














**Worklist: 6587**

REVIEWED

By Britany Wylie at 8:45 pm, Dec 02, 2023

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-2309	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2473	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2023-2475	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2488	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2489	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2498	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2538	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2580	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2023-2582	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2586	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2609	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2628	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2655	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 11/30/23 Analyst: Anne Nord
Plate lot#: 230707 Item: IDP-121-5-CDA Plate re-test: 01/07/2024

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

Blank Blood Lot: 23J52629 **Urine Blank lot** 8423

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.

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) or 250µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: P31168J**
- 3. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792**
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. 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: Mikel Buffaloe hands of the analyst. The samples were injected 11/30/23 many compounds were out of the acquisition window; the acquisition method was updated, and the run was reinjected that set was evaluated.

Curve limits

6-MAM 0.5-25 cal 7 and 8 dropped due to accuracy
Amphetamine 5-500 cal 8 dropped due to accuracy.
Clonazepam 10-1000 cal 1 dropped due to poor response/peak shape.
Cocaine 5-500 cal 8 dropped due to accuracy.
Codeine 5-250 cal 7 and 8 dropped due to accuracy.
Dihydrocodeine 5-500 cal 8 dropped due to accuracy.
Hydromorphone 5-500 cal 8 dropped due to poor peak shape of internal standard.
Ketamine 5-500 cal 8 dropped due to accuracy.
Lorazepam 25-1000 cal 1 and 2 dropped due to poor peak shape and response.
MDA 5-500 cal 8 dropped due to accuracy.
Methamphetamine 5-500 cal 8 dropped due to accuracy.
Norfentanyl 0.5-50 cal 8 dropped due to accuracy.



Olanzapine 5-250 cal 7 and 8 dropped due to accuracy.
Oxazepam 10-1000 poor cal 1 dropped due to poor response.
Oxymorphone 5-500 cal 8 dropped due to accuracy.
Phentermine 5-500 cal 8 dropped due to accuracy.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	2475-1	2638-1								
B	IS + Cal. 2	IS + QC_2	2489-1	negative urine								
C	IS + Cal. 3	IS + QC 3	2498-1	2580-2								
D	IS + Cal. 4	IS + QC_4	2538-1	2473-1								
E	IS + Cal. 5	IS + QC_2	2582-1									
F	IS + Cal. 6	Negative blood	2586-1									
G	IS + Cal. 7	2309-1	2609-2									
H	IS + Cal. 8	2488-1	2655-1									

blank in front

plate position 2

c2023-____-__

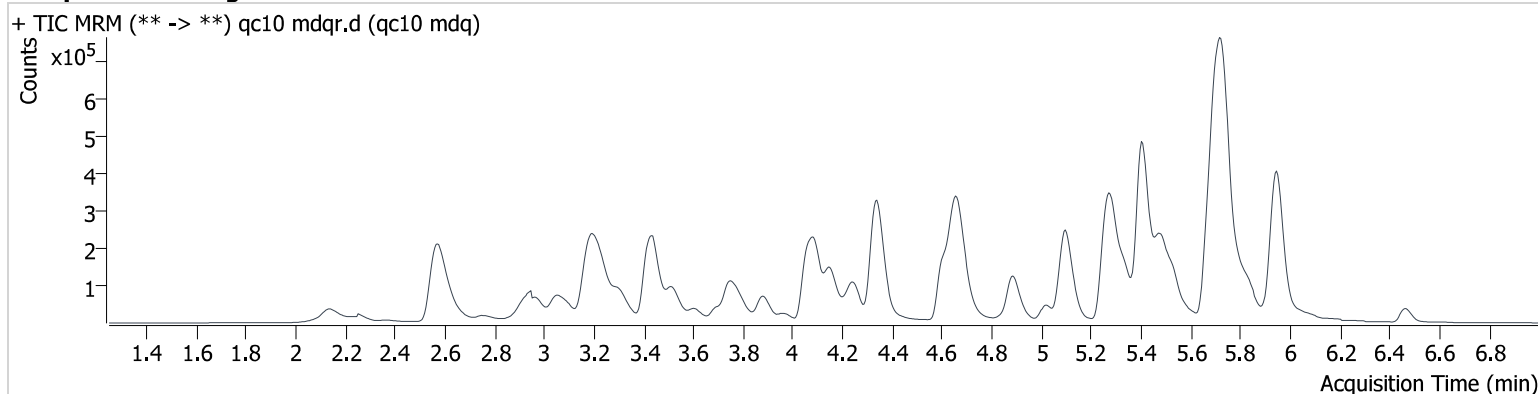
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type QC
Acq. Method mdqppq 113023.m
Sample Position P2-A2
Injection Volume 3
Acq. Date-Time 11/30/2023 9:59:40 PM
Sample Info.

Data File qc10 mdqr.d
Sample qc10 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.799	2004	6577.6	147.05	∞	59766	0.998 ng/ml
7-aminoclonazepam	4.256	27594	2123.0	118.76	4718.1	138694	9.909 ng/ml
a-hydroxyalprazolam	5.674	1927	116.7	53.65	177.6	10393	11.357 ng/ml
alpha-PHP	5.504	35160	2612.3	256.92	5575.6	372671	9.370 ng/ml
alpha-PVP	5.020	98508	20358.3	58.73	20621.4	402290	10.143 ng/ml
Alprazolam	5.753	26087	1039.6	100.17	∞	106609	9.413 ng/ml
Amphetamine	3.058	71538	6008.3	279.48	4488.2	213991	10.665 ng/ml
Benzoylcegonine	3.836	2268	3041.9	40.46	449.2	6862	9.726 ng/ml
Bromazolam	5.793	12123	204.0	90.64	472.3	47989	10.564 ng/ml
Buprenorphine	6.475	7878	728.5	16.54	138.7	111824	1.004 ng/ml
Bupropion	5.536	123517	11181.7	64.91	52333.1	478464	10.161 ng/ml
Carisoprodol	5.703	17188	47514.8	92.35	∞	93527	10.156 ng/ml
Citalopram	5.302	81980	10057.0	38.55	9185.5	359752	9.964 ng/ml
Clonazepam	5.596	4914	3737.1	31.89	198.5	9009	8.555 ng/ml
Clonazolam	5.532	7330	3751.2	38.72	46813.7	101728	9.817 ng/ml
Cocaine	4.644	89043	11256.8	45.07	5961.3	610761	10.775 ng/ml
Codeine	3.790	13722	72086.4	97.73	∞	71155	11.465 ng/ml
Cyclobenzaprine	5.713	86272	2506.1	7.65	∞	253673	10.444 ng/ml
Dextromethorphan	5.346	63181	6974.2	75.33	1960.6	293651	10.152 ng/ml
Dextrorphan	4.160	69694	3327.8	46.16	4484.3	334150	9.772 ng/ml
Diazepam	5.936	19924	889.7	82.12	577.4	82610	10.952 ng/ml
Dihydrocodeine	3.299	33454	596.7	63.01	230.6	165447	10.950 ng/ml
Diphenhydramine	5.420	290572	16240.2	32.74	12145.4	1295434	9.520 ng/ml
Doxylamine	4.675	229155	15965.0	88.00	∞	789247	10.042 ng/ml
Duloxetine	5.665	13648	∞	9.06	60.5	37164	11.505 ng/ml
EDDP	5.267	111521	196324.2	41.84	2083.6	539234	10.265 ng/ml
Etizolam	5.793	3515	1167.2	384.36	1059.5	82610	9.857 ng/ml
Fentanyl	5.746	9593	348.6	126.77	852.4	448111	1.028 ng/ml
Fluorofentanyl	5.777	10448	698.7	111.92	323.2	4896	1.083 ng/ml
Fluoxetine	5.727	78402	2236.0	6.33	13587.2	268817	10.255 ng/ml
Hydrocodone	3.964	40517	1328.9	36.82	694.9	238452	10.407 ng/ml
Hydromorphone	2.759	26367	6323.0	82.49	∞	103697	9.528 ng/ml
Hydroxyzine	5.959	119368	254.6	112.57	1224.4	1295434	9.920 ng/ml

AM #28 Multi-Drug Quant. Results

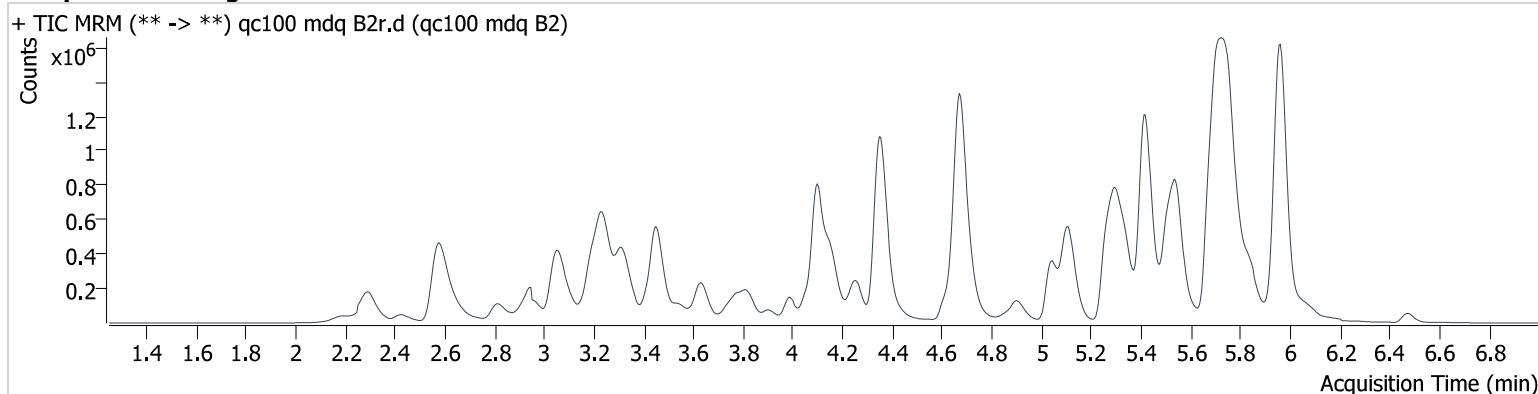
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.289	74608	43229.5	38.58	1683.0	295690	10.756 ng/ml
Lamotrigine	4.435	6347	1113.5	100.39	869.1	213991	9.724 ng/ml
Lorazepam	5.731	2351	232.6	38.83 Low	53.9	82610	7.251 ng/ml
MDA	3.209	98204	6673.3	30.37	∞	372671	10.229 ng/ml
MDMA	3.311	64748	6447.9	104.37	13094.4	61370	10.203 ng/ml
Meprobamate	4.872	9680	2053.0	41.27	475.6	38095	10.042 ng/ml
Methadone	5.674	172112	10090.2	47.52	949.3	602111	10.529 ng/ml
Methamphetamine	3.246	177349	∞	37.48	2873237578 6220.2	472763	10.649 ng/ml
Metoprolol	4.358	23656	4346.2	101.17	2057.5	372671	9.787 ng/ml
Mirtazapine	5.739	136995	4793.3	49.05	∞	253673	10.447 ng/ml
Mitragynine	5.761	41659	5595.4	36.18	2001.5	773401	11.055 ng/ml
Morphine	2.370	6858	511.6	17.70	101.1	7969	11.383 ng/ml
Norbuprenorphine	5.124	1484	3780.0	92.94	1206.7	21794	1.023 ng/ml
Nordiazepam	5.879	5706	625.9	61.24	2009.1	18160	10.378 ng/ml
Norfentanyl	4.085	5450	924.7	27.29	385.7	645990	1.079 ng/ml
Norhydrocodone	3.117	5843	1067.4	49.33	∞	77304	9.017 ng/ml
Noroxycodone	2.942	33351	487.6	47.75	4174.0	125497	10.005 ng/ml
O-desmethyl-tramadol	3.454	167471	14390.2	7.57	2827.2	762440	10.226 ng/ml
O-Desmethylvenlafaxine	4.099	45515	348.5	563.60	1047.4	174921	10.259 ng/ml
Olanzapine	5.507	68384	2825.9	46.66	3945.2	158991	11.059 ng/ml
Oxazepam	5.733	2783	1179.6	79.19	75.5	14028	8.885 ng/ml
Oxycodone	3.600	79400	6291.1	29.16	1993.4	307852	10.334 ng/ml
Oxymorphone	2.242	49430	∞	44.76	∞	198616	9.504 ng/ml
Phentermine	3.789	28361	906.7	11.00	164.6	318931	10.594 ng/ml
Promethazine	5.754	94728	6340.8	47.41	5768.6	454573	9.828 ng/ml
Pseudoephedrine	2.578	179113	5705.6	17.15	1360.0	773401	10.187 ng/ml
Quetiapine	5.942	153849	∞	60.43	25880.9	202155	11.271 ng/ml
Sertraline	5.836	19739	67345.7	113.27	9984.8	80556	10.923 ng/ml
Temazepam	5.806	23924	19260.4	30.68	304.8	101728	10.351 ng/ml
Tramadol	4.349	6567	148.7	2477.4 6	945.5	828752	10.038 ng/ml
Trazodone	5.954	100487	2960.9	137.72	8973.3	521618	10.878 ng/ml
Venlafaxine	5.106	123101	7953.9	37.55	2493.8	752006	10.518 ng/ml
Xylazine	4.243	9672	33.4	132.92	96.8	156454	9.264 ng/ml
Zolpidem	5.706	190811	∞	29.85	13398.8	803745	10.315 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument	69679	Data File	qc100 mdq B2r.d
Type	QC	Sample	qc100 mdq B2
Acq. Method	mdqppq 113023.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	3		
Acq. Date-Time	12/1/2023 1:20:00 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.825	17129	∞	125.99	∞	48891	11.221 ng/ml
7-aminoclonazepam	4.256	208101	12931.3	117.77	16393.1	100167	99.431 ng/ml
a-hydroxyalprazolam	5.674	12594	∞	63.32	5571.6	7941	98.469 ng/ml
alpha-PHP	5.520	286383	9724.4	245.96	571997.2	274716	96.812 ng/ml
alpha-PVP	5.041	811988	527251.5	57.50	606056.5	340905	105.850 ng/ml
Alprazolam	5.753	175854	6501.0	86.71	11054.6	60986	104.385 ng/ml
Amphetamine	3.058	513732	13288.4	263.35	∞	175242	104.446 ng/ml
Benzoylcegonine	3.831	19197	28641.0	42.13	175.7	5821	95.340 ng/ml
Bromazolam	5.798	81718	∞	92.44	183.4	32906	101.529 ng/ml
Buprenorphine	6.480	70958	9645.2	15.17	1088.0	96854	10.340 ng/ml
Bupropion	5.551	978956	128055.4	63.12	376597.7	382547	104.951 ng/ml
Carisoprodol	5.703	106689	187151.4	91.07	7671.9	56964	107.474 ng/ml
Citalopram	5.302	630282	37824.8	39.30	∞	278526	101.130 ng/ml
Clonazepam	5.591	37145	905.0	34.91	842.5	7681	87.430 ng/ml
Clonazolam	5.532	48675	∞	41.22	2470303.5	65827	92.559 ng/ml
Cocaine	4.659	711705	181629.8	45.89	∞	532161	103.150 ng/ml
Codeine	3.816	108194	41893.1	94.40	7295.2	58751	116.435 ng/ml
Cyclobenzaprine	5.718	607237	3236658.7	7.62	208703.8	178879	106.154 ng/ml
Dextromethorphan	5.346	521273	∞	73.88	1404246.4	235341	102.636 ng/ml
Dextrorphan	4.160	593733	6233271.9	43.98	1098696.2	279429	99.668 ng/ml
Diazepam	5.936	138747	12519.3	85.29	1970.0	57308	115.504 ng/ml
Dihydrocodeine	3.324	259403	1309.5	64.68	1605.9	133401	115.421 ng/ml
Diphenhydramine	5.420	2421846	∞	32.60	920374.1	1064220	98.801 ng/ml
Doxylamine	4.675	2023951	∞	84.01	143139.1	681729	103.284 ng/ml
Duloxetine	5.665	98362	4413.4	10.08	1393.7	30516	101.816 ng/ml
EDDP	5.262	970534	298383.0	42.56	∞	450299	102.770 ng/ml
Etizolam	5.798	26856	15100.5	379.64	5086.8	57308	98.969 ng/ml
Fentanyl	5.757	74743	366092.2	132.96	11327.6	342953	10.514 ng/ml
Fluorofentanyl	5.793	76614	32581.8	111.14	10772.4	3618	8.602 ng/ml
Fluoxetine	5.727	505649	∞	6.45	∞	186592	98.285 ng/ml
Hydrocodone	3.985	334846	∞	39.76	∞	201258	112.053 ng/ml
Hydromorphone	2.815	236169	∞	73.84	∞	98052	83.132 ng/ml
Hydroxyzine	5.969	945705	58526.3	110.27	48796.3	1064220	106.014 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.305	579284	∞	36.33	5623.6	225274	112.931 ng/ml
Lamotrigine	4.430	51065	4830.3	98.83	1958.2	175242	106.469 ng/ml
Lorazepam	5.731	11431	∞	50.90	54.8	57308	103.304 ng/ml
MDA	3.204	713208	32515.0	31.19	∞	274716	106.727 ng/ml
MDMA	3.311	515715	3349751.0	100.20	∞	48841	101.839 ng/ml
Meprobamate	4.872	74946	3638.5	40.85	1788.4	29454	107.717 ng/ml
Methadone	5.680	1346050	233710.2	48.73	20698.1	503961	98.916 ng/ml
Methamphetamine	3.246	1122505	∞	38.20	∞	398242	104.069 ng/ml
Metoprolol	4.358	184490	311940.5	99.12	∞	274716	101.292 ng/ml
Mirtazapine	5.744	944712	408647.1	49.37	177358.6	178879	112.917 ng/ml
Mitragynine	5.771	329288	112902.0	35.32	2811.1	635598	119.414 ng/ml
Morphine	2.425	56196	6375.9	19.79	757.4	7842	99.922 ng/ml
Norbuprenorphine	5.124	10973	14798.4	99.43	7685.8	17494	10.332 ng/ml
Nordiazepam	5.879	40145	726.6	66.48	8285.6	13492	101.491 ng/ml
Norfentanyl	4.080	43266	4668.2	29.05	8038.1	538318	10.777 ng/ml
Norhydrocodone	3.117	59271	1001.2	51.56	∞	67594	91.553 ng/ml
Noroxycodone	2.947	282512	1026.6	45.95	∞	111661	96.577 ng/ml
O-desmethyl-tramadol	3.454	1427959	246832.8	6.80	17229.2	655502	103.886 ng/ml
O-Desmethylvenlafaxine	4.099	384722	453.6	542.72	66193.4	142811	105.826 ng/ml
Olanzapine	5.512	523654	57974.4	49.11	17535.2	139806	99.968 ng/ml
Oxazepam	5.733	17144	2673.7	65.51	901.4	7733	106.380 ng/ml
Oxycodone	3.630	654244	∞	30.09	3046.8	279921	100.698 ng/ml
Oxymorphone	2.287	458150	∞	43.36	∞	178151	102.497 ng/ml
Phentermine	3.784	192869	3775.6	11.19	555.2	249595	97.621 ng/ml
Promethazine	5.759	736013	712880.6	46.20	30045.5	345180	93.613 ng/ml
Pseudoephedrine	2.583	1507537	∞	17.58	45957.0	635598	102.334 ng/ml
Quetiapine	5.948	1161147	1707195.4	61.13	∞	167372	112.119 ng/ml
Sertraline	5.842	184734	413596.7	109.67	76984.3	83243	95.060 ng/ml
Temazepam	5.806	152773	8229.2	32.02	∞	65827	98.522 ng/ml
Tramadol	4.354	55489	3858.4	2433.58	8607.6	701090	107.353 ng/ml
Trazodone	5.959	698376	657612.6	134.75	528998.2	399821	103.955 ng/ml
Venlafaxine	5.111	1043771	107750.3	37.26	48847.0	628674	96.115 ng/ml
Xylazine	4.249	83879	564.4	137.00	1311.6	135057	107.624 ng/ml
Zolpidem	5.712	1447557	∞	30.66	1194018.1	619140	102.214 ng/ml

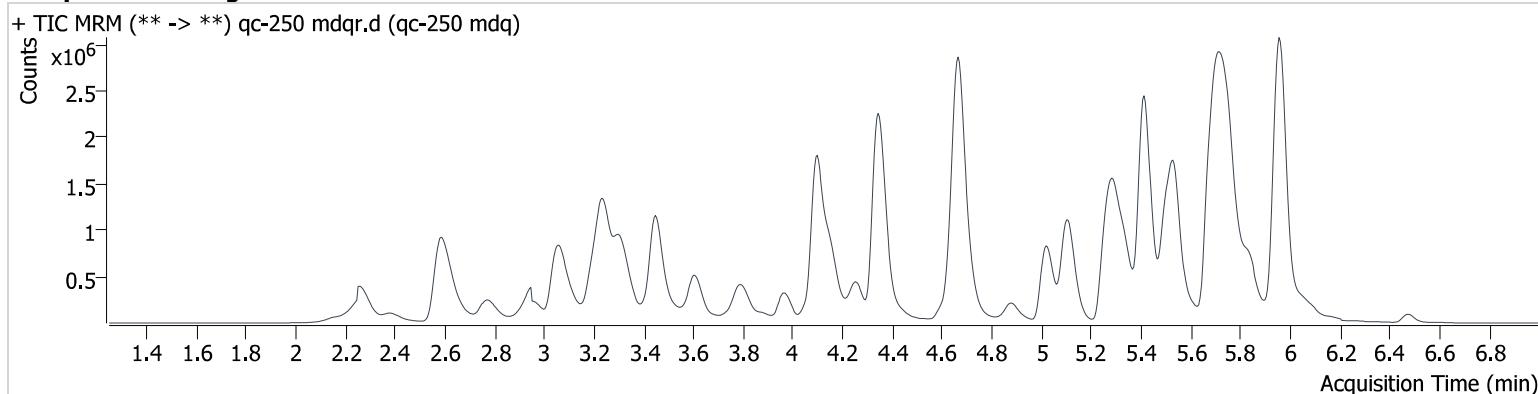
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type QC
Acq. Method mdqppq 113023.m
Sample Position P2-C2
Injection Volume 3
Acq. Date-Time 11/30/2023 10:08:22 PM
Sample Info.

Data File qc-250 mdqr.d
Sample qc-250 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.810	33561	∞	132.37	∞	49772	21.674 ng/ml
7-aminoclonazepam	4.256	466224	10610.0	120.06	44406.6	91435	243.416 ng/ml
a-hydroxyalprazolam	5.674	22719	2233.6	59.63	373.0	5924	238.385 ng/ml
alpha-PHP	5.504	601779	∞	263.92	∞	227154	244.998 ng/ml
alpha-PVP	5.020	1965675	815686.1	57.55	∞	342864	255.938 ng/ml
Alprazolam	5.753	303560	12069.1	90.89	∞	38180	286.759 ng/ml
Amphetamine	3.063	1118188	92533.2	249.21	85454.2	172552	232.583 ng/ml
Benzoylcegonine	3.836	46924	510610.4	43.61	2440.9	5901	229.596 ng/ml
Bromazolam	5.798	155742	294.8	94.80	384.2	24813	256.200 ng/ml
Buprenorphine	6.475	177640	54773.7	14.86	2129.8	100216	25.002 ng/ml
Bupropion	5.541	2151252	359868.6	62.75	127105.9	361776	244.497 ng/ml
Carisoprodol	5.703	167277	153152.3	88.45	2108.4	38427	250.373 ng/ml
Citalopram	5.297	1343767	∞	39.95	∞	232983	258.137 ng/ml
Clonazepam	5.591	95773	2326.3	36.55	8023.7	6885	254.229 ng/ml
Clonazolam	5.532	105665	∞	39.92	58988.3	52662	249.645 ng/ml
Cocaine	4.638	1686600	220488.7	44.55	352927.9	534123	244.265 ng/ml
Codeine	3.795	214870	∞	94.25	∞	63024	216.251 ng/ml
Cyclobenzaprine	5.713	1019083	61738.1	9.33	∞	135745	235.017 ng/ml
Dextromethorphan	5.341	1227905	243460.9	74.17	73415.6	226134	251.320 ng/ml
Dextrorphan	4.155	1370155	66423.7	45.55	162727.3	255903	251.169 ng/ml
Diazepam	5.931	246996	∞	86.97	6234.8	46481	254.250 ng/ml
Dihydrocodeine	3.299	537951	1120.2	64.02	1995.5	131947	243.284 ng/ml
Diphenhydramine	5.415	5694982	79004.4	30.85	∞	1018144	243.200 ng/ml
Doxylamine	4.671	4921343	∞	87.84	∞	685907	249.703 ng/ml
Duloxetine	5.665	208297	5490.8	9.97	71.4	26730	246.298 ng/ml
EDDP	5.262	2302172	120858.1	42.09	86086.9	435181	251.597 ng/ml
Etizolam	5.798	55726	7710.9	371.29	∞	46481	251.699 ng/ml
Fentanyl	5.746	143795	∞	142.90	135012.8	272217	25.492 ng/ml
Fluorofentanyl	5.782	174664	11967.3	102.44	∞	2796	24.902 ng/ml
Fluoxetine	5.722	799782	∞	6.49	59778.9	117035	248.399 ng/ml
Hydrocodone	3.964	736723	∞	39.71	7310.8	209536	238.084 ng/ml
Hydromorphone	2.774	564022	∞	77.01	∞	76593	252.433 ng/ml
Hydroxyzine	5.964	2034605	82067.1	112.01	105720.2	1018144	239.897 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.289	1203800	83541.3	35.94	12528.8	208696	253.771 ng/ml
Lamotrigine	4.435	114361	9522.9	97.50	13342.3	172552	243.732 ng/ml
Lorazepam	5.731	20198	∞	49.97	2015.6	46481	235.343 ng/ml
MDA	3.204	1293671	180064.8	31.54	∞	227154	234.926 ng/ml
MDMA	3.316	1158714	67441.5	99.11	∞	45105	247.719 ng/ml
Meprobamate	4.872	188756	35729.9	42.35	7167.2	31203	257.179 ng/ml
Methadone	5.674	3132015	∞	47.85	∞	473377	245.126 ng/ml
Methamphetamine	3.246	2546079	136640.6	38.43	28499.8	410293	233.554 ng/ml
Metoprolol	4.358	393455	∞	98.42	∞	227154	260.883 ng/ml
Mirtazapine	5.739	1646133	2135038.2	49.18	87121.6	135745	260.862 ng/ml
Mitragynine	5.761	658698	96440.1	38.58	102093.2	621487	245.885 ng/ml
Morphine	2.385	144902	11738.5	17.47	2104.2	7386	274.758 ng/ml
Norbuprenorphine	5.119	23194	84507.0	100.49	55437.3	15925	24.138 ng/ml
Nordiazepam	5.879	98104	2095.4	60.27	45144.8	13024	257.526 ng/ml
Norfentanyl	4.075	97900	6893.4	29.67	30176.6	536174	24.556 ng/ml
Norhydrocodone	3.122	164584	∞	46.12	591.6	69348	245.693 ng/ml
Noroxycodone	2.952	646601	7919.2	46.75	∞	98921	249.755 ng/ml
O-desmethyl-tramadol	3.449	3467145	490977.2	7.11	39023.6	657830	251.739 ng/ml
O-Desmethylvenlafaxine	4.099	929333	14408.4	557.31	176613.1	142603	255.947 ng/ml
Olanzapine	5.502	1191663	32183.7	49.88	28493.5	137873	231.303 ng/ml
Oxazepam	5.738	27718	8332.1	70.86	1069.0	5494	242.972 ng/ml
Oxycodone	3.605	1529939	∞	29.81	∞	269055	246.245 ng/ml
Oxymorphone	2.257	1141772	∞	42.72	∞	194248	234.858 ng/ml
Phentermine	3.784	386761	10040.3	10.69	4982.1	235448	208.335 ng/ml
Promethazine	5.754	1483078	89560.6	45.28	30201.2	248088	261.096 ng/ml
Pseudoephedrine	2.588	3652566	∞	16.97	∞	621487	253.253 ng/ml
Quetiapine	5.942	2436750	∞	60.01	∞	154702	256.028 ng/ml
Sertraline	5.842	425952	737521.9	108.95	13849.4	76140	238.902 ng/ml
Temazepam	5.806	310675	2020759.6	30.24	176198.8	52662	249.808 ng/ml
Tramadol	4.344	132165	∞	2424.76	95207.7	700863	256.866 ng/ml
Trazodone	5.959	1390769	150046.4	137.03	469240.3	339738	244.516 ng/ml
Venlafaxine	5.106	2653539	231169.4	35.84	54658.4	616648	247.275 ng/ml
Xylazine	4.233	202491	1381.9	134.01	1289.6	131470	269.286 ng/ml
Zolpidem	5.706	2874074	119696.5	32.62	785565.7	501214	250.793 ng/ml

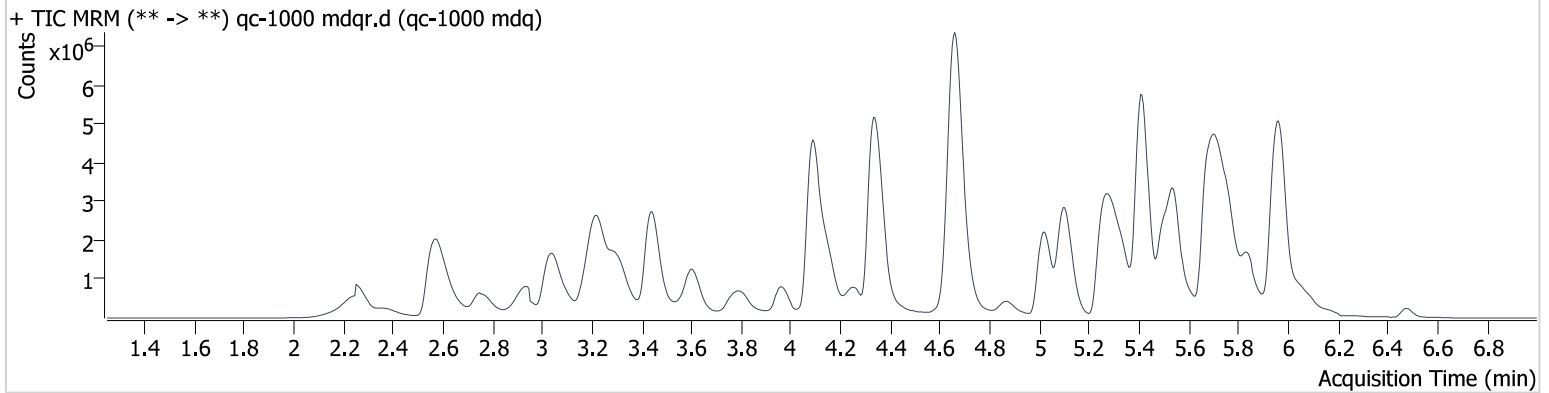
AM #28 Multi-Drug Quant. Results

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Type QC
Acq. Method mdqppq 113023.m
Sample Position P2-D2
Injection Volume 3
Acq. Date-Time 11/30/2023 10:17:04 PM
Sample Info.

Data File qc-1000 mdqr.d
Sample qc-1000 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.810	74875	∞	131.54	∞	39044	61.795 ng/ml
7-aminoclonazepam	4.256	978588	114197.3	114.03	88475.3	43748	1066.392 ng/ml
a-hydroxyalprazolam	5.674	34797	54728.5	56.98	3691.8	2568	842.688 ng/ml
alpha-PHP	5.504	1443750	1154937.3	250.42	139115.6	117243	1136.371 ng/ml
alpha-PVP	5.020	5677703	2511322.8	55.08	64893977.9	312088	813.947 ng/ml
Alprazolam	5.758	303698	∞	90.13	∞	10304	1061.407 ng/ml
Amphetamine	3.042	2383138	101728.4	244.07	409957.0	127670	672.598 ng/ml
Benzoylcegonine	3.826	169682	∞	42.32	100437.0	4567	1072.135 ng/ml
Bromazolam	5.798	250012	3132.0	98.95	∞	10269	992.997 ng/ml
Buprenorphine	6.475	582701	25969.6	15.58	6709.0	87734	93.649 ng/ml
Bupropion	5.546	4713489	386127.7	61.77	∞	218973	886.304 ng/ml
Carisoprodol	5.698	154689	465796.0	88.75	∞	8705	1023.369 ng/ml
Citalopram	5.291	2400062	373032.5	40.33	589765.4	115814	928.123 ng/ml
Clonazepam	5.591	265513	15268.4	36.80	66945.1	5433	896.839 ng/ml
Clonazolam	5.532	183604	10022281.9	38.25	171821.7	20665	1102.434 ng/ml
Cocaine	4.634	3976282	622241.9	44.62	344257.6	457026	673.942 ng/ml
Codeine	3.790	486136	∞	95.81	∞	57593	536.595 ng/ml
Cyclobenzaprine	5.718	1458349	239282.0	9.26	273050.3	49594	921.160 ng/ml
Dextromethorphan	5.336	3146345	2184922.1	74.86	97517.6	140610	1035.034 ng/ml
Dextrorphan	4.150	3525649	246690.1	45.15	167108.4	166009	996.313 ng/ml
Diazepam	5.920	378637	∞	70.01	16491.5	19577	927.016 ng/ml
Dihydrocodeine	3.289	1087921	3436.7	66.83	888.9	88044	739.724 ng/ml
Diphenhydramine	5.415	14408441	∞	29.05	815613.8	650023	964.476 ng/ml
Doxylamine	4.660	14830019	678454.4	89.16	∞	502089	1028.138 ng/ml
Duloxetine	5.649	371893	7047.1	10.24	1619.4	12851	914.940 ng/ml
EDDP	5.252	7083176	933239.8	41.83	1312224.3	339534	990.848 ng/ml
Etizolam	5.804	98161	15889.4	396.98	68845.8	19577	1049.627 ng/ml
Fentanyl	5.746	229579	∞	166.66	92535.7	109419	101.270 ng/ml
Fluorofentanyl	5.787	367443	667.5	104.39	24801.2	1283	113.291 ng/ml
Fluoxetine	5.722	793561	10634.6	6.79	∞	30181	956.784 ng/ml
Hydrocodone	3.959	2233884	∞	35.16	∞	178960	848.201 ng/ml
Hydromorphone	2.759	1567230	∞	81.16	∞	45379	1180.795 ng/ml
Hydroxyzine	5.969	4528168	165044.5	113.41	∞	650023	839.246 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.289	2032897	∞	36.90	9314.8	110641	809.143 ng/ml
Lamotrigine	4.425	295453	89913.0	96.26	26760.9	127670	854.141 ng/ml
Lorazepam	5.731	37435	17136.9	54.38	1081.1	19577	1065.361 ng/ml
MDA	3.179	2171154	63878.1	30.25	22114.1	117243	765.405 ng/ml
MDMA	3.301	2625546	121150.7	98.09	76046.8	26134	968.675 ng/ml
Meprobamate	4.862	547732	26542.5	40.50	14388.7	25381	919.506 ng/ml
Methadone	5.669	7659674	∞	46.39	∞	316486	896.831 ng/ml
Methamphetamine	3.226	6194677	∞	38.60	∞	325394	724.143 ng/ml
Metoprolol	4.358	725728	112452.0	101.29	105089.7	117243	931.700 ng/ml
Mirtazapine	5.739	1902130	44727.2	44.60	201753.8	49594	827.694 ng/ml
Mitragynine	5.761	1624713	972607.0	35.20	113953.7	449323	842.534 ng/ml
Morphine	2.370	402497	9293.9	19.28	2634.6	5865	962.939 ng/ml
Norbuprenorphine	5.119	57365	258164.7	101.91	76265.7	9217	103.507 ng/ml
Nordiazepam	5.879	194857	12437.4	65.57	15728.6	6882	969.054 ng/ml
Norfentanyl	4.060	225794	10863.0	29.79	∞	398030	76.416 ng/ml
Norhydrocodone	3.106	471525	14719.4	47.78	3675.3	51480	944.700 ng/ml
Noroxycodone	2.932	1686219	5773.9	44.86	∞	68101	946.507 ng/ml
O-desmethyl-tramadol	3.443	9960975	533833.0	6.78	102827.4	522018	912.125 ng/ml
O-Desmethylvenlafaxine	4.088	2491774	13262.6	567.66	101587.9	104197	939.099 ng/ml
Olanzapine	5.496	2686261	∞	50.70	39979.6	115679	622.242 ng/ml
Oxazepam	5.733	52026	82775.9	70.91	∞	2476	1013.941 ng/ml
Oxycodone	3.600	4421612	∞	27.32	33148.8	224112	856.540 ng/ml
Oxymorphone	2.247	3062553	∞	43.01	∞	167633	730.940 ng/ml
Phentermine	3.763	791548	∞	9.78	11415.8	167528	600.605 ng/ml
Promethazine	5.754	2397062	145855.2	43.04	43209.0	101344	1030.828 ng/ml
Pseudoephedrine	2.573	10313153	∞	17.10	∞	449323	988.432 ng/ml
Quetiapine	5.937	5109615	253532.8	59.49	104425.0	95273	874.529 ng/ml
Sertraline	5.842	988710	∞	104.52	1000126.1	38067	1107.407 ng/ml
Temazepam	5.806	520477	∞	31.64	33987.1	20665	1065.194 ng/ml
Tramadol	4.338	333993	2021.6	2607.4	∞	528834	862.133 ng/ml
Trazodone	5.959	2638457	71129.3	138.20	∞	152599	1034.874 ng/ml
Venlafaxine	5.101	8123581	∞	35.00	218516.6	445871	1043.225 ng/ml
Xylazine	4.218	533795	2107.2	138.41	1441.6	96090	975.446 ng/ml
Zolpidem	5.706	6016147	1142419.4	30.35	∞	253030	1040.110 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.289	483309	64167.9	35.87	∞	191032	111.104 ng/ml
Lamotrigine	4.420	40220	3208.7	103.25	3242.1	147667	99.435 ng/ml
Lorazepam	5.731	10079	14848.7	52.71	136.2	50303	103.812 ng/ml
MDA	3.174	624167	9345.2	30.47	∞	230533	111.333 ng/ml
MDMA	3.285	433062	28394.2	98.98	37871.2	45267	92.272 ng/ml
Meprobamate	4.862	63133	7804.8	39.82	2340.9	24346	109.793 ng/ml
Methadone	5.674	1074353	28142.8	49.35	22342.4	392629	101.339 ng/ml
Methamphetamine	3.215	955069	∞	38.78	∞	334519	105.460 ng/ml
Metoprolol	4.348	154304	16564.0	96.32	20253.4	230533	100.956 ng/ml
Mirtazapine	5.739	771227	∞	49.89	155513.4	153492	107.368 ng/ml
Mitragynine	5.761	290617	32032.0	36.58	31782.2	548985	122.051 ng/ml
Morphine	2.380	58786	5709.9	18.51	586.7	6684	122.795 ng/ml
Norbuprenorphine	5.114	8925	6283.0	102.37	14988.3	14243	10.323 ng/ml
Nordiazepam	5.879	33833	3266.1	63.84	3905.3	11932	96.701 ng/ml
Norfentanyl	4.070	39234	1342.1	30.92	5690.9	480095	10.958 ng/ml
Norhydrocodone	3.076	49706	1588.7	52.08	1039.5	59806	86.841 ng/ml
Noroxycodone	2.896	262461	∞	44.71	∞	97036	103.256 ng/ml
O-desmethyl-tramadol	3.428	1163278	49193.1	7.40	13951.8	509595	108.875 ng/ml
O-Desmethylvenlafaxine	4.088	326981	853.2	560.52	27255.6	119465	107.519 ng/ml
Olanzapine	5.502	465868	29724.4	49.45	24895.4	120258	103.409 ng/ml
Oxazepam	5.733	15912	1052.4	59.77	605.0	6716	113.732 ng/ml
Oxycodone	3.590	577517	∞	30.36	∞	231773	107.412 ng/ml
Oxymorphone	2.252	417198	∞	43.70	∞	166446	99.887 ng/ml
Phentermine	3.768	162568	2205.2	10.98	3496.1	205542	99.936 ng/ml
Promethazine	5.754	588070	24141.8	47.77	12223.0	282225	91.497 ng/ml
Pseudoephedrine	2.568	1279791	137046.3	17.75	∞	548985	100.584 ng/ml
Quetiapine	5.942	957413	26079.5	61.58	∞	135526	114.192 ng/ml
Sertraline	5.842	181194	254982.9	107.35	183213.8	81014	95.800 ng/ml
Temazepam	5.800	143372	2644.1	29.80	351.7	59639	102.039 ng/ml
Tramadol	4.338	44611	1472.4	2533.56	∞	575092	105.201 ng/ml
Trazodone	5.954	595567	14831.3	137.39	∞	339812	104.309 ng/ml
Venlafaxine	5.101	857941	54565.9	36.78	35541.3	502811	98.747 ng/ml
Xylazine	4.228	69315	119.0	135.53	389.0	111825	107.412 ng/ml
Zolpidem	5.706	1198794	231267.7	30.59	2307457.8	525807	99.672 ng/ml

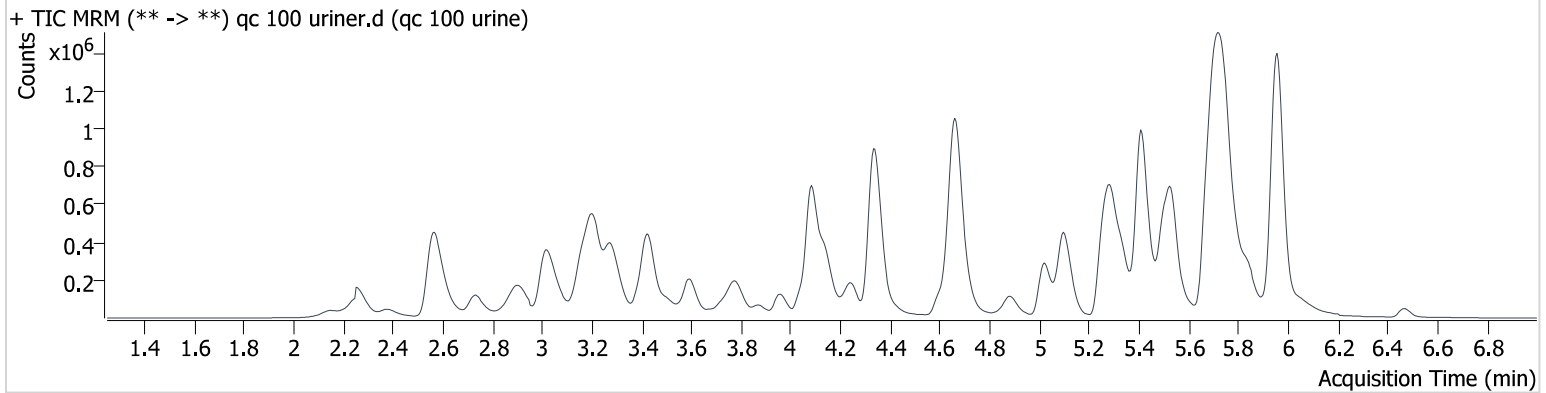
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
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Injection Volume 3
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Data File qc 100 uriner.d
Sample qc 100 urine
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.794	14664	27389.6	125.18	∞	43391	10.821 ng/ml
7-aminoclonazepam	4.246	150453	8849.4	120.97	10952.2	75288	95.658 ng/ml
a-hydroxyalprazolam	5.668	10156	1304.0	66.71	∞	6767	93.181 ng/ml
alpha-PHP	5.504	223020	33513.5	243.28	234020.2	230533	89.890 ng/ml
alpha-PVP	5.020	655603	36708.8	57.90	58393.1	278657	104.545 ng/ml
Alprazolam	5.753	144972	∞	96.50	4063.3	51852	101.231 ng/ml
Amphetamine	3.022	443549	∞	257.65	235780.9	147667	107.052 ng/ml
Benzoylcegonine	3.816	16069	∞	44.55	1482.4	4833	96.113 ng/ml
Bromazolam	5.793	67902	2378.2	93.49	1609.6	28997	95.749 ng/ml
Buprenorphine	6.475	61411	19327.4	15.06	1205.7	84862	10.213 ng/ml
Bupropion	5.536	774809	486626.5	64.40	50869.0	303629	104.653 ng/ml
Carisoprodol	5.703	89188	5056177.2	101.63	5453.5	51272	99.789 ng/ml
Citalopram	5.297	525565	15418.0	38.48	8182.6	229262	102.452 ng/ml
Clonazepam	5.585	27702	3381.6	39.50	∞	5487	91.334 ng/ml
Clonazolam	5.527	34882	∞	37.51	7192.4	59639	73.397 ng/ml
Cocaine	4.638	568039	53254.7	46.54	16022.6	412981	106.102 ng/ml
Codeine	3.780	91004	29455.3	95.29	8076.0	52485	109.579 ng/ml
Cyclobenzaprine	5.713	492903	64973.3	8.22	485155.9	153492	100.407 ng/ml
Dextromethorphan	5.341	418844	19309.8	74.44	609931.1	194819	99.628 ng/ml
Dextrorphan	4.145	498181	∞	45.41	27089.5	237731	98.296 ng/ml
Diazepam	5.936	120176	2891.3	85.31	5593.7	50303	113.968 ng/ml
Dihydrocodeine	3.273	215606	809.1	66.35	787.1	121349	105.360 ng/ml
Diphenhydramine	5.415	1934510	60058.3	30.24	126637.4	870098	96.522 ng/ml
Doxylamine	4.665	1648844	217314.0	87.67	118147.7	549640	104.364 ng/ml
Duloxetine	5.665	109922	3702.5	9.63	137.2	33391	103.987 ng/ml
EDDP	5.257	849955	31567.7	41.78	28297.3	396224	102.287 ng/ml
Etizolam	5.793	21055	887.8	397.49	44760.3	50303	88.498 ng/ml
Fentanyl	5.746	54791	12127.0	139.58	4867.4	287751	9.185 ng/ml
Fluorofentanyl	5.782	65398	4644.4	109.24	∞	3113	8.536 ng/ml
Fluoxetine	5.722	544491	32103.9	6.17	1329597.9	190339	103.771 ng/ml
Hydrocodone	3.954	270271	3366.2	39.90	∞	177570	102.410 ng/ml
Hydromorphone	2.733	219835	∞	88.25	∞	80878	93.706 ng/ml
Hydroxyzine	5.964	783317	133.7	109.91	∞	870098	107.417 ng/ml

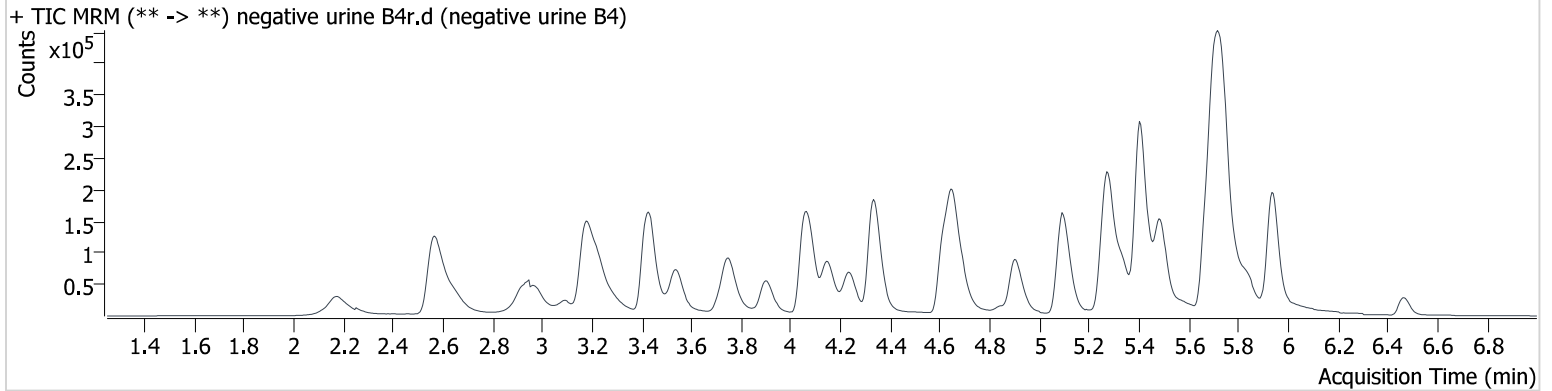
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Sample
Acq. Method mdqpp 113023.m
Sample Position P2-B4
Injection Volume 3
Acq. Date-Time 12/1/2023 12:27:41 AM
Sample Info.

