











REVIEWED
By Sarah Collins at 12:39 pm, Sep 18, 2023

Worklist: 6496

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-1941	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1945	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1946	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2023-1953	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1960	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1978	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2000	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2016	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2045	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2096	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 9-14-23 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: 23C57106 **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: 390993**
- 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: The 100 QC at the end of the run was not checked on the instrument worklist, when I noticed it had not run the instrument had started running blanks for am 27, I stopped the run added some blanks and injections to allow the instrument to equilibrate and injected the 100 QC.

Bupropion 5-500 cal 8 dropped due to accuracy

Clonazepam evaluated qualitatively due to poor peak shape (tailing) internal standard

Codeine 2-250 cal 7 and 8 dropped due to accuracy

Clonazolam 10-1000 poor response for qualifier ion in cal 1 ratio out.

Duloxetine 10-1000 poor responses on cal 1 ratio out

Fluoxetine 10-1000 low response on cal 1 ratio out

Hydrocodone 5-500 cal 8 dropped due to accuracy

Ketamine 5-500 cal 8 dropped due to accuracy

Lorazepam 25-100 cal 1 and 2 dropped due to poor response ratios out.

MDA 5-500 cal 8 dropped due to accuracy

Meprobamate 5-500 cal 8 dropped due to accuracy

Methamphetamine 5-250 cal 7 and 8 dropped due to accuracy

Mirtazapine 5-500 cal 8 dropped due to accuracy



Morphine 5-500 cal 8 dropped due to accuracy
Norfentanyl 0.5-50 cal 8 dropped due to accuracy
Noroxycodone 5-500 cal 8 dropped due to accuracy
Olanzapine not evaluated poor peak shape, inconsistent integration of tails
Oxazepam not evaluated ratio of 50 ng cal out
Phentermine 5-500 cal 8 dropped due accuracy
Quetiapine 5-500 cal 8 dropped due to accuracy
Trazodone 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	1953-2	1946-1								
B	IS + Cal. 2	IS + QC_2	1960-1									
C	IS + Cal. 3	IS + QC 3	1978-1									
D	IS + Cal. 4	IS + QC_4	2000-1									
E	IS + Cal. 5	IS + QC_2	2016-1									
F	IS + Cal. 6	Negative blood	2045-1									
G	IS + Cal. 7	1941-1	2096-1									
H	IS + Cal. 8	1945-1	negative urine									

blank in front

plate position 2

c2023-____-__

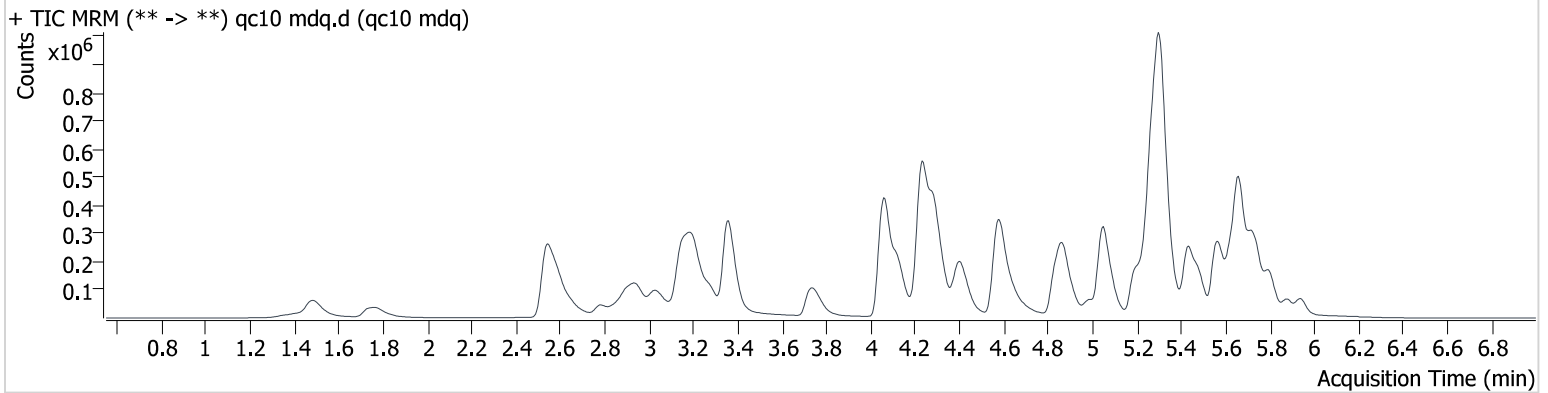
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-A2
Injection Volume 3
Acq. Date-Time 9/14/2023 11:49:56 AM
Sample Info.

Data File qc10 mdq.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	3.224	2875	6074.4	132.28	∞	84919	0.951 ng/ml
7-aminoclonazepam	4.257	16449	40004.0	113.20	4605.9	74694	10.629 ng/ml
a-hydroxyalprazolam	5.667	2151	∞	67.10	4662.6	11044	10.362 ng/ml
alpha-PHP	4.988	44768	2406.4	251.68	4954.2	557534	10.996 ng/ml
alpha-PVP	4.418	131813	25977.8	57.43	5346.6	557534	10.102 ng/ml
Alprazolam	5.756	37740	29333.0	90.68	1096.5	142955	10.246 ng/ml
Amphetamine	3.030	73739	3202.9	249.88	3795.7	234786	9.851 ng/ml
Benzoylcegonine	3.827	2714	262.3	41.10	257.9	9417	10.709 ng/ml
Bromazolam	5.796	16738	147.7	82.87	88.3	68828	10.616 ng/ml
Buprenorphine	5.894	7596	2343.4	14.81	136.2	103620	1.068 ng/ml
Bupropion	4.865	139015	∞	70.82	2978.9	612693	10.712 ng/ml
Carisoprodol	5.712	38764	5877598.9	68.36	2900.6	132802	10.399 ng/ml
Citalopram	5.244	113209	16615.8	36.06	189070.3	482050	11.053 ng/ml
Clonazolam	5.530	6302	3839.7	44.05	492.2	17974	10.478 ng/ml
Cocaine	4.292	136353	2394.7	43.20	7231.4	956427	10.549 ng/ml
Codeine	2.854	17316	8032.3	93.38	1229.9	94846	10.510 ng/ml
Cyclobenzaprine	5.638	104910	6259.3	9.61	124.6	328898	10.367 ng/ml
Dextromethorphan	5.287	78334	54521.7	74.83	∞	370248	10.378 ng/ml
Dextrorphan	4.131	98805	4274.1	45.65	16823.3	465360	10.090 ng/ml
Diazepam	5.944	25307	∞	94.10	∞	114310	9.623 ng/ml
Dihydrocodeine	2.650	47495	783.5	63.57	645.1	236625	10.124 ng/ml
Diphenhydramine	5.314	382311	6013.9	33.04	2589.6	1747951	10.398 ng/ml
Doxylamine	4.590	361770	59317.2	91.30	∞	1122283	10.205 ng/ml
Duloxetine	5.663	10830	159.0	9.38	390.3	34156	11.026 ng/ml
EDDP	5.266	120674	9872.6	43.63	1381.8	589170	10.144 ng/ml
Etizolam	5.797	4700	1644.9	389.73	2396.3	142955	9.613 ng/ml
Fentanyl	5.207	12188	10263.0	142.04	635.7	580008	1.040 ng/ml
Fluorofentanyl	5.269	9399	3557.8	108.66	686.7	4970	1.067 ng/ml
Fluoxetine	5.720	80424	1621.6	5.92	∞	274195	9.940 ng/ml
Hydrocodone	3.190	38358	1909.5	42.22	491.9	249831	9.714 ng/ml
Hydromorphone	1.779	44701	1714.5	71.52	567.4	145671	10.529 ng/ml
Hydroxyzine	5.729	127942	31206.1	119.88	82109.2	99936	10.263 ng/ml
Ketamine	4.234	88366	∞	37.17	1911.8	316663	10.922 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.345	7931	728.3	103.35	513.7	234786	9.343 ng/ml
Lorazepam	5.735	2719	119.5	28.57 Low	10.6	17856	4.512 ng/ml
MDA	3.181	90393	2469.6	32.22	∞	368162	10.399 ng/ml
MDMA	3.283	96231	12941.2	100.66	6170.8	99936	9.618 ng/ml
Meprobamate	4.876	8019	946.5	46.82	1885.2	29542	11.067 ng/ml
Methadone	5.668	224362	18674.4	52.81	7542.8	880985	9.548 ng/ml
Methamphetamine	3.208	316011	3261.3	38.00	5796.1	662826	11.926 ng/ml
Metoprolol	4.324	35860	4360.0	101.43	∞	368162	9.275 ng/ml
Mirtazapine	4.874	191775	5839.2	49.90	∞	99936	10.025 ng/ml
Mitragynine	5.331	51290	15774.3	28.08	∞	1050150	11.162 ng/ml
Morphine	1.407	9094	∞	18.96	∞	12012	10.281 ng/ml
Norbuprenorphine	5.015	1663	173.3	102.66	532.6	22926	1.039 ng/ml
Nordiazepam	5.893	5449	12365.3	65.40	352.2	17974	9.634 ng/ml
Norfentanyl	4.076	6062	404.2	30.29	139.4	771194	0.984 ng/ml
Norhydrocodone	3.058	7586	∞	23.66	∞	91190	8.401 ng/ml
Noroxycodone	2.904	30090	∞	52.61	1500.8	104955	9.497 ng/ml
O-desmethyl-tramadol	3.364	243611	7862.9	7.07	2005.9	1027527	10.084 ng/ml
O-Desmethylvenlafaxine	4.069	70845	793.3	533.23	2916.3	247556	10.207 ng/ml
Oxycodone	2.949	83253	1253.0	30.25	1137.5	309841	9.444 ng/ml
Oxymorphone	1.500	72063	∞	43.29	∞	278709	9.913 ng/ml
Phentermine	3.770	33045	386.8	10.94	793.7	408655	10.134 ng/ml
Promethazine	5.564	125082	3023.9	42.59	2291.7	635321	9.934 ng/ml
Pseudoephedrine	2.556	257270	∞	16.98	∞	1050150	10.349 ng/ml
Quetiapine	5.629	185645	56884.7	60.56	24864.9	272129	10.817 ng/ml
Sertraline	5.798	14691	1911.7	113.81	1760.5	66725	10.481 ng/ml
Temazepam	5.809	29361	550.9	32.07	178.5	133073	10.055 ng/ml
Tramadol	4.243	244857	∞	4.30	∞	1199389	9.762 ng/ml
Trazodone	5.478	133317	2653.3	139.27	14747.7	706117	10.580 ng/ml
Venlafaxine	5.054	187398	2106.7	36.90	∞	996240	10.536 ng/ml
Xylazine	4.081	12915	59.3	142.56	228.5	232644	9.472 ng/ml
Zolpidem	5.297	244724	∞	32.79	∞	1096493	9.552 ng/ml

AM #28 Multi-Drug Quant. Results

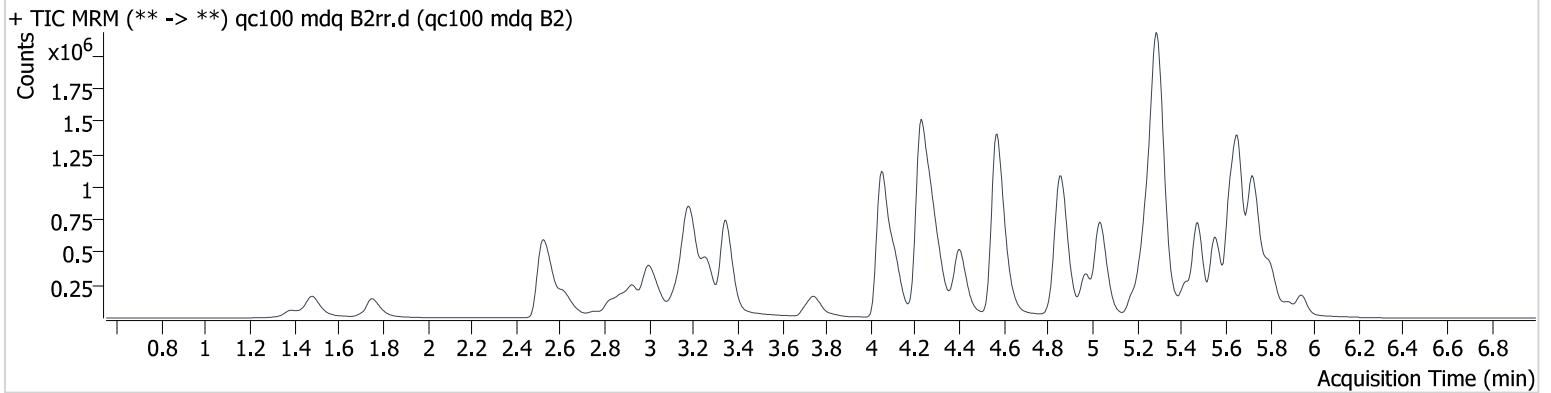
Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-B2
Injection Volume 3
Acq. Date-Time 9/14/2023 3:26:29 PM
Sample Info.

Data File qc100 mdq B2rr.d
Sample qc100 mdq B2
Operator Anne Nord
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.209	17713	34240.8	143.09	58312.6	47124	9.851 ng/ml
7-aminoclonazepam	4.252	111791	75149.0	112.70	15006.2	49789	108.584 ng/ml
a-hydroxyalprazolam	5.678	12816	∞	61.05	∞	7088	92.118 ng/ml
alpha-PHP	4.973	301413	21907.7	262.80	122999.4	402136	102.308 ng/ml
alpha-PVP	4.403	952714	917675.7	55.60	6887.4	402136	101.067 ng/ml
Alprazolam	5.762	261739	4353.8	87.01	∞	93862	104.284 ng/ml
Amphetamine	3.004	446204	20783.4	274.42	13214.4	135874	109.666 ng/ml
Benzoylcegonine	3.832	21576	2277.3	42.10	615.8	8190	95.956 ng/ml
Bromazolam	5.802	100286	7339.9	99.80	∞	43721	96.611 ng/ml
Buprenorphine	5.894	46838	4526.1	14.69	3103.6	66712	10.441 ng/ml
Bupropion	4.849	951287	∞	69.90	379055.1	415196	111.822 ng/ml
Carisoprodol	5.707	234904	6277124.9	65.42	10174.8	83968	101.032 ng/ml
Citalopram	5.228	744957	51712.9	39.84	∞	329301	104.957 ng/ml
Clonazolam	5.530	47851	9408.5	36.16	2544.8	12927	93.095 ng/ml
Cocaine	4.277	934388	∞	44.30	79409.2	677351	102.330 ng/ml
Codeine	2.823	119603	37336.9	90.97	21605.1	67786	106.858 ng/ml
Cyclobenzaprine	5.628	742988	152346.4	10.28	5640.6	233024	103.516 ng/ml
Dextromethorphan	5.267	497337	37822.5	75.78	55021.0	240262	98.712 ng/ml
Dextrorphan	4.110	678939	227051.2	45.34	∞	320067	96.388 ng/ml
Diazepam	5.944	196183	12823.5	85.86	4203.3	83921	102.547 ng/ml
Dihydrocodeine	2.619	340003	539.9	63.17	405.6	168748	100.622 ng/ml
Diphenhydramine	5.304	2451505	50122.1	32.55	∞	1101079	99.163 ng/ml
Doxylamine	4.569	2666389	280471.2	95.92	517325.3	790269	106.989 ng/ml
Duloxetine	5.658	92481	1124.6	8.38	325.9	30110	92.508 ng/ml
EDDP	5.256	751353	1767106.0	43.59	140464.2	374408	98.026 ng/ml
Etizolam	5.807	34749	2618.4	388.89	249875.7	93862	104.142 ng/ml
Fentanyl	5.197	92088	∞	134.71	41656.9	442955	10.456 ng/ml
Fluorofentanyl	5.259	67228	45974.2	102.68	4359.3	3566	11.048 ng/ml
Fluoxetine	5.715	587177	857992.8	6.62	73400.9	222363	98.520 ng/ml
Hydrocodone	3.170	262604	4703.5	41.23	1870.8	174836	102.864 ng/ml
Hydromorphone	1.754	318325	1315.7	73.05	797.3	113879	97.855 ng/ml
Hydroxyzine	5.724	945371	400368.8	111.14	418860.6	68332	115.184 ng/ml
Ketamine	4.219	567421	164423.9	38.34	29432.5	219329	110.674 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.340	55050	2959.7	96.54	∞	135874	115.657 ng/ml
Lorazepam	5.740	17618	13776.6	37.22	115.5	12264	97.304 ng/ml
MDA	3.156	499019	4239.3	32.96	∞	226006	100.967 ng/ml
MDMA	3.262	704111	81134.5	95.97	159865.4	68332	101.377 ng/ml
Meprobamate	4.876	46328	8554.6	44.39	1014.3	17738	111.271 ng/ml
Methadone	5.663	1670859	74577.2	49.04	30470.2	618918	100.123 ng/ml
Methamphetamine	3.187	1427574	20337.1	37.95	4508.1	503494	99.084 ng/ml
Metoprolol	4.308	233263	1637475.1	100.17	∞	226006	92.750 ng/ml
Mirtazapine	4.859	1286524	300835.9	51.22	167838.6	68332	103.923 ng/ml
Mitragynine	5.320	337653	∞	29.48	301232.0	787386	97.209 ng/ml
Morphine	1.382	71112	51013.7	19.10	∞	10046	96.933 ng/ml
Norbuprenorphine	5.000	9344	1386.7	105.75	3344.7	14723	11.022 ng/ml
Nordiazepam	5.888	43215	33619.1	59.89	1784.4	12927	106.488 ng/ml
Norfentanyl	4.066	43072	1039.3	30.48	782.7	523013	11.162 ng/ml
Norhydrocodone	3.043	73760	3267218352 03566.0	26.64	4674727337 040.2	77028	95.147 ng/ml
Noroxycodone	2.879	207772	∞	49.68	6259432089 547.1	67409	96.449 ng/ml
O-desmethyl-tramadol	3.349	1809721	153609.1	7.09	44585.7	744343	103.390 ng/ml
O-Desmethylvenlafaxine	4.054	499715	15102.2	522.28	39313.8	174569	105.279 ng/ml
Oxycodone	2.929	630059	29604.2	28.84	6950.1	217045	99.003 ng/ml
Oxymorphone	1.485	506358	∞	42.74	∞	195031	98.351 ng/ml
Phentermine	3.749	224083	10916.3	9.87	1228.2	294428	101.185 ng/ml
Promethazine	5.554	977710	7521697.3	39.61	11957.1	471579	101.415 ng/ml
Pseudoephedrine	2.526	1847686	∞	17.35	∞	787386	100.624 ng/ml
Quetiapine	5.619	1220694	963034.9	62.48	572027.1	193056	107.348 ng/ml
Sertraline	5.788	124701	47939.2	97.81	13695.8	55973	100.843 ng/ml
Temazepam	5.809	186278	10978.1	30.77	746.8	83653	97.673 ng/ml
Tramadol	4.233	1741703	∞	4.06	7086.4	864129	106.604 ng/ml
Trazodone	5.472	904583	57648.1	146.79	332549.1	543428	101.691 ng/ml
Venlafaxine	5.039	1390115	61860.1	36.11	20545.0	695549	101.483 ng/ml
Xylazine	4.066	99552	646.4	137.05	1632.0	173207	105.712 ng/ml
Zolpidem	5.286	1704590	∞	32.24	∞	712594	97.837 ng/ml

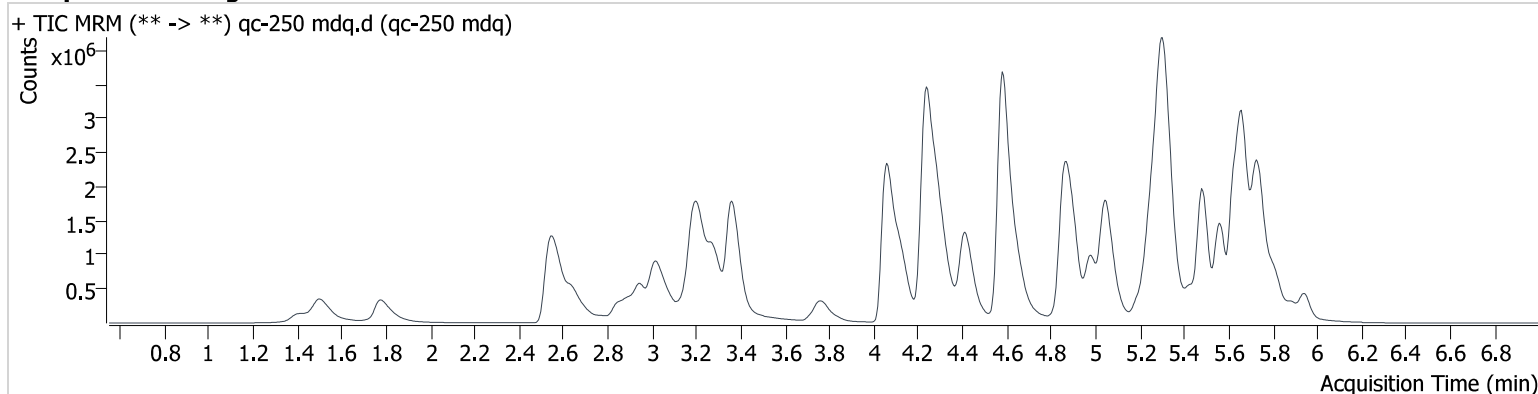
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-C2
Injection Volume 3
Acq. Date-Time 9/14/2023 11:58:39 AM
Sample Info.

Data File qc-250 mdq.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	3.229	37721	204887.7	148.42	1298729969 46756.0	39811	24.726 ng/ml
7-aminoclonazepam	4.257	211798	19371.1	111.64	362345.5	40660	251.942 ng/ml
a-hydroxyalprazolam	5.683	34343	4139.4	57.97	960.2	7374	236.524 ng/ml
alpha-PHP	4.983	939612	72807.9	254.54	31405.9	492659	260.268 ng/ml
alpha-PVP	4.413	2947656	212311.1	55.80	324778.4	492659	255.213 ng/ml
Alprazolam	5.762	639649	21409.4	87.31	61611.3	101780	234.512 ng/ml
Amphetamine	3.020	1098758	176474.6	241.21	∞	150538	244.604 ng/ml
Benzoylcegonine	3.832	68598	9494.2	40.76	9269.3	9644	258.664 ng/ml
Bromazolam	5.802	248508	∞	90.55	∞	40837	255.618 ng/ml
Buprenorphine	5.899	140484	11088.6	15.37	1986.9	85448	24.483 ng/ml
Bupropion	4.860	2740476	∞	68.06	20111.4	546984	244.999 ng/ml
Carisoprodol	5.707	565598	∞	63.54	378875.9	84595	241.684 ng/ml
Citalopram	5.233	1822514	168686.9	40.95	108880.8	329333	256.496 ng/ml
Clonazolam	5.530	157701	17725.3	37.39	6435.8	16001	244.815 ng/ml
Cocaine	4.287	2745367	113489.1	42.41	54810.4	787852	258.538 ng/ml
Codeine	2.849	304764	28738.2	93.74	∞	87141	212.409 ng/ml
Cyclobenzaprine	5.633	1776432	∞	10.38	65591.7	218217	264.274 ng/ml
Dextromethorphan	5.277	1159049	1957798.5	75.83	522383.7	222956	247.421 ng/ml
Dextrorphan	4.126	1883220	16729.3	46.43	166242.9	351096	242.978 ng/ml
Diazepam	5.944	563544	6863.9	84.64	∞	94007	263.122 ng/ml
Dihydrocodeine	2.645	1014092	13306.3	64.26	2477.6	198908	254.441 ng/ml
Diphenhydramine	5.314	5874119	∞	32.07	663642.0	1031292	252.551 ng/ml
Doxylamine	4.580	8745034	396913.6	94.27	130669.0	1117064	248.265 ng/ml
Duloxetine	5.663	175013	378.8	8.92	295.9	20417	255.225 ng/ml
EDDP	5.261	2485208	291674.5	42.33	12749998.8	477440	254.016 ng/ml
Etizolam	5.802	90025	40519.5	381.92	40122.7	101780	248.259 ng/ml
Fentanyl	5.202	288826	9596.1	139.03	528042.8	570066	25.510 ng/ml
Fluorofentanyl	5.259	142279	41191.3	104.37	5622.5	3365	24.834 ng/ml
Fluoxetine	5.720	1159580	27808.9	6.79	∞	170677	255.256 ng/ml
Hydrocodone	3.185	676577	42577.5	41.80	3270.2	203112	229.211 ng/ml
Hydromorphone	1.779	985891	2167.2	69.13	276.9	143705	240.514 ng/ml
Hydroxyzine	5.729	2171641	1137548.4	112.44	2006864.6	73256	247.306 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.224	1351864	∞	38.55	16106.8	253173	229.641 ng/ml
Lamotrigine	4.350	135393	125193.0	93.85	13214.3	150538	257.140 ng/ml
Lorazepam	5.735	47858	2147.3	38.44	∞	12861	262.384 ng/ml
MDA	3.166	888805	∞	33.46	∞	189868	215.105 ng/ml
MDMA	3.283	1899502	∞	96.94	543305.8	73256	254.862 ng/ml
Meprobamate	4.881	115319	21110.0	42.36	11000.5	20722	237.714 ng/ml
Methadone	5.663	4680262	∞	48.18	167813.1	710577	244.117 ng/ml
Methamphetamine	3.203	3908558	49486.1	37.47	343032.5	628258	224.206 ng/ml
Metoprolol	4.319	550193	105290.7	99.60	∞	189868	259.362 ng/ml
Mirtazapine	4.869	3273943	133463.4	50.59	142157.8	73256	247.553 ng/ml
Mitragynine	5.331	953872	∞	31.01	∞	923661	233.955 ng/ml
Morphine	1.407	204577	∞	18.89	∞	11593	241.779 ng/ml
Norbuprenorphine	5.005	24681	3795.9	97.30	1054.7	16168	26.860 ng/ml
Nordiazepam	5.888	123716	15444.3	61.73	34003.4	16001	246.312 ng/ml
Norfentanyl	4.076	82983	7369.7	30.56	2231.8	514691	21.938 ng/ml
Norhydrocodone	3.063	234088	∞	28.61	∞	97893	237.379 ng/ml
Noroxycodone	2.894	530073	∞	48.54	1242.3	68042	242.886 ng/ml
O-desmethyl-tramadol	3.365	5680988	273952.3	6.88	33645.7	974385	247.928 ng/ml
O-Desmethylvenlafaxine	4.059	1288354	1249.6	521.96	47469.0	190808	248.808 ng/ml
Oxycodone	2.949	1874091	63429.3	28.87	31465.1	253042	252.110 ng/ml
Oxymorphone	1.500	1447447	∞	42.52	∞	221666	247.160 ng/ml
Phentermine	3.765	594838	∞	9.40	1160569.4	346757	228.929 ng/ml
Promethazine	5.564	2751653	347158.4	40.12	45717.6	549234	244.591 ng/ml
Pseudoephedrine	2.551	5451822	∞	17.53	∞	923661	253.364 ng/ml
Quetiapine	5.624	3026668	640952.2	60.21	435499.7	209937	245.861 ng/ml
Sertraline	5.793	234812	71632.6	96.23	17724.5	41277	256.606 ng/ml
Temazepam	5.809	451208	125598.1	32.61	7104.7	79326	248.845 ng/ml
Tramadol	4.238	5020893	∞	3.92	421349.4	1028707	259.786 ng/ml
Trazodone	5.478	2587564	∞	145.48	2390460.0	692125	229.733 ng/ml
Venlafaxine	5.049	4294897	183896.8	36.25	169571.7	891526	243.085 ng/ml
Xylazine	4.076	289434	2158.2	138.99	2559.6	206884	258.485 ng/ml
Zolpidem	5.291	4697400	149865.0	31.52	7400679.8	820619	233.471 ng/ml

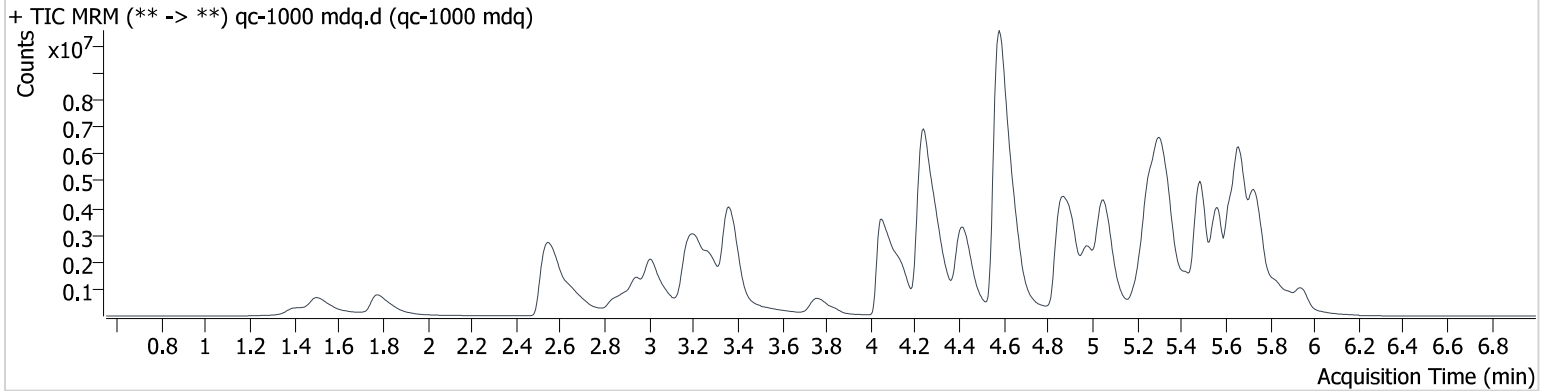
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-D2
Injection Volume 3
Acq. Date-Time 9/14/2023 12:07:21 PM
Sample Info.

