7 mdq	7	✗	500.0	364.4	72.9
am 28 cal 8 mdq	8	✗	1000.0	590.6	59.1

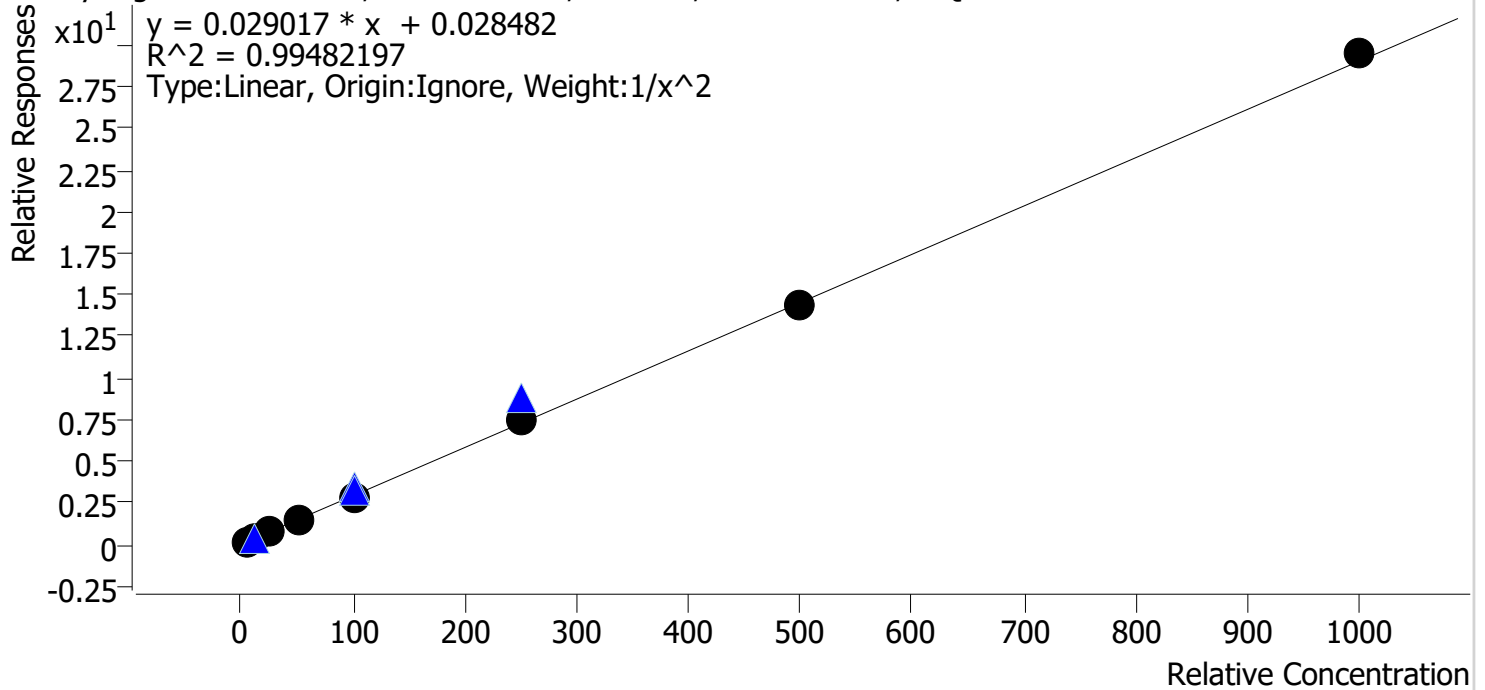
dropped cal 7 and 8 due to accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



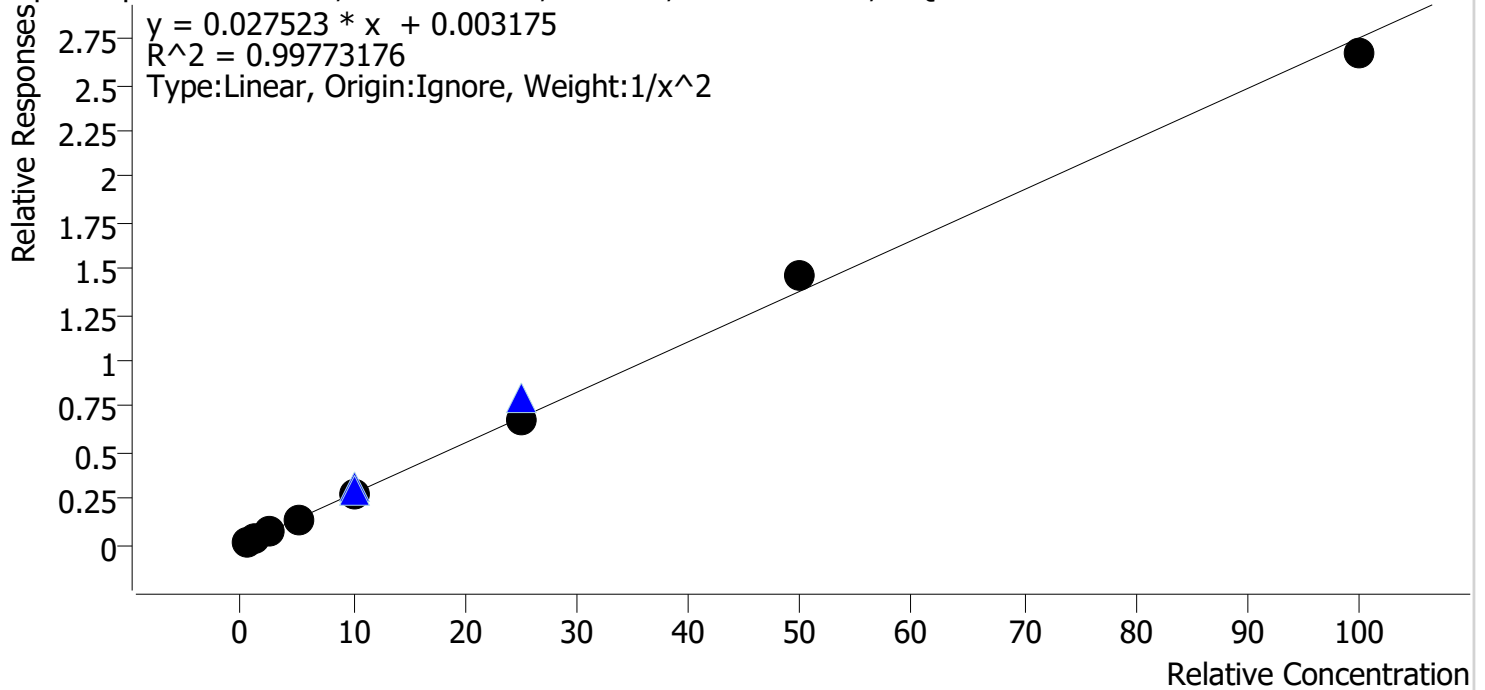
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.7	94.1
am 28 cal 2 mdq	2	✓	10.0	11.3	112.6
am 28 cal 3 mdq	3	✓	25.0	25.5	102.0
am 28 cal 4 mdq	4	✓	50.0	47.5	95.0
am 28 cal 5 mdq	5	✓	100.0	93.5	93.5
am28 cal 6 mdq	6	✓	250.0	255.4	102.2
am 28 cal 7 mdq	7	✓	500.0	495.7	99.1
am 28 cal 8 mdq	8	✓	1000.0	1015.7	101.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



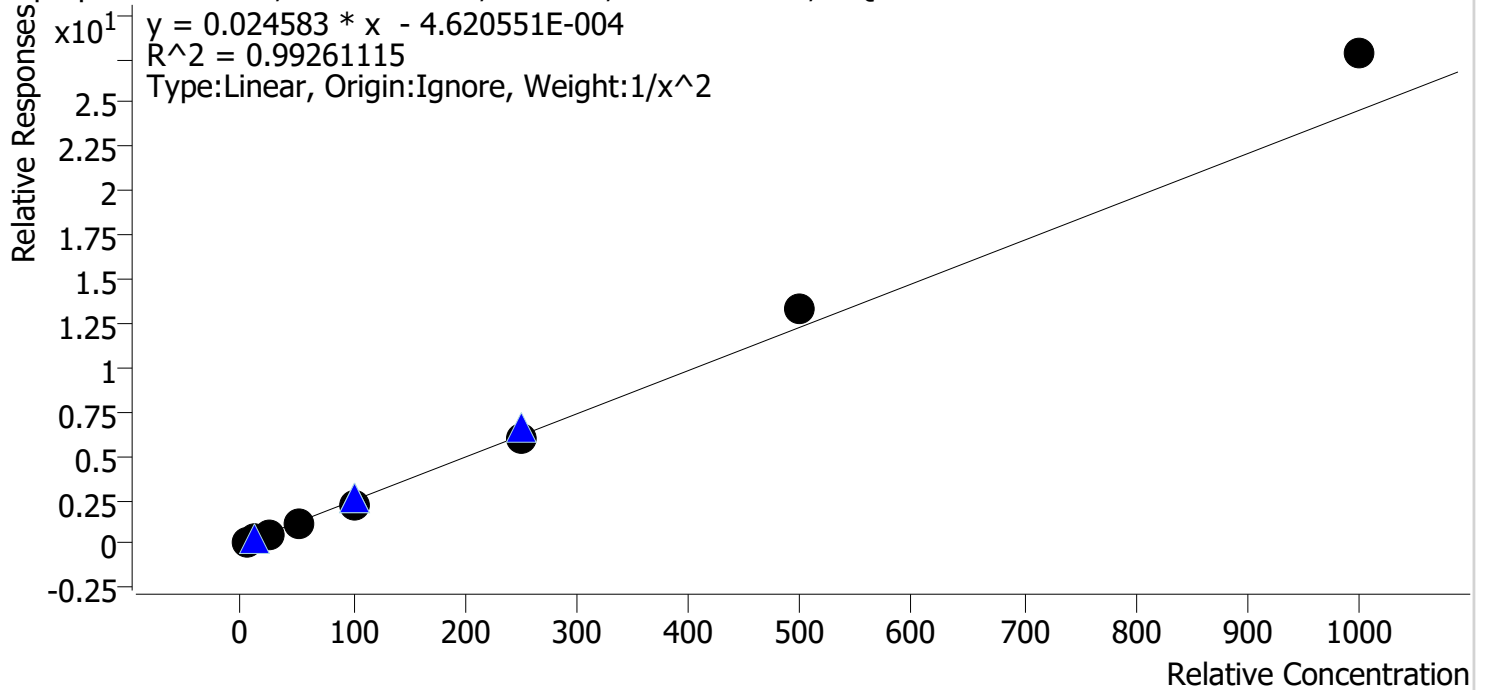
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	0.5	0.5	99.2
am 28 cal 2 mdq	2	✓	1.0	1.0	103.7
am 28 cal 3 mdq	3	✓	2.5	2.3	93.4
am 28 cal 4 mdq	4	✓	5.0	5.1	102.2
am 28 cal 5 mdq	5	✓	10.0	10.0	99.6
am28 cal 6 mdq	6	✓	25.0	24.6	98.3
am 28 cal 7 mdq	7	✓	50.0	53.3	106.6
am 28 cal 8 mdq	8	✓	100.0	96.9	96.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



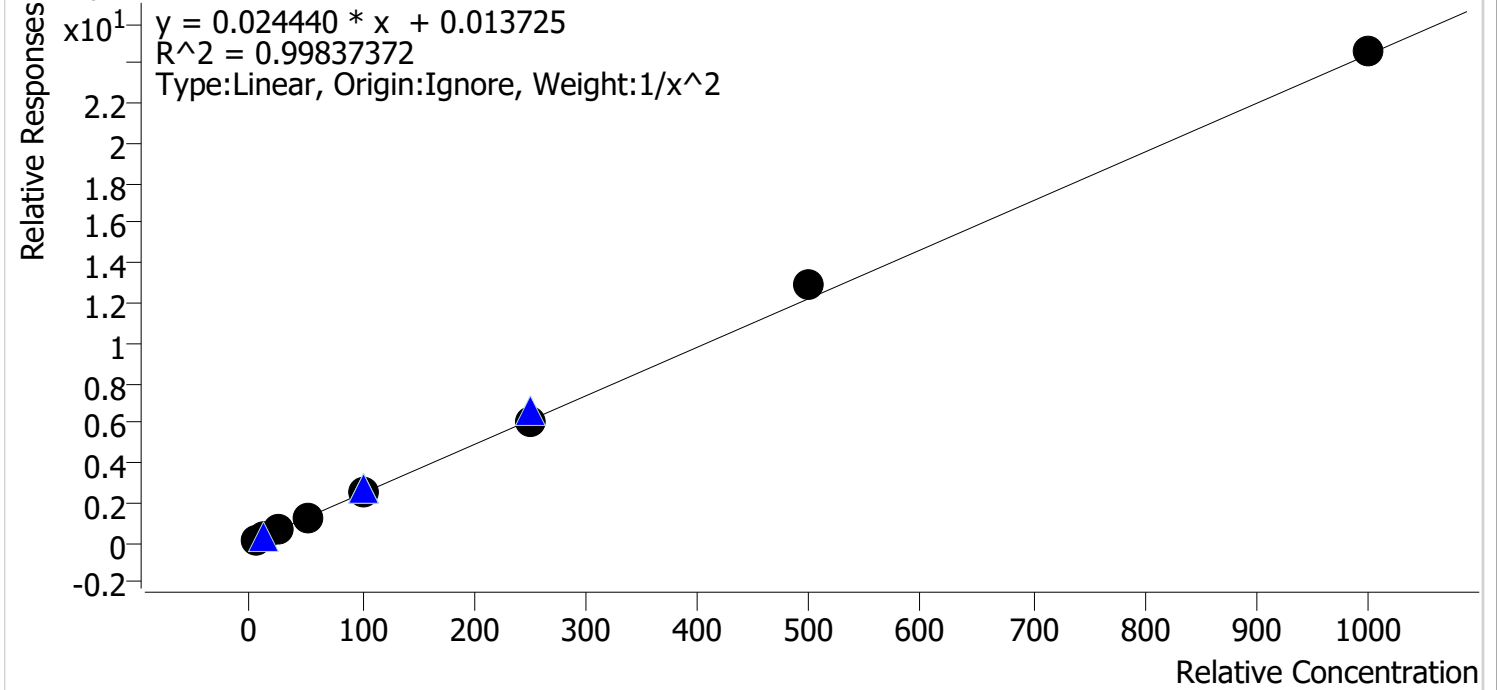
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.2	103.1
am 28 cal 2 mdq	2	✓	10.0	9.8	98.2
am 28 cal 3 mdq	3	✓	25.0	23.4	93.4
am 28 cal 4 mdq	4	✓	50.0	47.0	93.9
am 28 cal 5 mdq	5	✓	100.0	92.3	92.3
am28 cal 6 mdq	6	✓	250.0	245.0	98.0
am 28 cal 7 mdq	7	✓	500.0	540.1	108.0
am 28 cal 8 mdq	8	✓	1000.0	1130.8	113.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



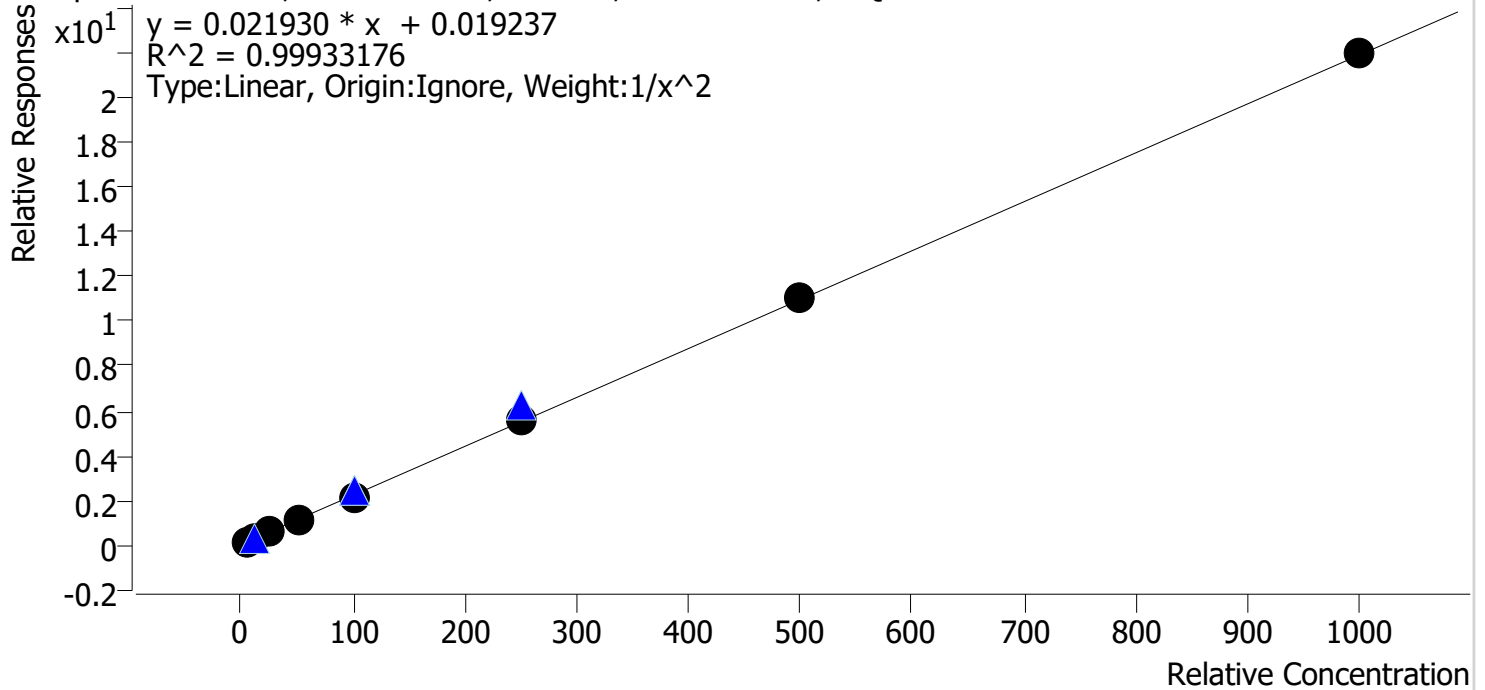
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.1
am 28 cal 2 mdq	2	✓	10.0	10.4	104.4
am 28 cal 3 mdq	3	✓	25.0	23.9	95.6
am 28 cal 4 mdq	4	✓	50.0	48.2	96.5
am 28 cal 5 mdq	5	✓	100.0	98.9	98.9
am28 cal 6 mdq	6	✓	250.0	248.2	99.3
am 28 cal 7 mdq	7	✓	500.0	528.3	105.7
am 28 cal 8 mdq	8	✓	1000.0	1006.3	100.6

Compound Calibration Report



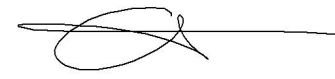
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



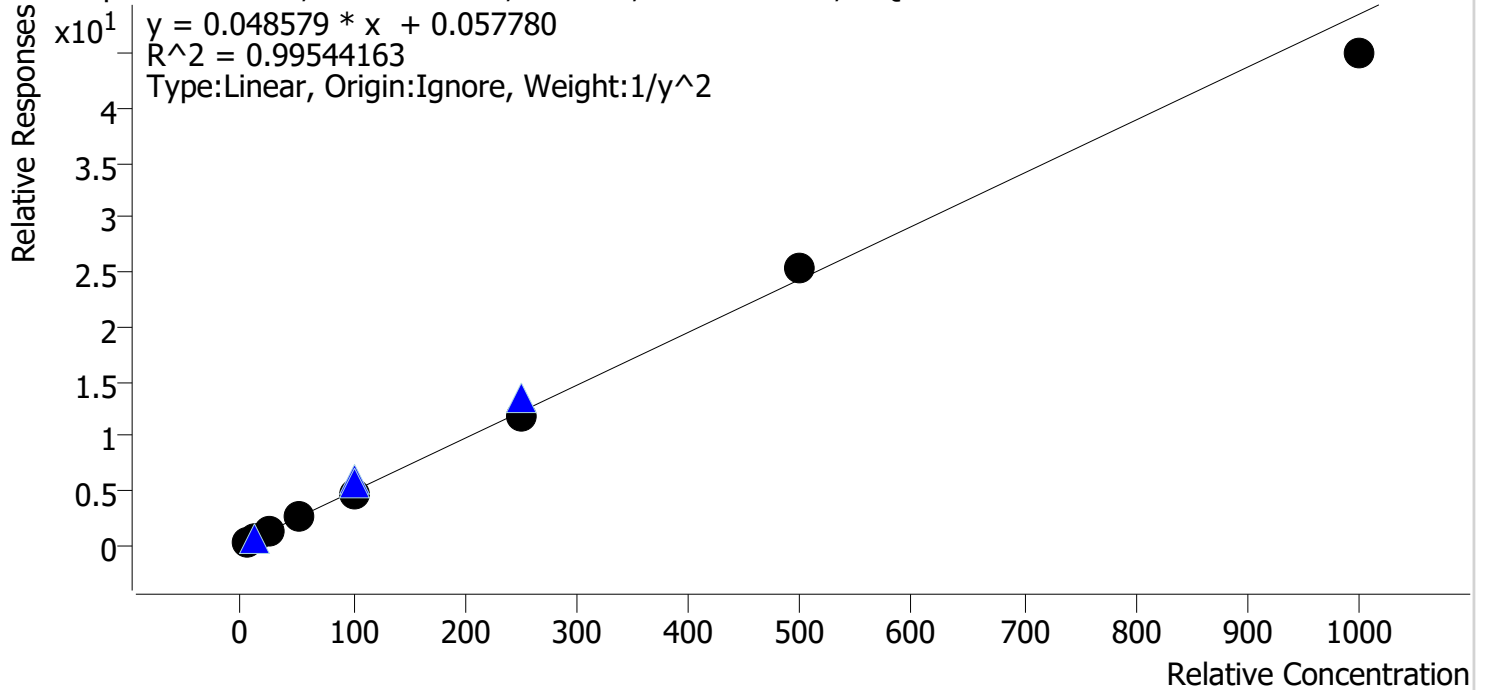
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.2
am 28 cal 2 mdq	2	✓	10.0	10.3	103.2
am 28 cal 3 mdq	3	✓	25.0	24.1	96.4
am 28 cal 4 mdq	4	✓	50.0	49.9	99.7
am 28 cal 5 mdq	5	✓	100.0	98.1	98.1
am28 cal 6 mdq	6	✓	250.0	256.8	102.7
am 28 cal 7 mdq	7	✓	500.0	501.5	100.3
am 28 cal 8 mdq	8	✓	1000.0	1003.1	100.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

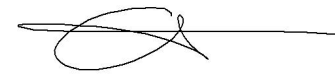
Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	97.1
am 28 cal 2 mdq	2	✓	10.0	10.0	100.2
am 28 cal 3 mdq	3	✓	25.0	27.2	108.9
am 28 cal 4 mdq	4	✓	50.0	54.5	108.9
am 28 cal 5 mdq	5	✓	100.0	97.6	97.6
am28 cal 6 mdq	6	✓	250.0	239.3	95.7
am 28 cal 7 mdq	7	✓	500.0	519.0	103.8
am 28 cal 8 mdq	8	✓	1000.0	925.7	92.6

evaluated qualitatively only due to accuracy of 100 ng control being out of range.

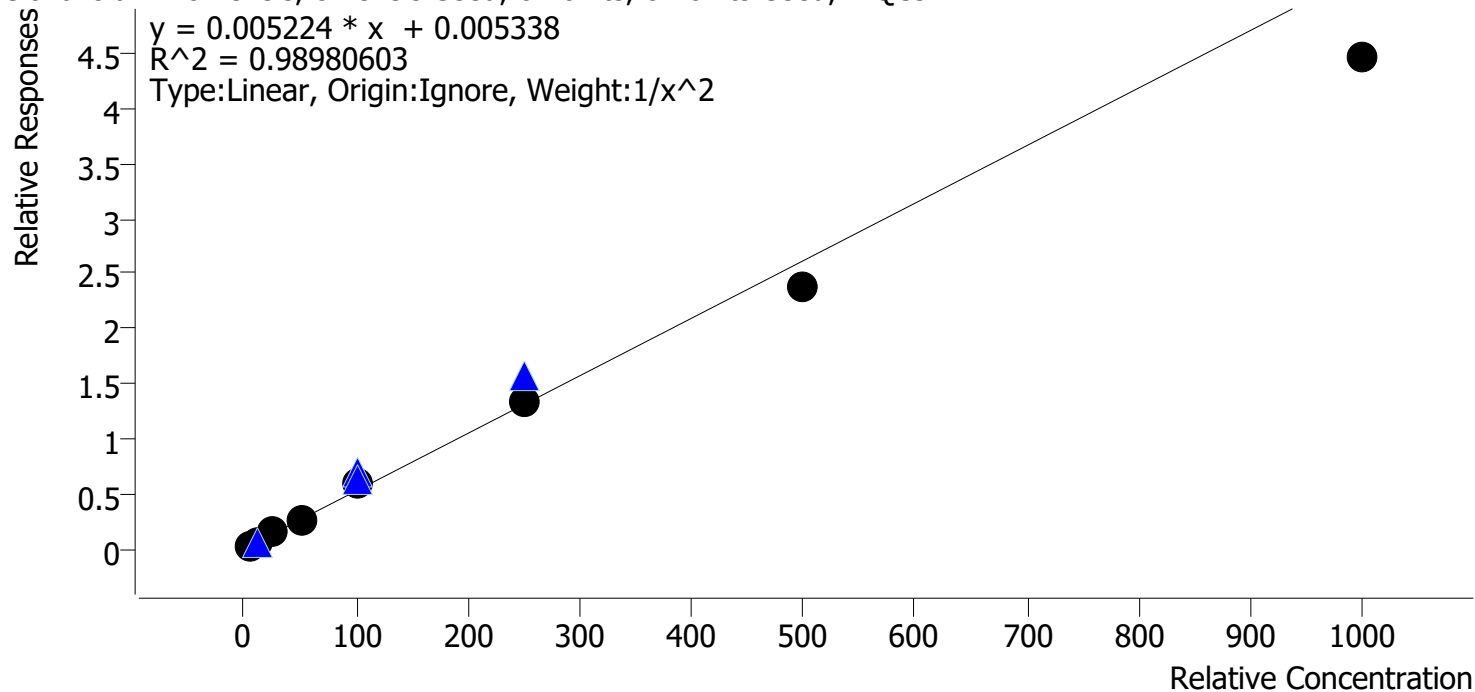
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Clonazolam

Internal Standard Alprazolam-D5

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

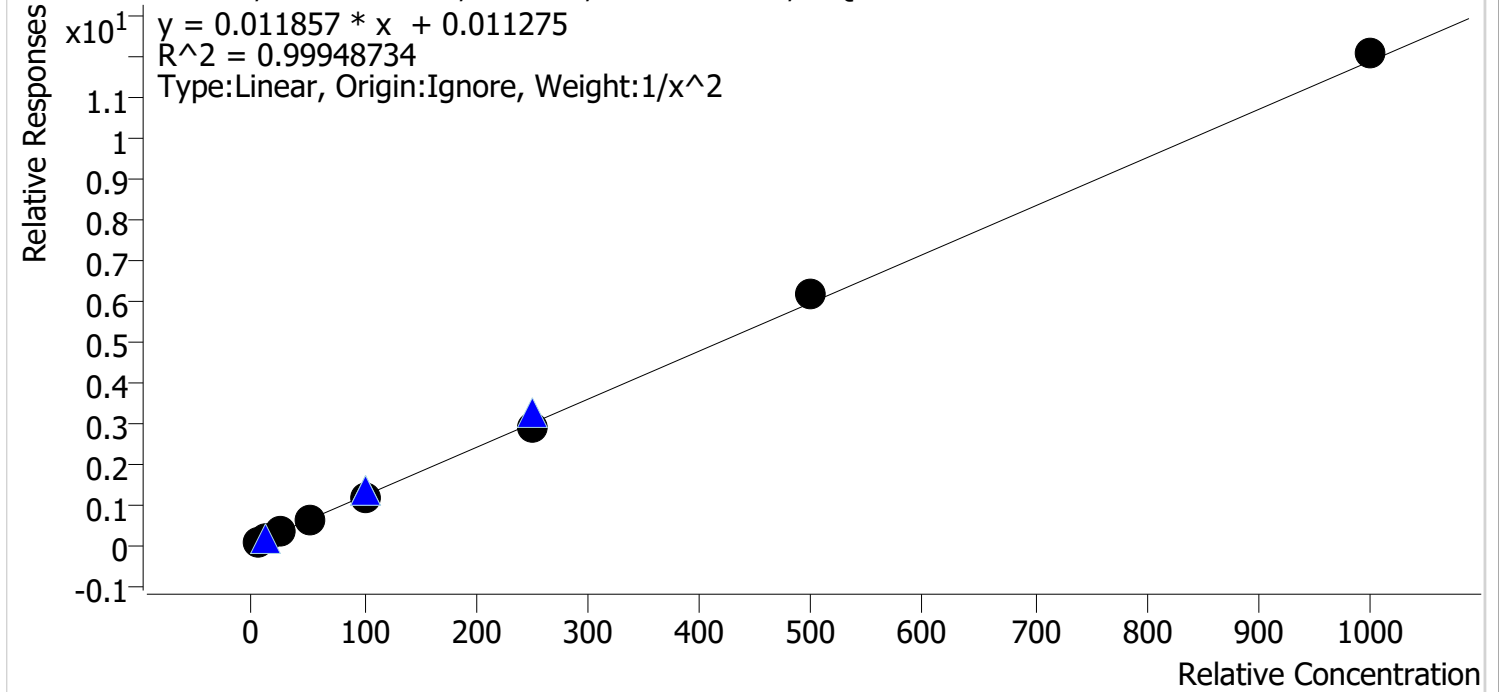


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	95.5
am 28 cal 2 mdq	2	✓	10.0	10.4	104.1
am 28 cal 3 mdq	3	✓	25.0	27.1	108.5
am 28 cal 4 mdq	4	✓	50.0	51.4	102.8
am 28 cal 5 mdq	5	✓	100.0	110.4	110.4
am28 cal 6 mdq	6	✓	250.0	257.3	102.9
am 28 cal 7 mdq	7	✓	500.0	452.1	90.4
am 28 cal 8 mdq	8	✓	1000.0	852.9	85.3

Compound Calibration Report

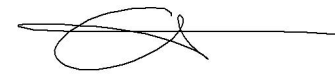
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



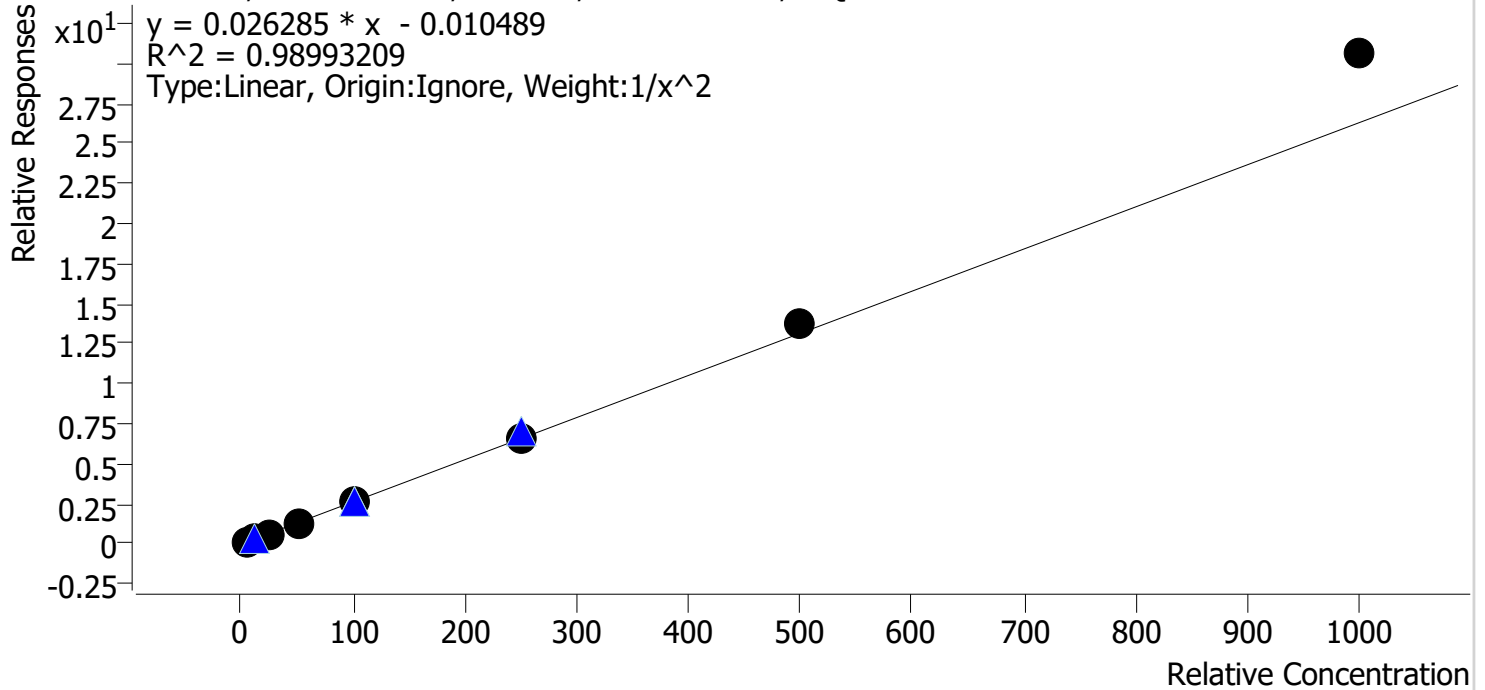
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.2
am 28 cal 2 mdq	2	✓	10.0	10.1	100.7
am 28 cal 3 mdq	3	✓	25.0	24.5	97.8
am 28 cal 4 mdq	4	✓	50.0	49.4	98.7
am 28 cal 5 mdq	5	✓	100.0	99.5	99.5
am28 cal 6 mdq	6	✓	250.0	244.5	97.8
am 28 cal 7 mdq	7	✓	500.0	517.8	103.6
am 28 cal 8 mdq	8	✓	1000.0	1015.8	101.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