Data File negative urine B4r.d
Sample negative urine B4
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

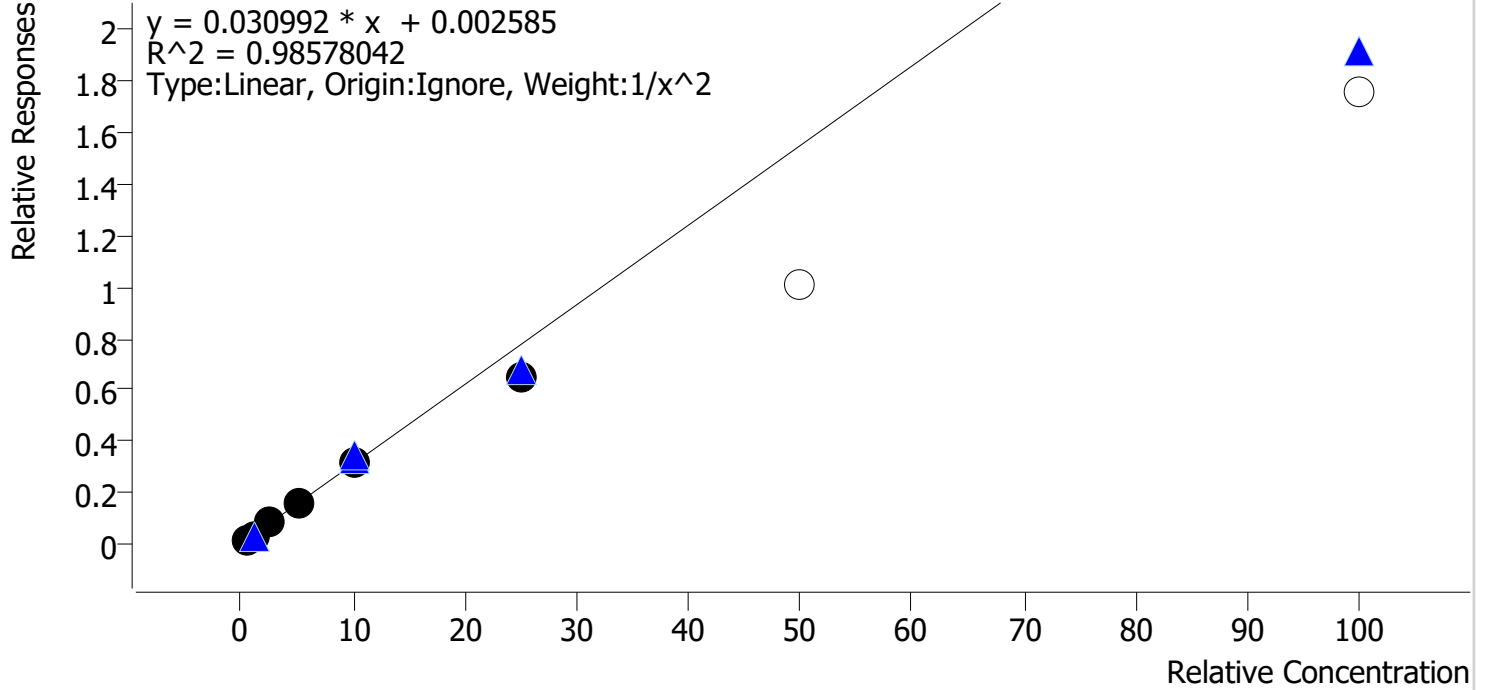
Sample Chromatogram



Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs

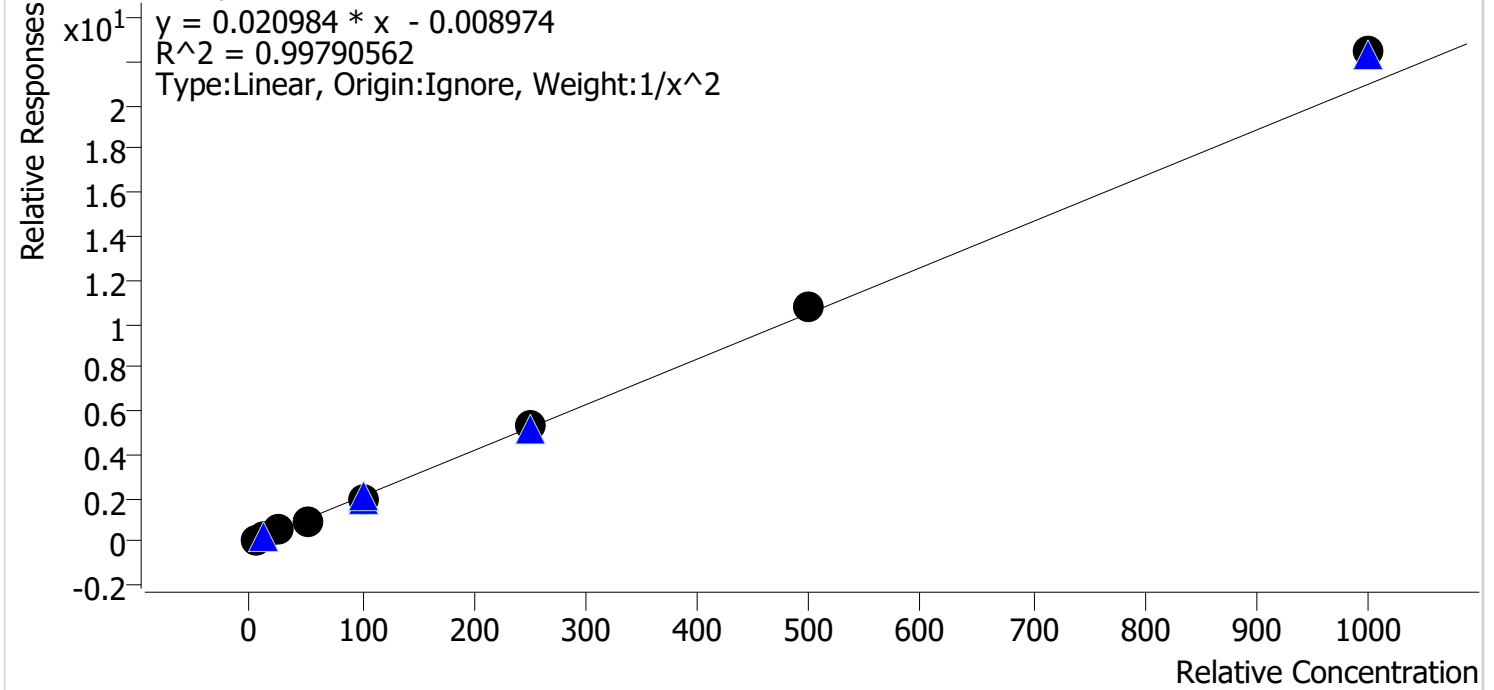


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.9
cal 2 mdq	2	✓	1.0	1.0	100.7
cal 3 mdq	3	✓	2.5	2.8	112.8
cal 4 mdq	4	✓	5.0	5.2	104.5
cal 5 mdq	5	✓	10.0	10.2	101.9
cal 6 mdq	6	✓	25.0	20.8	83.2
cal 7 mdq	7	✗	50.0	32.6	65.2
cal 8 mdq	8	✗	100.0	56.6	56.6

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

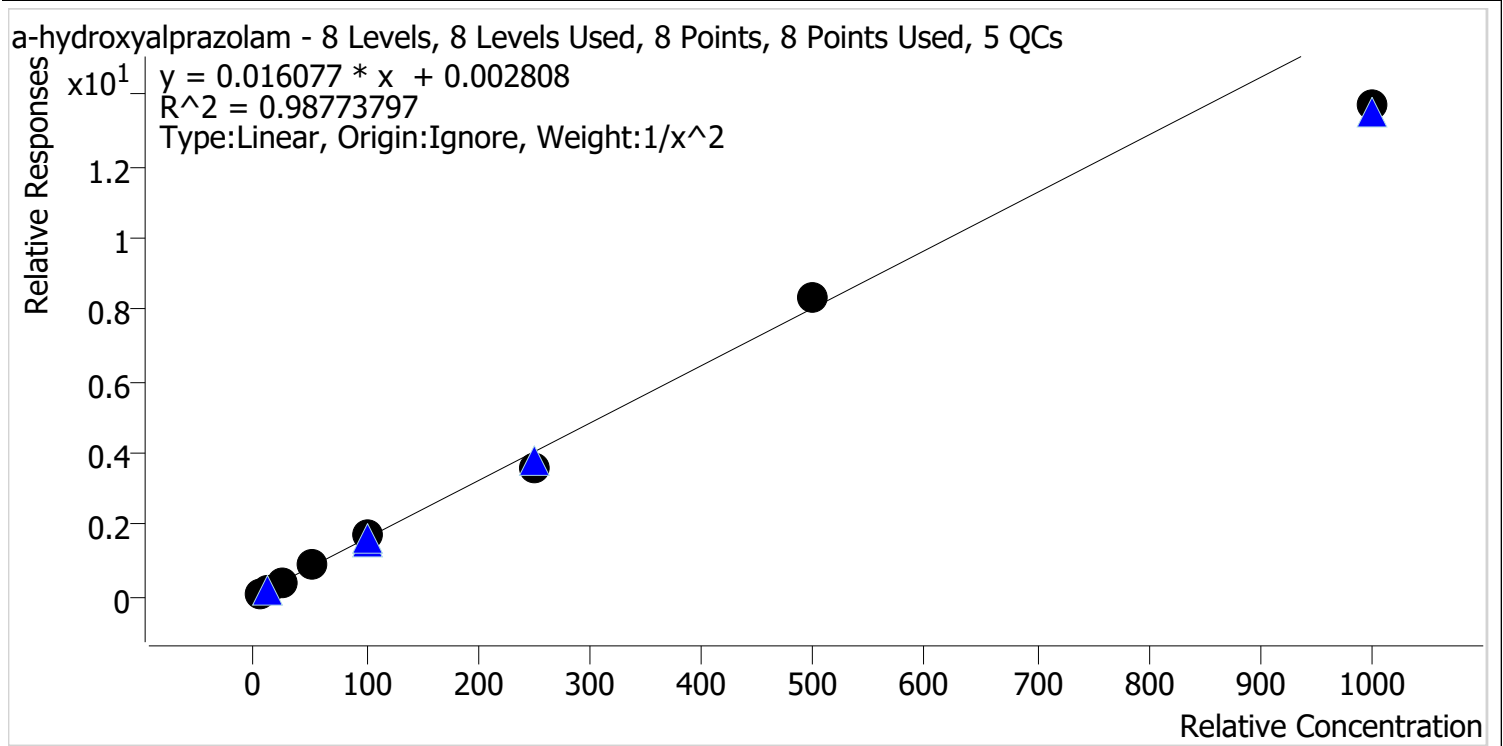
7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	48.0	96.1
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	251.6	100.6
cal 7 mdq	7	✓	500.0	510.6	102.1
cal 8 mdq	8	✓	1000.0	1071.4	107.1

Compound Calibration Report

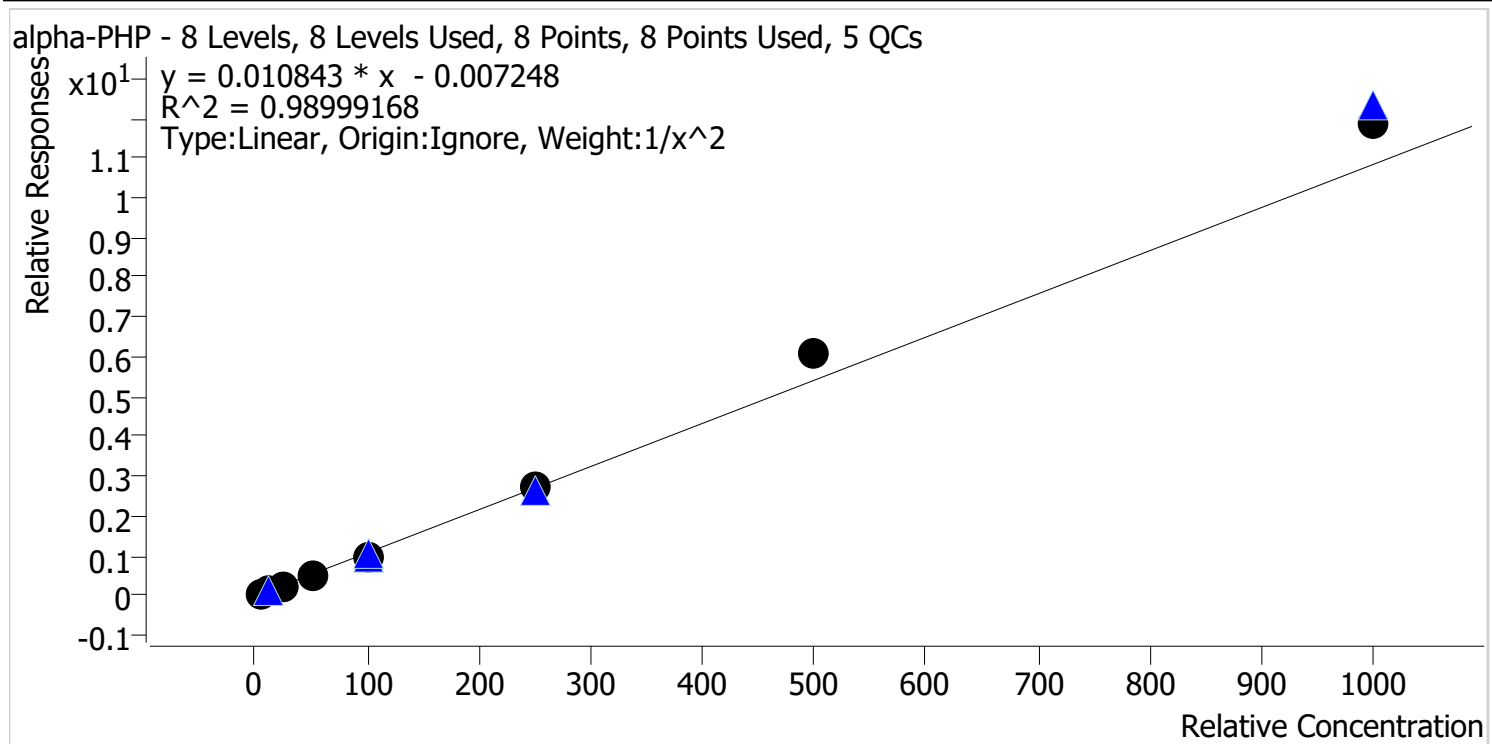
Batch results	D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.8
cal 2 mdq	2	✓	10.0	11.1	110.7
cal 3 mdq	3	✓	25.0	26.0	104.1
cal 4 mdq	4	✓	50.0	55.4	110.8
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	223.8	89.5
cal 7 mdq	7	✓	500.0	515.6	103.1
cal 8 mdq	8	✓	1000.0	851.8	85.2

Compound Calibration Report

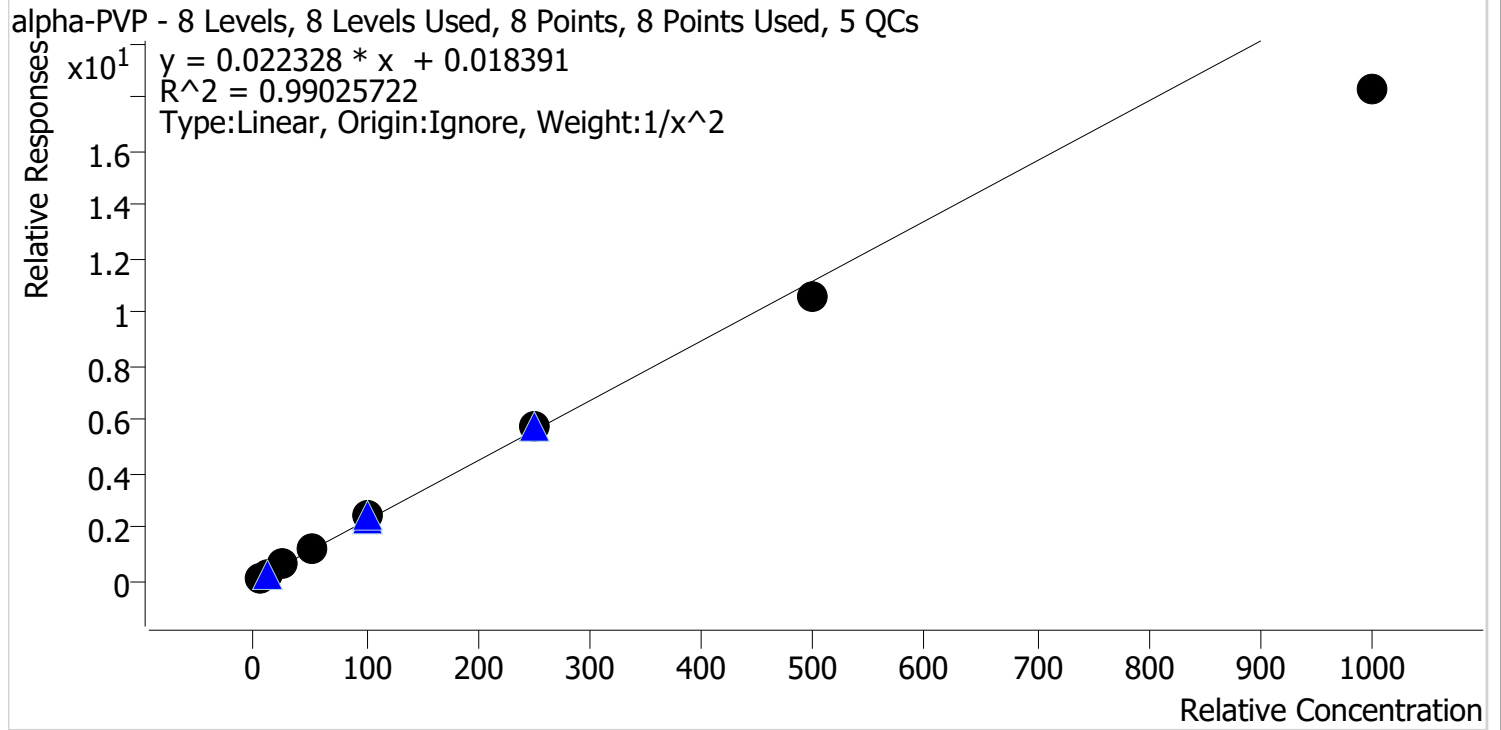
Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	22.3	89.3
cal 4 mdq	4	✓	50.0	46.3	92.6
cal 5 mdq	5	✓	100.0	92.8	92.8
cal 6 mdq	6	✓	250.0	255.9	102.4
cal 7 mdq	7	✓	500.0	562.9	112.6
cal 8 mdq	8	✓	1000.0	1097.7	109.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

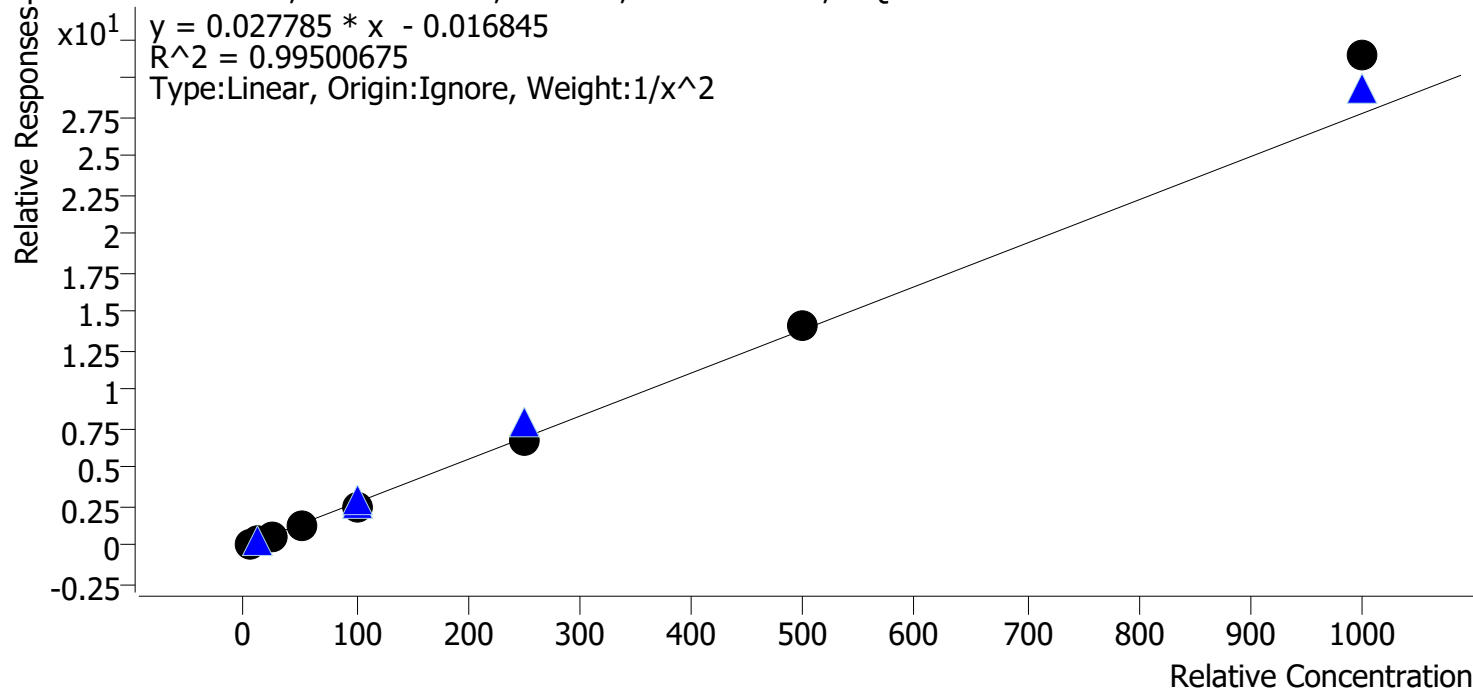


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	26.4	105.4
cal 4 mdq	4	✓	50.0	53.6	107.3
cal 5 mdq	5	✓	100.0	107.8	107.8
cal 6 mdq	6	✓	250.0	258.1	103.2
cal 7 mdq	7	✓	500.0	476.7	95.3
cal 8 mdq	8	✓	1000.0	819.1	81.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

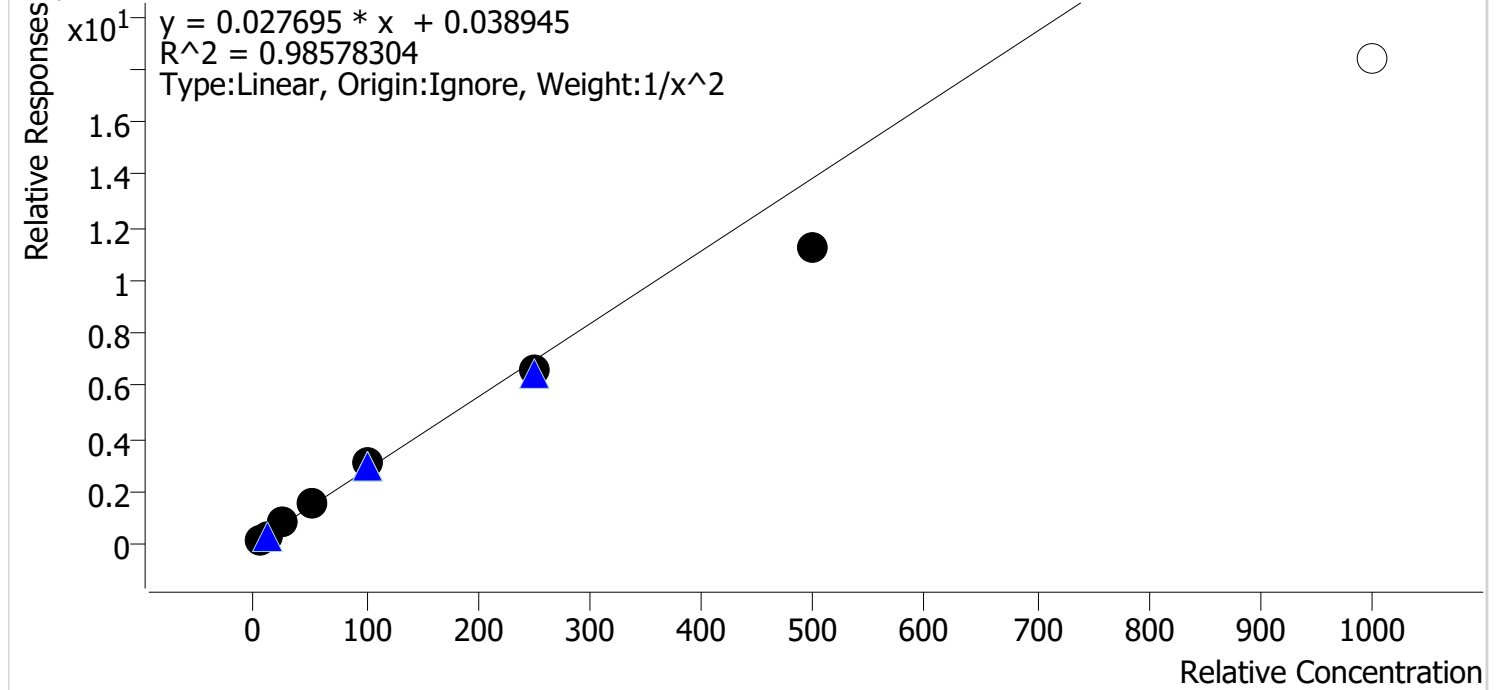


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	48.2	96.4
cal 5 mdq	5	✓	100.0	93.1	93.1
cal 6 mdq	6	✓	250.0	247.7	99.1
cal 7 mdq	7	✓	500.0	505.5	101.1
cal 8 mdq	8	✓	1000.0	1133.8	113.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

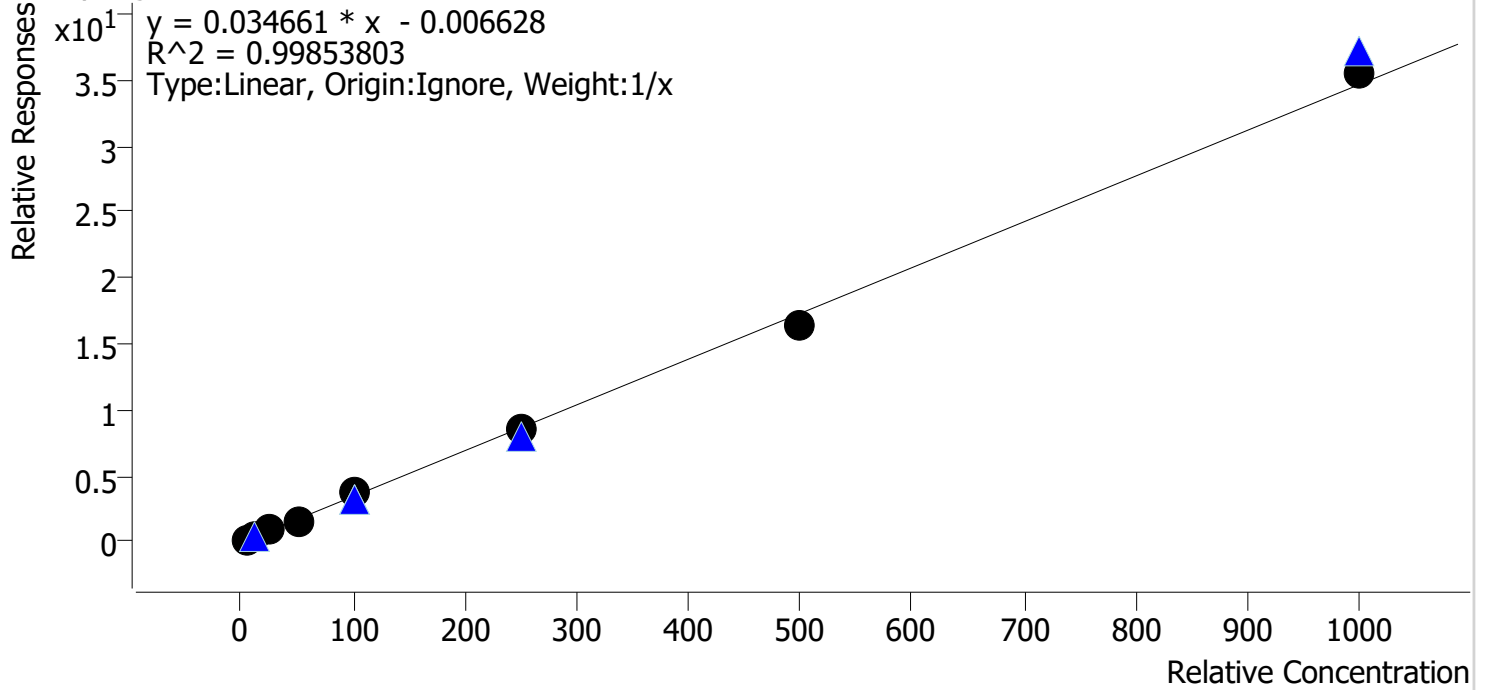


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	27.1	108.6
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	108.1	108.1
cal 6 mdq	6	✓	250.0	238.1	95.2
cal 7 mdq	7	✓	500.0	404.9	81.0
cal 8 mdq	8	✗	1000.0	665.0	66.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



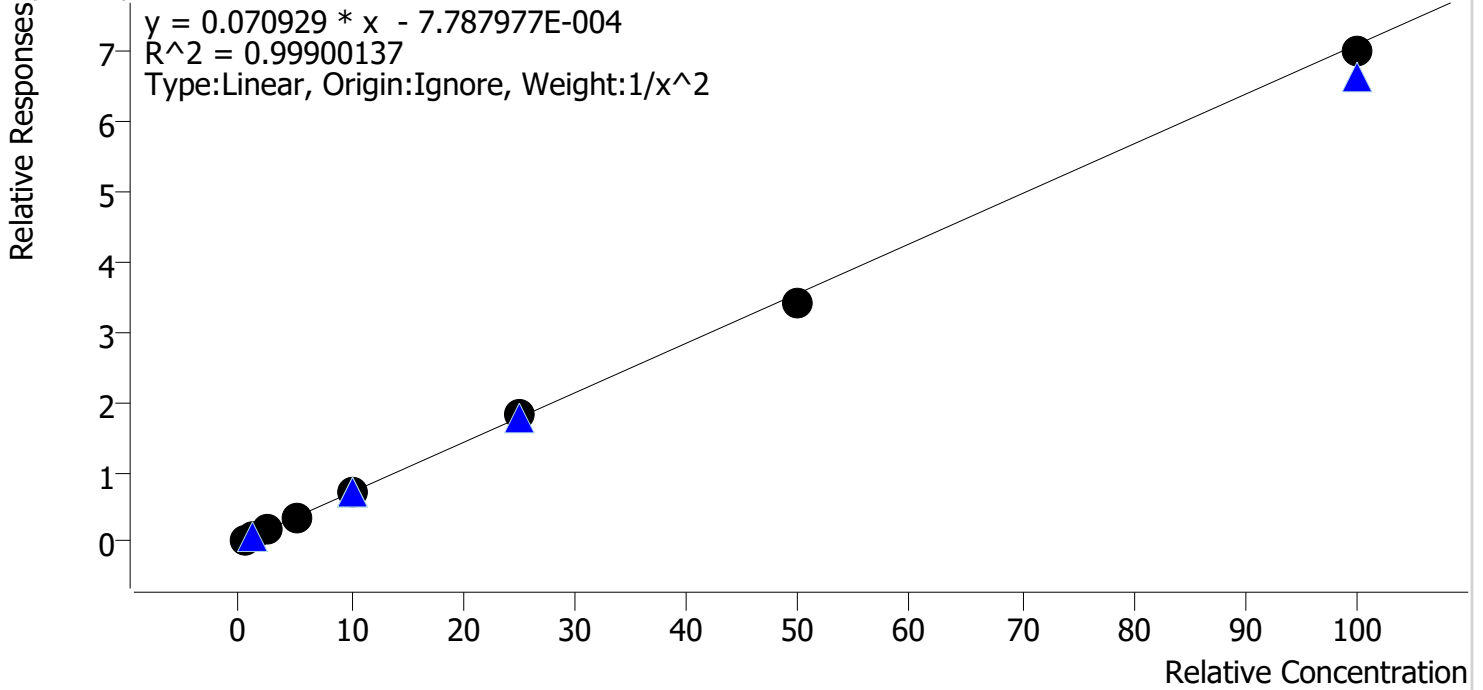
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.0
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	45.5	91.0
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	476.3	95.3
cal 8 mdq	8	✓	1000.0	1025.2	102.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Buprenorphine

Internal Standard Buprenorphine-D4

Buprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.1
cal 2 mdq	2	✓	1.0	1.0	102.3
cal 3 mdq	3	✓	2.5	2.5	98.2
cal 4 mdq	4	✓	5.0	5.0	99.6
cal 5 mdq	5	✓	10.0	10.3	103.4
cal 6 mdq	6	✓	25.0	25.8	103.2
cal 7 mdq	7	✓	50.0	47.8	95.7
cal 8 mdq	8	✓	100.0	98.6	98.6

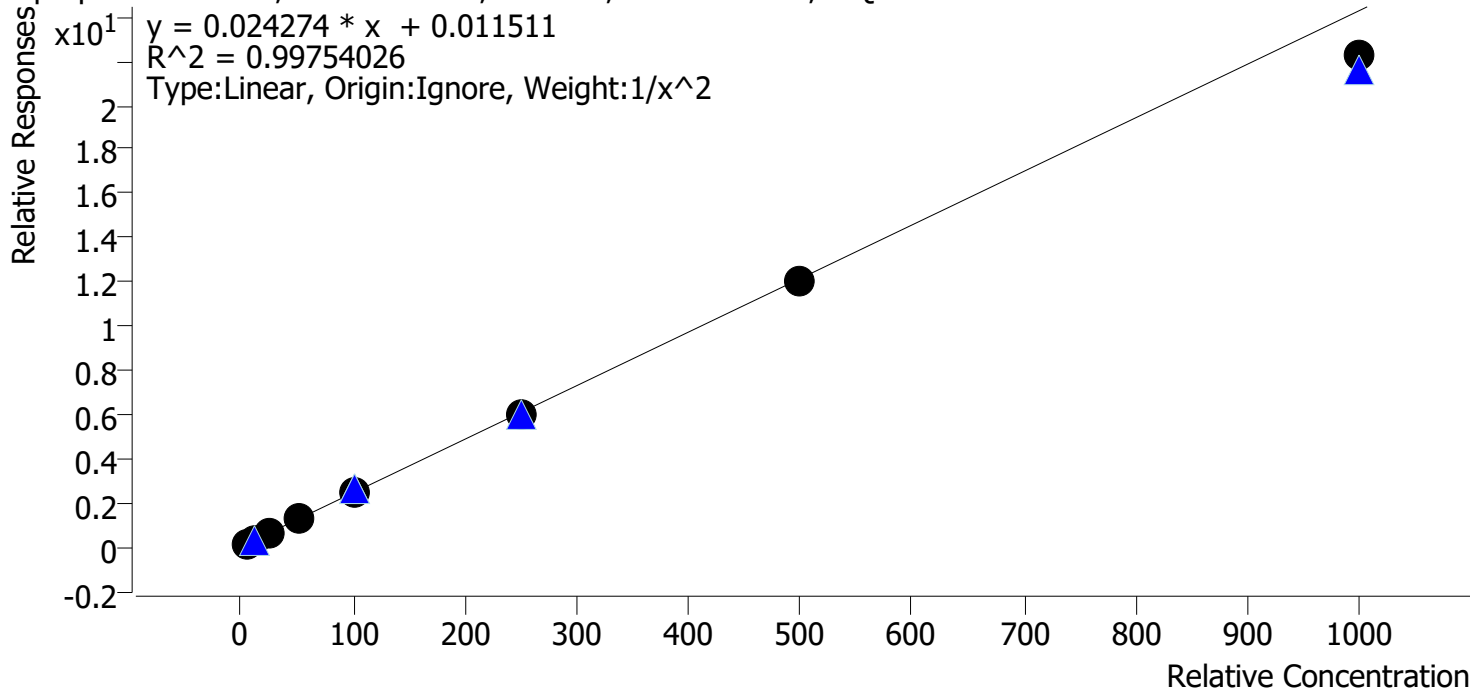
Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Bupropion

Internal Standard

Bupropion-D9

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

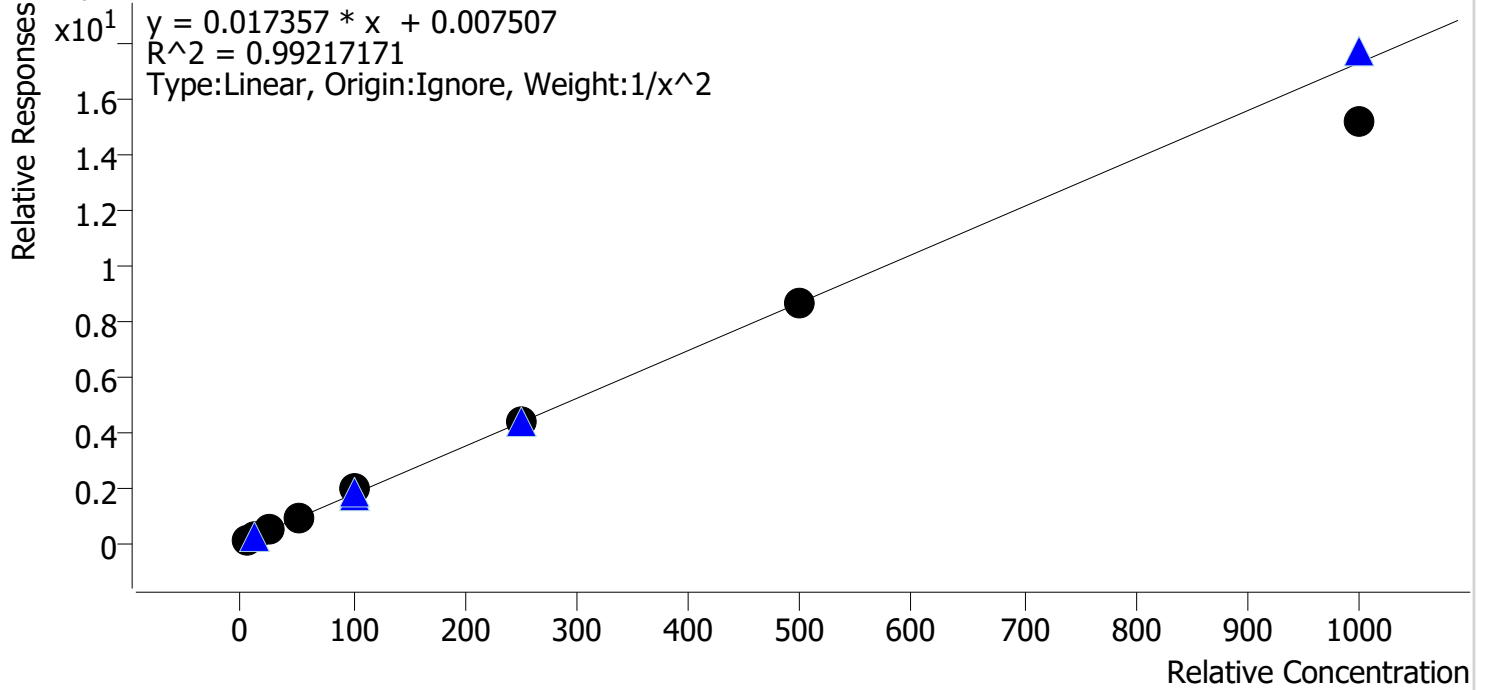


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	26.3	105.3
cal 4 mdq	4	✓	50.0	51.9	103.9
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	245.9	98.4
cal 7 mdq	7	✓	500.0	496.2	99.2
cal 8 mdq	8	✓	1000.0	916.1	91.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