Data File qc-1000 mdq.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	3.229	56060	139996.0	141.37	322572.4	13151	110.997 ng/ml
7-aminoclonazepam	4.257	226708	9810.7	106.79	13997.6	11939	918.468 ng/ml
a-hydroxyalprazolam	5.688	66756	10886.1	53.58	513.0	3175	1065.994 ng/ml
alpha-PHP	4.983	2652318	148788.5	258.55	362034.7	406636	890.001 ng/ml
alpha-PVP	4.413	9037297	183450.0	54.86	1213926.5	406636	947.945 ng/ml
Alprazolam	5.762	1184444	∞	88.87	∞	42197	1045.993 ng/ml
Amphetamine	3.014	2275342	199157.2	245.40	10812.7	79617	959.795 ng/ml
Benzoylcegonine	3.837	286334	29079.7	42.48	16016.6	9902	1050.875 ng/ml
Bromazolam	5.802	428369	∞	109.08	∞	20918	859.221 ng/ml
Buprenorphine	5.899	451153	29654.7	16.46	32975.7	70051	95.979 ng/ml
Bupropion	4.849	5973383	∞	66.15	133264.9	439496	665.313 ng/ml
Carisoprodol	5.701	766634	∞	64.14	135781.8	30801	900.165 ng/ml
Citalopram	5.228	3555372	∞	41.40	∞	170203	967.711 ng/ml
Clonazolam	5.530	406456	33764.7	36.50	29016.9	10283	976.343 ng/ml
Cocaine	4.287	6542147	1939771.1	42.88	2273455.3	468224	1036.748 ng/ml
Codeine	2.844	703707	98030.9	92.77	21993.3	72645	589.406 ng/ml
Cyclobenzaprine	5.628	3046000	120058.2	10.55	1188403.3	102802	961.846 ng/ml
Dextromethorphan	5.267	2037458	112306.4	73.91	436875.5	95609	1013.245 ng/ml
Dextrophan	4.136	4656268	305445.0	45.85	263741.6	214165	983.374 ng/ml
Diazepam	5.944	1513981	∞	83.94	24638.2	63468	1047.310 ng/ml
Dihydrocodeine	2.645	2715546	17723.5	64.90	7814.0	136338	993.713 ng/ml
Diphenhydramine	5.335	10371714	∞	31.14	159600.8	443949	1033.611 ng/ml
Doxylamine	4.580	30484935	915740.9	95.34	∞	998647	968.120 ng/ml
Duloxetine	5.674	197790	100.6	8.24	18.4	6171	949.835 ng/ml
EDDP	5.261	11093997	∞	42.07	511458.0	517999	1044.665 ng/ml
Etizolam	5.802	179166	175977.4	417.95	∞	42197	1190.222 ng/ml
Fentanyl	5.202	971927	78592.3	144.79	90664.1	548163	89.320 ng/ml
Fluorofentanyl	5.253	169489	178771.7	100.15	76929.3	916	108.850 ng/ml
Fluoxetine	5.715	1972553	∞	6.89	168142.7	74012	1004.627 ng/ml
Hydrocodone	3.180	1426101	∞	40.52	∞	157978	622.695 ng/ml
Hydromorphone	1.779	2887562	∞	75.35	∞	121081	836.659 ng/ml
Hydroxyzine	5.729	4698020	1589515.1	113.52	2495362.1	44211	887.621 ng/ml
Ketamine	4.214	2166820	196896.1	39.57	59062.8	158146	591.032 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.356	219813	28592.7	95.06	19490.8	79617	790.021 ng/ml
Lorazepam	5.735	119177	13545.0	43.35	∞	8035	1065.210 ng/ml
MDA	3.151	1338924	100889.1	29.60	10344.5	86091	716.811 ng/ml
MDMA	3.278	4259413	306916.4	94.13	256344.9	44211	946.523 ng/ml
Meprobamate	4.876	154724	43233.2	41.62	6515.7	9771	677.404 ng/ml
Methadone	5.663	13288223	108491.8	45.47	7961068.1	503286	978.224 ng/ml
Methamphetamine	3.208	7907469	189794.4	37.93	115146.8	545502	529.979 ng/ml
Metoprolol	4.319	875534	∞	98.10	∞	86091	908.793 ng/ml
Mirtazapine	4.864	5877347	∞	51.31	71390.4	44211	737.612 ng/ml
Mitragynine	5.336	2576295	∞	32.59	6803355.7	642669	907.865 ng/ml
Morphine	1.402	550060	∞	19.97	∞	10395	725.201 ng/ml
Norbuprenorphine	5.005	38839	2478.2	107.36	17029.6	6433	106.968 ng/ml
Nordiazepam	5.888	311503	9759.0	61.83	∞	10283	965.130 ng/ml
Norfentanyl	4.081	105296	15962.0	29.67	1783.6	230913	62.213 ng/ml
Norhydrocodone	3.058	575058	∞	30.13	∞	65067	876.943 ng/ml
Noroxycodone	2.889	1077460	1548.4	46.46	∞	50336	666.363 ng/ml
O-desmethyl-tramadol	3.364	17213132	653790.6	6.57	78248.0	765585	956.083 ng/ml
O-Desmethylvenlafaxine	4.048	2341303	977.2	516.55	∞	93095	927.697 ng/ml
Oxycodone	2.944	5994653	∞	28.50	73746.6	201399	1012.276 ng/ml
Oxymorphone	1.500	3443972	∞	42.62	∞	130507	998.450 ng/ml
Phentermine	3.765	1527936	∞	8.64	3529.0	275879	740.657 ng/ml
Promethazine	5.564	9050062	∞	37.99	523712.4	418275	1055.205 ng/ml
Pseudoephedrine	2.546	14567736	∞	16.53	∞	642669	973.513 ng/ml
Quetiapine	5.619	5352804	∞	59.92	324826.5	127308	718.681 ng/ml
Sertraline	5.788	315913	29060.3	102.65	24185.6	14536	978.730 ng/ml
Temazepam	5.814	956325	59078.1	32.29	9423.8	38936	1073.140 ng/ml
Tramadol	4.238	11921728	∞	3.84	∞	638446	997.151 ng/ml
Trazodone	5.483	6485636	1063788.3	151.99	19958550.3	590749	676.716 ng/ml
Venlafaxine	5.049	12857225	259833.4	34.87	56812.9	620202	1042.460 ng/ml
Xylazine	4.076	836853	3369.5	132.66	7958.7	156473	990.453 ng/ml
Zolpidem	5.302	8566735	564344.2	31.76	∞	325318	1072.367 ng/ml

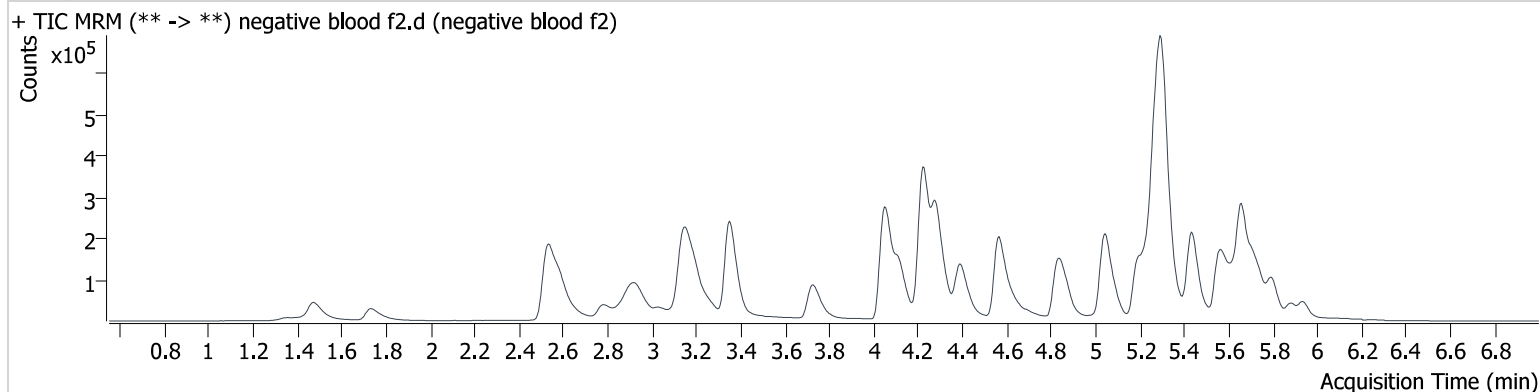
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 72723.m
Sample Position P2-F2
Injection Volume 3
Acq. Date-Time 9/14/2023 12:33:28 PM
Sample Info.

Data File negative blood f2.d
Sample negative blood f2
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



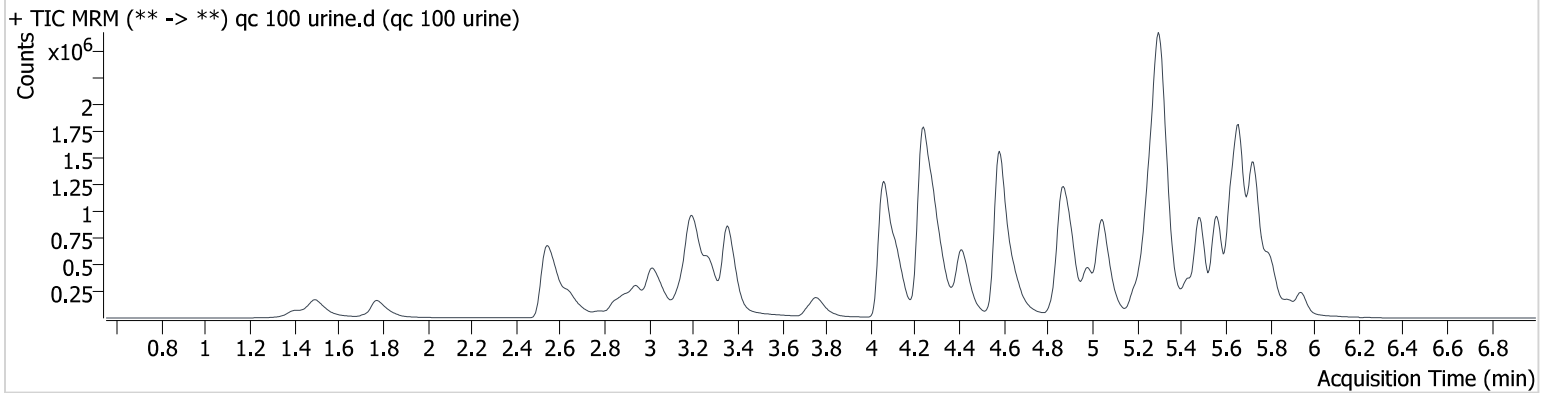
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 72723.m
Sample Position P2-E2
Injection Volume 3
Acq. Date-Time 9/14/2023 12:24:45 PM
Sample Info.

Data File qc 100 urine.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	3.224	19653	∞	137.90	∞	56616	9.103 ng/ml
7-aminoclonazepam	4.252	149108	14216.2	111.49	54467.6	68714	104.941 ng/ml
a-hydroxyalprazolam	5.683	17695	∞	51.68	4484.8	7615	118.257 ng/ml
alpha-PHP	4.983	398540	50090.0	255.75	25320.3	516543	105.313 ng/ml
alpha-PVP	4.413	1260922	79394.0	55.94	28254.4	516543	104.136 ng/ml
Alprazolam	5.762	270303	∞	94.28	13687.9	106651	94.819 ng/ml
Amphetamine	3.020	543858	174967.7	257.07	50074.0	178247	101.842 ng/ml
Benzoylcegonine	3.832	27334	6851.9	39.78	663.4	9242	107.689 ng/ml
Bromazolam	5.796	117723	2677.8	99.29	2462.1	50350	98.468 ng/ml
Buprenorphine	5.899	59483	2713.2	14.17	556.9	80036	11.054 ng/ml
Bupropion	4.860	1194319	∞	66.83	19395.8	546677	106.606 ng/ml
Carisoprodol	5.707	249870	1854787.3	68.79	3108.2	86694	104.095 ng/ml
Citalopram	5.233	893078	31263.2	41.20	24301.6	414629	99.940 ng/ml
Clonazolam	5.530	29122	6404.6	42.82	8987.7	17901	41.941 ng/ml
Cocaine	4.287	1156387	103491.3	43.21	∞	832876	102.995 ng/ml
Codeine	2.849	140919	∞	91.81	2177.4	82615	103.284 ng/ml
Cyclobenzaprine	5.633	1056174	∞	9.59	43204.0	339873	100.889 ng/ml
Dextromethorphan	5.277	640018	31503.0	75.75	22642.6	308153	99.044 ng/ml
Dextroprhan	4.121	877623	7541.9	45.88	29252.0	409359	97.412 ng/ml
Diazepam	5.944	257801	3164.3	86.31	∞	108597	104.137 ng/ml
Dihydrocodeine	2.640	427476	7084.0	63.62	1293.7	211054	101.150 ng/ml
Diphenhydramine	5.309	3054441	28334.3	32.07	10337.5	1382614	98.399 ng/ml
Doxylamine	4.580	3434752	∞	93.45	232068.7	1089907	99.929 ng/ml
Duloxetine	5.663	184152	316.2	9.81	72.6	61718	89.915 ng/ml
EDDP	5.261	1494051	62183.6	42.44	137396.6	689244	105.872 ng/ml
Etizolam	5.802	37768	22054.0	409.50	72097.9	106651	99.634 ng/ml
Fentanyl	5.202	132124	60010.0	136.06	8839.7	644763	10.306 ng/ml
Fluorofentanyl	5.264	95086	13257.2	98.53	102.9	4689	11.887 ng/ml
Fluoxetine	5.720	1016408	∞	6.84	∞	370424	102.418 ng/ml
Hydrocodone	3.190	301147	5338.1	41.64	6873.4	209176	98.559 ng/ml
Hydromorphone	1.774	445495	3244.6	63.93	287.9	140736	110.845 ng/ml
Hydroxyzine	5.729	1156492	10266.7	111.13	771484.8	86889	110.797 ng/ml
Ketamine	4.229	683288	131901.2	38.03	10196.2	269728	108.348 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.345	66513	1938.8	93.22	6501.4	178247	106.493 ng/ml
Lorazepam	5.735	21225	∞	41.95	263.2	13866	104.110 ng/ml
MDA	3.171	570512	19701.5	32.35	∞	260089	100.299 ng/ml
MDMA	3.278	851899	20356.5	92.02	27346.5	86889	96.468 ng/ml
Meprobamate	4.871	55496	15909.3	43.68	1265.2	23155	102.060 ng/ml
Methadone	5.663	2179558	93479.0	48.70	78470.4	821809	98.364 ng/ml
Methamphetamine	3.203	1771104	22920.7	36.98	11133.9	620991	99.702 ng/ml
Metoprolol	4.319	293286	40842.9	98.98	∞	260089	101.280 ng/ml
Mirtazapine	4.869	1589493	46547.2	50.91	40589.6	86889	100.957 ng/ml
Mitragynine	5.331	544950	177133.1	30.56	10176.7	991699	124.537 ng/ml
Morphine	1.402	98483	∞	19.53	∞	14177	95.118 ng/ml
Norbuprenorphine	5.005	11746	807.6	111.92	6628.8	20366	9.993 ng/ml
Nordiazepam	5.883	57124	1411.5	63.01	3720.7	17901	101.644 ng/ml
Norfentanyl	4.071	49304	3948.3	30.22	2019.9	621701	10.745 ng/ml
Norhydrocodone	3.058	90983	∞	26.15	∞	95975	94.197 ng/ml
Noroxycodone	2.894	252084	∞	49.73	∞	85207	92.600 ng/ml
O-desmethyl-tramadol	3.359	2173121	∞	7.03	14025.5	949780	97.297 ng/ml
O-Desmethylvenlafaxine	4.059	614086	3641.3	515.38	16735.0	213075	105.997 ng/ml
Oxycodone	2.944	784190	30229.7	28.99	8718.0	272863	98.018 ng/ml
Oxymorphone	1.495	578697	∞	43.55	∞	225895	97.046 ng/ml
Phentermine	3.765	271798	∞	9.78	3191.1	355299	101.707 ng/ml
Promethazine	5.564	1575212	942685.2	39.95	199303.0	796016	96.813 ng/ml
Pseudoephedrine	2.546	2318679	∞	17.63	7056062208 915050.0	991699	100.258 ng/ml
Quetiapine	5.624	1443237	∞	60.91	213895.9	230611	106.241 ng/ml
Sertraline	5.793	232623	427010.9	106.02	24617.4	110208	95.573 ng/ml
Temazepam	5.809	263791	5249.8	32.74	705.3	113020	102.357 ng/ml
Tramadol	4.238	2177595	∞	3.88	∞	1072674	107.380 ng/ml
Trazodone	5.483	1117898	120699.1	153.46	70697.7	715115	95.434 ng/ml
Venlafaxine	5.044	1741830	119546.8	37.26	12260.1	932655	94.903 ng/ml
Xylazine	4.076	129186	302.5	132.25	1154.8	219185	108.424 ng/ml
Zolpidem	5.297	2050378	76367.3	31.61	∞	887885	94.467 ng/ml

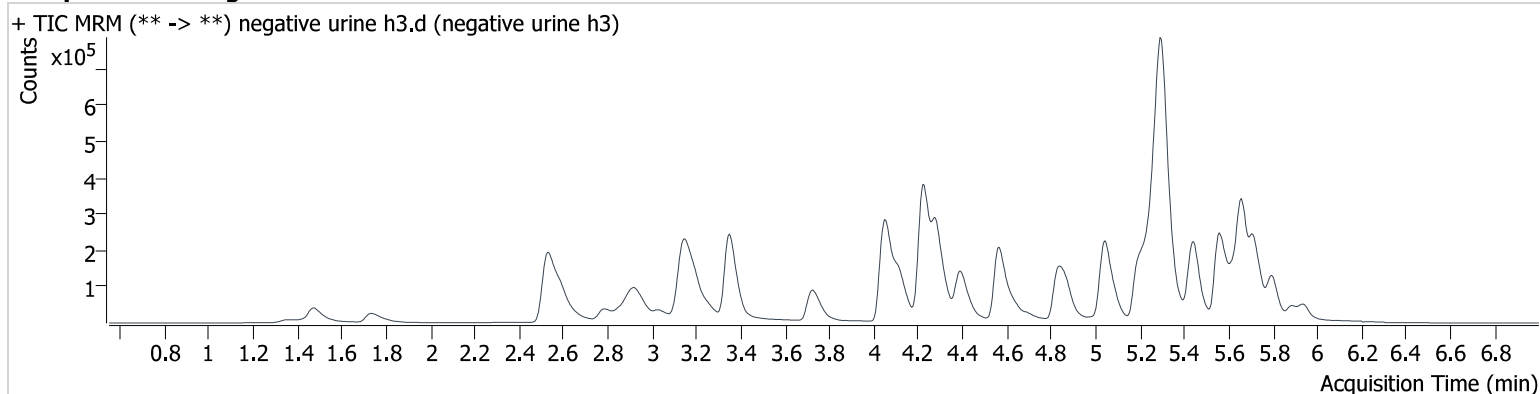
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 72723.m
Sample Position P2-H3
Injection Volume 3
Acq. Date-Time 9/14/2023 2:35:22 PM
Sample Info.

Data File negative urine h3.d
Sample negative urine h3
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

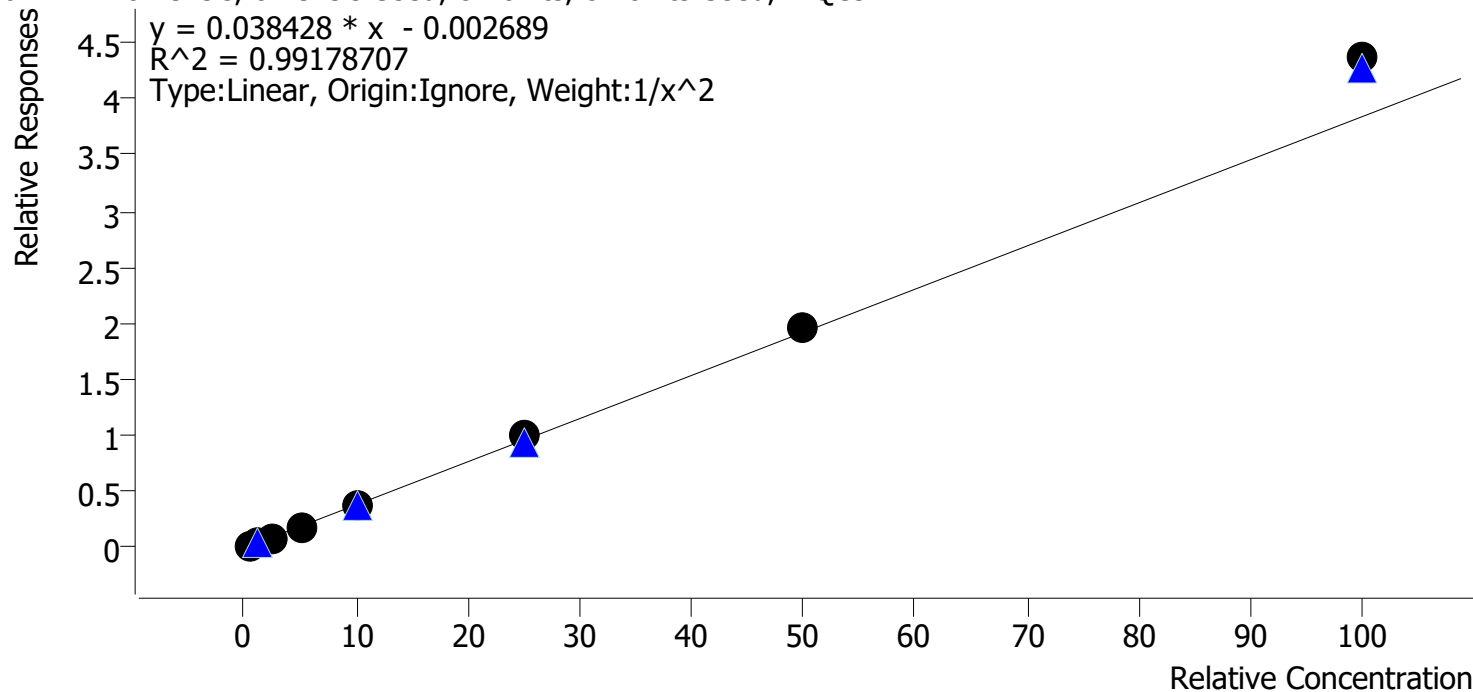


Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



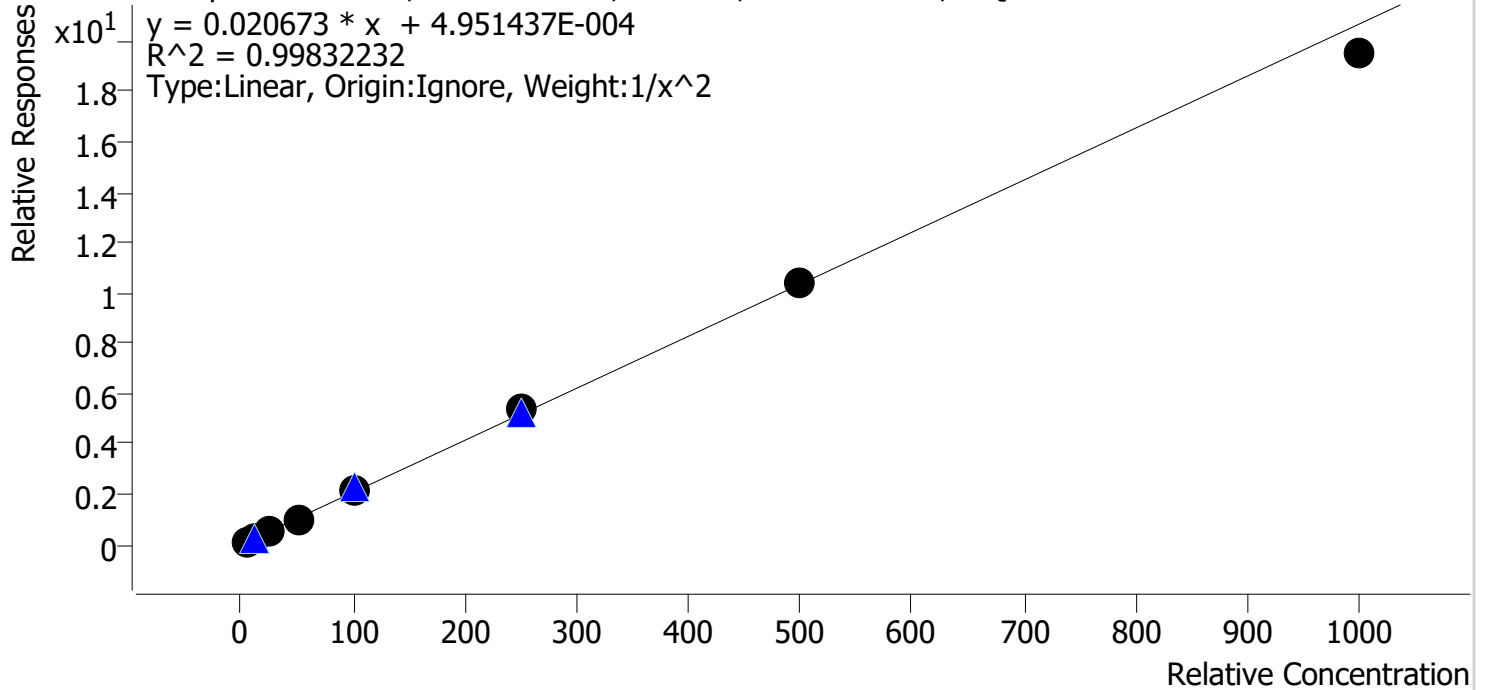
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.1
cal 2 mdq	2	✓	1.0	0.9	94.8
cal 3 mdq	3	✓	2.5	2.3	91.8
cal 4 mdq	4	✓	5.0	4.5	90.8
cal 5 mdq	5	✓	10.0	9.7	96.7
cal 6 mdq	6	✓	25.0	26.4	105.5
cal 7 mdq	7	✓	50.0	50.8	101.5
cal 8 mdq	8	✓	100.0	113.7	113.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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

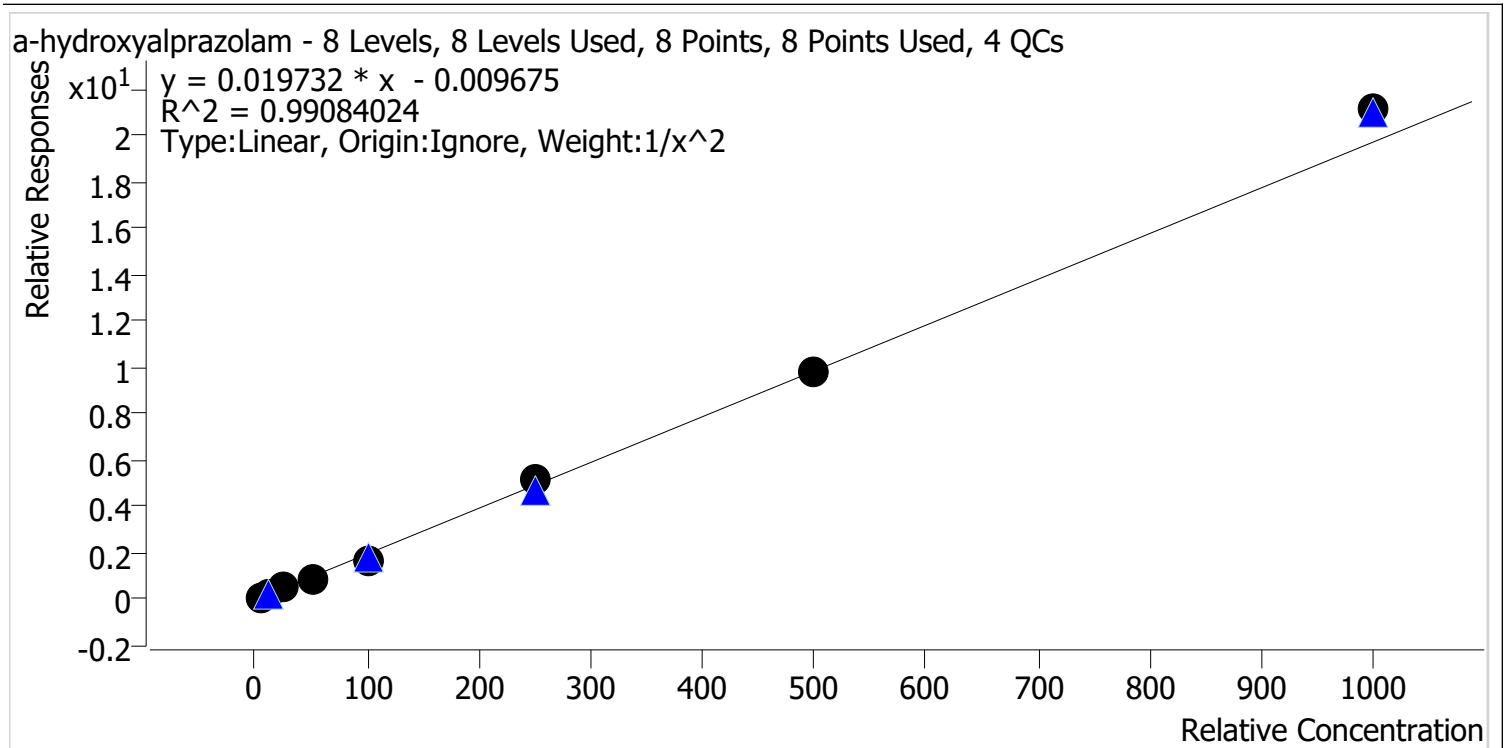


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	105.5	105.5
cal 6 mdq	6	✓	250.0	258.4	103.4
cal 7 mdq	7	✓	500.0	502.5	100.5
cal 8 mdq	8	✓	1000.0	943.2	94.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



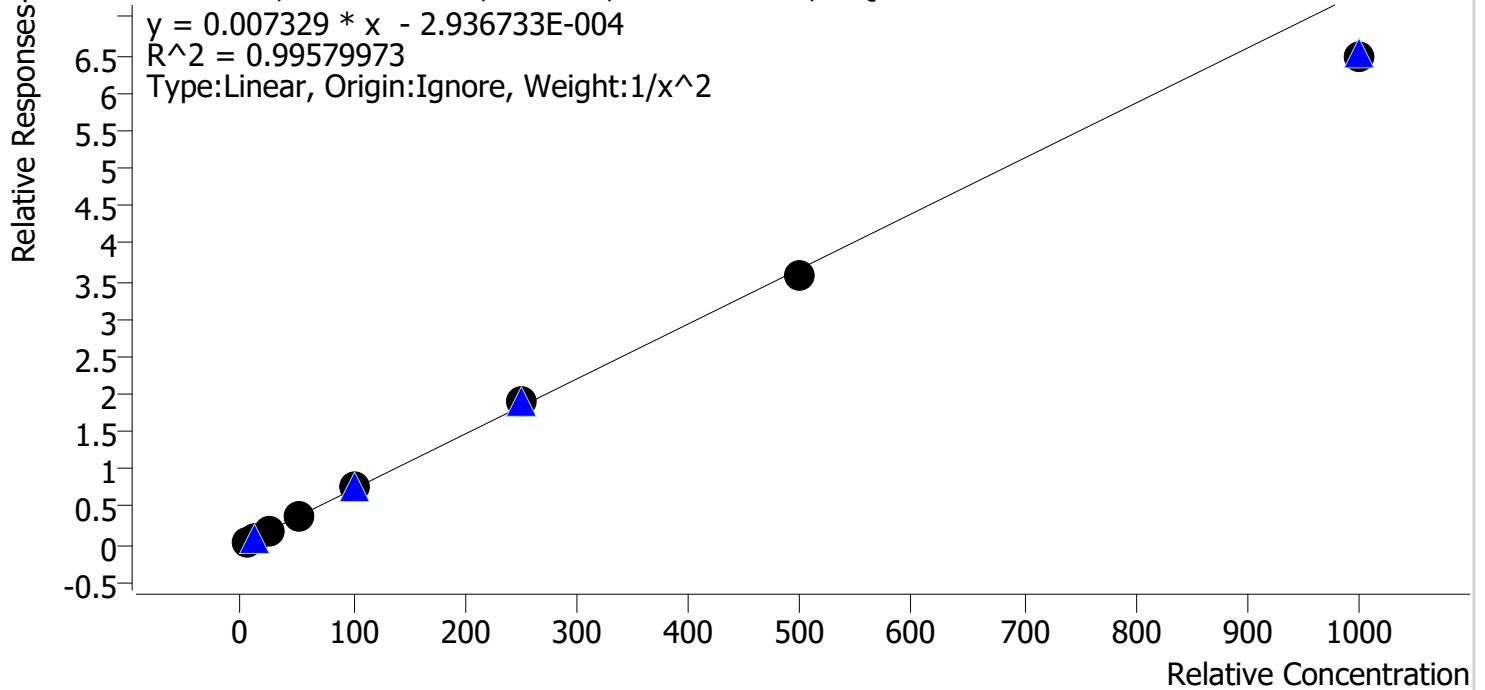
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.0	89.8
cal 3 mdq	3	✓	25.0	28.0	112.2
cal 4 mdq	4	✓	50.0	47.9	95.9
cal 5 mdq	5	✓	100.0	88.3	88.3
cal 6 mdq	6	✓	250.0	260.2	104.1
cal 7 mdq	7	✓	500.0	495.4	99.1
cal 8 mdq	8	✓	1000.0	1071.7	107.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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