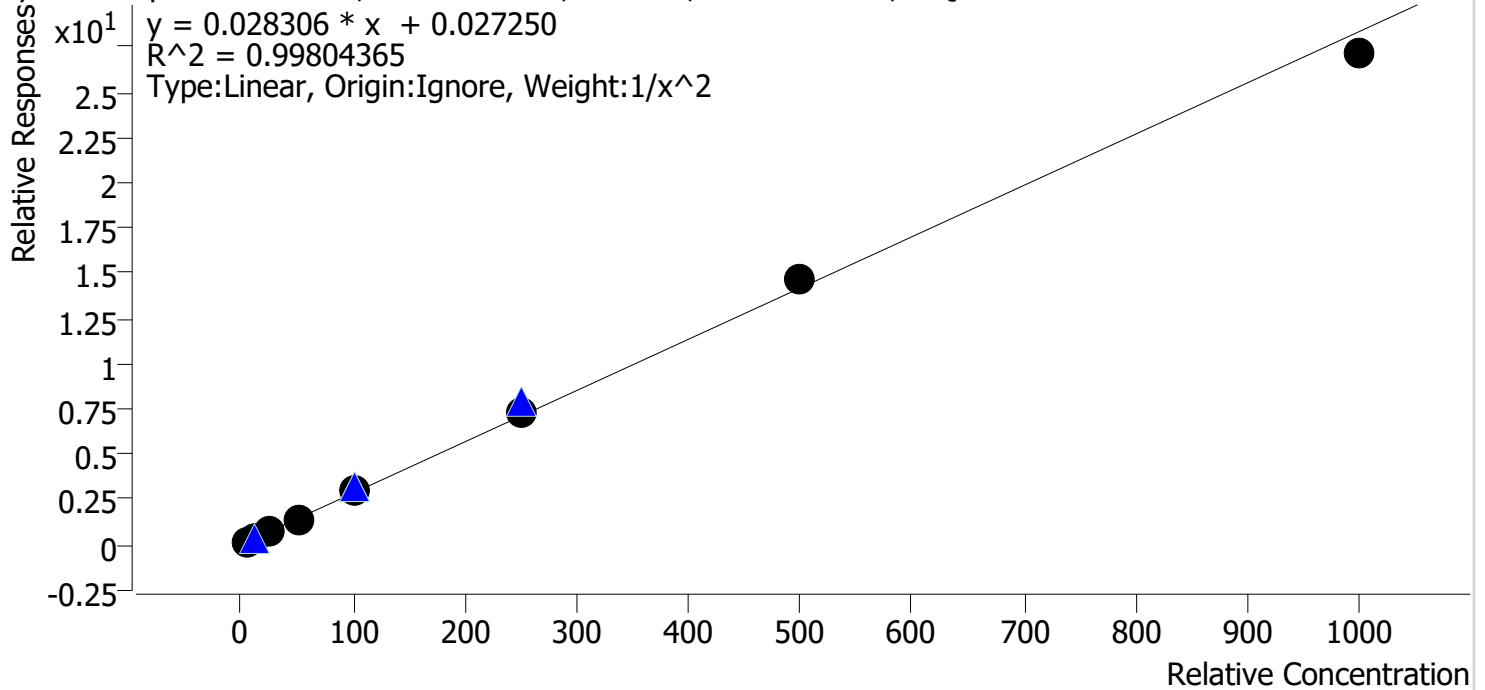
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.2	104.7
am 28 cal 2 mdq	2	✓	10.0	9.7	96.7
am 28 cal 3 mdq	3	✓	25.0	22.3	89.1
am 28 cal 4 mdq	4	✓	50.0	45.5	91.0
am 28 cal 5 mdq	5	✓	100.0	97.5	97.5
am28 cal 6 mdq	6	✓	250.0	248.3	99.3
am 28 cal 7 mdq	7	✓	500.0	526.2	105.2
am 28 cal 8 mdq	8	✓	1000.0	1164.0	116.4

Compound Calibration Report



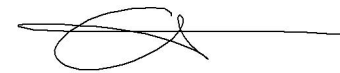
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



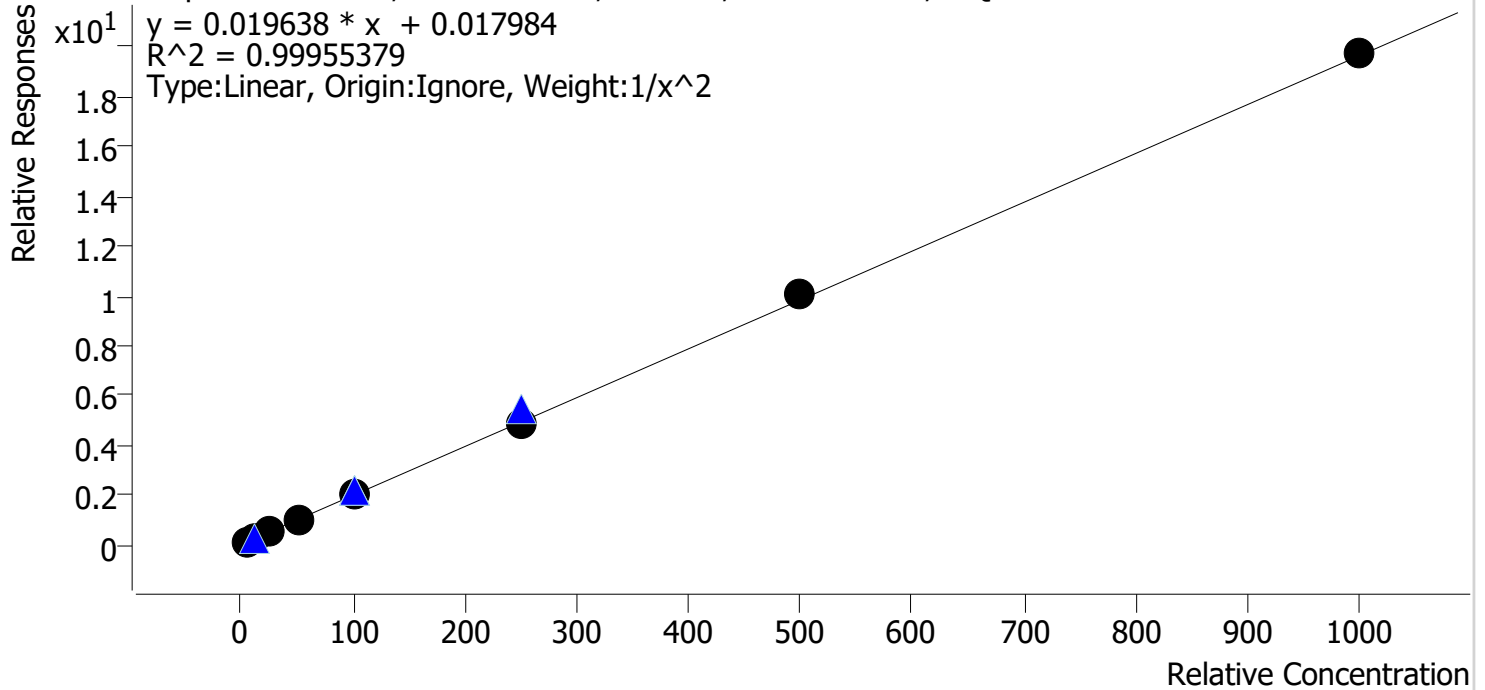
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.6
am 28 cal 2 mdq	2	✓	10.0	9.6	96.0
am 28 cal 3 mdq	3	✓	25.0	23.7	94.7
am 28 cal 4 mdq	4	✓	50.0	50.8	101.6
am 28 cal 5 mdq	5	✓	100.0	104.1	104.1
am28 cal 6 mdq	6	✓	250.0	256.3	102.5
am 28 cal 7 mdq	7	✓	500.0	513.8	102.8
am 28 cal 8 mdq	8	✓	1000.0	957.1	95.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



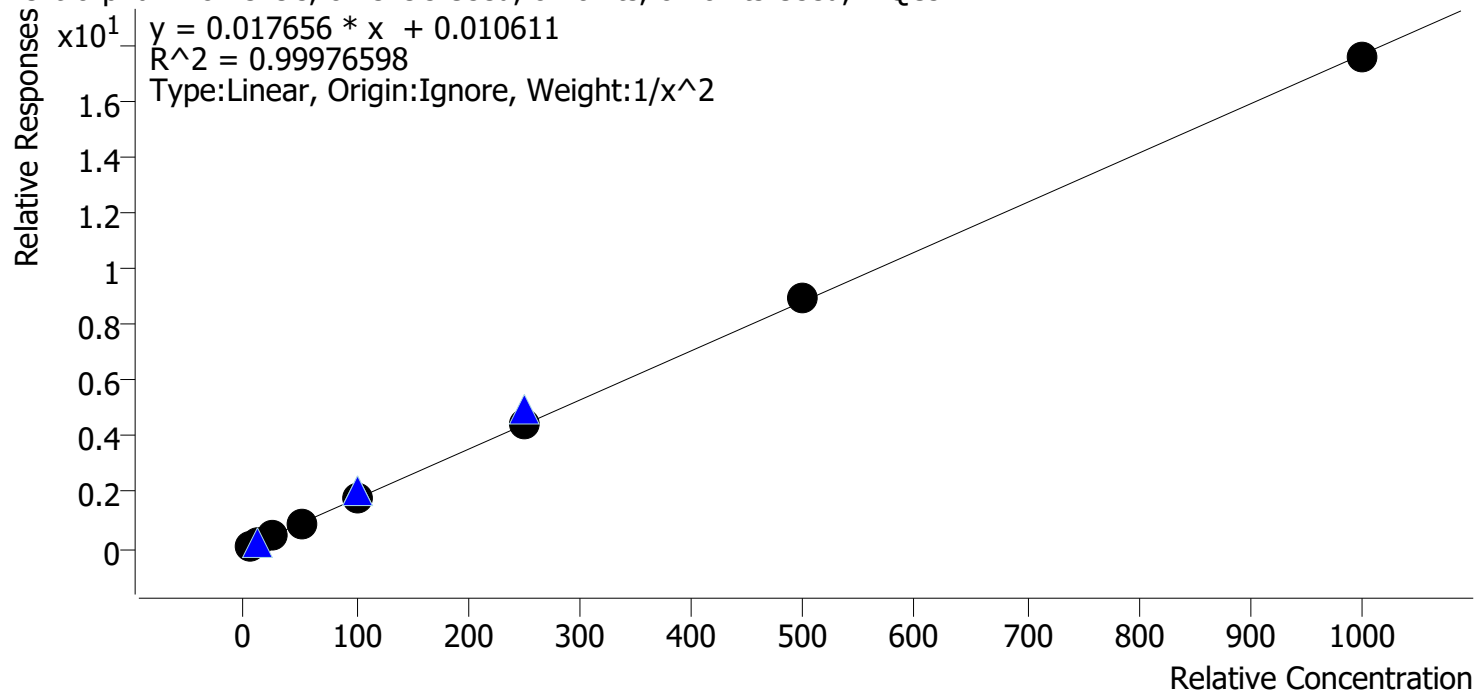
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.5
am 28 cal 2 mdq	2	✓	10.0	10.0	100.3
am 28 cal 3 mdq	3	✓	25.0	24.2	96.8
am 28 cal 4 mdq	4	✓	50.0	49.8	99.5
am 28 cal 5 mdq	5	✓	100.0	101.5	101.5
am28 cal 6 mdq	6	✓	250.0	245.7	98.3
am 28 cal 7 mdq	7	✓	500.0	513.2	102.6
am 28 cal 8 mdq	8	✓	1000.0	1004.6	100.5

Compound Calibration Report



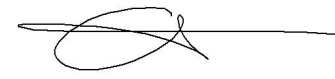
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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

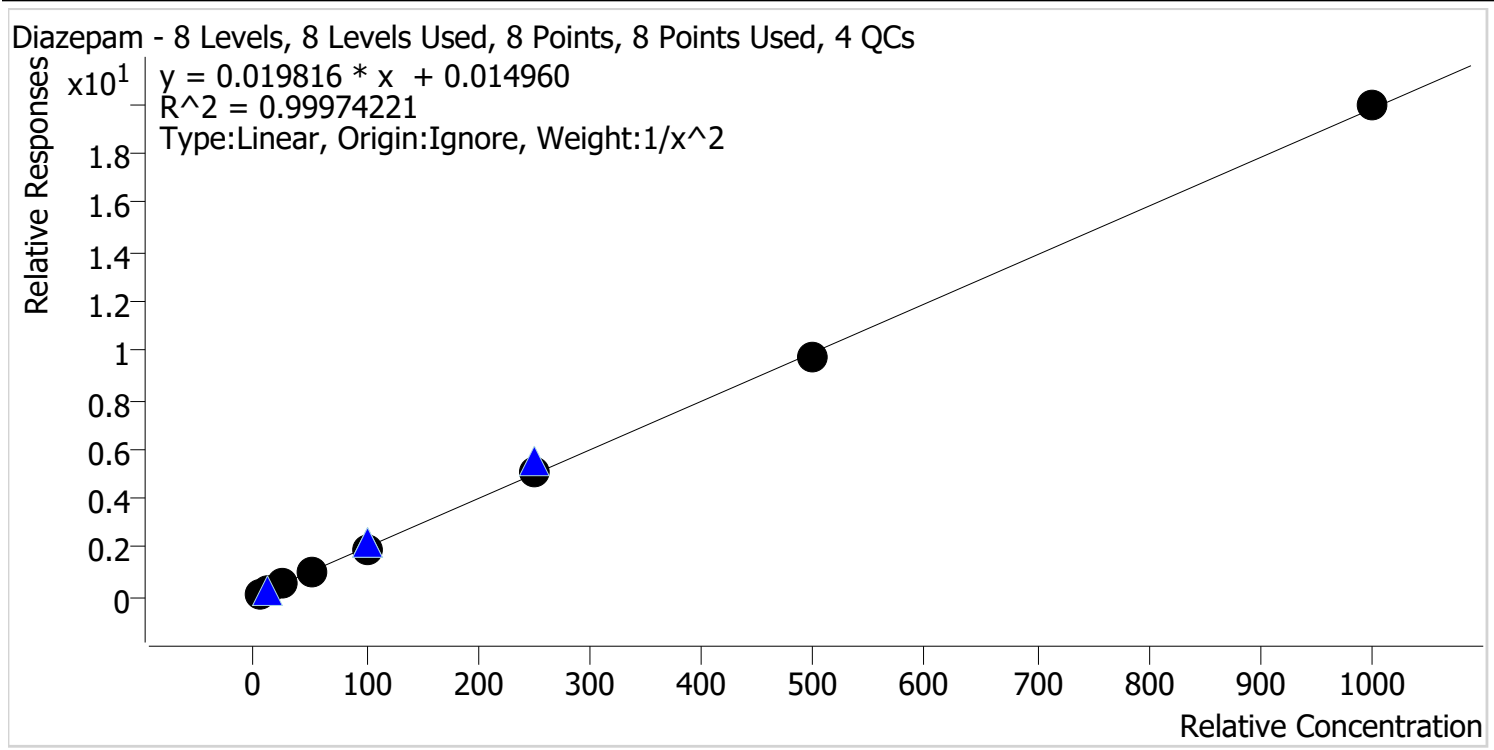


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.4
am 28 cal 2 mdq	2	✓	10.0	10.2	102.0
am 28 cal 3 mdq	3	✓	25.0	24.6	98.5
am 28 cal 4 mdq	4	✓	50.0	49.6	99.1
am 28 cal 5 mdq	5	✓	100.0	99.0	99.0
am28 cal 6 mdq	6	✓	250.0	252.6	101.1
am 28 cal 7 mdq	7	✓	500.0	507.8	101.6
am 28 cal 8 mdq	8	✓	1000.0	993.7	99.4

Compound Calibration Report

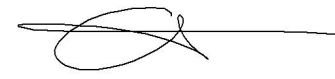


Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



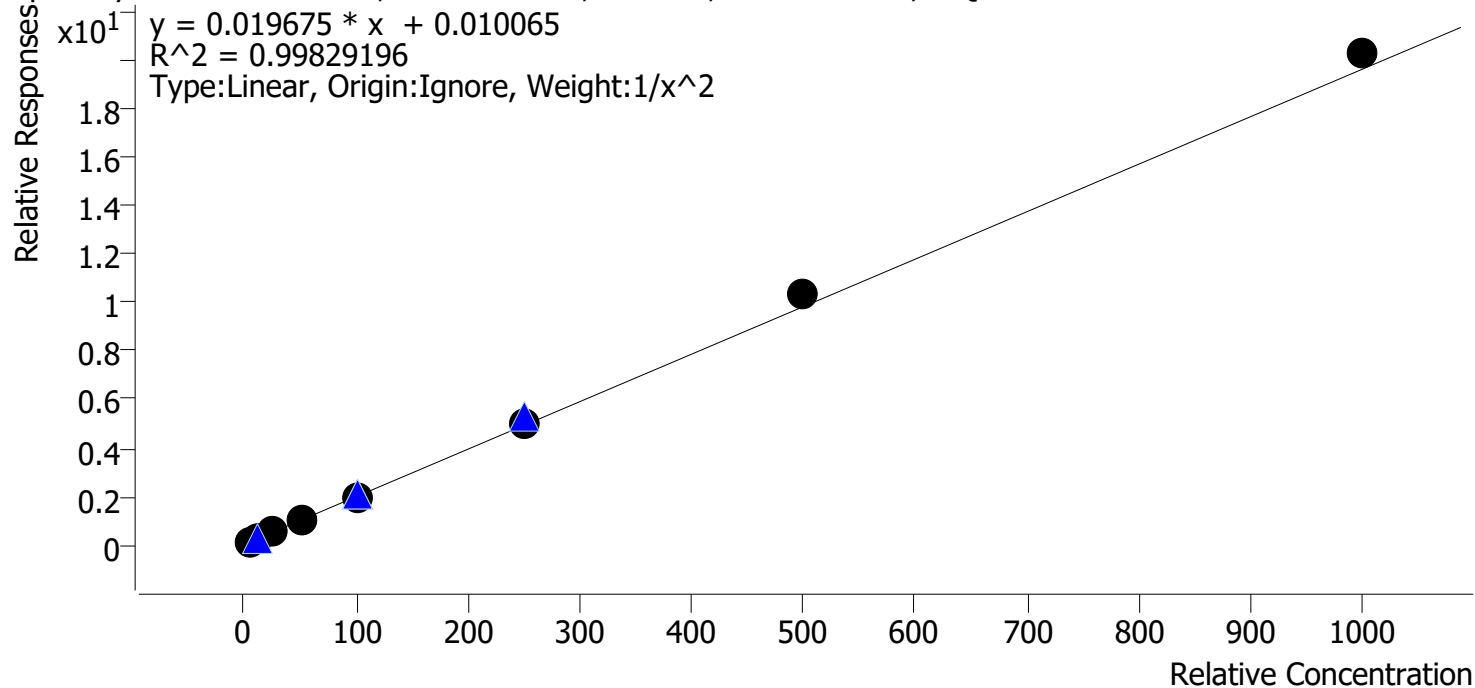
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.8
am 28 cal 2 mdq	2	✓	10.0	10.1	100.7
am 28 cal 3 mdq	3	✓	25.0	24.7	98.6
am 28 cal 4 mdq	4	✓	50.0	50.9	101.7
am 28 cal 5 mdq	5	✓	100.0	98.6	98.6
am28 cal 6 mdq	6	✓	250.0	254.1	101.6
am 28 cal 7 mdq	7	✓	500.0	491.3	98.3
am 28 cal 8 mdq	8	✓	1000.0	1006.5	100.7

Compound Calibration Report



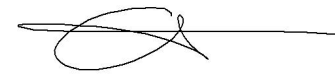
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



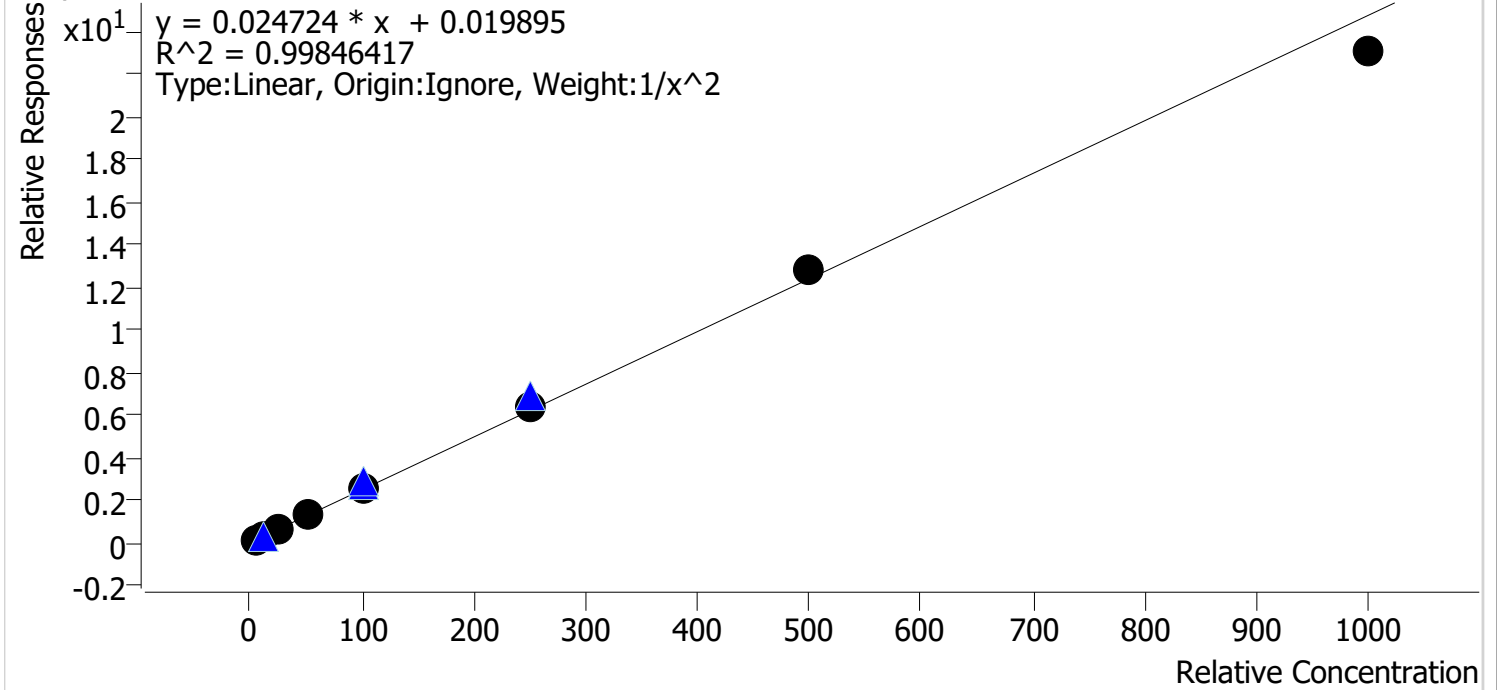
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.1
am 28 cal 2 mdq	2	✓	10.0	9.9	98.9
am 28 cal 3 mdq	3	✓	25.0	23.4	93.8
am 28 cal 4 mdq	4	✓	50.0	48.5	97.0
am 28 cal 5 mdq	5	✓	100.0	98.6	98.6
am28 cal 6 mdq	6	✓	250.0	254.2	101.7
am 28 cal 7 mdq	7	✓	500.0	523.2	104.6
am 28 cal 8 mdq	8	✓	1000.0	1033.0	103.3

Compound Calibration Report



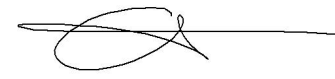
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



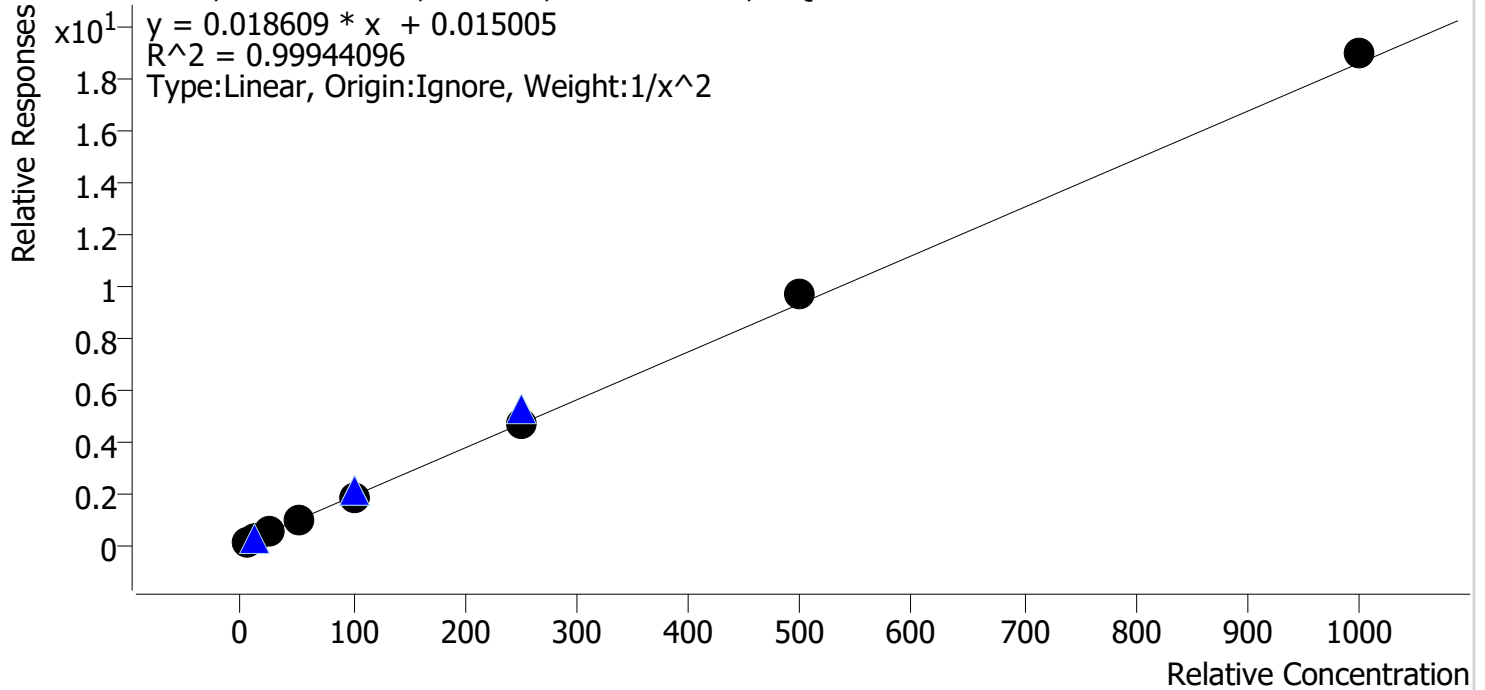
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.5
am 28 cal 2 mdq	2	✓	10.0	10.2	101.8
am 28 cal 3 mdq	3	✓	25.0	24.3	97.0
am 28 cal 4 mdq	4	✓	50.0	50.5	100.9
am 28 cal 5 mdq	5	✓	100.0	101.6	101.6
am28 cal 6 mdq	6	✓	250.0	257.6	103.0
am 28 cal 7 mdq	7	✓	500.0	515.0	103.0
am 28 cal 8 mdq	8	✓	1000.0	931.3	93.1

Compound Calibration Report



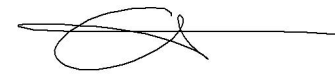
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



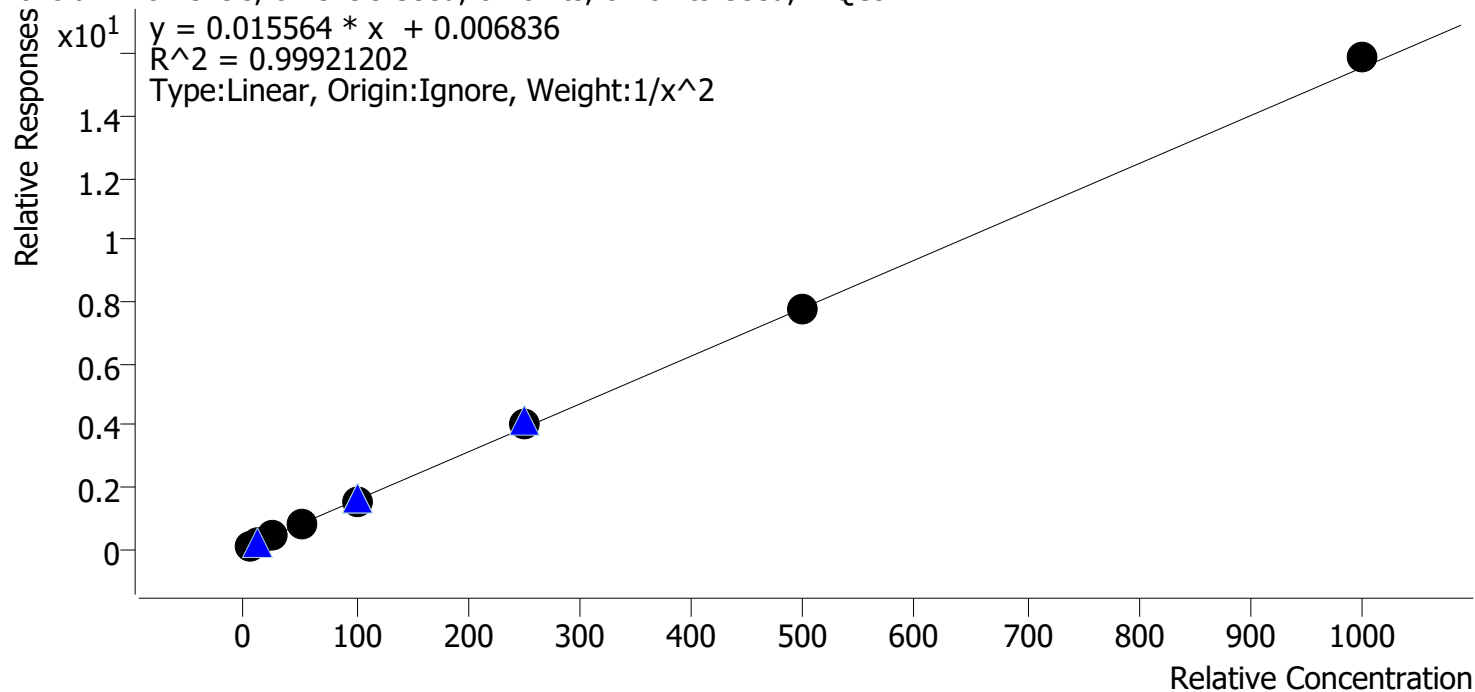
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.5
am 28 cal 2 mdq	2	✓	10.0	10.0	99.9
am 28 cal 3 mdq	3	✓	25.0	24.6	98.6
am 28 cal 4 mdq	4	✓	50.0	49.9	99.8
am 28 cal 5 mdq	5	✓	100.0	96.9	96.9
am28 cal 6 mdq	6	✓	250.0	247.1	98.9
am 28 cal 7 mdq	7	✓	500.0	517.5	103.5
am 28 cal 8 mdq	8	✓	1000.0	1020.0	102.0

Compound Calibration Report



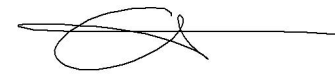
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Alprazolam-D5

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

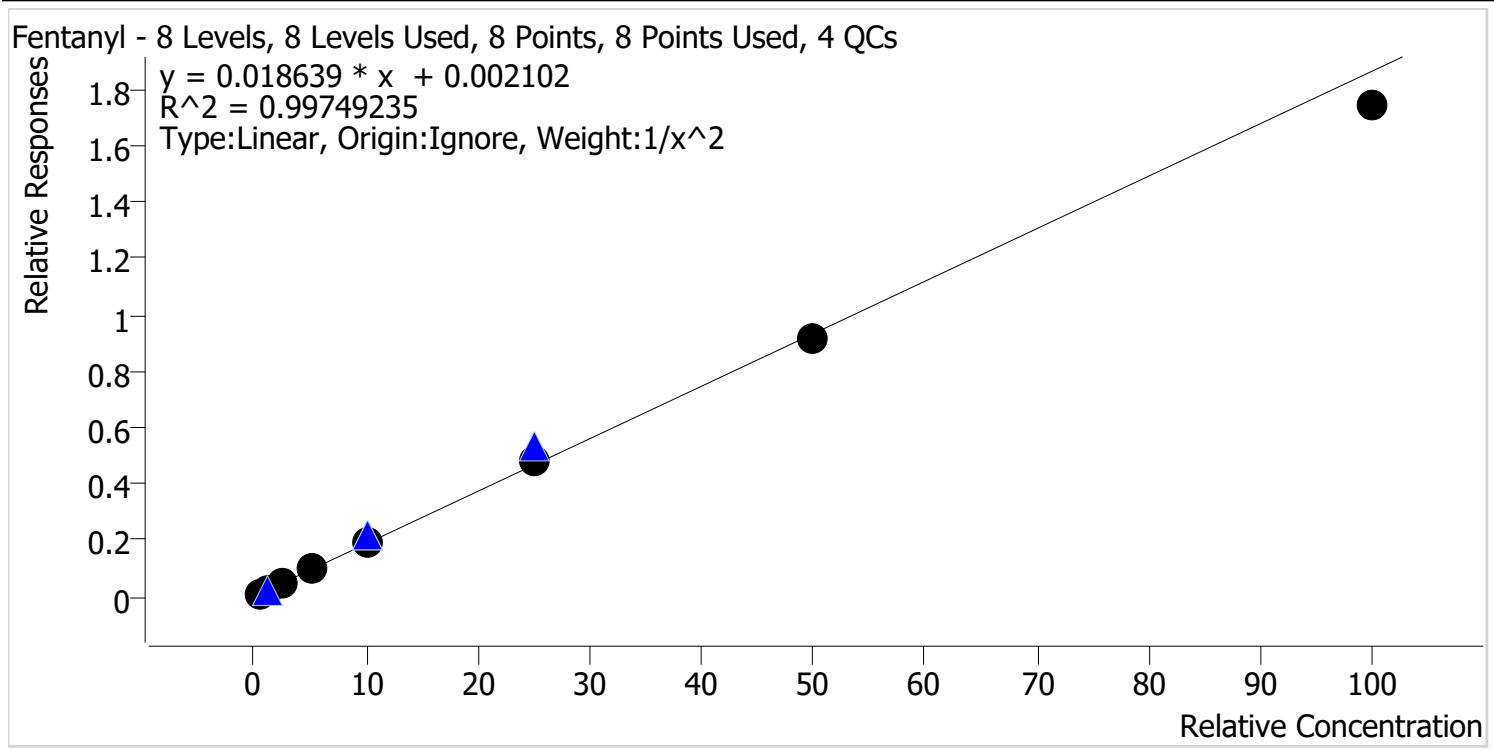


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.1
am 28 cal 2 mdq	2	✓	10.0	9.6	95.9
am 28 cal 3 mdq	3	✓	25.0	25.2	100.9
am 28 cal 4 mdq	4	✓	50.0	49.5	99.0
am 28 cal 5 mdq	5	✓	100.0	97.6	97.6
am28 cal 6 mdq	6	✓	250.0	257.2	102.9
am 28 cal 7 mdq	7	✓	500.0	498.3	99.7
am 28 cal 8 mdq	8	✓	1000.0	1021.0	102.1