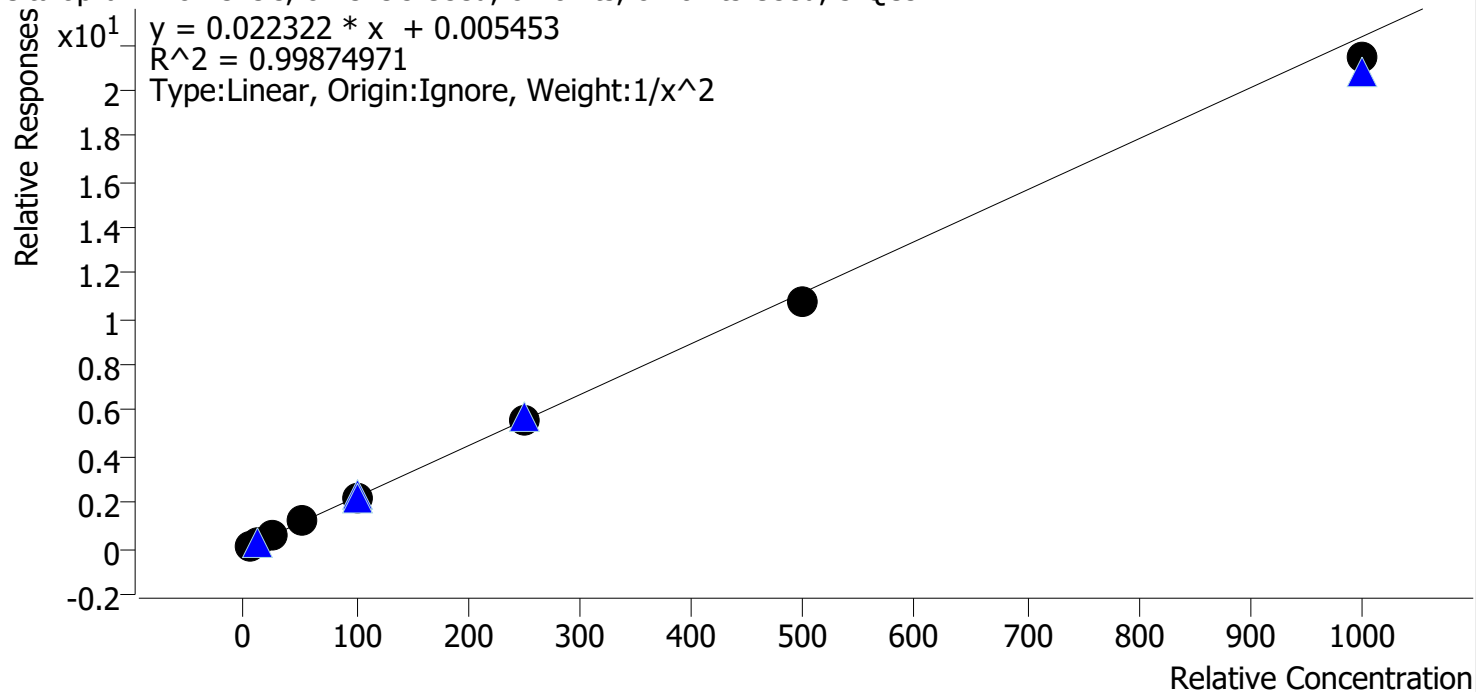


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.2	92.3
cal 3 mdq	3	✓	25.0	27.0	108.1
cal 4 mdq	4	✓	50.0	48.7	97.5
cal 5 mdq	5	✓	100.0	111.1	111.1
cal 6 mdq	6	✓	250.0	254.1	101.6
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	875.0	87.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



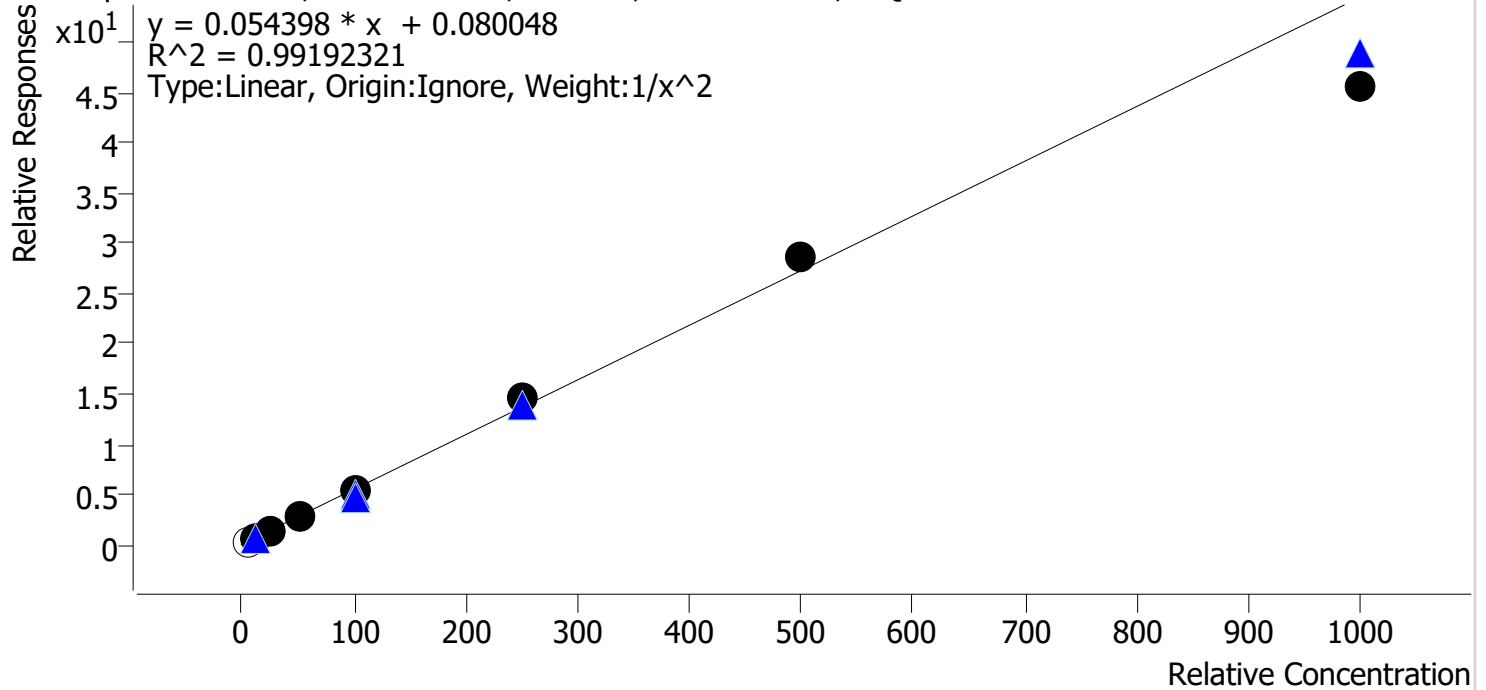
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	252.9	101.2
cal 7 mdq	7	✓	500.0	480.9	96.2
cal 8 mdq	8	✓	1000.0	958.9	95.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Clonazepam

Internal Standard Clonazepam-D4

Clonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

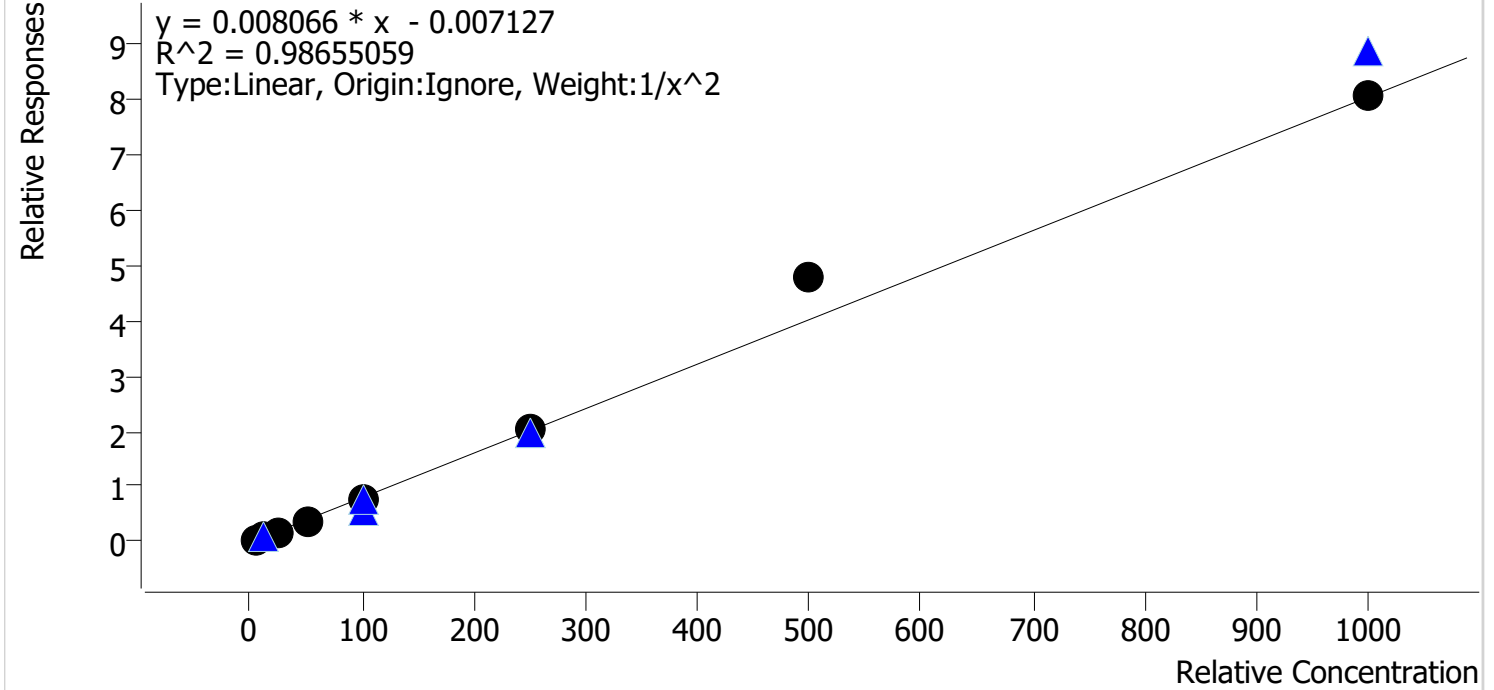


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	3.9	78.3
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	268.2	107.3
cal 7 mdq	7	✓	500.0	521.6	104.3
cal 8 mdq	8	✓	1000.0	836.9	83.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Temazepam-D5

Clonazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



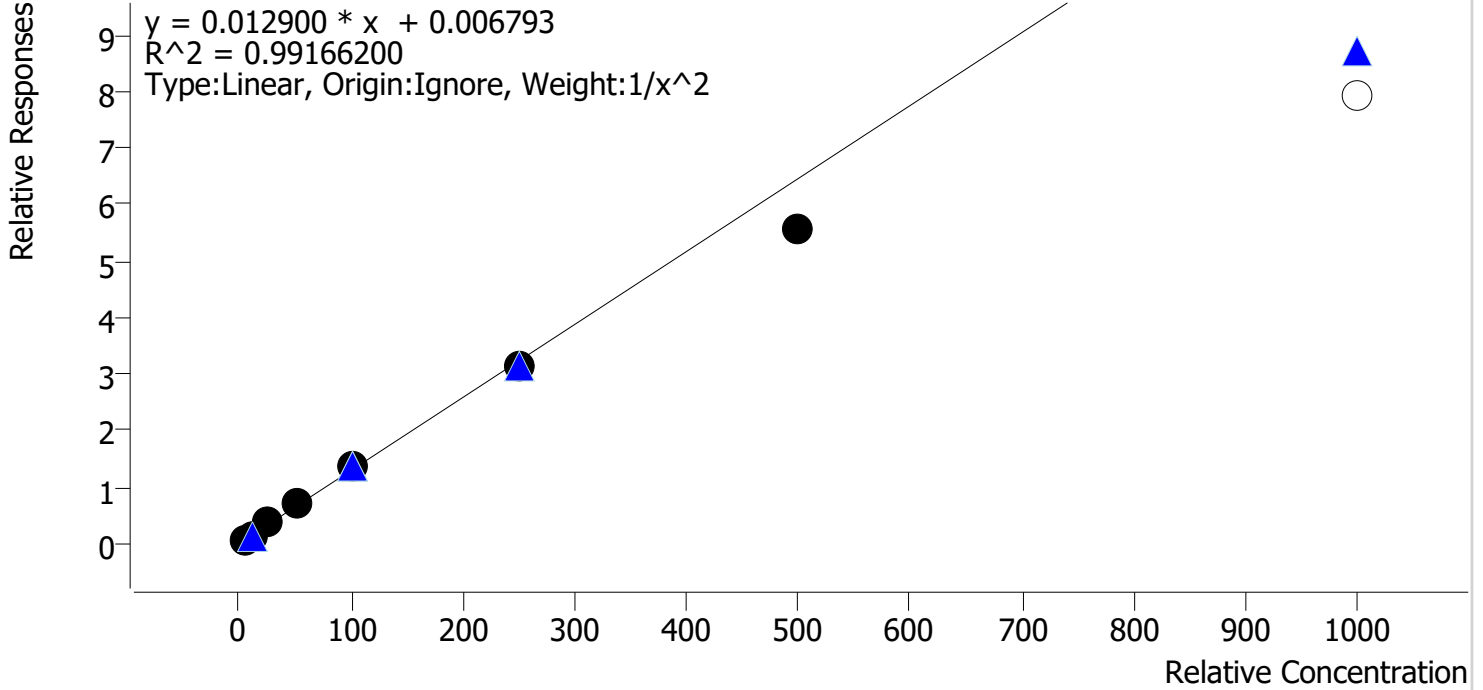
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.2
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	21.7	86.8
cal 4 mdq	4	✓	50.0	45.3	90.7
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	257.8	103.1
cal 7 mdq	7	✓	500.0	596.9	119.4
cal 8 mdq	8	✓	1000.0	1003.6	100.4



Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

Cocaine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

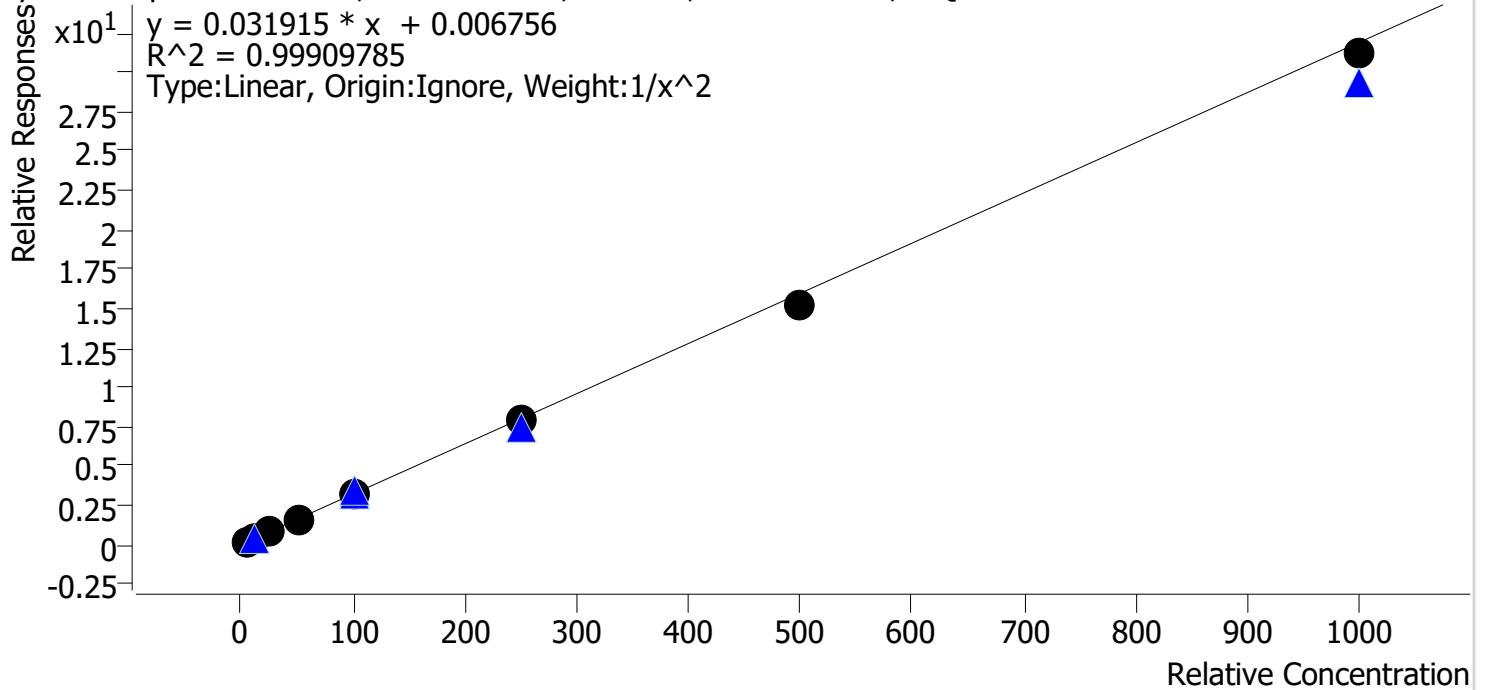


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	27.6	110.2
cal 4 mdq	4	✓	50.0	53.0	106.0
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	240.8	96.3
cal 7 mdq	7	✓	500.0	432.7	86.5
cal 8 mdq	8	x	1000.0	613.2	61.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

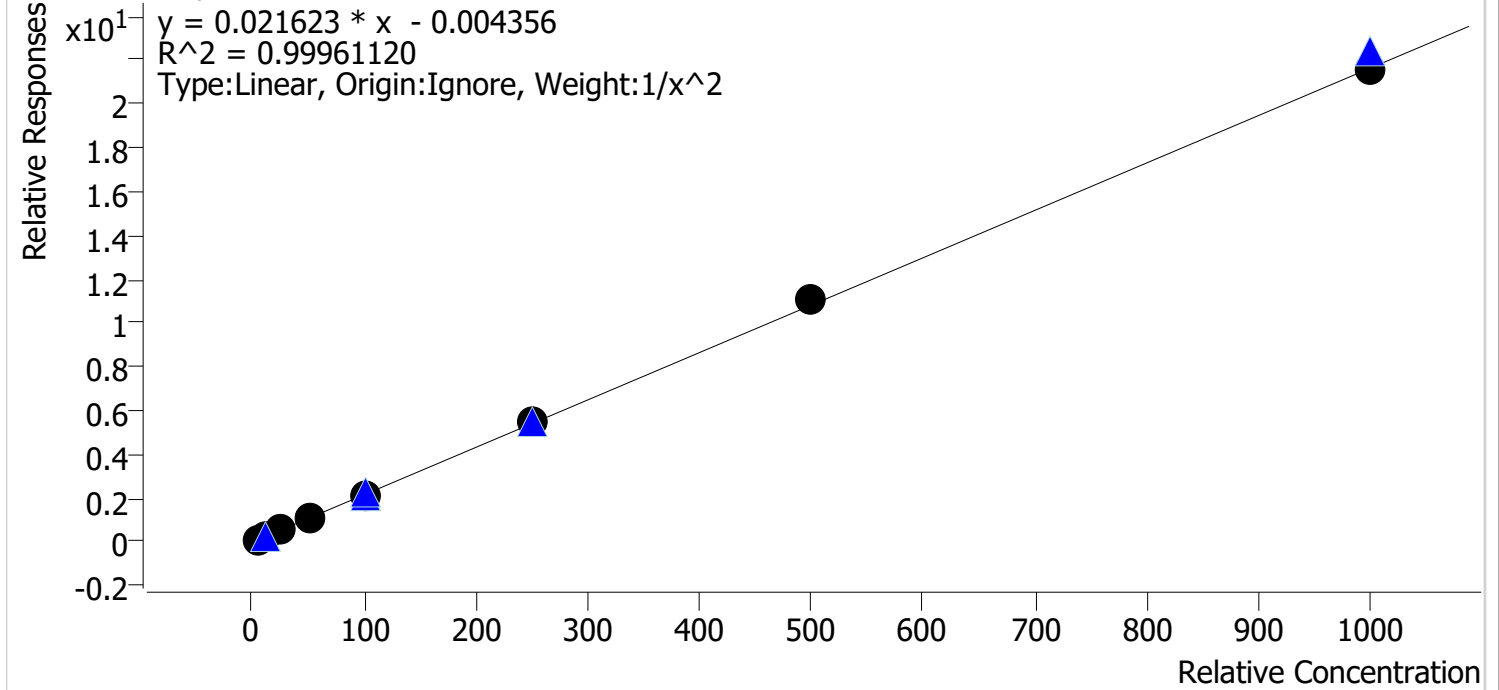


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	248.7	99.5
cal 7 mdq	7	✓	500.0	478.0	95.6
cal 8 mdq	8	✓	1000.0	977.6	97.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

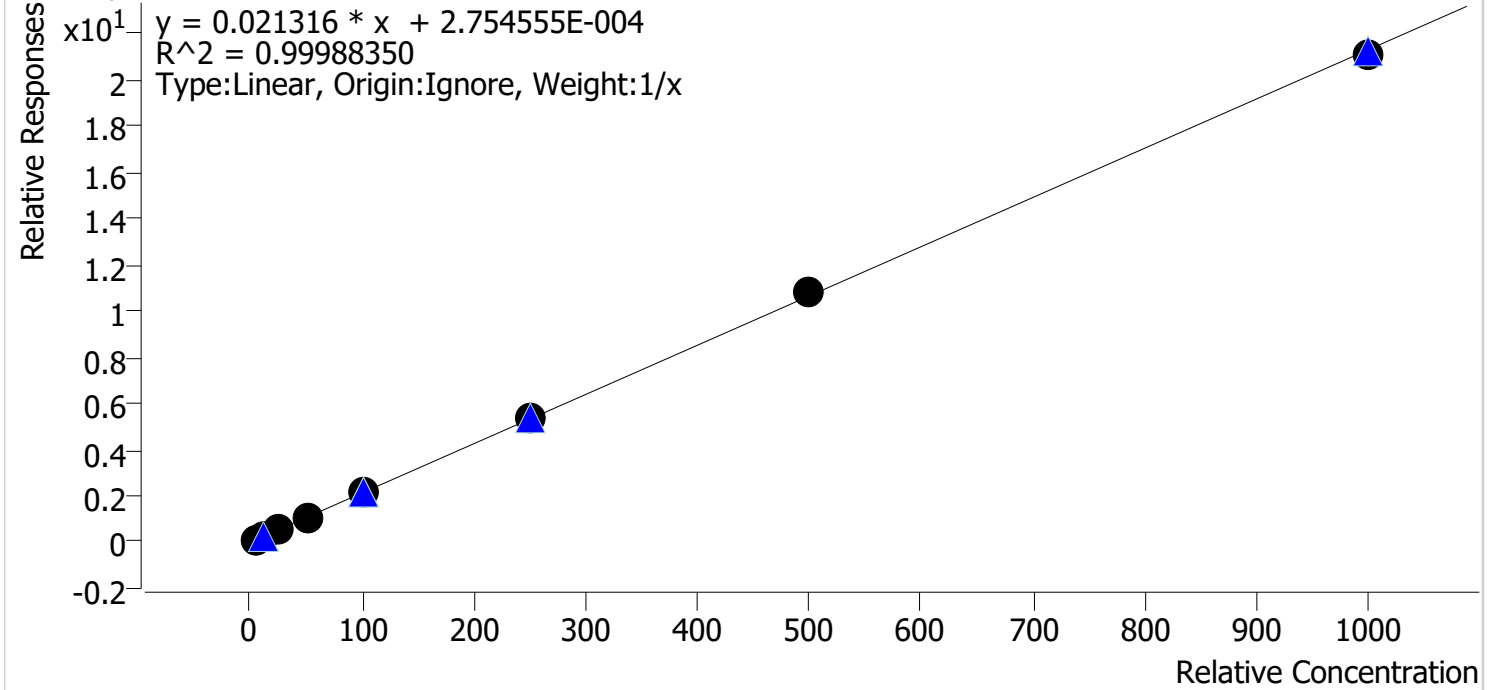


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.7	96.7
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	511.5	102.3
cal 8 mdq	8	✓	1000.0	1000.8	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

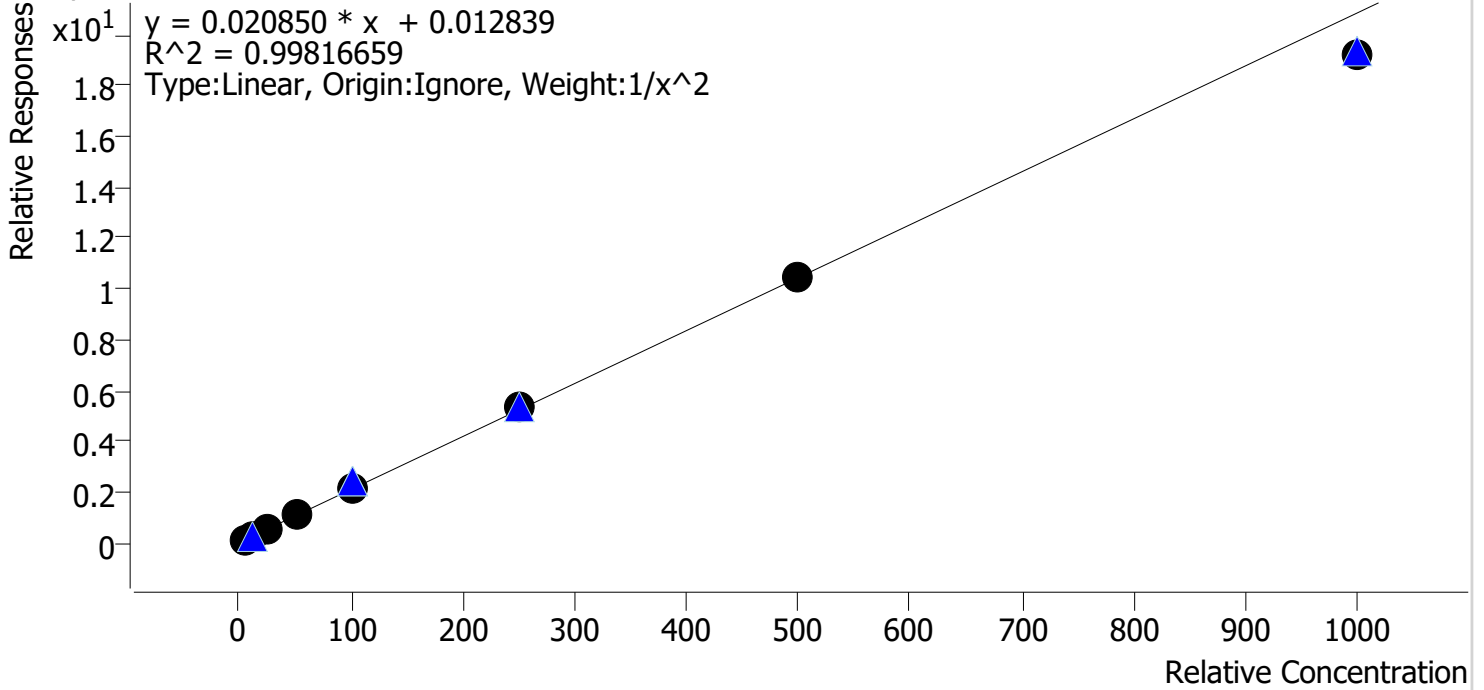


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.4	97.4
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	506.5	101.3
cal 8 mdq	8	✓	1000.0	991.6	99.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

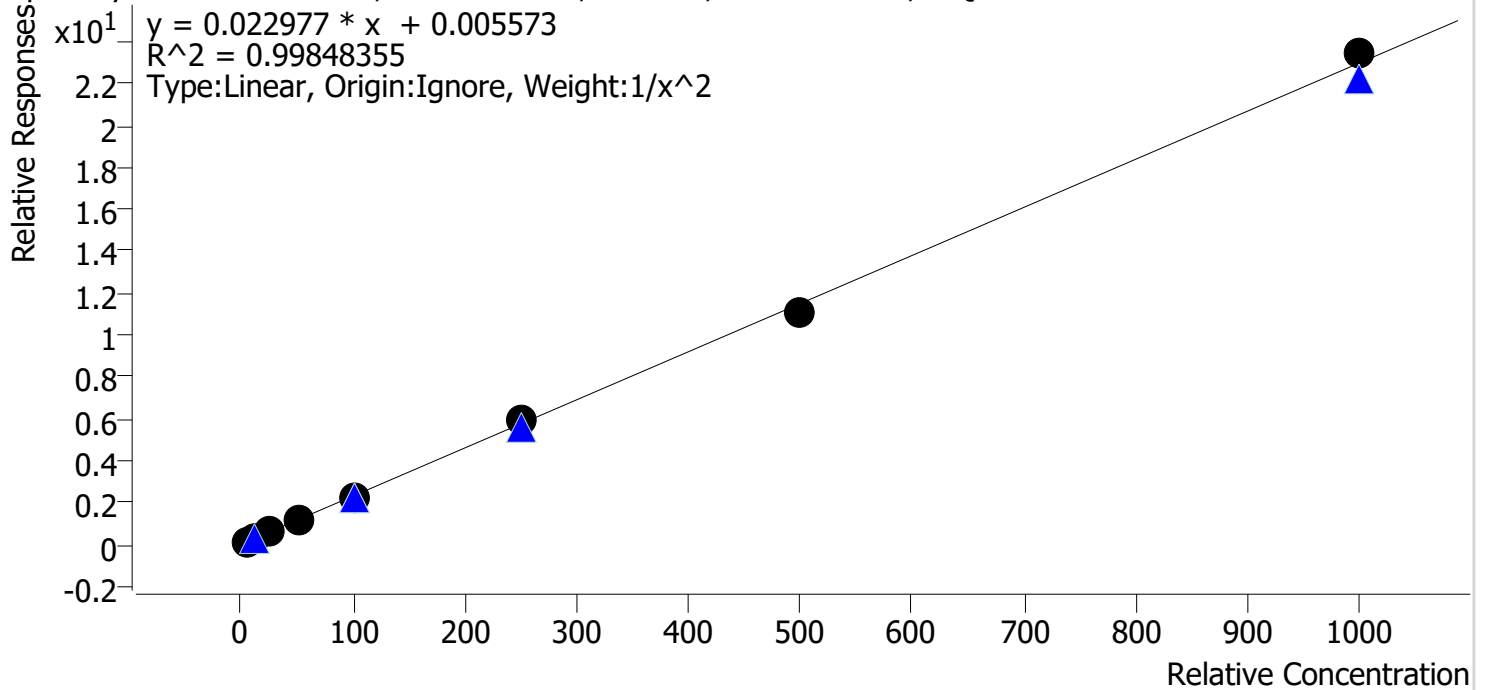


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	917.9	91.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

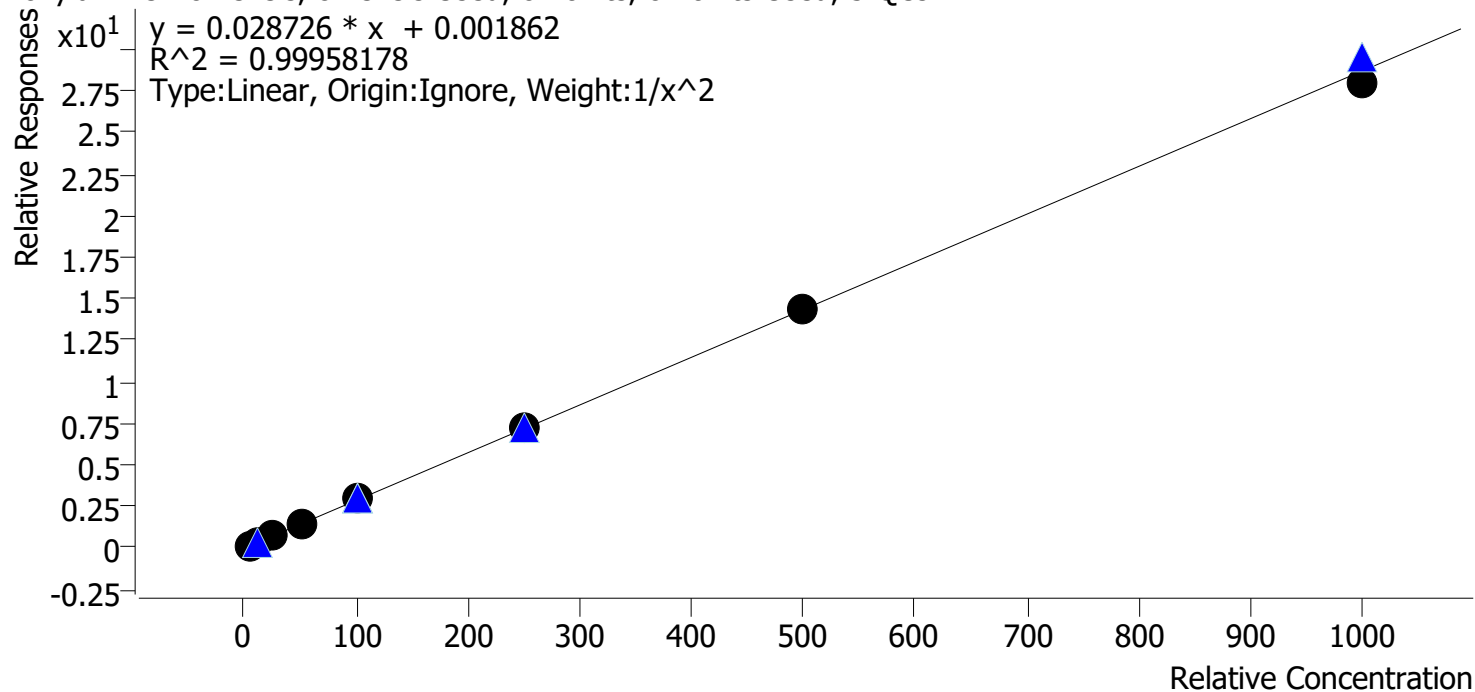


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	23.9	95.4
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	254.2	101.7
cal 7 mdq	7	✓	500.0	484.2	96.8
cal 8 mdq	8	✓	1000.0	1019.7	102.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

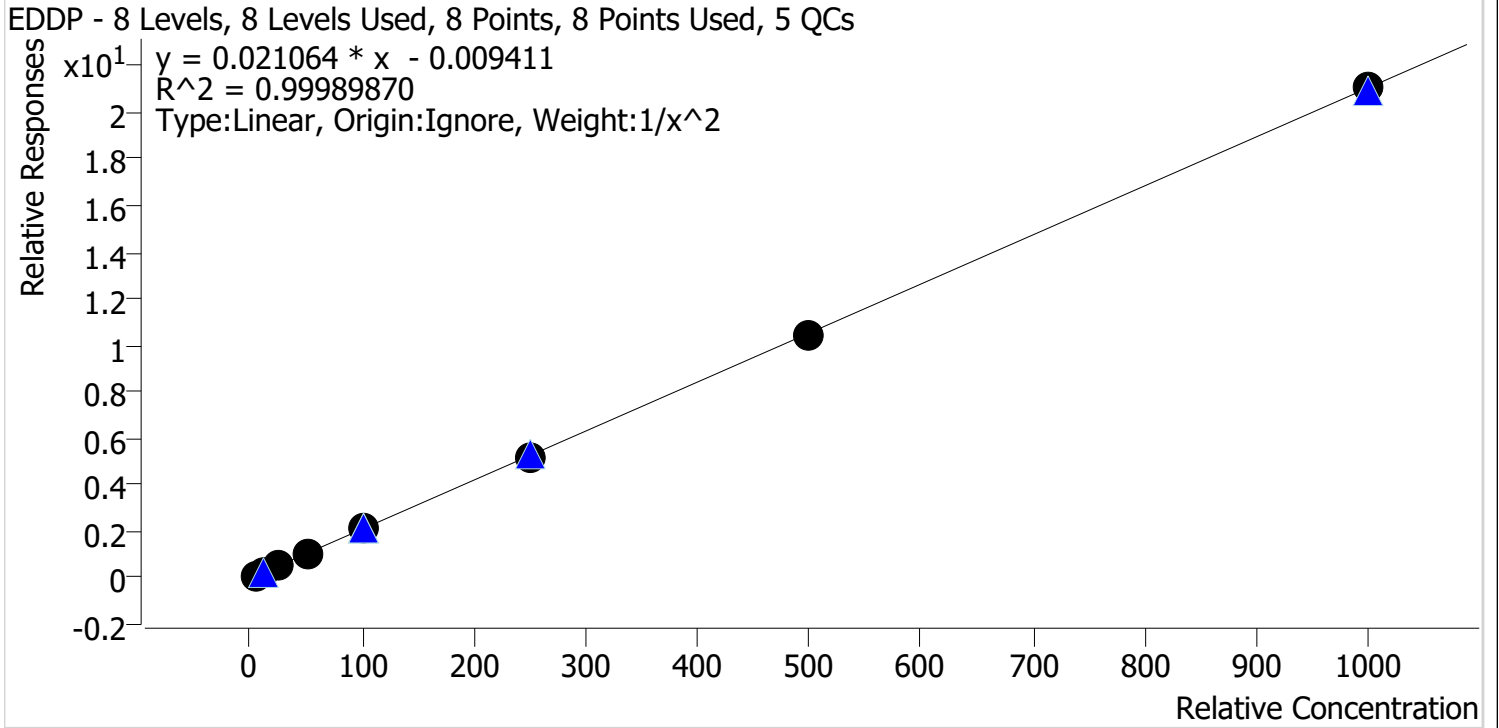


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	249.1	99.6
cal 7 mdq	7	✓	500.0	499.9	100.0
cal 8 mdq	8	✓	1000.0	975.8	97.6



Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

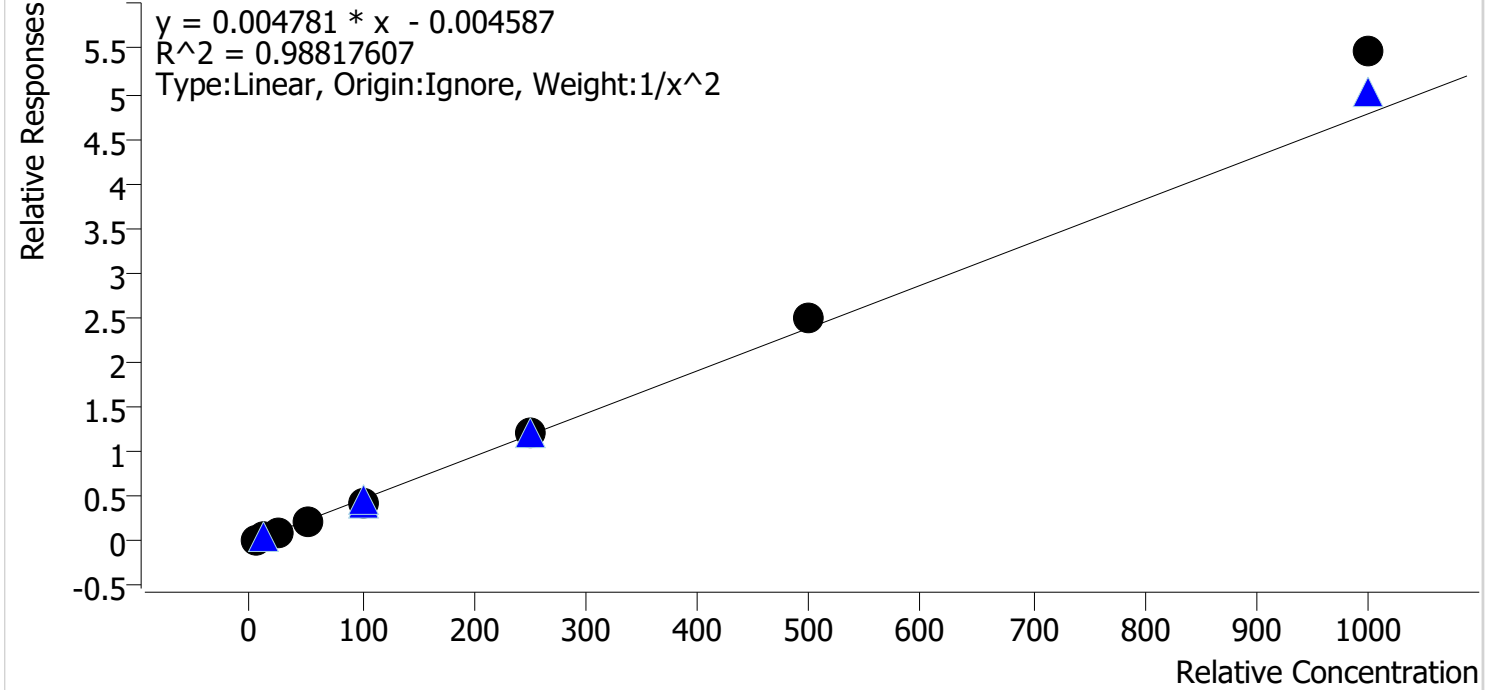


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	50.2	100.3
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	248.6	99.5
cal 7 mdq	7	✓	500.0	494.5	98.9
cal 8 mdq	8	✓	1000.0	1000.5	100.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Diazepam-D5

Etizolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

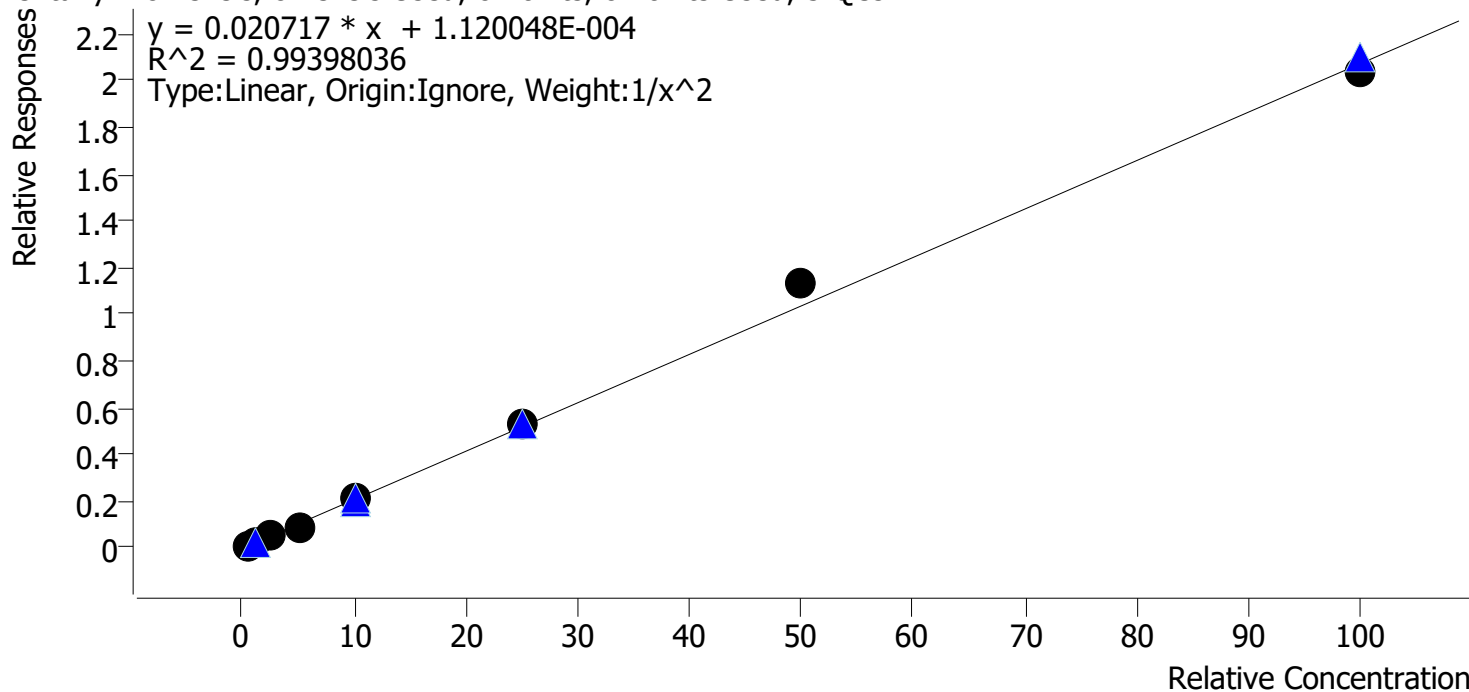


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.7
cal 2 mdq	2	✓	10.0	8.8	87.8
cal 3 mdq	3	✓	25.0	22.3	89.3
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	259.3	103.7
cal 7 mdq	7	✓	500.0	525.1	105.0
cal 8 mdq	8	✓	1000.0	1145.2	114.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



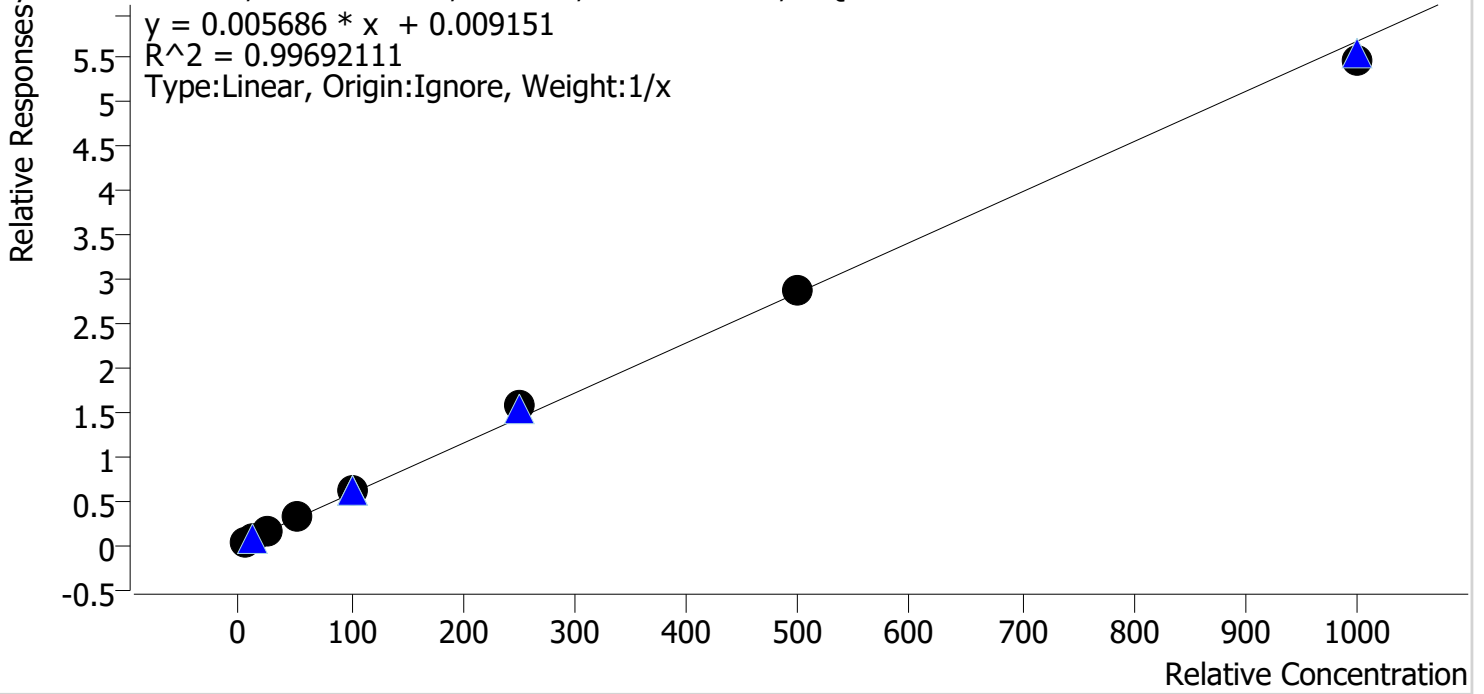
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	97.1
cal 2 mdq	2	✓	1.0	1.1	109.5
cal 3 mdq	3	✓	2.5	2.4	95.5
cal 4 mdq	4	✓	5.0	4.5	89.2
cal 5 mdq	5	✓	10.0	10.0	99.8
cal 6 mdq	6	✓	25.0	25.4	101.5
cal 7 mdq	7	✓	50.0	54.4	108.9
cal 8 mdq	8	✓	100.0	98.6	98.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12\1\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Xylazine

Internal Standard Xylazine - D6

Xylazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

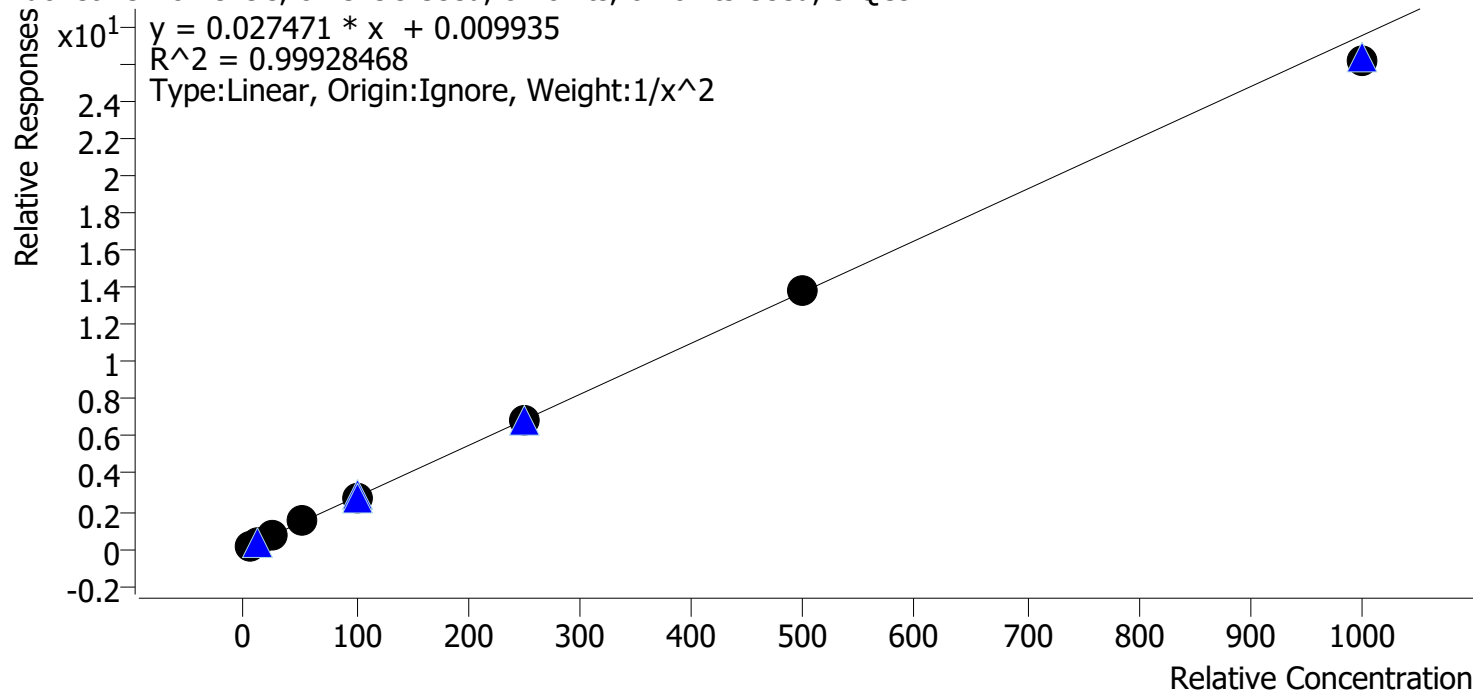


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.4
cal 2 mdq	2	✓	10.0	9.0	90.4
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	56.0	111.9
cal 5 mdq	5	✓	100.0	106.1	106.1
cal 6 mdq	6	✓	250.0	275.7	110.3
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	961.1	96.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

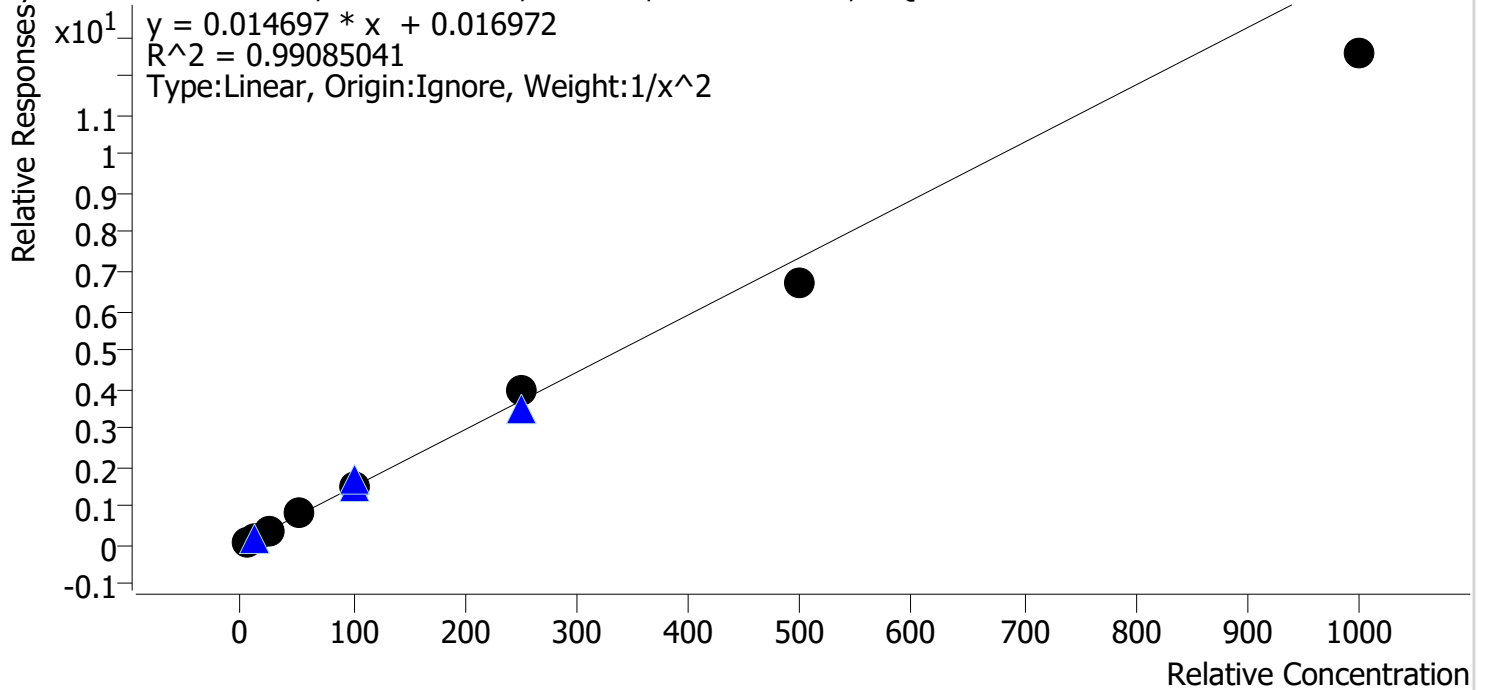


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	501.0	100.2
cal 8 mdq	8	✓	1000.0	953.9	95.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

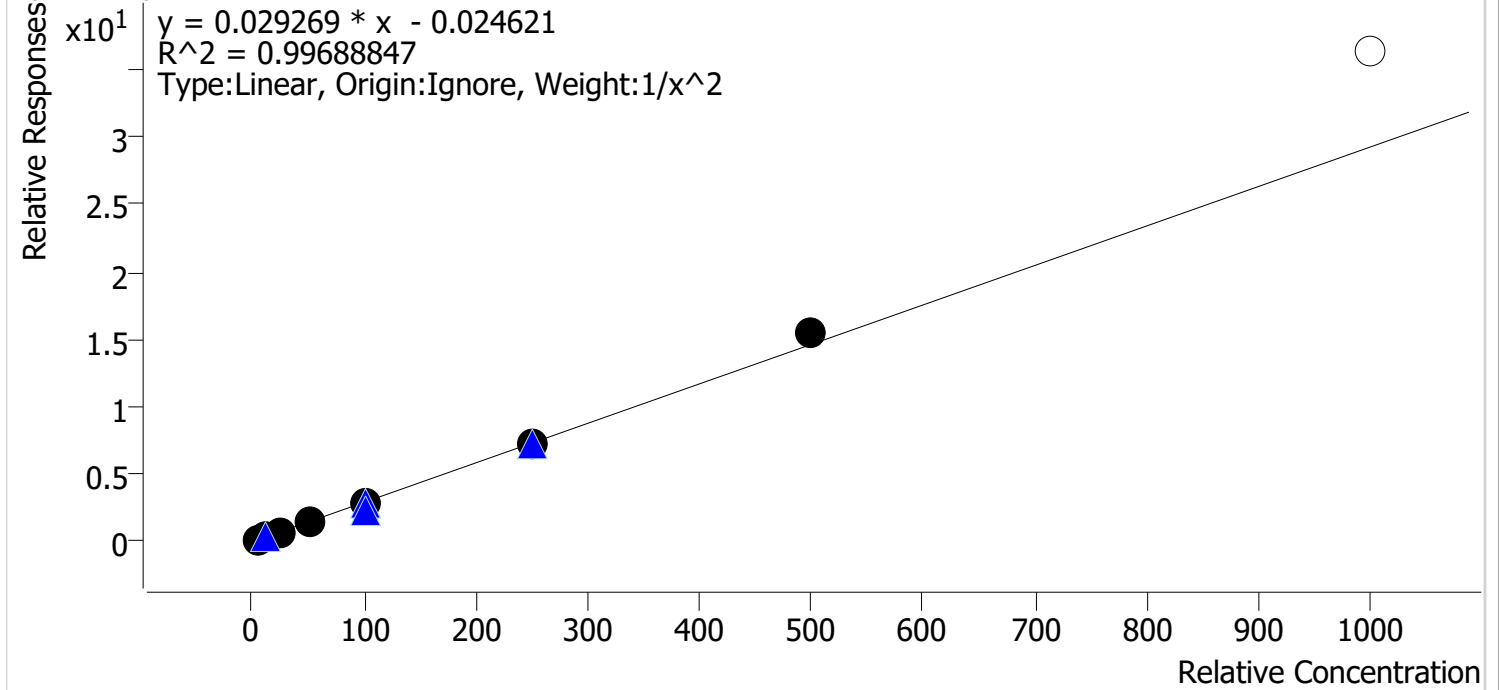


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	55.0	110.0
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdq	6	✓	250.0	267.3	106.9
cal 7 mdq	7	✓	500.0	454.3	90.9
cal 8 mdq	8	✓	1000.0	854.9	85.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

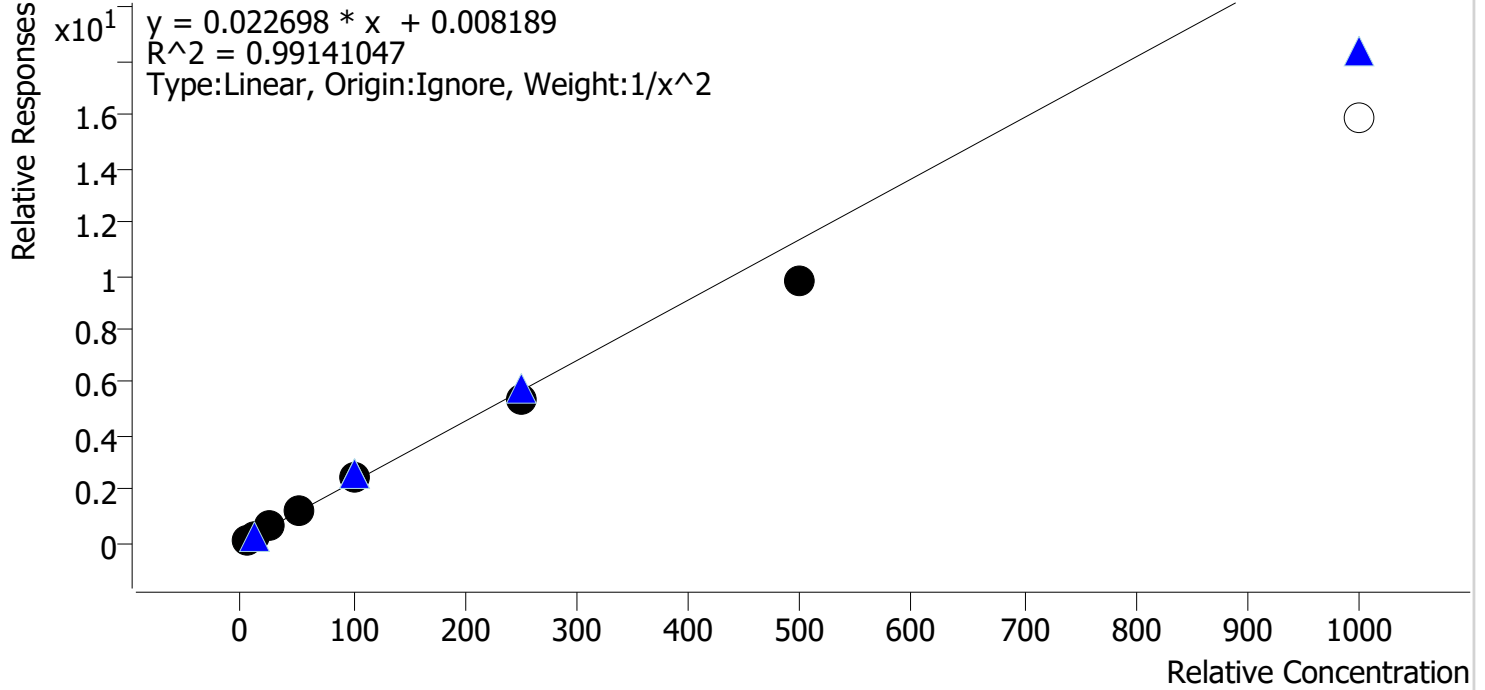


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.7
cal 2 mdq	2	✓	10.0	9.4	94.2
cal 3 mdq	3	✓	25.0	23.7	94.7
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	243.3	97.3
cal 7 mdq	7	✓	500.0	533.5	106.7
cal 8 mdq	8	✗	1000.0	1241.8	124.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

Ketamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



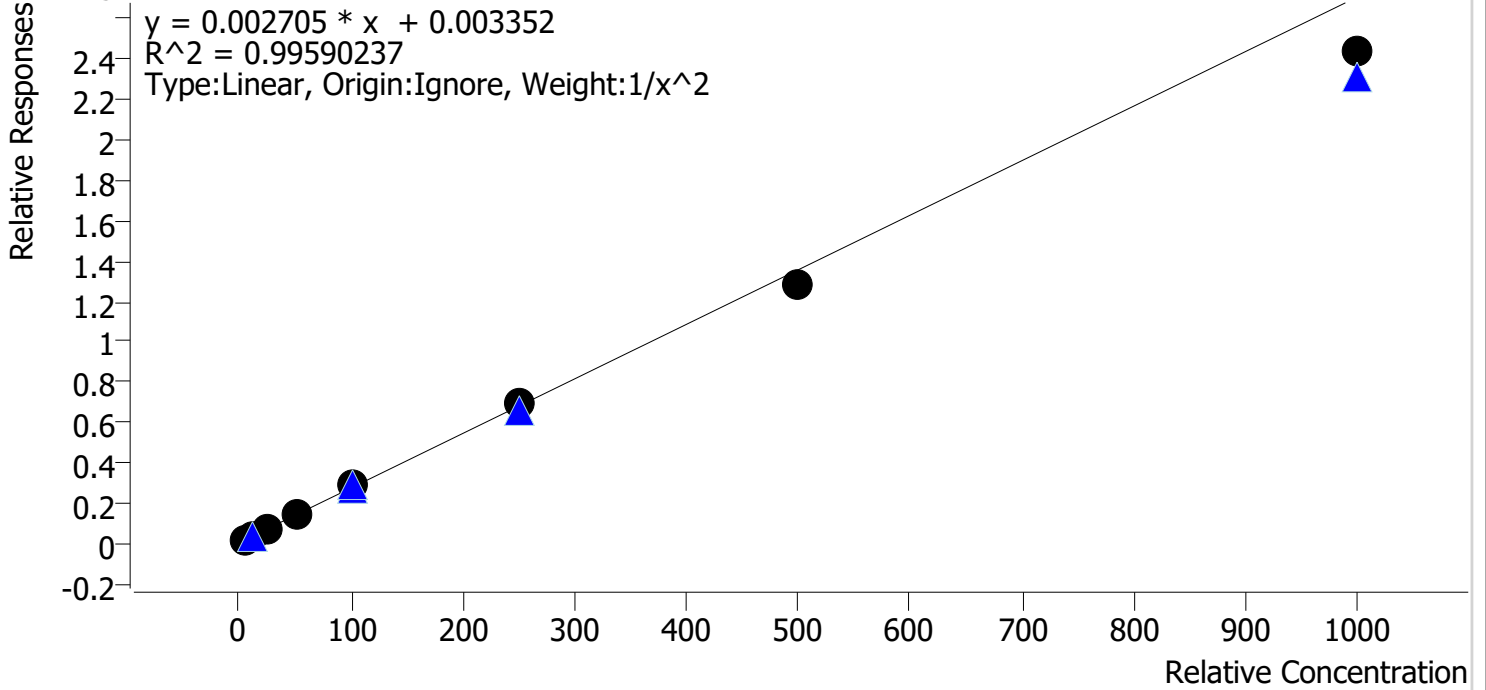
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.0
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.5	106.2
cal 4 mdq	4	✓	50.0	53.6	107.1
cal 5 mdq	5	✓	100.0	106.7	106.7
cal 6 mdq	6	✓	250.0	238.3	95.3
cal 7 mdq	7	✓	500.0	428.8	85.8
cal 8 mdq	8	✗	1000.0	697.9	69.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Lamotrigine

Internal Standard Amphetamine-D11

Lamotrigine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

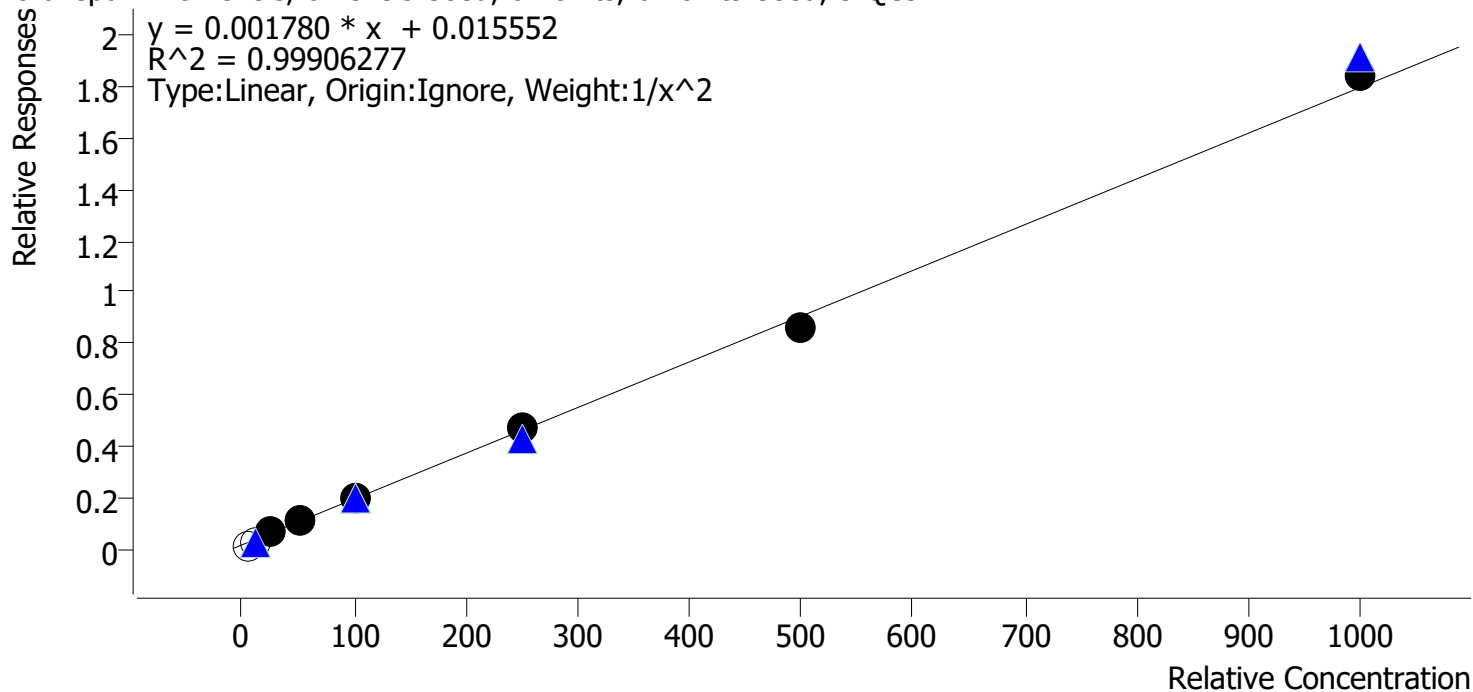


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	105.8	105.8
cal 6 mdq	6	✓	250.0	257.9	103.2
cal 7 mdq	7	✓	500.0	474.9	95.0
cal 8 mdq	8	✓	1000.0	900.1	90.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Diazepam-D5

Lorazepam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs

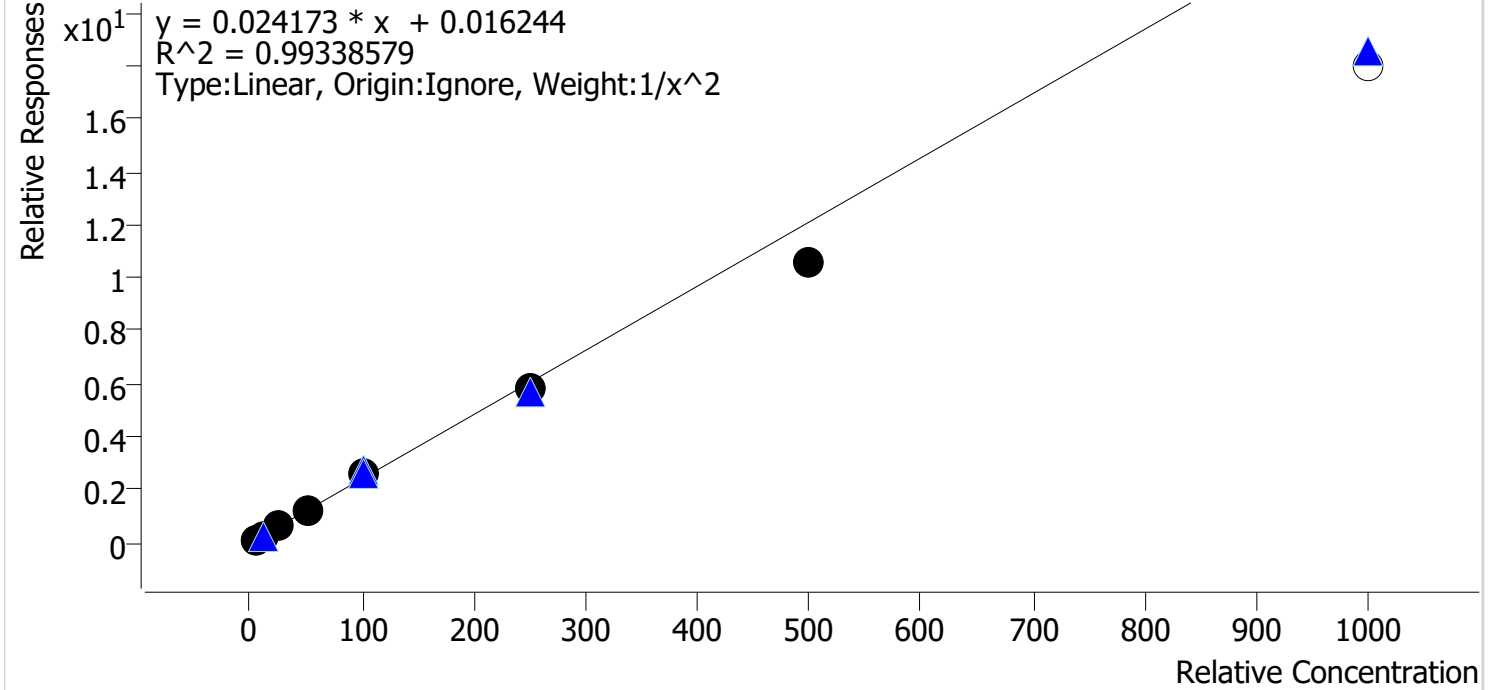


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	0.0	0.0
cal 2 mdq	2	x	10.0	5.6	56.0
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	478.2	95.6
cal 8 mdq	8	✓	1000.0	1024.4	102.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

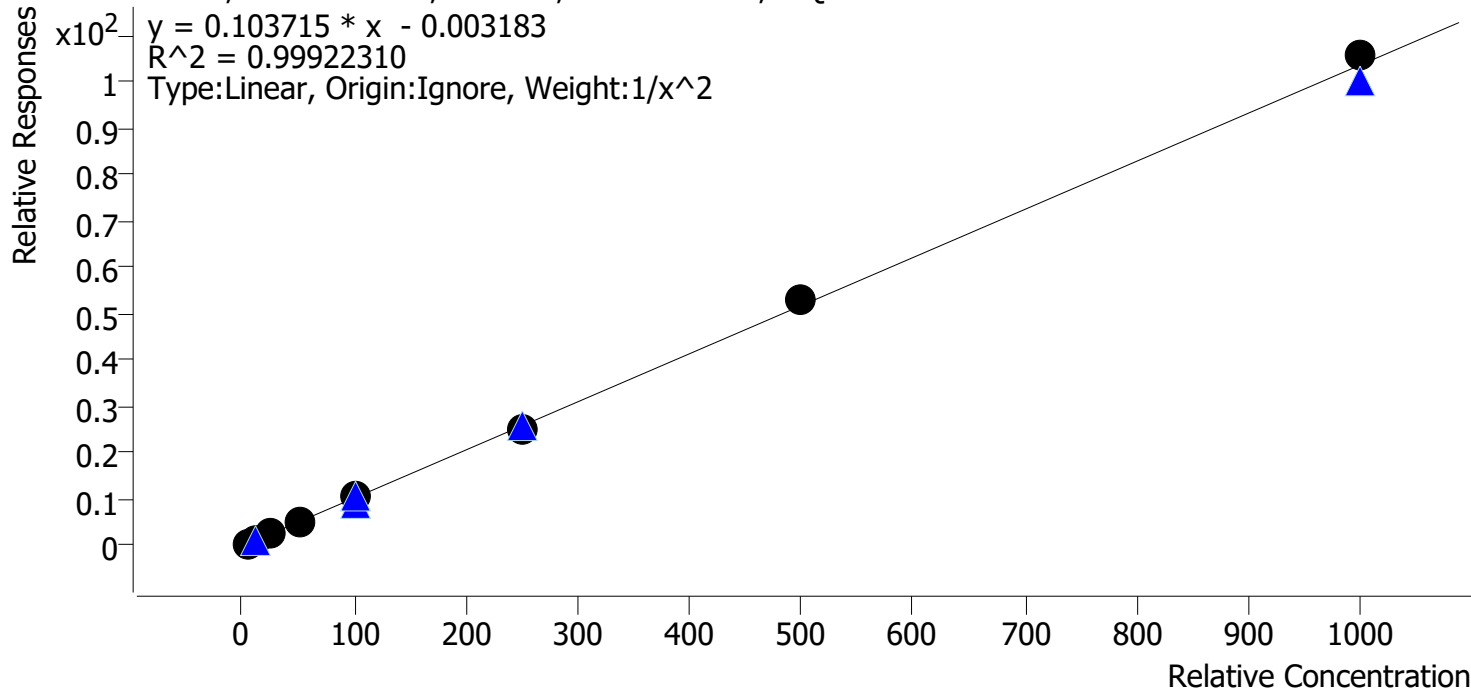


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	26.8	107.4
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	243.1	97.3
cal 7 mdq	7	✓	500.0	435.6	87.1
cal 8 mdq	8	✗	1000.0	741.2	74.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



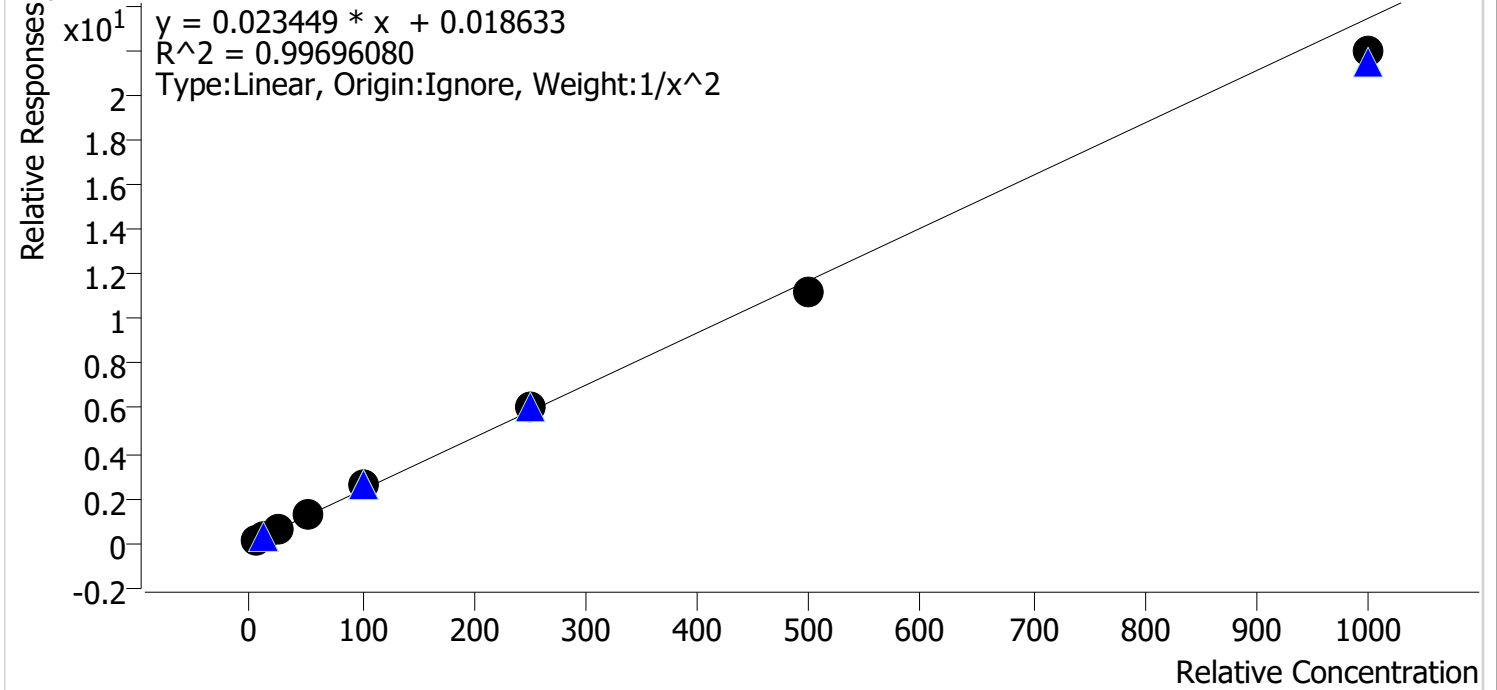
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.6	95.6
cal 3 mdq	3	✓	25.0	25.0	99.8
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	242.8	97.1
cal 7 mdq	7	✓	500.0	509.9	102.0
cal 8 mdq	8	✓	1000.0	1019.7	102.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Meprobamate

Internal Standard Meprobamate-D7

Meprobamate - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

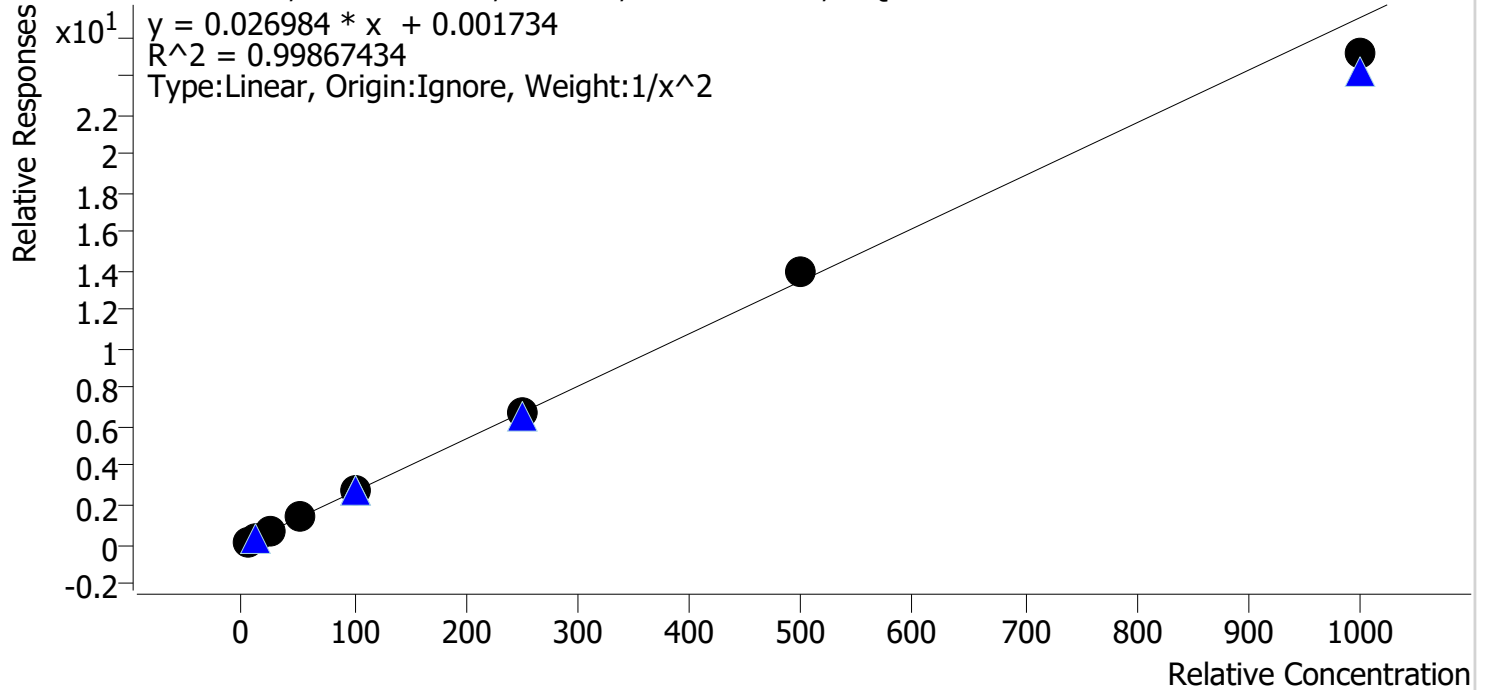


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	106.6	106.6
cal 6 mdq	6	✓	250.0	259.2	103.7
cal 7 mdq	7	✓	500.0	474.6	94.9
cal 8 mdq	8	✓	1000.0	936.4	93.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

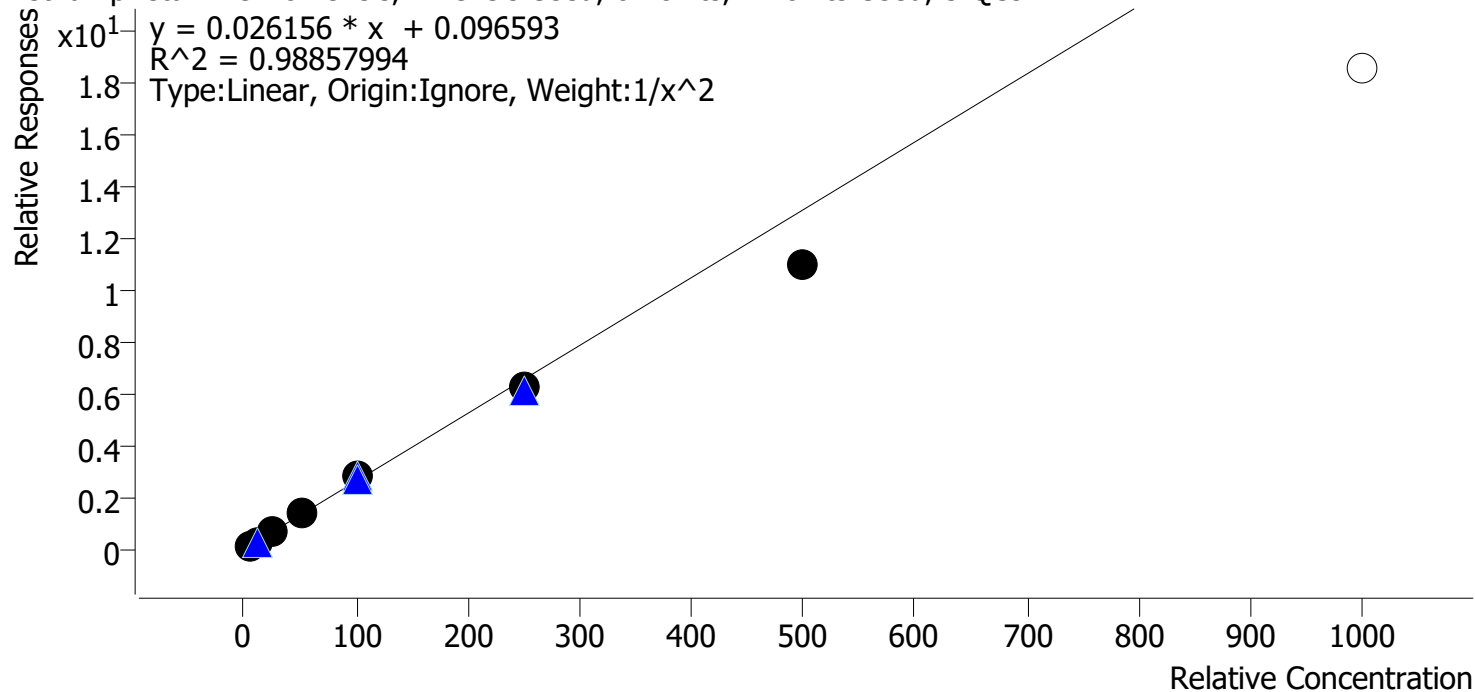


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	515.1	103.0
cal 8 mdq	8	✓	1000.0	931.6	93.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