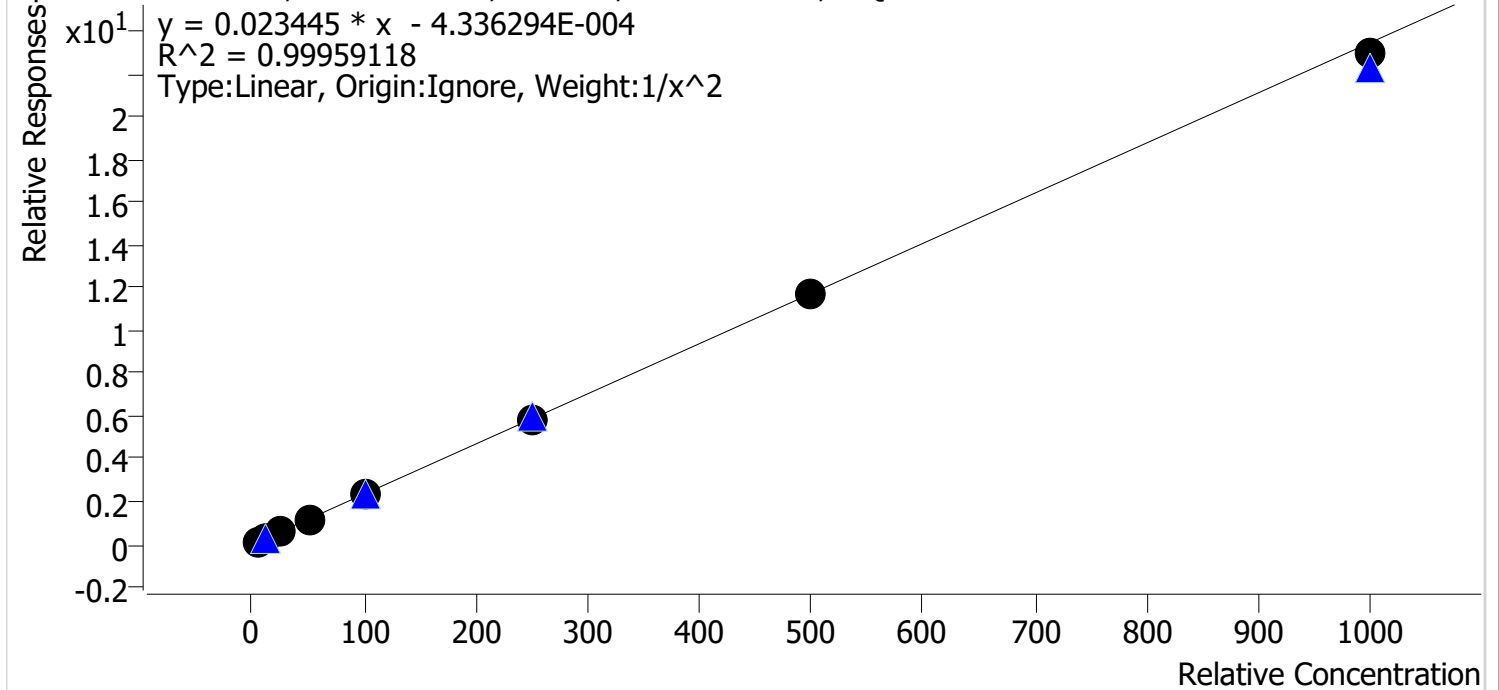
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	26.6	106.4
cal 4 mdq	4	✓	50.0	52.1	104.1
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	256.3	102.5
cal 7 mdq	7	✓	500.0	486.0	97.2
cal 8 mdq	8	✓	1000.0	883.3	88.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

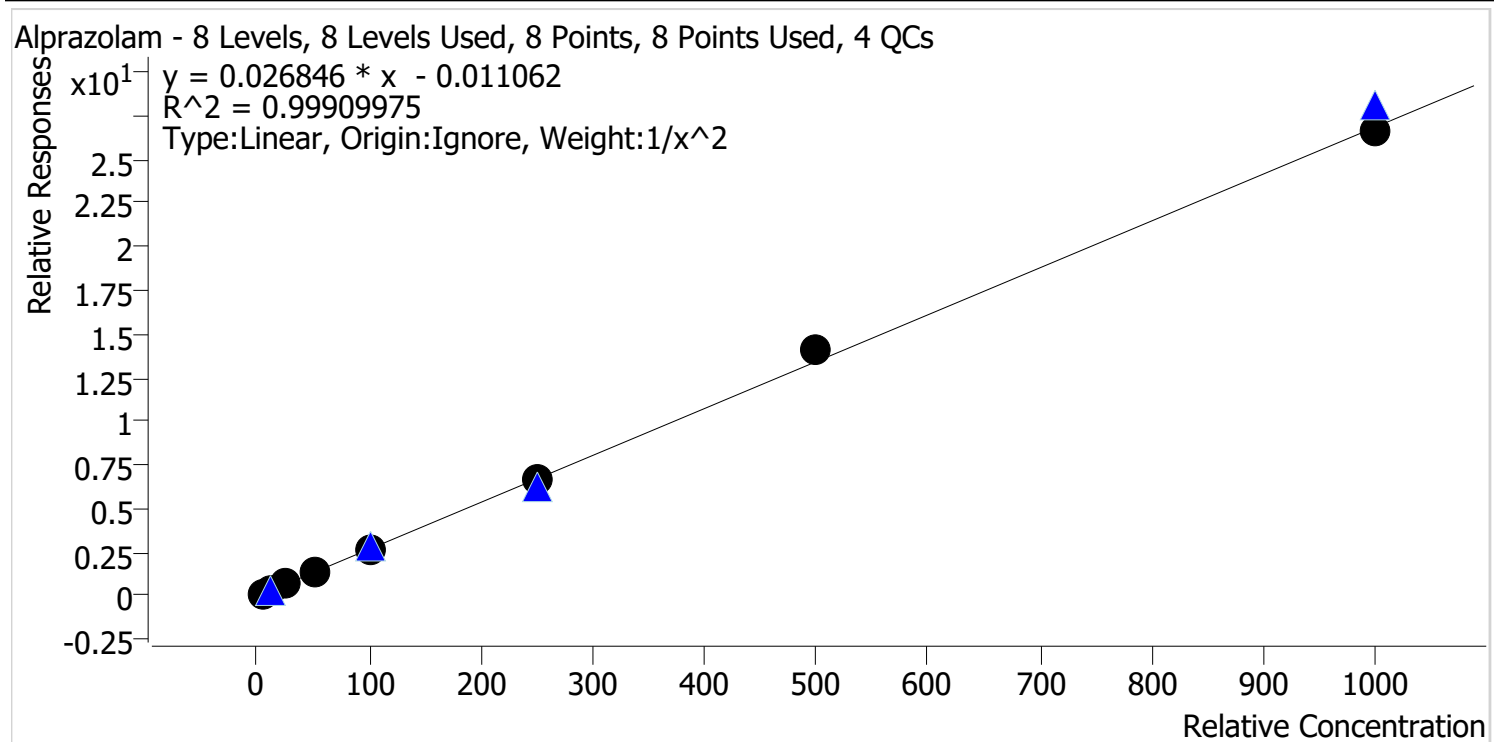


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	250.0	100.0
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	978.2	97.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



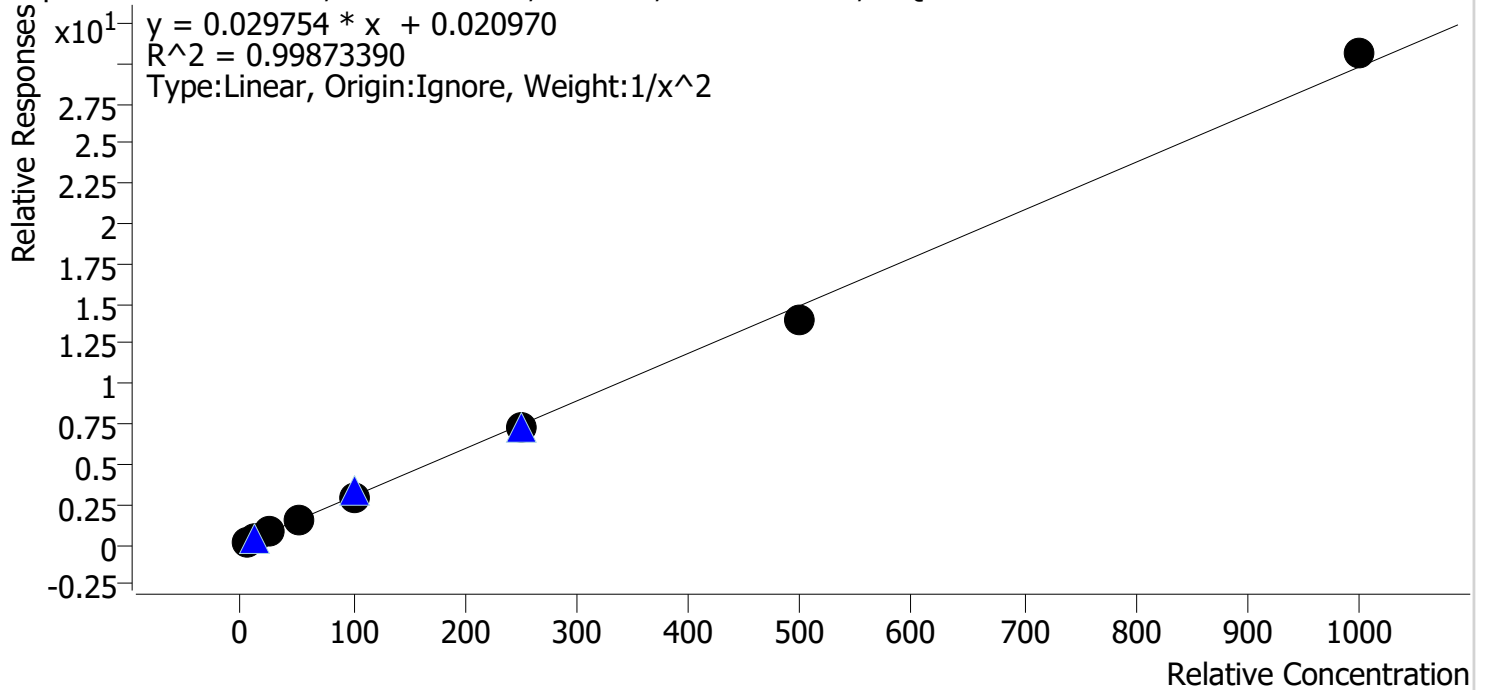
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	251.6	100.6
cal 7 mdq	7	✓	500.0	526.4	105.3
cal 8 mdq	8	✓	1000.0	993.8	99.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



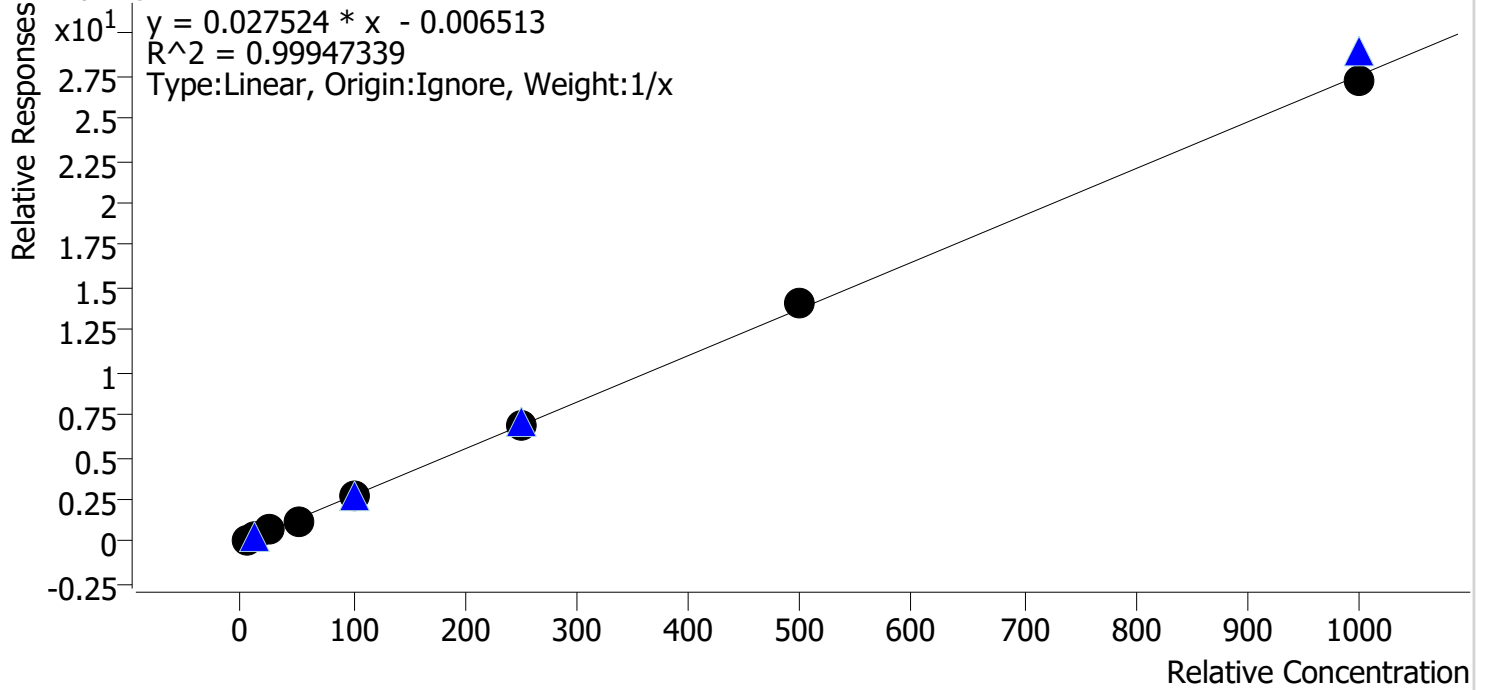
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	467.2	93.4
cal 8 mdq	8	✓	1000.0	1028.1	102.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



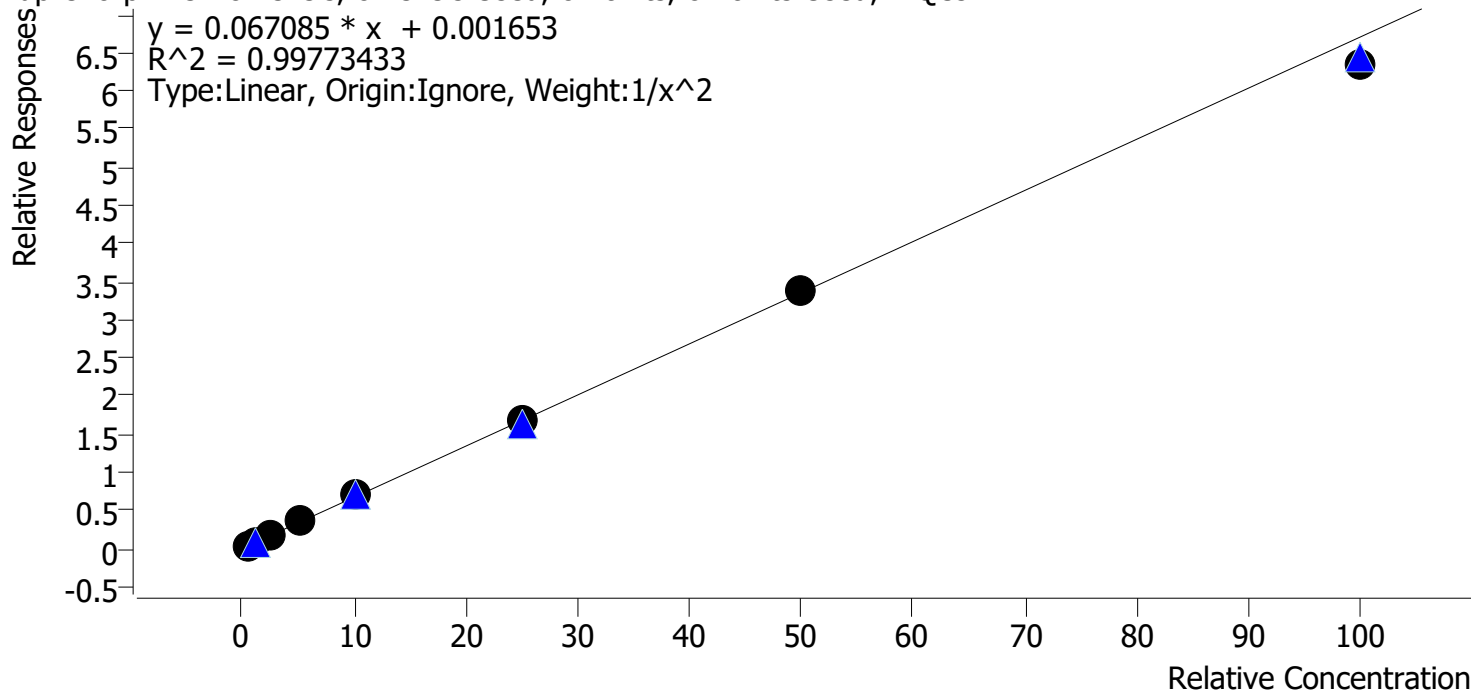
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.6
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	515.9	103.2
cal 8 mdq	8	✓	1000.0	989.5	99.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



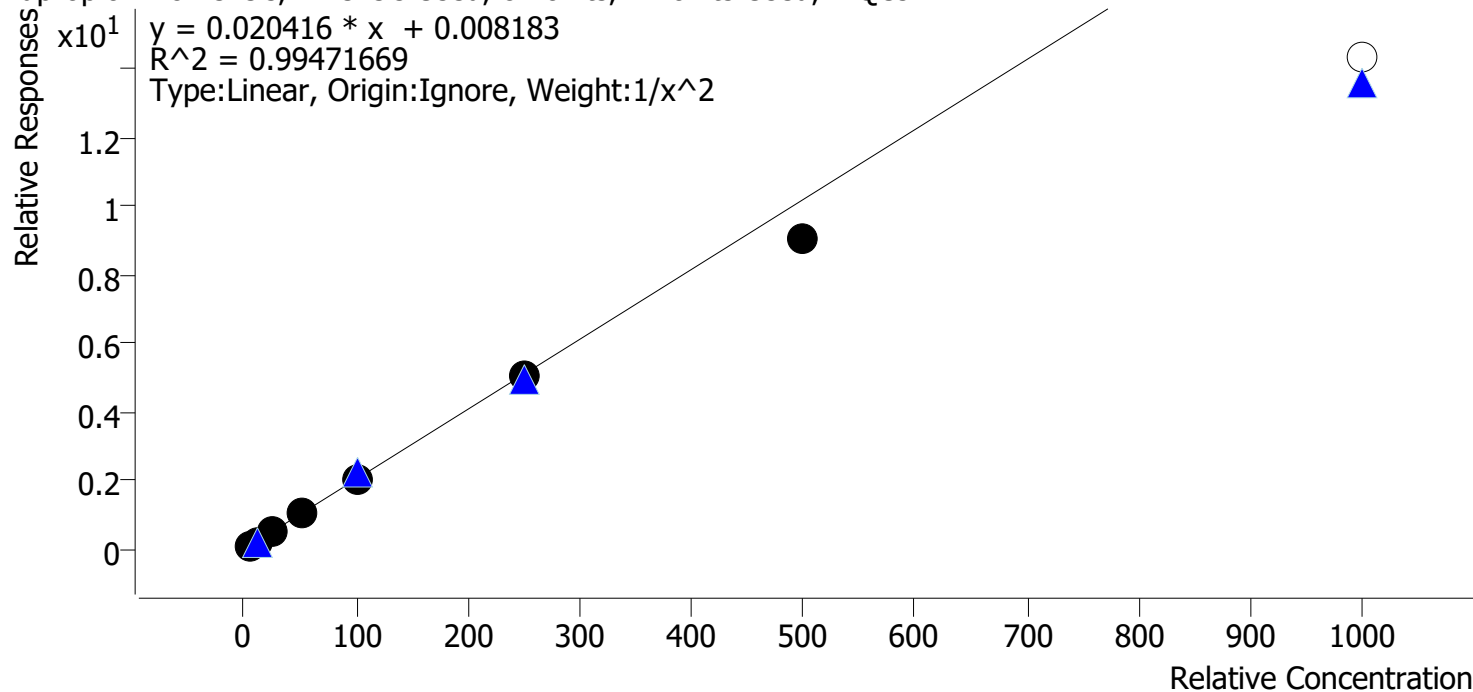
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.4
cal 2 mdq	2	✓	1.0	0.9	94.4
cal 3 mdq	3	✓	2.5	2.5	98.7
cal 4 mdq	4	✓	5.0	5.3	105.6
cal 5 mdq	5	✓	10.0	10.4	104.2
cal 6 mdq	6	✓	25.0	24.8	99.1
cal 7 mdq	7	✓	50.0	50.6	101.2
cal 8 mdq	8	✓	100.0	94.6	94.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



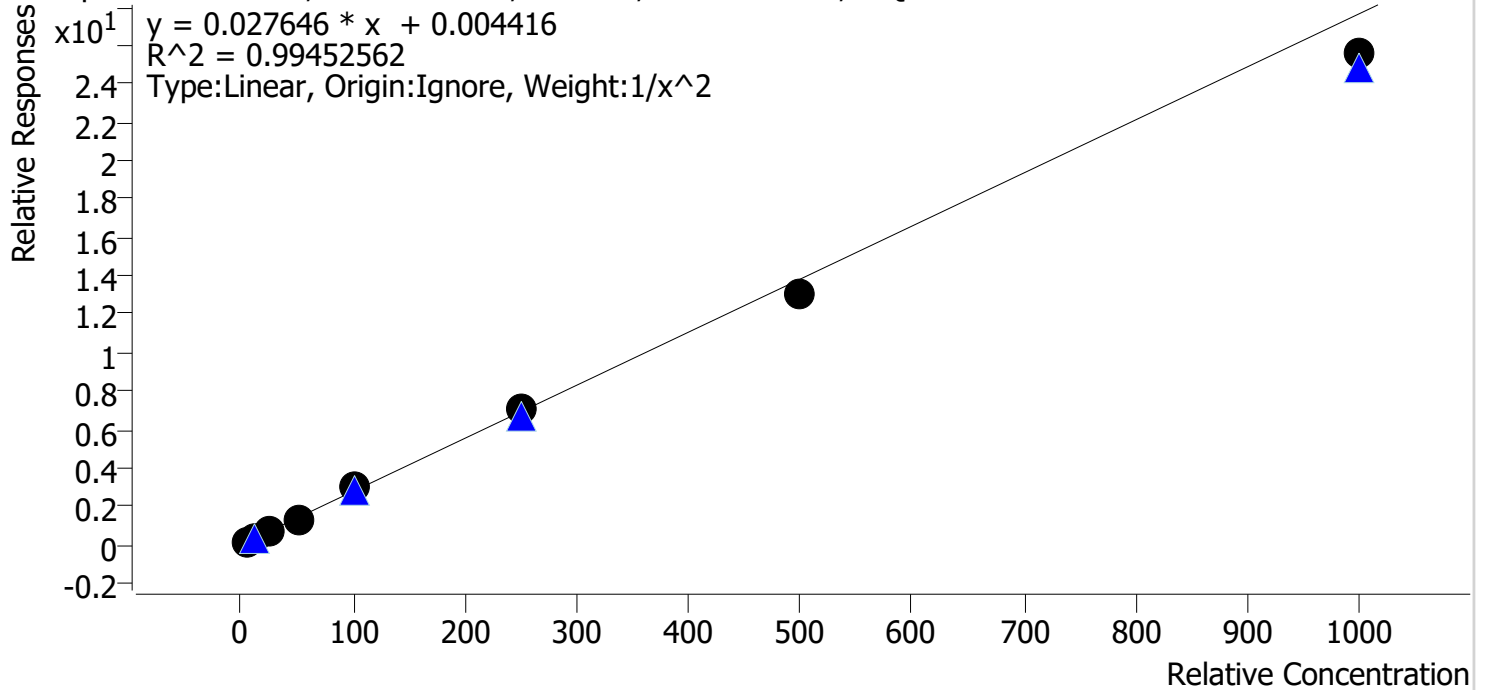
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.5
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	26.9	107.5
cal 4 mdq	4	✓	50.0	52.9	105.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	443.4	88.7
cal 8 mdq	8	x	1000.0	702.8	70.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



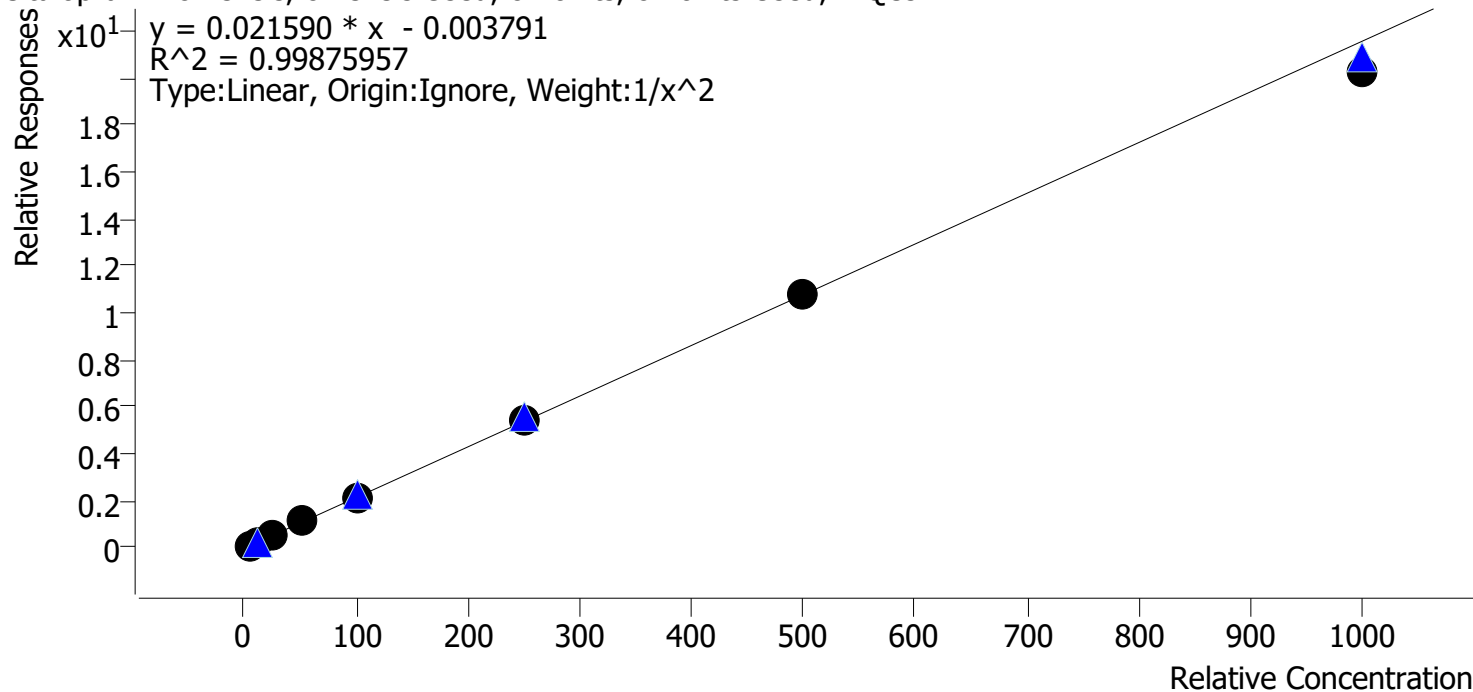
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.3	93.2
cal 3 mdq	3	✓	25.0	27.5	109.9
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	257.2	102.9
cal 7 mdq	7	✓	500.0	474.7	94.9
cal 8 mdq	8	✓	1000.0	925.0	92.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	504.1	100.8
cal 8 mdq	8	✓	1000.0	937.4	93.7

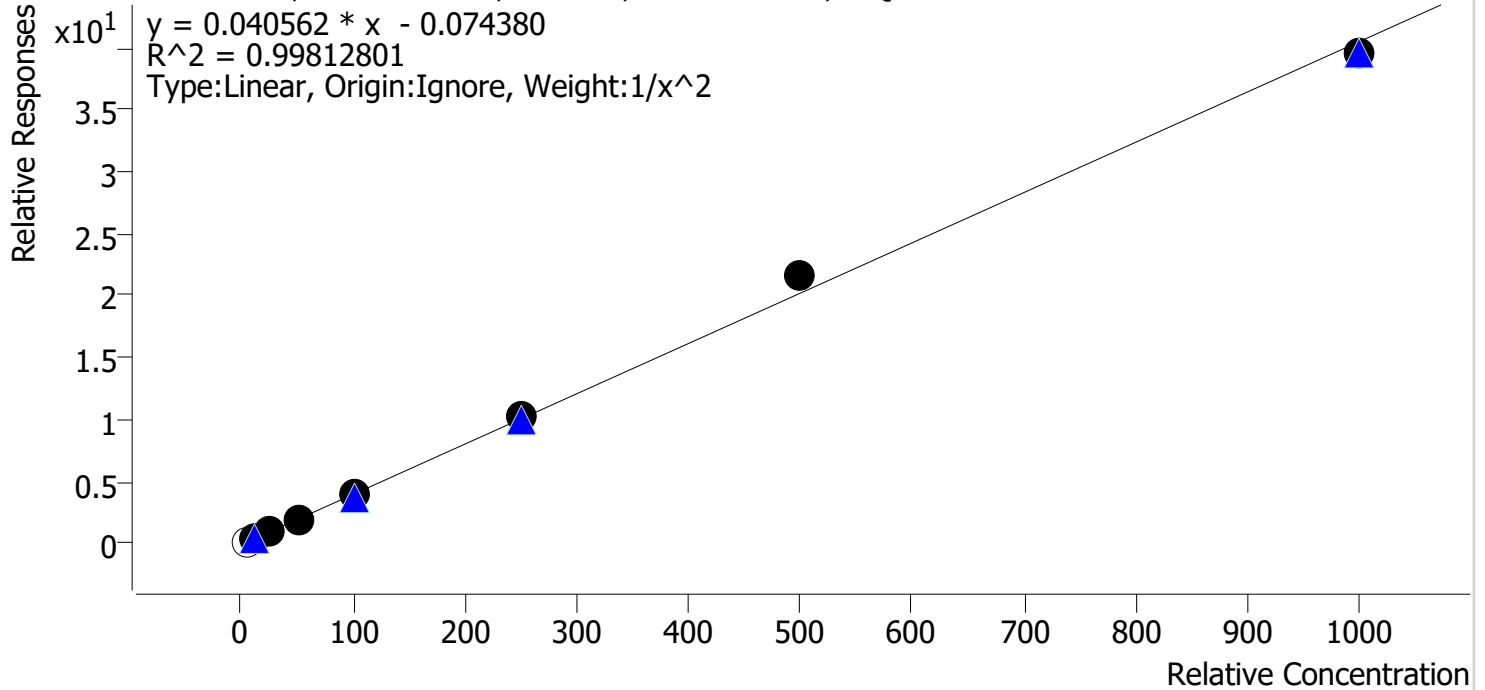
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Clonazolam