Compound Calibration Report

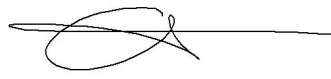


Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



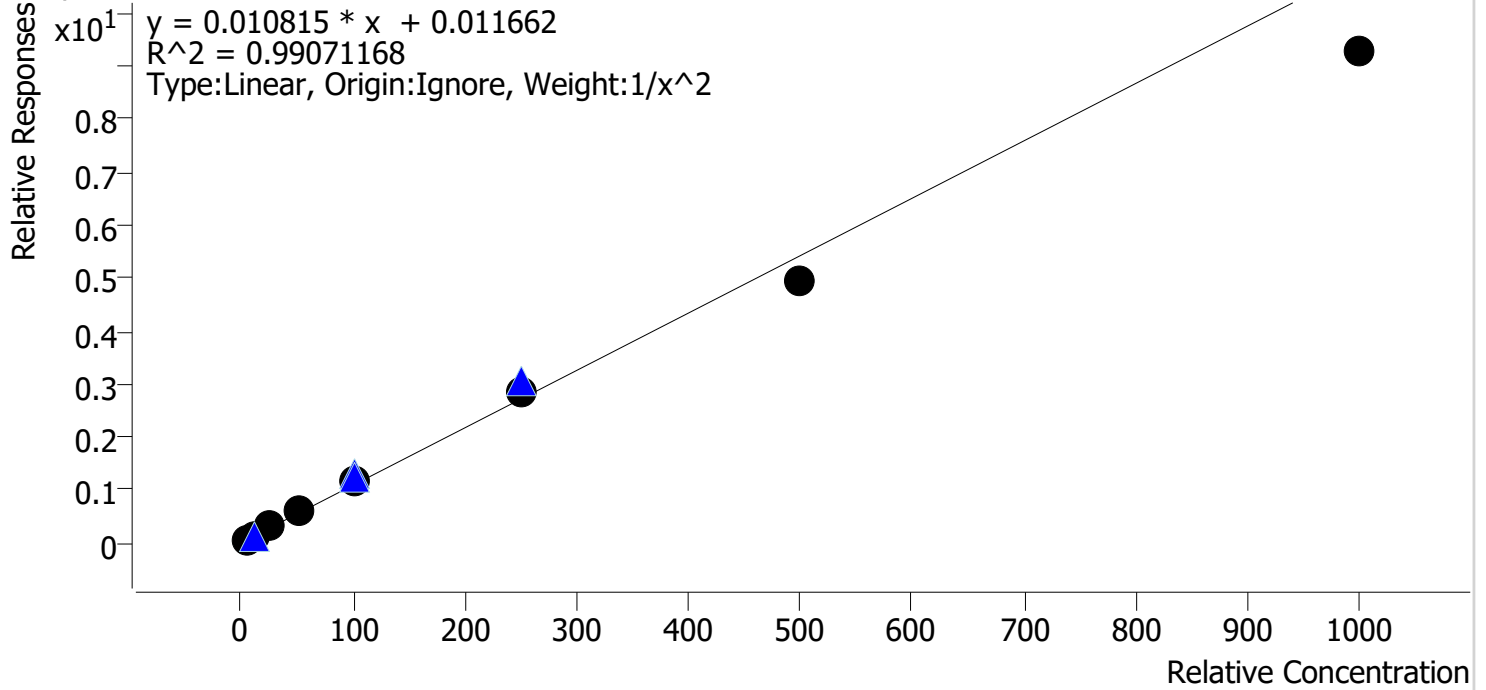
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	0.5	0.5	97.1
am 28 cal 2 mdq	2	✓	1.0	1.1	106.4
am 28 cal 3 mdq	3	✓	2.5	2.4	96.3
am 28 cal 4 mdq	4	✓	5.0	5.2	103.4
am 28 cal 5 mdq	5	✓	10.0	10.1	101.2
am28 cal 6 mdq	6	✓	25.0	25.9	103.5
am 28 cal 7 mdq	7	✓	50.0	49.3	98.6
am 28 cal 8 mdq	8	✓	100.0	93.4	93.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

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



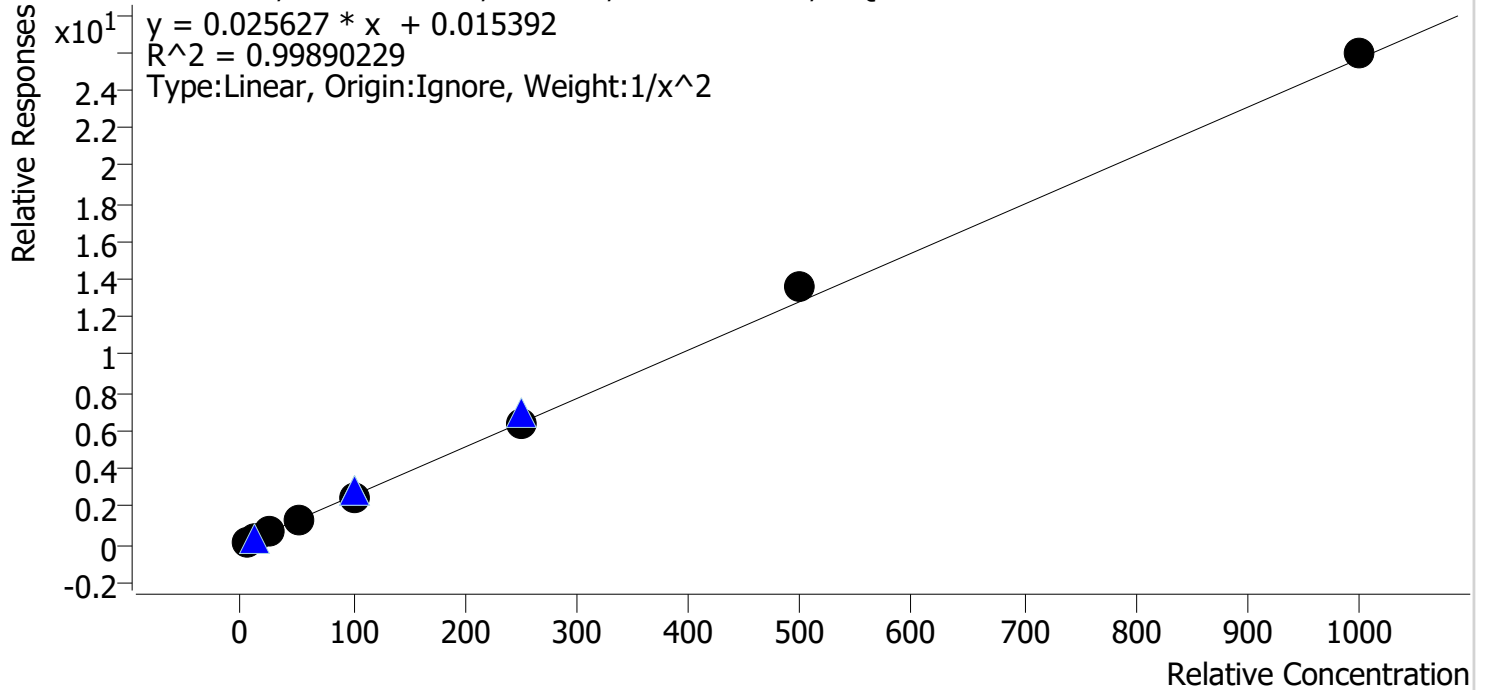
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	97.7
am 28 cal 2 mdq	2	✓	10.0	9.9	98.6
am 28 cal 3 mdq	3	✓	25.0	27.6	110.4
am 28 cal 4 mdq	4	✓	50.0	53.8	107.6
am 28 cal 5 mdq	5	✓	100.0	105.1	105.1
am28 cal 6 mdq	6	✓	250.0	259.1	103.6
am 28 cal 7 mdq	7	✓	500.0	457.1	91.4
am 28 cal 8 mdq	8	✓	1000.0	855.6	85.6

Compound Calibration Report



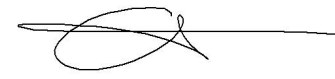
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



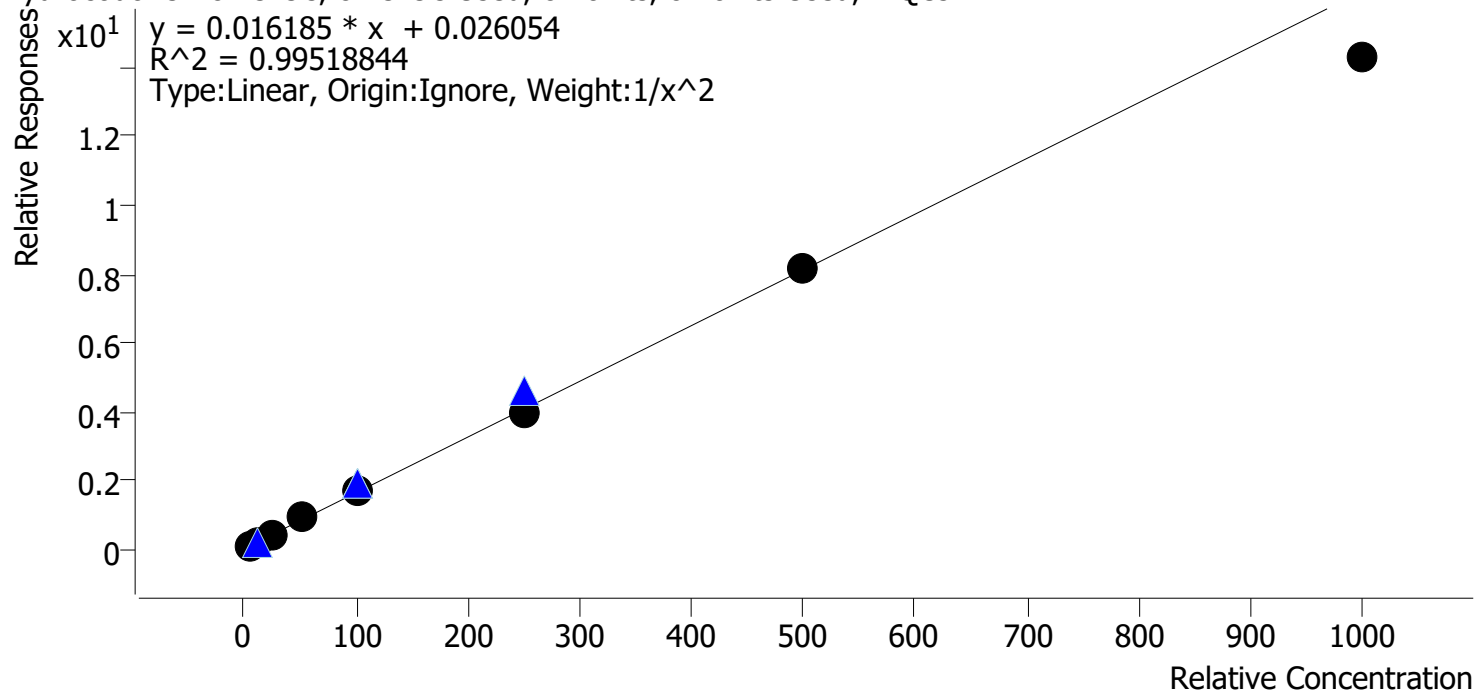
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.8
am 28 cal 2 mdq	2	✓	10.0	10.0	100.5
am 28 cal 3 mdq	3	✓	25.0	23.9	95.8
am 28 cal 4 mdq	4	✓	50.0	49.4	98.8
am 28 cal 5 mdq	5	✓	100.0	97.6	97.6
am28 cal 6 mdq	6	✓	250.0	249.8	99.9
am 28 cal 7 mdq	7	✓	500.0	527.9	105.6
am 28 cal 8 mdq	8	✓	1000.0	1010.7	101.1

Compound Calibration Report



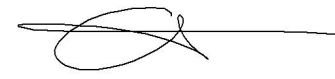
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



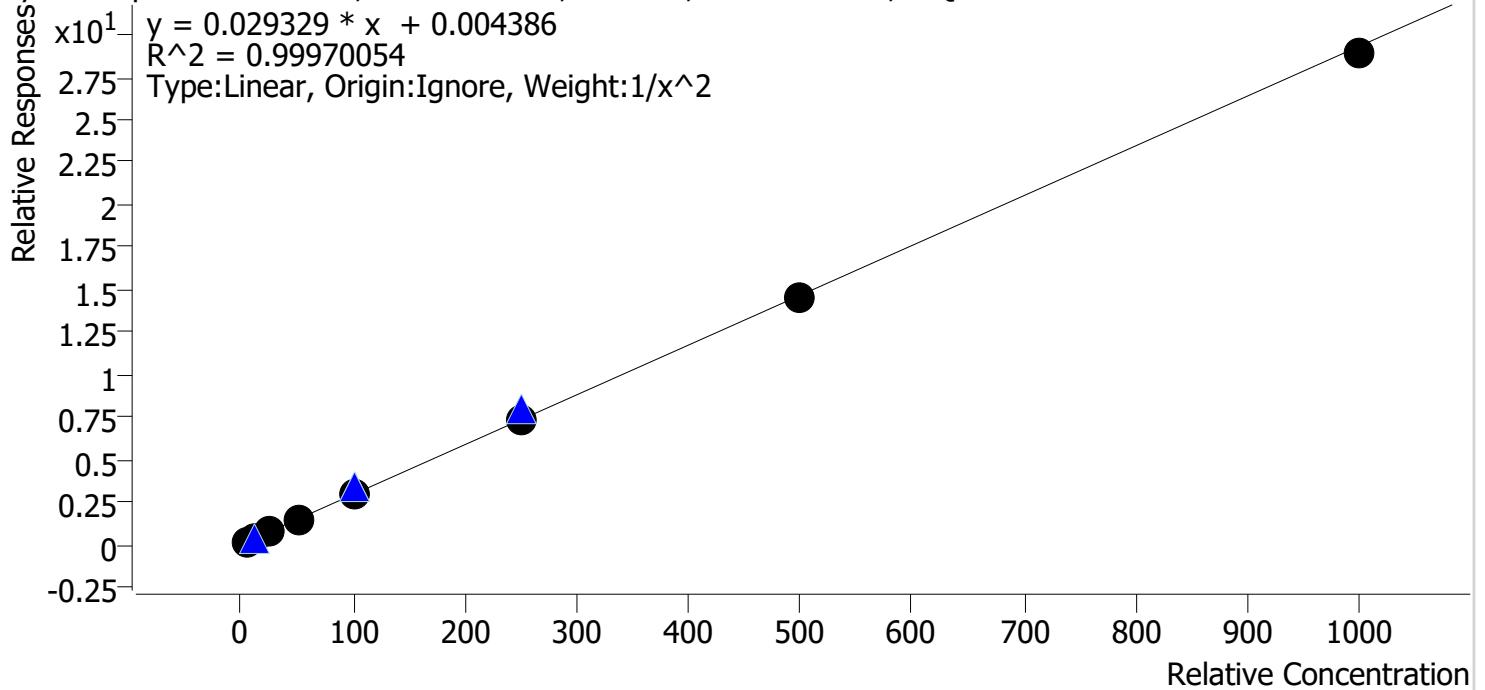
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	96.5
am 28 cal 2 mdq	2	✓	10.0	10.5	104.8
am 28 cal 3 mdq	3	✓	25.0	25.3	101.2
am 28 cal 4 mdq	4	✓	50.0	54.1	108.2
am 28 cal 5 mdq	5	✓	100.0	102.8	102.8
am28 cal 6 mdq	6	✓	250.0	246.1	98.4
am 28 cal 7 mdq	7	✓	500.0	500.3	100.1
am 28 cal 8 mdq	8	✓	1000.0	881.1	88.1

Compound Calibration Report



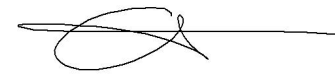
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



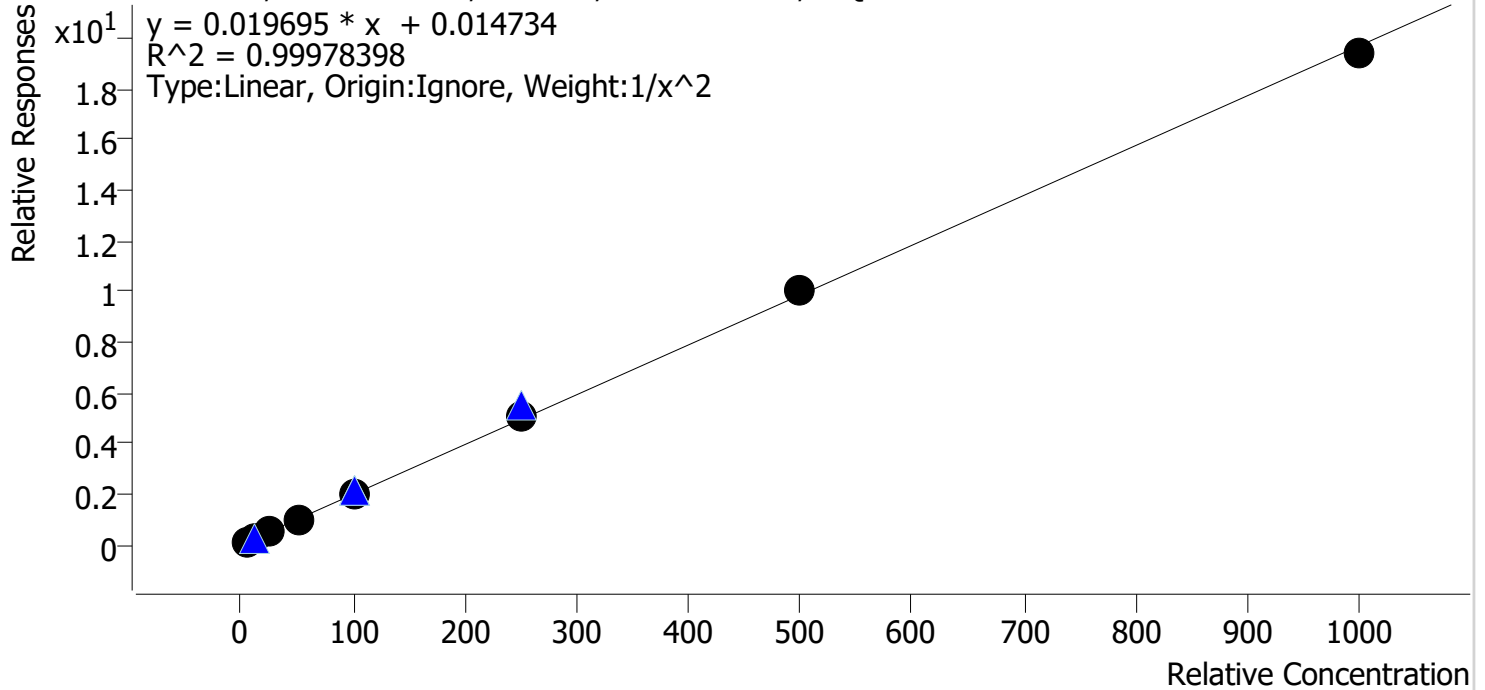
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.6
am 28 cal 2 mdq	2	✓	10.0	9.8	98.5
am 28 cal 3 mdq	3	✓	25.0	25.0	100.1
am 28 cal 4 mdq	4	✓	50.0	50.2	100.4
am 28 cal 5 mdq	5	✓	100.0	103.2	103.2
am28 cal 6 mdq	6	✓	250.0	247.7	99.1
am 28 cal 7 mdq	7	✓	500.0	498.6	99.7
am 28 cal 8 mdq	8	✓	1000.0	985.3	98.5

Compound Calibration Report



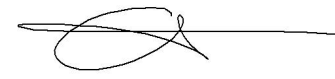
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.6
am 28 cal 2 mdq	2	✓	10.0	10.1	101.4
am 28 cal 3 mdq	3	✓	25.0	24.6	98.3
am 28 cal 4 mdq	4	✓	50.0	50.1	100.1
am 28 cal 5 mdq	5	✓	100.0	99.3	99.3
am28 cal 6 mdq	6	✓	250.0	253.3	101.3
am 28 cal 7 mdq	7	✓	500.0	507.1	101.4
am 28 cal 8 mdq	8	✓	1000.0	984.6	98.5

Compound Calibration Report

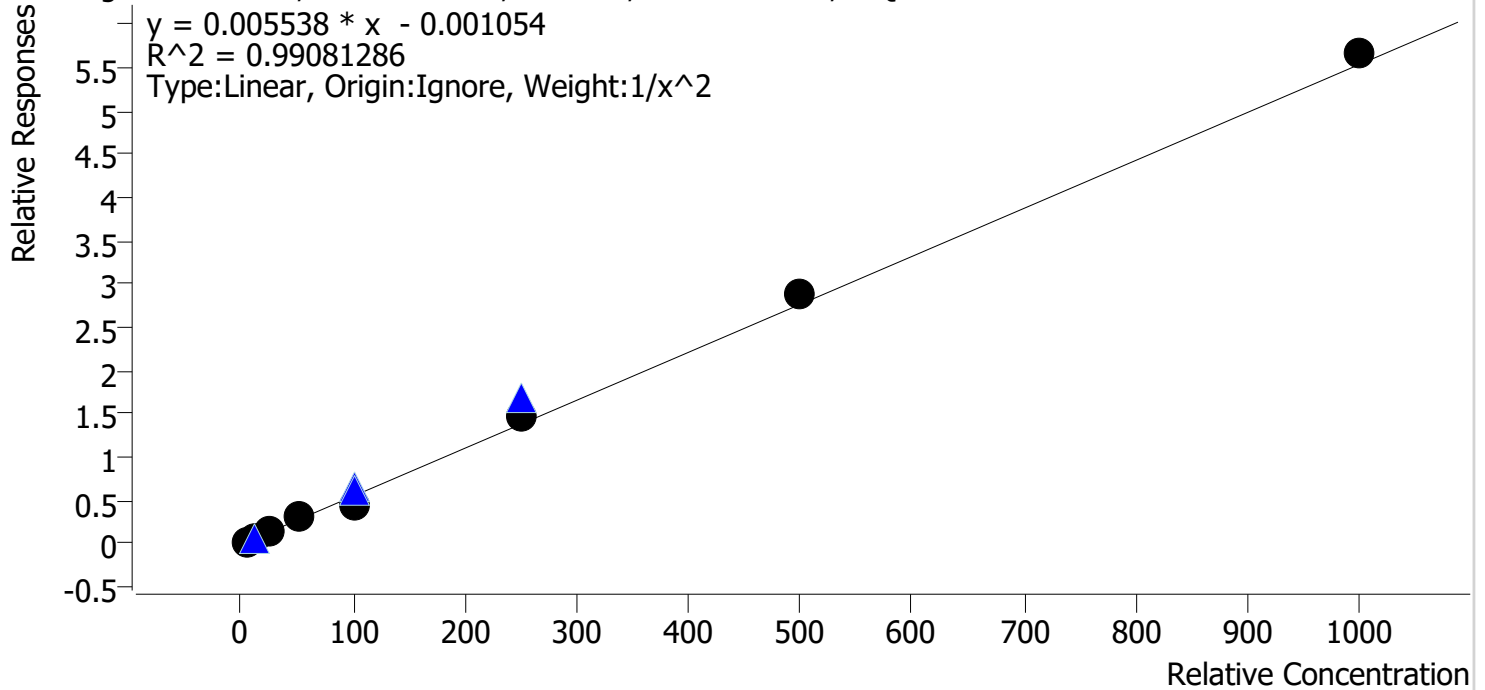


Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Lamotrigine

Internal Standard

Temazepam-D5

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

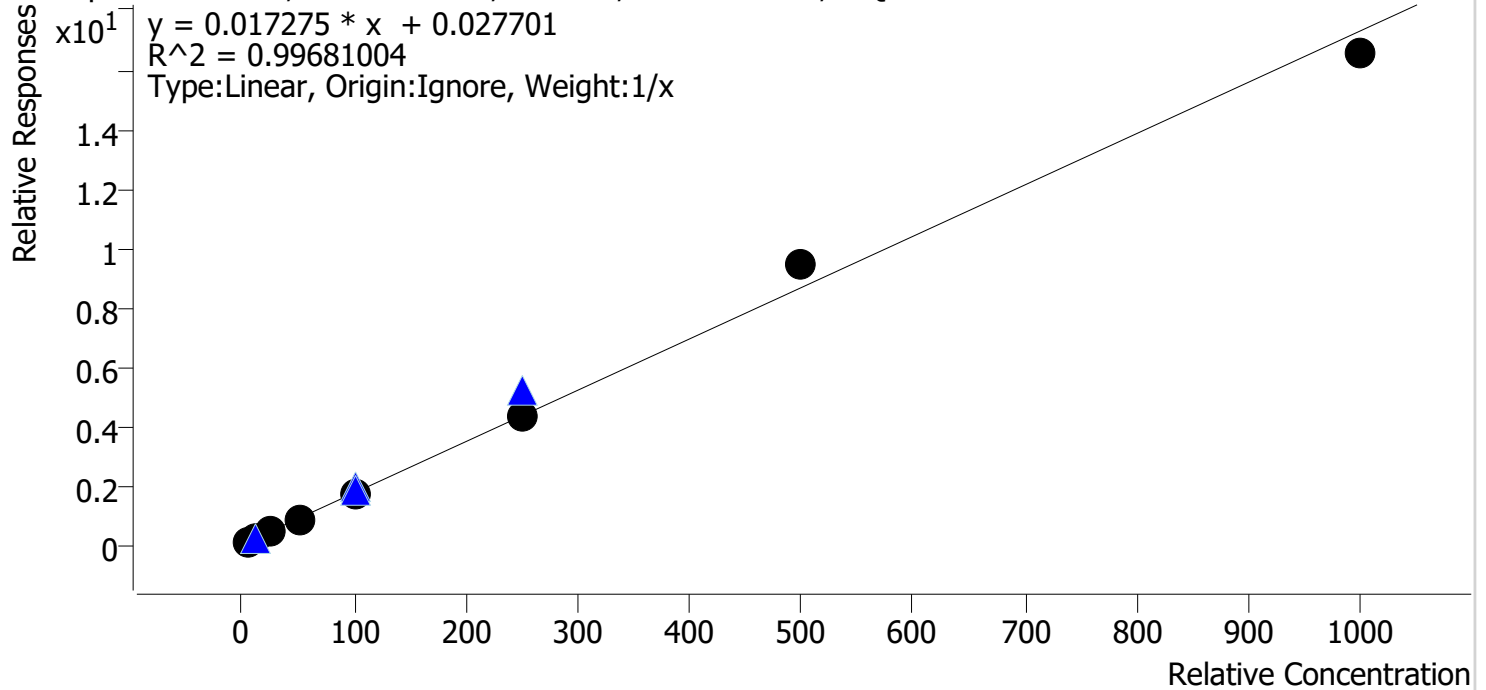


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	101.0
am 28 cal 2 mdq	2	✓	10.0	9.9	98.8
am 28 cal 3 mdq	3	✓	25.0	24.4	97.7
am 28 cal 4 mdq	4	✓	50.0	54.3	108.7
am 28 cal 5 mdq	5	✓	100.0	81.4	81.4
am28 cal 6 mdq	6	✓	250.0	266.5	106.6
am 28 cal 7 mdq	7	✓	500.0	518.1	103.6
am 28 cal 8 mdq	8	✓	1000.0	1022.9	102.3

Compound Calibration Report

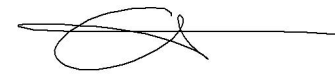
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



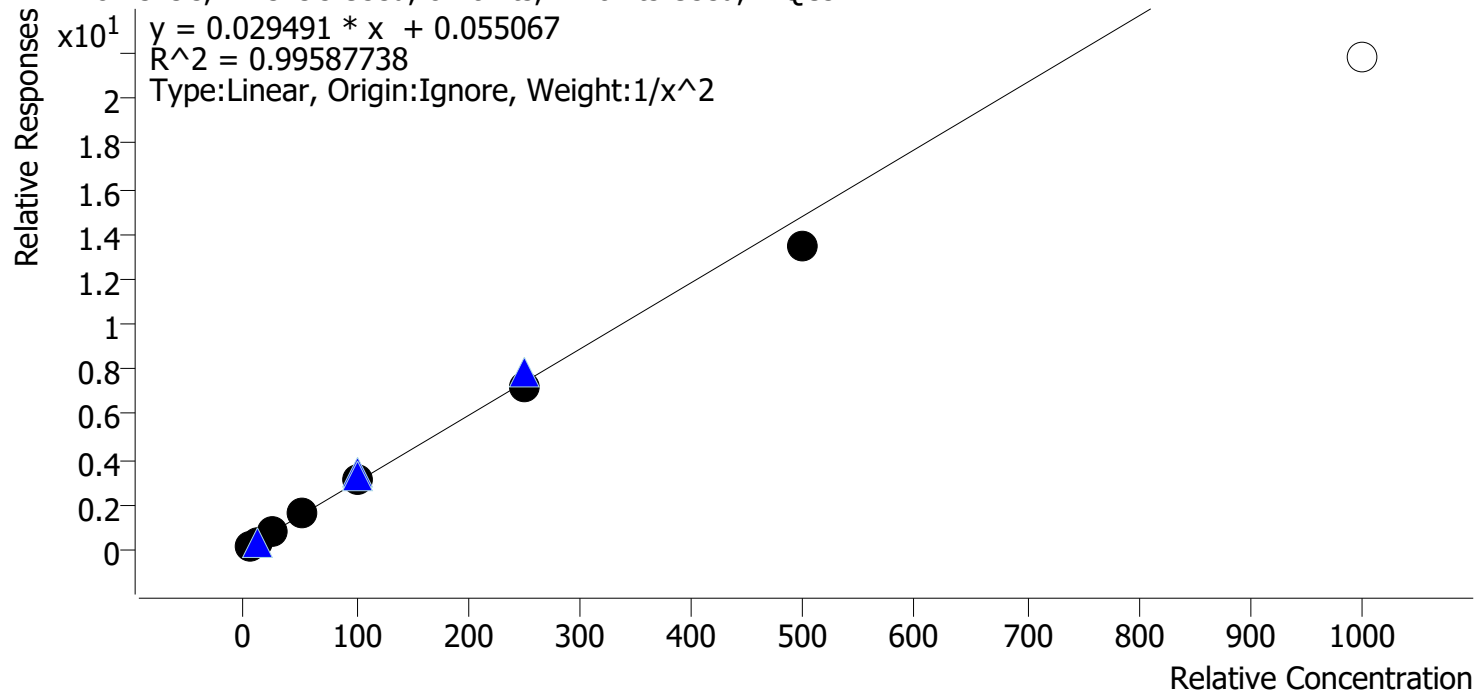
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	97.4
am 28 cal 2 mdq	2	✓	10.0	10.2	102.3
am 28 cal 3 mdq	3	✓	25.0	23.7	94.7
am 28 cal 4 mdq	4	✓	50.0	50.1	100.2
am 28 cal 5 mdq	5	✓	100.0	100.4	100.4
am28 cal 6 mdq	6	✓	250.0	252.3	100.9
am 28 cal 7 mdq	7	✓	500.0	542.5	108.5
am 28 cal 8 mdq	8	✓	1000.0	955.9	95.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

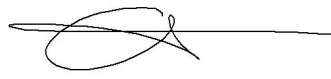
MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	98.2
am 28 cal 2 mdq	2	✓	10.0	10.1	100.7
am 28 cal 3 mdq	3	✓	25.0	25.9	103.7
am 28 cal 4 mdq	4	✓	50.0	53.7	107.5
am 28 cal 5 mdq	5	✓	100.0	102.6	102.6
am28 cal 6 mdq	6	✓	250.0	241.1	96.5
am 28 cal 7 mdq	7	✓	500.0	454.1	90.8
am 28 cal 8 mdq	8	✗	1000.0	737.6	73.8

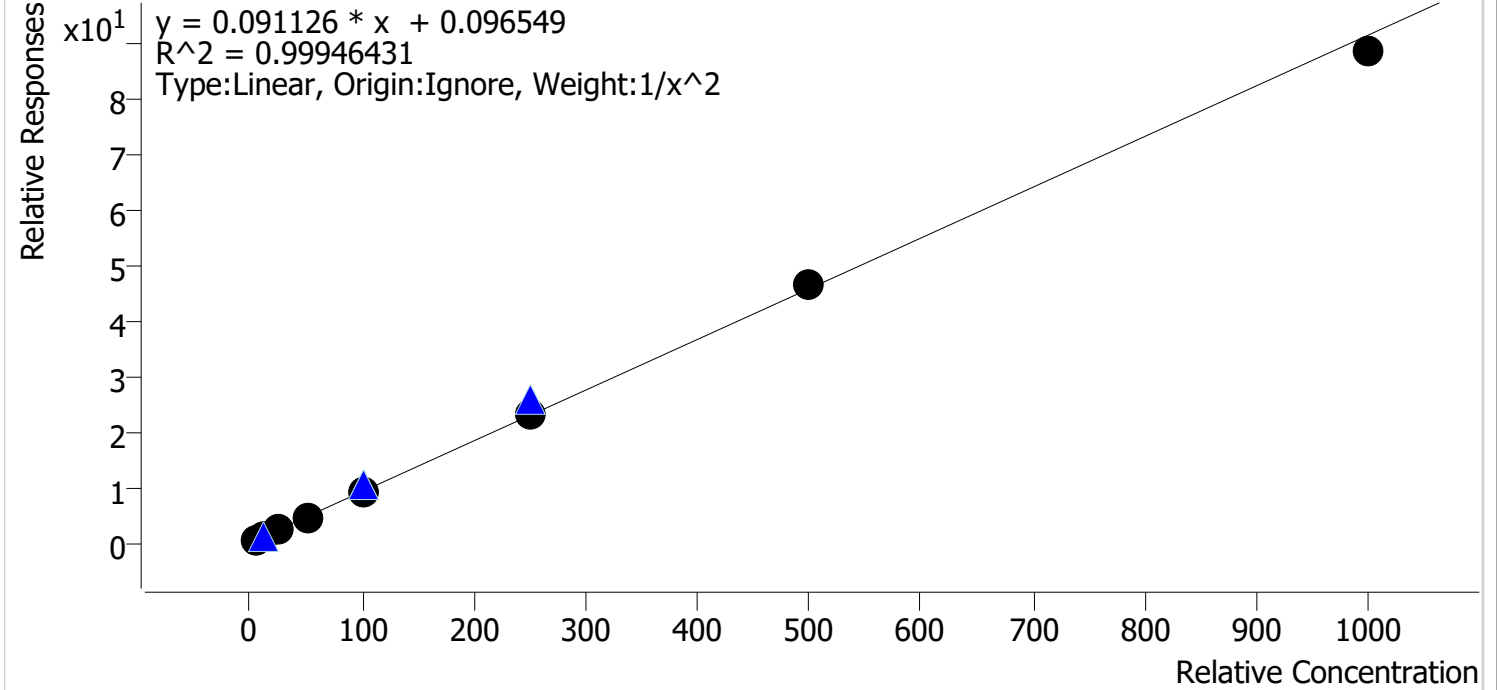
dropped cal 8 due to accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