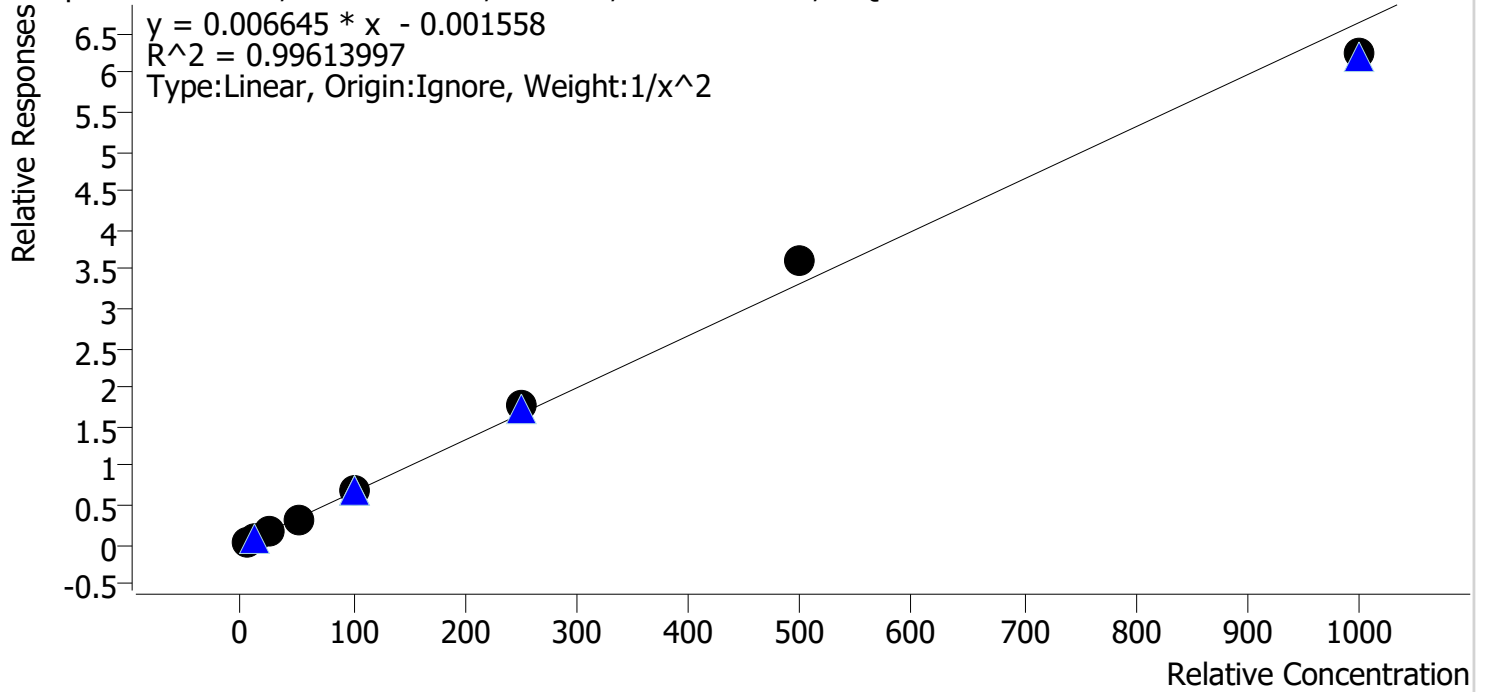


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.8
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	27.2	108.6
cal 4 mdq	4	✓	50.0	54.0	108.1
cal 5 mdq	5	✓	100.0	105.8	105.8
cal 6 mdq	6	✓	250.0	236.7	94.7
cal 7 mdq	7	✓	500.0	418.6	83.7
cal 8 mdq	8	✗	1000.0	708.2	70.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



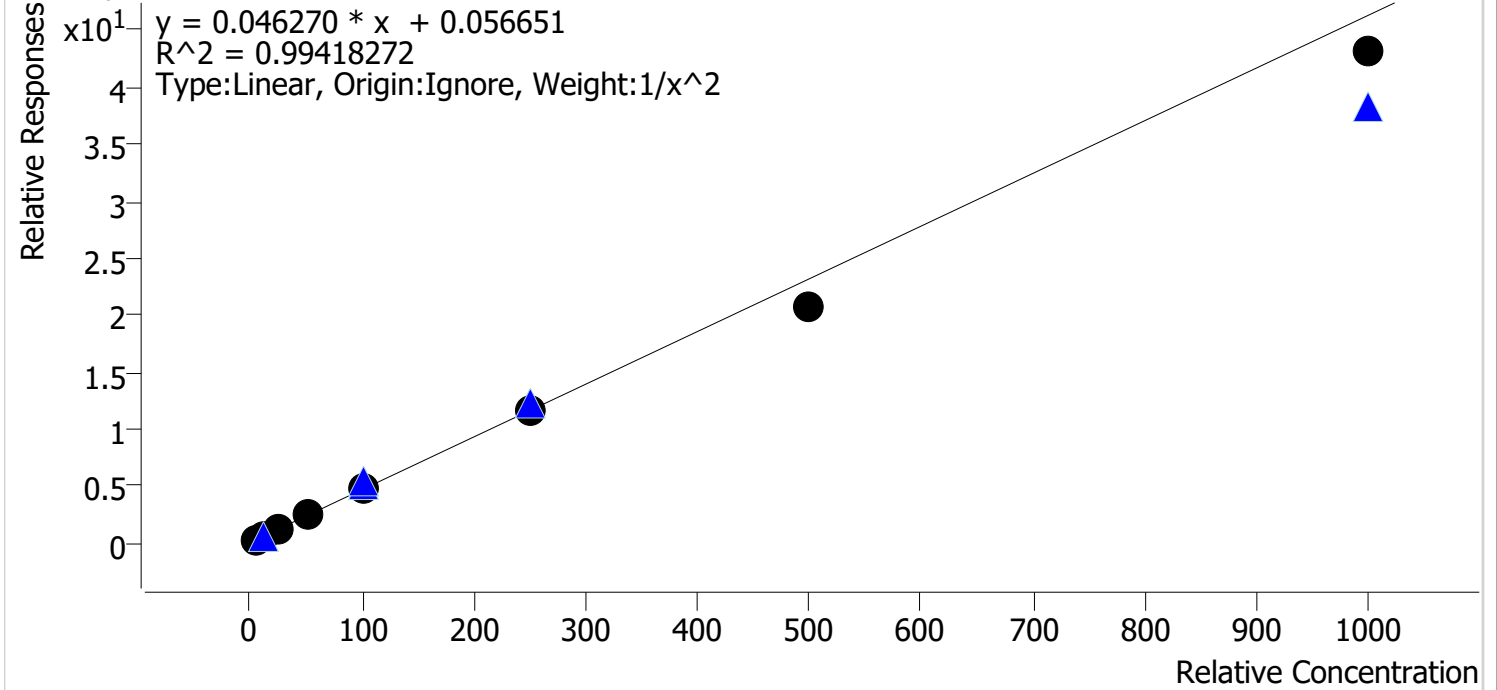
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	23.8	95.3
cal 4 mdq	4	✓	50.0	48.3	96.7
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	265.6	106.3
cal 7 mdq	7	✓	500.0	541.7	108.3
cal 8 mdq	8	✓	1000.0	940.5	94.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Mirtazapine

Internal Standard Cyclobenzaprine-D3

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



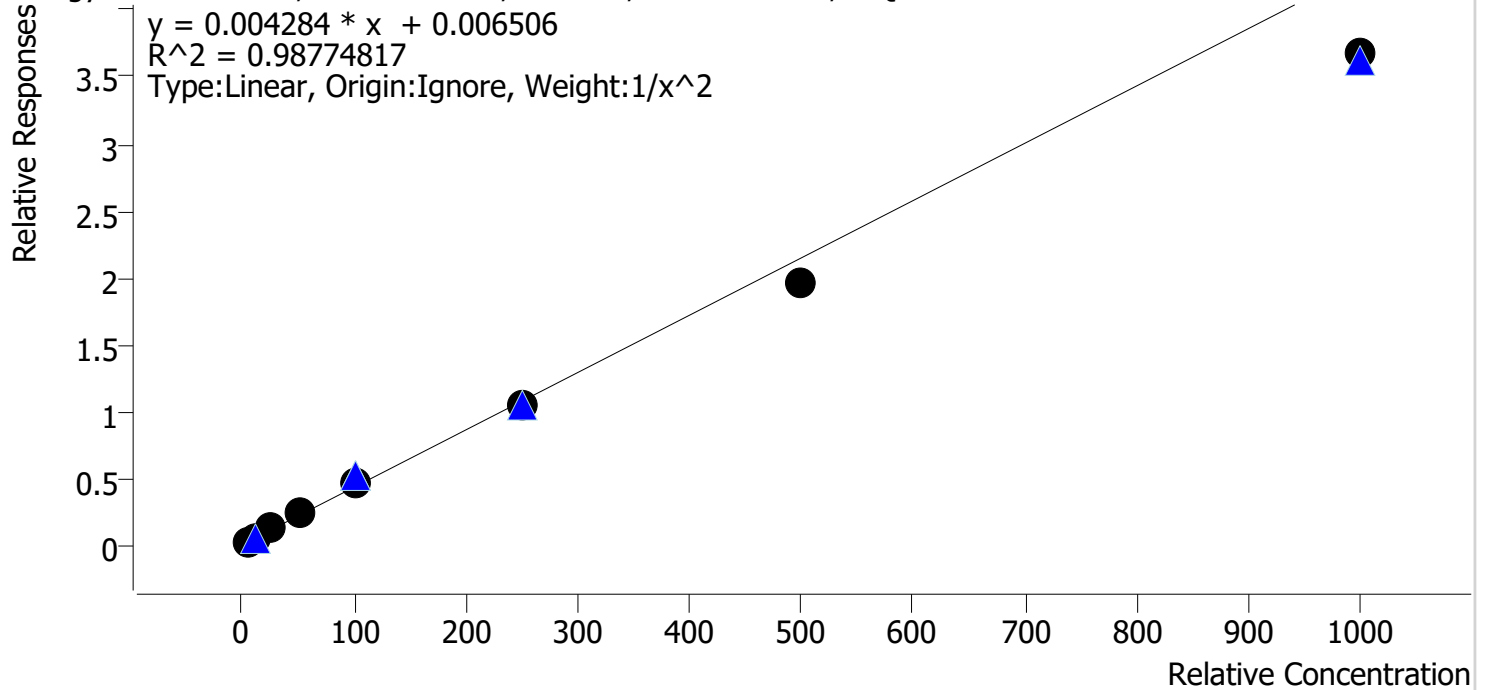
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	27.1	108.5
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	444.4	88.9
cal 8 mdq	8	✓	1000.0	931.2	93.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Mitragynine

Internal Standard Pseudoephedrine-D3

Mitragynine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

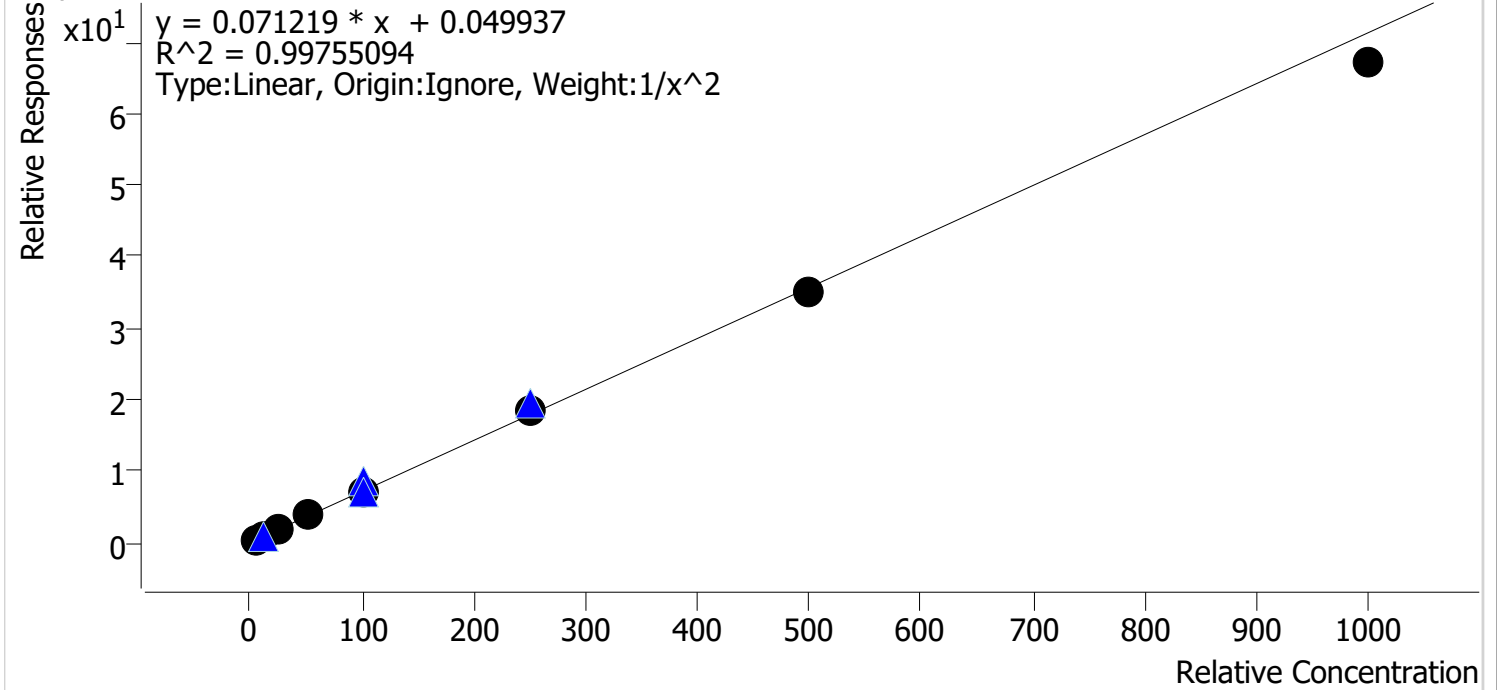


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	28.8	115.4
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	455.0	91.0
cal 8 mdq	8	✓	1000.0	856.4	85.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

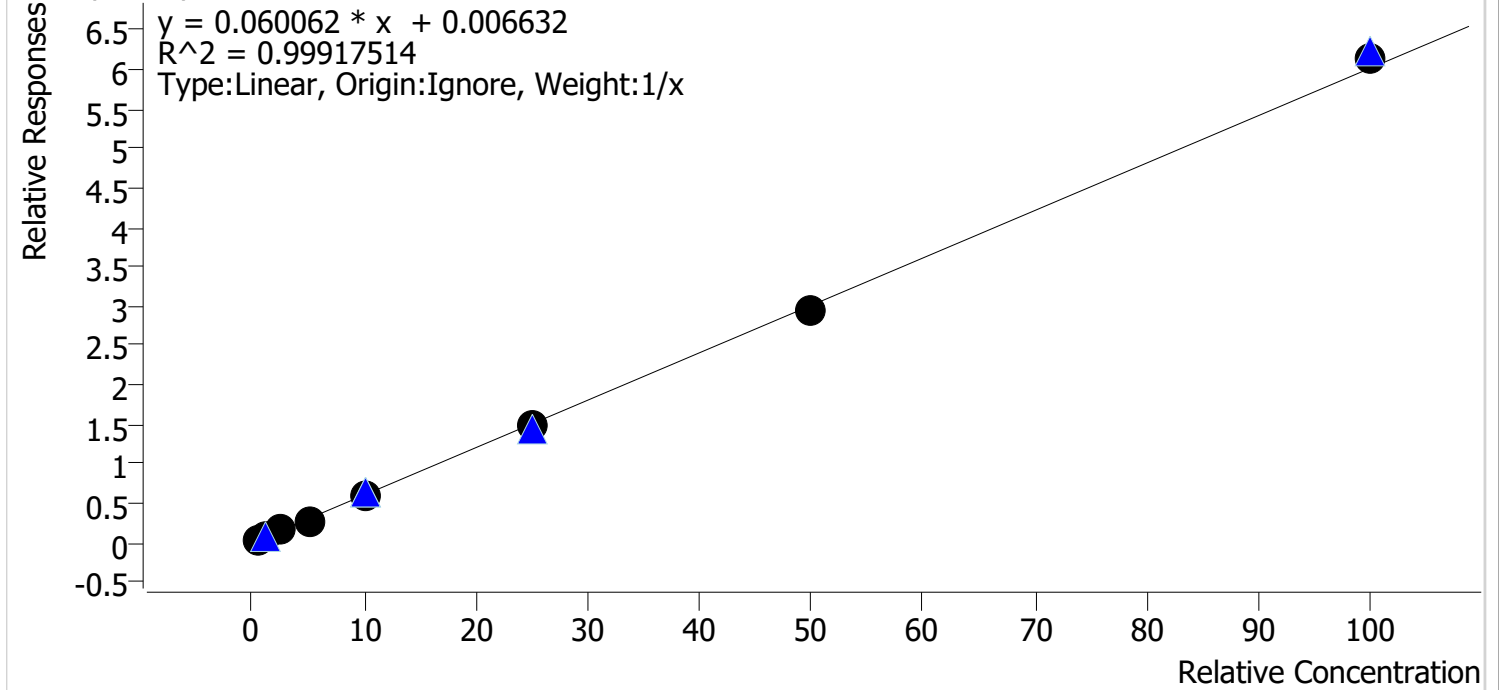


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	52.3	104.7
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	255.5	102.2
cal 7 mdq	7	✓	500.0	488.0	97.6
cal 8 mdq	8	✓	1000.0	943.2	94.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

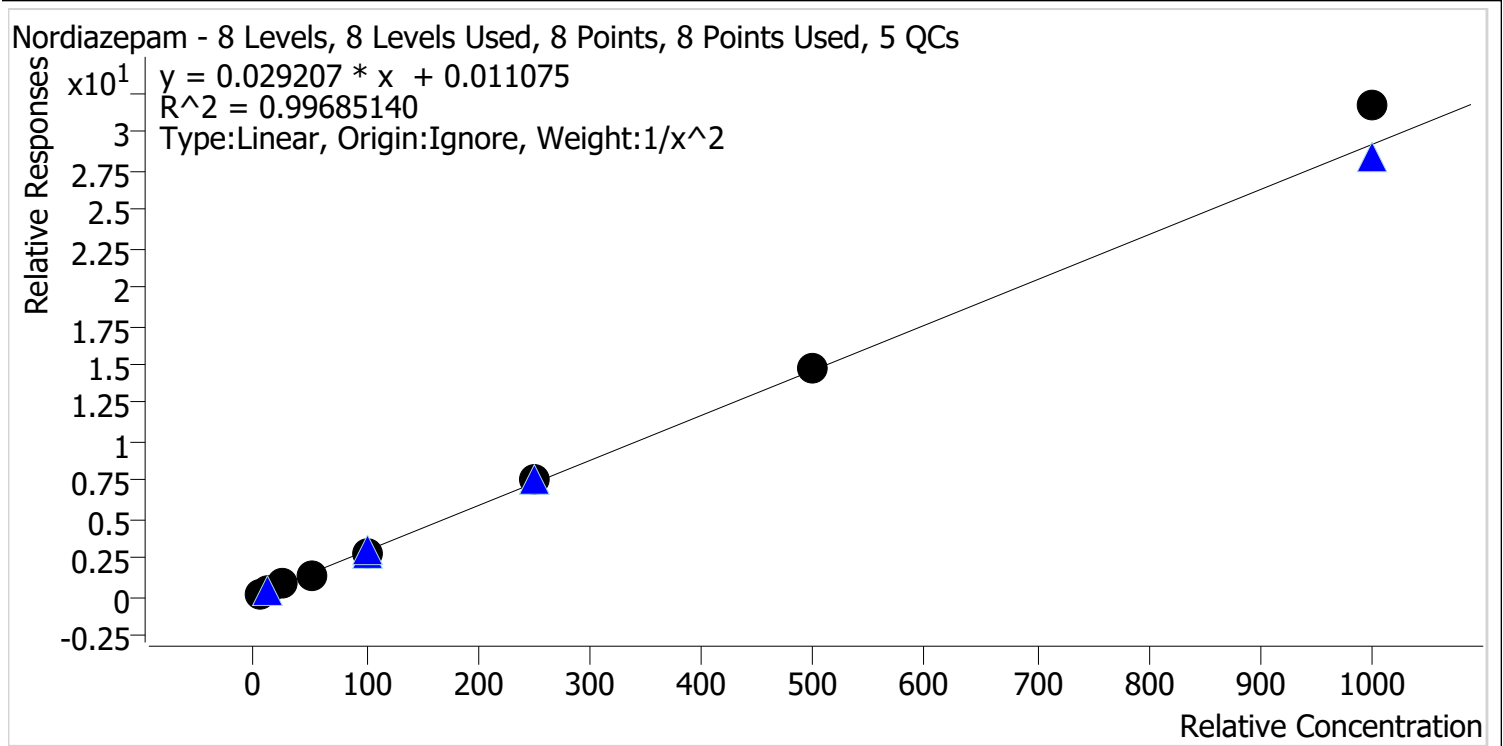


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	115.6
cal 2 mdq	2	✓	1.0	0.9	94.8
cal 3 mdq	3	✓	2.5	2.6	102.0
cal 4 mdq	4	✓	5.0	4.6	93.0
cal 5 mdq	5	✓	10.0	9.7	96.8
cal 6 mdq	6	✓	25.0	24.5	97.9
cal 7 mdq	7	✓	50.0	48.8	97.5
cal 8 mdq	8	✓	100.0	102.3	102.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Nordiazepam

Internal Standard Nordiazepam-D5

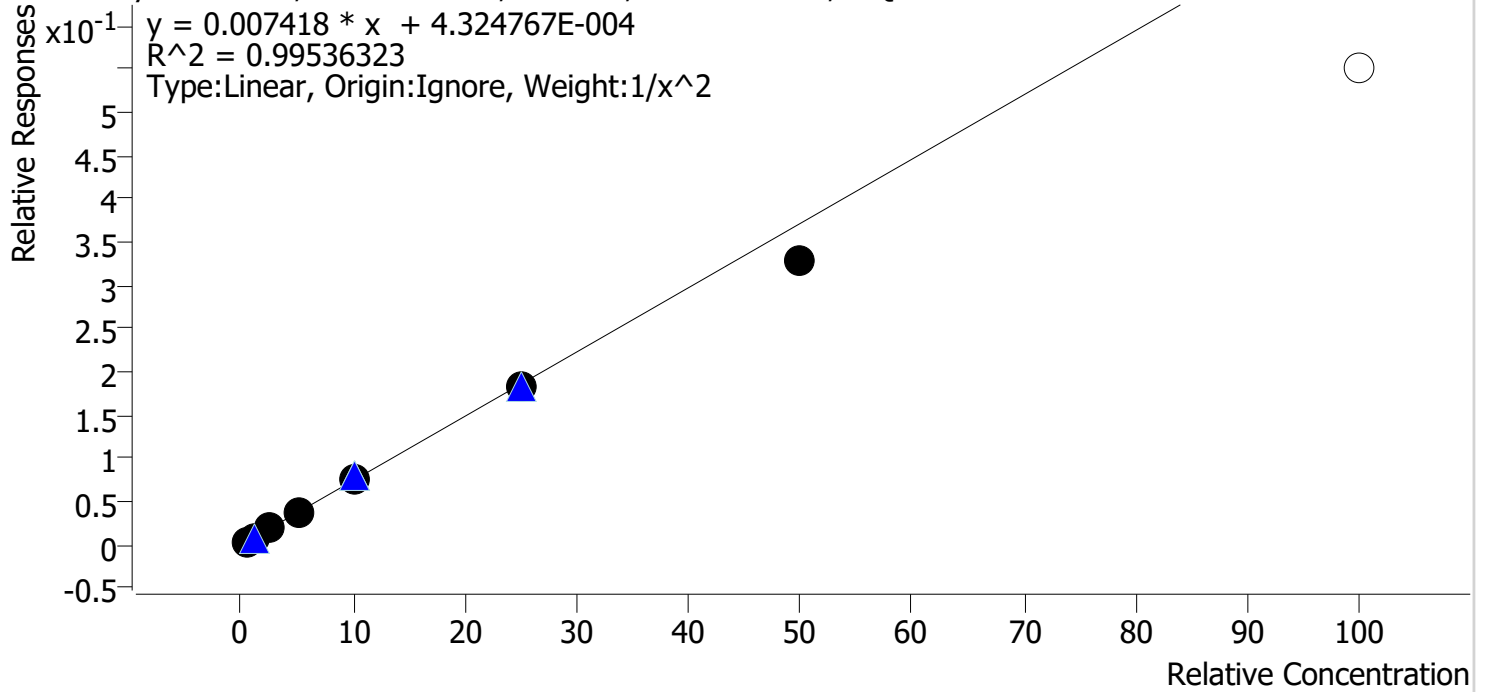


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	46.2	92.4
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	508.3	101.7
cal 8 mdq	8	✓	1000.0	1085.9	108.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

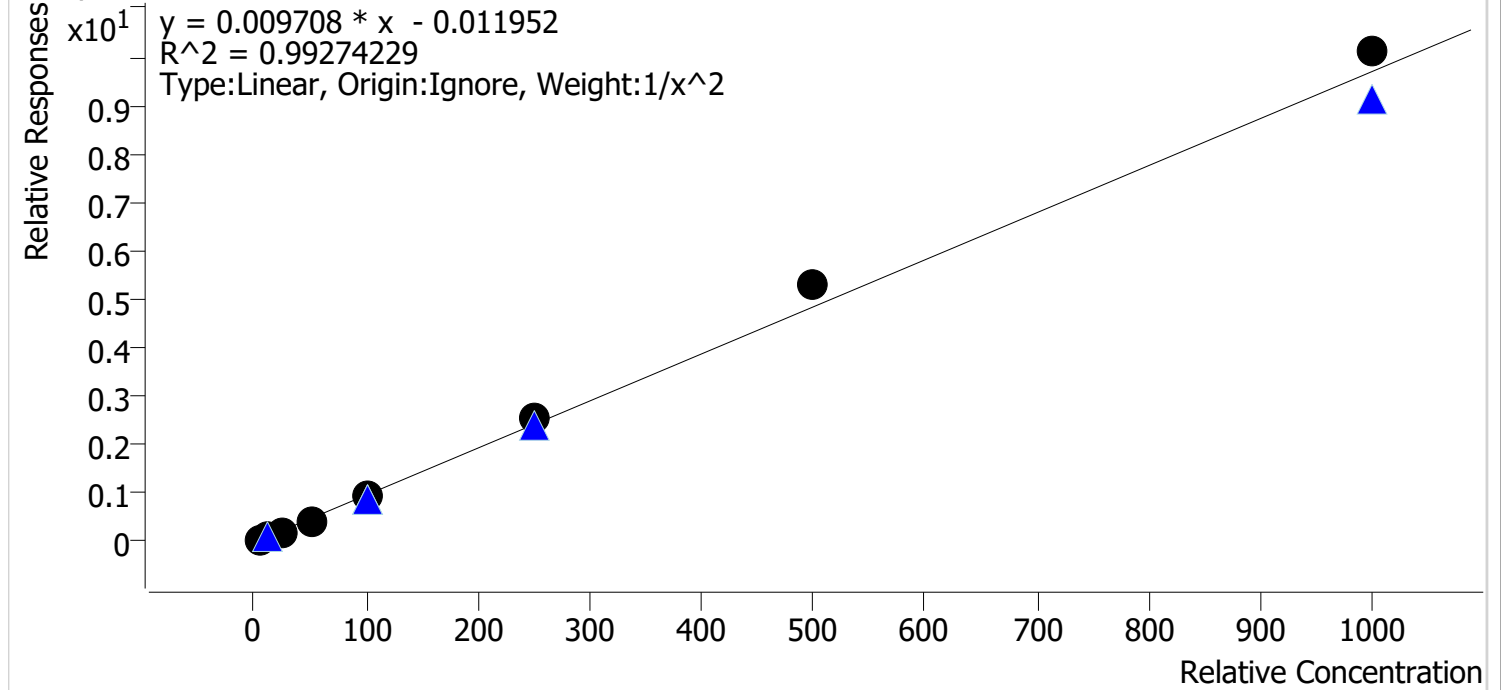


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	97.1
cal 2 mdq	2	✓	1.0	1.0	103.1
cal 3 mdq	3	✓	2.5	2.6	104.3
cal 4 mdq	4	✓	5.0	5.2	103.9
cal 5 mdq	5	✓	10.0	10.4	104.4
cal 6 mdq	6	✓	25.0	24.6	98.5
cal 7 mdq	7	✓	50.0	44.4	88.7
cal 8 mdq	8	✗	100.0	74.1	74.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

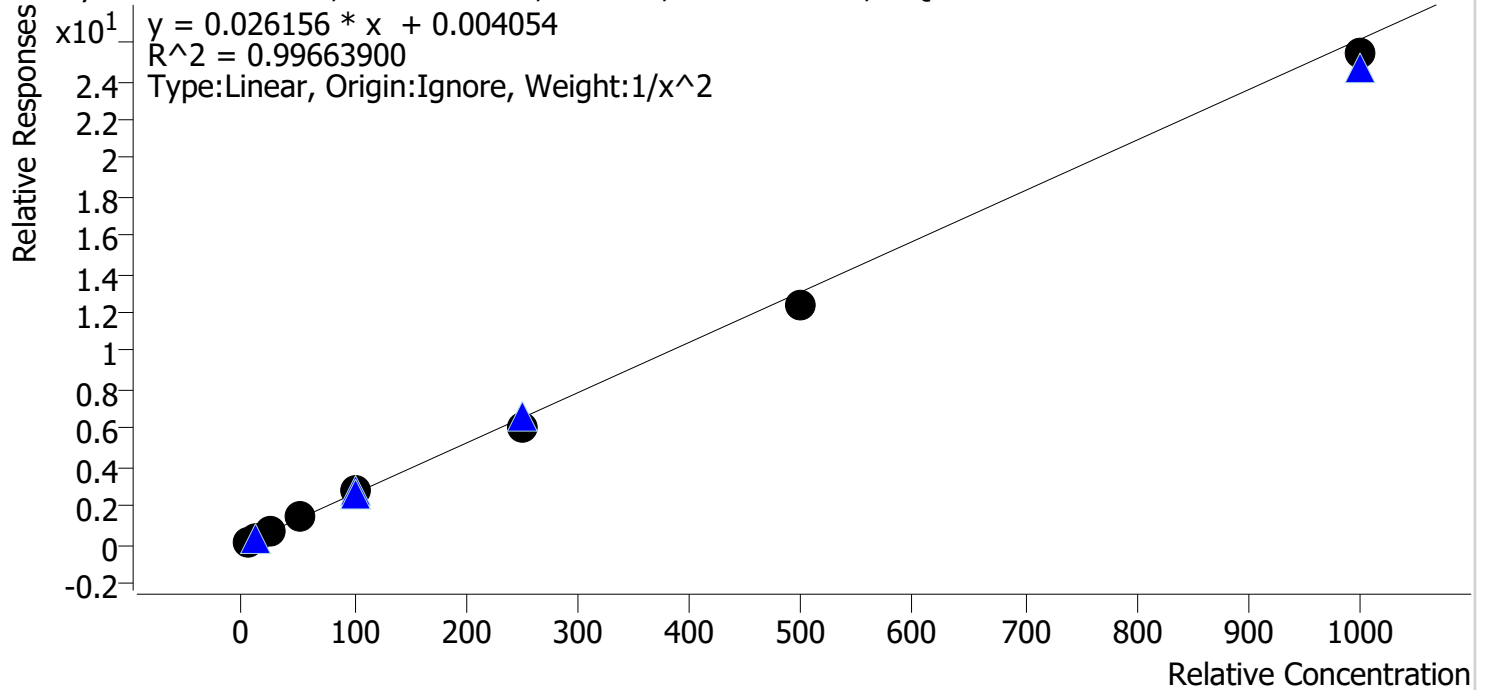


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	9.3	93.0
cal 3 mdq	3	✓	25.0	23.2	92.6
cal 4 mdq	4	✓	50.0	45.1	90.2
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	263.0	105.2
cal 7 mdq	7	✓	500.0	551.3	110.3
cal 8 mdq	8	✓	1000.0	1042.3	104.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

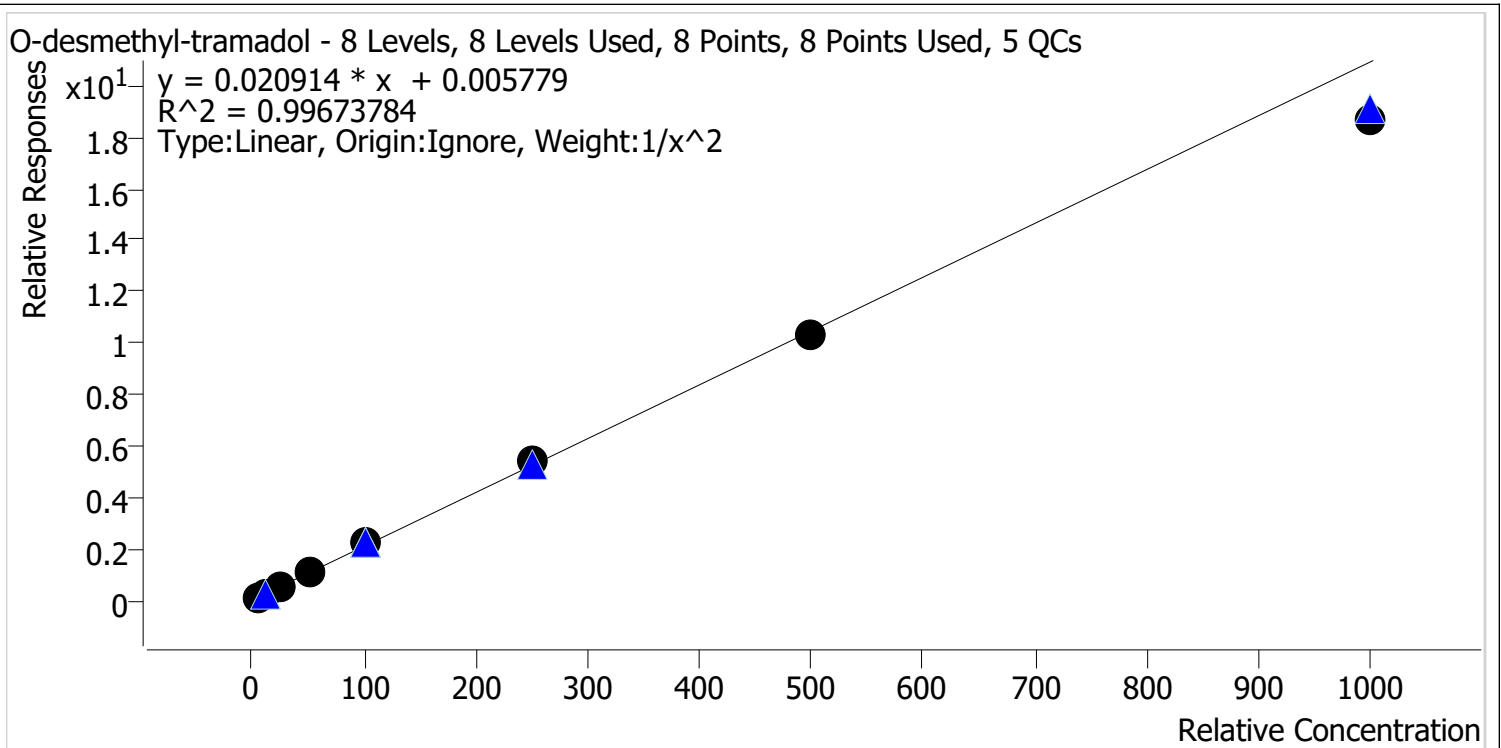
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.8	103.0
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	108.9	108.9
cal 6 mdq	6	✓	250.0	234.0	93.6
cal 7 mdq	7	✓	500.0	474.0	94.8
cal 8 mdq	8	✓	1000.0	971.6	97.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

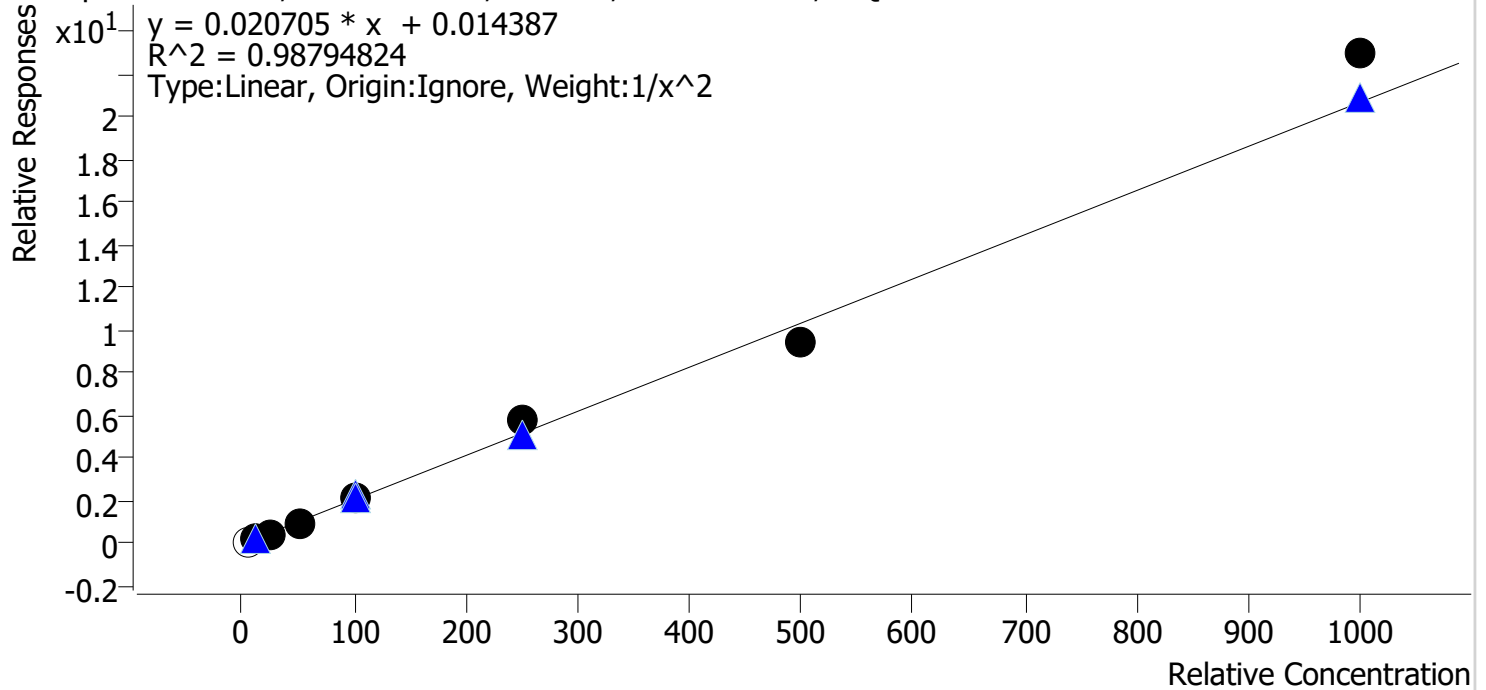


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	26.1	104.6
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	255.9	102.4
cal 7 mdq	7	✓	500.0	492.8	98.6
cal 8 mdq	8	✓	1000.0	891.1	89.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

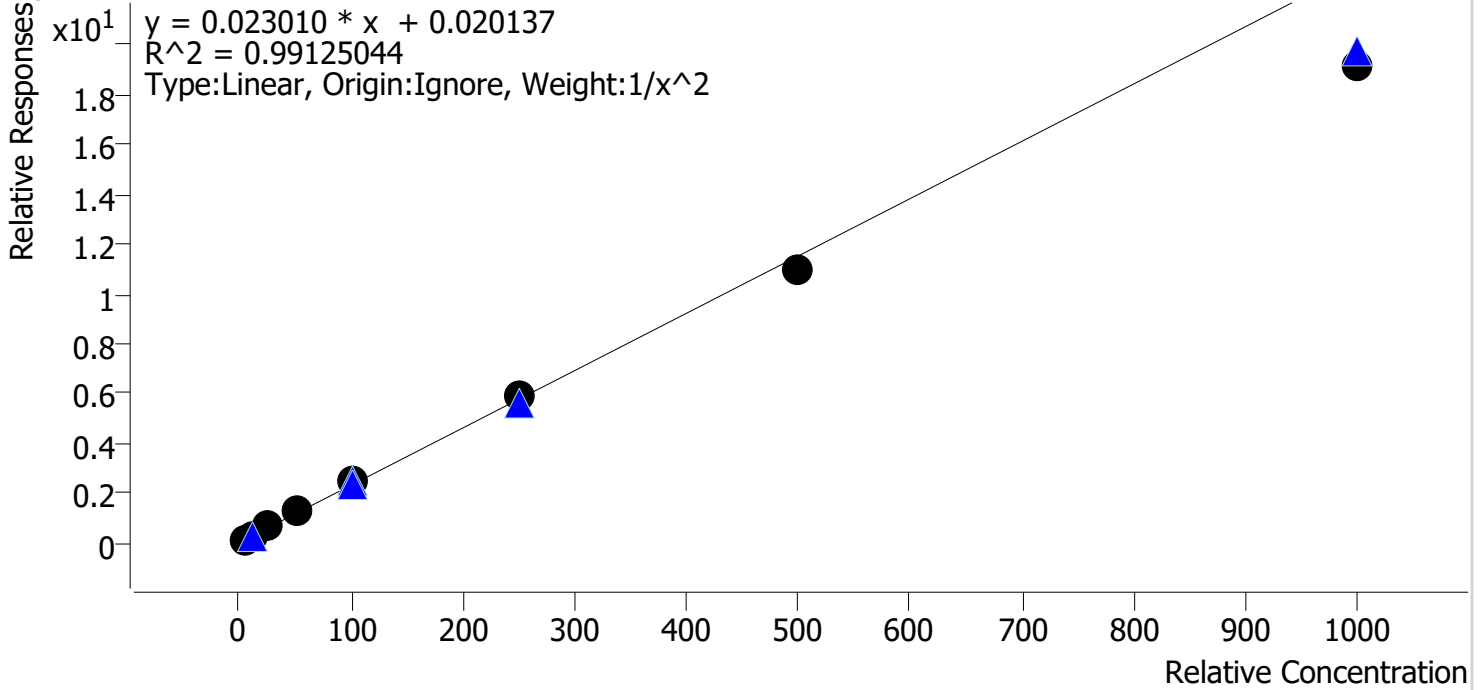


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.6	105.7
cal 3 mdq	3	✓	25.0	22.1	88.4
cal 4 mdq	4	✓	50.0	46.4	92.8
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	277.1	110.9
cal 7 mdq	7	✓	500.0	455.0	91.0
cal 8 mdq	8	✓	1000.0	1110.2	111.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