Internal Standard Nordiazepam-D5

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



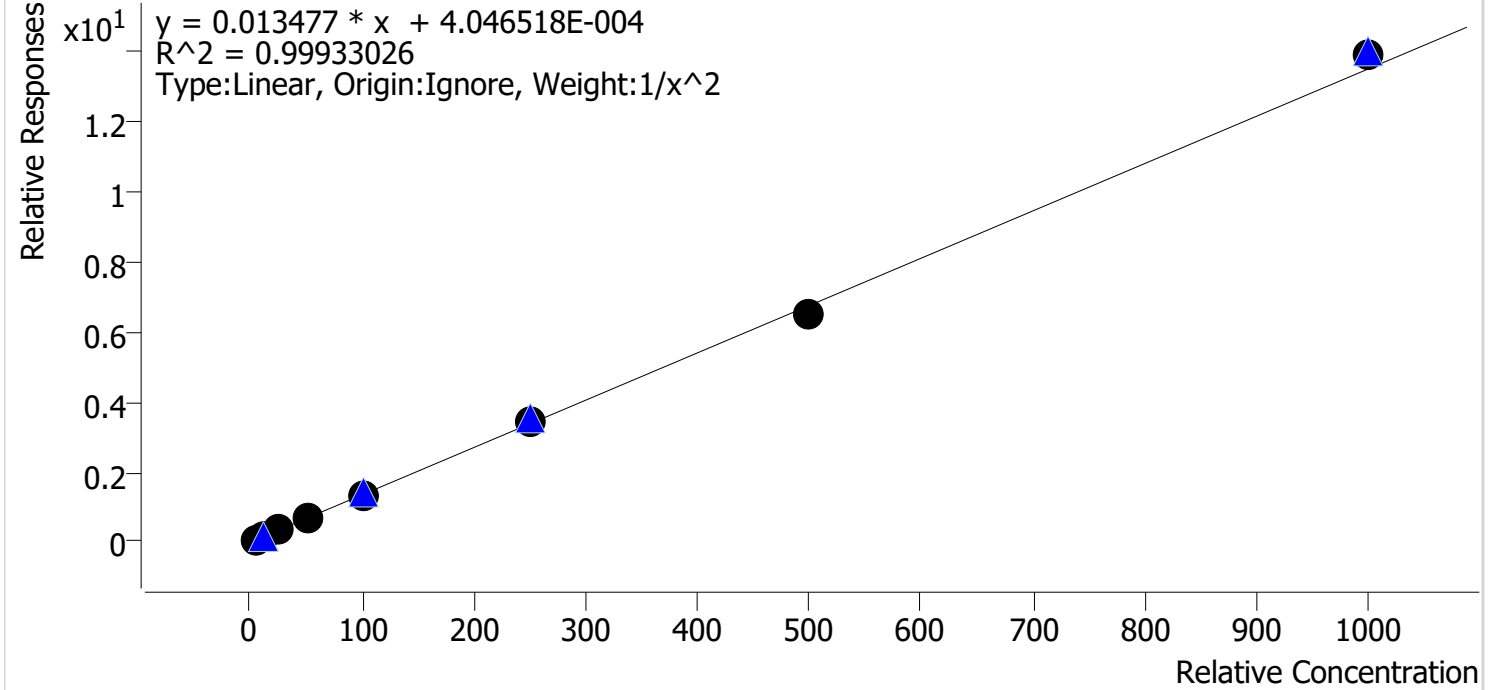
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	5.9	117.2
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	255.0	102.0
cal 7 mdq	7	✓	500.0	534.6	106.9
cal 8 mdq	8	✓	1000.0	975.4	97.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



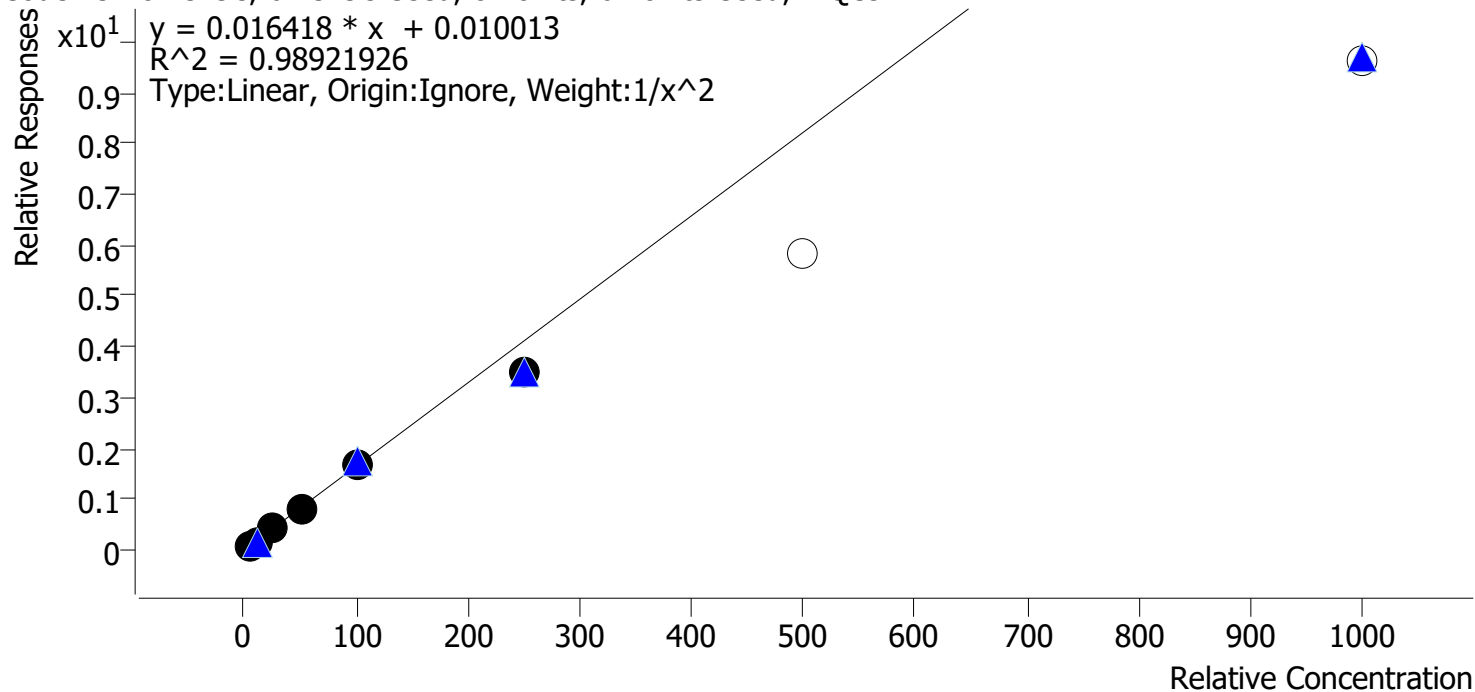
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	256.4	102.6
cal 7 mdq	7	✓	500.0	479.0	95.8
cal 8 mdq	8	✓	1000.0	1027.1	102.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



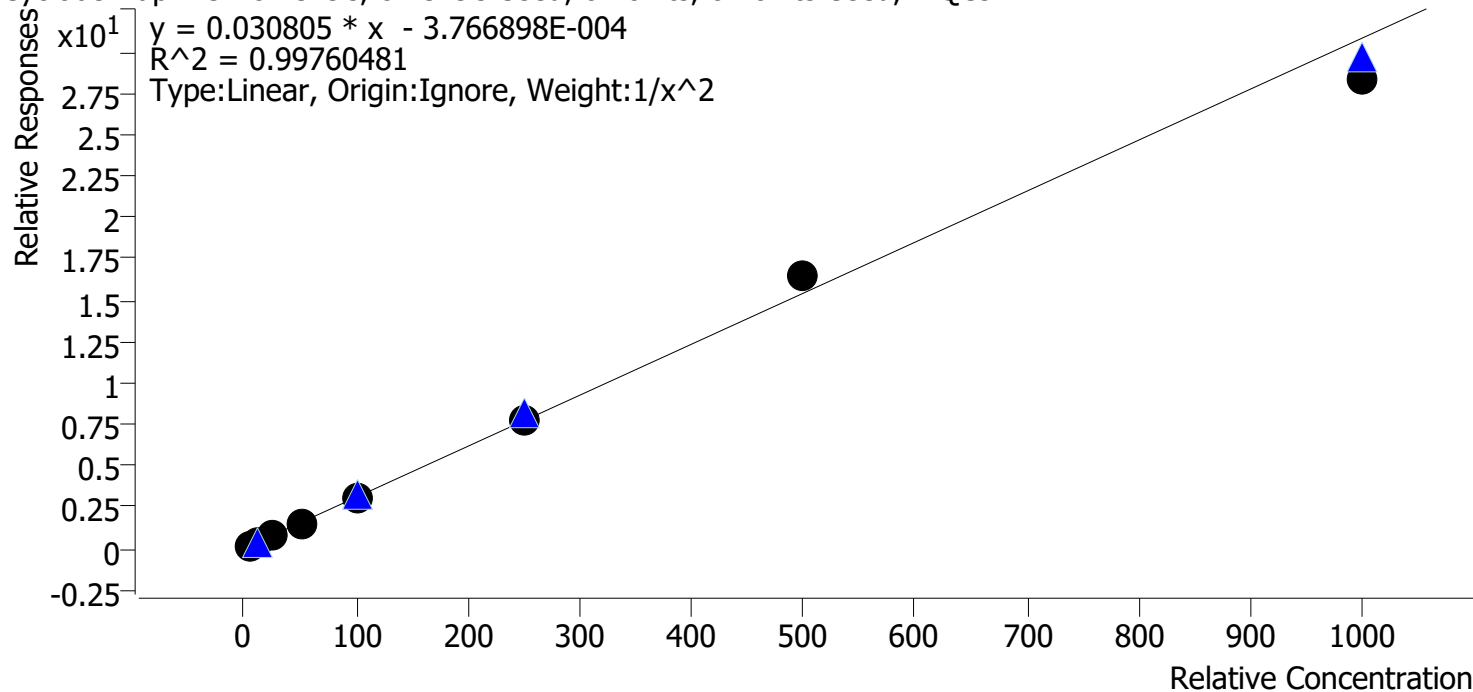
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	27.8	111.1
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	214.0	85.6
cal 7 mdq	7	✗	500.0	355.6	71.1
cal 8 mdq	8	✗	1000.0	585.3	58.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



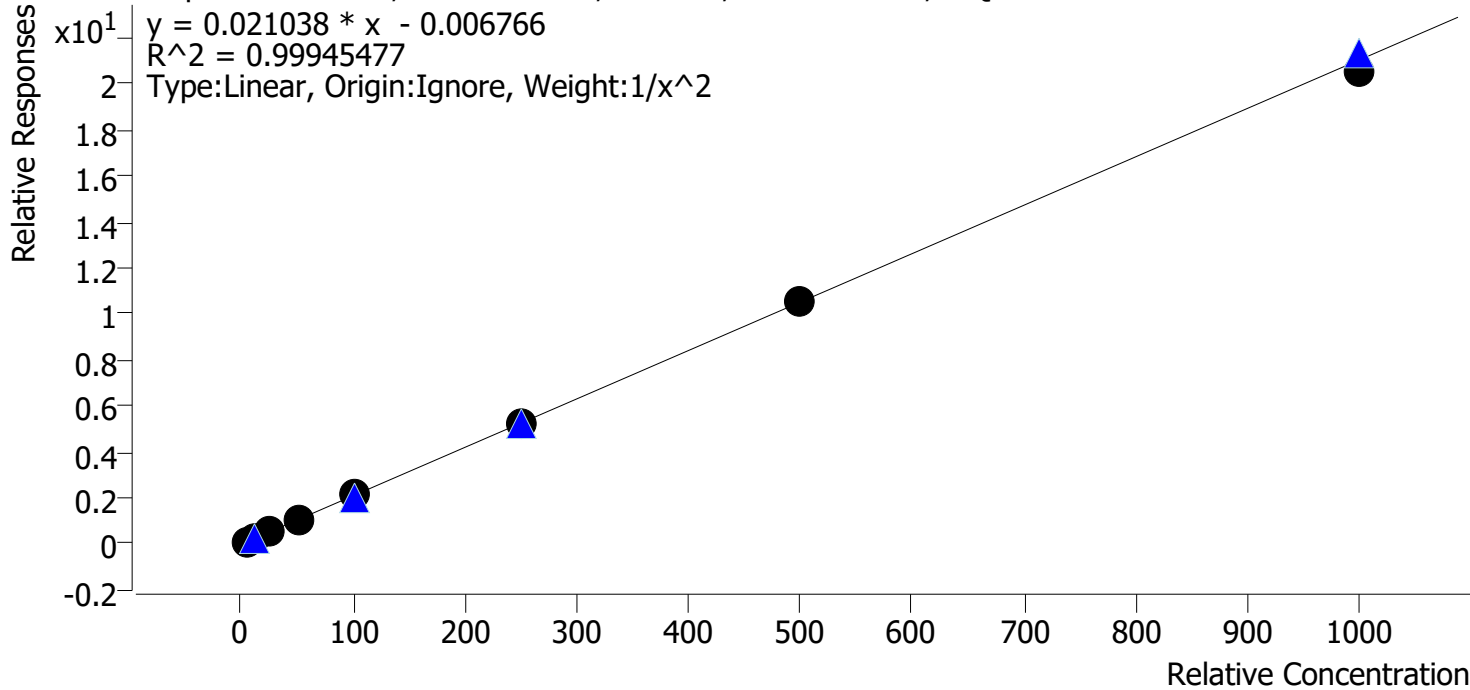
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.7	103.0
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	536.5	107.3
cal 8 mdq	8	✓	1000.0	921.8	92.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



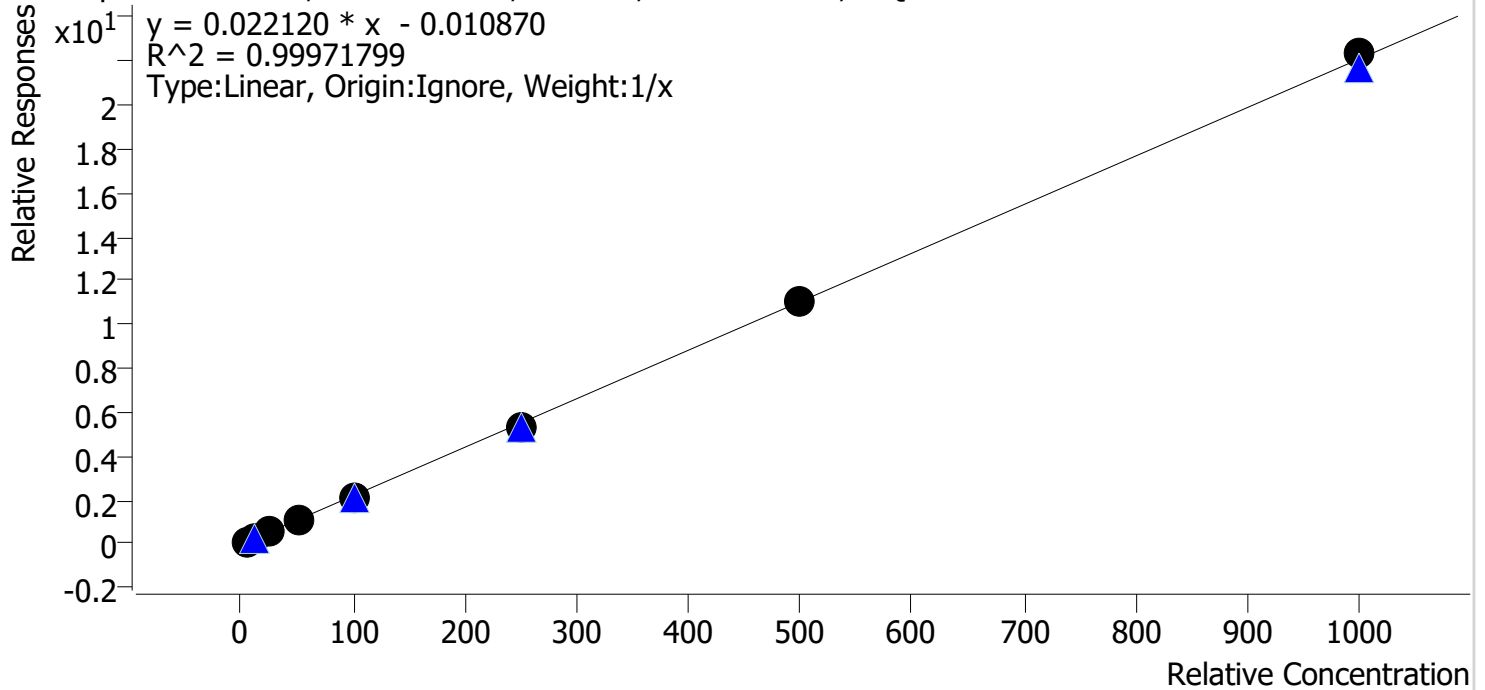
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	499.1	99.8
cal 8 mdq	8	✓	1000.0	979.9	98.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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

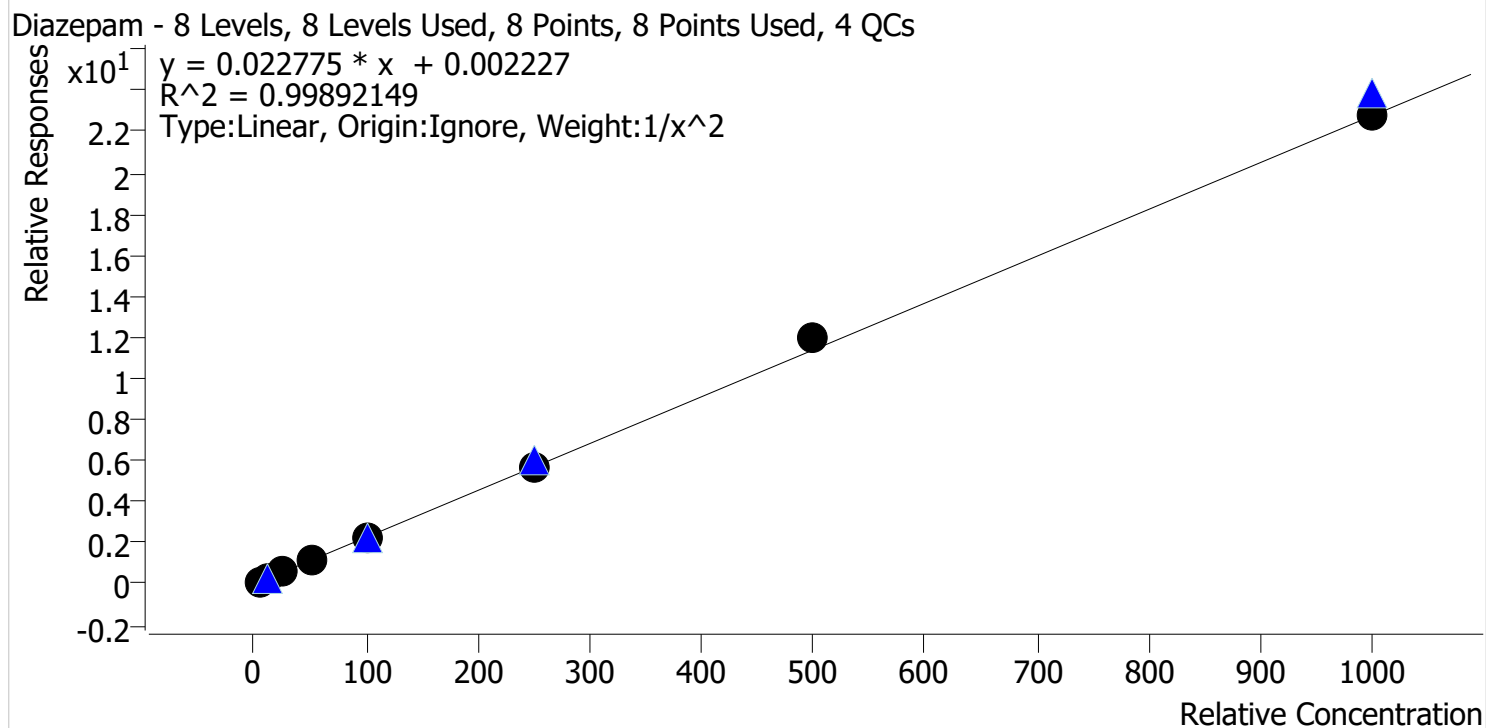


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	243.1	97.2
cal 7 mdq	7	✓	500.0	500.1	100.0
cal 8 mdq	8	✓	1000.0	1011.2	101.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



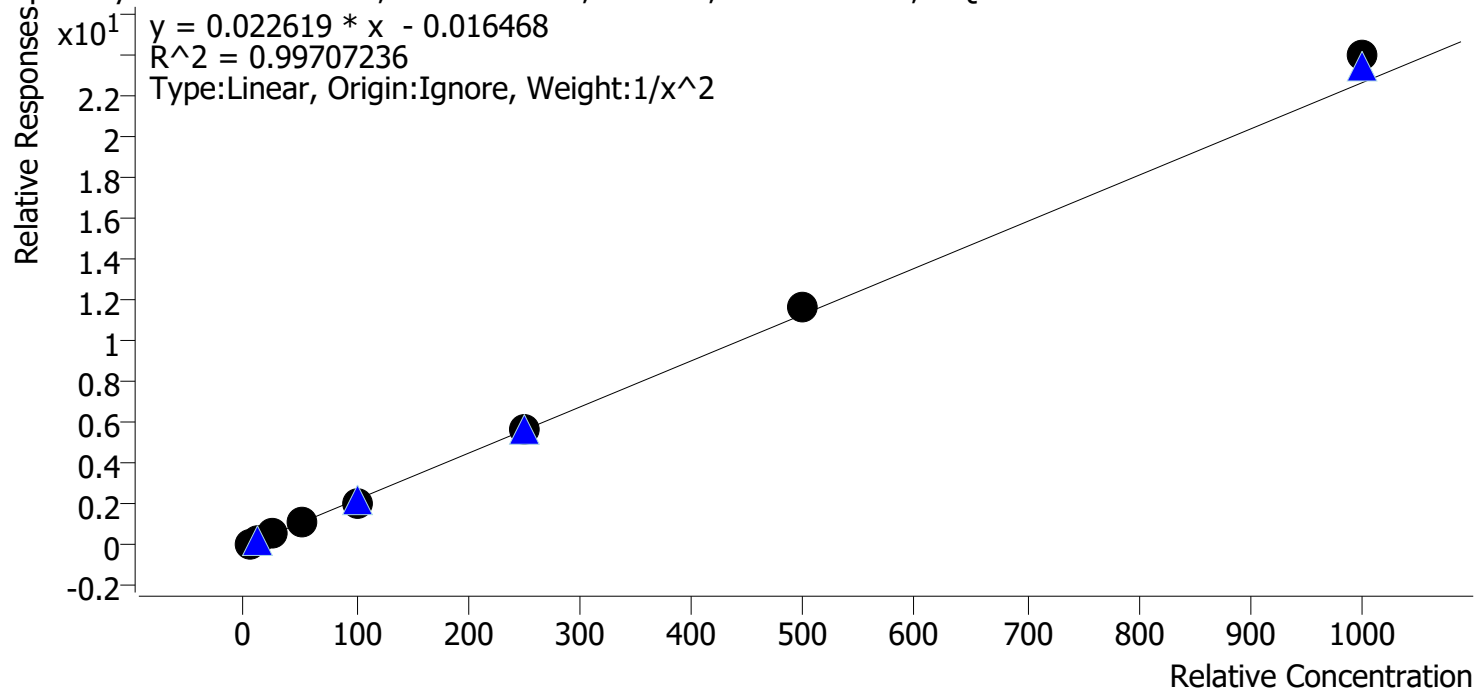
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	248.6	99.5
cal 7 mdq	7	✓	500.0	526.8	105.4
cal 8 mdq	8	✓	1000.0	1002.1	100.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



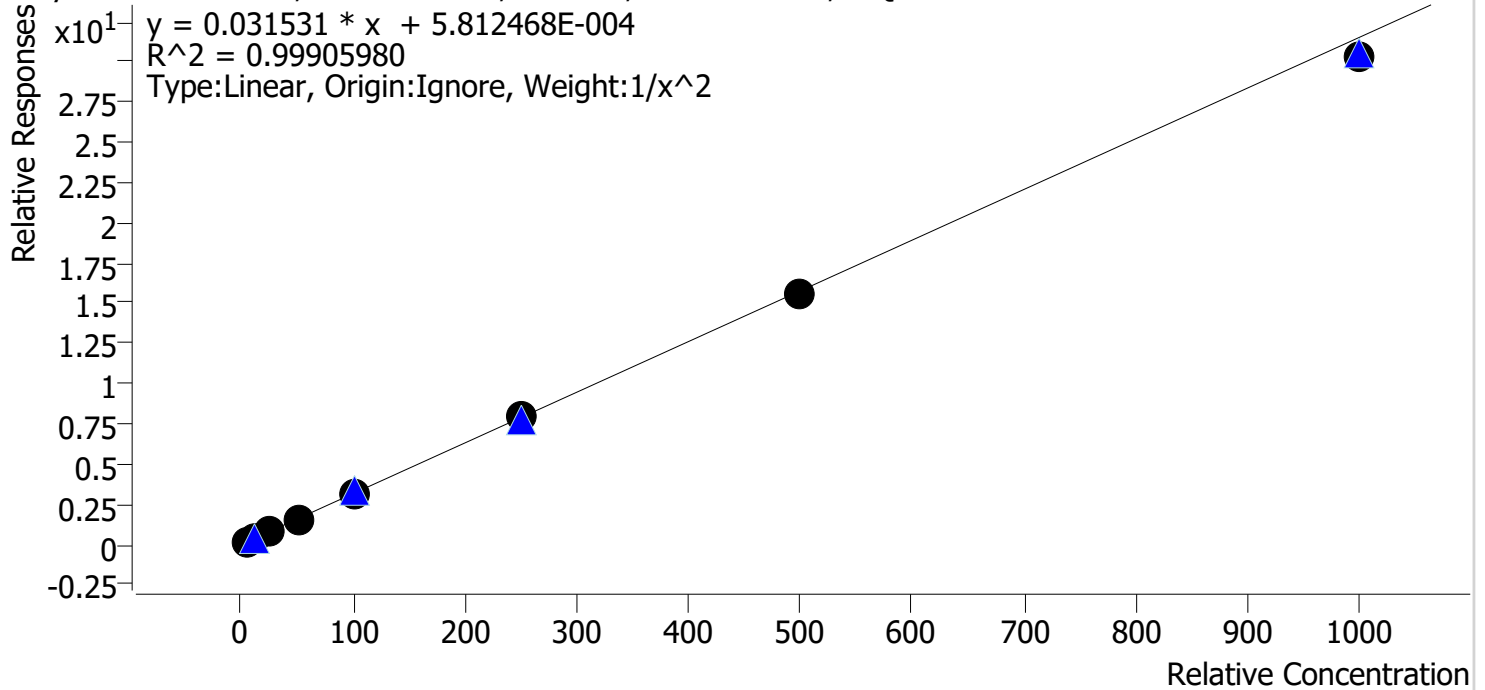
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	9.4	93.9
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	92.0	92.0
cal 6 mdq	6	✓	250.0	251.6	100.6
cal 7 mdq	7	✓	500.0	513.9	102.8
cal 8 mdq	8	✓	1000.0	1058.5	105.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



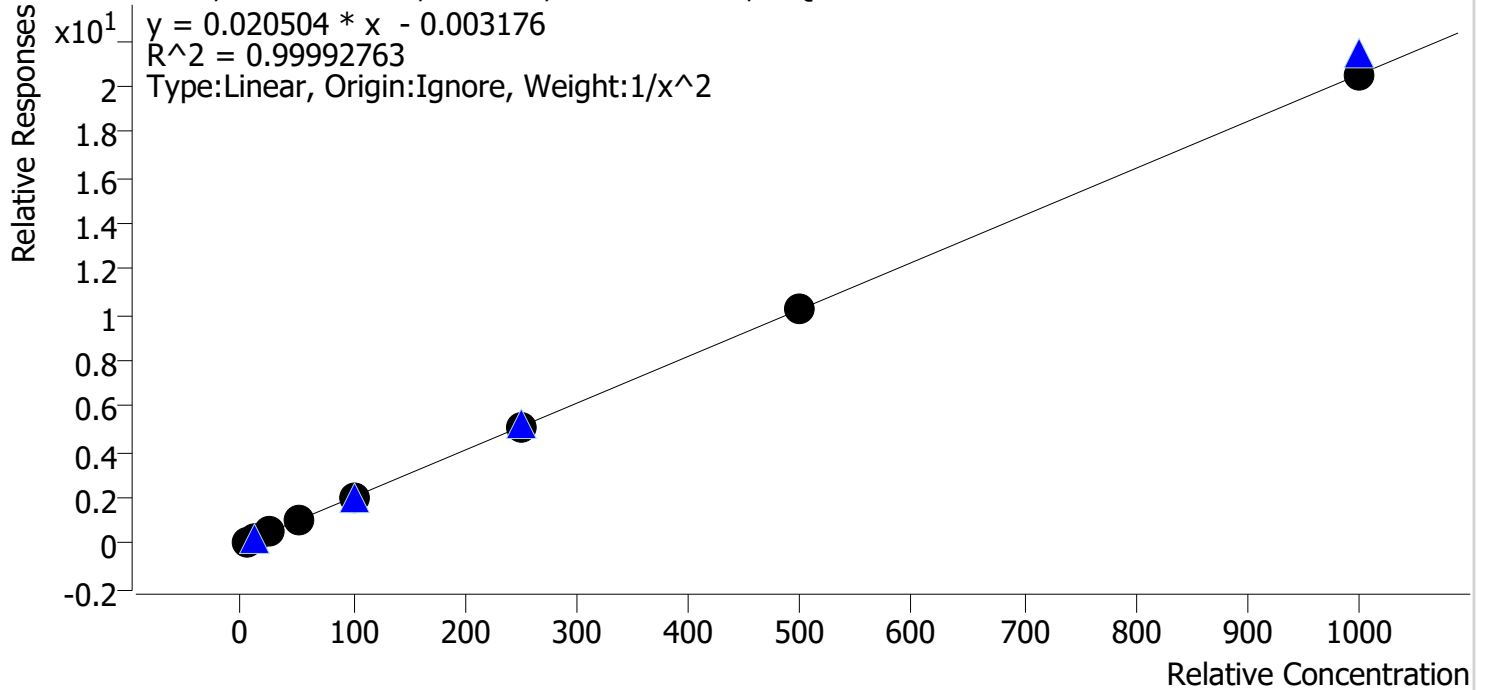
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	494.2	98.8
cal 8 mdq	8	✓	1000.0	965.1	96.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