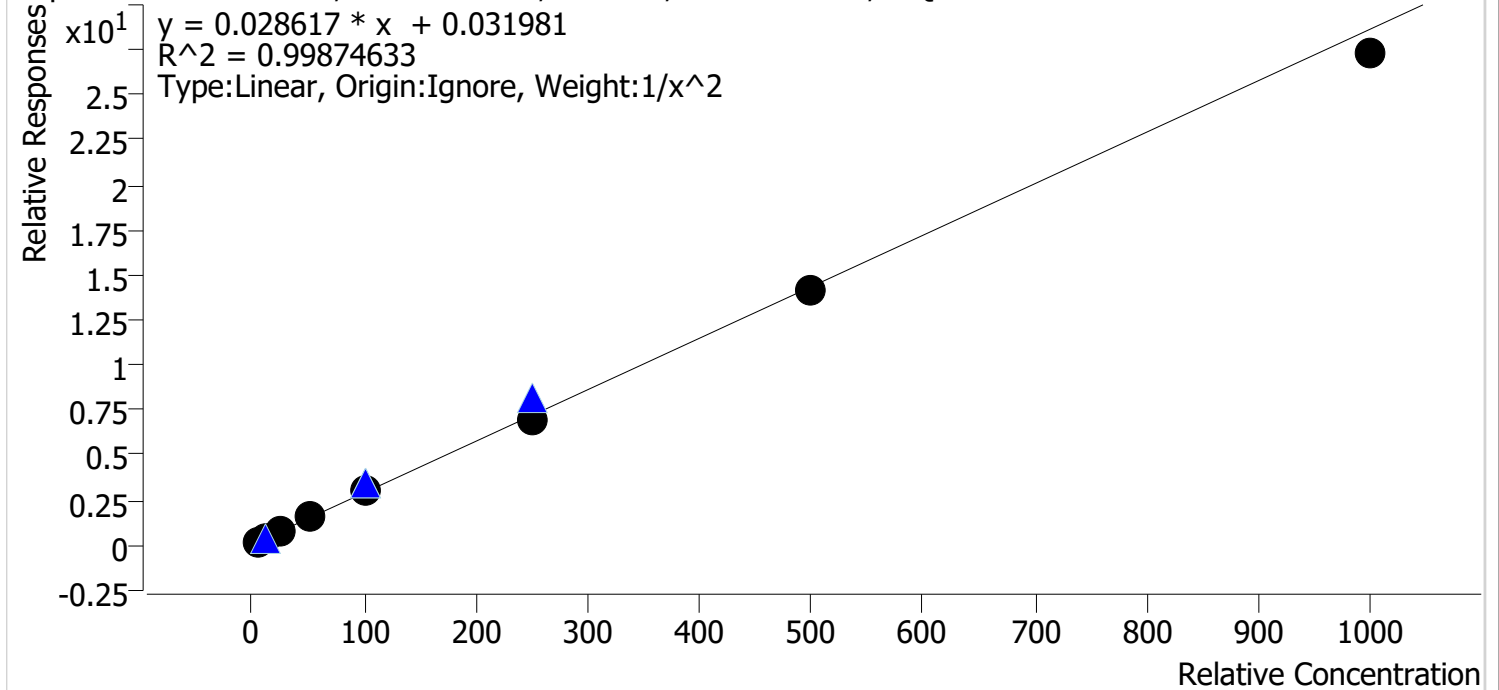
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.8
am 28 cal 2 mdq	2	✓	10.0	10.1	101.2
am 28 cal 3 mdq	3	✓	25.0	24.3	97.0
am 28 cal 4 mdq	4	✓	50.0	50.3	100.6
am 28 cal 5 mdq	5	✓	100.0	101.5	101.5
am28 cal 6 mdq	6	✓	250.0	254.5	101.8
am 28 cal 7 mdq	7	✓	500.0	506.3	101.3
am 28 cal 8 mdq	8	✓	1000.0	967.5	96.8

Compound Calibration Report



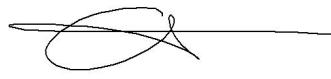
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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

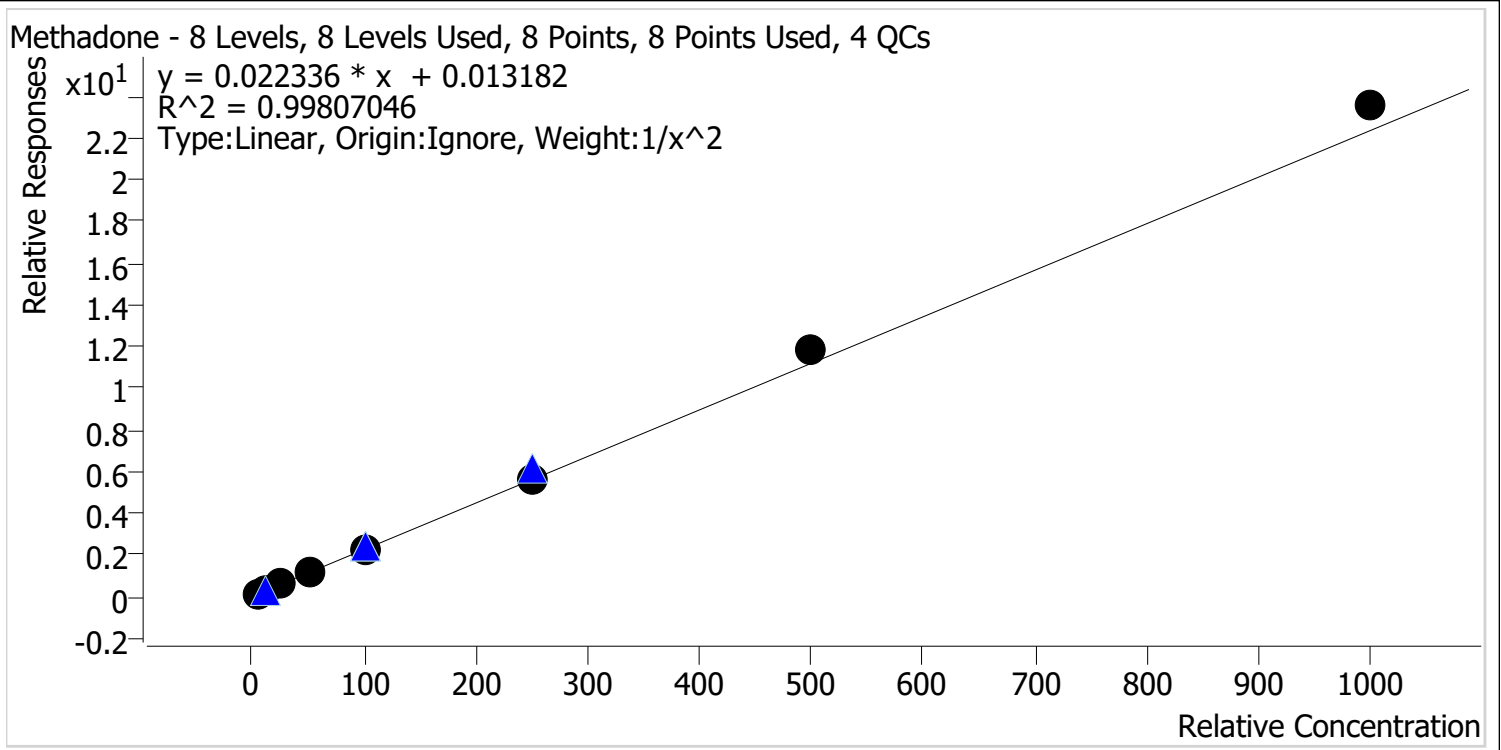


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	98.0
am 28 cal 2 mdq	2	✓	10.0	10.3	102.8
am 28 cal 3 mdq	3	✓	25.0	25.3	101.1
am 28 cal 4 mdq	4	✓	50.0	51.4	102.8
am 28 cal 5 mdq	5	✓	100.0	103.9	103.9
am28 cal 6 mdq	6	✓	250.0	244.5	97.8
am 28 cal 7 mdq	7	✓	500.0	491.9	98.4
am 28 cal 8 mdq	8	✓	1000.0	952.6	95.3

Compound Calibration Report

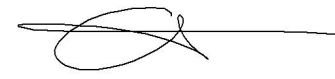


Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



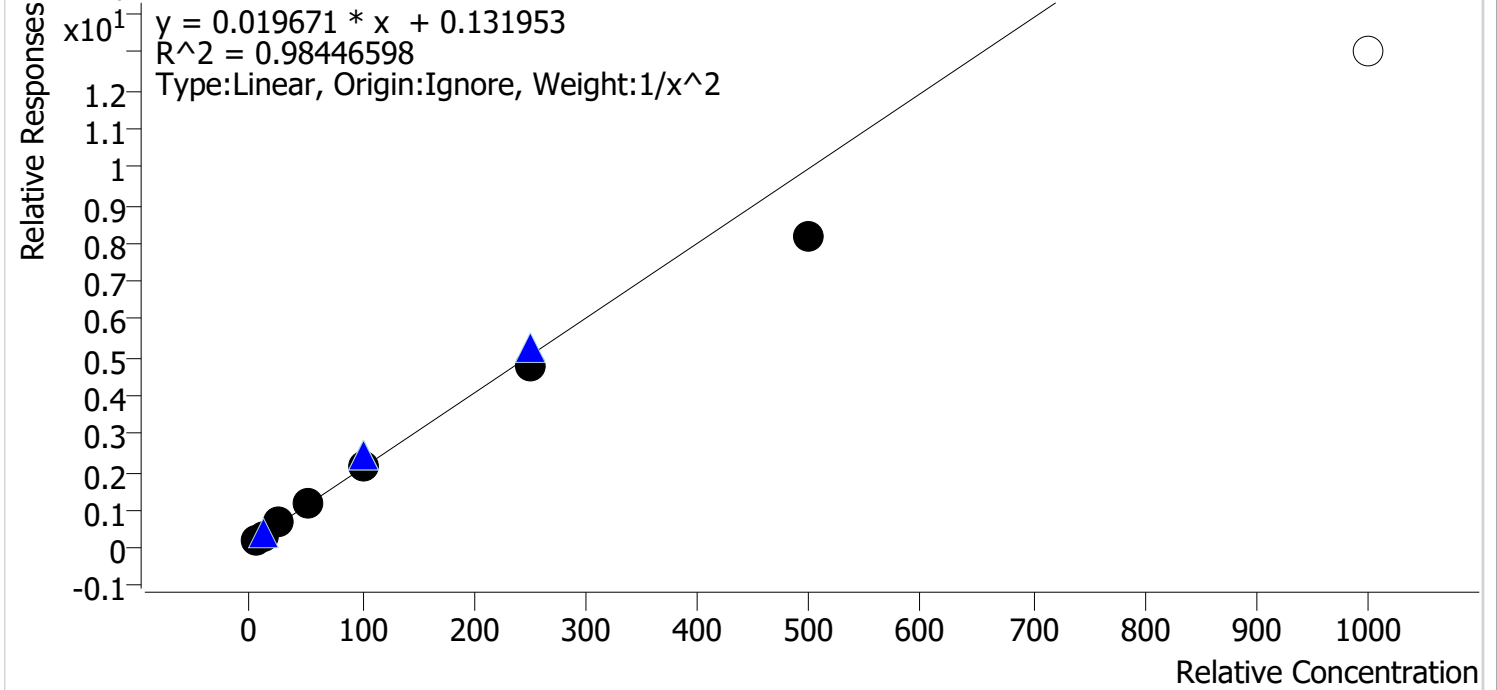
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.0
am 28 cal 2 mdq	2	✓	10.0	9.9	98.5
am 28 cal 3 mdq	3	✓	25.0	24.0	95.8
am 28 cal 4 mdq	4	✓	50.0	48.3	96.6
am 28 cal 5 mdq	5	✓	100.0	96.6	96.6
am28 cal 6 mdq	6	✓	250.0	249.9	100.0
am 28 cal 7 mdq	7	✓	500.0	525.6	105.1
am 28 cal 8 mdq	8	✓	1000.0	1053.8	105.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

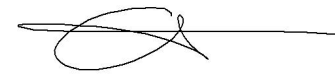
Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.6	92.9
am 28 cal 2 mdq	2	✓	10.0	10.9	108.7
am 28 cal 3 mdq	3	✓	25.0	27.5	109.9
am 28 cal 4 mdq	4	✓	50.0	53.9	107.8
am 28 cal 5 mdq	5	✓	100.0	104.4	104.4
am28 cal 6 mdq	6	✓	250.0	237.0	94.8
am 28 cal 7 mdq	7	✓	500.0	407.1	81.4
am 28 cal 8 mdq	8	✗	1000.0	655.4	65.5

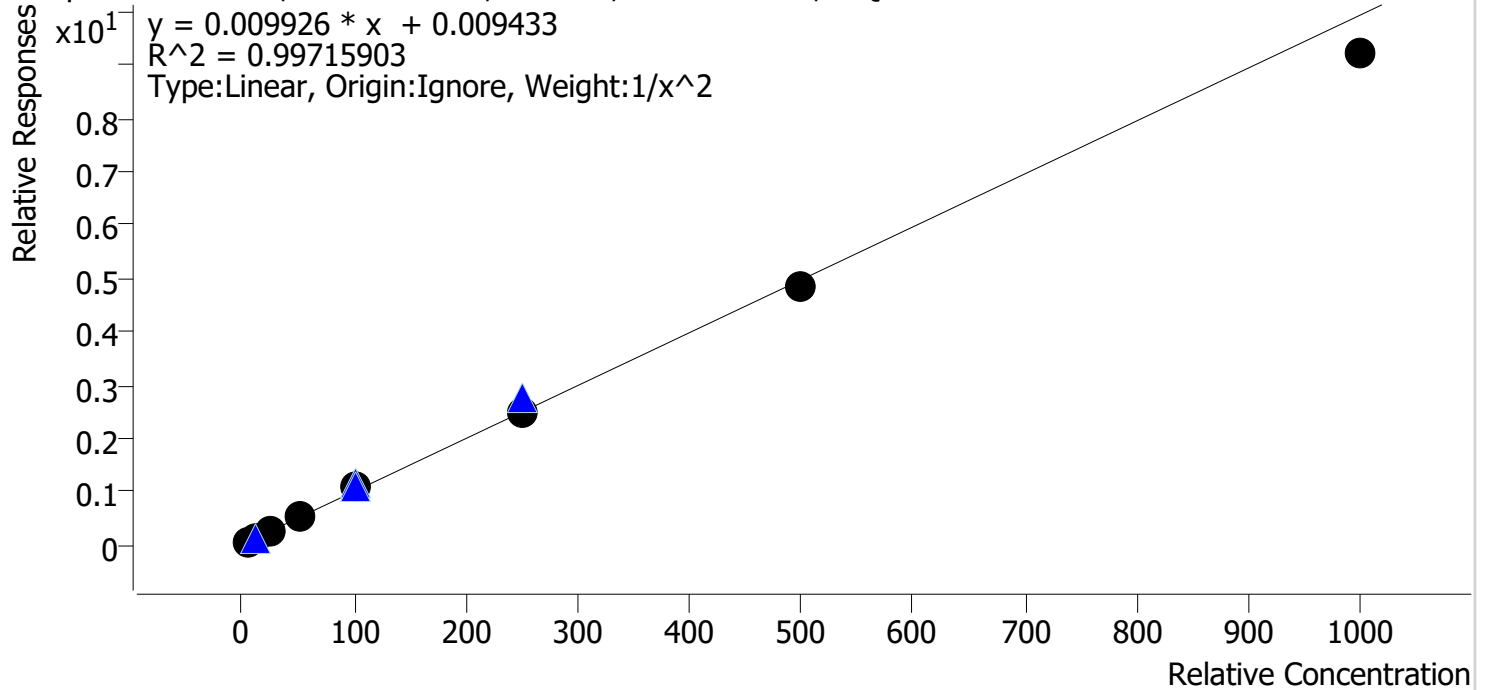
dropped cal 8 due to accuracy

Compound Calibration Report



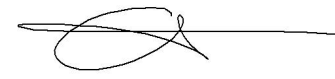
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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



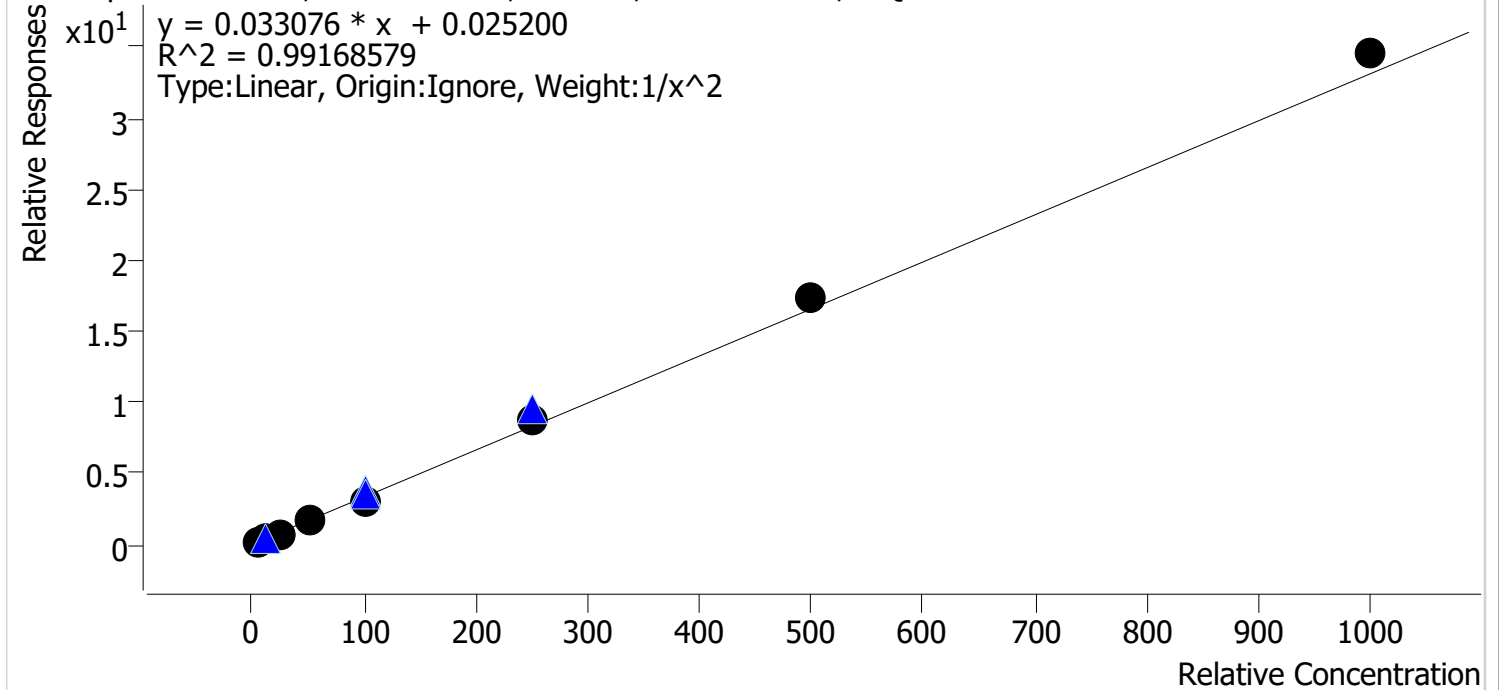
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.3
am 28 cal 2 mdq	2	✓	10.0	10.1	100.6
am 28 cal 3 mdq	3	✓	25.0	24.6	98.4
am 28 cal 4 mdq	4	✓	50.0	51.7	103.4
am 28 cal 5 mdq	5	✓	100.0	108.6	108.6
am28 cal 6 mdq	6	✓	250.0	248.9	99.6
am 28 cal 7 mdq	7	✓	500.0	486.6	97.3
am 28 cal 8 mdq	8	✓	1000.0	927.3	92.7

Compound Calibration Report



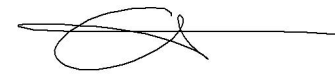
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.3
am 28 cal 2 mdq	2	✓	10.0	10.6	105.8
am 28 cal 3 mdq	3	✓	25.0	22.1	88.5
am 28 cal 4 mdq	4	✓	50.0	52.9	105.8
am 28 cal 5 mdq	5	✓	100.0	86.7	86.7
am28 cal 6 mdq	6	✓	250.0	261.7	104.7
am 28 cal 7 mdq	7	✓	500.0	524.4	104.9
am 28 cal 8 mdq	8	✓	1000.0	1043.0	104.3

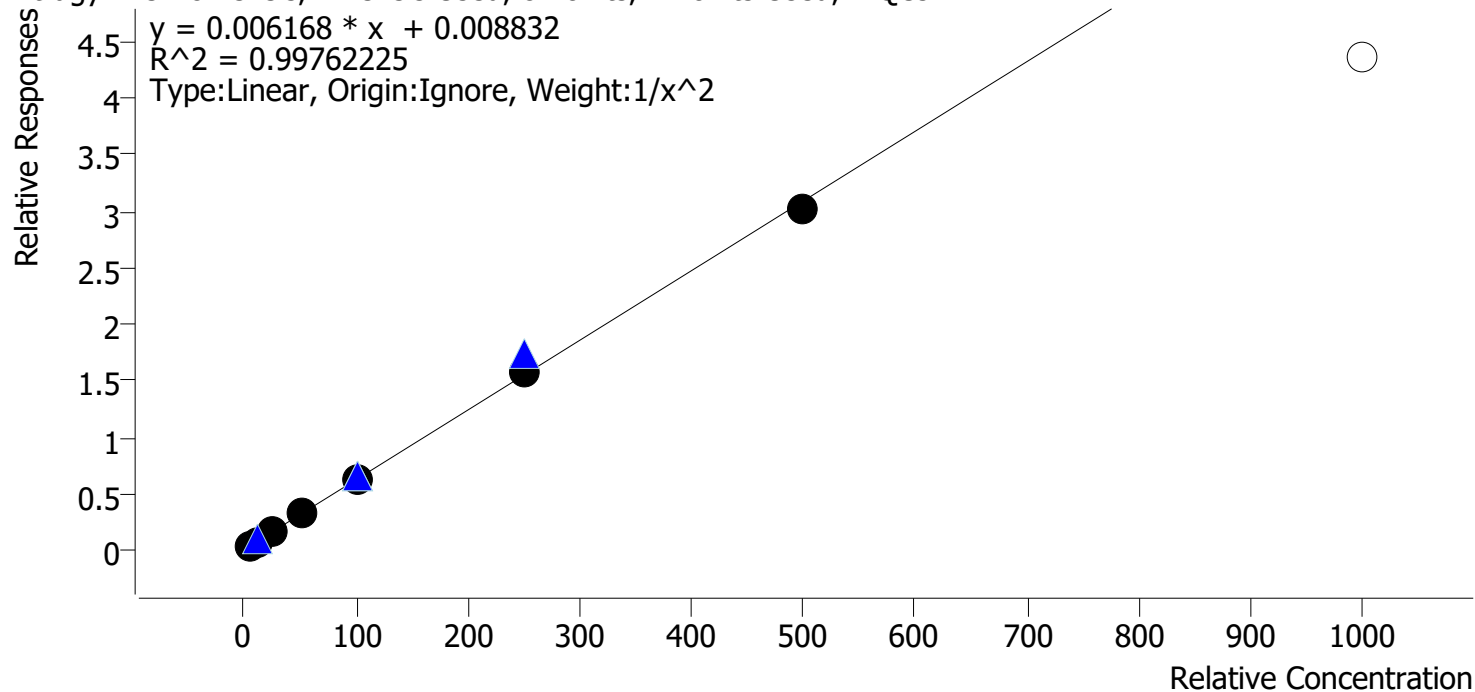
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Mitragynine

Internal Standard Trazodone-D6

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



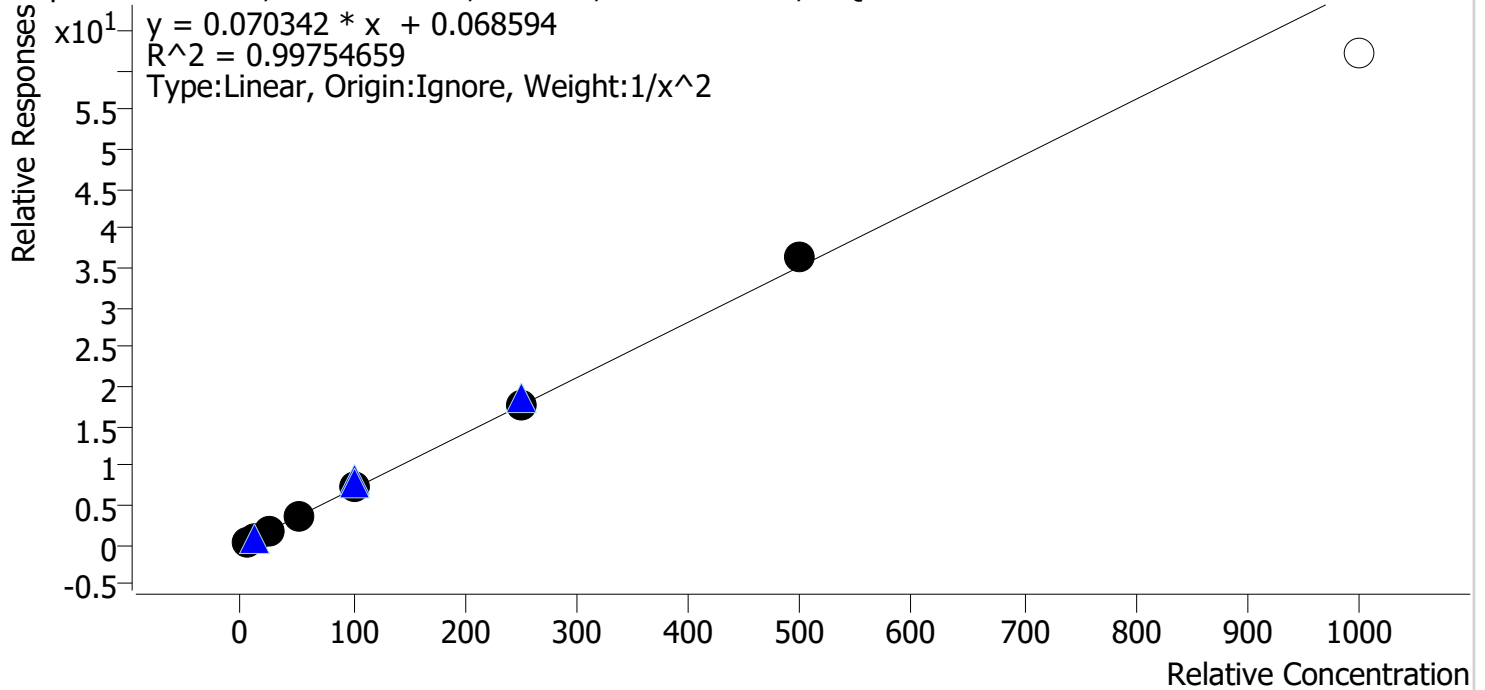
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.6
am 28 cal 2 mdq	2	✓	10.0	9.3	93.0
am 28 cal 3 mdq	3	✓	25.0	25.5	102.0
am 28 cal 4 mdq	4	✓	50.0	52.8	105.6
am 28 cal 5 mdq	5	✓	100.0	98.1	98.1
am28 cal 6 mdq	6	✓	250.0	252.6	101.1
am 28 cal 7 mdq	7	✓	500.0	487.9	97.6
am 28 cal 8 mdq	8	x	1000.0	705.8	70.6

dropped cal 8 due to accuracy

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

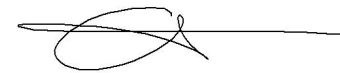
Morphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.2	104.0
am 28 cal 2 mdq	2	✓	10.0	9.2	92.5
am 28 cal 3 mdq	3	✓	25.0	24.8	99.2
am 28 cal 4 mdq	4	✓	50.0	48.5	97.1
am 28 cal 5 mdq	5	✓	100.0	103.2	103.2
am28 cal 6 mdq	6	✓	250.0	250.9	100.4
am 28 cal 7 mdq	7	✓	500.0	518.1	103.6
am 28 cal 8 mdq	8	✗	1000.0	882.4	88.2

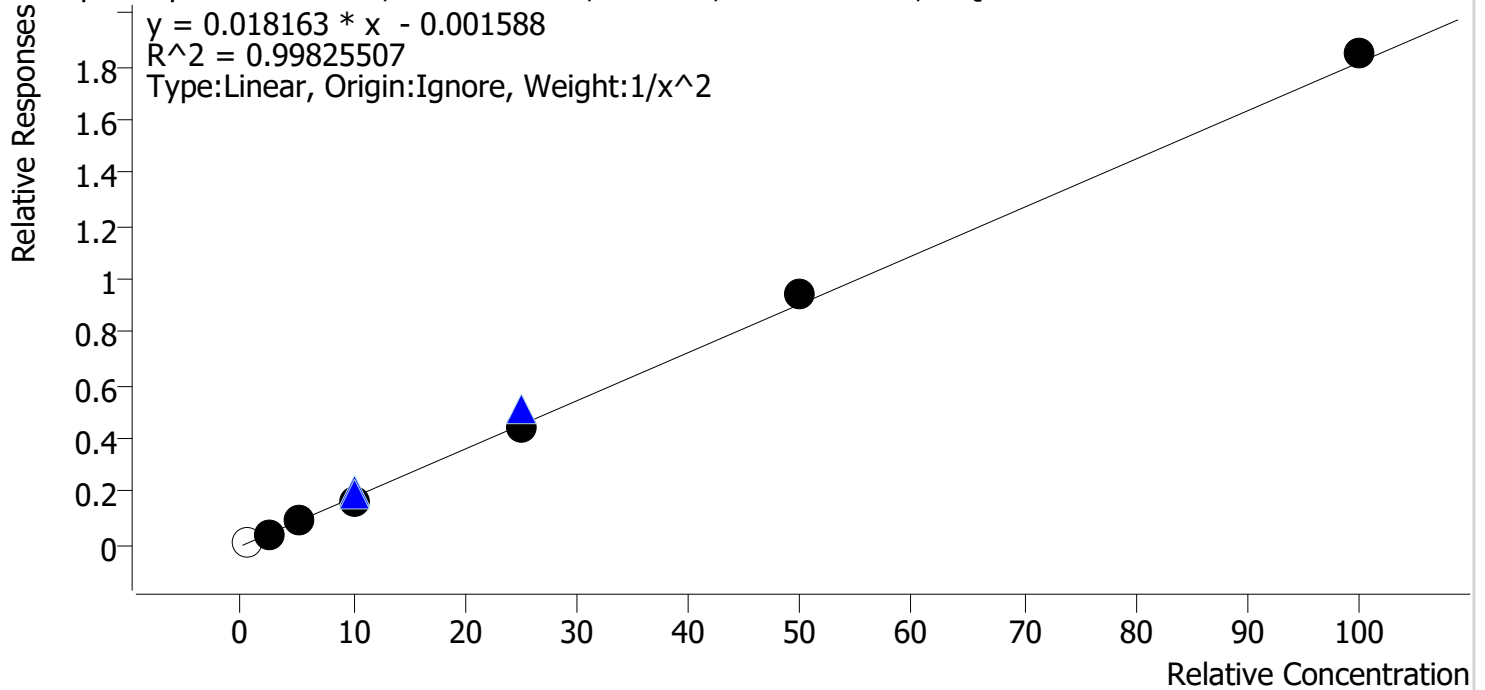
dropped cal 8, due to accuracy, when cal 8 is included the 100 control is out of range.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 3 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	x	0.5	0.8	168.2
am 28 cal 3 mdq	3	✓	2.5	2.5	101.2
am 28 cal 4 mdq	4	✓	5.0	5.0	100.1
am 28 cal 5 mdq	5	✓	10.0	9.5	95.2
am28 cal 6 mdq	6	✓	25.0	24.3	97.2
am 28 cal 7 mdq	7	✓	50.0	52.3	104.5
am 28 cal 8 mdq	8	✓	100.0	101.8	101.8