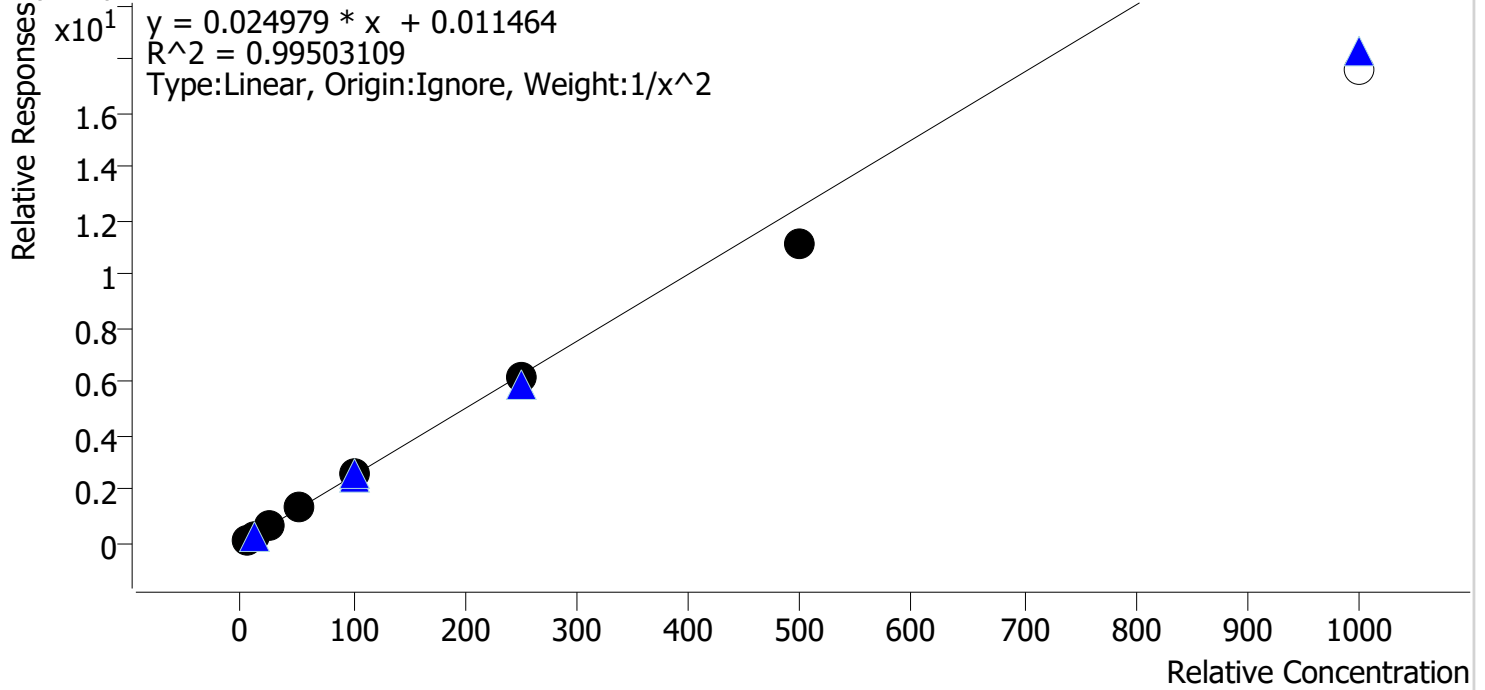


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	26.7	106.9
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	256.2	102.5
cal 7 mdq	7	✓	500.0	476.9	95.4
cal 8 mdq	8	✓	1000.0	831.2	83.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

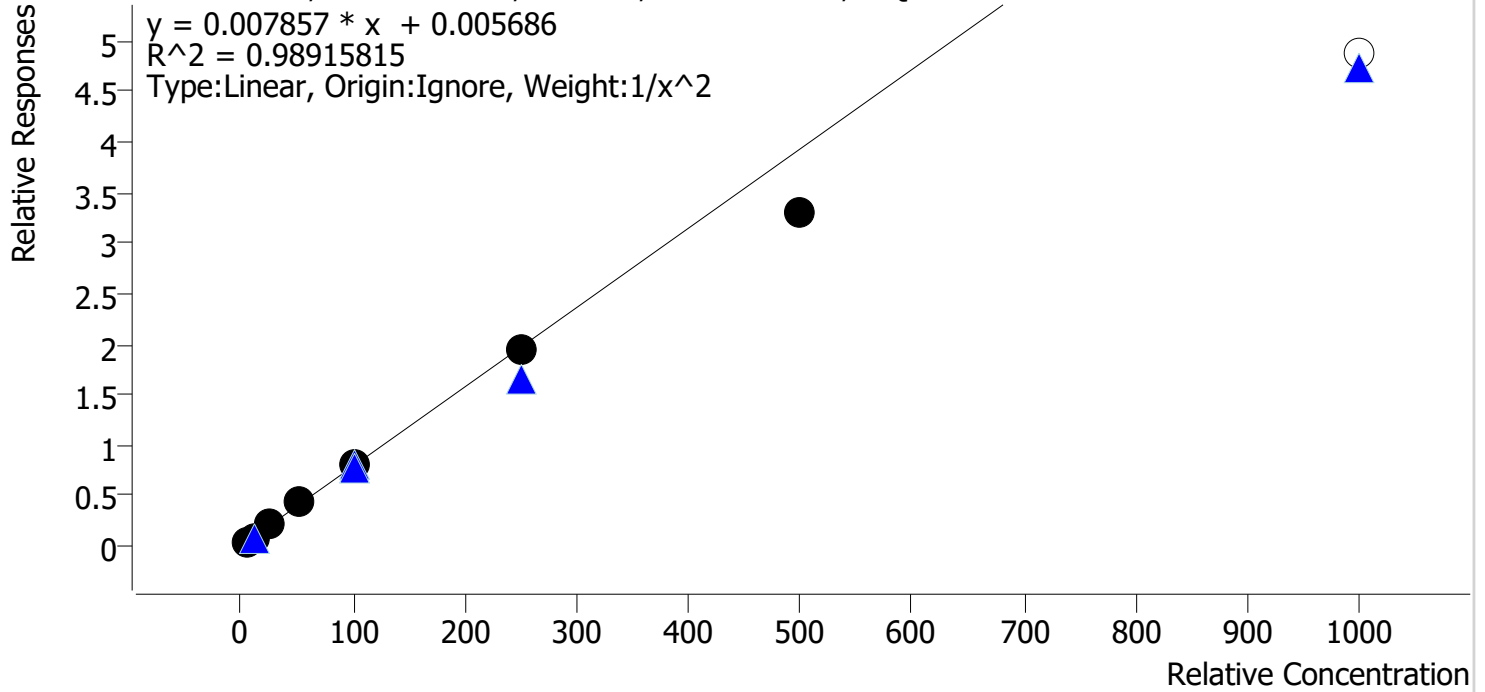


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	53.3	106.5
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	445.5	89.1
cal 8 mdq	8	✗	1000.0	706.2	70.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs

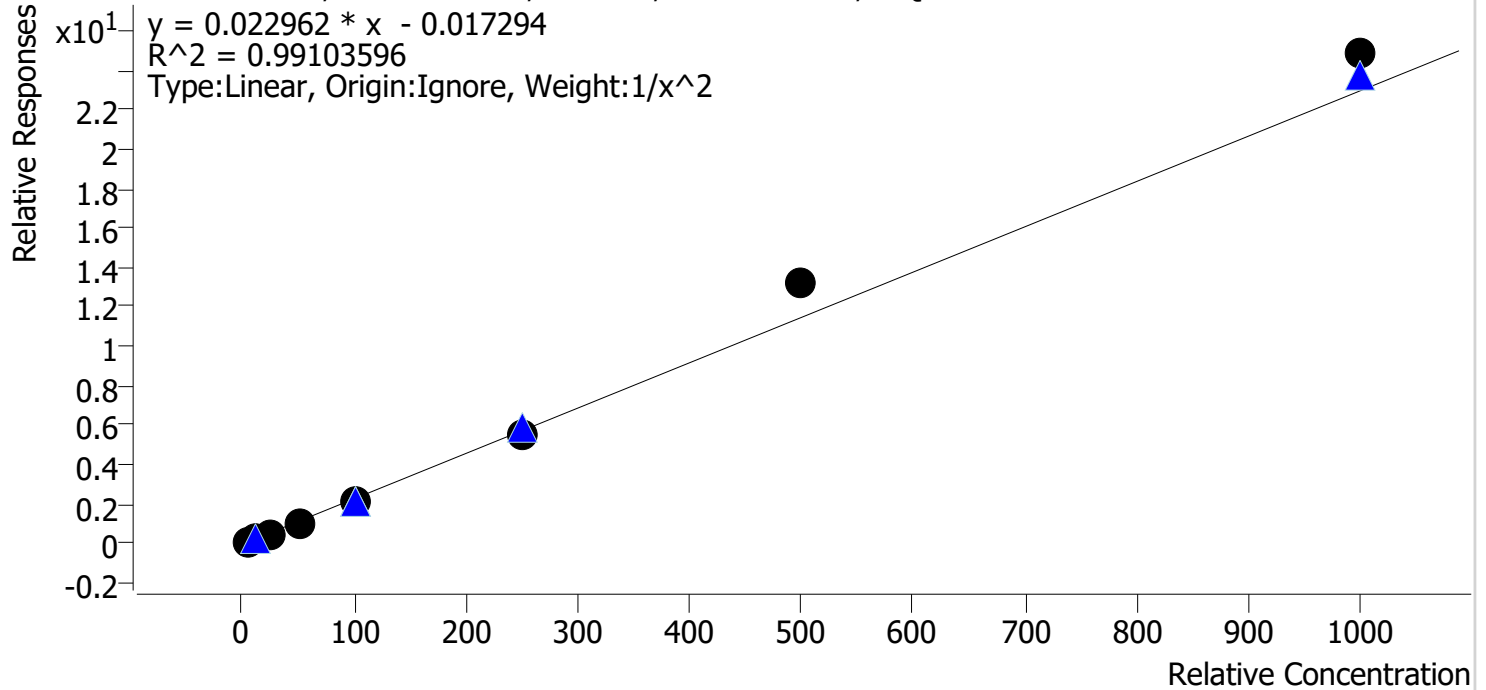


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	27.8	111.3
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	420.0	84.0
cal 8 mdq	8	x	1000.0	620.0	62.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



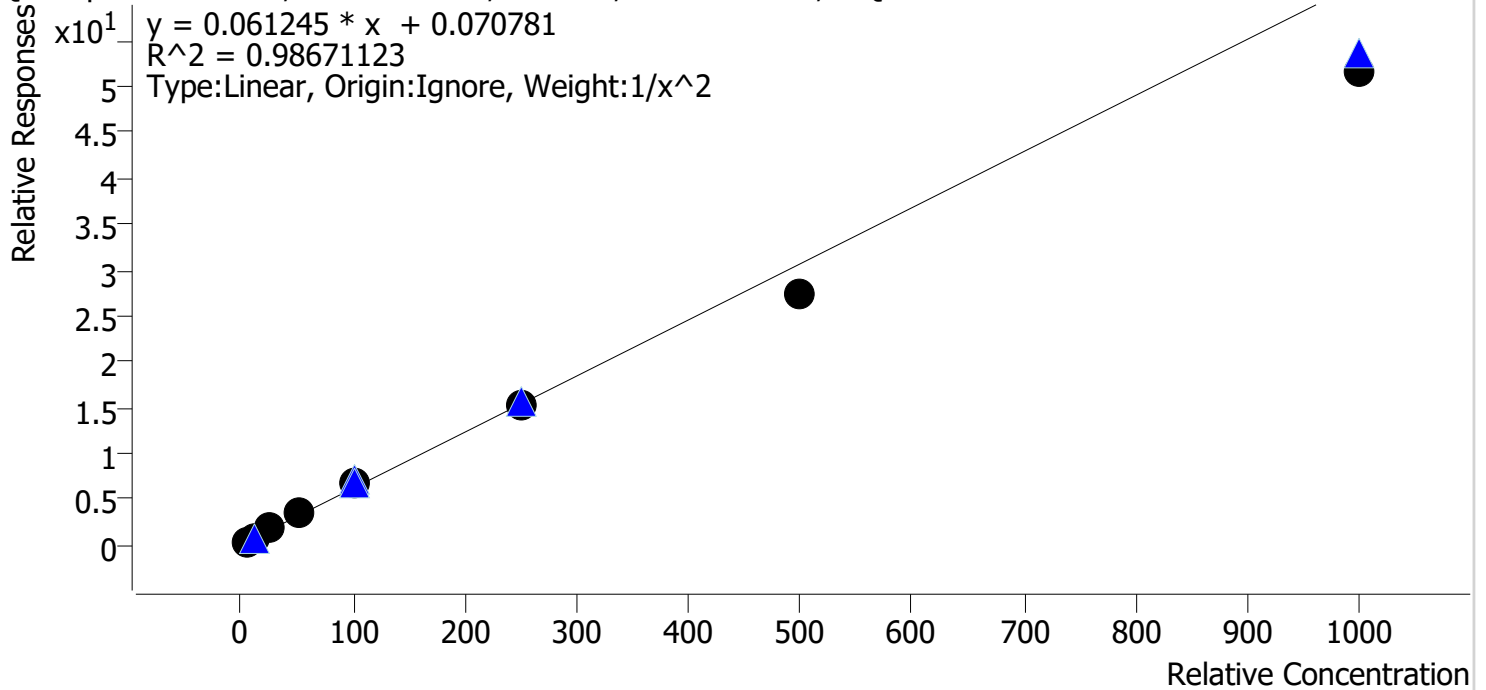
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.4
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	47.3	94.6
cal 5 mdq	5	✓	100.0	93.1	93.1
cal 6 mdq	6	✓	250.0	239.0	95.6
cal 7 mdq	7	✓	500.0	575.9	115.2
cal 8 mdq	8	✓	1000.0	1082.1	108.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Quetiapine

Internal Standard Quetiapine-D8

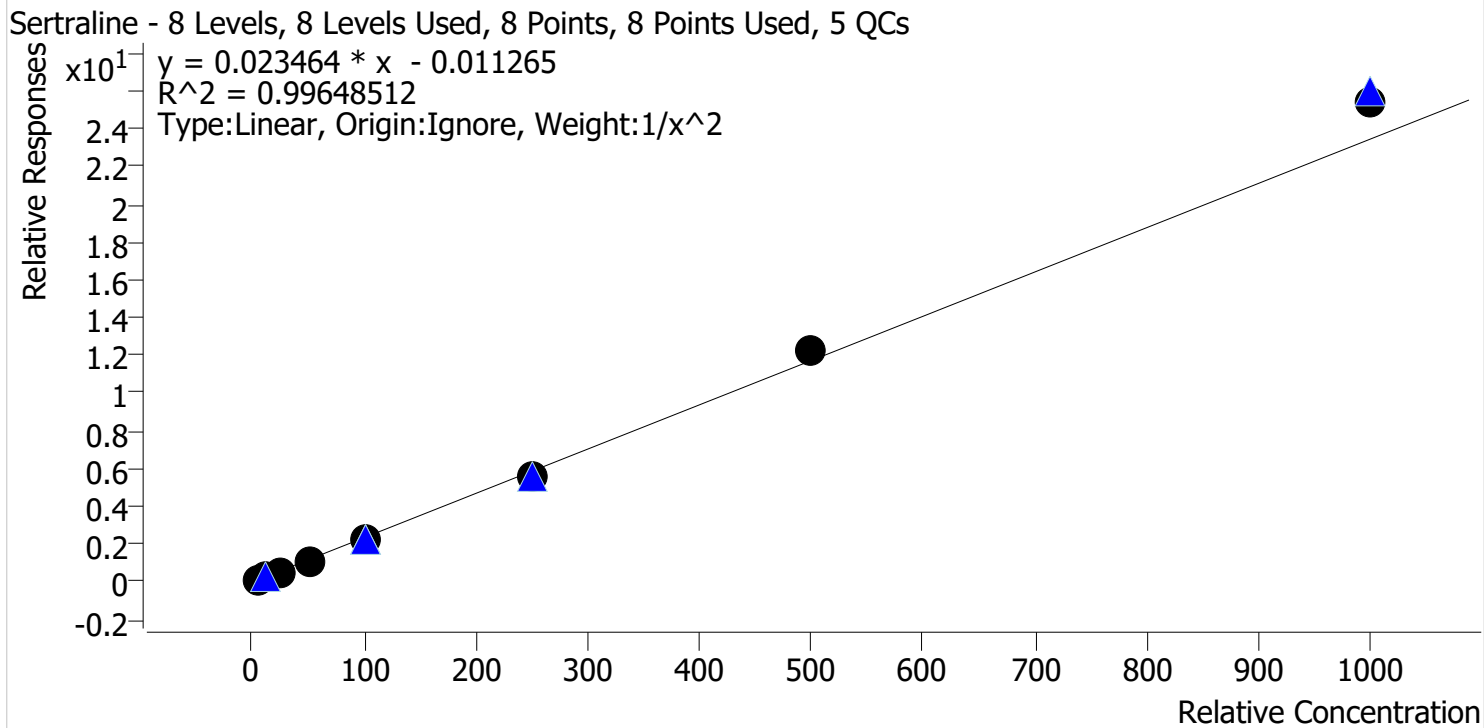
Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.1
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	27.9	111.5
cal 4 mdq	4	✓	50.0	55.1	110.2
cal 5 mdq	5	✓	100.0	107.6	107.6
cal 6 mdq	6	✓	250.0	244.8	97.9
cal 7 mdq	7	✓	500.0	446.5	89.3
cal 8 mdq	8	✓	1000.0	845.2	84.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

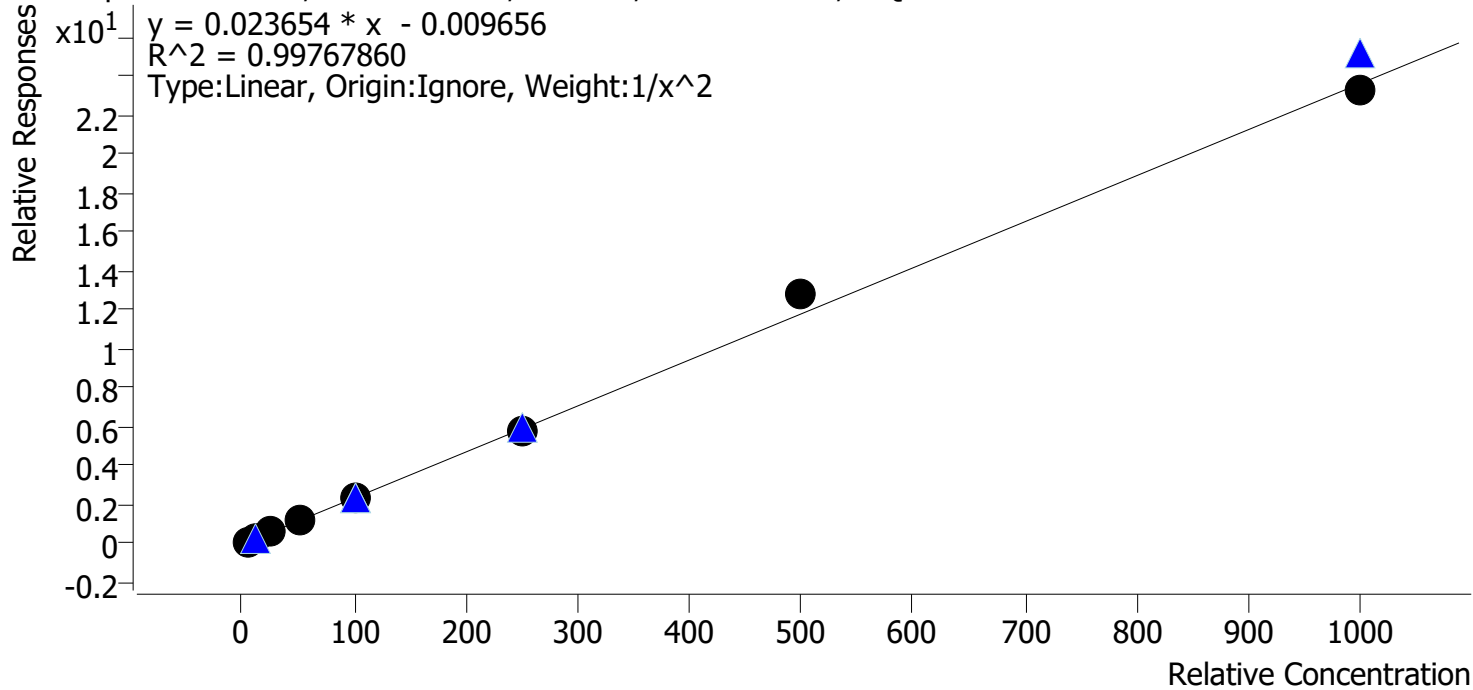


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	48.5	97.1
cal 5 mdq	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	239.8	95.9
cal 7 mdq	7	✓	500.0	524.0	104.8
cal 8 mdq	8	✓	1000.0	1084.0	108.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

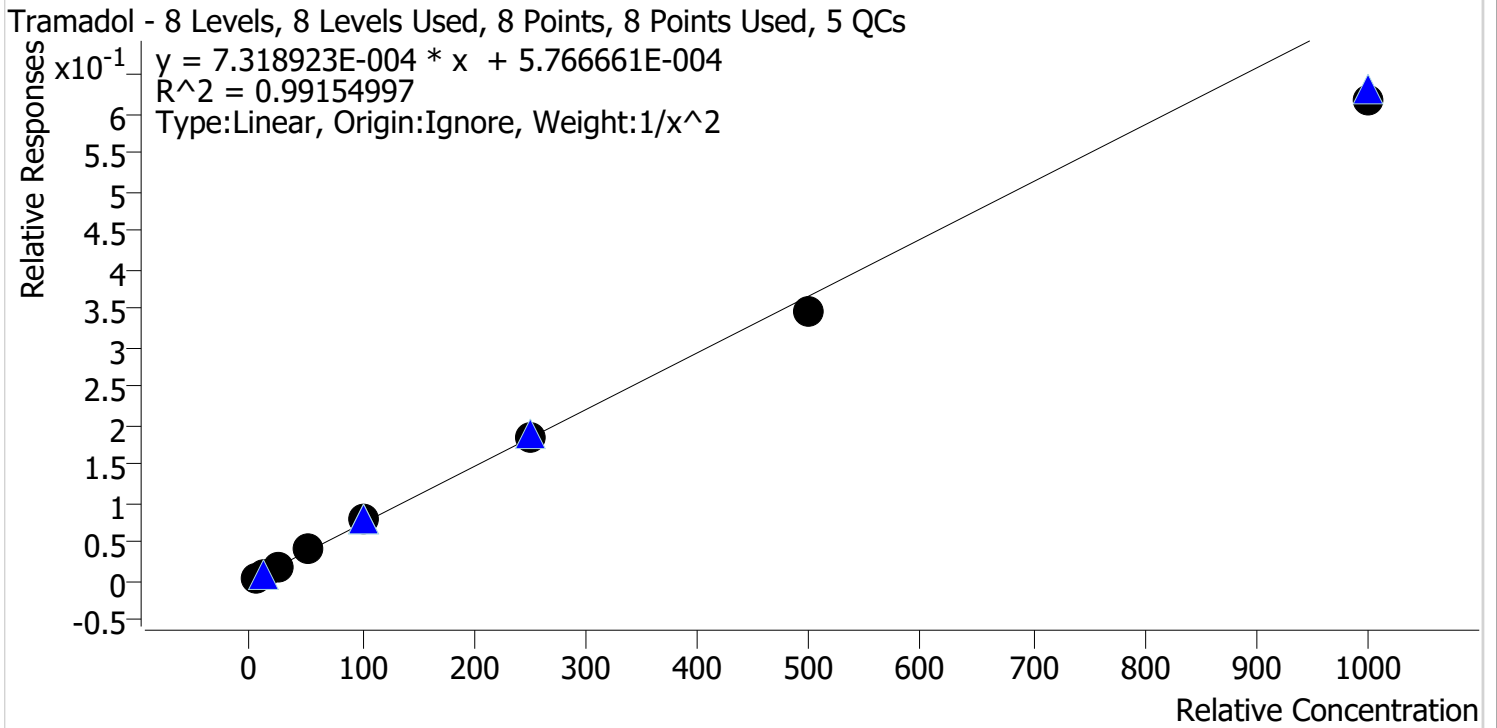
Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.5	94.6
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	248.9	99.6
cal 7 mdq	7	✓	500.0	542.4	108.5
cal 8 mdq	8	✓	1000.0	986.1	98.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



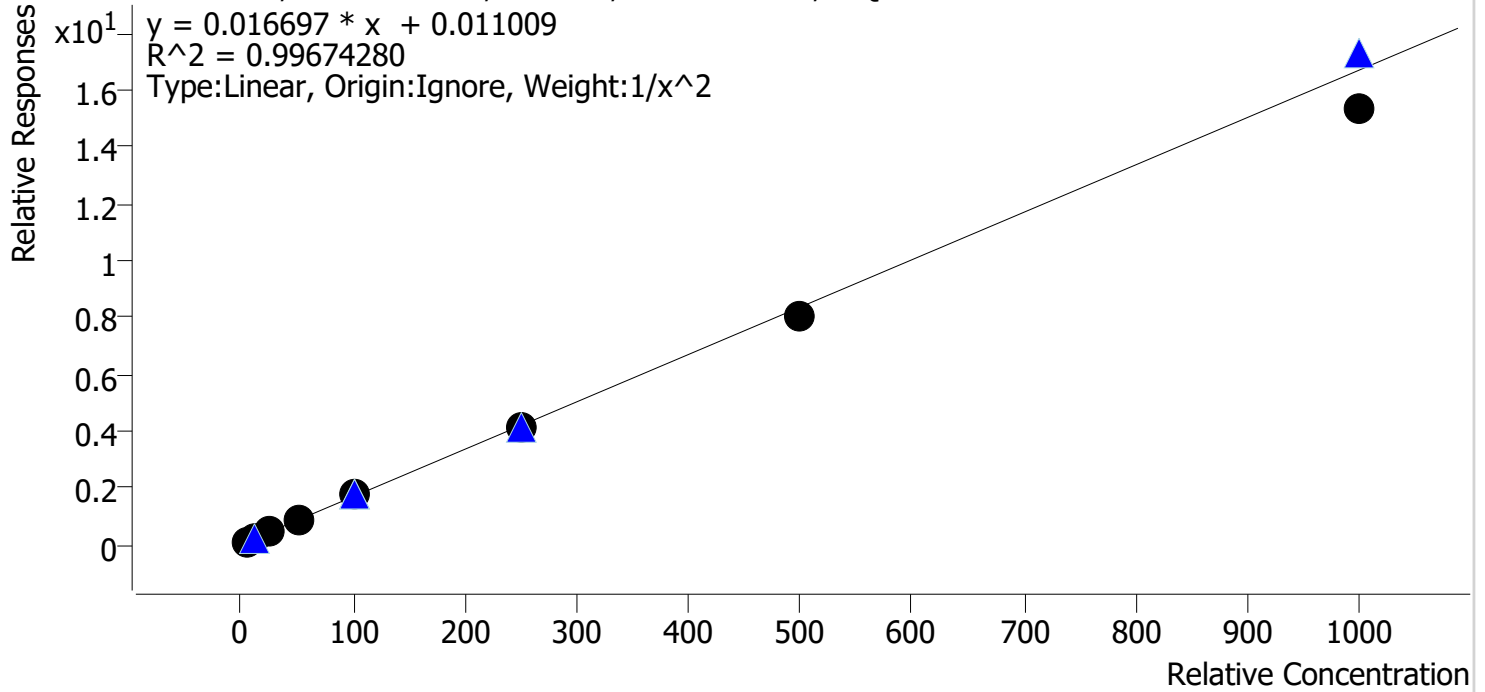
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	55.0	110.1
cal 5 mdq	5	✓	100.0	107.0	107.0
cal 6 mdq	6	✓	250.0	251.9	100.7
cal 7 mdq	7	✓	500.0	474.7	94.9
cal 8 mdq	8	✓	1000.0	843.7	84.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Trazodone

Internal Standard Trazodone-D6

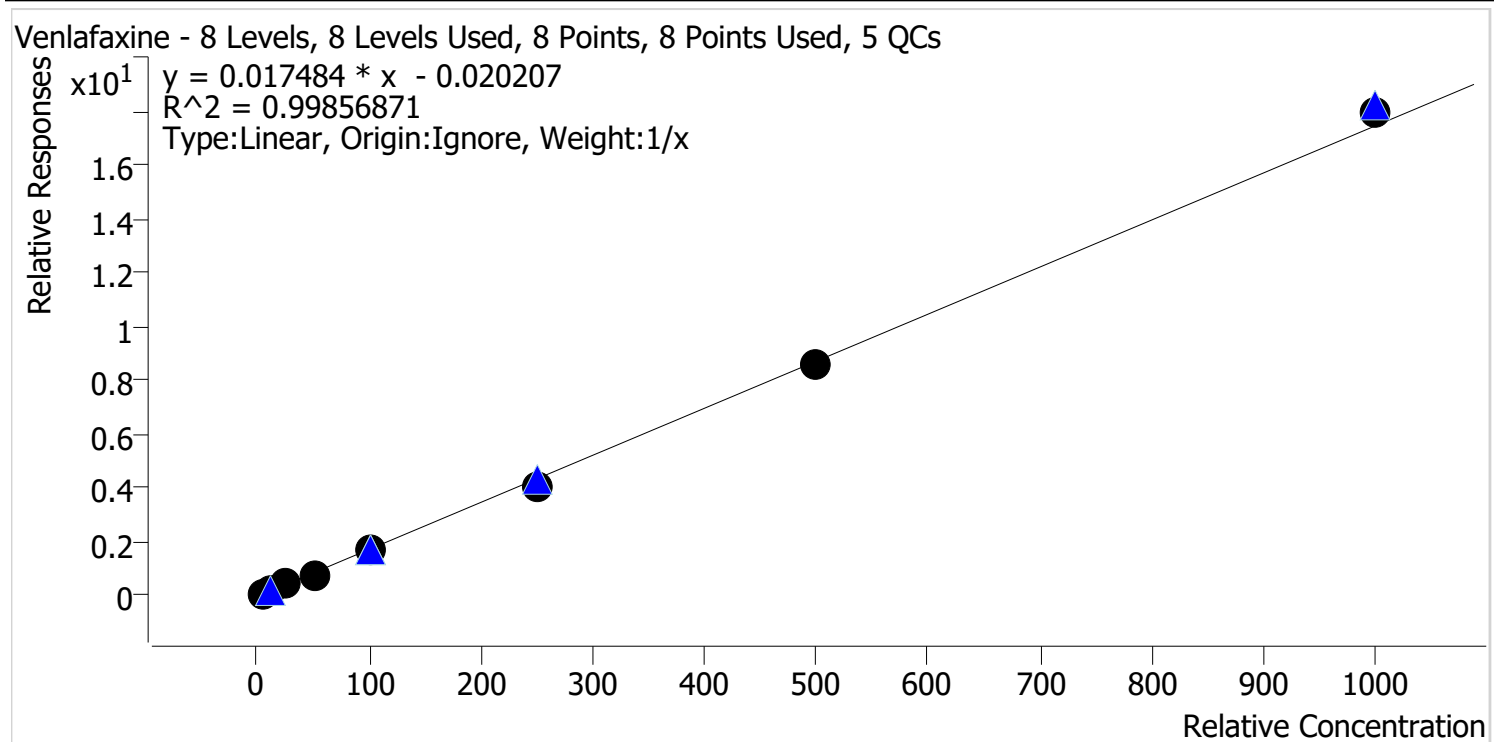
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.0
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	478.3	95.7
cal 8 mdq	8	✓	1000.0	917.9	91.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

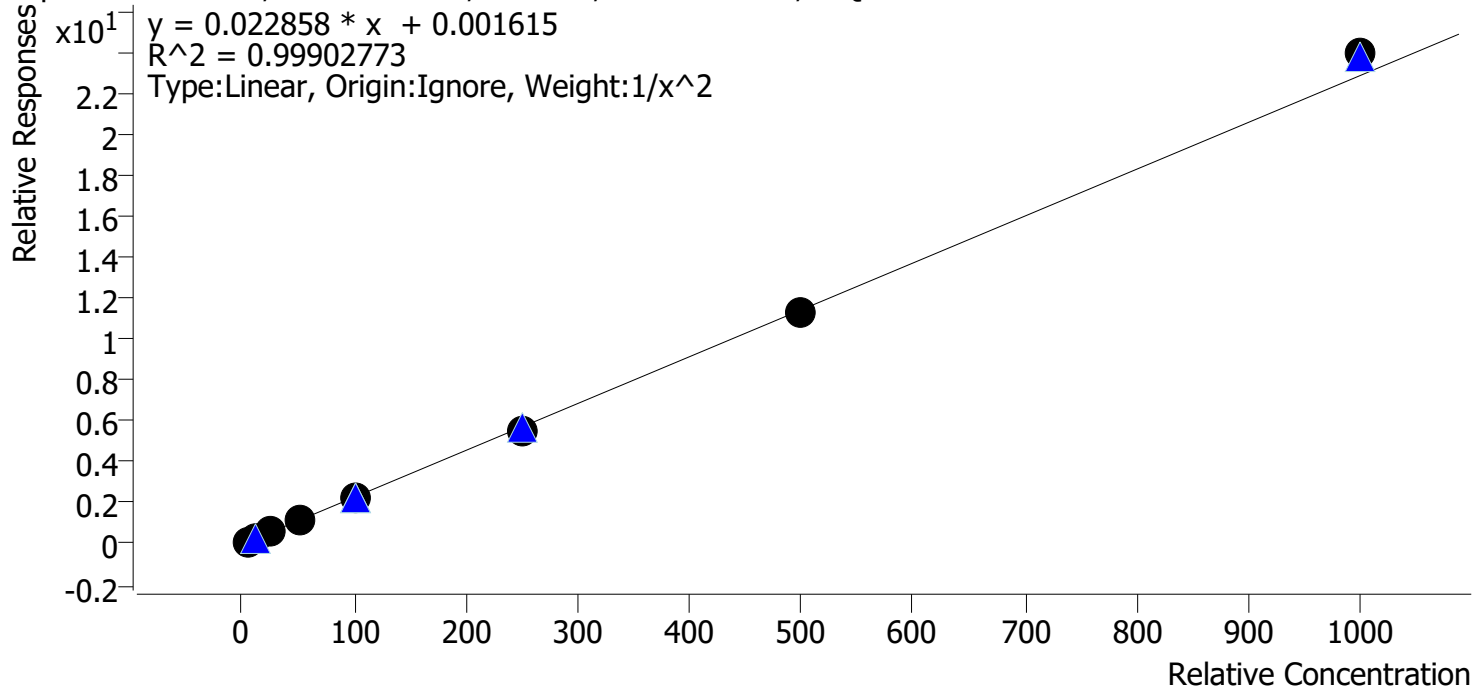


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	115.8
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	47.2	94.3
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	235.0	94.0
cal 7 mdq	7	✓	500.0	491.4	98.3
cal 8 mdq	8	✓	1000.0	1030.9	103.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

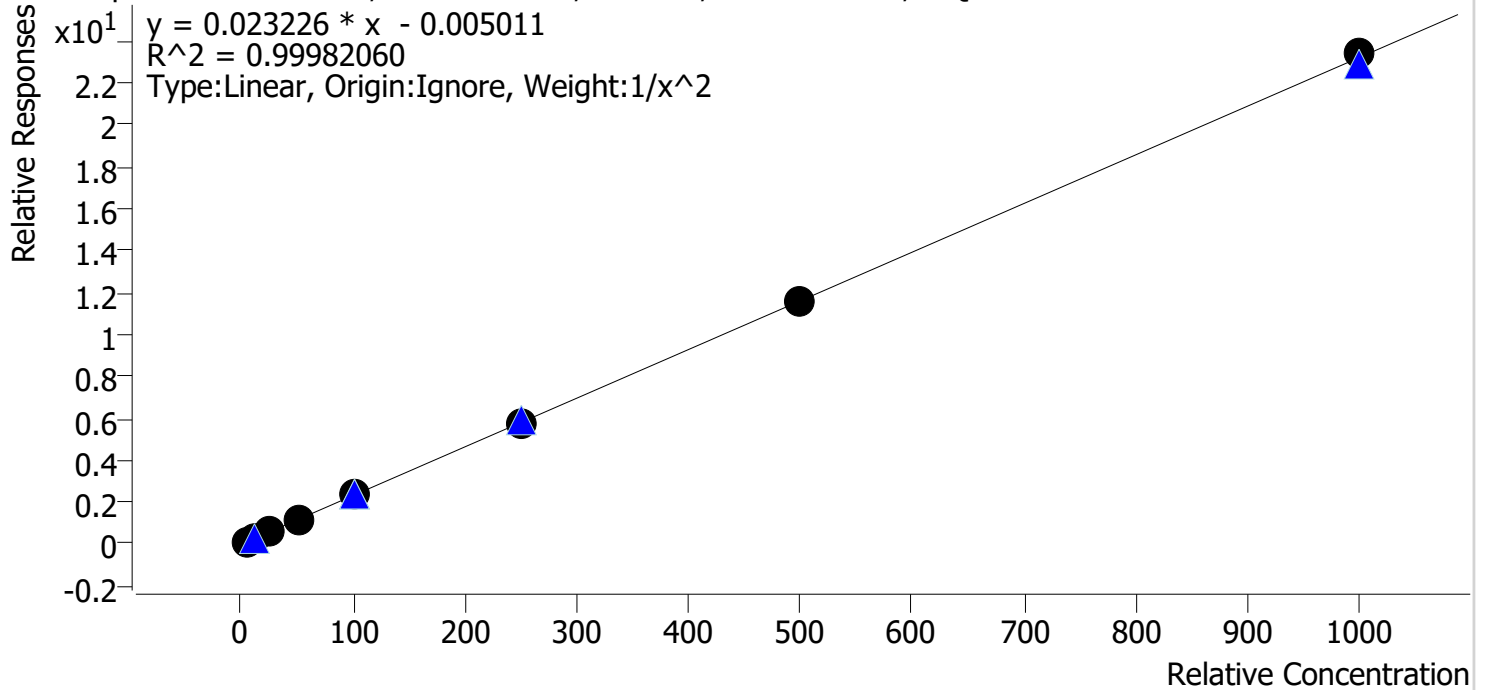


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	244.6	97.9
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	1046.8	104.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

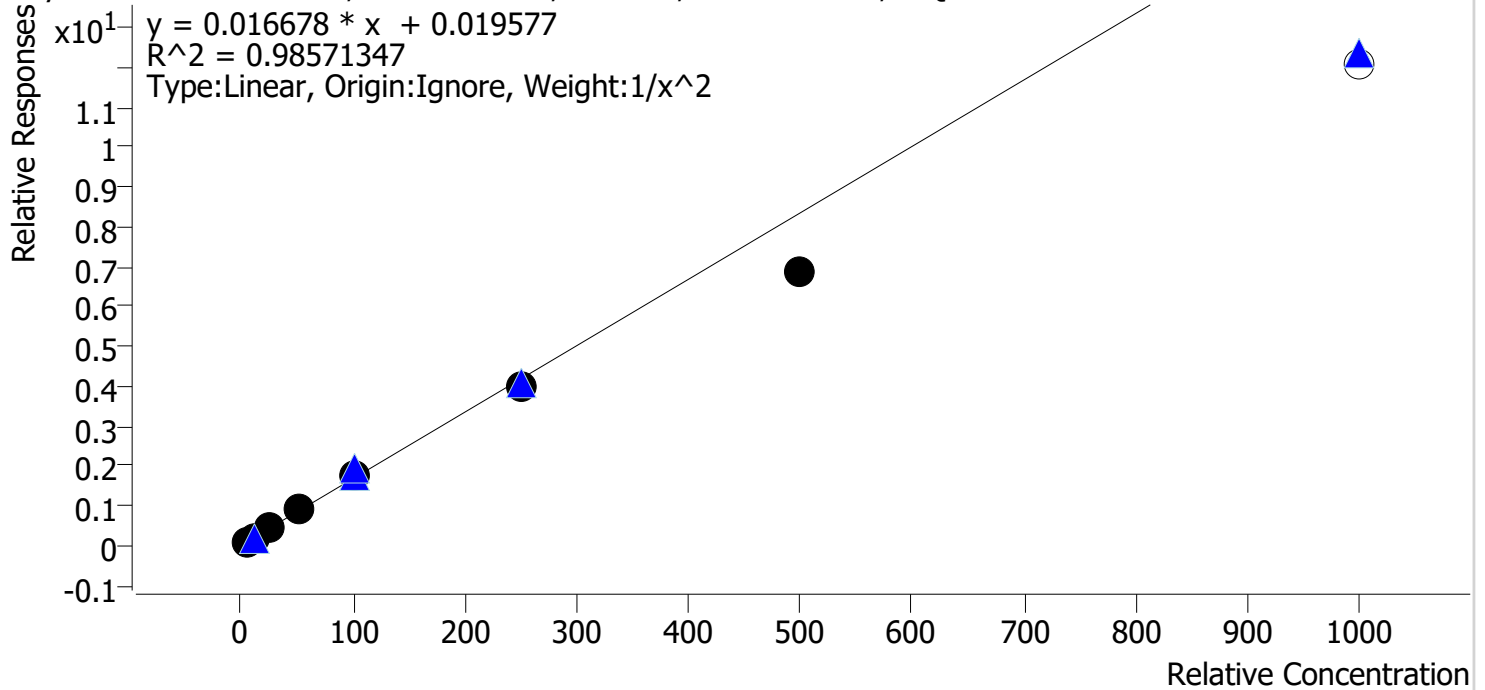


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	49.1	98.3
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	1008.2	100.8

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodeine-D6

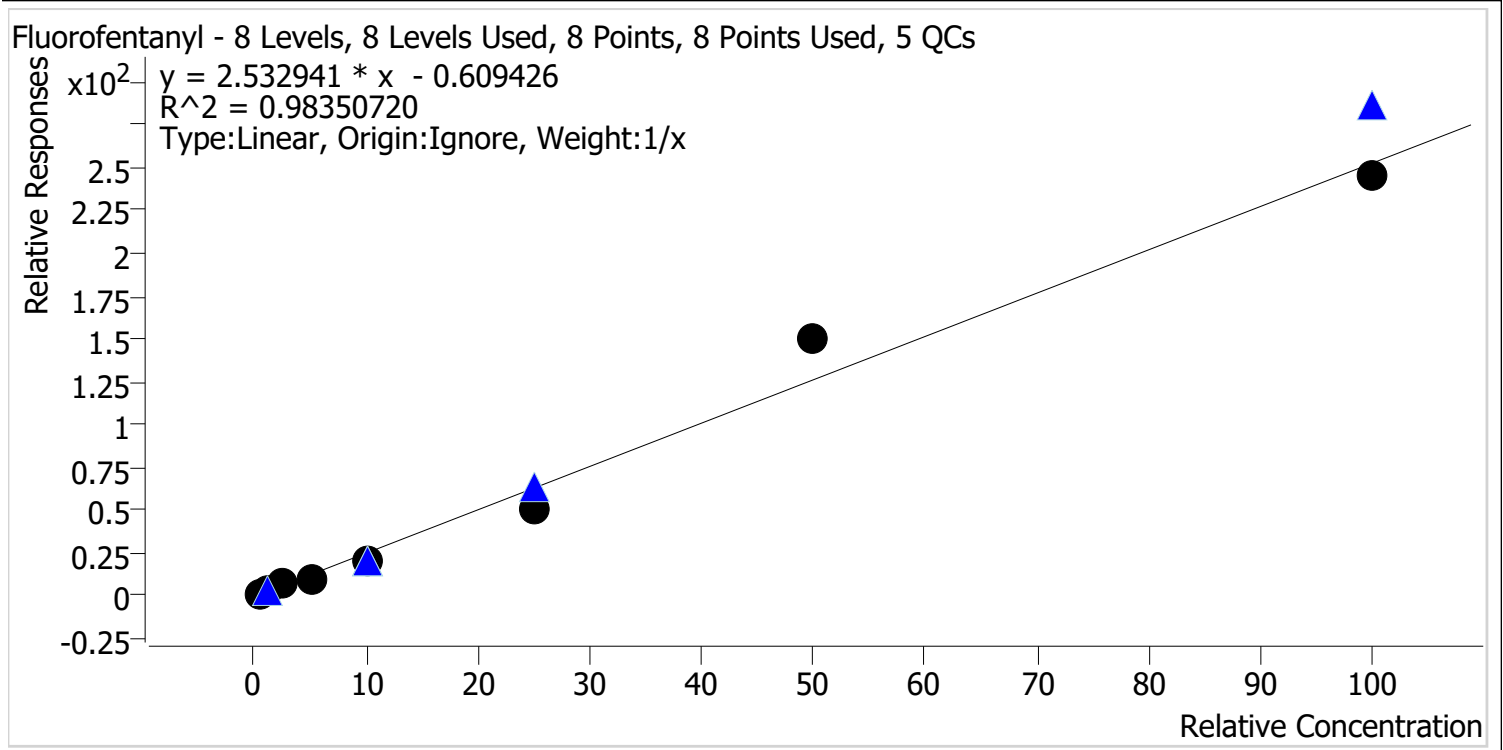
Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	27.3	109.3
cal 4 mdq	4	✓	50.0	56.7	113.4
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	235.8	94.3
cal 7 mdq	7	✓	500.0	413.2	82.6
cal 8 mdq	8	✗	1000.0	725.8	72.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