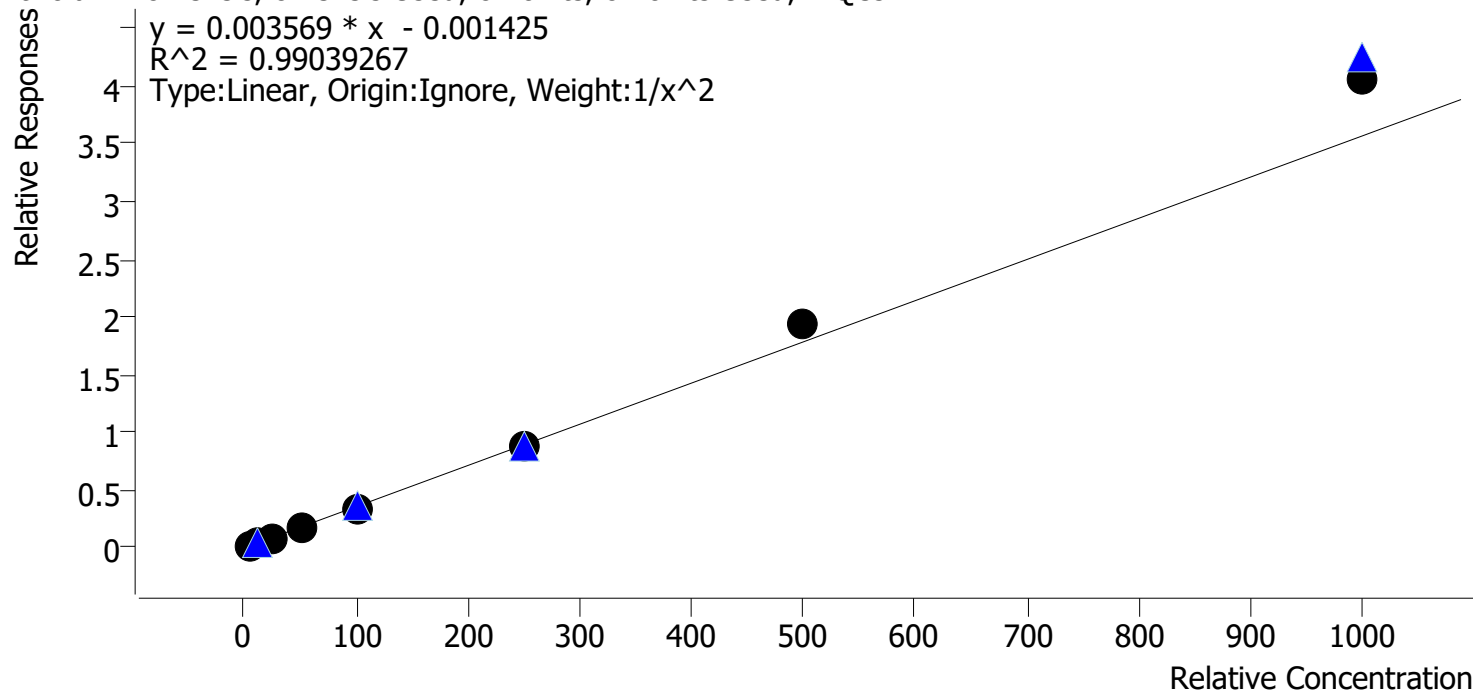
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	997.3	99.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Alprazolam-D5

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



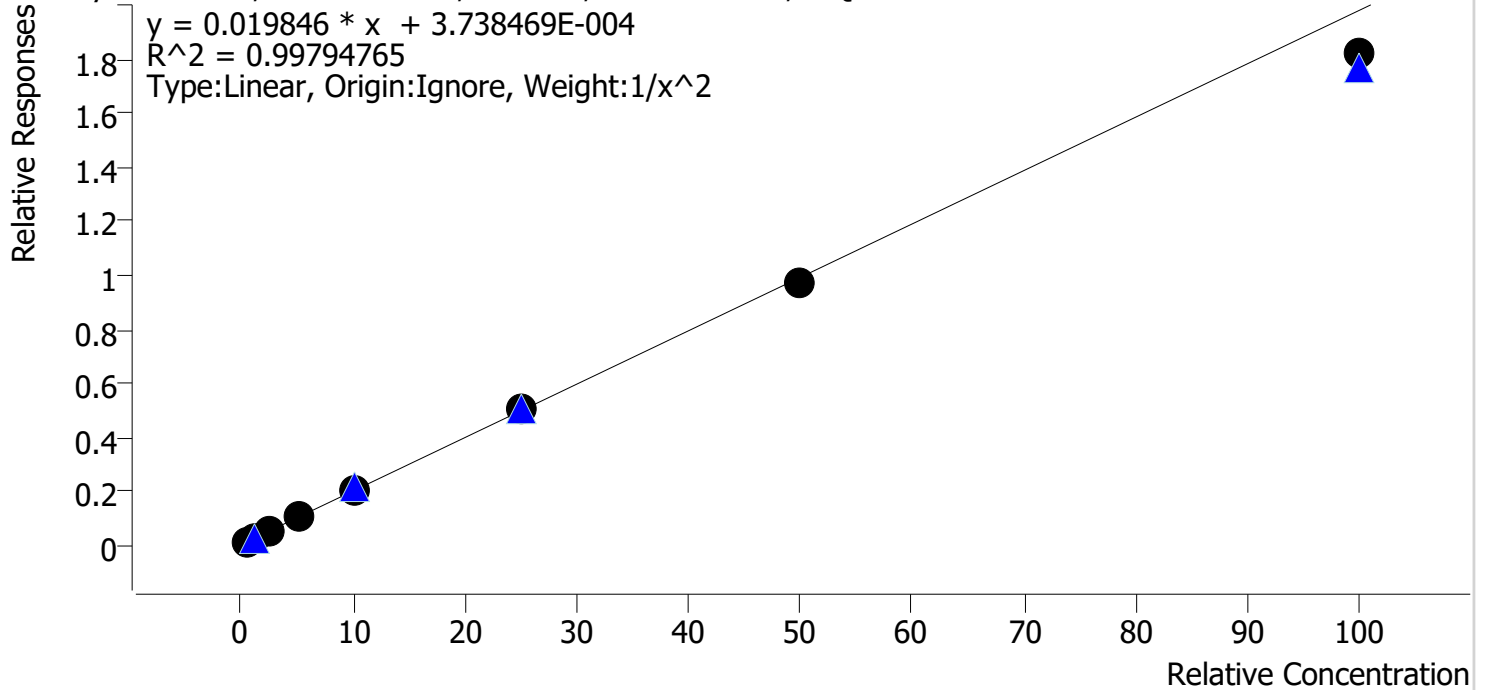
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	22.1	88.4
cal 4 mdq	4	✓	50.0	45.5	90.9
cal 5 mdq	5	✓	100.0	96.1	96.1
cal 6 mdq	6	✓	250.0	244.4	97.8
cal 7 mdq	7	✓	500.0	544.0	108.8
cal 8 mdq	8	✓	1000.0	1136.8	113.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



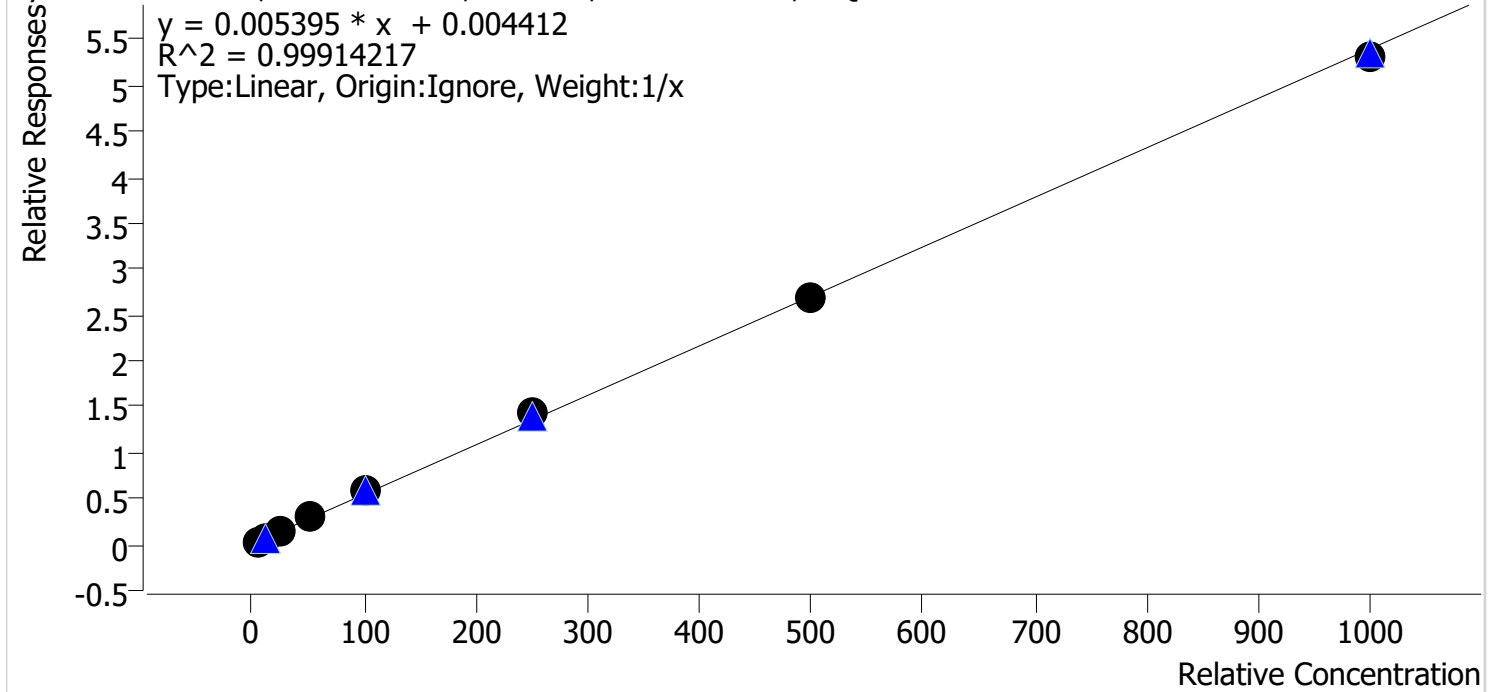
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.1
cal 2 mdq	2	✓	1.0	1.0	101.9
cal 3 mdq	3	✓	2.5	2.6	103.1
cal 4 mdq	4	✓	5.0	5.1	101.3
cal 5 mdq	5	✓	10.0	10.4	104.0
cal 6 mdq	6	✓	25.0	25.5	101.9
cal 7 mdq	7	✓	50.0	48.9	97.8
cal 8 mdq	8	✓	100.0	91.9	91.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylazine - D6

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



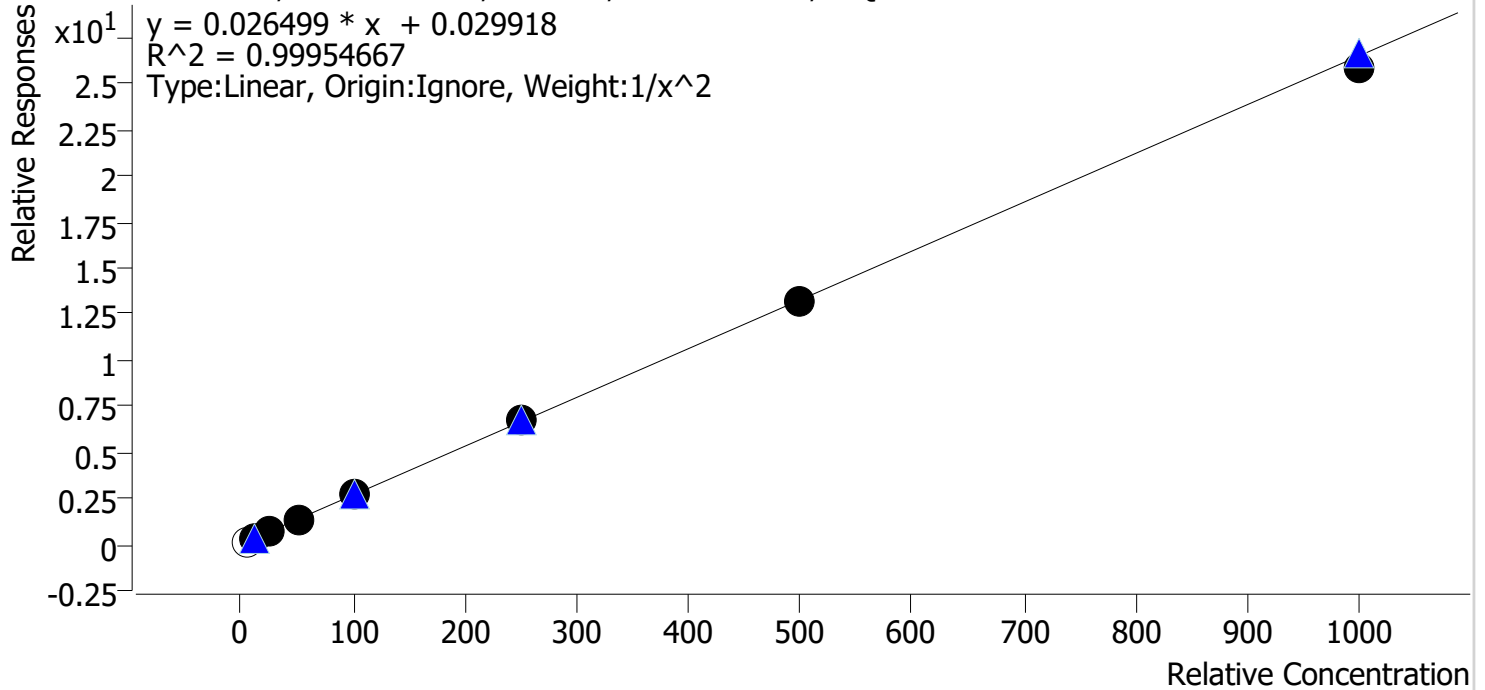
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	85.3
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	52.7	105.5
cal 5 mdq	5	✓	100.0	105.2	105.2
cal 6 mdq	6	✓	250.0	262.2	104.9
cal 7 mdq	7	✓	500.0	498.2	99.6
cal 8 mdq	8	✓	1000.0	981.6	98.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



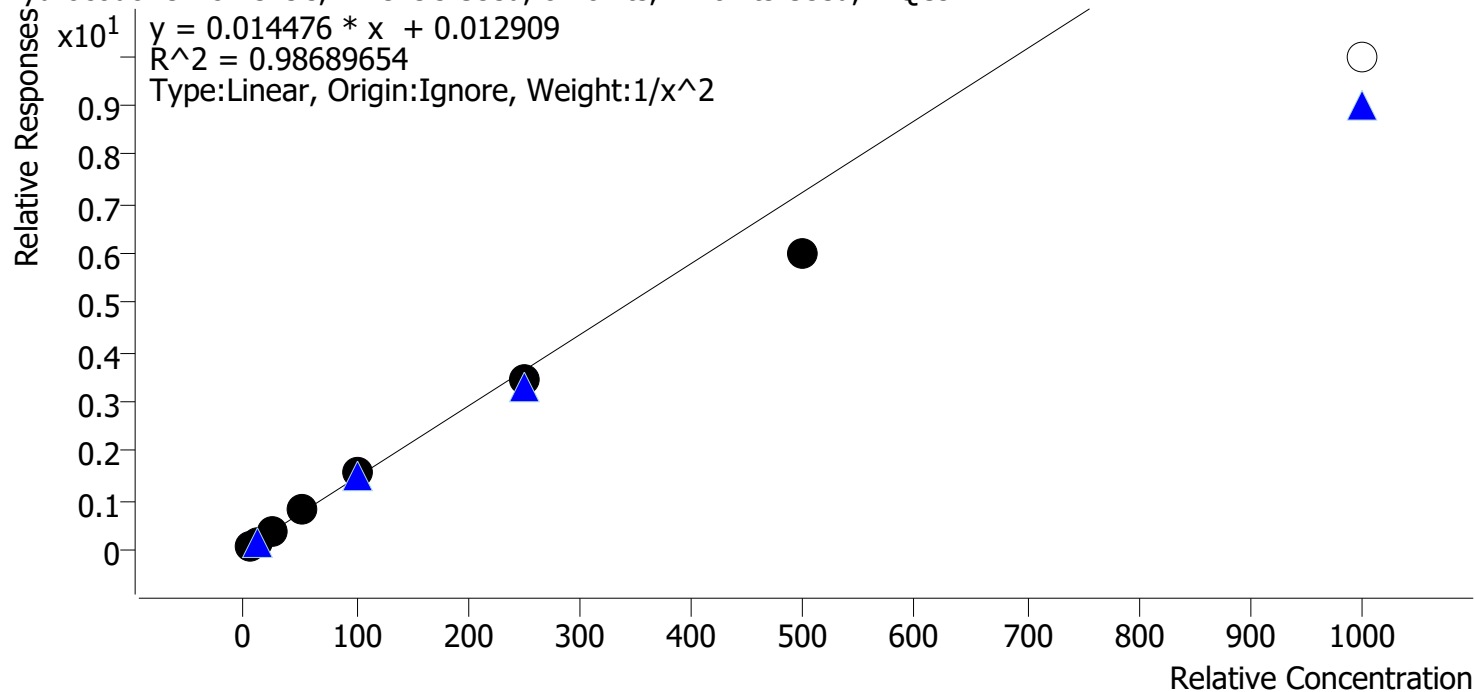
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.2	84.7
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.3	101.4
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	494.9	99.0
cal 8 mdq	8	✓	1000.0	971.8	97.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



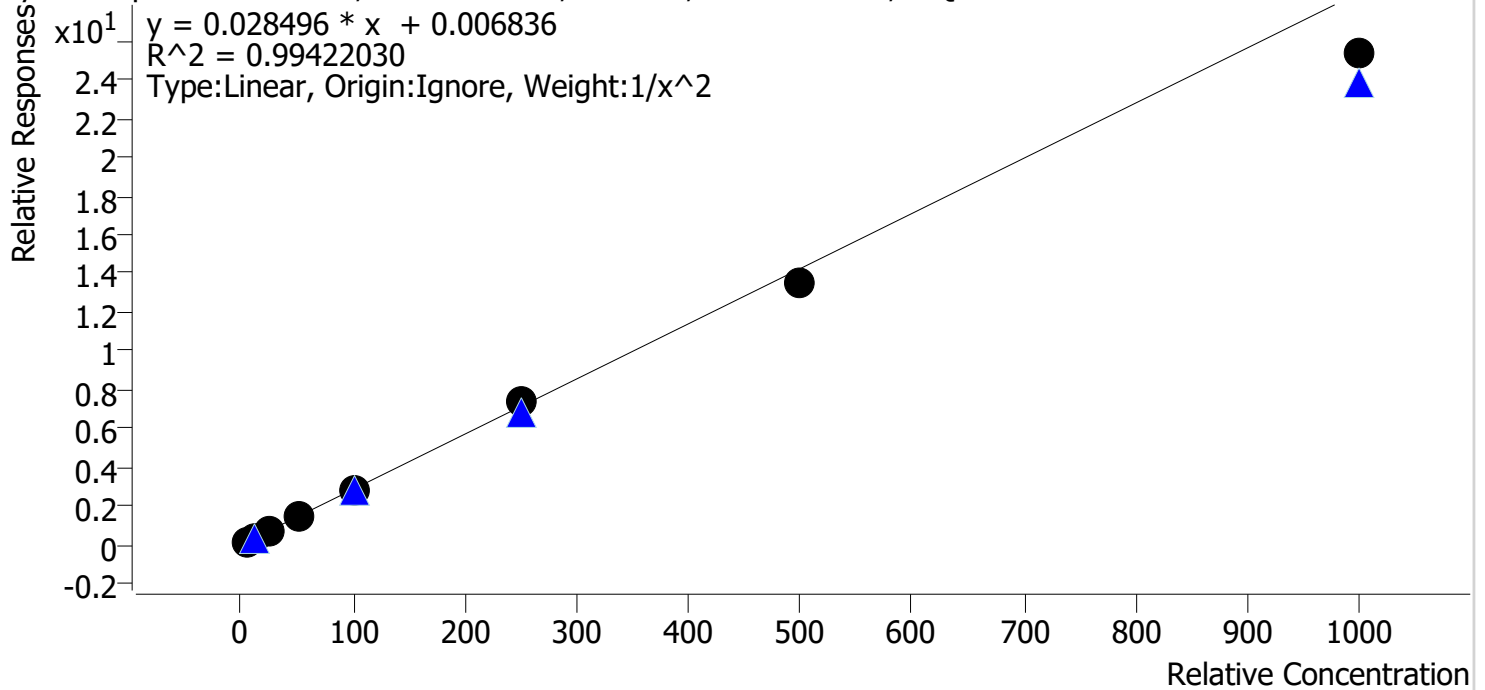
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	55.1	110.2
cal 5 mdq	5	✓	100.0	106.6	106.6
cal 6 mdq	6	✓	250.0	236.5	94.6
cal 7 mdq	7	✓	500.0	411.7	82.3
cal 8 mdq	8	✗	1000.0	687.8	68.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



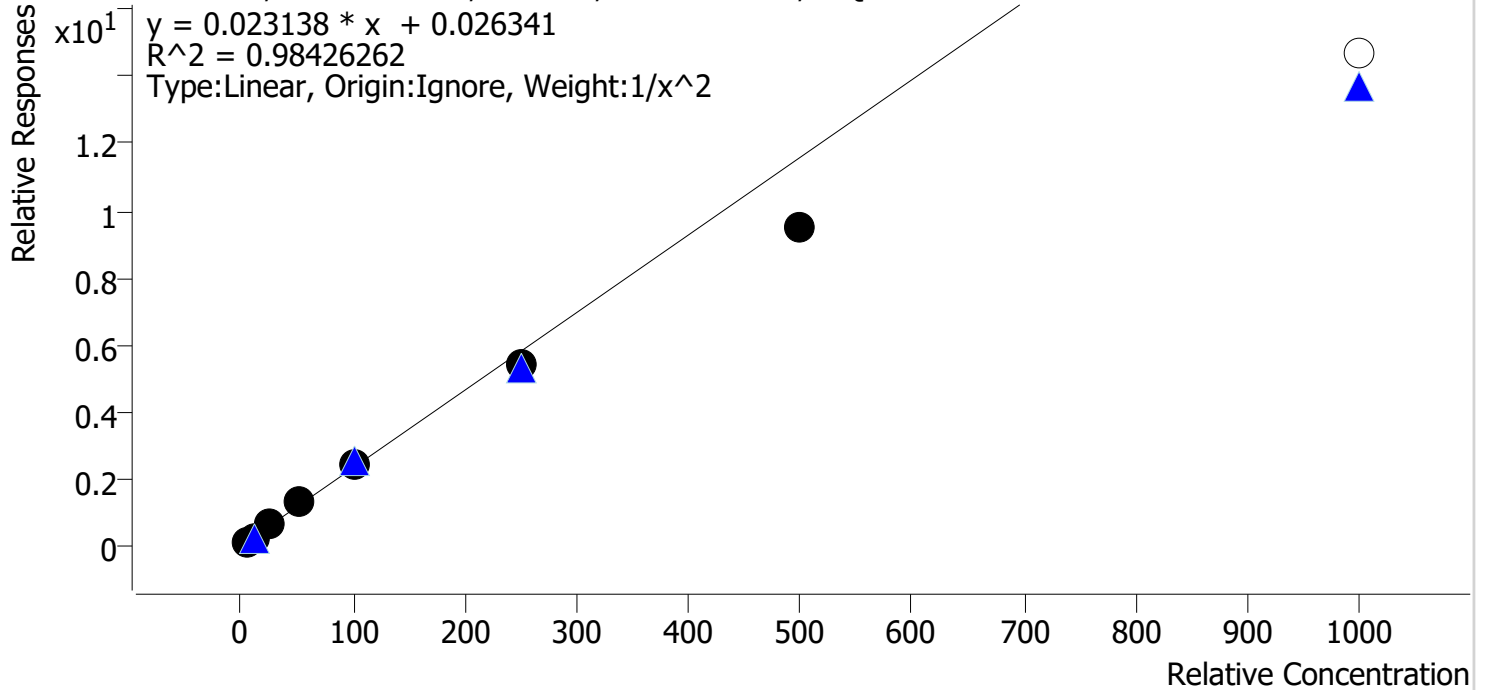
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	27.2	108.8
cal 4 mdq	4	✓	50.0	54.1	108.2
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	257.9	103.1
cal 7 mdq	7	✓	500.0	475.7	95.1
cal 8 mdq	8	✓	1000.0	889.7	89.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



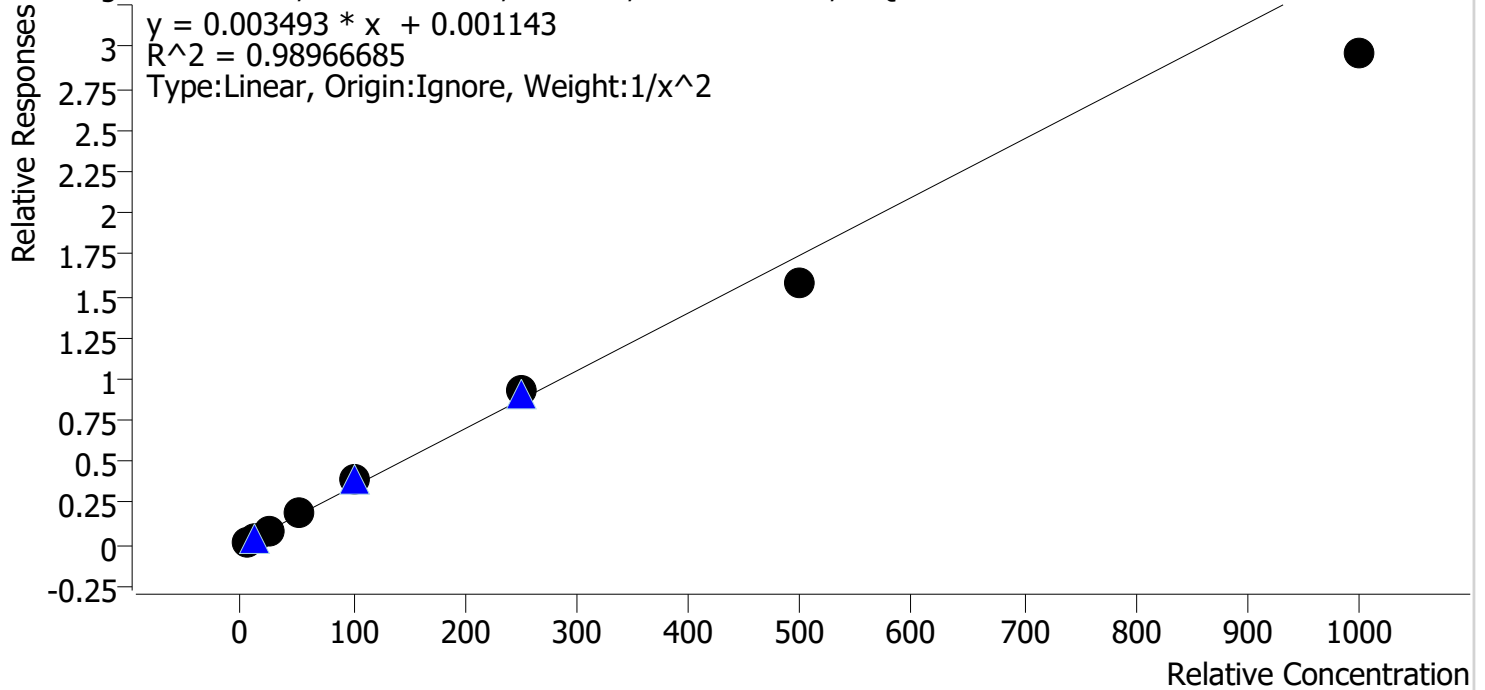
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.1
cal 2 mdq	2	✓	10.0	10.5	105.3
cal 3 mdq	3	✓	25.0	28.0	111.9
cal 4 mdq	4	✓	50.0	54.6	109.1
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	231.2	92.5
cal 7 mdq	7	✓	500.0	410.8	82.2
cal 8 mdq	8	✗	1000.0	633.6	63.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Amphetamine-D11

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



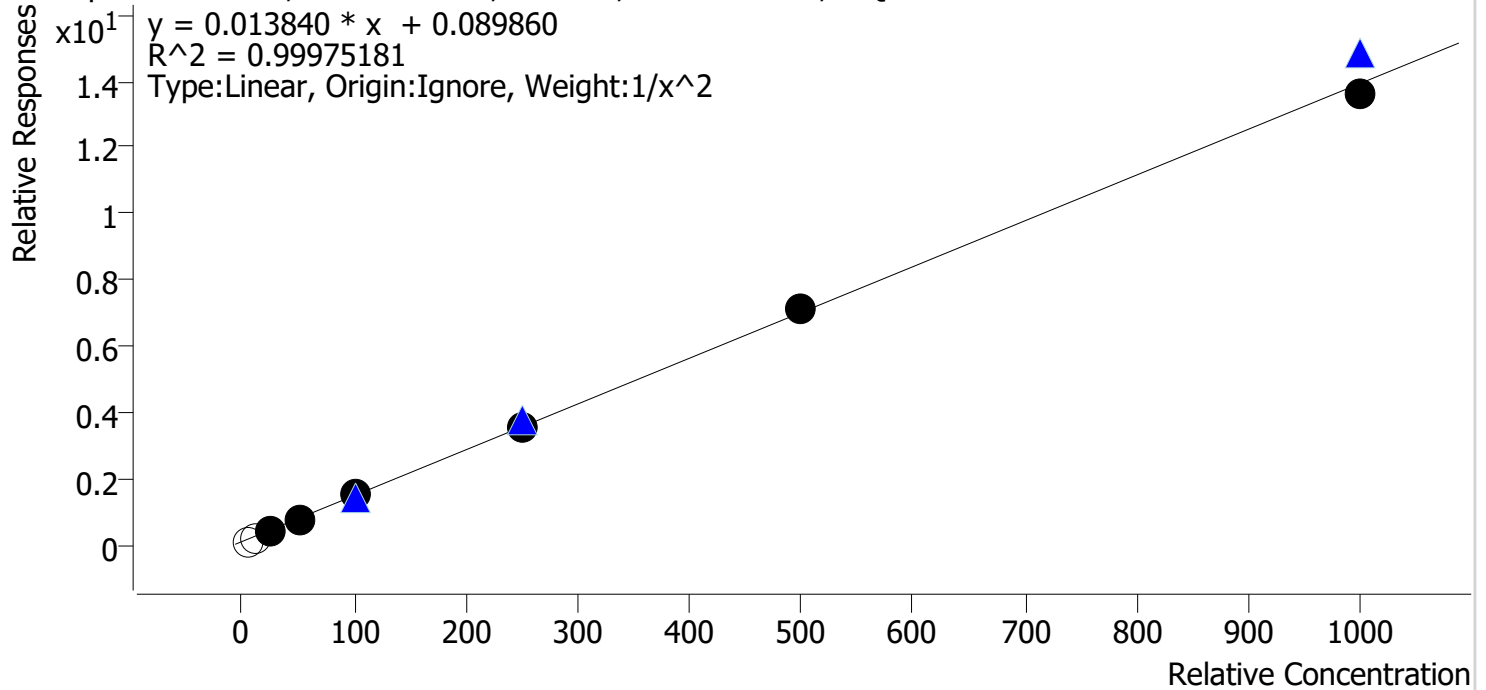
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	53.7	107.4
cal 5 mdq	5	✓	100.0	110.9	110.9
cal 6 mdq	6	✓	250.0	266.1	106.4
cal 7 mdq	7	✓	500.0	451.3	90.3
cal 8 mdq	8	✓	1000.0	847.8	84.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