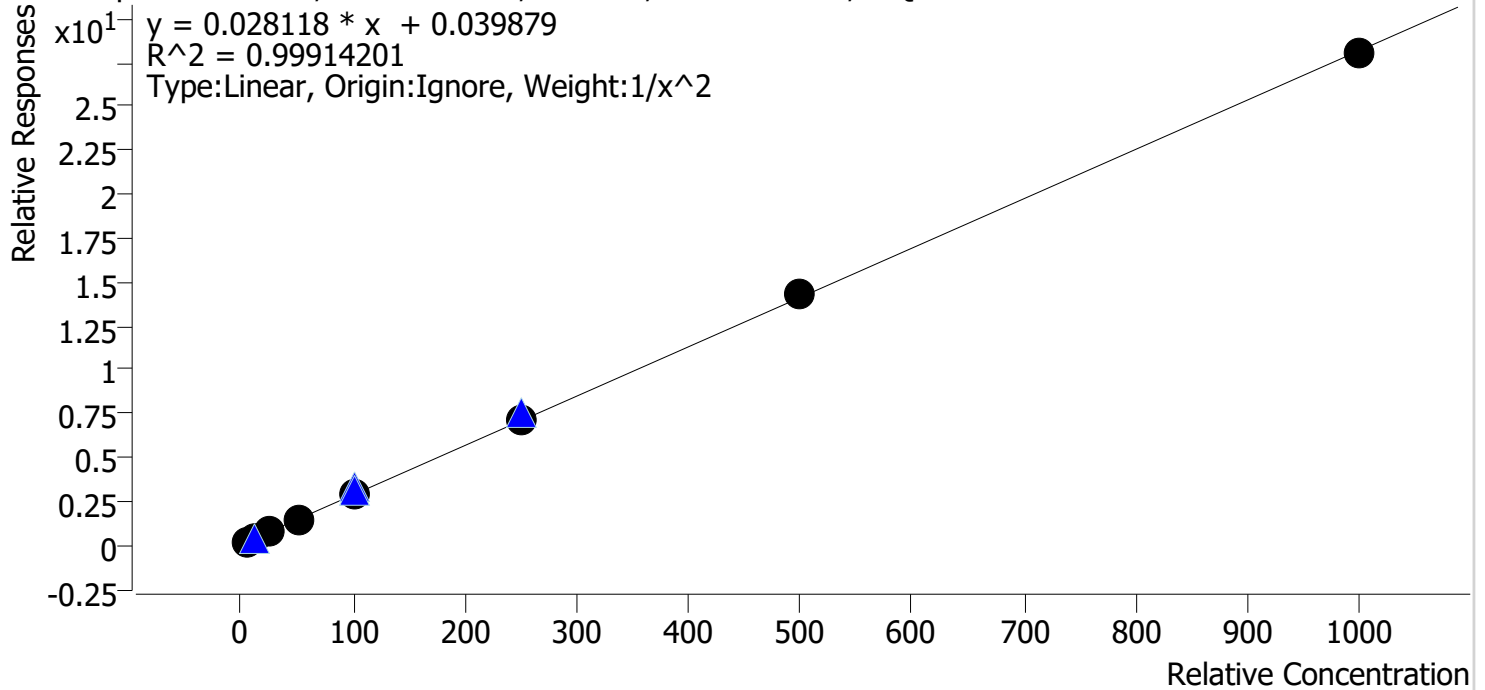
dropped cal 1 and cal 2 due to poor peak shape and recovery at these levels

Compound Calibration Report



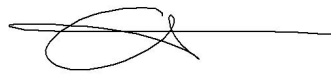
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	99.0
am 28 cal 2 mdq	2	✓	10.0	10.4	103.6
am 28 cal 3 mdq	3	✓	25.0	23.8	95.1
am 28 cal 4 mdq	4	✓	50.0	51.1	102.3
am 28 cal 5 mdq	5	✓	100.0	99.5	99.5
am28 cal 6 mdq	6	✓	250.0	249.4	99.8
am 28 cal 7 mdq	7	✓	500.0	506.9	101.4
am 28 cal 8 mdq	8	✓	1000.0	994.2	99.4

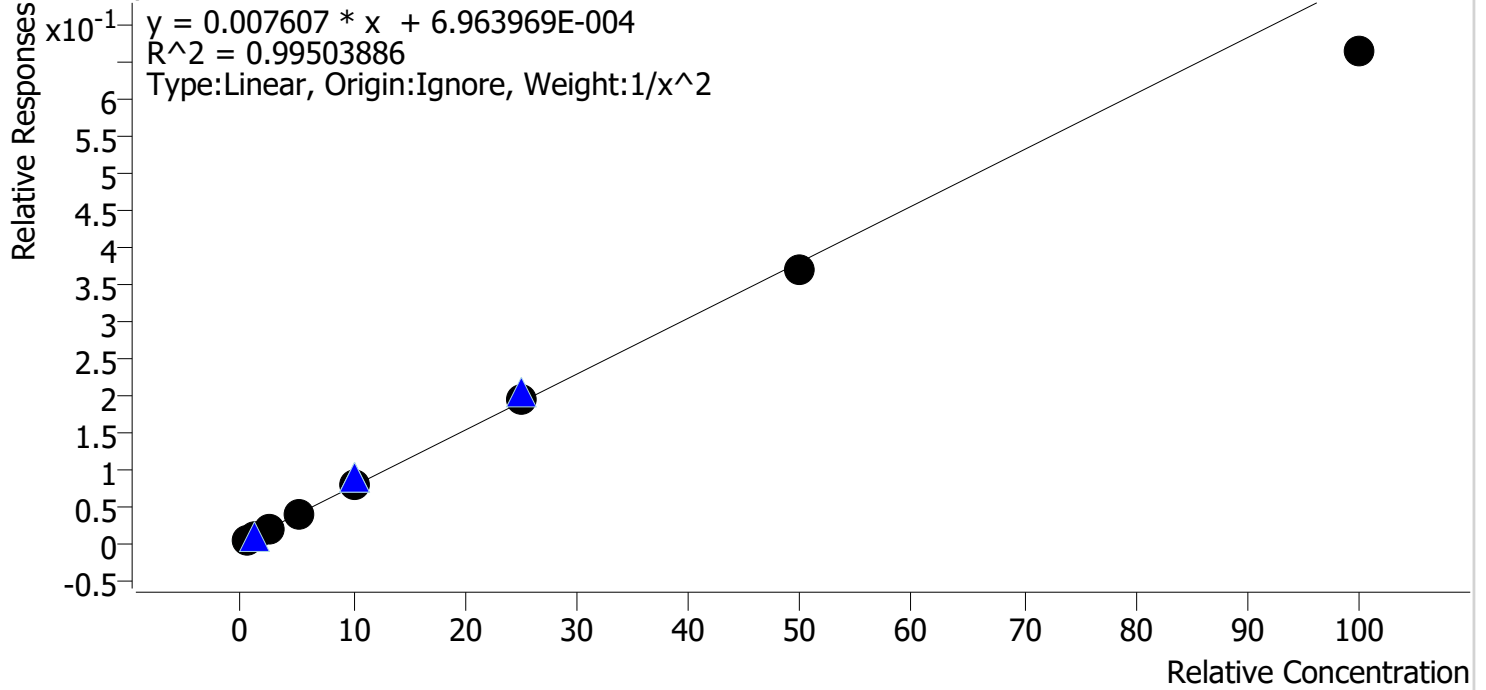
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Norfentanyl

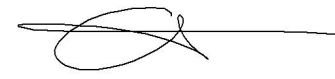
Internal Standard Norfentanyl-D5

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



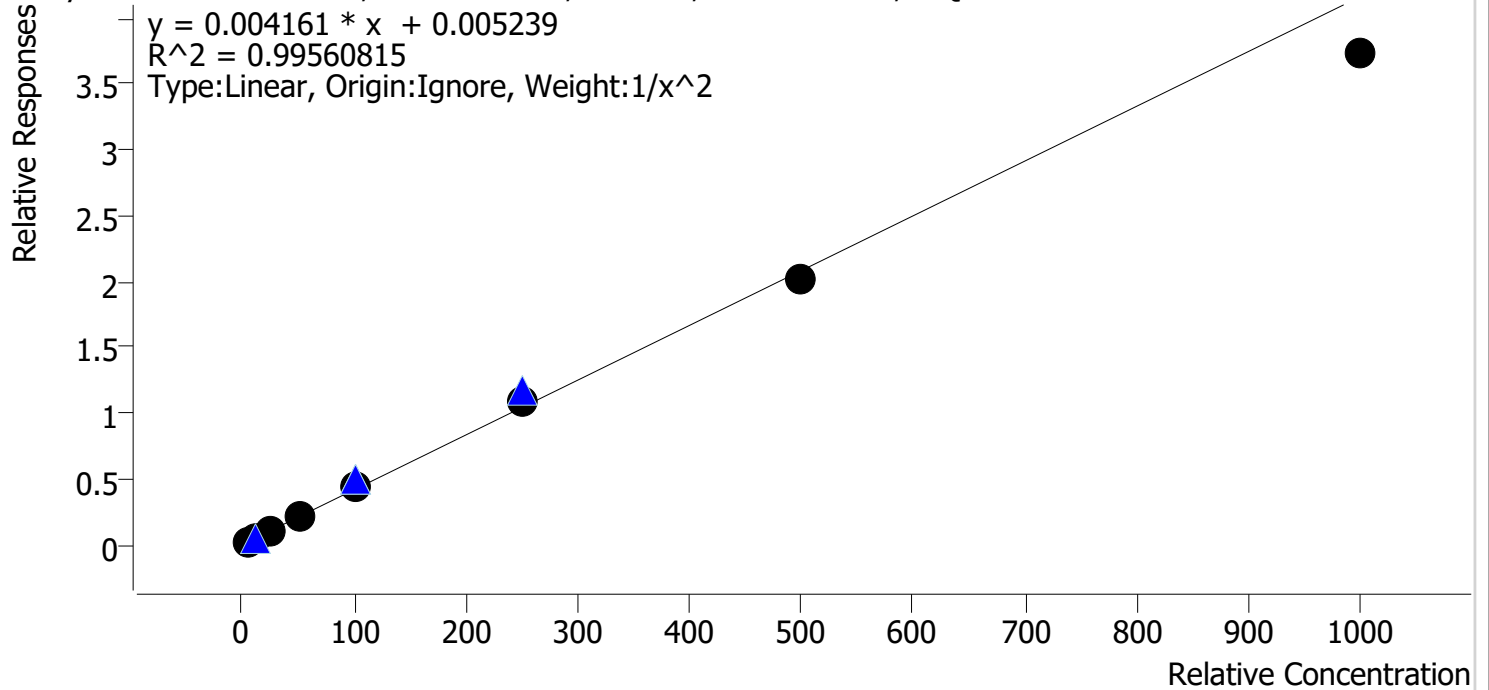
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	0.5	0.5	96.0
am 28 cal 2 mdq	2	✓	1.0	1.1	105.1
am 28 cal 3 mdq	3	✓	2.5	2.6	103.8
am 28 cal 4 mdq	4	✓	5.0	5.3	105.2
am 28 cal 5 mdq	5	✓	10.0	10.4	104.1
am28 cal 6 mdq	6	✓	25.0	25.2	100.7
am 28 cal 7 mdq	7	✓	50.0	48.8	97.5
am 28 cal 8 mdq	8	✓	100.0	87.5	87.5

Compound Calibration Report



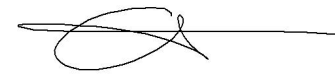
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



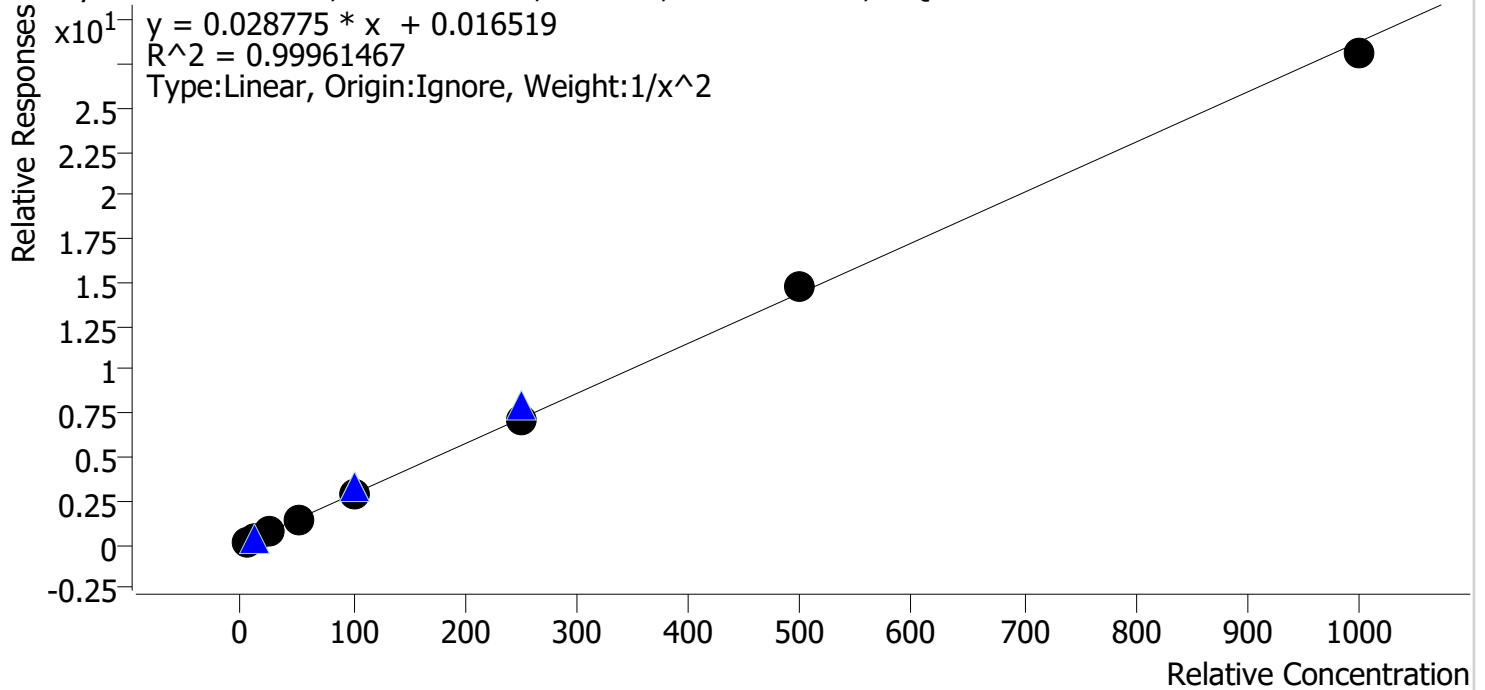
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.4
am 28 cal 2 mdq	2	✓	10.0	9.8	98.1
am 28 cal 3 mdq	3	✓	25.0	24.5	97.9
am 28 cal 4 mdq	4	✓	50.0	53.5	107.0
am 28 cal 5 mdq	5	✓	100.0	105.6	105.6
am28 cal 6 mdq	6	✓	250.0	262.5	105.0
am 28 cal 7 mdq	7	✓	500.0	482.2	96.4
am 28 cal 8 mdq	8	✓	1000.0	896.2	89.6

Compound Calibration Report



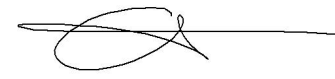
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

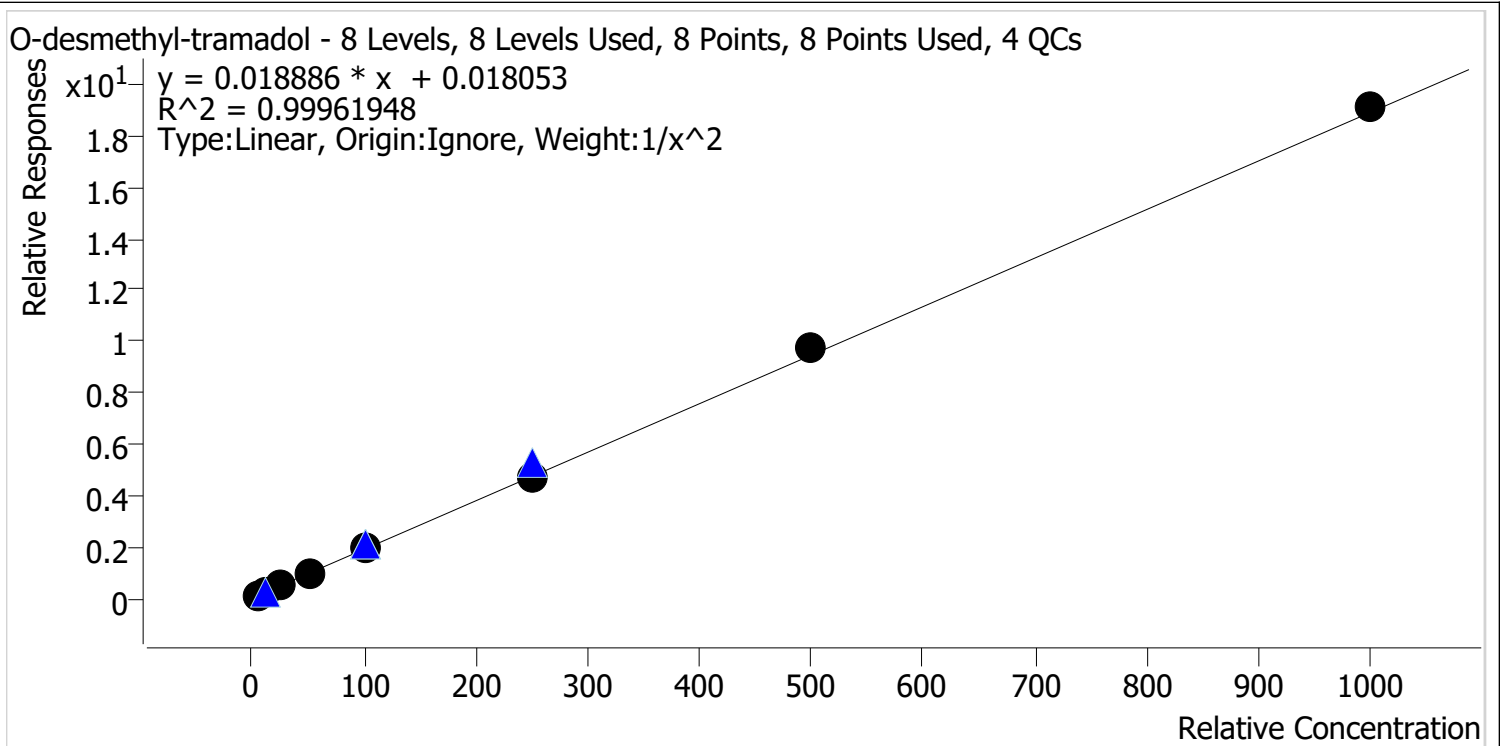


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.2
am 28 cal 2 mdq	2	✓	10.0	10.0	99.9
am 28 cal 3 mdq	3	✓	25.0	24.7	98.9
am 28 cal 4 mdq	4	✓	50.0	50.7	101.4
am 28 cal 5 mdq	5	✓	100.0	98.8	98.8
am28 cal 6 mdq	6	✓	250.0	250.4	100.1
am 28 cal 7 mdq	7	✓	500.0	515.8	103.2
am 28 cal 8 mdq	8	✓	1000.0	976.5	97.6

Compound Calibration Report

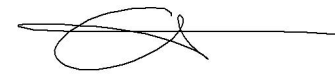


Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



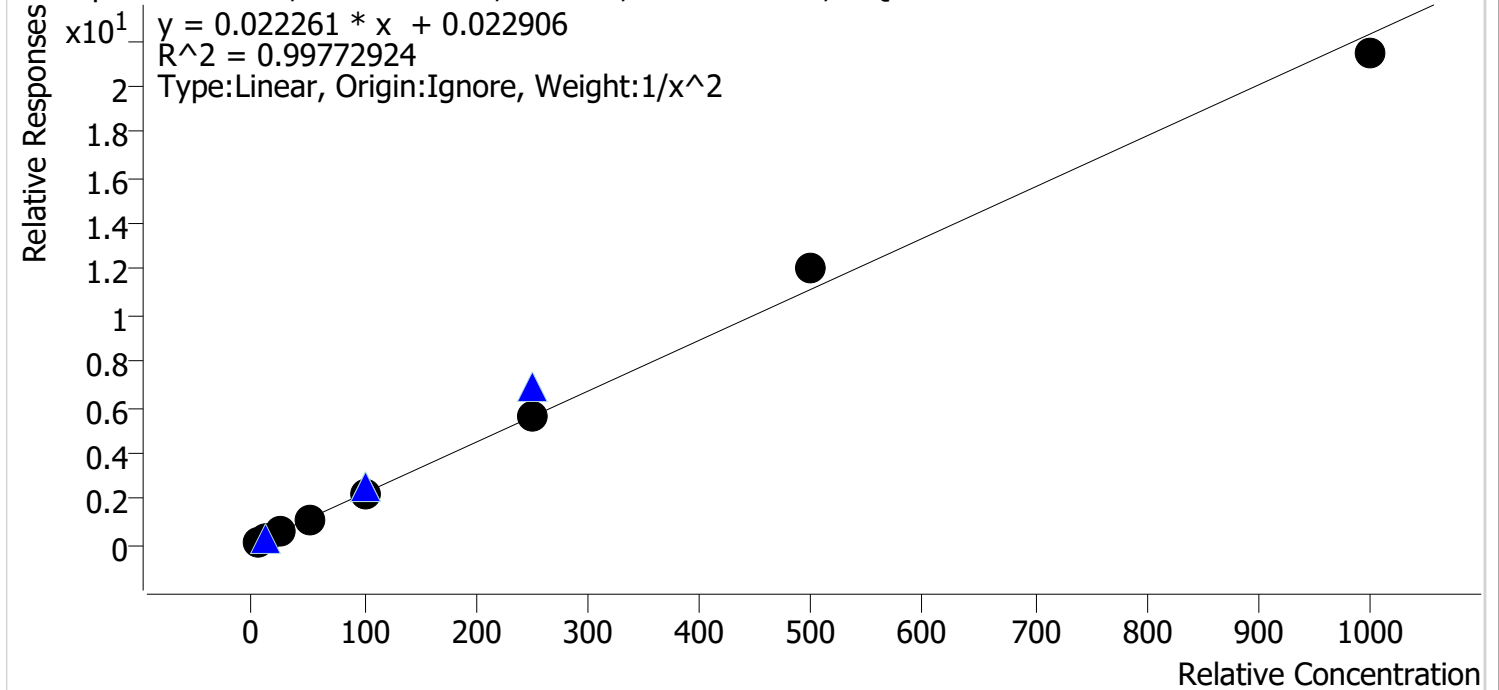
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.4
am 28 cal 2 mdq	2	✓	10.0	10.0	100.5
am 28 cal 3 mdq	3	✓	25.0	24.2	96.8
am 28 cal 4 mdq	4	✓	50.0	49.8	99.7
am 28 cal 5 mdq	5	✓	100.0	99.5	99.5
am28 cal 6 mdq	6	✓	250.0	248.1	99.2
am 28 cal 7 mdq	7	✓	500.0	513.7	102.7
am 28 cal 8 mdq	8	✓	1000.0	1010.8	101.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

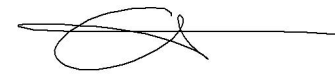
Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.8
am 28 cal 2 mdq	2	✓	10.0	9.5	95.0
am 28 cal 3 mdq	3	✓	25.0	24.8	99.1
am 28 cal 4 mdq	4	✓	50.0	49.1	98.3
am 28 cal 5 mdq	5	✓	100.0	99.8	99.8
am28 cal 6 mdq	6	✓	250.0	251.7	100.7
am 28 cal 7 mdq	7	✓	500.0	541.3	108.3
am 28 cal 8 mdq	8	✓	1000.0	961.5	96.2

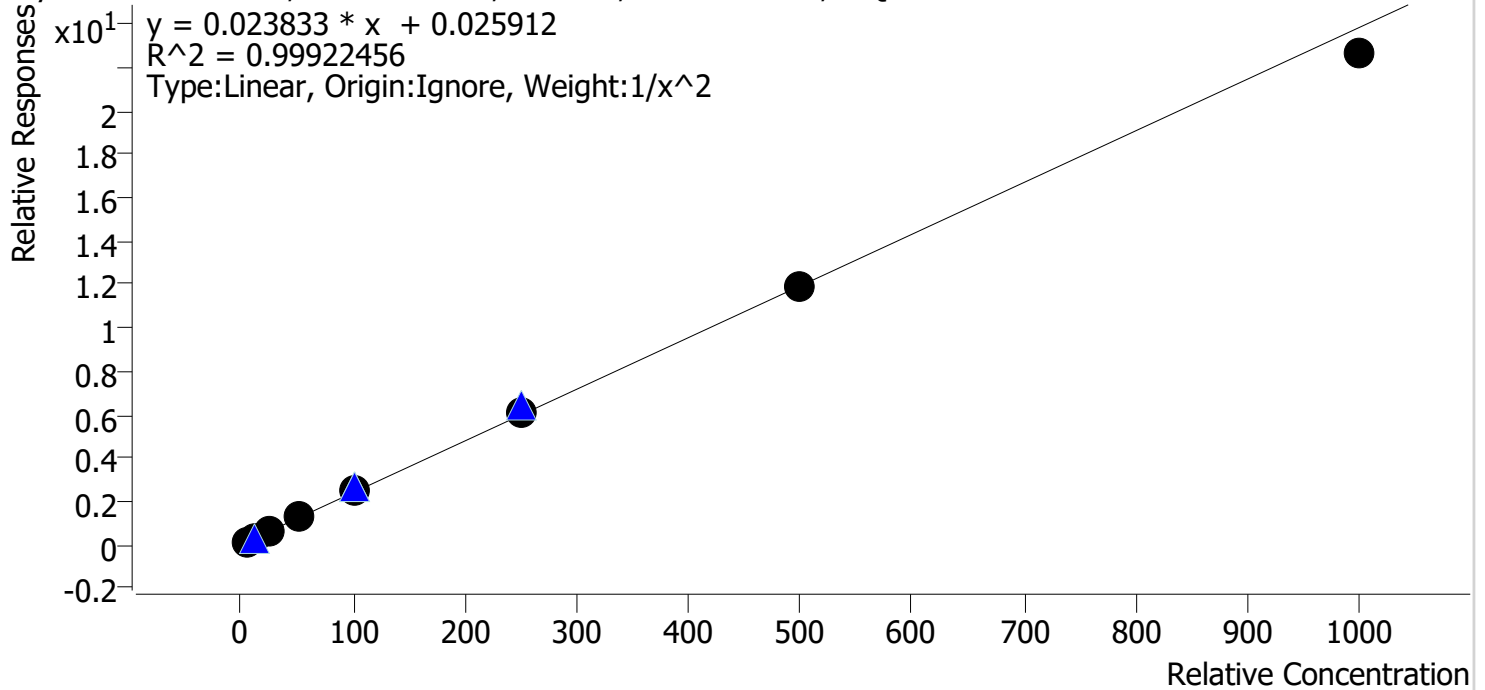
evaluated qualitatively only due to accuracy of 100 ng control being out of range.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



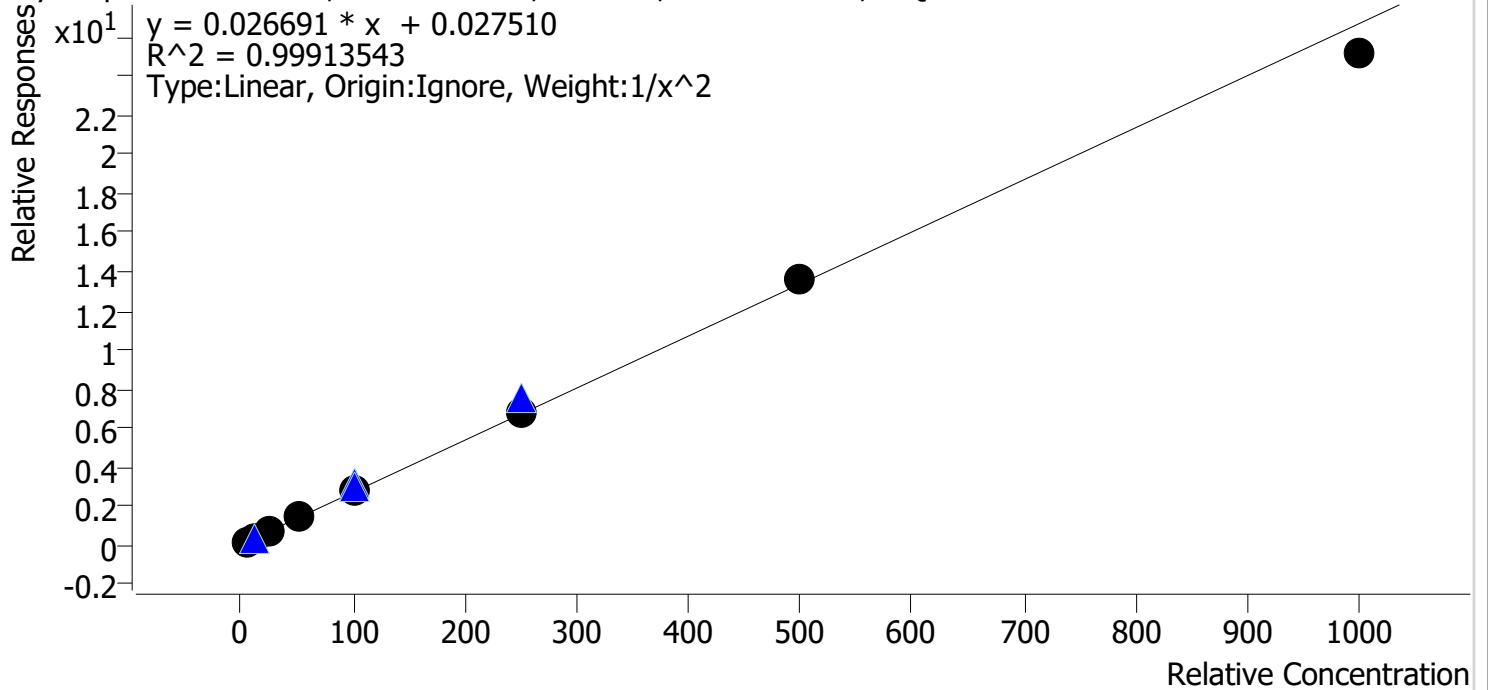
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	98.8
am 28 cal 2 mdq	2	✓	10.0	10.2	101.6
am 28 cal 3 mdq	3	✓	25.0	25.2	100.8
am 28 cal 4 mdq	4	✓	50.0	50.6	101.2
am 28 cal 5 mdq	5	✓	100.0	102.9	102.9
am28 cal 6 mdq	6	✓	250.0	251.6	100.6
am 28 cal 7 mdq	7	✓	500.0	495.9	99.2
am 28 cal 8 mdq	8	✓	1000.0	949.5	95.0

Compound Calibration Report



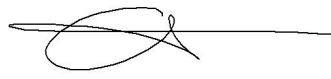
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



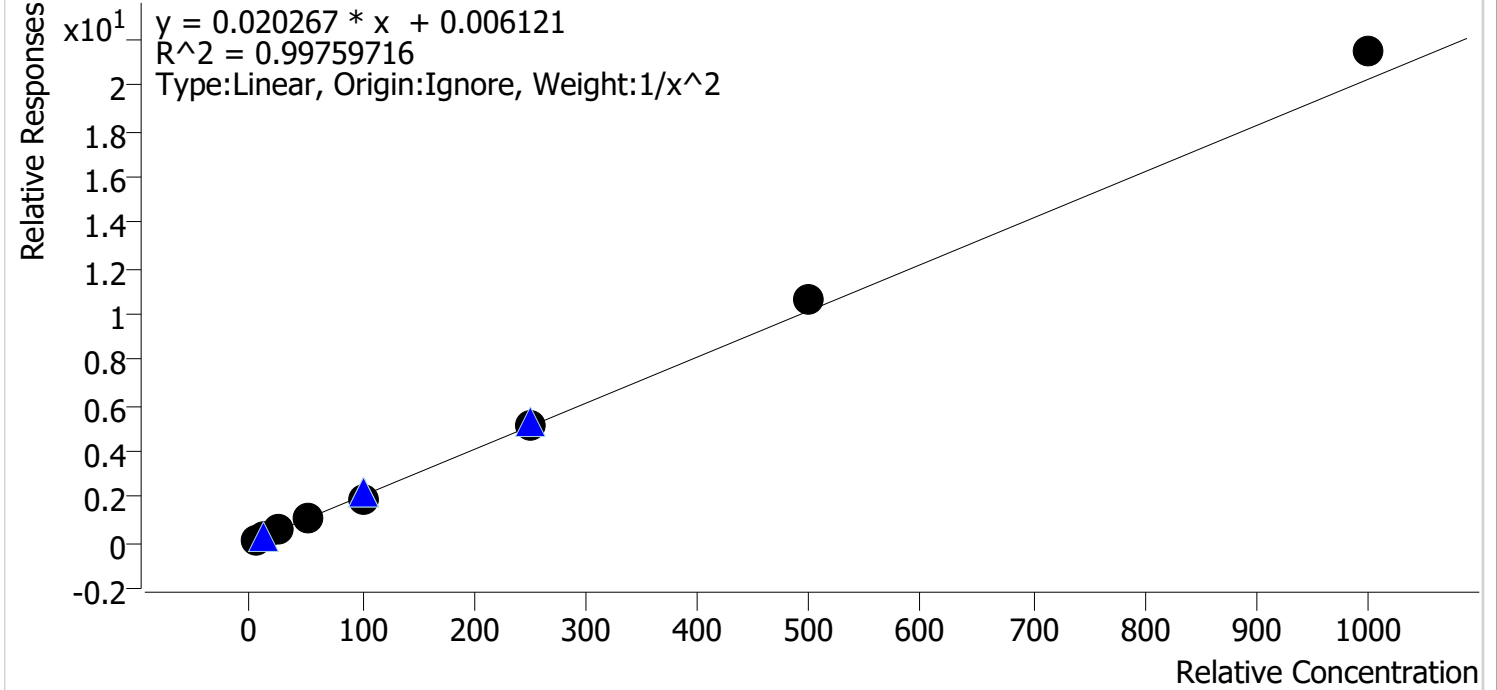
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	98.8
am 28 cal 2 mdq	2	✓	10.0	10.2	101.8
am 28 cal 3 mdq	3	✓	25.0	25.1	100.3
am 28 cal 4 mdq	4	✓	50.0	51.1	102.2
am 28 cal 5 mdq	5	✓	100.0	100.7	100.7
am28 cal 6 mdq	6	✓	250.0	252.0	100.8
am 28 cal 7 mdq	7	✓	500.0	505.8	101.2
am 28 cal 8 mdq	8	✓	1000.0	942.4	94.2

Compound Calibration Report



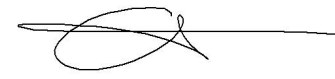
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