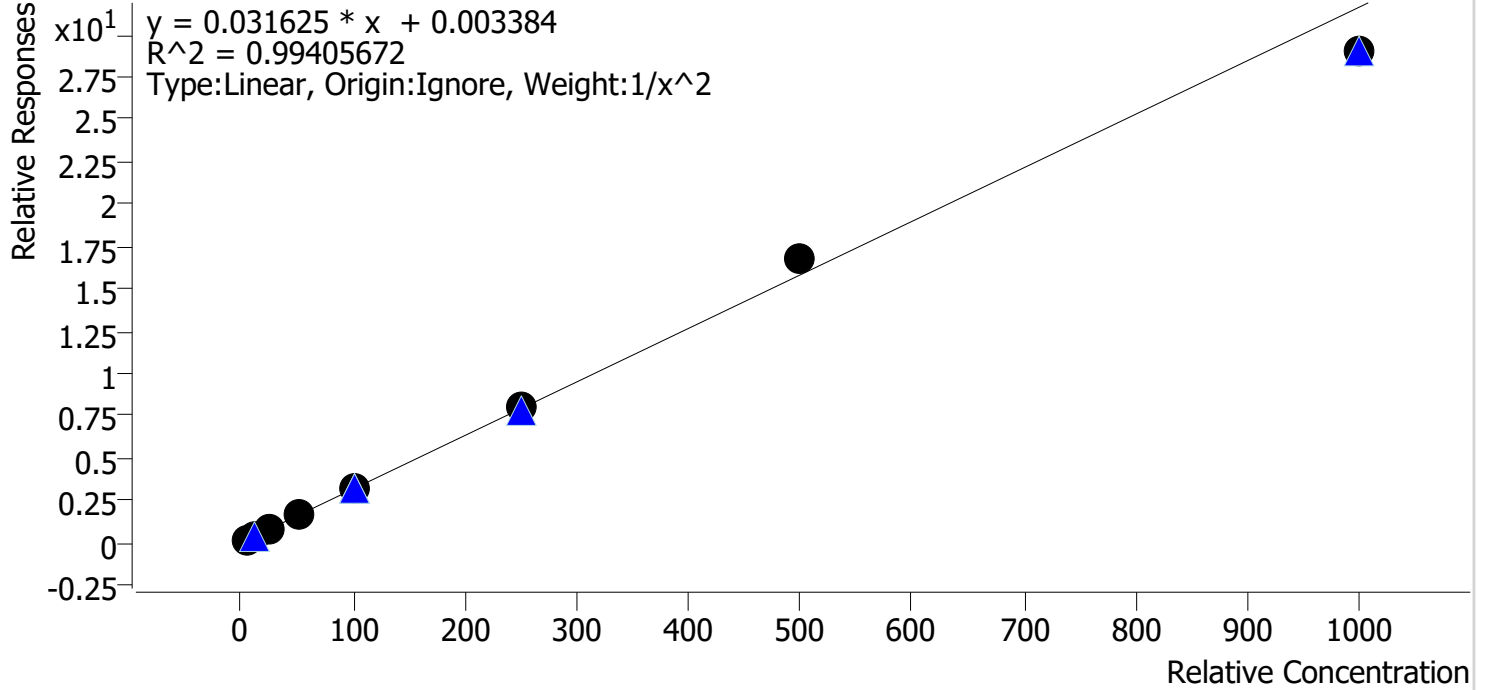


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	126.3
cal 2 mdq	2	✓	1.0	1.0	98.9
cal 3 mdq	3	✓	2.5	2.7	106.4
cal 4 mdq	4	✓	5.0	4.3	86.1
cal 5 mdq	5	✓	10.0	8.5	84.8
cal 6 mdq	6	✓	25.0	20.5	81.9
cal 7 mdq	7	✓	50.0	59.2	118.4
cal 8 mdq	8	✓	100.0	97.3	97.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-d3

Duloxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

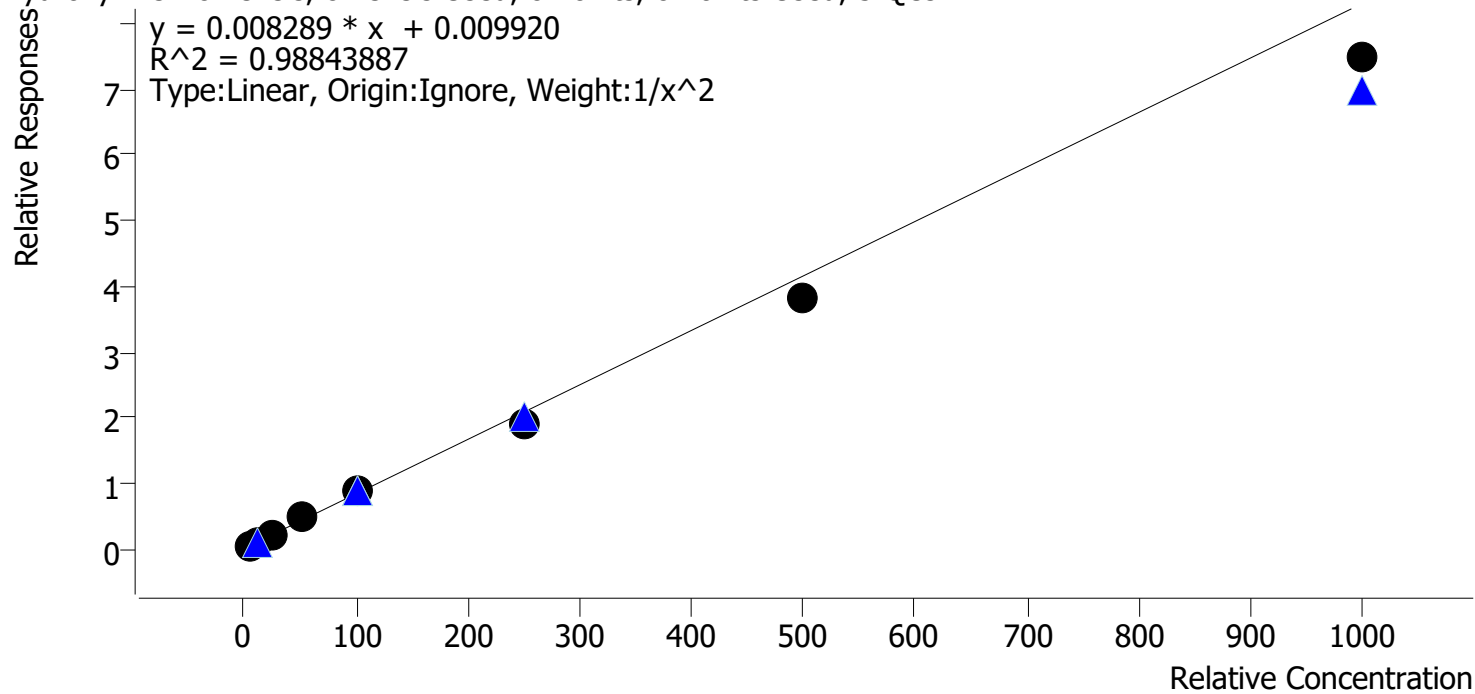


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	8.9	88.8
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	53.0	106.0
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	531.9	106.4
cal 8 mdq	8	✓	1000.0	917.1	91.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Diphenhydramine-D3

Hydroxyzine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

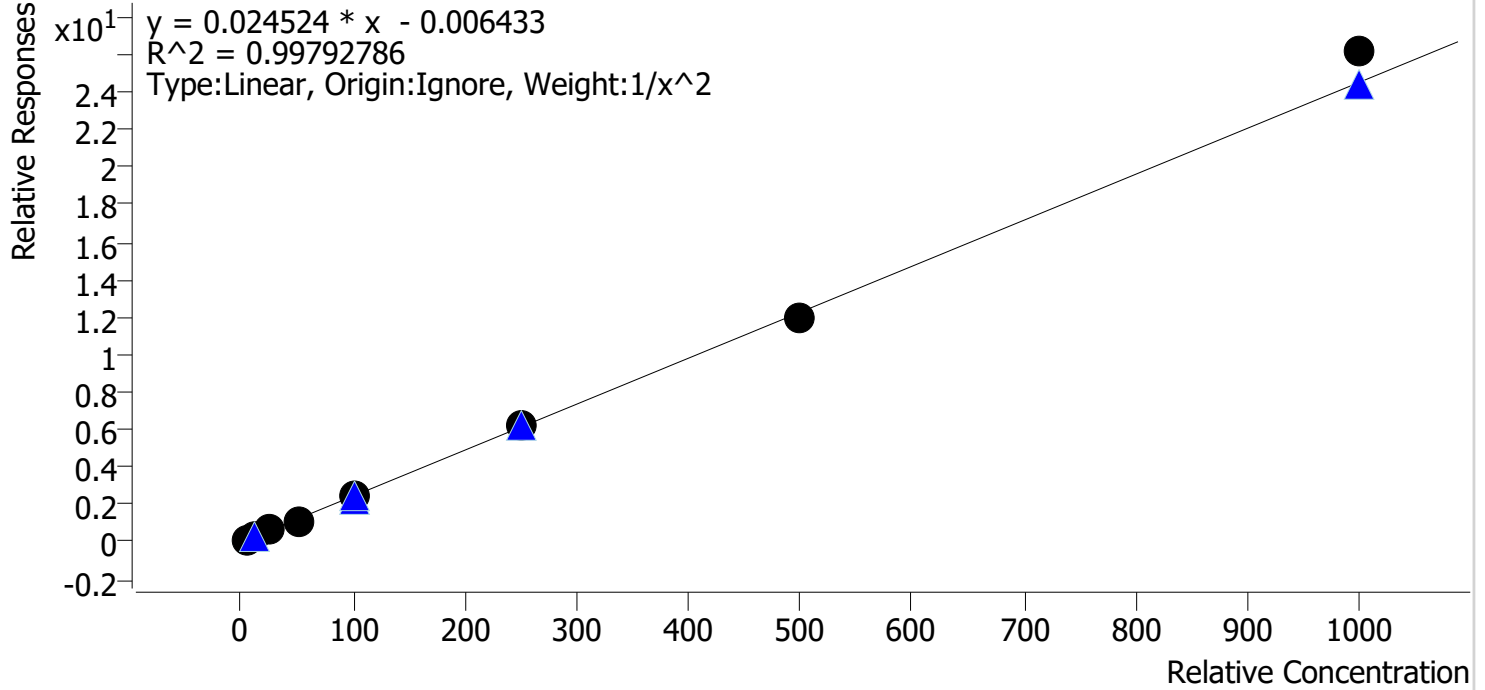


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.7	106.9
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	57.7	115.5
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	227.8	91.1
cal 7 mdq	7	✓	500.0	460.8	92.2
cal 8 mdq	8	✓	1000.0	900.8	90.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\12-28\113023\QuantResults\mdqr.batch.bin
Last Cal. Update 12/1/2023 11:57 AM
Analyst Name ISP\datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

Bromazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

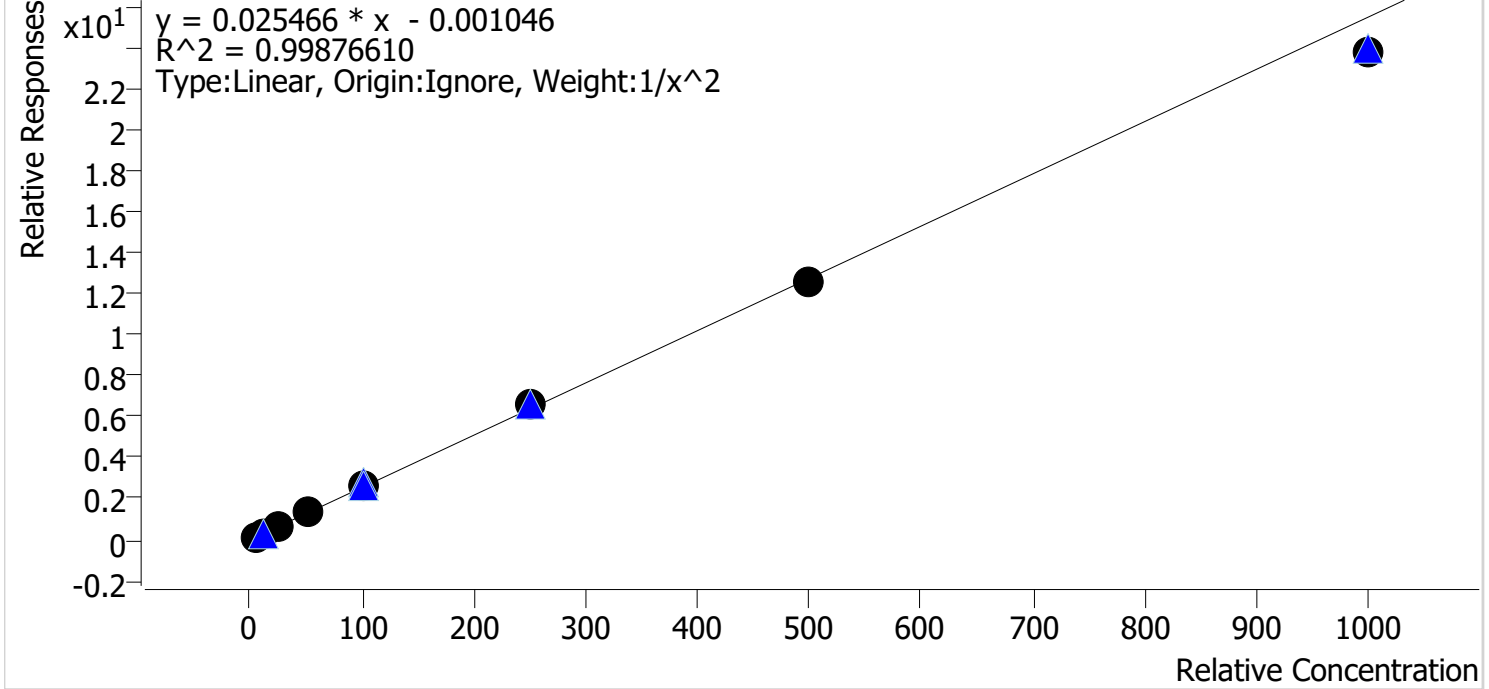


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	46.9	93.8
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	487.3	97.5
cal 8 mdq	8	✓	1000.0	1066.9	106.7

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin		
Last Cal. Update	12/1/2023 11:57 AM		
Analyst Name	ISP\datastor		
Analyte	O-Desmethylvenlafaxine	Internal Standard	O-Desmethylvenlafaxine-d6

O-Desmethylvenlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	493.3	98.7
cal 8 mdq	8	✓	1000.0	936.4	93.6

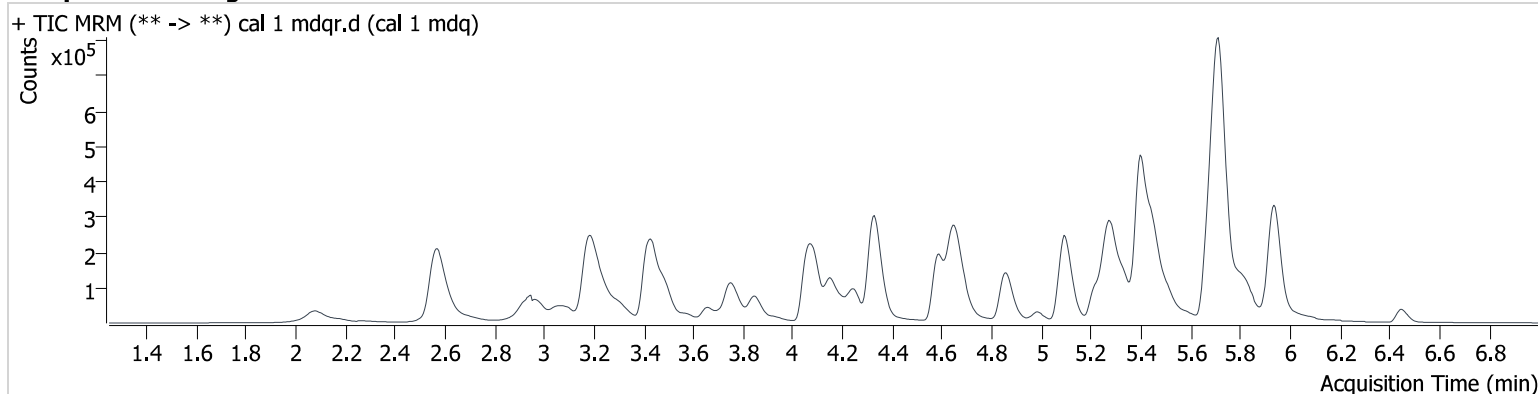
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Cal
Acq. Method mdqppq 113023.m
Sample Position P2-A1
Injection Volume 3
Acq. Date-Time 11/30/2023 8:32:23 PM
Sample Info.

Data File cal 1 mdqr.d
Sample cal 1 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.779	1140	7112.8	128.29	2369.3	64800	0.484 ng/ml
7-aminoclonazepam	4.261	14727	992.3	120.62	2229.1	149186	5.132 ng/ml
a-hydroxyalprazolam	5.674	922	176.8	52.68	40.0	11908	4.640 ng/ml
alpha-PHP	5.483	19778	31601.2	244.91	47676.9	396380	5.270 ng/ml
alpha-PVP	4.989	55504	6545.8	57.20	16282.2	439430	4.833 ng/ml
Alprazolam	5.753	14459	3571.0	97.66	571.8	116247	5.083 ng/ml
Amphetamine	3.058	40150	2420.6	292.33	2299.1	233155	4.812 ng/ml
Benzoylcegonine	3.842	1080	5463.4	37.79	74.6	6101	5.299 ng/ml
Bromazolam	5.798	6612	240.0	99.08	310.7	55992	5.078 ng/ml
Buprenorphine	6.459	4110	260.3	15.95	112.5	119642	0.495 ng/ml
Bupropion	5.509	69383	14637.7	65.58	6113.8	533747	4.881 ng/ml
Carisoprodol	5.708	9135	10300.8	88.30	294.2	95148	5.099 ng/ml
Citalopram	5.297	44780	∞	34.09	32711.9	384797	4.969 ng/ml
Clonazepam	5.596	2661	610.4	34.16	447.5	9078	3.917 ng/ml
Clonazolam	5.537	4021	7491.9	37.32	4956.7	112602	5.311 ng/ml
Cocaine	4.623	48899	62079.3	44.30	∞	697319	4.910 ng/ml
Codeine	3.749	6457	16491.3	103.47	∞	74144	4.732 ng/ml
Cyclobenzaprine	5.708	42738	113017.0	8.16	∞	260943	4.920 ng/ml
Dextromethorphan	5.341	31681	∞	70.17	19522.3	299949	5.086 ng/ml
Dextrorphan	4.160	35627	11665.1	45.87	134938.2	340370	4.897 ng/ml
Diazepam	5.941	10337	5036.4	90.59	219.7	89636	4.915 ng/ml
Dihydrocodeine	3.263	16816	575.2	63.70	274.2	167783	4.836 ng/ml
Diphenhydramine	5.409	155832	25294.5	31.40	4676.9	1310898	4.931 ng/ml
Doxylamine	4.670	125657	16171.7	85.99	23356.0	856930	5.040 ng/ml
Duloxetine	5.665	7356	∞	10.00	9.6 Low	43347	5.259 ng/ml
EDDP	5.267	56653	91776.3	44.29	41730.4	591557	4.993 ng/ml
Etizolam	5.793	1918	627.3	398.99	4156.9	89636	5.435 ng/ml
Fentanyl	5.731	4911	68.1	123.13	798.4	482741	0.486 ng/ml
Fluorofentanyl	5.767	5396	85.5	92.35	162.6	5452	0.631 ng/ml
Fluoxetine	5.722	43712	∞	6.19	3443.5	297366	4.989 ng/ml
Hydrocodone	3.929	20755	1581.6	40.19	706.6	235192	4.850 ng/ml
Hydromorphone	2.703	12571	1540.4	86.83	∞	98925	5.183 ng/ml
Hydroxyzine	5.953	64032	6719.3	111.53	129.0	1310898	4.696 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.253	40547	9317.0	38.75	∞	342790	4.851 ng/ml
Lamotrigine	4.441	3927	804.9	99.48	348.7	233155	4.987 ng/ml
MDA	3.209	52893	891.4	30.24	1192.3	396380	4.848 ng/ml
MDMA	3.316	35766	∞	96.88	28575.0	67916	5.108 ng/ml
Meprobamate	4.882	5587	746.2	40.04	294.0	40625	5.070 ng/ml
Methadone	5.674	86389	7099.2	51.78	5564.5	637040	4.961 ng/ml
Methamphetamine	3.246	114286	7072.2	36.87	3285.9	515110	4.789 ng/ml
Metoprolol	4.353	12967	∞	107.78	2337.1	396380	5.157 ng/ml
Mirtazapine	5.724	73039	57358.3	46.11	9703.6	260943	4.825 ng/ml
Mitragynine	5.745	23528	21180.9	33.22	3425.7	865350	4.828 ng/ml
Morphine	2.289	2951	167.7	20.07	38.8	7425	4.880 ng/ml
Norbuprenorphine	5.114	913	3228.5	99.15	2577.5	22076	0.578 ng/ml
Nordiazepam	5.879	3109	492.4	57.53	109.1	19344	5.123 ng/ml
Norfentanyl	4.085	2763	103.7	30.14	341.5	684554	0.486 ng/ml
Norhydrocodone	3.117	3230	740.3	56.88	1092.6	81969	5.291 ng/ml
Noroxycodone	2.947	17112	∞	46.56	∞	128901	4.921 ng/ml
O-desmethyl-tramadol	3.449	88744	98691.5	7.11	911.3	814492	4.933 ng/ml
O-Desmethylvenlafaxine	4.099	23689	381.1	567.51	∞	188357	4.980 ng/ml
Olanzapine	5.486	33682	2133.2	43.85	240.6	164374	5.020 ng/ml
Oxazepam	5.733	1610	52.6	53.99	91.5	14432	4.693 ng/ml
Oxycodone	3.569	43757	13557.8	29.08	449.7	332250	4.848 ng/ml
Oxymorphone	2.176	26750	∞	43.77	∞	197441	4.965 ng/ml
Phentermine	3.789	15537	201.1	11.73	74.0	355122	4.845 ng/ml
Promethazine	5.744	48615	∞	48.23	26832.0	473749	5.222 ng/ml
Pseudoephedrine	2.583	96946	∞	16.92	2610.1	865350	5.039 ng/ml
Quetiapine	5.942	77760	118378.9	62.33	63439.3	216587	4.706 ng/ml
Sertraline	5.831	10598	∞	112.26	∞	100710	4.965 ng/ml
Temazepam	5.800	12612	22840.0	28.37	53.8	112602	5.143 ng/ml
Tramadol	4.338	3721	131.7	2357.19	4702.7	899040	4.867 ng/ml
Trazodone	5.948	51651	∞	130.65	290276.4	561302	4.852 ng/ml
Venlafaxine	5.106	65506	8376.1	36.91	667.3	808848	5.788 ng/ml
Xylazine	4.233	5455	12.3	111.95	132.0	164591	4.220 ng/ml
Zolpidem	5.706	103885	∞	30.14	84391.2	877846	5.107 ng/ml

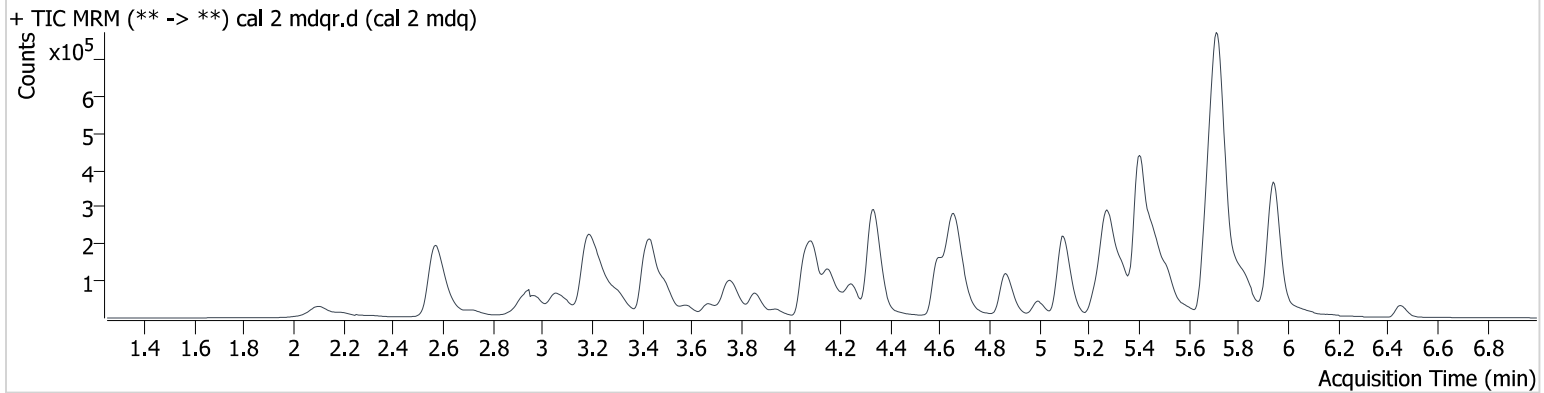
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Cal
Acq. Method mdqppq 113023.m
Sample Position P2-B1
Injection Volume 3
Acq. Date-Time 11/30/2023 8:41:16 PM
Sample Info.

Data File cal 2 mdqr.d
Sample cal 2 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.779	1912	5650.2	122.07	3297.0	56587	1.007 ng/ml
7-aminoclonazepam	4.261	23807	2184.3	120.42	2057.4	123652	9.603 ng/ml
a-hydroxyalprazolam	5.674	1727	141.3	65.97	125.6	9551	11.073 ng/ml
alpha-PHP	5.488	32376	7343.6	235.26	∞	337208	9.523 ng/ml
alpha-PVP	5.000	90168	377576.8	57.85	5376.7	364916	10.243 ng/ml
Alprazolam	5.753	25077	4036.4	91.58	69024.6	96291	9.979 ng/ml
Amphetamine	3.058	63172	2618.1	281.31	5806.1	196349	10.211 ng/ml
Benzoylcegonine	3.842	1859	5442.2	43.53	134.4	5608	9.755 ng/ml
Bromazolam	5.793	11173	349.2	94.14	77.0	47346	9.885 ng/ml
Buprenorphine	6.464	6958	228.4	15.09	162.2	96920	1.023 ng/ml
Bupropion	5.520	110937	9038.5	63.62	4244.2	428865	10.182 ng/ml
Carisoprodol	5.708	15234	12646.9	94.84	∞	90861	9.228 ng/ml
Citalopram	5.302	72971	30914.2	37.27	∞	322952	9.878 ng/ml
Clonazepam	5.591	4502	16781.8	46.49	367.1	7340	9.803 ng/ml
Clonazolam	5.532	6710	5216.1	37.28	2071.5	97395	9.425 ng/ml
Cocaine	4.628	76187	∞	47.99	27818.1	570218	9.831 ng/ml
Codeine	3.764	11311	101405.9	96.48	∞	62833	10.649 ng/ml
Cyclobenzaprine	5.713	76451	73467.4	8.33	7244.2	230995	10.158 ng/ml
Dextromethorphan	5.346	53851	216574.8	70.78	89779.4	263158	9.665 ng/ml
Dextrorphan	4.160	64772	270555.4	45.34	38671.5	300560	10.097 ng/ml
Diazepam	5.941	17347	2548.6	86.15	618.4	77048	10.183 ng/ml
Dihydrocodeine	3.273	27390	1500.4	67.59	555.1	146430	10.042 ng/ml
Diphenhydramine	5.415	264376	162783.8	32.52	11809.2	1081158	10.400 ng/ml
Doxylamine	4.670	204940	20372.2	87.37	6429.5	722690	9.807 ng/ml
Duloxetine	5.670	11368	41.7	10.74	35.4	39979	8.884 ng/ml
EDDP	5.267	100764	236615.2	43.44	56150.2	503420	9.949 ng/ml
Etizolam	5.798	2880	762.4	441.14	6452.5	77048	8.777 ng/ml
Fentanyl	5.736	9446	540.6	127.74	3053.5	414333	1.095 ng/ml
Fluorofentanyl	5.772	8351	2084.6	109.86	62.1	4404	0.989 ng/ml
Fluoxetine	5.727	74352	6457.8	5.79	74768.5	263699	9.902 ng/ml
Hydrocodone	3.939	36543	1990.5	37.49	656.5	219157	10.191 ng/ml
Hydromorphone	2.723	23504	556.7	92.79	6621.2	93600	9.420 ng/ml
Hydroxyzine	5.953	106553	3004.6	109.97	67.2	1081158	10.693 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.263	66763	4236.8	34.94	406.9	278847	10.188 ng/ml
Lamotrigine	4.435	5860	377.6	99.94	1029.6	196349	9.792 ng/ml
Lorazepam	5.731	1967	69.6	55.45	99.3	77048	5.601 ng/ml
MDA	3.209	88820	4046.0	31.83	∞	337208	10.224 ng/ml
MDMA	3.316	56824	∞	101.46	4764.5	57479	9.563 ng/ml
Meprobamate	4.877	8491	933.3	40.81	300.5	34888	9.584 ng/ml
Methadone	5.674	151004	191731.5	48.16	∞	550474	10.101 ng/ml
Methamphetamine	3.246	159368	∞	36.89	∞	434442	10.332 ng/ml
Metoprolol	4.358	20955	4480.9	103.88	5319.3	337208	9.586 ng/ml
Mirtazapine	5.729	122534	11037.0	49.46	28068.0	230995	10.240 ng/ml
Mitragynine	5.750	34368	6828.3	37.51	2602.5	704042	9.876 ng/ml
Morphine	2.320	5584	447.7	18.10	44.4	7199	10.190 ng/ml
Norbuprenorphine	5.114	1222	∞	95.48	1148.0	19233	0.948 ng/ml
Nordiazepam	5.885	4913	493.5	63.88	403.1	16725	9.678 ng/ml
Norfentanyl	4.080	4803	868.3	29.80	394.5	594544	1.031 ng/ml
Norhydrocodone	3.117	5443	276.0	56.91	1371.4	69525	9.295 ng/ml
Noroxycodone	2.947	30106	1323.5	47.43	∞	112464	10.080 ng/ml
O-desmethyl-tramadol	3.449	144860	19242.9	7.50	1832.5	674755	9.989 ng/ml
O-Desmethylvenlafaxine	4.099	39510	443.1	571.23	5107.2	156746	9.939 ng/ml
Olanzapine	5.491	51530	6035.5	47.10	2178.0	137246	9.594 ng/ml
Oxazepam	5.738	2781	160.0	66.86	59.5	11923	10.569 ng/ml
Oxycodone	3.579	68708	∞	28.99	912.2	270967	10.144 ng/ml
Oxymorphone	2.196	43244	∞	40.95	∞	168481	9.817 ng/ml
Phentermine	3.784	24660	392.1	11.21	486.6	291794	10.032 ng/ml
Promethazine	5.744	86919	2495785.9	46.84	8534.4	431515	9.525 ng/ml
Pseudoephedrine	2.583	157052	∞	17.69	2742.9	704042	9.820 ng/ml
Quetiapine	5.942	131305	1583719.9	61.38	255249.3	184273	10.479 ng/ml
Sertraline	5.836	20371	360427.0	106.33	12333.3	87259	10.430 ng/ml
Temazepam	5.806	20862	9099.7	31.12	140.5	97395	9.464 ng/ml
Tramadol	4.344	5977	295.9	2367.4	∞	749948	10.102 ng/ml
Trazodone	5.948	88308	∞	129.93	101817.4	482534	10.301 ng/ml
Venlafaxine	5.106	107081	19673.7	37.04	∞	675900	10.217 ng/ml
Xylazine	4.233	8620	37.6	131.03	353.0	142340	9.042 ng/ml
Zolpidem	5.706	166152	∞	30.08	∞	751806	9.598 ng/ml

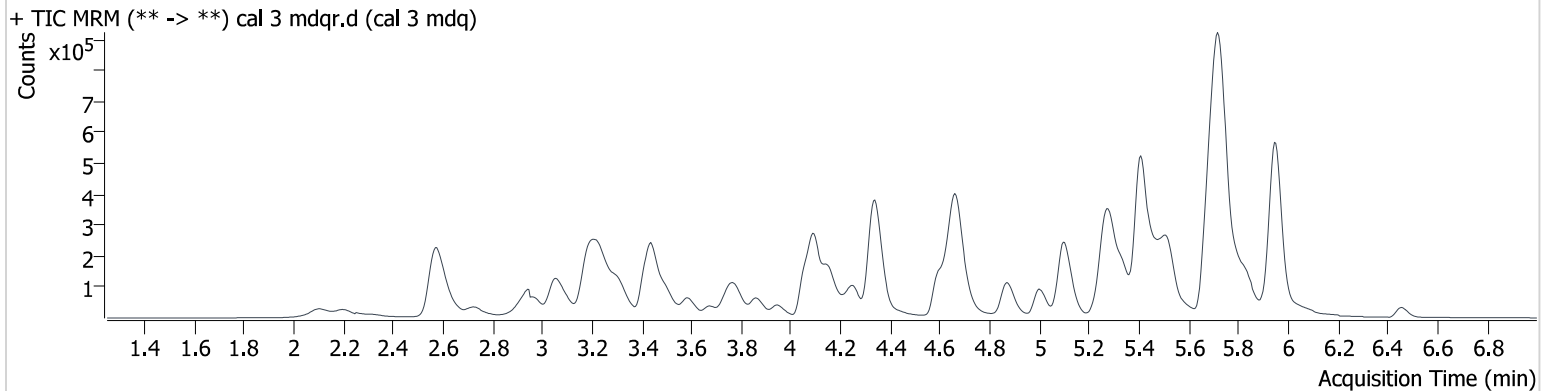
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Cal
Acq. Method mdqppq 113023.m
Sample Position P2-C1
Injection Volume 3
Acq. Date-Time 11/30/2023 8:49:59 PM
Sample Info.

Data File cal 3 mdqr.d
Sample cal 3 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.784	4381	∞	127.78	7787.7	48697	2.819 ng/ml
7-aminoclonazepam	4.261	54553	10793.5	119.76	12315.8	106488	24.841 ng/ml
a-hydroxyalprazolam	5.674	3762	590.6	53.75	77.5	8929	26.035 ng/ml
alpha-PHP	5.494	70818	575266.3	247.58	481035.9	301584	22.325 ng/ml
alpha-PVP	5.005	202869	∞	57.85	46822.3	334331	26.352 ng/ml
Alprazolam	5.753	53457	3141.0	97.45	∞	82715	23.866 ng/ml
Amphetamine	3.058	140508	6814.2	266.76	38821.5	177673	27.149 ng/ml
Benzoylcegonine	3.836	4483	∞	44.10	829.2	5036	25.876 ng/ml
Bromazolam	5.793	24376	78.0	94.15	90.9	41184	24.397 ng/ml
Buprenorphine	6.464	15708	2031.0	15.97	423.5	90651	2.454 ng/ml
Bupropion	5.525	248267	155331.8	65.03	50109.1	381802	26.314 ng/ml
Carisoprodol	5.708	33625	∞	96.11	3621.8	70584	27.014 ng/ml
Citalopram	5.302	164021	16028.7	38.11	133881.6	278597	26.130 ng/ml
Clonazepam	5.591	9177	3030.0	40.50	1591.1	6223	25.637 ng/ml
Clonazolam	5.532	14075	134423.6	38.89	17807.4	83823	21.701 ng/ml
Cocaine	4.633	180099	∞	44.48	58570.4	497213	27.553 ng/ml
Codeine	3.769	25341	∞	97.95	∞	58228	26.896 ng/ml
Cyclobenzaprine	5.713	169857	113997.6	8.35	∞	205329	25.708 ng/ml
Dextromethorphan	5.346	125666	∞	71.73	68517.1	234032	25.034 ng/ml
Dextrorphan	4.160	139379	∞	46.00	∞	268320	24.356 ng/ml
Diazepam	5.941	36447	988.9	83.52	1411.0	66181	25.798 ng/ml
Dihydrocodeine	3.279	63550	851.4	63.89	1170.4	133688	27.329 ng/ml
Diphenhydramine	5.415	583555	179147.1	32.25	194964.3	1053990	23.854 ng/ml
Doxylamine	4.670	461181	40528.1	87.91	81913.8	645225	24.817 ng/ml
Duloxetine	5.665	28666	89.6	8.64	16.8	36857	24.486 ng/ml
EDDP	5.273	232320	11890.8	41.73	193644.9	440891	25.463 ng/ml
Etizolam	5.798	6765	1411.4	415.08	14310.6	66181	22.337 ng/ml
Fentanyl	5.736	17958	2154.7	142.41	4833.8	362329	2.387 ng/ml
Fluorofentanyl	5.777	20960	3963.4	99.34	635.5	3421	2.659 ng/ml
Fluoxetine	5.727	175486	∞	6.16	8827.5	247330	25.466 ng/ml
Hydrocodone	3.949	78797	∞	37.30	693.4	196486	26.133 ng/ml
Hydromorphone	2.728	54558	∞	82.00	2357.0	81636	23.674 ng/ml
Hydroxyzine	5.953	241247	23141.1	110.78	17324.9	1053990	26.418 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.274	150457	24456.8	36.34	∞	246350	26.547 ng/ml
Lamotrigine	4.435	12867	933.1	101.90	1717.0	177673	25.529 ng/ml
Lorazepam	5.731	3980	∞	58.13	∞	66181	25.044 ng/ml
MDA	3.209	200563	16926.2	29.80	60064.9	301584	26.839 ng/ml
MDMA	3.316	131561	∞	102.07	33477.1	50900	24.952 ng/ml
Meprobamate	4.877	18031	1880.4	44.04	881.5	29901	24.921 ng/ml
Methadone	5.674	331667	66225.3	47.81	∞	492424	24.896 ng/ml
Methamphetamine	3.246	311236	∞	38.21	12001.8	385735	27.155 ng/ml
Metoprolol	4.358	47280	∞	99.57	81942.6	301584	23.826 ng/ml
Mirtazapine	5.734	269219	30842.3	50.64	47057.7	205329	27.113 ng/ml
Mitragynine	5.750	82693	16042.1	34.43	3590.8	635697	28.846 ng/ml
Morphine	2.320	11948	1620.9	18.47	88.6	6164	26.514 ng/ml
Norbuprenorphine	5.119	2726	5515.1	83.51	6690.7	17058	2.550 ng/ml
Nordiazepam	5.879	11518	1076.3	61.72	1573.2	15542	24.993 ng/ml
Norfentanyl	4.080	10884	982.9	31.79	16132.3	550538	2.607 ng/ml
Norhydrocodone	3.117	13423	1783.4	52.11	655.9	63063	23.157 ng/ml
Noroxycodone	2.942	70623	∞	46.95	∞	104185	25.762 ng/ml
O-desmethyl-tramadol	3.449	331540	66325.1	7.46	3598.0	600048	26.143 ng/ml
O-Desmethylvenlafaxine	4.099	91272	890.5	551.88	18022.1	140050	25.632 ng/ml
Olanzapine	5.496	127497	22466.3	49.32	3257.1	125580	26.751 ng/ml
Oxazepam	5.738	5175	269.4	73.74	100.1	10963	22.103 ng/ml
Oxycodone	3.584	158928	1438.2	29.45	2541.9	250268	26.722 ng/ml
Oxymorphone	2.201	99767	∞	44.31	∞	150440	26.090 ng/ml
Phentermine	3.789	56816	∞	10.74	162.3	253196	27.835 ng/ml
Promethazine	5.749	197540	∞	47.19	4176.5	380201	23.380 ng/ml
Pseudoephedrine	2.583	370745	183830.9	17.56	∞	635697	25.326 ng/ml
Quetiapine	5.942	297951	∞	60.45	∞	167546	27.881 ng/ml
Sertraline	5.836	50881	110620.2	109.56	31448.9	92666	23.881 ng/ml
Temazepam	5.800	48727	7188.1	26.64	99.4	83823	24.983 ng/ml
Tramadol	4.344	12939	742.2	2481.26	83687.4	656653	26.135 ng/ml
Trazodone	5.954	193927	∞	133.52	∞	432675	26.184 ng/ml
Venlafaxine	5.106	241569	74336.7	36.74	2930.2	597496	24.280 ng/ml
Xylazine	4.238	18818	54.4	131.29	259.9	124108	25.059 ng/ml
Zolpidem	5.706	371557	∞	29.97	∞	653250	24.813 ng/ml

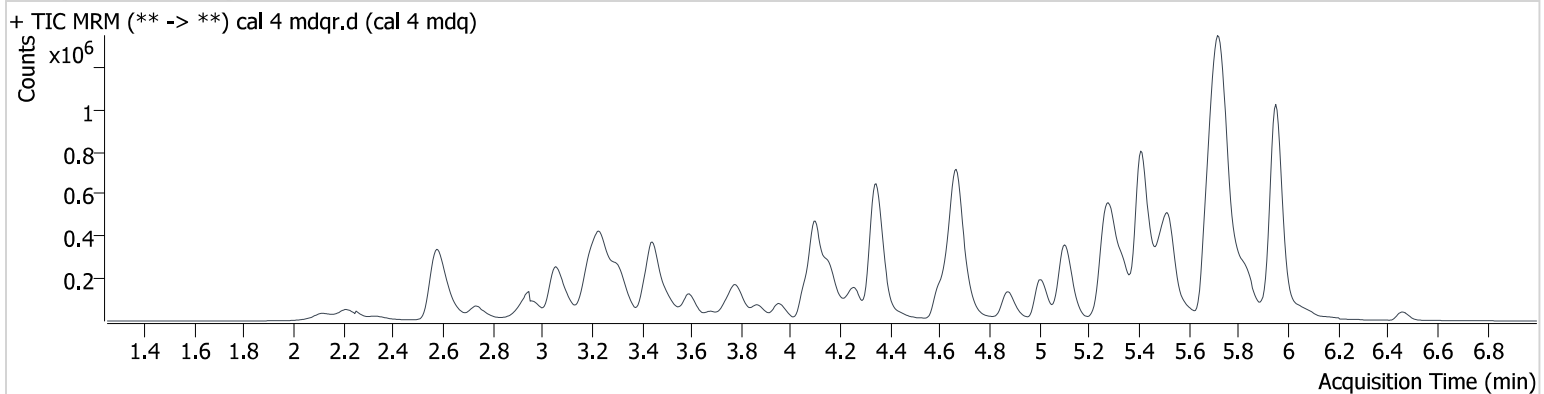
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Cal
Acq. Method mdqppq 113023.m
Sample Position P2-D1
Injection Volume 3
Acq. Date-Time 11/30/2023 8:58:41 PM
Sample Info.