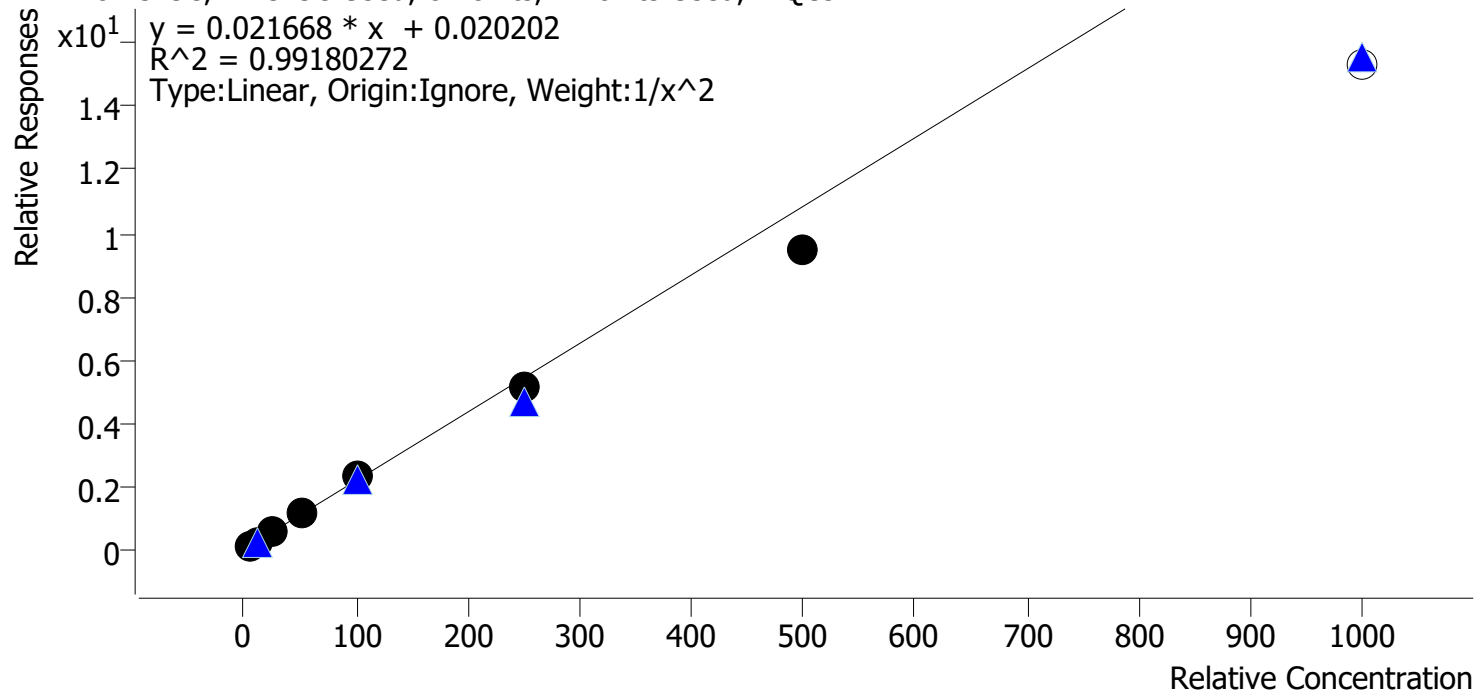
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	0.0	0.0
cal 2 mdq	2	x	10.0	4.8	48.1
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	506.9	101.4
cal 8 mdq	8	✓	1000.0	978.7	97.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



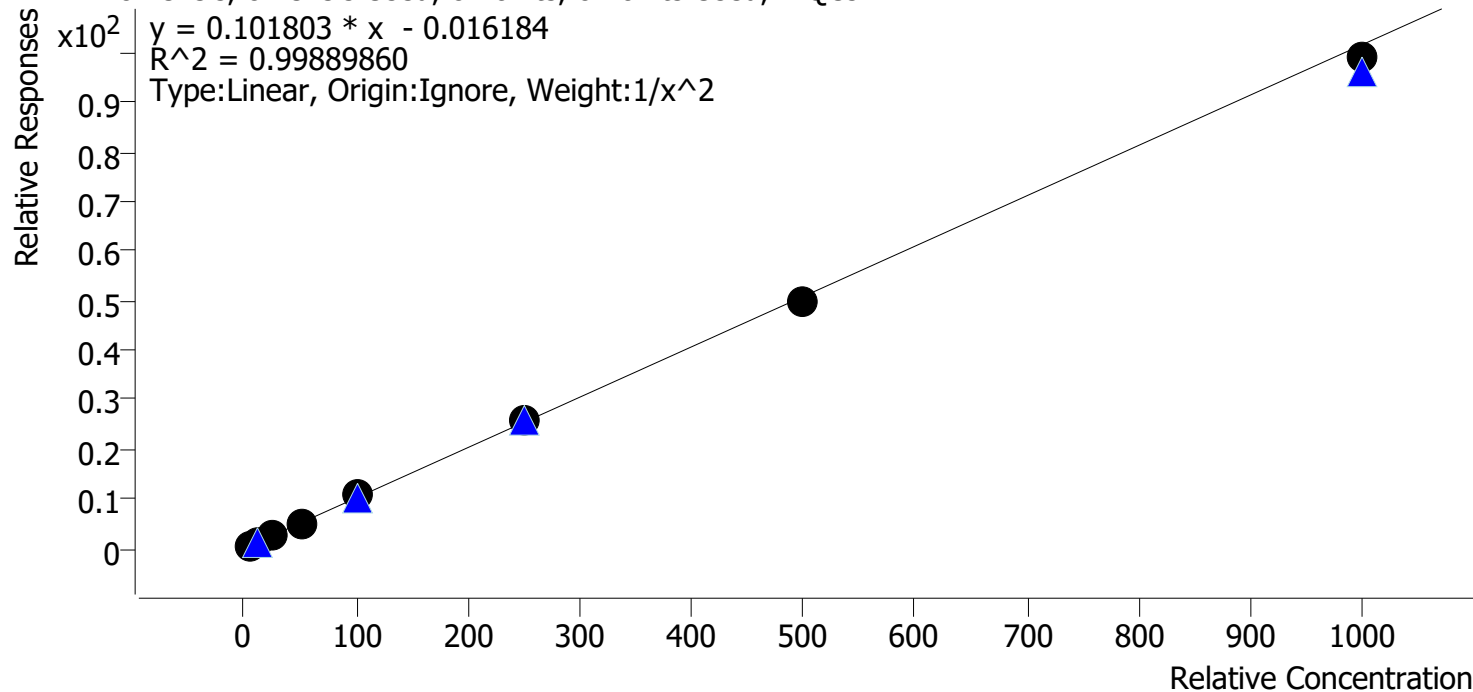
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	54.8	109.7
cal 5 mdq	5	✓	100.0	107.2	107.2
cal 6 mdq	6	✓	250.0	239.1	95.6
cal 7 mdq	7	✓	500.0	434.7	86.9
cal 8 mdq	8	✗	1000.0	706.3	70.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



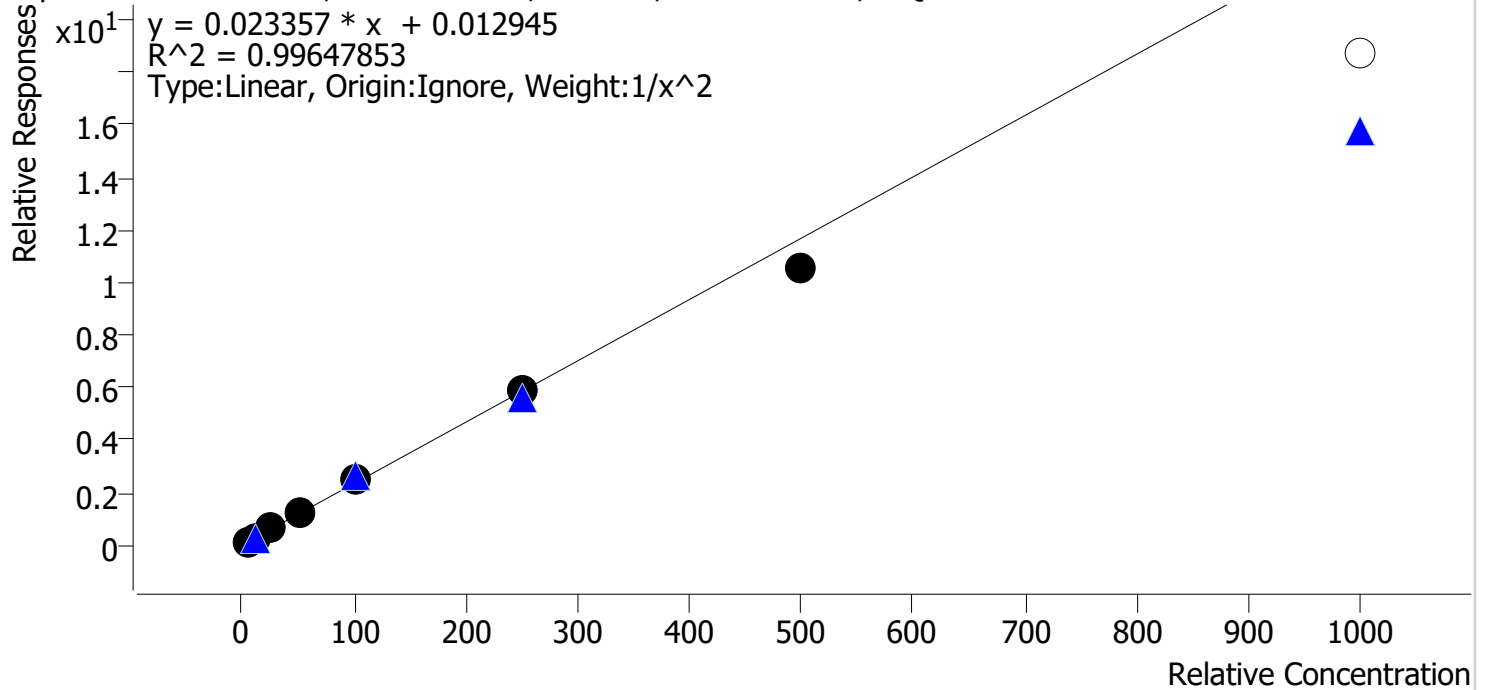
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdq	6	✓	250.0	256.9	102.8
cal 7 mdq	7	✓	500.0	489.2	97.8
cal 8 mdq	8	✓	1000.0	974.4	97.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



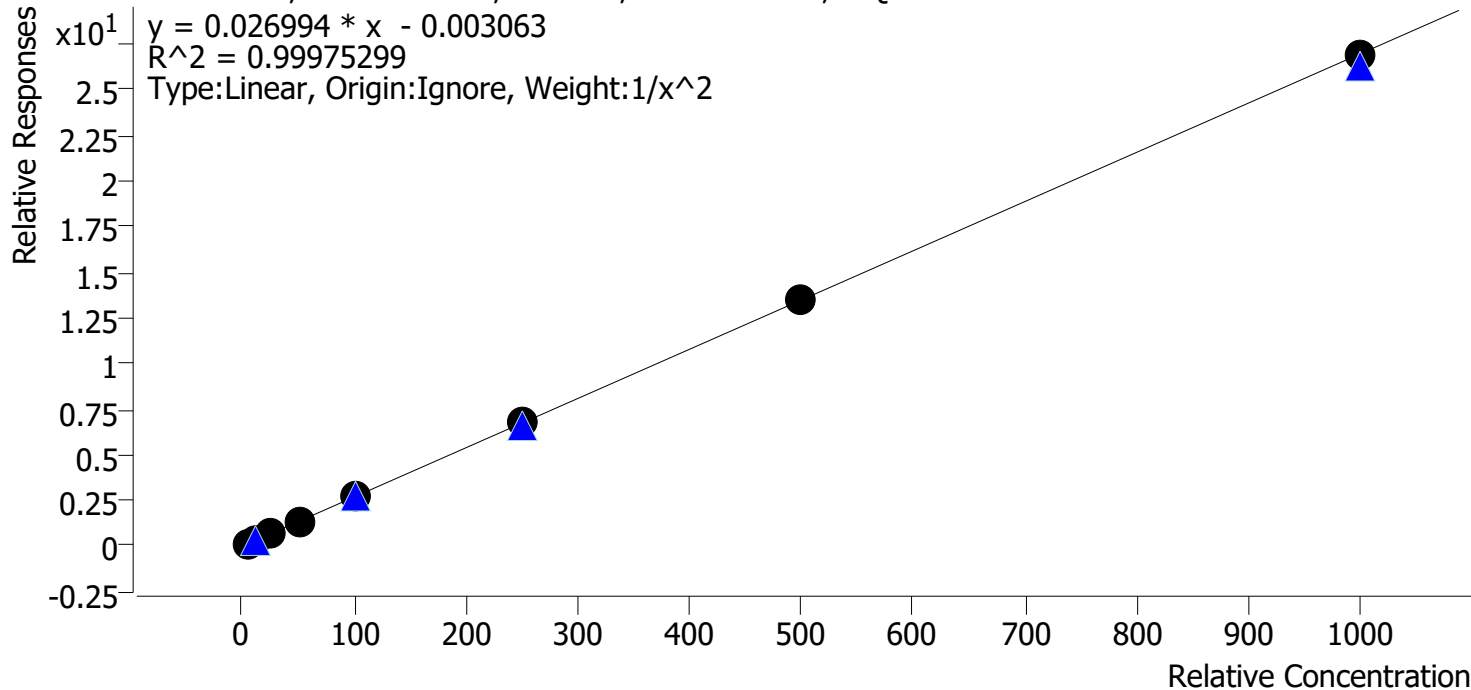
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	449.6	89.9
cal 8 mdq	8	✗	1000.0	801.1	80.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



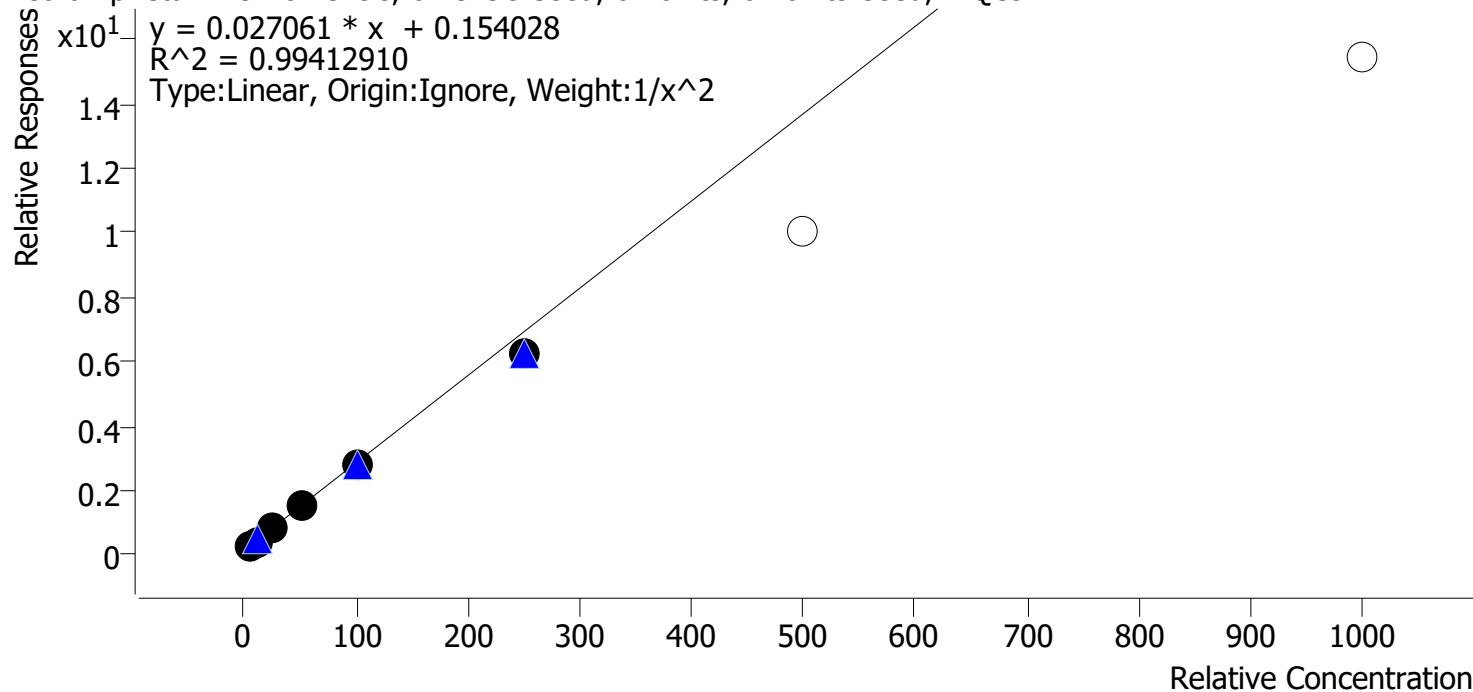
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	49.0	98.1
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	502.0	100.4
cal 8 mdq	8	✓	1000.0	996.5	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

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



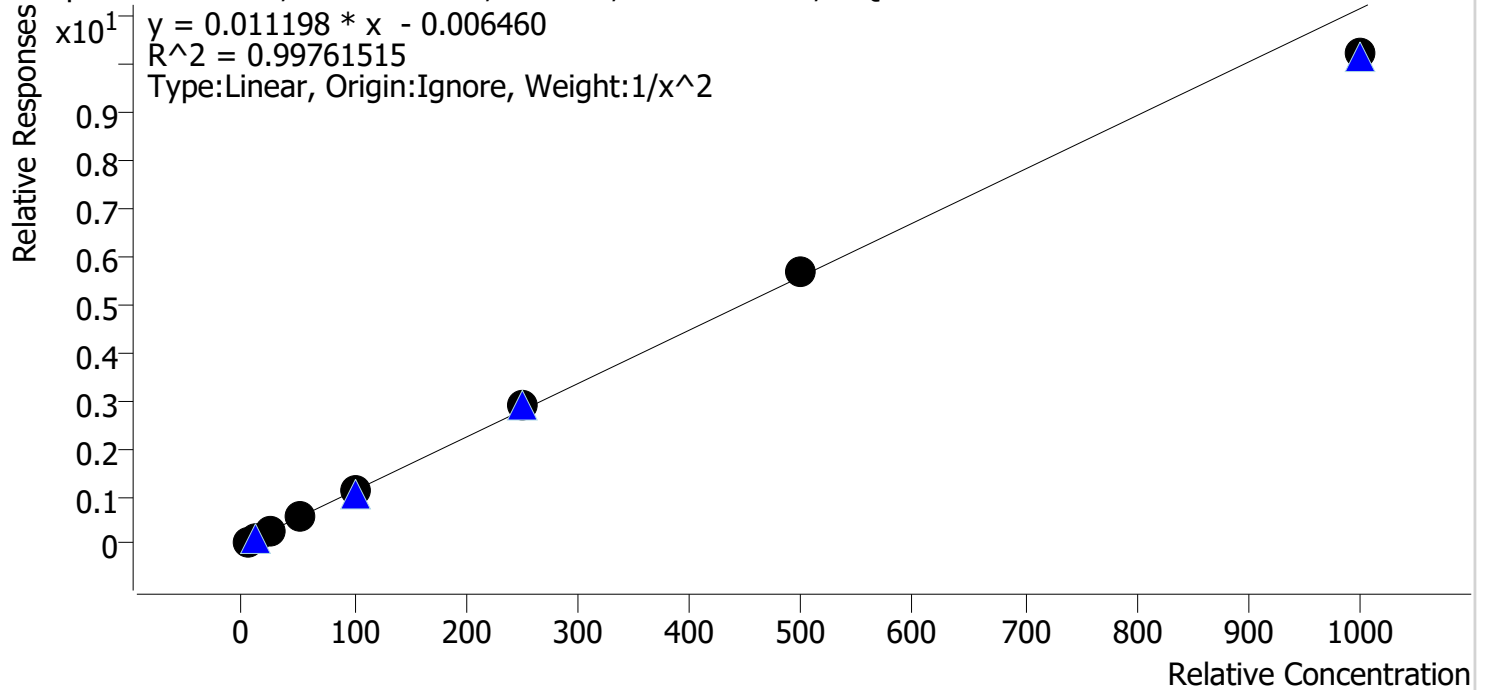
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.8
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	27.1	108.3
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	224.4	89.8
cal 7 mdq	7	✗	500.0	366.7	73.3
cal 8 mdq	8	✗	1000.0	564.3	56.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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



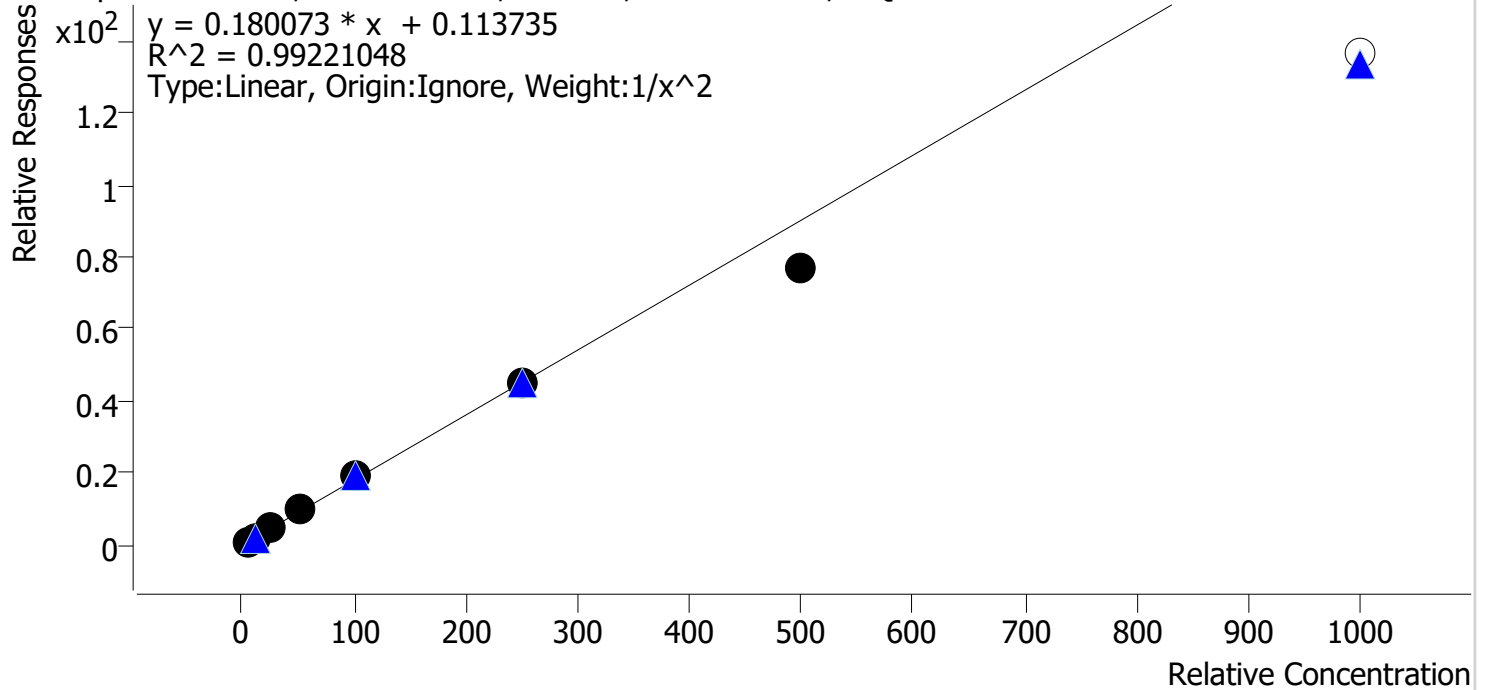
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	24.3	97.4
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	262.9	105.2
cal 7 mdq	7	✓	500.0	508.3	101.7
cal 8 mdq	8	✓	1000.0	915.9	91.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** MDMA-D6

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



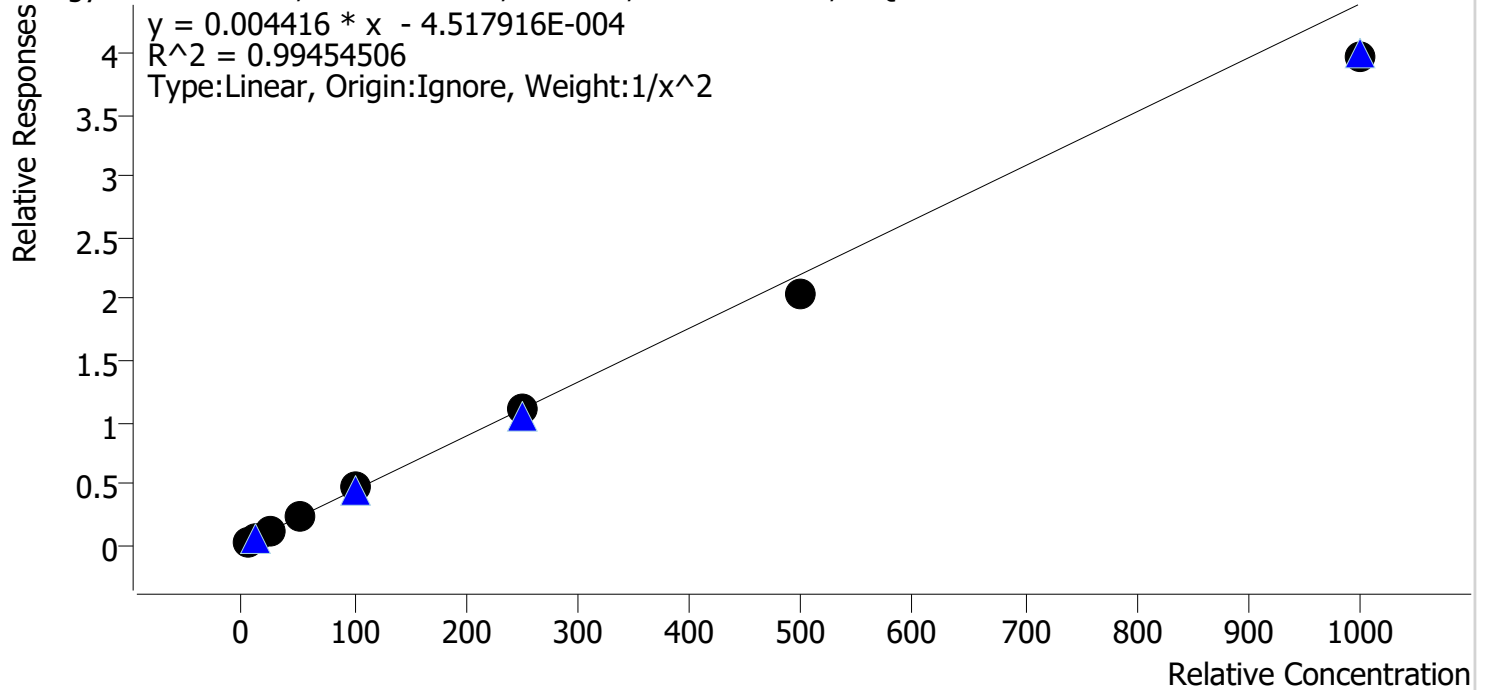
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	102.3
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	53.3	106.5
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	249.1	99.6
cal 7 mdq	7	✓	500.0	423.5	84.7
cal 8 mdq	8	x	1000.0	756.4	75.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Pseudoephedrine-D3

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



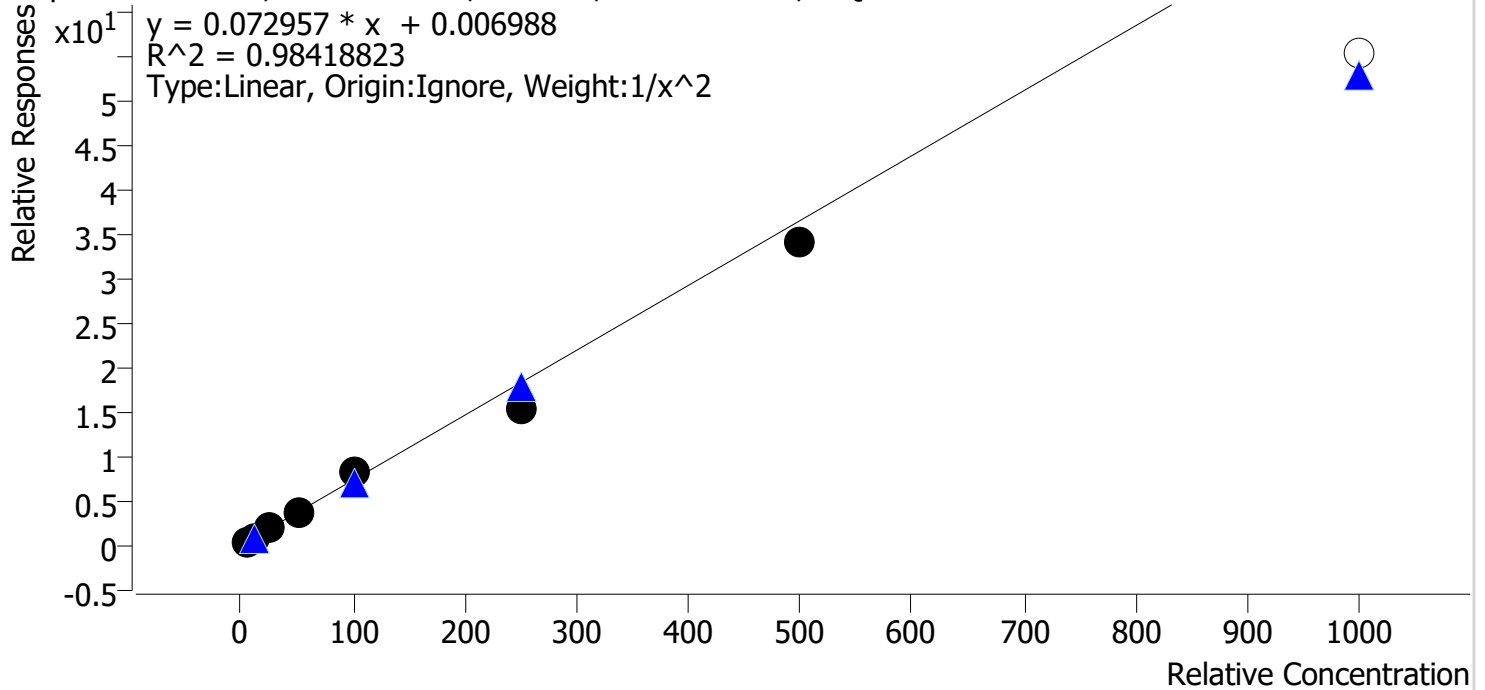
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	27.6	110.4
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	464.0	92.8
cal 8 mdq	8	✓	1000.0	904.8	90.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