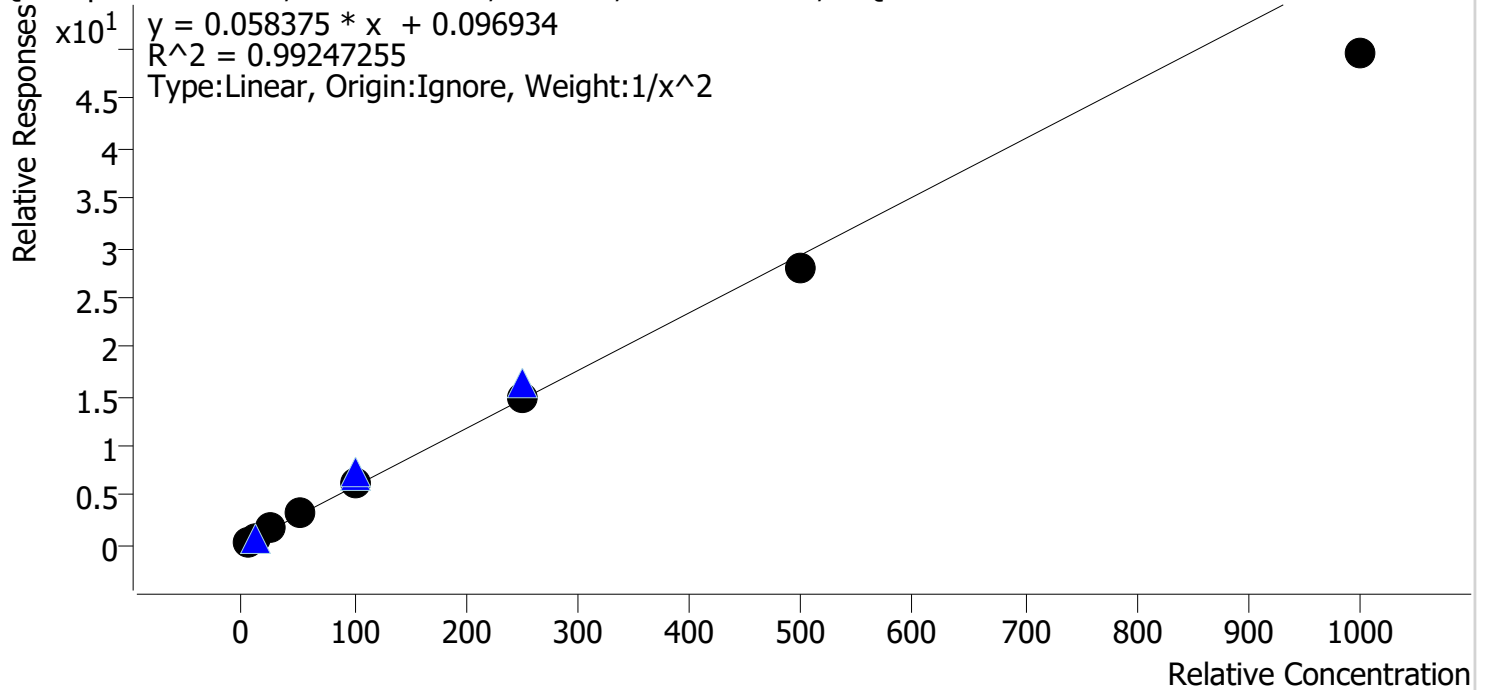
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	102.2
am 28 cal 2 mdq	2	✓	10.0	9.8	98.3
am 28 cal 3 mdq	3	✓	25.0	24.0	96.1
am 28 cal 4 mdq	4	✓	50.0	48.1	96.2
am 28 cal 5 mdq	5	✓	100.0	94.8	94.8
am28 cal 6 mdq	6	✓	250.0	253.2	101.3
am 28 cal 7 mdq	7	✓	500.0	525.5	105.1
am 28 cal 8 mdq	8	✓	1000.0	1059.9	106.0

Compound Calibration Report



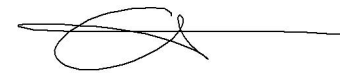
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



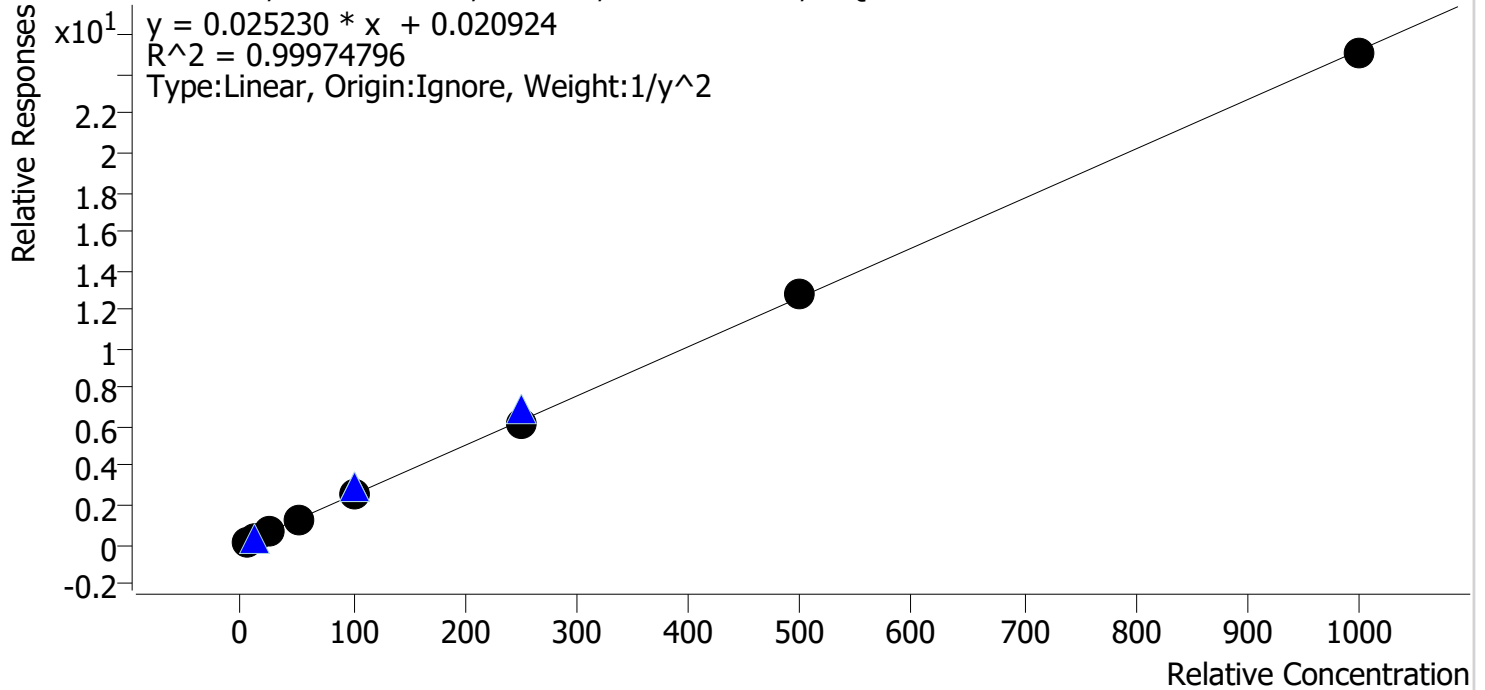
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	96.0
am 28 cal 2 mdq	2	✓	10.0	10.4	104.1
am 28 cal 3 mdq	3	✓	25.0	26.3	105.2
am 28 cal 4 mdq	4	✓	50.0	53.4	106.9
am 28 cal 5 mdq	5	✓	100.0	105.9	105.9
am28 cal 6 mdq	6	✓	250.0	254.7	101.9
am 28 cal 7 mdq	7	✓	500.0	476.9	95.4
am 28 cal 8 mdq	8	✓	1000.0	847.1	84.7

Compound Calibration Report



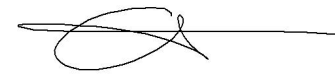
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



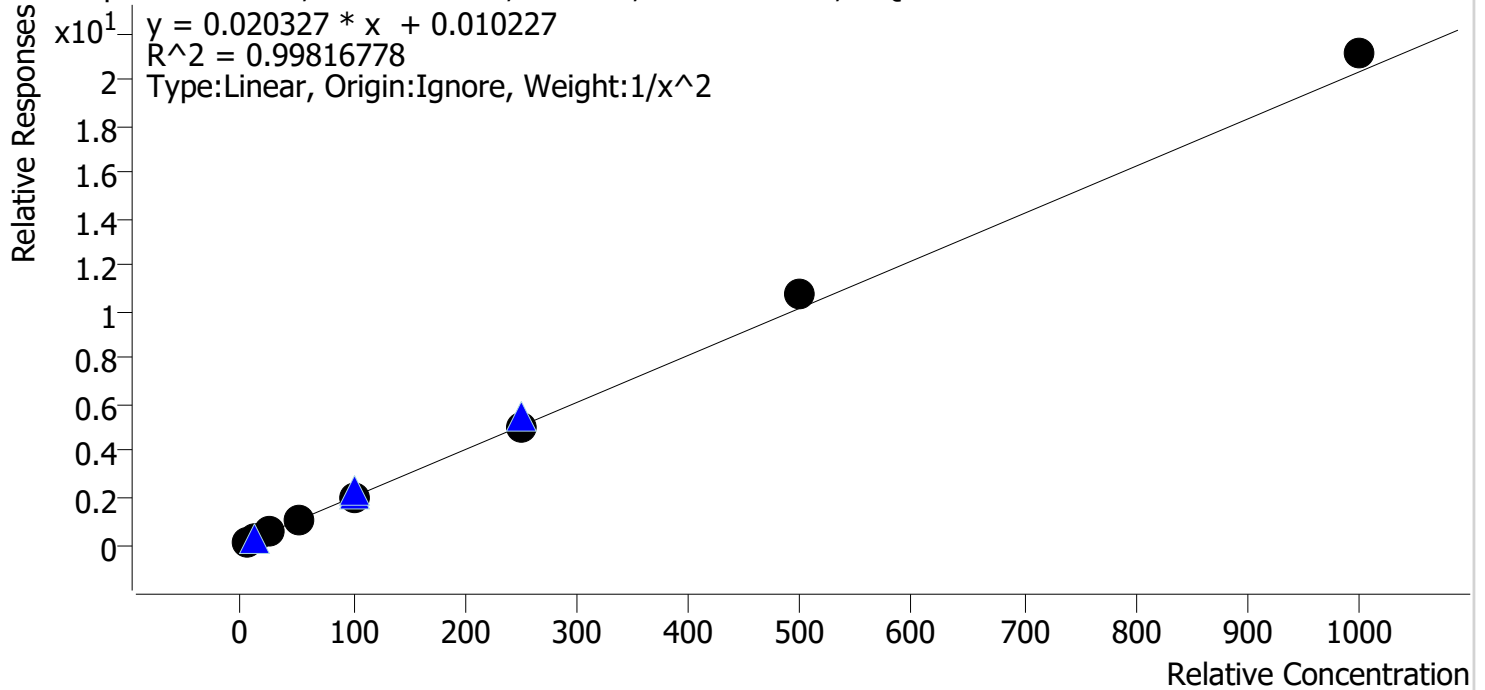
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	99.7
am 28 cal 2 mdq	2	✓	10.0	9.9	99.4
am 28 cal 3 mdq	3	✓	25.0	25.7	102.9
am 28 cal 4 mdq	4	✓	50.0	50.4	100.8
am 28 cal 5 mdq	5	✓	100.0	99.0	99.0
am28 cal 6 mdq	6	✓	250.0	246.0	98.4
am 28 cal 7 mdq	7	✓	500.0	503.7	100.7
am 28 cal 8 mdq	8	✓	1000.0	993.3	99.3

Compound Calibration Report



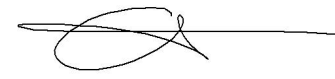
Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



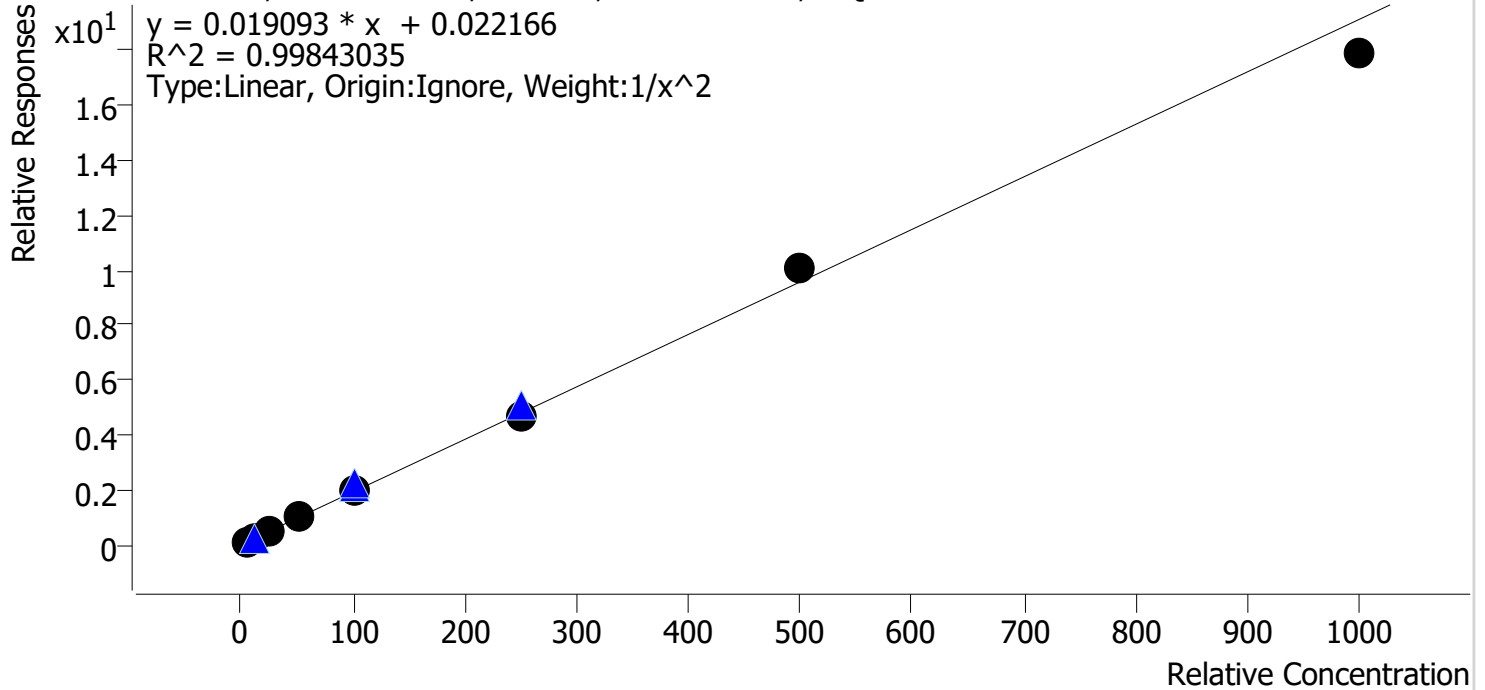
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.2	103.3
am 28 cal 2 mdq	2	✓	10.0	9.5	94.7
am 28 cal 3 mdq	3	✓	25.0	24.5	98.1
am 28 cal 4 mdq	4	✓	50.0	48.7	97.4
am 28 cal 5 mdq	5	✓	100.0	98.2	98.2
am28 cal 6 mdq	6	✓	250.0	247.6	99.1
am 28 cal 7 mdq	7	✓	500.0	526.5	105.3
am 28 cal 8 mdq	8	✓	1000.0	1038.7	103.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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

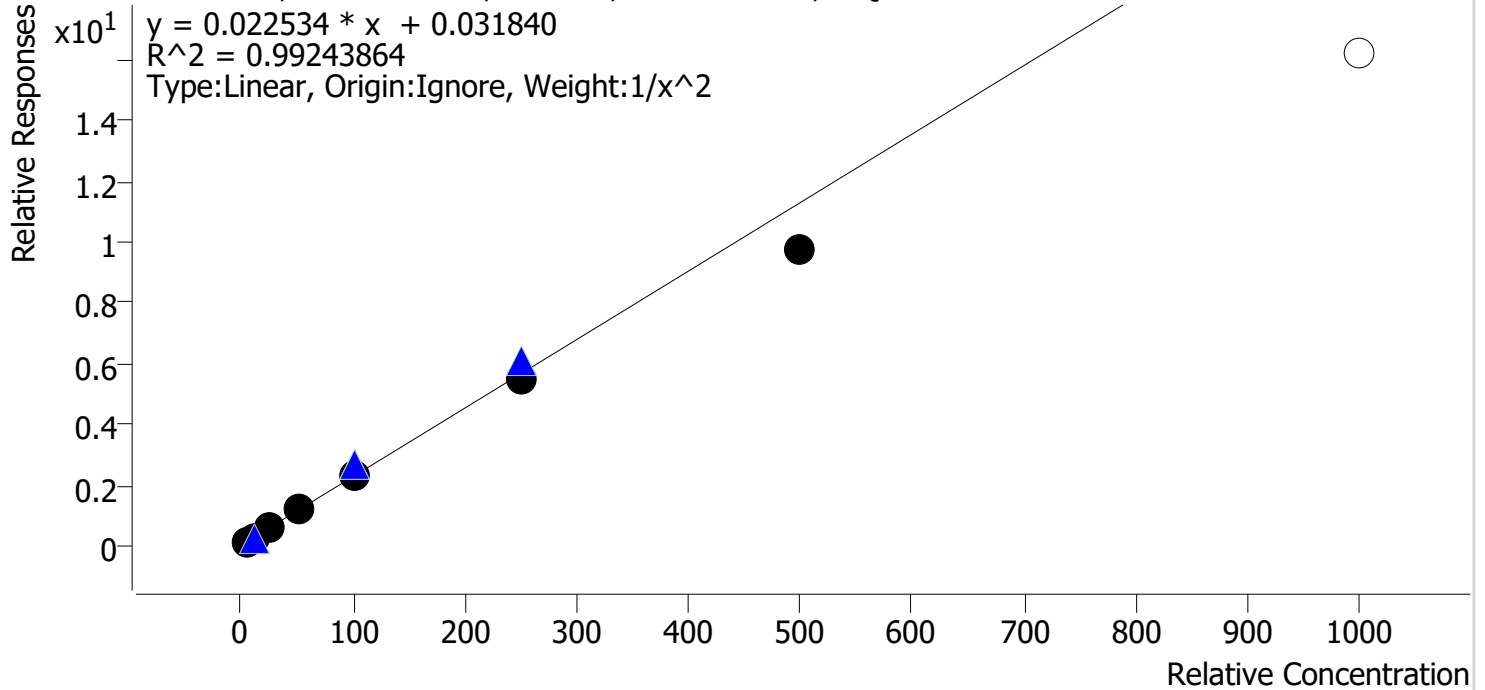


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.9	98.8
am 28 cal 2 mdq	2	✓	10.0	10.2	101.6
am 28 cal 3 mdq	3	✓	25.0	25.2	101.0
am 28 cal 4 mdq	4	✓	50.0	51.1	102.1
am 28 cal 5 mdq	5	✓	100.0	100.2	100.2
am28 cal 6 mdq	6	✓	250.0	244.4	97.7
am 28 cal 7 mdq	7	✓	500.0	525.4	105.1
am 28 cal 8 mdq	8	✓	1000.0	934.8	93.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

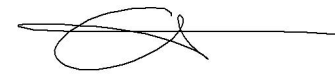


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	95.5
am 28 cal 2 mdq	2	✓	10.0	10.6	106.1
am 28 cal 3 mdq	3	✓	25.0	26.1	104.4
am 28 cal 4 mdq	4	✓	50.0	53.1	106.3
am 28 cal 5 mdq	5	✓	100.0	103.8	103.8
am28 cal 6 mdq	6	✓	250.0	244.7	97.9
am 28 cal 7 mdq	7	✓	500.0	430.8	86.2
am 28 cal 8 mdq	8	✗	1000.0	717.5	71.8

dropped cal 8 due to accuracy

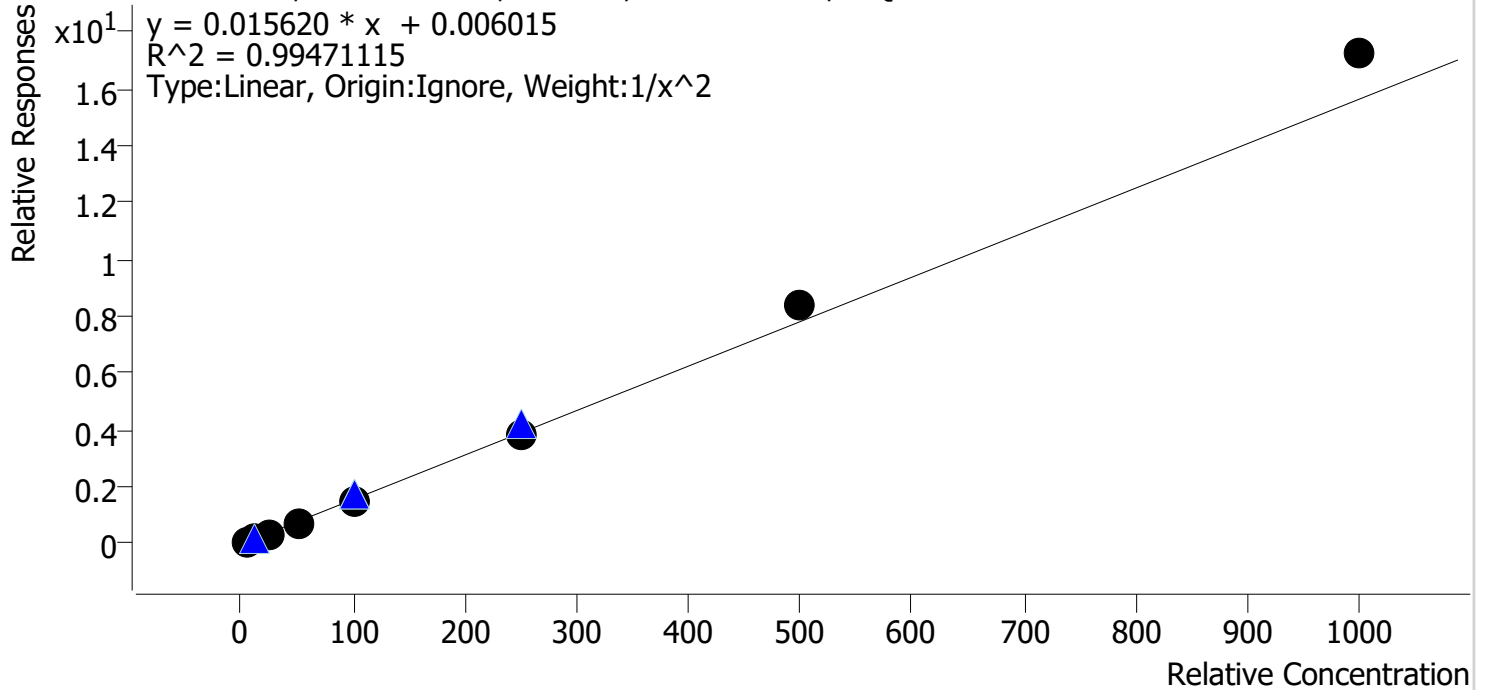
evaluated qualitatively due to accuracy of 100 ng control being out of range.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



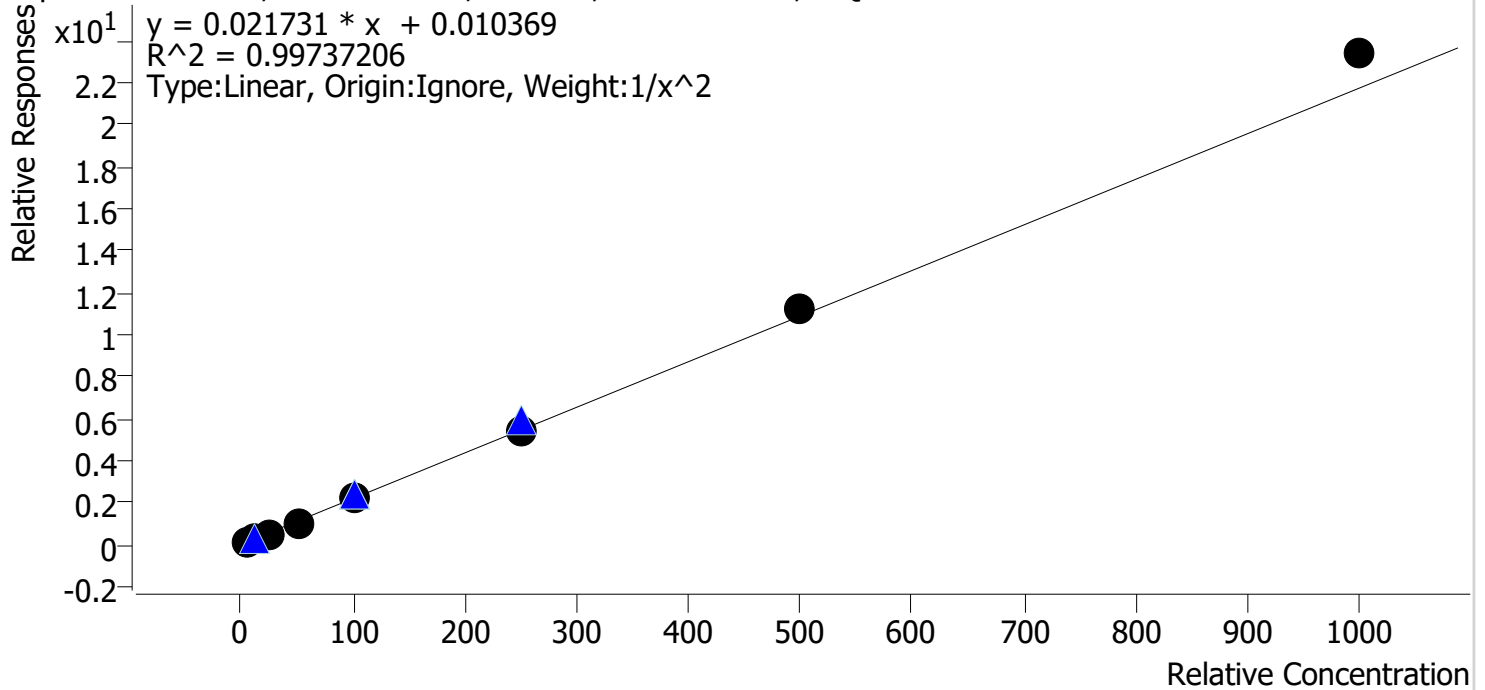
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.1	101.8
am 28 cal 2 mdq	2	✓	10.0	10.0	100.5
am 28 cal 3 mdq	3	✓	25.0	23.6	94.3
am 28 cal 4 mdq	4	✓	50.0	46.9	93.9
am 28 cal 5 mdq	5	✓	100.0	93.6	93.6
am28 cal 6 mdq	6	✓	250.0	245.7	98.3
am 28 cal 7 mdq	7	✓	500.0	537.7	107.5
am 28 cal 8 mdq	8	✓	1000.0	1102.6	110.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



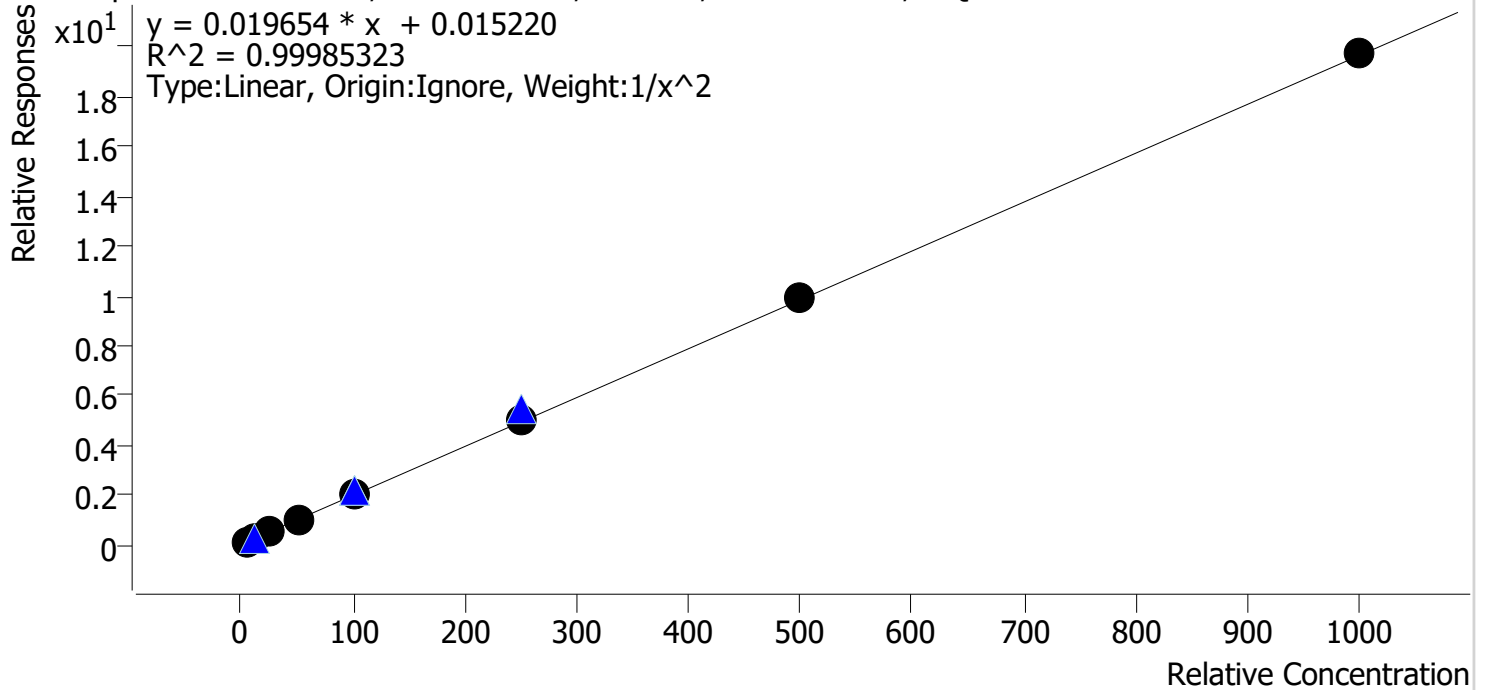
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.8
am 28 cal 2 mdq	2	✓	10.0	10.2	102.1
am 28 cal 3 mdq	3	✓	25.0	23.3	93.3
am 28 cal 4 mdq	4	✓	50.0	47.9	95.7
am 28 cal 5 mdq	5	✓	100.0	98.1	98.1
am28 cal 6 mdq	6	✓	250.0	248.5	99.4
am 28 cal 7 mdq	7	✓	500.0	515.2	103.0
am 28 cal 8 mdq	8	✓	1000.0	1075.8	107.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	5.0	100.2
am 28 cal 2 mdq	2	✓	10.0	10.1	100.6
am 28 cal 3 mdq	3	✓	25.0	24.5	98.2
am 28 cal 4 mdq	4	✓	50.0	49.6	99.1
am 28 cal 5 mdq	5	✓	100.0	99.6	99.6
am28 cal 6 mdq	6	✓	250.0	250.9	100.4
am 28 cal 7 mdq	7	✓	500.0	508.2	101.6
am 28 cal 8 mdq	8	✓	1000.0	1004.0	100.4

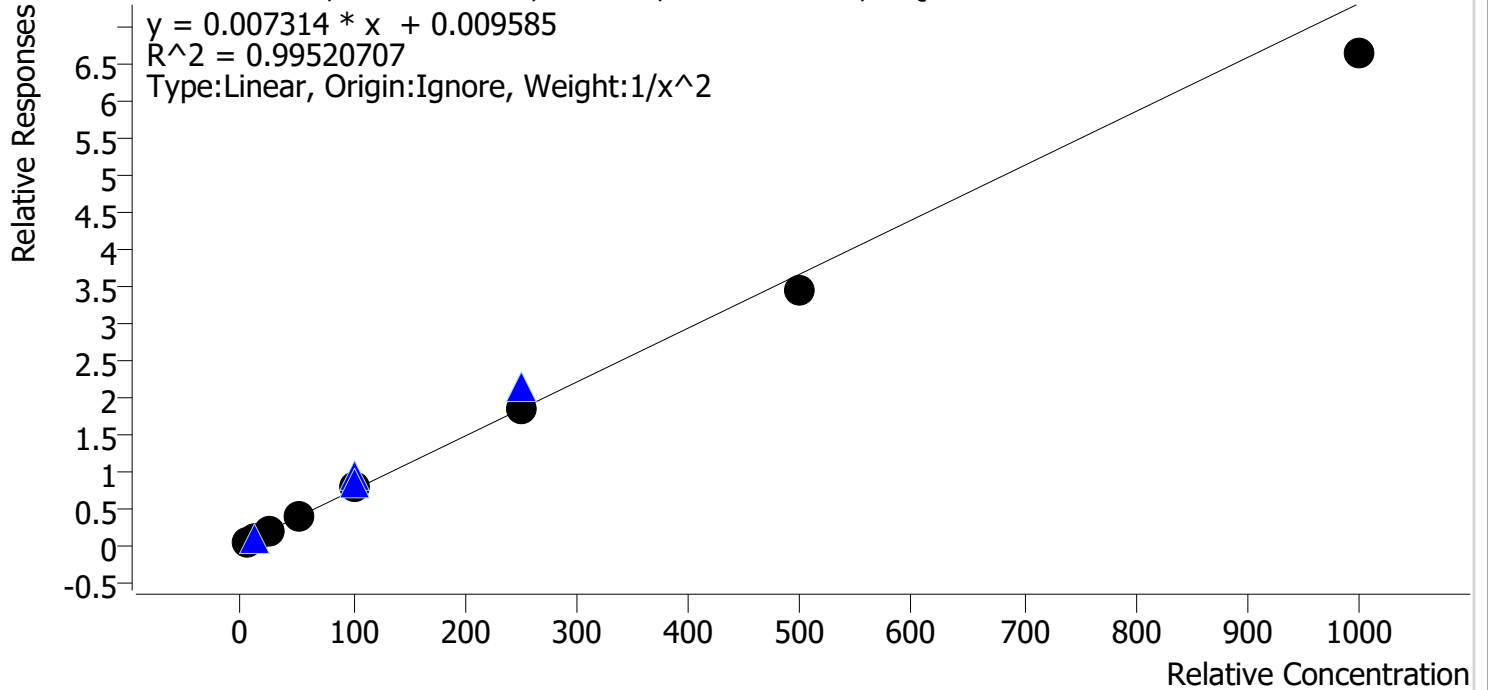
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Levetiracetam