Data File cal 4 mdqr.d
Sample cal 4 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.794	8996	∞	128.56	18700.7	54671	5.226 ng/ml
7-aminoclonazepam	4.261	116327	12349.1	117.70	7974.3	116457	48.029 ng/ml
a-hydroxyalprazolam	5.674	7782	43538.1	62.46	606.6	8709	55.411 ng/ml
alpha-PHP	5.494	157201	∞	238.35	990374.8	317787	46.291 ng/ml
alpha-PVP	5.005	446289	∞	57.88	35602.7	367044	53.631 ng/ml
Alprazolam	5.753	105197	1792.7	94.54	5417.9	79531	48.211 ng/ml
Amphetamine	3.058	300930	28292.1	251.31	22532.9	194777	54.380 ng/ml
Benzoylcegonine	3.836	9331	34437.7	43.47	553.0	5944	45.480 ng/ml
Bromazolam	5.798	49072	629.1	97.70	235.7	42908	46.897 ng/ml
Buprenorphine	6.470	34934	1975.7	15.08	723.7	99133	4.979 ng/ml
Bupropion	5.525	538290	74133.1	64.88	3006880.5	423060	51.944 ng/ml
Carisoprodol	5.708	62295	688772.3	102.70	∞	72976	48.749 ng/ml
Citalopram	5.302	352949	22926.7	35.20	36467.1	305084	51.582 ng/ml
Clonazepam	5.591	19893	949.5	40.49	1992.8	6888	51.619 ng/ml
Clonazolam	5.532	30146	20326.6	43.50	598882.5	84087	45.332 ng/ml
Cocaine	4.633	389196	∞	45.03	540766.3	563902	52.978 ng/ml
Codeine	3.774	54735	∞	94.55	∞	62810	54.669 ng/ml
Cyclobenzaprine	5.713	350928	∞	7.96	26614.6	215259	50.869 ng/ml
Dextromethorphan	5.346	274382	∞	72.18	∞	257411	49.497 ng/ml
Dextrorphan	4.160	311471	∞	45.78	205797.9	286381	51.010 ng/ml
Diazepam	5.936	73623	∞	89.53	16684.2	69716	50.034 ng/ml
Dihydrocodeine	3.284	135621	884.7	64.92	1220.0	140499	56.704 ng/ml
Diphenhydramine	5.415	1270461	155400.0	31.28	8095.6	1056750	52.082 ng/ml
Doxylamine	4.670	1038244	∞	85.66	735874.9	707437	51.024 ng/ml
Duloxetine	5.665	62734	∞	9.72	75.5	37345	53.011 ng/ml
EDDP	5.267	508106	62344.9	41.33	565678.6	485134	50.170 ng/ml
Etizolam	5.798	15711	5809.4	382.35	20475.2	69716	48.092 ng/ml
Fentanyl	5.741	35464	24930.1	145.81	19816.1	383432	4.459 ng/ml
Fluorofentanyl	5.772	42425	5510.5	105.60	238.5	4120	4.306 ng/ml
Fluoxetine	5.727	346432	∞	6.06	4541.9	242113	51.725 ng/ml
Hydrocodone	3.954	176351	∞	36.18	1124.7	213599	55.023 ng/ml
Hydromorphone	2.739	125815	1976.4	83.07	∞	85438	51.153 ng/ml
Hydroxyzine	5.959	516316	25935.2	108.60	35939.7	1056750	57.750 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.274	329025	∞	36.86	67302.2	268832	53.561 ng/ml
Lamotrigine	4.441	28643	3643.6	99.98	2451.5	194777	53.117 ng/ml
Lorazepam	5.731	7224	316.1	55.87	494.3	69716	49.469 ng/ml
MDA	3.209	402517	21002.7	31.96	∞	317787	51.726 ng/ml
MDMA	3.316	288790	∞	101.32	157562.1	55489	50.211 ng/ml
Meprobamate	4.877	40941	8572.6	43.21	1090.2	33001	52.111 ng/ml
Methadone	5.674	726287	177614.6	49.02	∞	519633	51.732 ng/ml
Methamphetamine	3.246	649947	∞	38.01	74506.4	430387	54.042 ng/ml
Metoprolol	4.358	101591	419367.5	97.06	26930.3	317787	48.340 ng/ml
Mirtazapine	5.734	535020	55055.2	50.06	51406.5	215259	52.492 ng/ml
Mitragynine	5.755	168619	51773.2	34.56	35088.3	702691	54.495 ng/ml
Morphine	2.335	26213	1511.5	18.86	1278.4	6940	52.330 ng/ml
Norbuprenorphine	5.124	5338	8030.8	103.43	38541.0	18671	4.650 ng/ml
Nordiazepam	5.879	24339	∞	63.58	709.8	17888	46.206 ng/ml
Norfentanyl	4.085	22974	5466.1	30.61	9466.6	589409	5.196 ng/ml
Norhydrocodone	3.117	29964	∞	52.49	∞	70364	45.095 ng/ml
Noroxycodone	2.947	146487	2423.8	48.31	∞	108119	51.646 ng/ml
O-desmethyl-tramadol	3.449	732996	54761.0	7.22	6888.5	676736	51.514 ng/ml
O-Desmethylvenlafaxine	4.104	198302	312.2	559.32	∞	154877	50.319 ng/ml
Olanzapine	5.496	286040	∞	47.87	8385.1	146450	51.902 ng/ml
Oxazepam	5.738	10226	128.5	66.86	67.4	10487	46.400 ng/ml
Oxycodone	3.590	336918	4434.7	30.79	27494.6	270334	53.287 ng/ml
Oxymorphone	2.211	217965	∞	42.89	∞	162414	53.268 ng/ml
Phentermine	3.789	115851	16806.1	10.29	1586.9	267948	54.303 ng/ml
Promethazine	5.749	421500	∞	45.82	∞	394171	47.322 ng/ml
Pseudoephedrine	2.588	798444	45147.2	17.83	117553.8	702691	49.137 ng/ml
Quetiapine	5.942	623897	∞	63.02	2478342.5	181146	55.080 ng/ml
Sertraline	5.836	110741	311271.8	112.62	35343.1	98207	48.538 ng/ml
Temazepam	5.800	97886	15418.5	28.15	1297.5	84087	49.622 ng/ml
Tramadol	4.344	29500	1321.7	2355.2	3130799.1	722007	55.038 ng/ml
Trazodone	5.954	402926	∞	133.47	∞	461258	51.658 ng/ml
Venlafaxine	5.106	528823	1478872.8	37.42	24610.9	657404	47.164 ng/ml
Xylazine	4.238	43676	389.9	132.76	1324.7	133457	55.951 ng/ml
Zolpidem	5.706	791104	∞	30.55	∞	691982	49.944 ng/ml

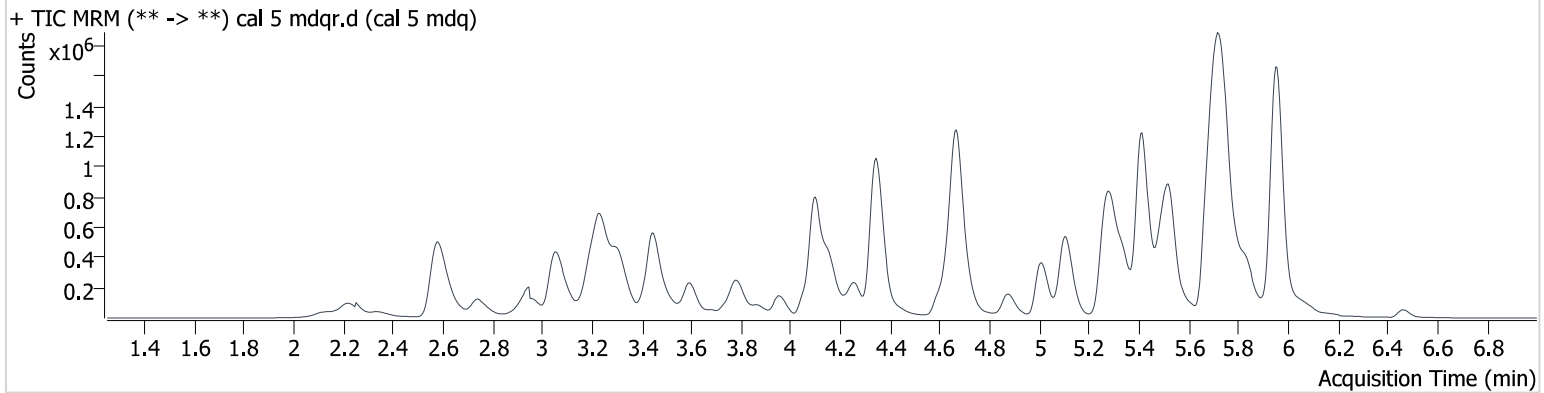
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
Type Cal
Acq. Method mdqppq 113023.m
Sample Position P2-E1
Injection Volume 3
Acq. Date-Time 11/30/2023 9:07:24 PM
Sample Info.

Data File cal 5 mdqr.d
Sample cal 5 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.794	16611	50449.0	126.29	∞	52175	10.190 ng/ml
7-aminoclonazepam	4.261	212206	8884.4	121.13	18942.2	105811	95.999 ng/ml
a-hydroxyalprazolam	5.674	12666	∞	68.74	4973.2	7585	103.701 ng/ml
alpha-PHP	5.499	277303	305594.0	255.24	3272620.3	277716	92.759 ng/ml
alpha-PVP	5.010	852447	162112.0	57.08	72088.9	351606	107.757 ng/ml
Alprazolam	5.753	175561	∞	95.41	∞	68306	93.108 ng/ml
Amphetamine	3.058	546974	64167.4	252.88	∞	180410	108.067 ng/ml
Benzoylcegonine	3.842	18786	∞	43.19	773.1	5140	105.635 ng/ml
Bromazolam	5.793	87047	958.7	93.44	2098.4	35227	101.023 ng/ml
Buprenorphine	6.470	68813	9981.1	15.13	1076.9	93892	10.344 ng/ml
Bupropion	5.530	995302	423363.1	63.96	45981.3	399418	102.183 ng/ml
Carisoprodol	5.703	111097	586137.6	86.24	4593.3	57412	111.057 ng/ml
Citalopram	5.302	635766	55833.7	38.92	∞	281516	100.926 ng/ml
Clonazepam	5.591	39144	2743.2	38.14	4418.5	7030	100.888 ng/ml
Clonazolam	5.532	57493	377817.6	39.28	11745.8	72503	99.196 ng/ml
Cocaine	4.633	738773	96853.4	45.55	∞	545450	104.471 ng/ml
Codeine	3.780	97973	∞	96.19	∞	61494	100.622 ng/ml
Cyclobenzaprine	5.713	611232	22596.7	7.96	∞	186265	102.609 ng/ml
Dextromethorphan	5.346	523214	263235.6	74.42	2610770.2	242348	100.045 ng/ml
Dextrorphan	4.160	593156	188188.8	45.50	∞	275678	100.926 ng/ml
Diazepam	5.936	131833	4679.9	87.35	8967.2	61193	102.712 ng/ml
Dihydrocodeine	3.289	241945	484.8	66.48	984.1	139022	103.177 ng/ml
Diphenhydramine	5.415	2409269	230844.8	32.70	69893.7	1074748	97.322 ng/ml
Doxylamine	4.670	2019907	∞	84.99	525330.4	684649	102.638 ng/ml
Duloxetine	5.665	116538	3020.0	9.83	191.2	35482	103.749 ng/ml
EDDP	5.267	954637	1575703.2	42.31	∞	455016	100.051 ng/ml
Etizolam	5.798	27434	7337.3	381.86	2549.5	61193	94.724 ng/ml
Fentanyl	5.736	70479	7777.6	132.79	∞	340806	9.977 ng/ml
Fluorofentanyl	5.777	78975	8054.6	104.51	2045.9	3786	8.476 ng/ml
Fluoxetine	5.722	517943	∞	6.62	27108.4	187937	99.960 ng/ml
Hydrocodone	3.954	317245	7460.1	38.78	6236.8	206731	103.263 ng/ml
Hydromorphone	2.744	242770	3513.3	81.27	∞	82716	101.116 ng/ml
Hydroxyzine	5.959	942358	16615.2	111.64	77260.7	1074748	104.588 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.279	596098	∞	36.32	5751.3	245258	106.720 ng/ml
Lamotrigine	4.435	52268	5519.0	101.95	4815.4	180410	105.847 ng/ml
Lorazepam	5.731	12013	708.9	47.86	∞	61193	101.538 ng/ml
MDA	3.209	713540	47079.6	31.19	32126.5	277716	105.617 ng/ml
MDMA	3.316	535201	92282.0	100.88	116885.6	51156	100.904 ng/ml
Meprobamate	4.877	81310	63569.1	41.54	2748.1	32282	106.617 ng/ml
Methadone	5.674	1352182	2907827.5	48.86	29138.6	500991	99.957 ng/ml
Methamphetamine	3.246	1180451	155547.8	38.34	∞	412186	105.798 ng/ml
Metoprolol	4.358	184797	175062.4	97.24	18651.5	277716	100.367 ng/ml
Mirtazapine	5.734	912964	8630621.5	50.61	107858.2	186265	104.707 ng/ml
Mitragynine	5.755	308879	152239.6	36.79	14279.9	672666	105.668 ng/ml
Morphine	2.345	51620	1631.3	20.02	1653.4	7522	95.660 ng/ml
Norbuprenorphine	5.119	9953	∞	104.46	25005.4	16919	9.684 ng/ml
Nordiazepam	5.879	43873	5369.0	65.80	10585.3	15523	96.391 ng/ml
Norfentanyl	4.080	43164	12633.5	29.53	7679.9	554400	10.437 ng/ml
Norhydrocodone	3.117	65377	1724.5	46.37	733.4	69056	98.748 ng/ml
Noroxycodone	2.947	288252	3705361444 0965.0	44.44	∞	101082	108.872 ng/ml
O-desmethyl-tramadol	3.449	1411842	185304.9	7.09	26567.8	648569	103.811 ng/ml
O-Desmethylvenlafaxine	4.099	380894	504.7	557.06	59754.3	145953	102.518 ng/ml
Olanzapine	5.502	521930	∞	49.47	19779.9	140084	99.438 ng/ml
Oxazepam	5.738	17386	628.9	67.48	4693.7	8319	100.234 ng/ml
Oxycodone	3.590	645720	11721.2	29.86	∞	259782	107.146 ng/ml
Oxymorphone	2.221	417479	∞	44.26	∞	158609	104.916 ng/ml
Phentermine	3.789	203169	1982.1	10.46	1636.4	256672	100.016 ng/ml
Promethazine	5.749	744635	∞	45.67	∞	351009	93.140 ng/ml
Pseudoephedrine	2.583	1566017	32225.8	17.72	20843.6	672666	100.450 ng/ml
Quetiapine	5.942	1132411	∞	61.62	∞	169940	107.647 ng/ml
Sertraline	5.836	204501	594402.7	110.03	25147.6	92524	94.677 ng/ml
Temazepam	5.800	165083	55934.8	29.22	6212.9	72503	96.666 ng/ml
Tramadol	4.344	54830	837.5	2411.0 1	∞	695195	106.974 ng/ml
Trazodone	5.954	720848	∞	136.88	∞	405732	105.748 ng/ml
Venlafaxine	5.106	1038305	148982.1	37.14	18298.1	631107	95.254 ng/ml
Xylazine	4.233	83396	407.1	130.42	807.0	136182	106.099 ng/ml
Zolpidem	5.706	1432840	∞	30.62	∞	617636	101.420 ng/ml

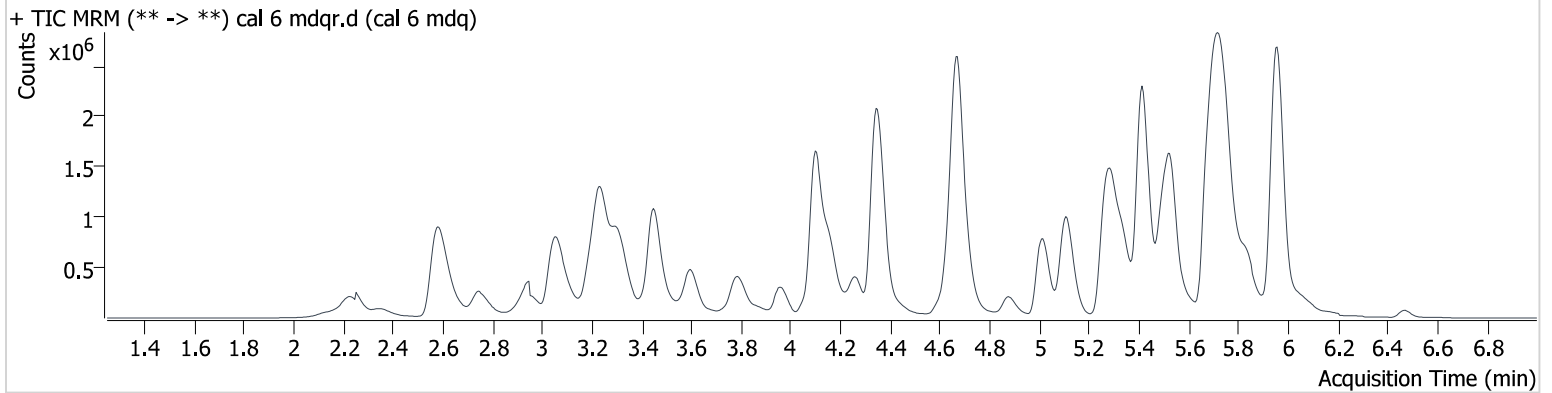
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\113023\QuantResults\mdqr.batch.bin
Calibration Last Update 12/1/2023 11:57:55 AM

Instrument 69679
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Acq. Method mdqppq 113023.m
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Injection Volume 3
Acq. Date-Time 11/30/2023 9:16:06 PM
Sample Info.

Data File cal 6 mdqr.d
Sample cal 6 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.804	30955	56290.8	131.61	270922.5	47807	20.809 ng/ml
7-aminoclonazepam	4.261	452404	218131.1	114.51	38523.1	85826	251.622 ng/ml
a-hydroxyalprazolam	5.674	22739	1287.8	62.49	1062.4	6316	223.774 ng/ml
alpha-PHP	5.499	587525	61763.6	250.17	1972834.7	212270	255.937 ng/ml
alpha-PVP	5.015	1882365	512349.2	57.09	∞	325588	258.103 ng/ml
Alprazolam	5.758	281418	5121.2	93.95	∞	40986	247.723 ng/ml
Amphetamine	3.058	1093016	22623.9	243.77	85239.8	164770	238.118 ng/ml
Benzoylcegonine	3.842	44091	∞	40.70	3076.5	5165	246.473 ng/ml
Bromazolam	5.798	148366	472.9	99.08	3707.2	23512	257.577 ng/ml
Buprenorphine	6.470	140916	9861.1	15.07	3800.8	77033	25.802 ng/ml
Bupropion	5.530	2007361	315997.0	62.01	653925.0	335592	245.947 ng/ml
Carisoprodol	5.703	166941	244553.2	87.97	∞	37787	254.104 ng/ml
Citalopram	5.302	1237817	33871.8	39.38	∞	219053	252.899 ng/ml
Clonazepam	5.591	81708	38988.7	36.25	2368.8	5570	268.208 ng/ml
Clonazolam	5.537	106300	∞	39.38	147536.4	51295	257.811 ng/ml
Cocaine	4.638	1581954	∞	45.37	48520.7	508227	240.776 ng/ml
Codeine	3.780	196669	∞	95.43	∞	61346	203.297 ng/ml
Cyclobenzaprine	5.713	1044849	168098.0	8.35	∞	131533	248.687 ng/ml
Dextromethorphan	5.341	1150620	2629035.2	73.85	∞	212856	250.193 ng/ml
Dextrorphan	4.160	1297618	100780.4	45.38	64765.8	242884	250.621 ng/ml
Diazepam	5.931	222615	11128.7	81.80	1773.8	41614	255.961 ng/ml
Dihydrocodeine	3.289	505549	1293.8	63.14	1290.9	127897	235.836 ng/ml
Diphenhydramine	5.415	5356057	∞	31.34	48035.7	916248	254.174 ng/ml
Doxylamine	4.675	4519546	305366.0	88.20	126444.4	631464	249.087 ng/ml
Duloxetine	5.665	195100	1769.2	9.54	3724.4	24621	250.463 ng/ml
EDDP	5.267	2146630	648370.5	41.35	∞	410623	248.635 ng/ml
Etizolam	5.798	51409	5726.3	382.49	3737.5	41614	259.333 ng/ml
Fentanyl	5.741	127882	42028.5	132.09	15924.1	243311	25.364 ng/ml
Fluorofentanyl	5.777	144715	14752.5	109.02	948.8	2824	20.470 ng/ml
Fluoxetine	5.722	740345	72658.5	6.75	58477.4	107309	250.783 ng/ml
Hydrocodone	3.959	774271	12121.2	36.10	5560.1	196256	267.291 ng/ml
Hydromorphone	2.749	544460	∞	80.87	1810.7	76726	243.283 ng/ml
Hydroxyzine	5.959	1739410	93524.4	110.39	68981.4	916248	227.839 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.279	1174782	85419.8	36.33	8525.5	216847	238.323 ng/ml
Lamotrigine	4.441	115517	10604.4	96.89	11184.8	164770	257.896 ng/ml
Lorazepam	5.731	19403	490.0	53.96	∞	41614	253.169 ng/ml
MDA	3.204	1251021	41529.6	30.87	∞	212270	243.134 ng/ml
MDMA	3.316	1132939	72614.3	100.48	176418.3	44998	242.789 ng/ml
Meprobamate	4.877	178128	38466.1	41.10	∞	29218	259.191 ng/ml
Methadone	5.674	2880243	403787.4	48.19	∞	424353	251.465 ng/ml
Methamphetamine	3.241	2484779	7395574639 10288.0	38.24	∞	395241	236.660 ng/ml
Metoprolol	4.358	374380	∞	97.91	42036.0	212270	265.636 ng/ml
Mirtazapine	5.734	1543569	∞	44.10	568523.8	131533	252.402 ng/ml
Mitragynine	5.755	646353	6233966.4	36.77	45158.6	612114	244.965 ng/ml
Morphine	2.355	123746	6591.5	20.21	1664.4	6782	255.492 ng/ml
Norbuprenorphine	5.119	21774	381615.6	97.36	∞	14741	24.483 ng/ml
Nordiazepam	5.879	82143	5491.0	59.41	889.6	11042	254.324 ng/ml
Norfentanyl	4.080	93328	8255.3	29.71	∞	509766	24.623 ng/ml
Norhydrocodone	3.117	164406	2522.4	45.85	1680.1	64704	262.956 ng/ml
Noroxycodone	2.947	624400	2238342385 98897.0	46.11	∞	101938	234.032 ng/ml
O-desmethyl-tramadol	3.449	3253512	381728.2	6.99	25885.1	607313	255.882 ng/ml
O-Desmethylvenlafaxine	4.104	863007	1452.0	551.75	114322.8	131581	257.589 ng/ml
Olanzapine	5.502	1004422	13586.3	49.82	27028.5	115111	233.515 ng/ml
Oxazepam	5.738	31148	1016.8	67.28	1747.6	5415	277.130 ng/ml
Oxycodone	3.595	1417984	∞	29.69	∞	239703	256.208 ng/ml
Oxymorphone	2.226	968902	∞	44.03	∞	158659	244.022 ng/ml
Phentermine	3.789	410654	∞	9.55	1318.2	210911	247.075 ng/ml
Promethazine	5.749	1389098	∞	44.62	3777915.6	253888	239.027 ng/ml
Pseudoephedrine	2.583	3548676	∞	17.28	40960.9	612114	249.820 ng/ml
Quetiapine	5.942	2040739	∞	60.34	∞	135465	244.818 ng/ml
Sertraline	5.836	360400	∞	109.61	∞	64173	239.829 ng/ml
Temazepam	5.806	301536	3662.9	29.70	751.5	51295	248.924 ng/ml
Tramadol	4.344	119723	3976.9	2466.78	12351.9	647475	251.855 ng/ml
Trazodone	5.954	1210088	90001.2	138.26	54486.6	292917	246.763 ng/ml
Venlafaxine	5.106	2377377	92933.0	36.66	∞	581395	235.031 ng/ml
Xylazine	4.233	192145	1596.5	132.47	1022.9	121861	275.715 ng/ml
Zolpidem	5.706	2794548	∞	31.28	∞	499627	244.626 ng/ml

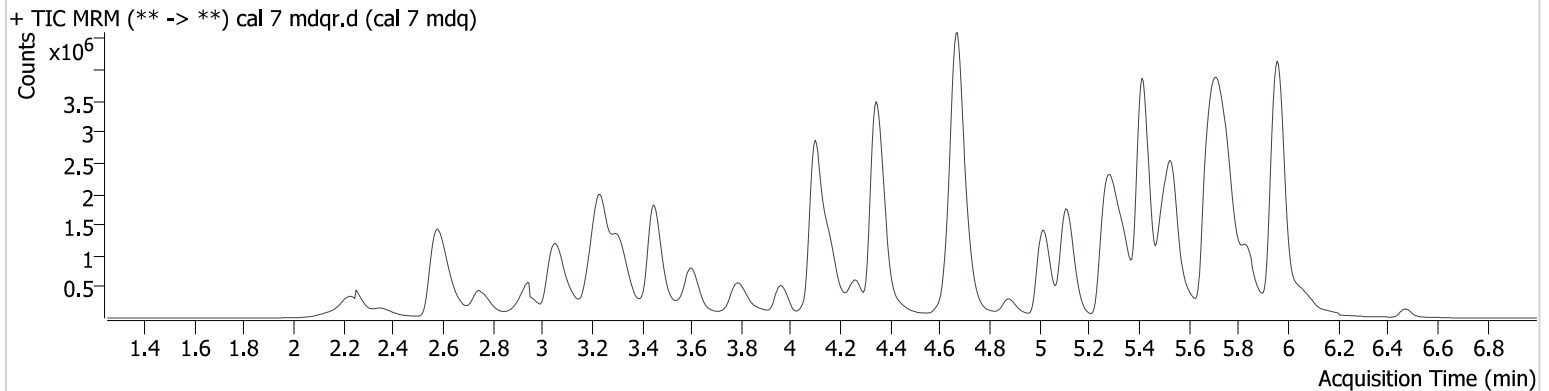
AM #28 Multi-Drug Quant. Results

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Sample Position P2-G1
Injection Volume 3
Acq. Date-Time 11/30/2023 9:24:48 PM
Sample Info.

Data File cal 7 mdqr.d
Sample cal 7 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.804	47181	364555.9	137.95	132726.7	46580	32.600 ng/ml
7-aminoclonazepam	4.266	724093	∞	115.93	64012.8	67633	510.622 ng/ml
a-hydroxyalprazolam	5.674	29492	769.5	58.39	1038.4	3556	515.628 ng/ml
alpha-PHP	5.499	986793	372556.7	249.79	542843.7	161882	562.862 ng/ml
alpha-PVP	5.015	3498374	1142690.0	56.57	93893.9	328122	476.674 ng/ml
Alprazolam	5.758	303330	∞	93.22	1961.8	21624	505.470 ng/ml
Amphetamine	3.058	1701451	231231.3	244.13	204192.7	151189	404.945 ng/ml
Benzoylcgonine	3.836	91192	236936.8	43.47	7988.4	5526	476.274 ng/ml
Bromazolam	5.803	222417	743.2	91.71	991.9	18621	487.314 ng/ml
Buprenorphine	6.470	313538	24988.2	15.23	7266.9	92438	47.832 ng/ml
Bupropion	5.536	3337256	1300527.1	63.02	117578.8	276826	496.172 ng/ml
Carisoprodol	5.703	176688	3572.1	86.63	110535.9	20343	499.986 ng/ml
Citalopram	5.302	1853207	253550.4	39.96	497292.1	172555	480.878 ng/ml
Clonazepam	5.591	166641	46952.9	36.39	29971.7	5856	521.633 ng/ml
Clonazolam	5.537	162416	77492.3	38.70	16639042.5	33787	596.856 ng/ml
Cocaine	4.638	2778803	196886.4	44.40	∞	497203	432.735 ng/ml
Codeine	3.785	307390	41133.7	96.10	∞	58860	331.678 ng/ml
Cyclobenzaprine	5.713	1294387	1179309.8	9.25	∞	84816	477.965 ng/ml
Dextromethorphan	5.341	2082891	∞	72.34	240475.5	188397	511.498 ng/ml
Dextrorphan	4.160	2272122	148972.6	45.37	∞	210434	506.521 ng/ml
Diazepam	5.925	323955	∞	84.33	3860.6	31123	498.612 ng/ml
Dihydrocodeine	3.289	778216	1192.8	64.26	2235.4	112620	413.156 ng/ml
Diphenhydramine	5.420	9032284	828126.2	30.62	338747.7	811493	484.181 ng/ml
Doxylamine	4.670	8670349	953533.6	88.30	∞	603743	499.857 ng/ml
Duloxetine	5.660	292899	2417.8	9.83	1242.1	17409	531.883 ng/ml
EDDP	5.267	4030480	∞	41.75	∞	387319	494.478 ng/ml
Etizolam	5.798	78001	∞	368.23	10368.0	31123	525.115 ng/ml
Fentanyl	5.741	184665	∞	152.08	29200.9	163692	54.447 ng/ml
Fluorofentanyl	5.782	249720	1043.2	102.40	∞	1672	59.216 ng/ml
Fluoxetine	5.722	864017	46430.9	6.66	223457.7	62727	501.047 ng/ml
Hydrocodone	3.959	1287858	1479.1	38.13	47033.7	192421	454.254 ng/ml
Hydromorphone	2.754	987677	2431.9	81.03	2999.1	63349	533.520 ng/ml
Hydroxyzine	5.964	3107590	111309.7	111.65	163969.0	811493	460.815 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.284	1769046	∞	37.11	23895.1	181627	428.759 ng/ml
Lamotrigine	4.435	194764	18048.9	101.64	22807.3	151189	474.916 ng/ml
Lorazepam	5.731	26981	5990.1	58.83	∞	31123	478.212 ng/ml
MDA	3.199	1707065	91494.7	30.42	225375.1	161882	435.562 ng/ml
MDMA	3.316	1861480	535283.4	96.97	415268.0	35198	509.941 ng/ml
Meprobamate	4.877	325189	35115.7	41.71	7124.8	29172	474.583 ng/ml
Methadone	5.674	5177768	792778.5	46.29	314700.6	372495	515.055 ng/ml
Methamphetamine	3.241	4193037	∞	38.53	∞	379577	418.637 ng/ml
Metoprolol	4.363	582495	159418.0	99.24	42614.3	161882	541.702 ng/ml
Mirtazapine	5.734	1748651	∞	47.16	27597.0	84816	444.356 ng/ml
Mitragynine	5.761	1080819	520883.0	35.12	59464.2	552603	455.034 ng/ml
Morphine	2.355	220681	∞	20.61	1701.7	6340	488.036 ng/ml
Norbuprenorphine	5.124	37421	319578.5	102.33	107187.9	12747	48.768 ng/ml
Nordiazepam	5.879	142396	15576.1	62.68	11283.4	9584	508.340 ng/ml
Norfentanyl	4.075	155783	78627.2	29.78	350674.9	472762	44.363 ng/ml
Norhydrocodone	3.122	323285	1905.8	43.63	2474.4	60541	551.273 ng/ml
Noroxycodone	2.942	1026950	63882.1	47.96	∞	82803	474.020 ng/ml
O-desmethyl-tramadol	3.449	6051937	14407668.1	6.88	89937.8	586834	492.839 ng/ml
O-Desmethylvenlafaxine	4.099	1533275	2080.2	559.01	134208.7	122071	493.267 ng/ml
Olanzapine	5.502	1579735	96542.5	56.17	29520.2	114010	371.093 ng/ml
Oxazepam	5.738	37744	9444.1	66.72	∞	4000	454.984 ng/ml
Oxycodone	3.600	2514715	∞	29.58	∞	228757	476.863 ng/ml
Oxymorphone	2.226	1713725	∞	44.18	∞	153828	445.544 ng/ml
Phentermine	3.789	615273	∞	9.38	1300.3	186132	419.972 ng/ml
Promethazine	5.754	2176488	135807.8	45.02	∞	164812	575.866 ng/ml
Pseudoephedrine	2.584	6430427	∞	17.29	∞	552603	501.224 ng/ml
Quetiapine	5.937	3575007	∞	60.46	1395140.0	130385	446.536 ng/ml
Sertraline	5.842	656975	16200.1	109.21	264386.6	53485	523.984 ng/ml
Temazepam	5.806	433158	96237.9	30.97	∞	33787	542.387 ng/ml
Tramadol	4.344	213236	1003.4	2525.77	31326.9	612726	474.709 ng/ml
Trazodone	5.959	2051087	788118.6	138.72	∞	256501	478.259 ng/ml
Venlafaxine	5.111	4639940	183810.7	36.43	409922.9	541379	491.351 ng/ml
Xylazine	4.228	344608	915.9	136.64	1437.8	120160	502.806 ng/ml
Zolpidem	5.706	4311827	∞	31.03	∞	381823	493.969 ng/ml

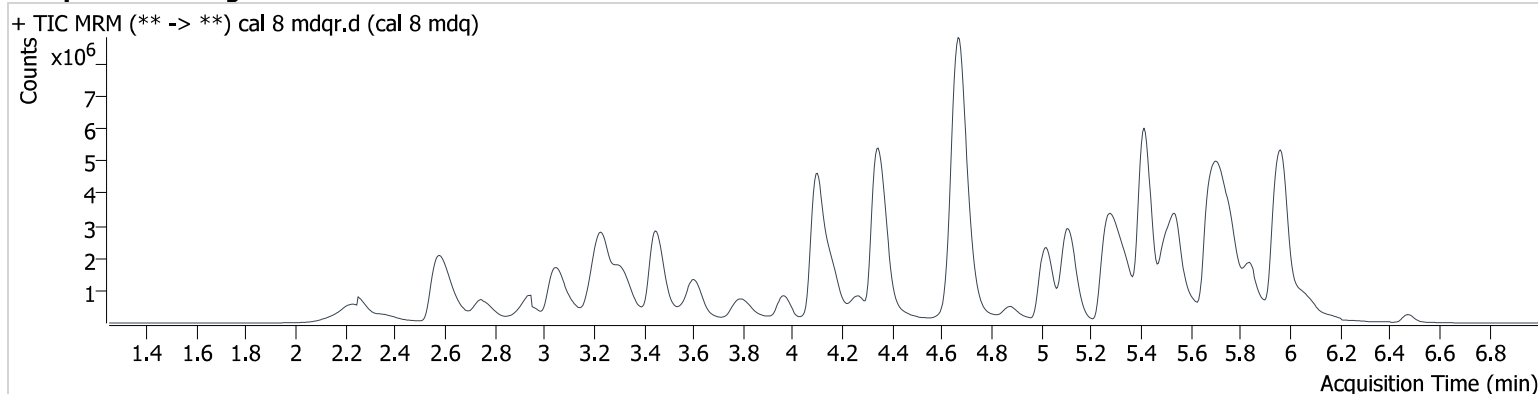
AM #28 Multi-Drug Quant. Results

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Injection Volume 3
Acq. Date-Time 11/30/2023 9:42:13 PM
Sample Info.

Data File cal 8 mdqr.d
Sample cal 8 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.810	76102	134247.4	131.09	∞	43286	56.645 ng/ml
7-aminoclonazepam	4.266	1058813	131180.8	115.20	102218.0	47112	1071.429 ng/ml
a-hydroxyalprazolam	5.668	29180	∞	60.63	1737.1	2130	851.782 ng/ml
alpha-PHP	5.504	1401854	206560.4	253.20	∞	117850	1097.729 ng/ml
alpha-PVP	5.020	6017840	2537.8	55.95	349419.7	328718	819.071 ng/ml
Alprazolam	5.758	249903	∞	91.44	∞	7937	1133.768 ng/ml
Amphetamine	3.053	2473027	237968.5	241.79	144763.9	133993	665.015 ng/ml
Benzoylcegonine	3.836	184041	794741.3	42.82	47872.7	5180	1025.207 ng/ml
Bromazolam	5.803	245548	1299.4	97.29	2380.5	9387	1066.906 ng/ml
Buprenorphine	6.475	643207	107799.5	14.88	13656.0	92010	98.569 ng/ml
Bupropion	5.546	4607222	489511.1	61.74	∞	207068	916.147 ng/ml
Carisoprodol	5.698	136231	∞	89.00	19097.4	8966	874.962 ng/ml
Citalopram	5.302	2389372	194206.4	40.54	178436.5	111593	958.949 ng/ml
Clonazepam	5.591	275858	81489.7	35.41	12156.3	6049	836.870 ng/ml
Clonazolam	5.542	185947	∞	37.04	14093.1	22992	1003.582 ng/ml
Cocaine	4.628	3913828	844804.5	45.17	1842333.9	494393	613.172 ng/ml
Codeine	3.790	503930	18143.8	83.13	40253.8	64356	497.721 ng/ml
Cyclobenzaprine	5.718	1501732	∞	9.51	∞	48120	977.642 ng/ml
Dextromethorphan	5.341	3308019	814016.2	73.46	56406.1	152899	1000.762 ng/ml
Dextrorphan	4.160	3553550	178906.9	45.52	834953.9	168123	991.571 ng/ml
Diazepam	5.925	369885	57016.1	80.30	4508.9	19313	917.940 ng/ml
Dihydrocodeine	3.289	1166237	3266.3	64.41	1338.2	96196	725.757 ng/ml
Diphenhydramine	5.415	14778192	2381137.6	31.12	926859.2	630604	1019.703 ng/ml
Doxylamine	4.670	18791397	1610767.9	91.50	∞	670354	975.762 ng/ml
Duloxetine	5.654	401275	7766.1	10.16	2345.8	13834	917.056 ng/ml
EDDP	5.262	7400565	356642.3	41.46	∞	351337	1000.464 ng/ml
Etizolam	5.804	105667	9154.6	375.49	28742.1	19313	1145.223 ng/ml
Fentanyl	5.741	210689	25709.3	161.42	28598.2	103148	98.587 ng/ml
Fluorofentanyl	5.782	376749	22044.4	102.78	17456.4	1533	97.252 ng/ml
Fluoxetine	5.722	747025	304613.8	6.85	34487.8	28496	953.931 ng/ml
Hydrocodone	3.959	2358237	∞	35.11	11945.7	187450	854.871 ng/ml
Hydromorphone	2.754	1798565	∞	76.70	3063.5	49516	1241.827 ng/ml
Hydroxyzine	5.969	4714833	211781.3	116.06	525222.7	630604	900.839 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	5.289	2075577	∞	37.15	20733.8	130966	697.869 ng/ml
Lamotrigine	4.435	326731	37802.8	92.47	25969.7	133993	900.054 ng/ml
Lorazepam	5.731	35522	121335.4	53.26	2094.1	19313	1024.378 ng/ml
MDA	3.189	2113574	169517.6	29.91	98893.9	117850	741.243 ng/ml
MDMA	3.316	2770332	278568.2	97.85	159582.9	26196	1019.689 ng/ml
Meprobamate	4.872	570298	53185.1	39.68	19434.2	25950	936.419 ng/ml
Methadone	5.669	8165332	∞	45.62	∞	324788	931.602 ng/ml
Methamphetamine	3.236	6469982	226864.1	37.72	1801405572 667260.0	347471	708.189 ng/ml
Metoprolol	4.368	736395	1304665.2	99.74	∞	117850	940.517 ng/ml
Mirtazapine	5.739	2076049	∞	46.41	∞	48120	931.208 ng/ml
Mitragynine	5.761	1686654	∞	34.75	73762.8	458905	856.415 ng/ml
Morphine	2.360	461219	10116.5	16.40	2679.6	6861	943.194 ng/ml
Norbuprenorphine	5.124	54586	154721.4	101.47	108305.8	8871	102.339 ng/ml
Nordiazepam	5.885	201928	∞	62.07	∞	6365	1085.877 ng/ml
Norfentanyl	4.070	228227	15673.9	29.74	18401.9	414822	74.111 ng/ml
Norhydrocodone	3.117	525999	4987.6	46.54	2039.0	52043	1042.297 ng/ml
Noroxycodone	2.942	1811294	58123.4	44.60	∞	71262	971.622 ng/ml
O-desmethyl-tramadol	3.449	10339532	998925.7	6.84	40020.6	554643	891.091 ng/ml
O-Desmethylvenlafaxine	4.099	2537545	48855.5	566.19	291679.9	106415	936.412 ng/ml
Olanzapine	5.502	3394012	∞	50.39	83220.7	155419	585.132 ng/ml
Oxazepam	5.738	55669	249344.2	65.16	51478.7	2420	1110.152 ng/ml
Oxycodone	3.600	4560974	∞	30.99	∞	238206	831.235 ng/ml
Oxymorphone	2.226	3399542	∞	43.95	∞	192585	706.232 ng/ml
Phentermine	3.773	809161	∞	9.45	∞	165917	619.953 ng/ml
Promethazine	5.754	2514238	∞	43.46	∞	101253	1082.144 ng/ml
Pseudoephedrine	2.578	10743335	∞	16.96	∞	458905	1008.156 ng/ml
Quetiapine	5.937	6075406	∞	58.89	2421399.4	117208	845.190 ng/ml
Sertraline	5.842	1157493	∞	107.14	5945884.8	45528	1084.011 ng/ml
Temazepam	5.806	536045	186937.0	31.51	50545.9	22992	986.054 ng/ml
Tramadol	4.344	348614	22548.1	2643.3 3	14552.6	564046	843.679 ng/ml
Trazodone	5.959	2754919	141070.8	137.87	∞	179624	917.907 ng/ml
Venlafaxine	5.106	8599295	677725.6	34.56	296243.4	477623	1030.916 ng/ml
Xylazine	4.223	574926	3023.4	139.43	1049.4	105035	961.110 ng/ml
Zolpidem	5.709	6341985	2432795.6	30.73	∞	265019	1046.844 ng/ml

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP Dev QUAL-23-02

Date of Request: 8/8/23

Requestor/Discipline: Anne Nord / Quality manual

Analytical Method/Quality Standard, Revision #: Quality manual Revision 9
16.2.5c.2.6 Training in the use and understanding of analytical methods shall include the analysis of training samples. The trainee may, under the direct observation of a competent analyst, handle case samples, but the trainer will make all conclusions and must be present and observe all aspects of the work (the trainee works as the hands of the trainer). All evidence in the “hands of the trainer” process will be checked out by the trainer and the chain of custody shall be maintained in the name of the trainer/trained analyst. Probative samples may be independently handled by the trainee if the evidence can be analyzed without changing it (e.g. comparison of latent prints or bullets). Examination reports shall be based solely on examinations performed by or directly observed by approved analysts. The report will be issued by the trainer/trained analyst. **The analytical notes will clearly indicate the samples handled by the trainee.** In the case of controlled substances, if an additional training sample is taken it will be stored in a secure locked location (either a drug locker or the controlled substance cabinet)

Temporary or Permanent Deviation: Permanent until the next version of the quality manual is released and analytical notes can be defined.

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Documentation for hands of the trainer, in case records.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

The quality manual currently requires that documentation that the trainee handled samples will be in the “analytical notes” the manual does not further define what is meant by analytical notes. I am requesting to document this in the case notes that are attached in ILIMS or if there is batch data associated with the analysis it may be documented in the central batch data.

Technical Justification for Analytical Method Deviations: The batch data and the notes packet are both part of the case record. They both provide a path to clear documentation of what the trainee handled or did.



Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver:
Title:

Date:

Quality Review

Quality Approver: Corinna Owsley
Title: Acting Quality Manager
Date: 8-8-23