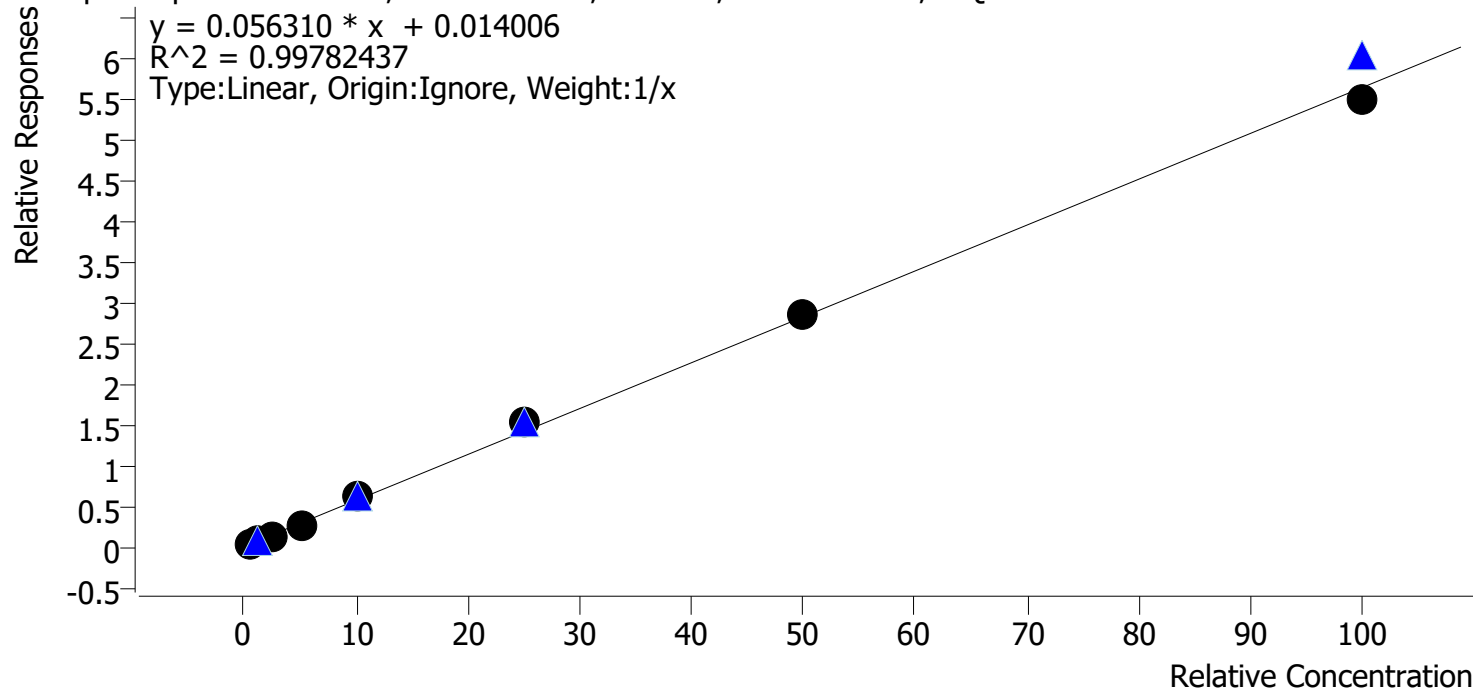
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	28.9	115.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	111.7	111.7
cal 6 mdq	6	✓	250.0	209.8	83.9
cal 7 mdq	7	✓	500.0	467.0	93.4
cal 8 mdq	8	✗	1000.0	757.1	75.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



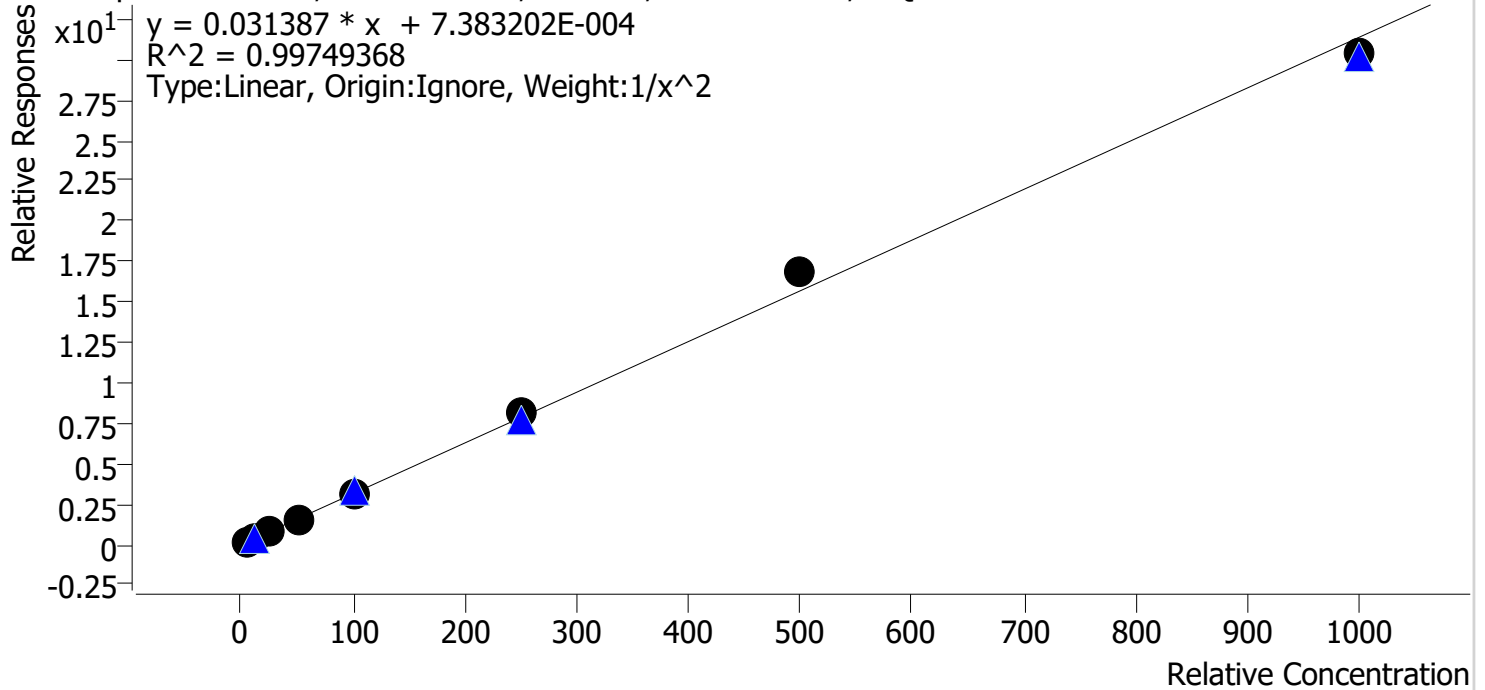
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	106.1
cal 2 mdq	2	✓	1.0	0.9	92.9
cal 3 mdq	3	✓	2.5	2.3	91.3
cal 4 mdq	4	✓	5.0	4.8	96.1
cal 5 mdq	5	✓	10.0	10.7	106.5
cal 6 mdq	6	✓	25.0	27.4	109.6
cal 7 mdq	7	✓	50.0	50.2	100.3
cal 8 mdq	8	✓	100.0	97.2	97.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



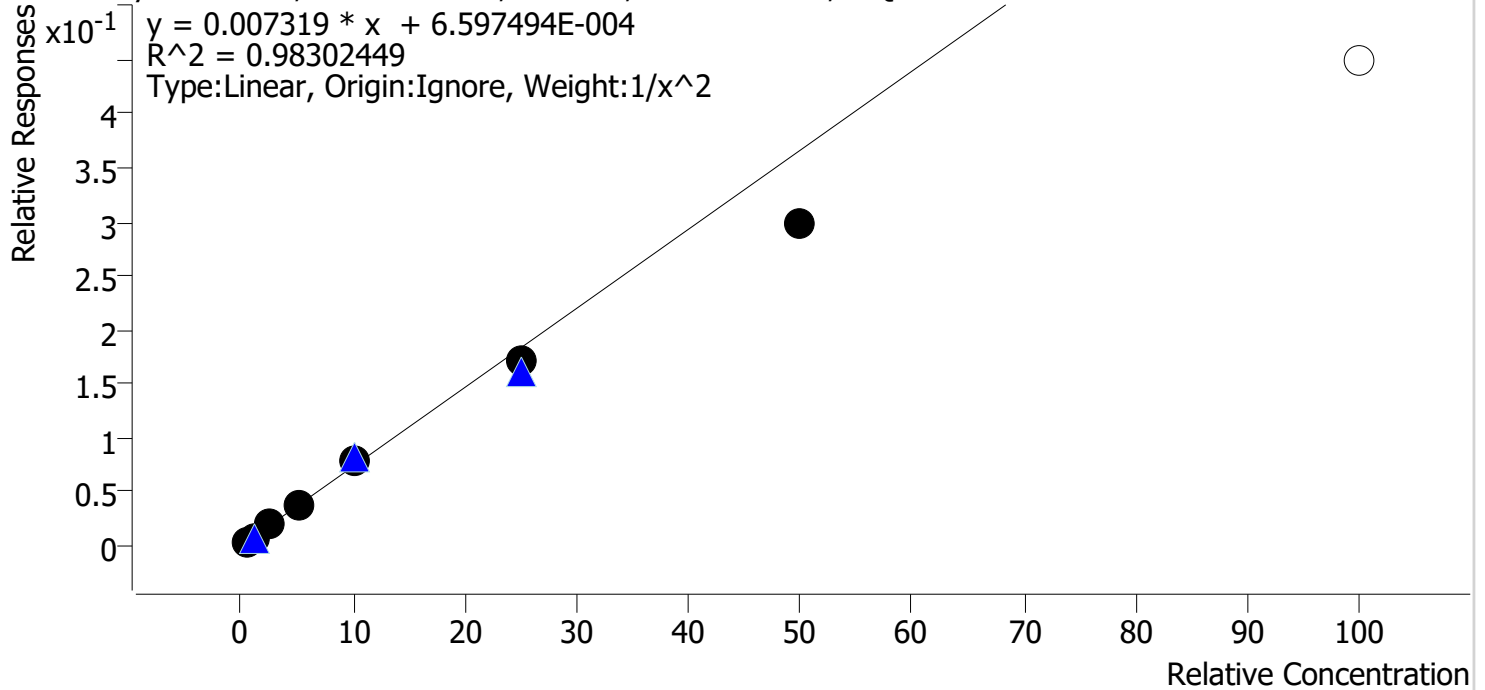
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.4
cal 2 mdq	2	✓	10.0	9.4	93.9
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	48.3	96.6
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	536.1	107.2
cal 8 mdq	8	✓	1000.0	967.8	96.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



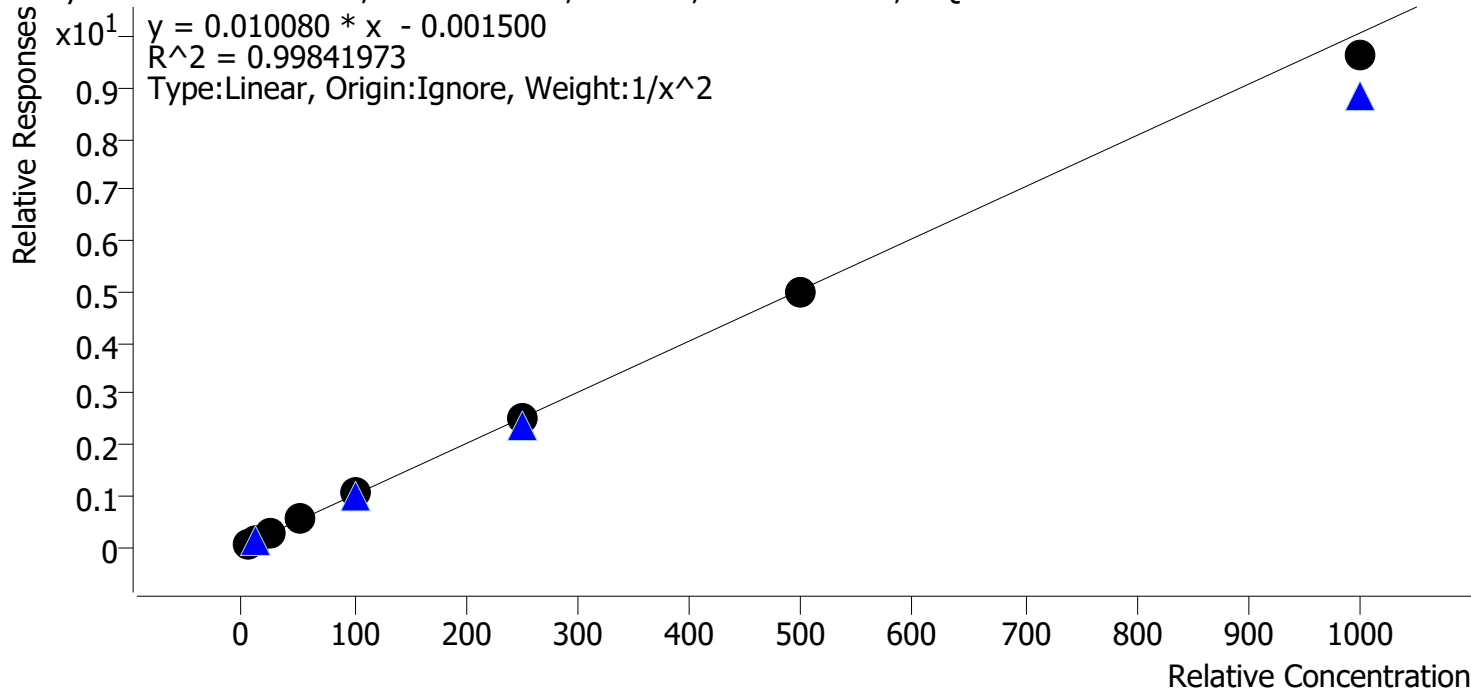
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	95.2
cal 2 mdq	2	✓	1.0	1.0	102.6
cal 3 mdq	3	✓	2.5	2.9	115.4
cal 4 mdq	4	✓	5.0	5.2	103.0
cal 5 mdq	5	✓	10.0	10.9	108.5
cal 6 mdq	6	✓	25.0	23.6	94.2
cal 7 mdq	7	✓	50.0	40.5	81.0
cal 8 mdq	8	x	100.0	61.4	61.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



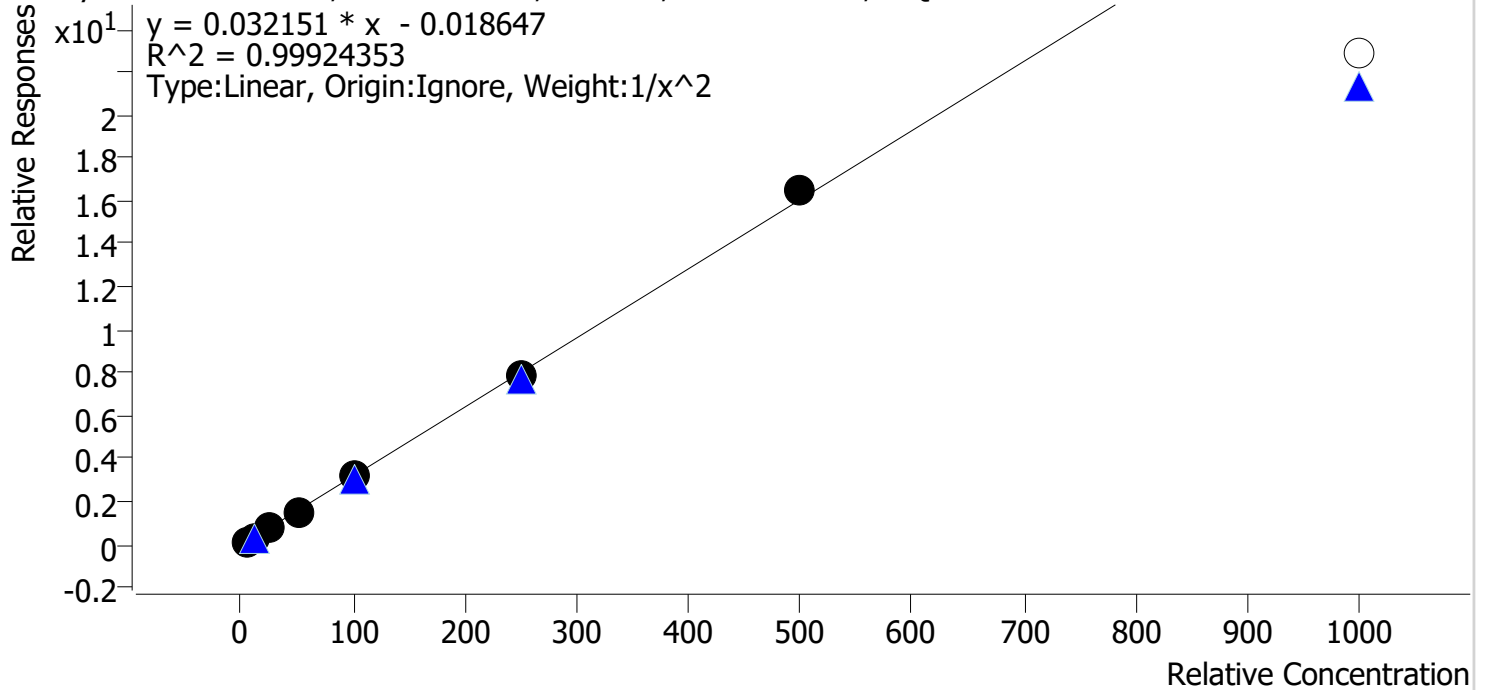
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	955.8	95.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

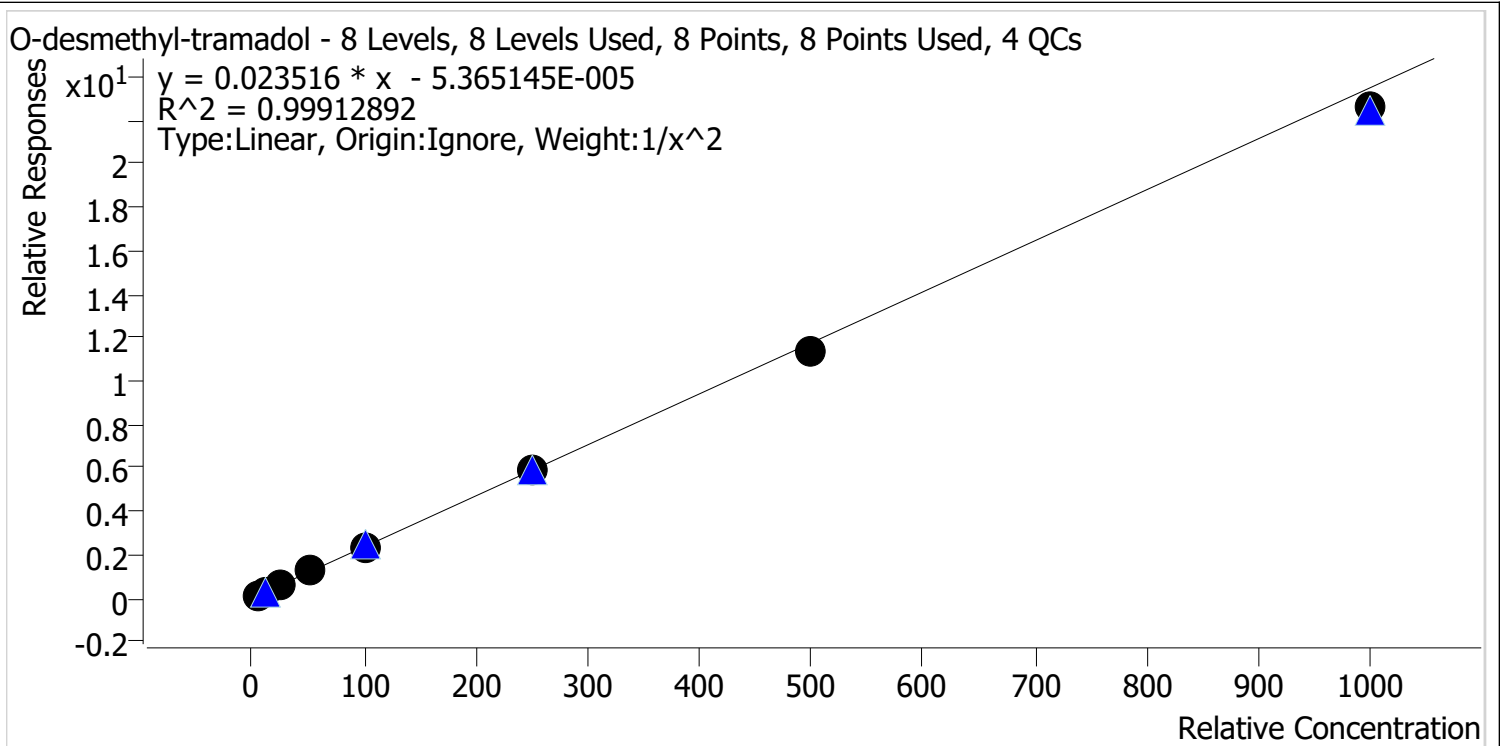


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	247.9	99.1
cal 7 mdq	7	✓	500.0	512.3	102.5
cal 8 mdq	8	✗	1000.0	711.3	71.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



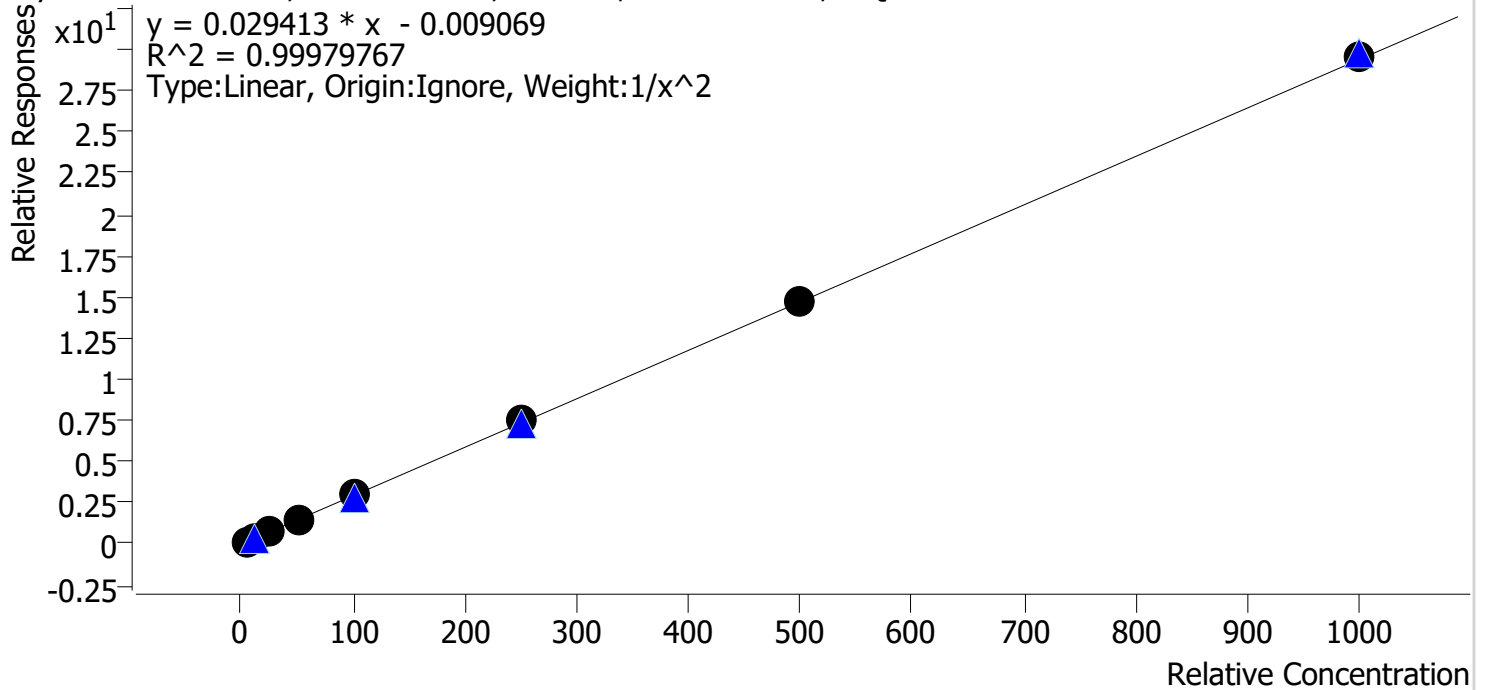
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	51.1	102.1
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	486.2	97.2
cal 8 mdq	8	✓	1000.0	961.7	96.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



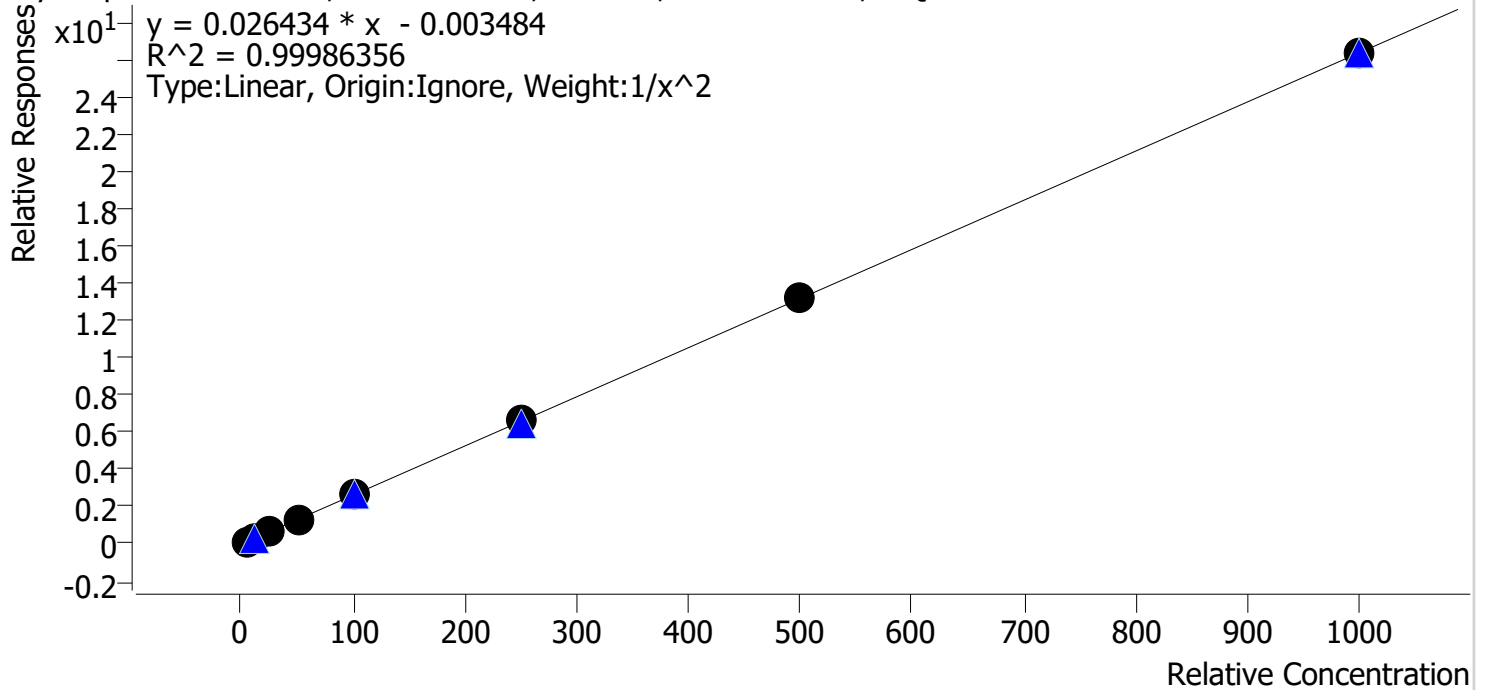
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	500.6	100.1
cal 8 mdq	8	✓	1000.0	1008.5	100.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



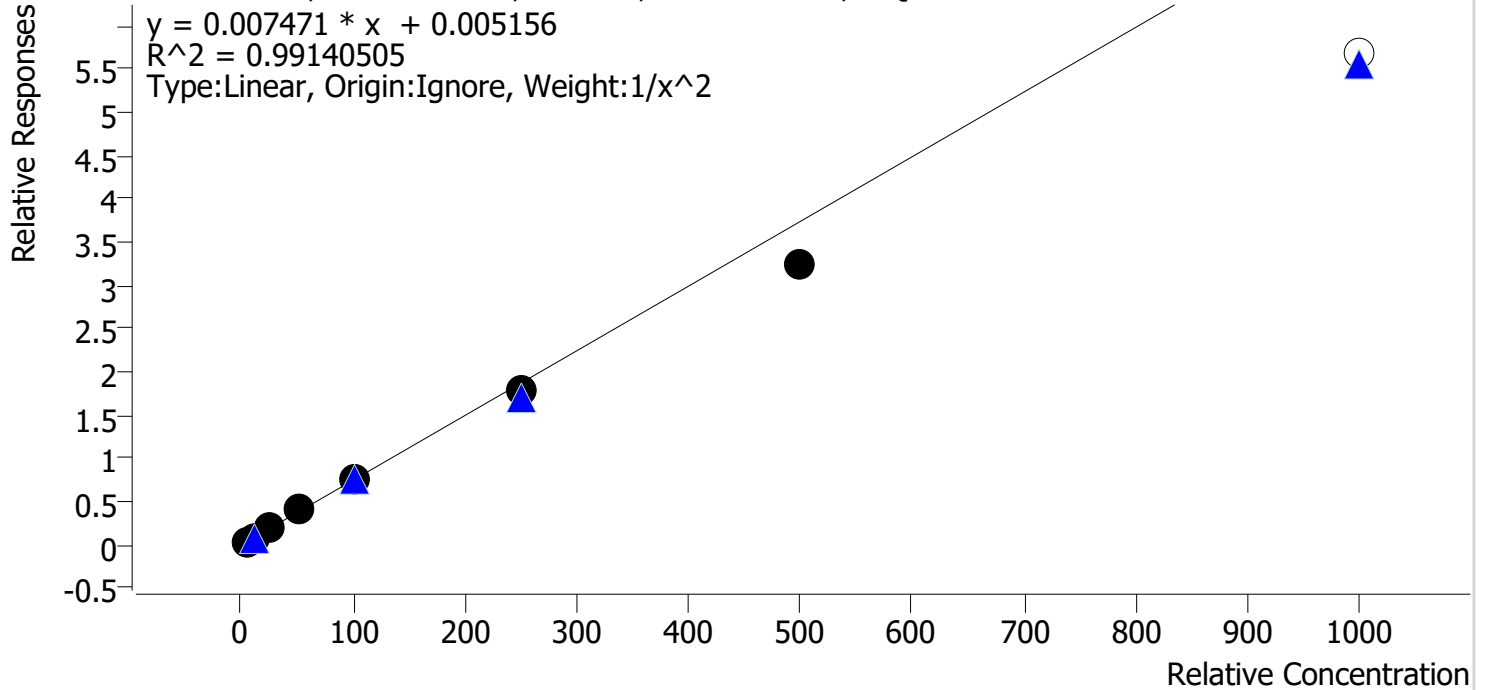
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	500.5	100.1
cal 8 mdq	8	✓	1000.0	998.2	99.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