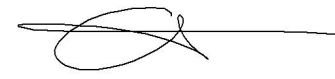
Internal Standard Phentermine-D5

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



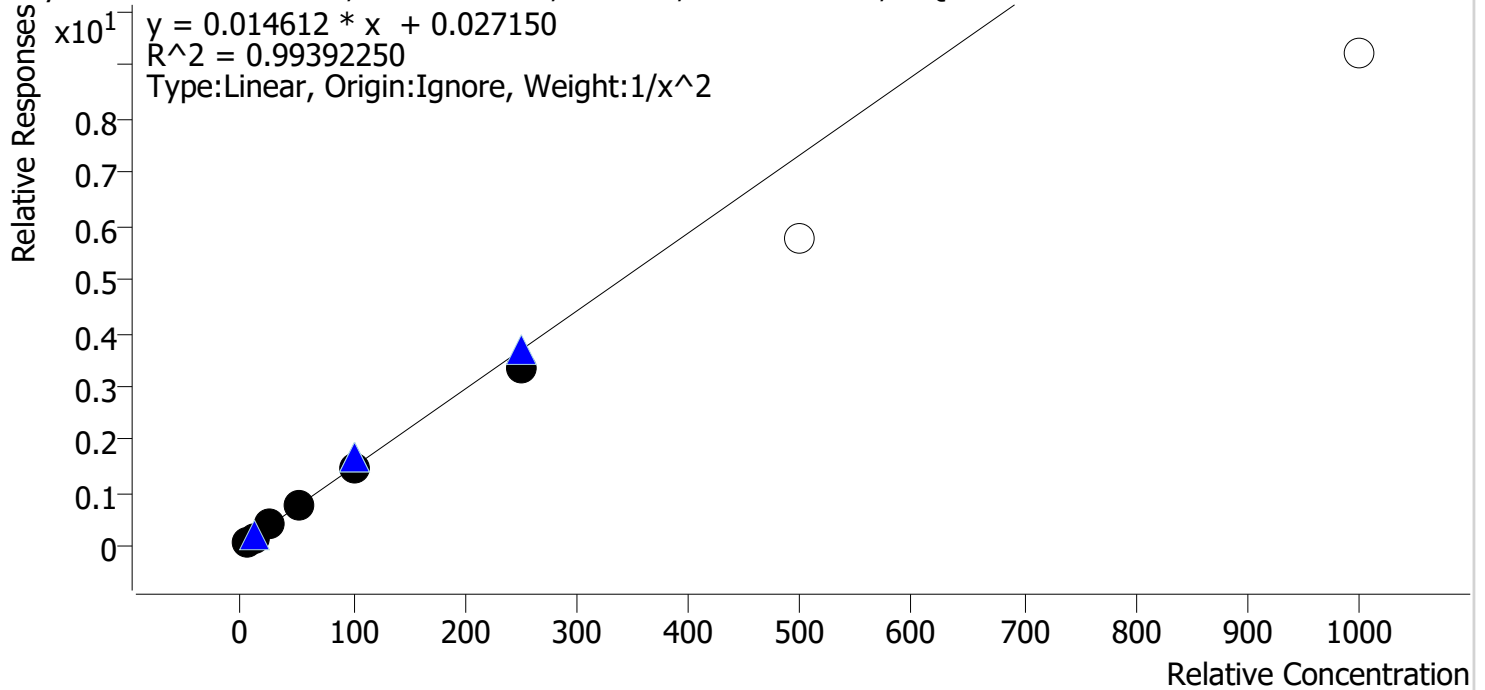
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.7	94.9
am 28 cal 2 mdq	2	✓	10.0	10.7	107.2
am 28 cal 3 mdq	3	✓	25.0	26.4	105.4
am 28 cal 4 mdq	4	✓	50.0	51.9	103.8
am 28 cal 5 mdq	5	✓	100.0	103.5	103.5
am28 cal 6 mdq	6	✓	250.0	250.5	100.2
am 28 cal 7 mdq	7	✓	500.0	471.1	94.2
am 28 cal 8 mdq	8	✓	1000.0	907.3	90.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Last Cal. Update 8/28/2021 10:42 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
am 28 cal 1 mdq	1	✓	5.0	4.8	96.8
am 28 cal 2 mdq	2	✓	10.0	10.4	103.5
am 28 cal 3 mdq	3	✓	25.0	26.4	105.5
am 28 cal 4 mdq	4	✓	50.0	53.3	106.6
am 28 cal 5 mdq	5	✓	100.0	97.5	97.5
am28 cal 6 mdq	6	✓	250.0	225.0	90.0
am 28 cal 7 mdq	7	✗	500.0	392.4	78.5
am 28 cal 8 mdq	8	✗	1000.0	629.3	62.9

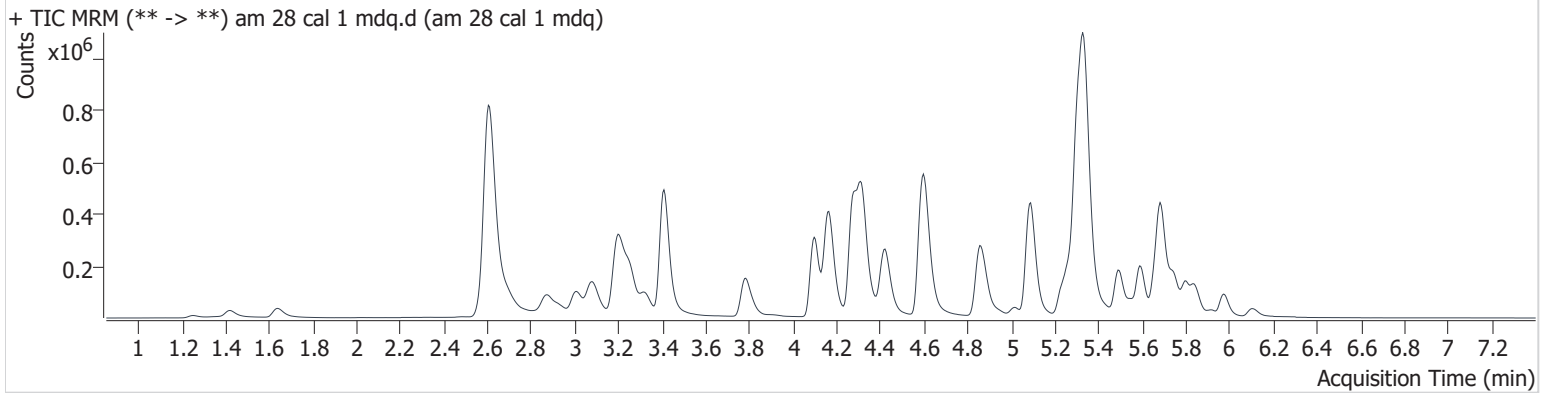
dropped cal 7 and 8 due to accuracy

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 cal 1 mdq.d
Type Cal **Sample** am 28 cal 1 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-A5 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 6:57:05 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	1148	∞	163.1	5758.7	61391	0.485 ng/ml
7-aminoclonazepam	4.339	10384	49244.9	69.8	11747.6	108570	5.172 ng/ml
a-hydroxyalprazolam	5.738	1620	1453.4	66.5	119.1	215830	4.501 ng/ml
alpha-PHP	5.018	71153	368245.3	39.1	996.4	682462	5.139 ng/ml
alpha-PVP	4.434	93999	126352.5	52.4	7856.2	701044	4.979 ng/ml
Alprazolam	5.806	36352	∞	92.2	6441.9	215830	4.988 ng/ml
Amphetamine	3.088	116931	∞	40.7	859.1	344250	4.785 ng/ml
Benzoylcegonine	3.926	1677	11279.2	55.8	45.0	10164	4.704 ng/ml
Buprenorphine	6.124	1671	180.3	18.8	111.8	99249	0.496 ng/ml
Bupropion	4.888	86193	300880.8	71.2	4181.1	682462	5.156 ng/ml
Carisoprodol	5.757	23831	48715.3	63.2	202.3	176830	4.953 ng/ml
Citalopram	5.269	59480	1902.8	41.8	61806.8	464833	4.958 ng/ml
Clonazepam	5.650	2677	686.4	42.0	1484.9	9112	4.857 ng/ml
Clonazepam	5.591	6538	∞	35.9	3793.1	215830	4.777 ng/ml
Cocaine	4.317	70856	810814.5	51.2	7978222.4	1002306	5.011 ng/ml
Codeine	2.679	9633	2338574.6	85.7	41471.9	75771	5.236 ng/ml
Cyclobenzaprine	5.662	33718	130558.6	9.3	∞	195438	5.132 ng/ml
Dextromethorphan	5.318	40347	∞	71.9	5247826069 416.0	345943	5.023 ng/ml
Dextrorphan	4.164	57822	∞	46.7	45193.4	587765	4.971 ng/ml
Diazepam	5.979	22486	7951.3	84.3	11710.9	197551	4.989 ng/ml
Dihydrocodeine	2.613	25092	23761.4	60.9	611.4	256401	4.839 ng/ml
Diphenhydramine	5.344	195032	21261.2	31.2	273683.1	1765635	5.103 ng/ml
Doxylamine	4.613	233388	250707.3	82.3	∞	1633480	4.974 ng/ml
EDDP	5.307	82765	69230.6	42.1	∞	762893	5.024 ng/ml
Etizolam	5.841	18617	42045.6	27.3	6865.5	215830	5.103 ng/ml
Fentanyl	5.248	4267	∞	124.6	8975.2	382601	0.486 ng/ml
Flualprazolam	5.738	13919	∞	99.4	∞	215830	4.885 ng/ml
Fluoxetine	5.739	18540	∞	7.8	2289.3	128282	5.039 ng/ml
Hydrocodone	3.100	25528	∞	35.8	671.0	245106	4.825 ng/ml
Hydromorphone	1.653	16825	∞	70.9	∞	110775	5.029 ng/ml
Ketamine	4.186	61947	∞	40.8	2814.9	548922	4.982 ng/ml
Lamotrigine	4.381	5554	∞	88.9	1037.3	206448	5.048 ng/ml

AM #28 Multi-Drug Quant. Results

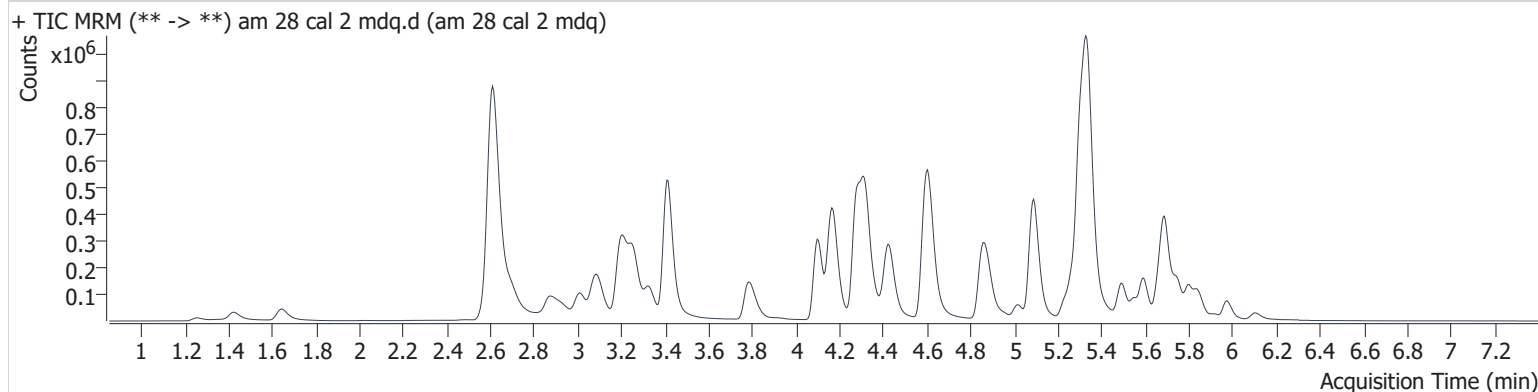
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.697	22116	2413.0	229.7	2592.9	499497	4.743 ng/ml
Lorazepam	5.780	2242	∞	48.3	24.6	20045	4.872 ng/ml
MDA	3.235	61352	2095.9	26.5	2068.5	307003	4.909 ng/ml
MDMA	3.328	65901	∞	88.0	2257.4	119500	4.992 ng/ml
Meprobamate	4.967	5312	∞	34.8	482.5	30852	4.899 ng/ml
Methadone	5.686	93645	115179.8	52.6	∞	736783	5.100 ng/ml
Methamphetamine	3.262	206073	5167.5	40.7	743.6	922585	4.647 ng/ml
Metoprolol	4.370	18025	68290.1	99.1	∞	307003	4.965 ng/ml
Mirtazapine	4.851	139592	581685.1	48.6	∞	736783	4.966 ng/ml
Mitragynine	5.377	21284	29222.3	29.9	116449.1	525709	5.132 ng/ml
Morphine	1.261	3749	3063.5	14.0	842.9	8632	5.200 ng/ml
Norbuprenorphine	5.045	156	764.1	70.7 Low	6174761117 26.8	11418	0.841 ng/ml
Nordiazepam	5.923	6979	∞	61.3	41886.7	38978	4.950 ng/ml
Norfentanyl	4.124	4236	227.1	46.0	12041.1	973995	0.480 ng/ml
Norhydrocodone	3.111	1669	159.6	25.7	∞	63907	5.018 ng/ml
Noroxycodone	2.956	14753	∞	45.6	∞	91823	5.010 ng/ml
O-desmethyl-tramadol	3.414	158629	899502.9	6.0	1446.1	1405196	5.021 ng/ml
Oxazepam	5.792	2753	277.2	74.6	∞	20045	5.140 ng/ml
Oxycodone	2.904	47486	∞	30.2	∞	330588	4.940 ng/ml
Oxymorphone	1.424	17489	∞	43.8	∞	109768	4.938 ng/ml
Promethazine	5.594	48606	470952.3	43.7	∞	443304	5.108 ng/ml
Pseudoephedrine	2.615	323034	7763.2	24.7	∞	2842661	5.008 ng/ml
Quetiapine	5.695	105584	∞	64.2	206244.8	279905	4.801 ng/ml
Sertraline	5.807	4189	∞	92.8	5282.4	28563	4.984 ng/ml
Temazepam	5.849	23793	2116.5	27.9	42.4	206448	5.167 ng/ml
Tramadol	4.288	155081	10097.3	3.6	186.2	1331171	4.941 ng/ml
Trazodone	5.549	73276	1982000.8	82.2	4192.1	525709	4.773 ng/ml
Venlafaxine	5.089	112958	∞	37.6	49650.8	1321287	5.088 ng/ml
Zolpidem	5.332	155465	354996.0	33.1	126057.6	1297072	5.038 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 cal 2 mdq.d
Type Cal **Sample** am 28 cal 2 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-B5 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 7:06:07 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.206	2386	∞	140.7	∞	62373	1.037 ng/ml
7-aminoclonazepam	4.339	11619	21328.7	74.8	∞	67739	9.550 ng/ml
a-hydroxyalprazolam	5.733	2846	349.3	62.0	1364.0	172422	11.210 ng/ml
alpha-PHP	5.018	119261	∞	39.2	3730.1	621273	9.698 ng/ml
alpha-PVP	4.439	171590	734491.0	53.7	5391.6	678369	10.068 ng/ml
Alprazolam	5.806	53828	3682.5	86.4	∞	172422	9.998 ng/ml
Amphetamine	3.088	209851	∞	41.1	1536.3	342073	10.508 ng/ml
Benzoylcegonine	3.936	3004	9769.0	57.9	1102.9	8454	11.265 ng/ml
Buprenorphine	6.124	2491	141.8	15.7	296.4	78530	1.037 ng/ml
Bupropion	4.888	149624	∞	68.7	4542.5	621273	9.816 ng/ml
Carisoprodol	5.757	40482	∞	54.3	1604.9	150592	10.437 ng/ml
Citalopram	5.274	95567	∞	39.4	∞	389040	10.324 ng/ml
Clonazepam	5.650	3981	1221.3	33.5	1382.6	7310	10.020 ng/ml
Clonazepam	5.596	10299	28002.4	39.4	6601.9	172422	10.412 ng/ml
Cocaine	4.317	125277	∞	51.2	∞	958441	10.073 ng/ml
Codeine	2.679	17777	48865.0	90.1	40664.2	72922	9.674 ng/ml
Cyclobenzaprine	5.662	38341	32353.7	8.2	2806.8	128234	9.600 ng/ml
Dextromethorphan	5.318	57137	5141.0	72.4	36554.4	265770	10.032 ng/ml
Dextrophan	4.164	104039	∞	45.8	371662.0	545591	10.199 ng/ml
Diazepam	5.979	29625	4800.0	85.8	∞	138049	10.074 ng/ml
Dihydrocodeine	2.618	46621	1465.6	57.8	472.0	261259	10.355 ng/ml
Diphenhydramine	5.344	300088	25958.9	30.5	314951.7	1466089	9.892 ng/ml
Doxylamine	4.613	396241	64852.0	80.5	64429.1	1459560	10.176 ng/ml
EDDP	5.301	151741	∞	42.0	97452.1	755001	9.994 ng/ml
Etizolam	5.841	26901	60313.6	25.0	40056.1	172422	9.585 ng/ml
Fentanyl	5.253	5501	1298.0	122.0	∞	250854	1.064 ng/ml
Flualprazolam	5.738	20395	∞	101.3	4278.1	172422	9.859 ng/ml
Fluoxetine	5.739	21341	44499.9	6.5	∞	78197	10.049 ng/ml
Hydrocodone	3.105	48058	∞	35.6	∞	245647	10.478 ng/ml
Hydromorphone	1.653	33570	∞	74.6	∞	114501	9.847 ng/ml
Ketamine	4.186	114818	∞	38.1	631.1	535641	10.136 ng/ml
Lamotrigine	4.381	8711	∞	96.4	33426.8	162372	9.878 ng/ml
Levetiracetam	2.702	42347	1786.8	225.1	4453.2	481370	10.718 ng/ml

AM #28 Multi-Drug Quant. Results

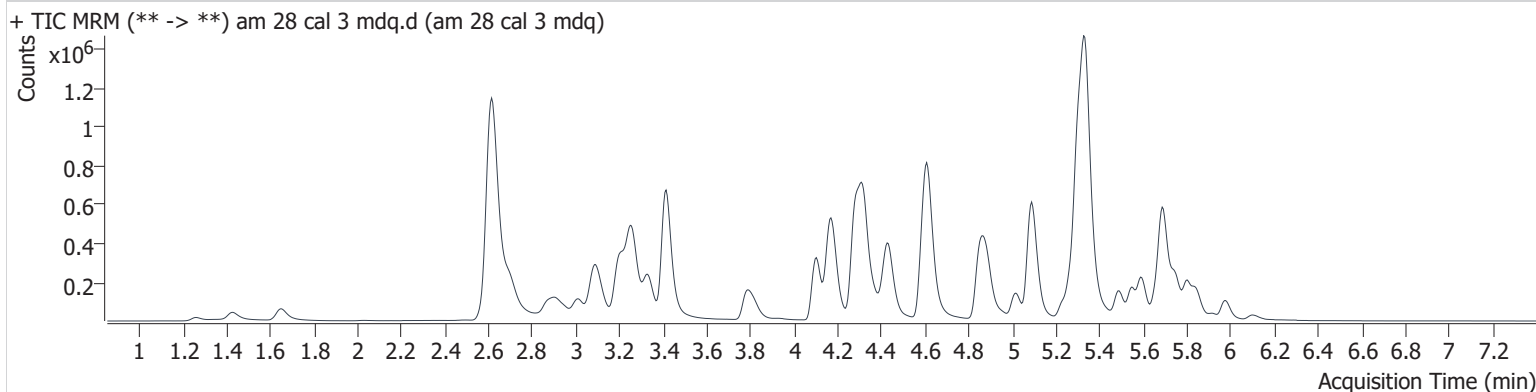
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	3445	∞	49.1	16.3	16851	10.231 ng/ml
	3.240	106626	∞	27.2	978.3	302821	10.072 ng/ml
MDMA	3.333	117601	∞	90.0	4940.7	115485	10.115 ng/ml
Meprobamate	4.967	10161	42522.6	29.3	203.5	31145	10.282 ng/ml
Methadone	5.686	131742	95126.3	52.6	319096.1	564815	9.852 ng/ml
Methamphetamine	3.262	311618	∞	38.8	7749.6	901018	10.874 ng/ml
Metoprolol	4.370	33106	241687.4	96.9	∞	302821	10.064 ng/ml
Mirtazapine	4.851	211877	250039.8	48.3	377709.1	564815	10.579 ng/ml
Mitragynine	5.377	25776	∞	29.9	70420.7	389330	9.301 ng/ml
Morphine	1.266	6754	4286.3	17.9	∞	9391	9.249 ng/ml
Nordiazepam	5.928	8489	∞	65.8	85839.5	25642	10.355 ng/ml
Norfentanyl	4.124	8365	∞	37.6	∞	962595	1.051 ng/ml
Norhydrocodone	3.111	3066	5411.6	24.4	297.4	66552	9.812 ng/ml
Noroxycodone	2.956	28279	∞	47.6	∞	93057	9.987 ng/ml
O-desmethyl-tramadol	3.419	288974	76392.7	6.2	30912.1	1390431	10.049 ng/ml
Oxazepam	5.792	3950	152.7	81.8	41.7	16851	9.500 ng/ml
Oxycodone	2.904	88895	∞	29.4	∞	331577	10.162 ng/ml
Oxymorphone	1.429	32541	∞	43.4	∞	108723	10.183 ng/ml
Promethazine	5.594	60347	∞	40.1	1245.4	293899	9.829 ng/ml
Pseudoephedrine	2.621	592072	28185.1	24.2	∞	2780432	10.060 ng/ml
Quetiapine	5.695	150960	∞	63.7	236746.8	214264	10.409 ng/ml
Sertraline	5.807	5418	1517.6	109.4	∞	19950	9.935 ng/ml
Temazepam	5.849	32907	12878.5	26.8	93.3	162372	9.467 ng/ml
Tramadol	4.293	275397	4850.4	3.6	357.5	1274229	10.159 ng/ml
Trazodone	5.549	105451	718380.5	82.0	∞	389330	10.607 ng/ml
Venlafaxine	5.089	202302	∞	38.2	1938.4	1241755	10.045 ng/ml
Zolpidem	5.332	273324	1235977.6	30.7	24129.2	1177026	10.209 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 cal 3 mdq.d
Type Cal **Sample** am 28 cal 3 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-C5 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 7:15:09 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	5687	∞	136.6	∞	60045	2.630 ng/ml
7-aminoclonazepam	4.339	27399	∞	70.5	1761.0	64049	24.335 ng/ml
a-hydroxyalprazolam	5.733	7029	237.3	57.5	173.8	175150	28.812 ng/ml
alpha-PHP	5.018	307314	∞	39.9	12364.8	650881	24.263 ng/ml
alpha-PVP	4.439	420163	18656.6	52.5	78894.8	697949	25.015 ng/ml
Alprazolam	5.807	132687	∞	87.2	19163.5	175150	25.518 ng/ml
Amphetamine	3.093	486697	159692.0	40.9	8941.8	347636	26.951 ng/ml
Benzoylcegonine	3.937	6185	116434.1	56.1	306.7	8053	25.488 ng/ml
Buprenorphine	6.124	5151	259.3	19.1	619.9	76393	2.335 ng/ml
Bupropion	4.888	373335	67614.5	69.0	17357.2	650881	23.352 ng/ml
Carisoprodol	5.757	98652	∞	55.9	2209.8	164957	23.908 ng/ml
Citalopram	5.274	228023	17168.4	41.8	135345.5	416226	24.104 ng/ml
Clonazepam	5.650	11093	1116.3	35.0	1670.6	8038	27.218 ng/ml
Clonazolam	5.591	25763	290493.9	44.3	10464.2	175150	27.135 ng/ml
Cocaine	4.322	295578	2510523.9	51.4	1252205.0	981188	24.455 ng/ml
Codeine	2.679	40620	∞	92.6	∞	70667	22.268 ng/ml
Cyclobenzaprine	5.662	85038	77295.1	9.4	6418.9	121998	23.663 ng/ml
Dextromethorphan	5.318	136193	105568.9	75.7	∞	276258	24.189 ng/ml
Dextrophan	4.169	243003	∞	45.0	3793821.1	545846	24.613 ng/ml
Diazepam	5.979	74838	2918.6	84.6	97036.7	148606	24.659 ng/ml
Dihydrocodeine	2.618	106350	3110.4	57.2	832.3	257716	26.384 ng/ml
Diphenhydramine	5.344	719823	83051.5	30.6	22567.0	1527114	23.446 ng/ml
Doxylamine	4.613	904160	154638.9	83.1	∞	1459012	24.260 ng/ml
EDDP	5.302	383638	∞	43.5	∞	810038	24.644 ng/ml
Etizolam	5.841	69939	∞	23.3	23226.2	175150	25.217 ng/ml
Fentanyl	5.253	13185	25728.7	121.9	21236.5	280623	2.408 ng/ml
Flualprazolam	5.738	54317	3486.7	92.4	338894.7	175150	27.597 ng/ml
Fluoxetine	5.739	46465	94804.8	7.3	7033.8	73853	23.950 ng/ml
Hydrocodone	3.105	109605	∞	34.4	∞	251686	25.297 ng/ml
Hydromorphone	1.658	75926	∞	73.4	∞	102847	25.022 ng/ml
Ketamine	4.186	269092	∞	39.1	903.7	539302	24.587 ng/ml
Lamotrigine	4.381	21704	26300.1	93.0	∞	161758	24.419 ng/ml
Levetiracetam	2.702	101279	2311.3	223.9	4050.3	500437	26.361 ng/ml

AM #28 Multi-Drug Quant. Results

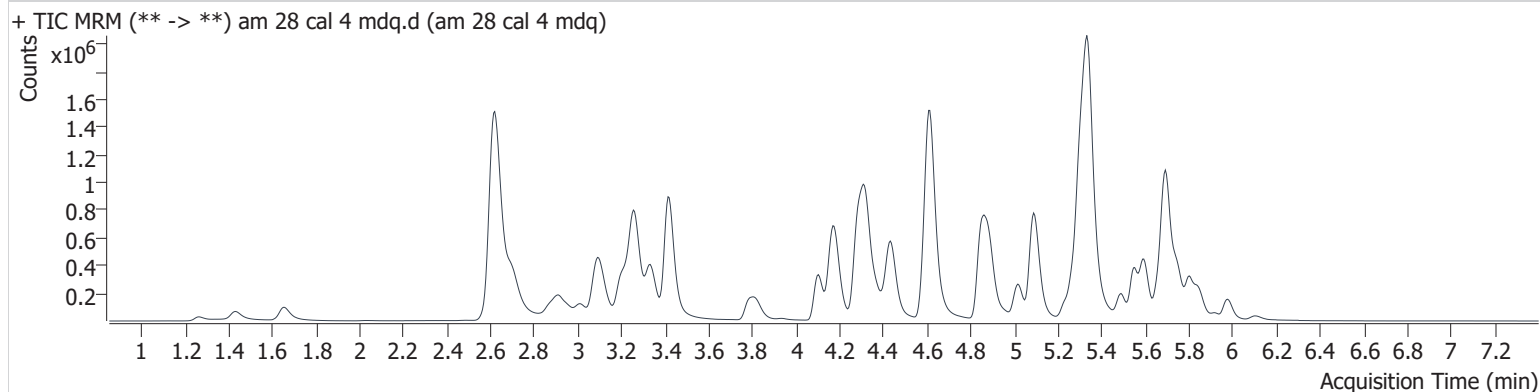
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	8320	∞	52.4	1991.6	19059	23.666 ng/ml
MDA	3.240	251294	119782.5	27.3	1513.3	306674	25.918 ng/ml
MDMA	3.333	282149	∞	90.4	9393.1	122299	24.257 ng/ml
Meprobamate	4.961	24951	38503.2	29.1	406.5	33051	25.263 ng/ml
Methadone	5.686	338787	3973611.8	52.9	4582.9	617866	23.958 ng/ml
Methamphetamine	3.262	635987	∞	39.5	2891.0	945772	27.477 ng/ml
Metoprolol	4.370	77766	178652.9	100.3	∞	306674	24.598 ng/ml
Mirtazapine	4.851	467647	1066334.7	47.9	∞	617866	22.121 ng/ml
Mitragynine	5.377	67553	179405.6	31.0	91695.6	406651	25.499 ng/ml
Morphine	1.266	16028	∞	15.6	7523.5	8838	24.807 ng/ml
Norbuprenorphine	5.050	457	437.0	84.1	1613.1	10294	2.529 ng/ml
Nordiazepam	5.923	19613	∞	65.1	19550.0	27681	23.781 ng/ml
Norfentanyl	4.124	20509	4667.4	36.9	∞	1003156	2.596 ng/ml
Norhydrocodone	3.111	7531	254.9	25.6	5379568180 43.5	70316	24.482 ng/ml
Noroxycodone	2.956	69374	∞	45.4	∞	95331	24.716 ng/ml
O-desmethyl-tramadol	3.419	681757	∞	6.2	123428.4	1434742	24.205 ng/ml
Oxazepam	5.787	10946	888.0	73.4	75.7	19059	24.770 ng/ml
Oxycodone	2.904	209376	∞	28.7	∞	334349	25.188 ng/ml
Oxymorphone	1.429	74180	∞	42.9	∞	106458	25.075 ng/ml
Promethazine	5.594	144316	99791.6	38.4	2622.3	292704	24.025 ng/ml
Pseudoephedrine	2.621	1422815	11953.5	24.4	5210.9	2860012	24.538 ng/ml
Quetiapine	5.700	321422	1311978.6	62.4	6730228.9	197005	26.289 ng/ml
Sertraline	5.807	13045	172645.5	87.8	252471.5	19478	25.716 ng/ml
Temazepam	5.849	82322	2147.8	27.9	470.6	161758	24.533 ng/ml
Tramadol	4.293	672587	132174.9	3.6	810.7	1333851	25.249 ng/ml
Trazodone	5.544	252062	∞	80.6	∞	406651	26.095 ng/ml
Venlafaxine	5.089	502415	∞	37.8	99084.0	1343107	23.564 ng/ml
Zolpidem	5.327	644809	∞	30.9	348595.7	1246809	23.321 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 cal 4 mdq.d
Type Cal **Sample** am 28 cal 4 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-D5 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 7:24:11 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.206	10749	150317.9	140.0	∞	59570	5.048 ng/ml
7-aminoclonazepam	4.339	73897	6194.4	74.0	247461.2	88395	47.888 ng/ml
a-hydroxyalprazolam	5.738	13112	932.7	55.8	657.6	173521	55.219 ng/ml
alpha-PHP	5.018	581252	∞	39.7	∞	624804	48.080 ng/ml
alpha-PVP	4.439	805210	74941.0	53.3	23457.8	675697	50.264 ng/ml
Alprazolam	5.806	247185	5353.6	89.0	∞	173521	48.761 ng/ml
Amphetamine	3.093	880816	23714.3	41.9	∞	334789	52.683 ng/ml
Benzoylcegonine	3.936	11877	141244.7	56.0	1038.2	8445	47.485 ng/ml
Buprenorphine	6.124	12018	892.5	19.0	1194.1	83534	5.112 ng/ml
Bupropion	4.888	721011	∞	68.7	130508.9	624804	46.961 ng/ml
Carisoprodol	5.757	175767	279376.9	59.0	6764.2	147397	48.230 ng/ml
Citalopram	5.274	473064	13794.9	41.0	∞	425211	49.855 ng/ml
Clonazepam	5.650	21001	2659.4	31.8	1513.7	7768	54.463 ng/ml
Clonazepam	5.596	47495	∞	38.6	14995.3	173521	51.375 ng/ml
Cocaine	4.322	602556	1275233.1	49.6	31968804.6	1009789	49.374 ng/ml
Codeine	2.684	79056	∞	90.8	∞	66682	45.504 ng/ml
Cyclobenzaprine	5.662	271090	6993.4	8.7	∞	184984	50.810 ng/ml
Dextromethorphan	5.318	298782	7491846.9	75.7	10736.7	300197	49.767 ng/ml
Dextrophan	4.169	462718	2134037.0	45.6	14404.6	522320	49.574 ng/ml
Diazepam	5.979	150438	∞	85.2	11123.5	147081	50.860 ng/ml
Dihydrocodeine	2.618	205373	5384.8	58.4	1003.0	254835	53.296 ng/ml
Diphenhydramine	5.344	1481091	1073603.1	30.8	193398.3	1535770	48.506 ng/ml
Doxylamine	4.613	2182984	9539905.4	82.0	∞	1721832	50.474 ng/ml
EDDP	5.307	741046	∞	42.9	598894.6	785590	49.884 ng/ml
Etizolam	5.841	134831	∞	22.4	∞	173521	49.486 ng/ml
Fentanyl	5.248	36961	∞	120.1	∞	375243	5.172 ng/ml
Flualprazolam	5.738	102996	8404.2	94.6	20837.2	173521	53.807 ng/ml
Fluoxetine	5.739	138523	552637.7	7.3	15967.3	108135	49.386 ng/ml
Hydrocodone	3.110	220093	∞	36.7	∞	244140	54.091 ng/ml
Hydromorphone	1.658	163526	∞	63.0	∞	110781	50.181 ng/ml
Ketamine	4.186	516990	∞	38.9	1806.4	516522	50.073 ng/ml
Lamotrigine	4.386	43776	7140.4	88.7	∞	146007	54.330 ng/ml
Levetiracetam	2.707	187220	15026.4	226.5	18275.7	480922	51.917 ng/ml

AM #28 Multi-Drug Quant. Results

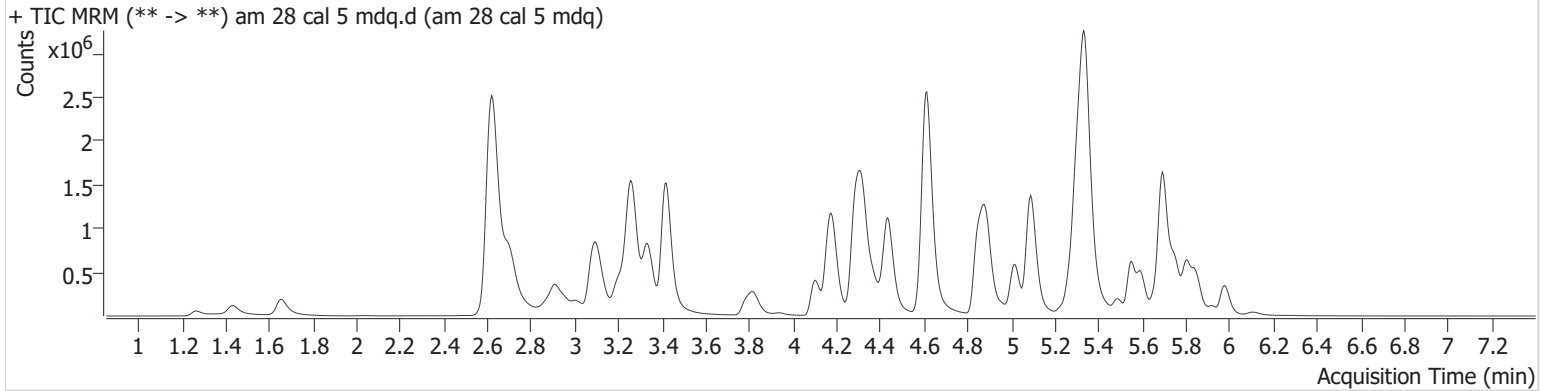
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.785	15495	∞	51.5	∞	17351	50.091 ng/ml
MDA	3.240	471609	22855.3	27.3	∞	287534	53.750 ng/ml
MDMA	3.338	548897	181591.3	89.5	30383.1	117226	50.324 ng/ml
Meprobamate	4.967	46452	81008.0	27.2	2372.0	30913	51.391 ng/ml
Methadone	5.686	750419	481769.6	52.7	∞	687039	48.311 ng/ml
Methamphetamine	3.267	1103655	∞	40.0	∞	925978	53.883 ng/ml
Metoprolol	4.370	150292	775695.0	97.7	∞	287534	51.711 ng/ml
Mirtazapine	4.846	1219983	124755.6	47.6	535092.8	687039	52.924 ng/ml
Mitragynine	5.377	164990	279403.0	30.0	678622.1	493015	52.821 ng/ml
Morphine	1.266	32681	∞	18.0	∞	9386	48.526 ng/ml
Norbuprenorphine	5.050	965	∞	109.4	8485.7	10809	5.004 ng/ml
Nordiazepam	5.928	42445	51138.2	58.0	∞	28716	51.149 ng/ml
Norfentanyl	4.124	40920	10633.5	37.7	∞	1005412	5.259 ng/ml
Norhydrocodone	3.116	16572	∞	24.9	650.5	72760	53.485 ng/ml
Noroxycodone	2.961	136729	∞	45.4	∞	92705	50.683 ng/ml
O-desmethyl-tramadol	3.419	1356701	∞	5.7	24573.3	1414075	49.846 ng/ml
Oxazepam	5.792	19378	2252.7	77.8	331.9	17351	49.141 ng/ml
Oxycodone	2.909	424255	∞	29.5	∞	344394	50.602 ng/ml
Oxymorphone	1.434	153182	∞	43.1	∞	110040	51.123 ng/ml
Promethazine	5.599	415121	770349.6	38.6	4943.3	423039	48.116 ng/ml
Pseudoephedrine	2.626	2724874	∞	24.4	∞	2754241	49.564 ng/ml
Quetiapine	5.700	810304	∞	63.8	∞	251901	53.445 ng/ml
Sertraline	5.812	27640	150810.5	97.7	∞	21375	50.423 ng/ml
Temazepam	5.849	146021	12437.8	30.7	530.4	146007	48.697 ng/ml
Tramadol	4.293	1290148	130215.6	3.5	804.3	1293893	51.062 ng/ml
Trazodone	5.549	606098	∞	80.3	∞	493015	53.144 ng/ml
Venlafaxine	5.094	937689	1541551.8	39.4	4548.7	1268290	46.949 ng/ml
Zolpidem	5.332	1249786	∞	30.4	∞	1189966	47.853 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 Data File am 28 cal 5 mdq.d
Type Cal Sample am 28 cal 5 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P1-E5 Comment
Injection Volume 3
Acq. Date-Time 8/27/2021 7:33:14 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.206	24233	∞	133.0	∞	68796	9.893 ng/ml
7-aminoclonazepam	4.339	114676	∞	73.6	∞	69710	94.569 ng/ml
a-hydroxyalprazolam	5.733	29882	825.6	59.9	1302.9	216630	101.697 ng/ml
alpha-PHP	5.018	1330124	109966.2	40.7	107441.7	740375	93.112 ng/ml
alpha-PVP	4.439	1885362	724417.9	52.9	128306.2	797816	100.427 ng/ml
Alprazolam	5.806	636536	11121.3	87.7	13824.1	216630	101.515 ng/ml
Amphetamine	3.088	1894667	164783.3	39.6	20004.5	394620	98.052 ng/ml
Benzoylcegonine	3.937	32414	77135.0	55.1	2273.3	11825	93.489 ng/ml
Buprenorphine	6.124	24185	2738.8	18.1	6664.3	87213	9.960 ng/ml
Bupropion	4.888	1679409	∞	67.9	240567.5	740375	92.291 ng/ml
Carisoprodol	5.757	439962	3992803.1	55.6	10065.6	181004	98.892 ng/ml
Citalopram	5.274	887236	15159.8	40.6	565932.0	408615	98.136 ng/ml
Clonazepam	5.655	52274	3465.7	38.2	9304.5	10897	97.561 ng/ml
Clonazepam	5.596	126135	21522.9	39.4	167356.1	216630	110.439 ng/ml
Cocaine	4.322	1308120	∞	49.7	12052406.5	1097970	99.527 ng/ml
Codeine	2.684	168904	∞	89.0	18035.5	66180	97.498 ng/ml
Cyclobenzaprine	5.662	304472	391777.3	8.6	∞	102390	104.090 ng/ml
Dextromethorphan	5.313	468543	20396.5	74.6	894259.2	232852	101.550 ng/ml
Dextrophan	4.164	1069285	345042.4	44.0	54556.1	607993	99.008 ng/ml
Diazepam	5.979	411549	21974.3	87.1	10464.6	209101	98.567 ng/ml
Dihydrocodeine	2.618	427708	6718.4	59.5	1558.9	294524	97.527 ng/ml
Diphenhydramine	5.344	2797620	1548262.8	30.4	58827.9	1434796	98.593 ng/ml
Doxylamine	4.613	4241184	283952.2	80.7	1109587.9	1675162	101.596 ng/ml
EDDP	5.302	1684286	3487695.8	43.2	2542908.4	926424	96.892 ng/ml
Etizolam	5.841	330628	∞	23.6	267220.7	216630	97.623 ng/ml
Fentanyl	5.248	47974	∞	124.5	52598.5	251578	10.118 ng/ml
Flualprazolam	5.738	248696	8487.2	94.4	24786.3	216630	105.076 ng/ml
Fluoxetine	5.739	163869	61530.8	7.2	38517.4	65115	97.600 ng/ml
Hydrocodone	3.105	487369	∞	37.7	∞	288526	102.758 ng/ml
Hydromorphone	1.658	368996	∞	73.5	∞	121793	103.152 ng/ml
Ketamine	4.186	1151473	∞	38.8	∞	584396	99.298 ng/ml
Lamotrigine	4.381	89747	37823.6	86.9	57839.2	199456	81.440 ng/ml
Levetiracetam	2.707	439467	24087.6	226.9	168772.4	573147	103.527 ng/ml

AM #28 Multi-Drug Quant. Results

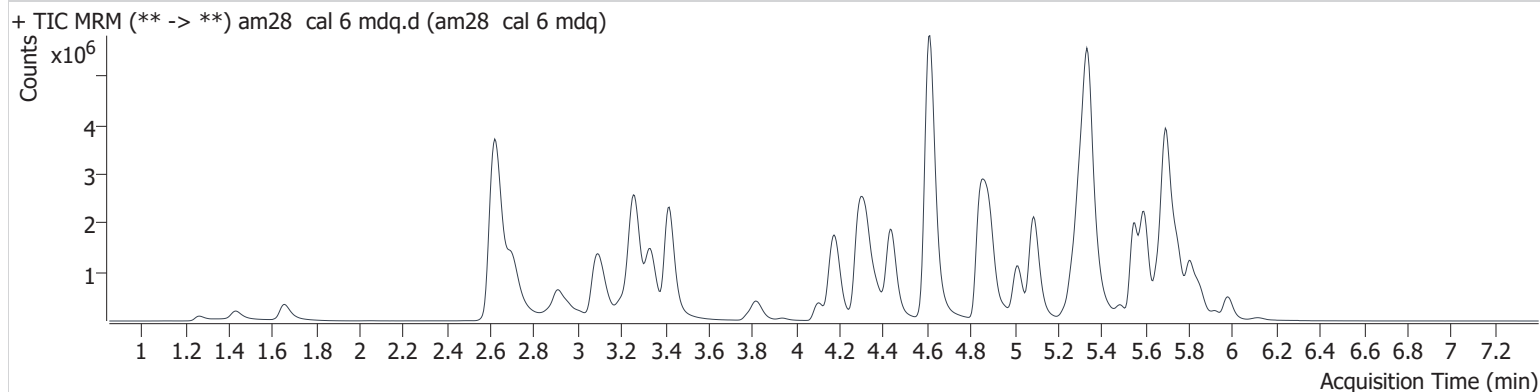
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	38126	∞	43.1	∞	21640	100.383 ng/ml
MDA	3.240	934094	∞	26.9	2644747814 23383.0	303057	102.649 ng/ml
MDMA	3.338	1212307	∞	89.7	57214.0	129690	101.520 ng/ml
Meprobamate	4.967	119898	263838.5	30.2	3873.5	39888	103.918 ng/ml
Methadone	5.686	1362450	82037.2	51.5	∞	627855	96.562 ng/ml
Methamphetamine	3.267	2418789	96132.1	38.7	∞	1106518	104.418 ng/ml
Metoprolol	4.370	329673	2312573.2	97.2	∞	303057	108.648 ng/ml
Mirtazapine	4.846	1816204	101733.0	47.8	232732.8	627855	86.694 ng/ml
Mitragynine	5.377	252633	227637.7	29.1	∞	411570	98.079 ng/ml
Morphine	1.266	73395	∞	16.4	5946.0	10011	103.249 ng/ml
Norbuprenorphine	5.045	1608	2545.2	103.4	7158.3	9384	9.523 ng/ml
Nordiazepam	5.923	110443	∞	62.6	∞	38933	99.470 ng/ml
Norfentanyl	4.124	96452	8588.2	38.4	∞	1207047	10.414 ng/ml
Norhydrocodone	3.116	37855	1204.1	28.7	892.1	85179	105.556 ng/ml
Noroxycodone	2.961	300447	∞	44.7	∞	105125	98.750 ng/ml
O-desmethyl-tramadol	3.419	3111879	346103.3	6.1	58979.8	1639554	99.543 ng/ml
Oxazepam	5.787	48555	1505.7	74.0	330.6	21640	99.763 ng/ml
Oxycodone	2.909	966015	∞	28.8	∞	389865	102.880 ng/ml
Oxymorphone	1.434	324014	∞	43.1	∞	119373	100.662 ng/ml
Promethazine	5.594	481703	1765786.4	38.7	14365.4	249798	94.846 ng/ml
Pseudoephedrine	2.626	6017824	∞	24.2	328904.5	3051460	99.568 ng/ml
Quetiapine	5.700	1353457	∞	62.8	∞	215601	105.879 ng/ml
Sertraline	5.812	51349	80309.1	94.3	∞	20381	99.032 ng/ml
Temazepam	5.849	400363	∞	30.1	1129.8	199456	98.245 ng/ml
Tramadol	4.293	2978404	40969.3	3.5	4306.7	1539530	100.164 ng/ml
Trazodone	5.549	975469	∞	84.3	∞	411570	103.768 ng/ml
Venlafaxine	5.089	2213168	7576347.6	38.9	157018.6	1508385	93.551 ng/ml
Zolpidem	5.332	2803991	815733.1	29.6	38726608.7	1308314	98.146 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument	69679	Data File	am28 cal 6 mdq.d
Type	Cal	Sample	am28 cal 6 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P1-F5	Comment	
Injection Volume	3		
Acq. Date-Time	8/27/2021 7:42:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	47256	∞	136.1	∞	52902	25.154 ng/ml
7-aminoclonazepam	4.339	336584	2682482150 5997.6	76.1	282340.2	79174	244.939 ng/ml
a-hydroxyalprazolam	5.733	46591	∞	53.7	757.5	142009	243.380 ng/ml
alpha-PHP	5.018	2571578	127746.9	39.8	37895.1	556486	239.944 ng/ml
alpha-PVP	4.440	3579638	395943.4	53.1	89949.8	613484	249.088 ng/ml
Alprazolam	5.806	1027556	6725.3	89.0	15154.2	142009	251.275 ng/ml
Amphetamine	3.088	3247496	194138.8	41.3	490039.6	305380	219.988 ng/ml
Benzoylcegonine	3.936	62137	453343.0	56.3	2476.4	8352	255.418 ng/ml
Buprenorphine	6.124	59416	7270.1	17.7	6428.8	87466	24.566 ng/ml
Bupropion	4.888	3351039	2819206.6	67.1	∞	556486	244.978 ng/ml
Carisoprodol	5.762	644936	1546727.0	58.6	165937.0	106065	248.231 ng/ml
Citalopram	5.274	2139528	47060.0	41.6	526941.5	378599	256.818 ng/ml
Clonazepam	5.650	88175	30157.8	33.0	22399.9	7548	239.268 ng/ml
Clonazolam	5.596	191598	7915.9	39.0	45500.0	142009	257.252 ng/ml
Cocaine	4.322	2475067	205707.1	50.1	113681.6	850286	244.541 ng/ml
Codeine	2.679	302767	∞	90.8	70535.9	46463	248.314 ng/ml
Cyclobenzaprine	5.662	2042062	3564522.7	8.8	479660.1	280388	256.331 ng/ml
Dextromethorphan	5.313	1257340	1645935.6	74.9	71308.0	259596	245.724 ng/ml
Dextrorphan	4.164	2009220	229866.1	44.0	∞	449357	252.643 ng/ml
Diazepam	5.979	678258	∞	85.8	∞	134305	254.092 ng/ml
Dihydrocodeine	2.618	771031	4178.9	60.6	446.0	232557	225.043 ng/ml
Diphenhydramine	5.344	5909861	259151.6	30.5	1037627.6	1179118	254.238 ng/ml
Doxylamine	4.613	10541240	∞	82.2	2649564.9	1649785	257.623 ng/ml
EDDP	5.301	3200484	328305.8	42.5	1659928.6	693633	247.144 ng/ml
Etizolam	5.841	569344	48472.8	23.7	∞	142009	257.157 ng/ml
Fentanyl	5.248	245669	487856.0	124.0	1320169.9	507278	25.870 ng/ml
Flualprazolam	5.738	399611	4637439690 2963.9	94.4	∞	142009	259.124 ng/ml
Fluoxetine	5.739	1388959	∞	7.4	121050.7	216441	249.808 ng/ml
Hydrocodone	3.105	931881	∞	38.1	∞	232474	246.064 ng/ml
Hydromorphone	1.658	739220	∞	72.8	∞	101676	247.744 ng/ml
Ketamine	4.186	2113900	∞	38.7	∞	422468	253.316 ng/ml
Lamotrigine	4.386	172605	15387.9	86.5	737194.9	117048	266.472 ng/ml

AM #28 Multi-Drug Quant. Results

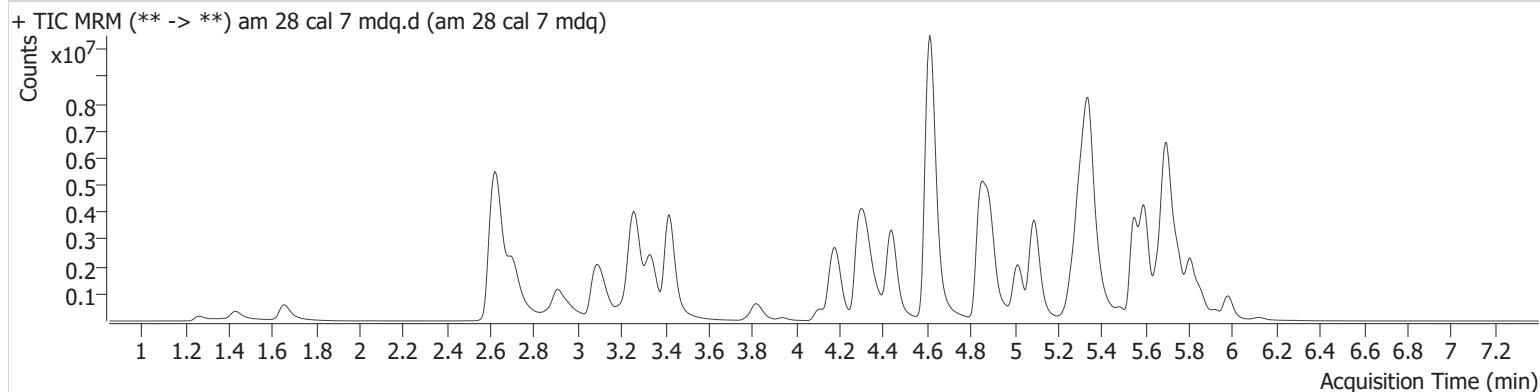
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.702	809597	30290.2	228.7	154747.3	439581	250.506 ng/ml
Lorazepam	5.780	69029	∞	43.2	1781.0	15738	252.295 ng/ml
MDA	3.235	1583435	252109.2	27.3	11056.6	220958	241.133 ng/ml
MDMA	3.333	2325464	72489.6	89.5	92862.9	99862	254.484 ng/ml
Meprobamate	4.961	211733	3456902.6	30.3	1867.2	30127	244.472 ng/ml
Methadone	5.686	3866728	62338.6	49.7	28778.2	691143	249.887 ng/ml
Methamphetamine	3.262	4265518	363527.6	39.2	∞	889660	237.031 ng/ml
Metoprolol	4.370	547930	632658.6	97.6	∞	220958	248.888 ng/ml
Mirtazapine	4.846	5999514	864201.4	47.1	821702.4	691143	261.679 ng/ml
Mitragynine	5.377	920708	∞	31.9	∞	587471	252.640 ng/ml
Morphine	1.266	135102	∞	16.7	∞	7625	250.903 ng/ml
Norbuprenorphine	5.050	4481	∞	104.1	14090.2	10194	24.289 ng/ml
Nordiazepam	5.928	188785	∞	62.7	∞	26768	249.408 ng/ml
Norfentanyl	4.124	189523	∞	38.5	∞	986278	25.171 ng/ml
Norhydrocodone	3.116	69362	∞	30.6	1936.4	63214	262.470 ng/ml
Noroxycodone	2.961	558762	∞	44.9	∞	77383	250.367 ng/ml
O-desmethyl-tramadol	3.419	5998821	1175717.3	6.0	∞	1275578	248.058 ng/ml
Oxazepam	5.787	88540	4664.7	73.8	25758.5	15738	251.691 ng/ml
Oxycodone	2.909	1951253	∞	28.8	∞	324067	251.554 ng/ml
Oxymorphone	1.434	638187	∞	43.3	∞	94509	251.960 ng/ml
Promethazine	5.599	3460667	10653275.7	37.3	48530.9	673550	253.210 ng/ml
Pseudoephedrine	2.626	10975959	∞	24.1	∞	2219090	250.889 ng/ml
Quetiapine	5.700	3405116	190559876.9	63.0	∞	227532	254.706 ng/ml
Sertraline	5.807	342808	∞	98.9	1338520.7	55048	245.999 ng/ml
Temazepam	5.854	590400	32686.6	29.6	2378.4	117048	247.641 ng/ml
Tramadol	4.288	5619772	1112680.0	3.4	11048.9	1198823	244.357 ng/ml
Trazodone	5.549	3258468	∞	82.0	∞	587471	244.734 ng/ml
Venlafaxine	5.089	4357639	472357.0	38.1	∞	1133748	245.688 ng/ml
Zolpidem	5.327	5266875	∞	29.4	2117167.5	973427	248.502 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 **Data File** am 28 cal 7 mdq.d
Type Cal **Sample** am 28 cal 7 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P1-G5 **Comment**
Injection Volume 3
Acq. Date-Time 8/27/2021 7:51:18 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	86803	∞	133.4	∞	49207	49.715 ng/ml
7-aminoclonazepam	4.339	561727	51508.5	77.7	∞	64472	502.355 ng/ml
a-hydroxyalprazolam	5.733	72838	834.9	57.1	498.2	125851	430.175 ng/ml
alpha-PHP	5.018	5021317	282573.8	39.4	94835.4	483596	539.488 ng/ml
alpha-PVP	4.439	7052845	656693.1	51.9	85992.2	591800	509.546 ng/ml
Alprazolam	5.807	1819439	2362.6	89.1	3940.1	125851	502.920 ng/ml
Amphetamine	3.083	5110374	244560.5	41.9	115281.2	291295	364.426 ng/ml
Benzoylcegonine	3.937	143723	1783261.0	54.3	7359.8	9972	495.687 ng/ml
Buprenorphine	6.124	157878	30271.8	16.6	33646.3	107351	53.319 ng/ml
Bupropion	4.892	6420899	2604977.4	65.7	193799.3	483596	540.127 ng/ml
Carisoprodol	5.762	948987	26458743.9	56.9	85358.8	73414	528.338 ng/ml
Citalopram	5.269	3709450	2446845.9	42.3	∞	336696	501.511 ng/ml
Clonazepam	5.650	147667	6193.1	33.7	15314.5	5844	518.962 ng/ml
Clonazepam	5.597	297866	∞	39.5	6597.8	125851	452.050 ng/ml
Cocaine	4.323	4505269	318434.9	49.2	∞	732475	517.781 ng/ml
Codeine	2.679	494960	166862.4	98.6	114574.2	35813	526.200 ng/ml
Cyclobenzaprine	5.657	3873065	1543130.5	8.9	6613952.4	265829	513.758 ng/ml
Dextromethorphan	5.313	1972860	∞	72.5	971413.7	195422	513.164 ng/ml
Dextrorphan	4.164	3632806	11339223.0	43.9	1155985.0	404727	507.773 ng/ml
Diazepam	5.979	1359044	∞	84.6	∞	139373	491.321 ng/ml
Dihydrocodeine	2.613	1301631	2937.6	60.6	1913.8	225928	392.429 ng/ml
Diphenhydramine	5.350	9345889	1023605.7	30.1	182208.1	907043	523.193 ng/ml
Doxylamine	4.616	20311708	∞	84.0	1008794.1	1592679	515.009 ng/ml
EDDP	5.302	7081904	2212442.2	42.4	∞	734265	517.488 ng/ml
Etizolam	5.841	976979	∞	24.1	∞	125851	498.340 ng/ml
Fentanyl	5.248	505740	∞	126.8	1150698.8	548846	49.325 ng/ml
Flualprazolam	5.738	623596	4212.2	93.4	∞	125851	457.101 ng/ml
Fluoxetine	5.739	2859890	∞	7.5	∞	211171	527.863 ng/ml
Hydrocodone	3.105	1847400	∞	35.6	∞	227442	500.253 ng/ml
Hydromorphone	1.658	1426753	∞	73.1	∞	97543	498.575 ng/ml
Ketamine	4.191	3584375	∞	38.1	48994.7	358348	507.132 ng/ml
Lamotrigine	4.386	271717	∞	86.2	1985108130 368080.0	94743	518.063 ng/ml

AM #28 Multi-Drug Quant. Results

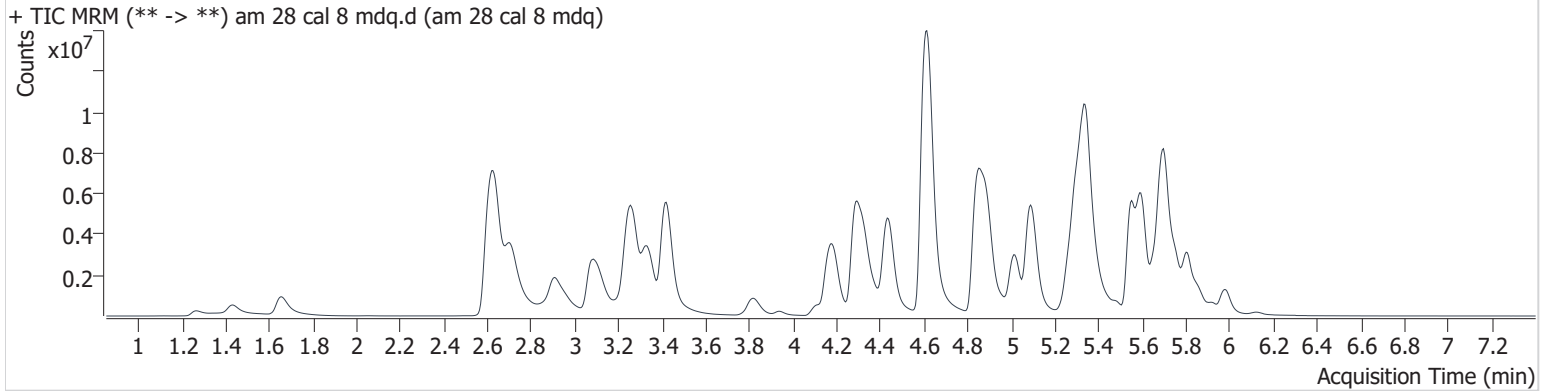
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.702	1487672	50534.1	225.0	150428.8	430543	471.128 ng/ml
Lorazepam	5.780	122645	10849.1	48.2	∞	13047	542.541 ng/ml
MDA	3.230	2358185	121054.8	26.9	29301.8	175378	454.085 ng/ml
MDMA	3.338	4066028	369479.8	89.7	16149338.6	87945	506.299 ng/ml
Meprobamate	4.967	411293	1095978.0	29.1	7316.7	29150	491.931 ng/ml
Methadone	5.686	7646038	90103.6	49.2	61607.5	650530	525.623 ng/ml
Methamphetamine	3.262	7320611	∞	39.4	498678.4	899399	407.074 ng/ml
Metoprolol	4.370	848644	2043898.1	98.7	∞	175378	486.571 ng/ml
Mirtazapine	4.846	11300710	409815.1	46.4	1334990.4	650530	524.435 ng/ml
Mitragynine	5.377	1931126	∞	32.4	7337908.9	639725	487.939 ng/ml
Morphine	1.266	267374	∞	15.6	∞	7323	518.097 ng/ml
Norbuprenorphine	5.050	8465	46735.9	99.2	∞	8933	52.260 ng/ml
Nordiazepam	5.928	377824	33306.3	64.0	∞	26433	506.927 ng/ml
Norfentanyl	4.124	375814	∞	38.6	∞	1011391	48.759 ng/ml
Norhydrocodone	3.116	117309	∞	31.9	1448.6	58316	482.229 ng/ml
Noroxycodone	2.956	1044162	∞	44.0	∞	70273	515.806 ng/ml
O-desmethyl-tramadol	3.419	11482585	690025.1	5.9	∞	1181459	513.662 ng/ml
Oxazepam	5.787	157508	509330.1	73.3	2120.6	13047	541.270 ng/ml
Oxycodone	2.904	3830230	∞	29.2	∞	323398	495.864 ng/ml
Oxymorphone	1.429	1243944	∞	43.0	∞	91945	505.850 ng/ml
Promethazine	5.599	7510241	∞	36.9	261566.0	704775	525.487 ng/ml
Pseudoephedrine	2.624	18611379	∞	23.7	∞	1860432	508.224 ng/ml
Quetiapine	5.705	5576348	∞	62.9	∞	199627	476.862 ng/ml
Sertraline	5.807	974598	∞	94.1	1056582.4	76563	503.712 ng/ml
Temazepam	5.854	1014885	1100041.9	29.0	4247.5	94743	526.477 ng/ml
Tramadol	4.288	10255232	275112.4	3.3	46930.5	1019949	525.447 ng/ml
Trazodone	5.544	6229814	∞	81.1	117990.6	639725	430.751 ng/ml
Venlafaxine	5.089	8735494	605695.5	36.7	163345.5	1039275	537.744 ng/ml
Zolpidem	5.332	8924696	980817.0	29.1	∞	796465	515.155 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\082721\QuantResults\mdq.batch.bin
Calibration Last Update 8/28/2021 10:42:05 AM

Instrument 69679 Data File am 28 cal 8 mdq.d
Type Cal Sample am 28 cal 8 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P1-H5 Comment
Injection Volume 3
Acq. Date-Time 8/27/2021 8:09:16 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.201	140866	∞	134.6	9036.1	42207	94.097 ng/ml
7-aminoclonazepam	4.339	636910	48465.3	77.3	∞	31964	1149.313 ng/ml
a-hydroxyalprazolam	5.733	113432	∞	53.5	1865.2	96919	871.013 ng/ml
alpha-PHP	5.018	7560183	288545.5	40.1	∞	357061	1100.402 ng/ml
alpha-PVP	4.438	10921104	961427.5	51.9	244304.9	480814	971.835 ng/ml
Alprazolam	5.807	2729548	13582.9	91.7	1674.3	96919	980.556 ng/ml
Amphetamine	3.078	7026134	∞	42.2	306302.5	247710	590.627 ng/ml
Benzoylcegonine	3.937	288208	∞	55.0	85597.1	9770	1015.667 ng/ml
Buprenorphine	6.124	237926	91562.1	17.5	583831.4	89101	96.906 ng/ml
Bupropion	4.890	9925409	9094957.5	64.1	935138.8	357061	1130.787 ng/ml
Carisoprodol	5.762	1236838	∞	55.4	26562.1	50260	1006.330 ng/ml
Citalopram	5.269	5133014	549909.3	41.6	3163625.0	233150	1003.058 ng/ml
Clonazepam	5.645	222021	50674.5	33.4	18347.0	4931	925.673 ng/ml
Clonazepam	5.597	432341	3100.2	38.8	1348.4	96919	852.910 ng/ml
Cocaine	4.322	6501695	540400.2	49.3	1592192.5	539271	1015.846 ng/ml
Codeine	2.679	803829	89394.9	93.9	∞	26282	1163.987 ng/ml
Cyclobenzaprine	5.657	5120305	166985.5	8.8	754088.2	188811	957.090 ng/ml
Dextromethorphan	5.307	2348485	28738.7	74.6	34363.7	118938	1004.572 ng/ml
Dextrophan	4.159	5309388	382779.6	44.5	350608.8	302422	993.737 ng/ml
Diazepam	5.984	2049709	∞	86.1	∞	102690	1006.509 ng/ml
Dihydrocodeine	2.613	1936504	6351.9	60.8	7052.3	209980	629.295 ng/ml
Diphenhydramine	5.350	11889924	295606.0	30.0	97417.6	584722	1033.019 ng/ml
Doxylamine	4.613	30200290	1135763.7	87.0	∞	1310499	931.266 ng/ml
EDDP	5.303	10513476	1097835.1	41.9	265322.7	553469	1019.973 ng/ml
Etizolam	5.841	1540710	∞	23.9	∞	96919	1020.956 ng/ml
Fentanyl	5.242	855404	186987829.6	127.8	40185819.2	490577	93.437 ng/ml
Flualprazolam	5.738	897938	∞	94.8	11758.4	96919	855.620 ng/ml
Fluoxetine	5.744	3163498	∞	7.5	818562.3	122070	1010.650 ng/ml
Hydrocodone	3.105	3036975	∞	38.4	∞	212583	881.077 ng/ml
Hydromorphone	1.658	2474831	∞	73.2	∞	85626	985.330 ng/ml
Ketamine	4.191	5173617	∞	38.3	22338.7	266604	984.580 ng/ml
Lamotrigine	4.386	347816	44889.5	87.4	∞	61414	1022.857 ng/ml
Levetiracetam	2.707	2579636	542612.5	224.9	300028.7	388182	907.299 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.780	186189	∞	47.5	4187.5	11256	955.920 ng/ml
MDA	3.225	2787613	128566.7	27.4	3961549715 094470.0	127821	737.646 ng/ml
MDMA	3.333	5875527	∞	89.2	329154.7	66569	967.514 ng/ml
Meprobamate	4.962	706682	459551.6	29.0	14510.5	25893	952.603 ng/ml
Methadone	5.686	11182051	440408.4	47.4	107444.3	474823	1053.755 ng/ml
Methamphetamine	3.262	10920819	∞	39.6	30295.0	838491	655.407 ng/ml
Metoprolol	4.365	1177685	9913905.3	98.6	∞	127821	927.309 ng/ml
Mirtazapine	4.846	16392526	1000891.8	46.0	237727.3	474823	1042.993 ng/ml
Mitragynine	5.377	2482875	1490496.7	33.4	3510907.6	569105	705.836 ng/ml
Morphine	1.266	415886	∞	14.8	∞	6693	882.427 ng/ml
Norbuprenorphine	5.050	12466	∞	101.5	∞	6745	101.850 ng/ml
Nordiazepam	5.928	594117	45009.3	63.9	∞	21223	994.191 ng/ml
Norfentanyl	4.119	617886	∞	39.2	∞	927248	87.513 ng/ml
Norhydrocodone	3.116	160159	∞	33.1	255.3	42892	896.220 ng/ml
Noroxycodone	2.961	1635200	∞	44.2	∞	58164	976.452 ng/ml
O-desmethyl-tramadol	3.420	18734911	∞	5.7	145434.2	980528	1010.754 ng/ml
Oxazepam	5.781	241190	∞	75.2	7962.6	11256	961.528 ng/ml
Oxycodone	2.904	6771789	∞	28.6	∞	298899	949.530 ng/ml
Oxymorphone	1.429	1991713	∞	43.3	∞	79097	942.375 ng/ml
Promethazine	5.599	11388616	3122587.3	34.7	129062.2	530040	1059.857 ng/ml
Pseudoephedrine	2.626	27417572	∞	23.4	∞	1388415	1003.984 ng/ml
Quetiapine	5.706	6440860	∞	61.6	384668.7	130001	847.067 ng/ml
Sertraline	5.807	1118051	1501202.4	96.0	2302449.1	44575	993.347 ng/ml
Temazepam	5.854	1297340	29345.6	29.3	11282.3	61414	1038.721 ng/ml
Tramadol	4.288	15250310	252326.4	3.3	18173.8	853336	934.845 ng/ml
Trazodone	5.550	9219565	∞	81.6	∞	569105	717.515 ng/ml
Venlafaxine	5.091	14120385	∞	36.5	614748.8	819617	1102.587 ng/ml
Zolpidem	5.332	13778618	1305207.2	28.6	222491.0	589103	1075.808 ng/ml