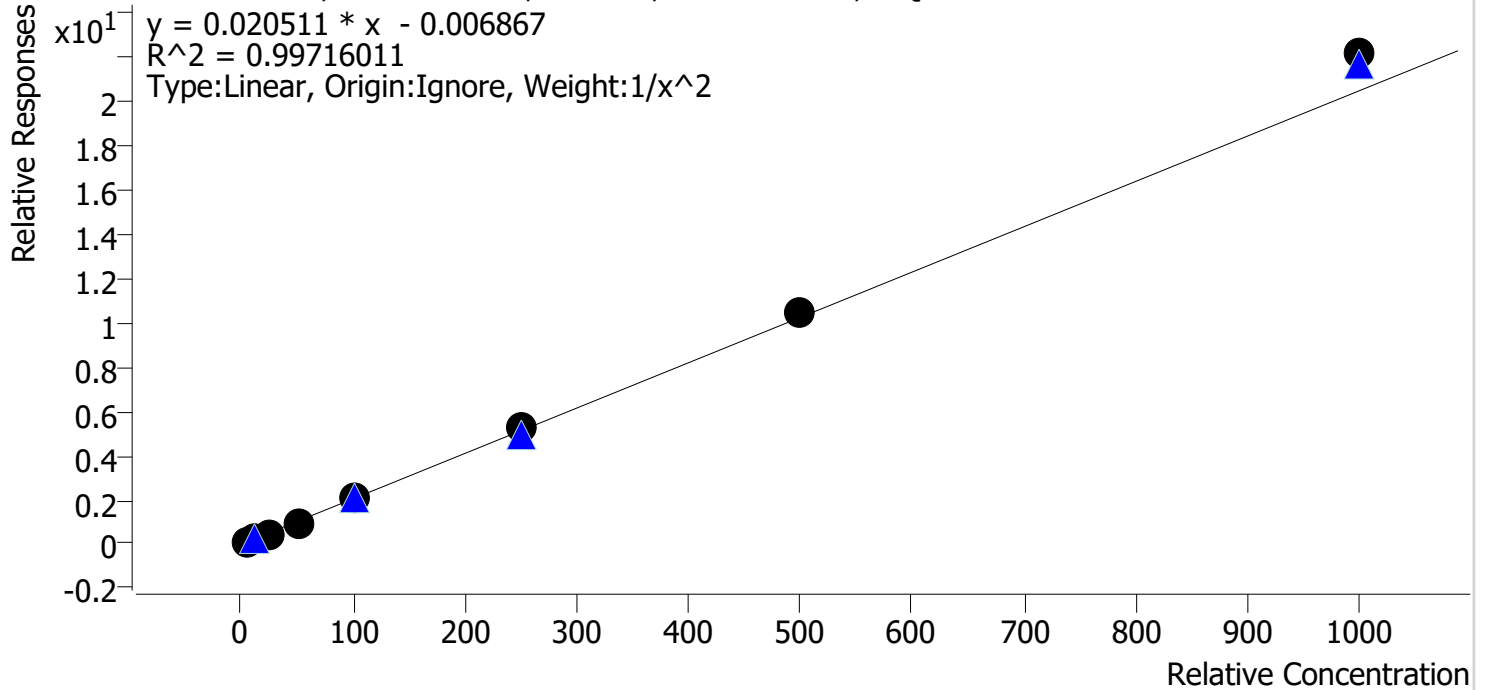
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.0
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	26.9	107.5
cal 4 mdq	4	✓	50.0	53.9	107.7
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	237.5	95.0
cal 7 mdq	7	✓	500.0	431.6	86.3
cal 8 mdq	8	x	1000.0	759.5	76.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



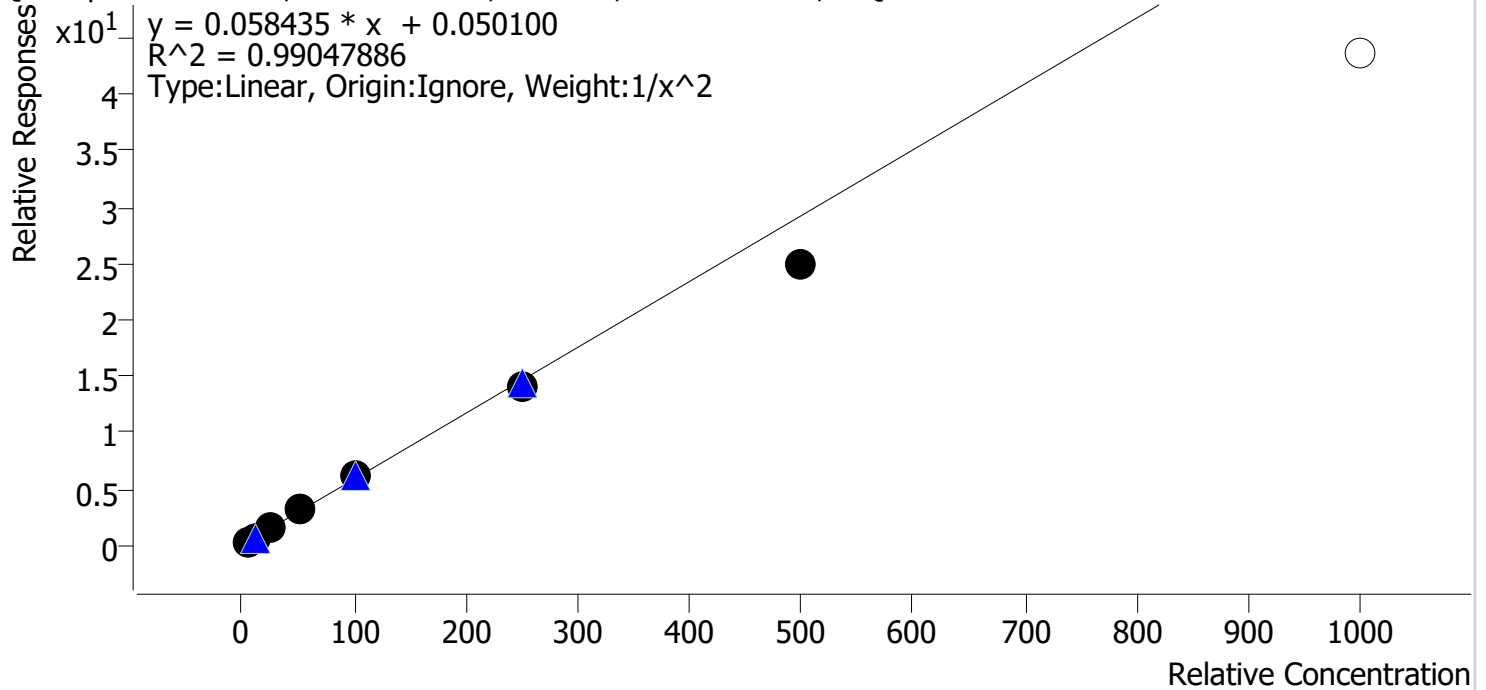
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	103.0
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	23.6	94.4
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	510.3	102.1
cal 8 mdq	8	✓	1000.0	1082.1	108.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



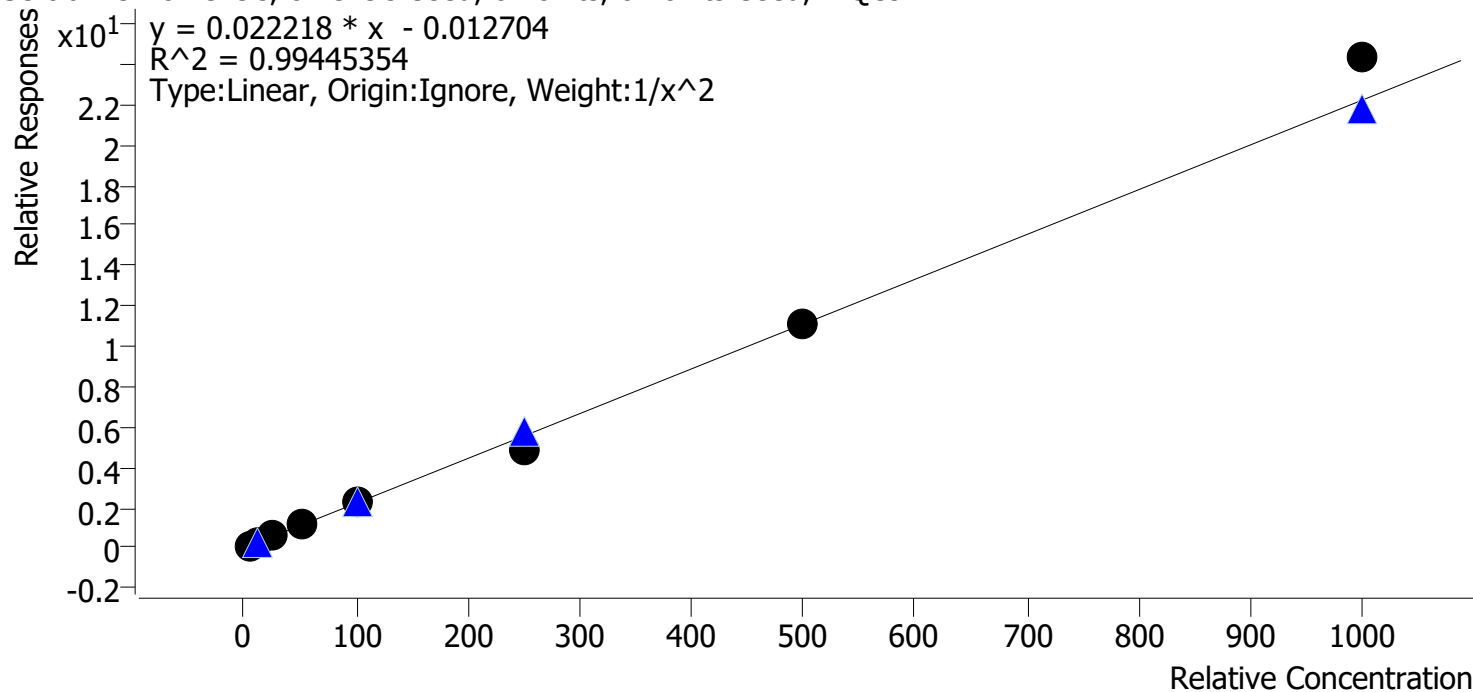
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	26.8	107.1
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	241.0	96.4
cal 7 mdq	7	✓	500.0	424.3	84.9
cal 8 mdq	8	✗	1000.0	746.1	74.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



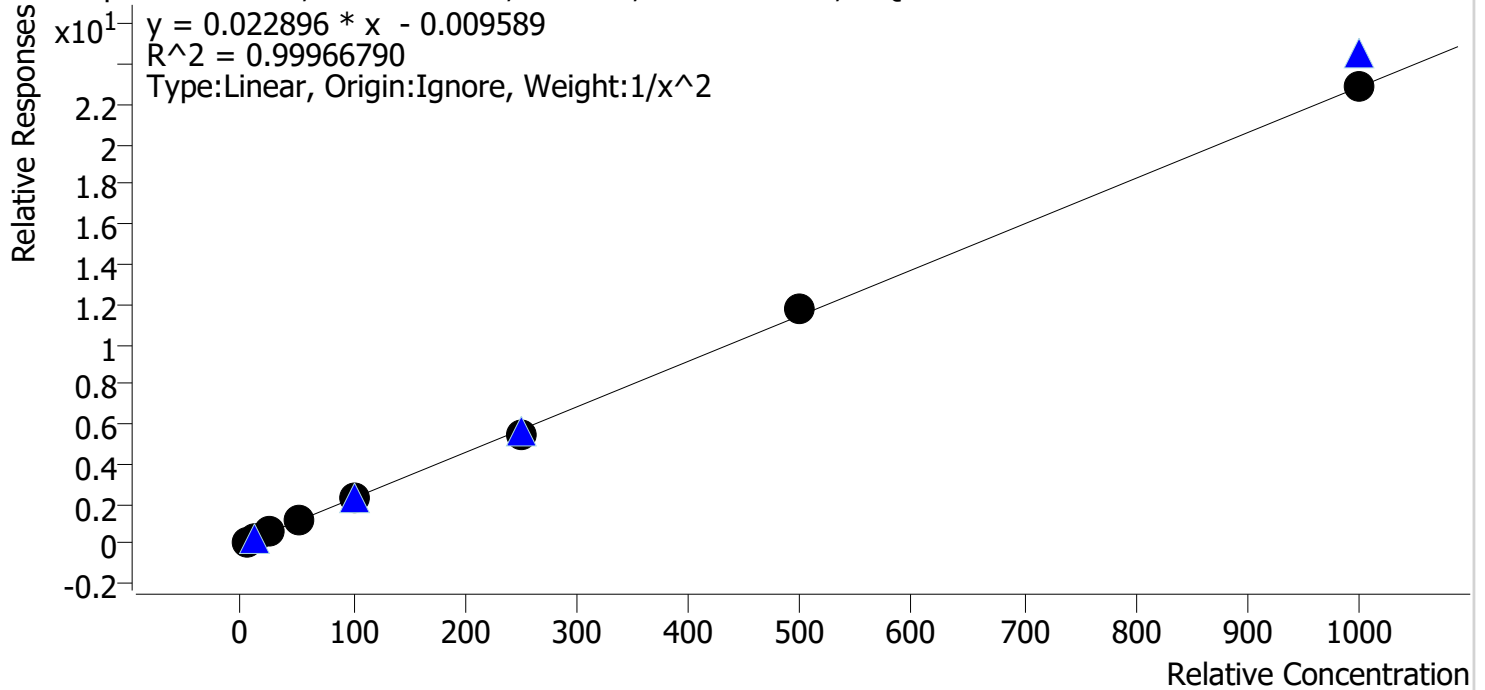
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	218.1	87.3
cal 7 mdq	7	✓	500.0	497.2	99.4
cal 8 mdq	8	✓	1000.0	1095.0	109.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



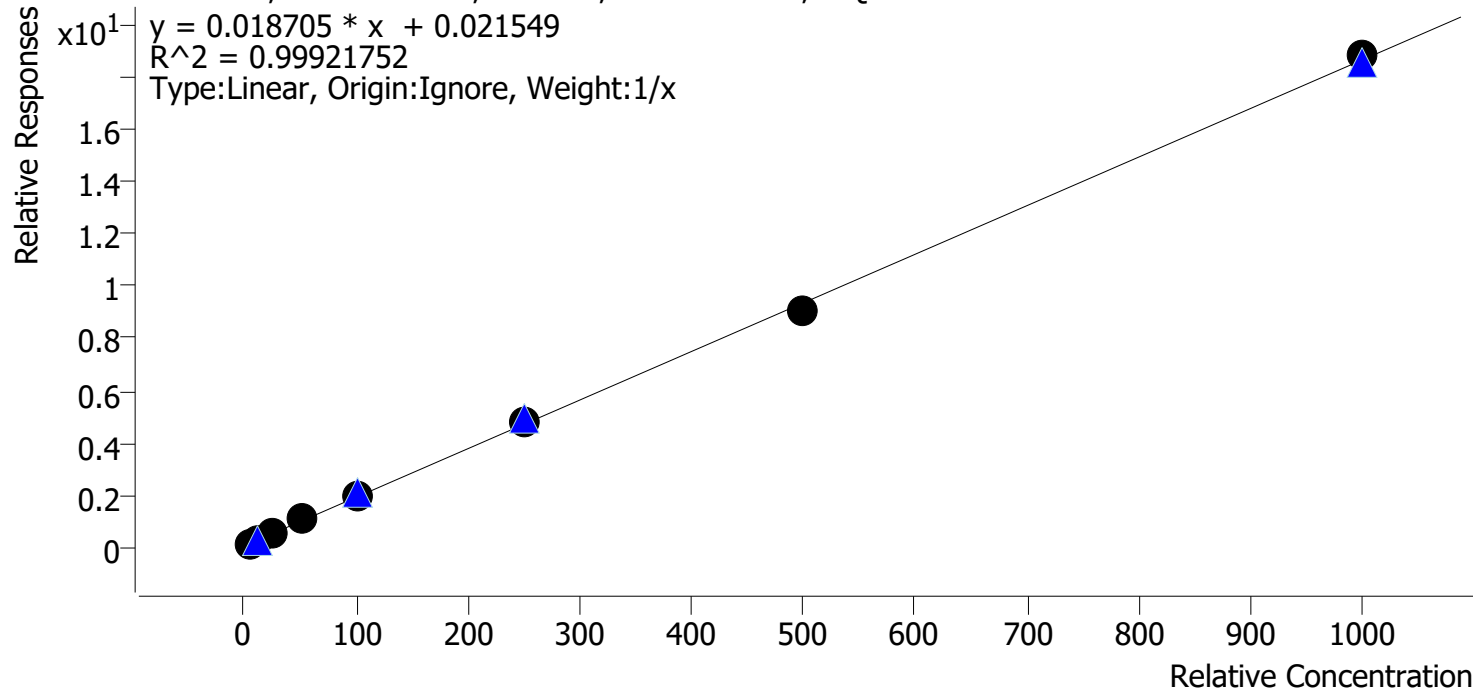
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	49.4	98.7
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	242.9	97.2
cal 7 mdq	7	✓	500.0	512.5	102.5
cal 8 mdq	8	✓	1000.0	1005.3	100.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



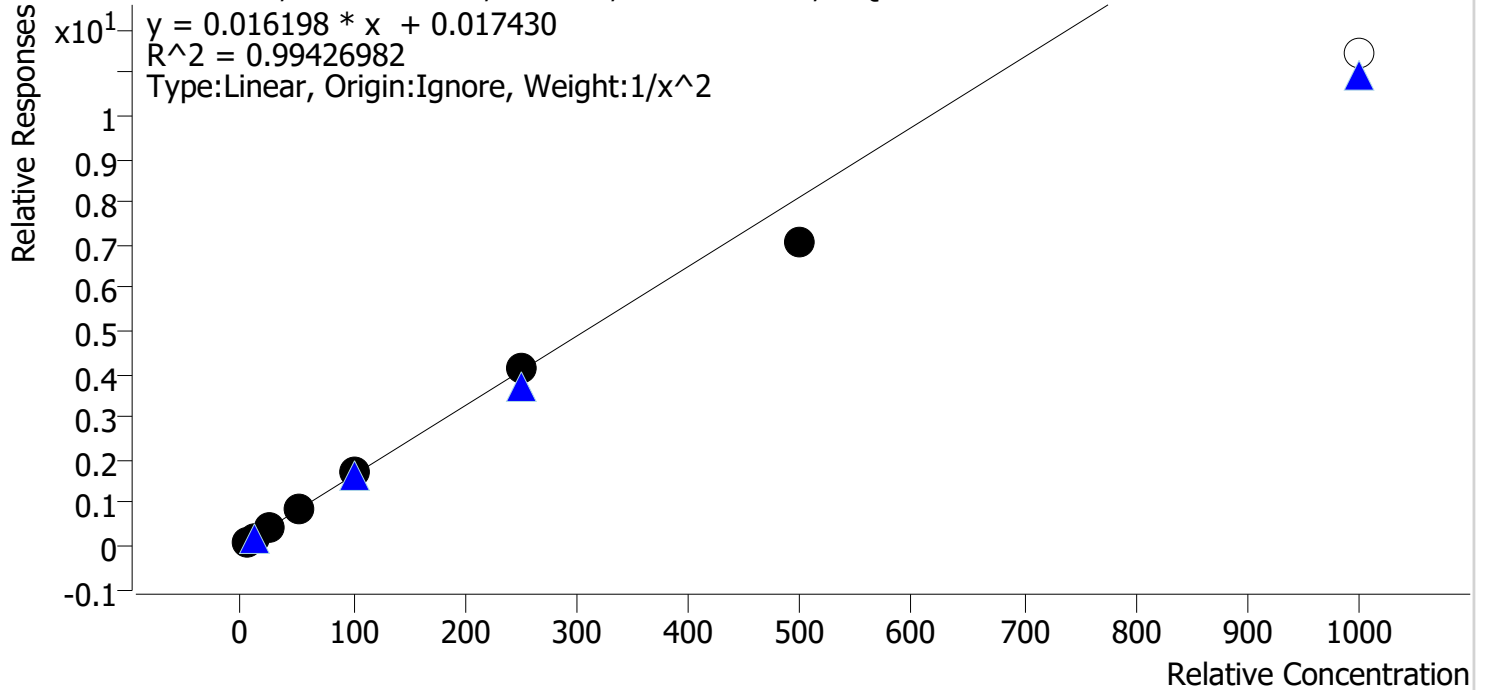
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	87.0
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	26.4	105.8
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	251.1	100.5
cal 7 mdq	7	✓	500.0	481.3	96.3
cal 8 mdq	8	✓	1000.0	1009.0	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

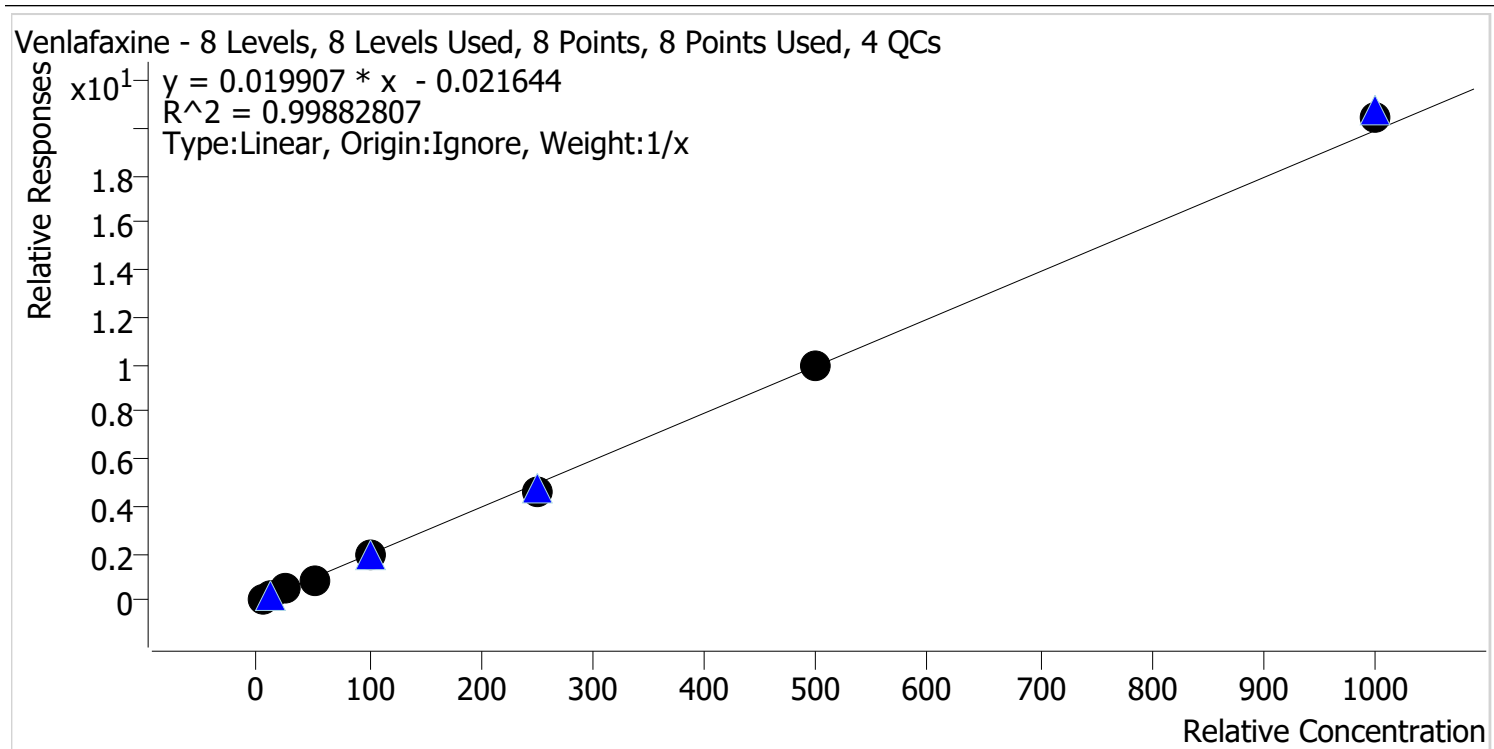


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	26.4	105.5
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	252.6	101.1
cal 7 mdq	7	✓	500.0	434.1	86.8
cal 8 mdq	8	✗	1000.0	705.4	70.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



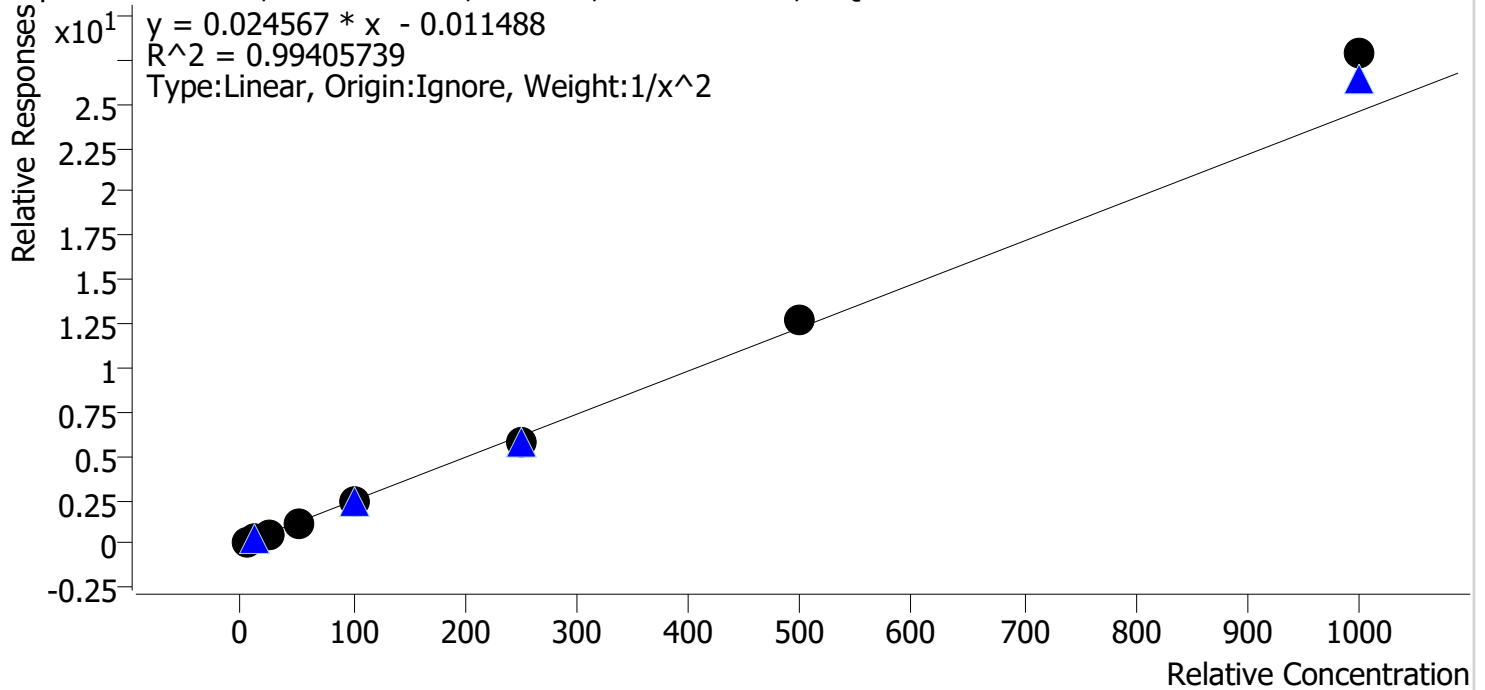
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	115.0
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	47.2	94.4
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	234.3	93.7
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	1024.8	102.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	46.8	93.6
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	233.1	93.3
cal 7 mdq	7	✓	500.0	519.7	103.9
cal 8 mdq	8	✓	1000.0	1133.6	113.4

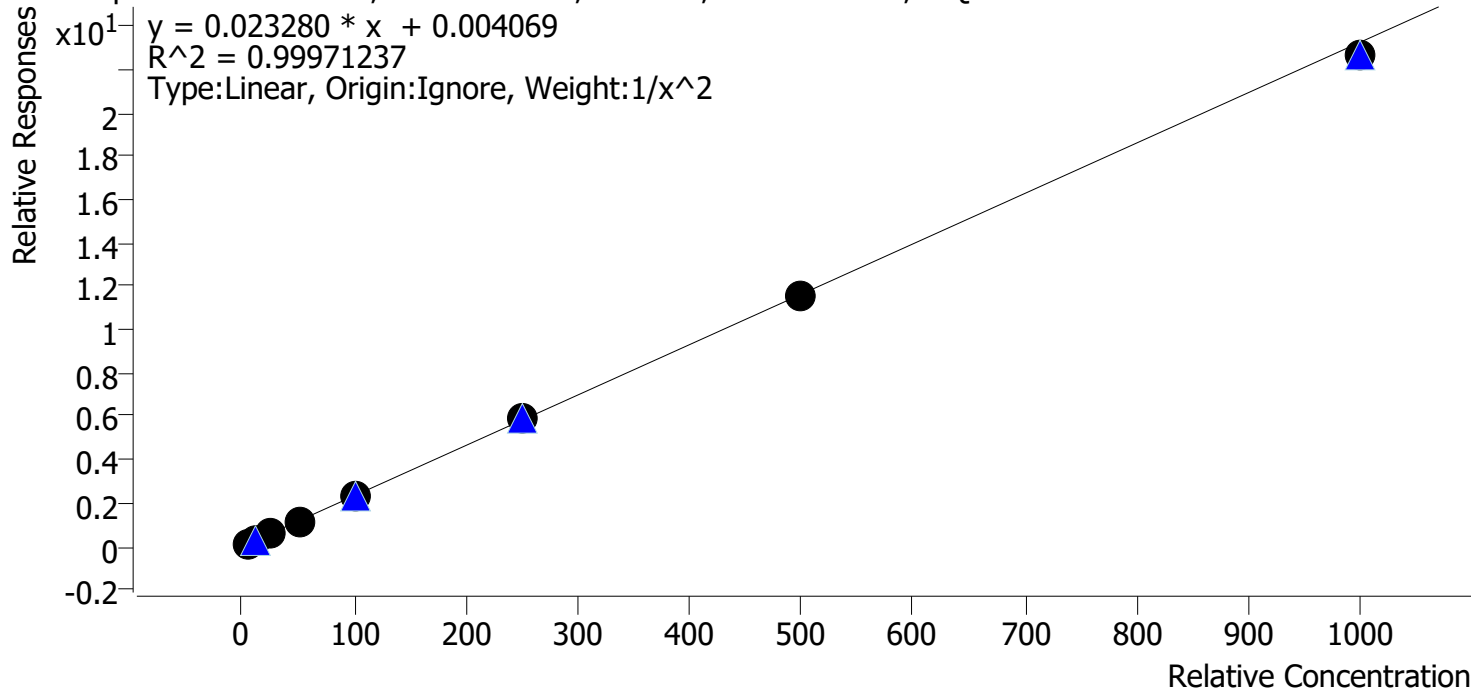
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine

Internal Standard Pseudoephedrine-D3

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



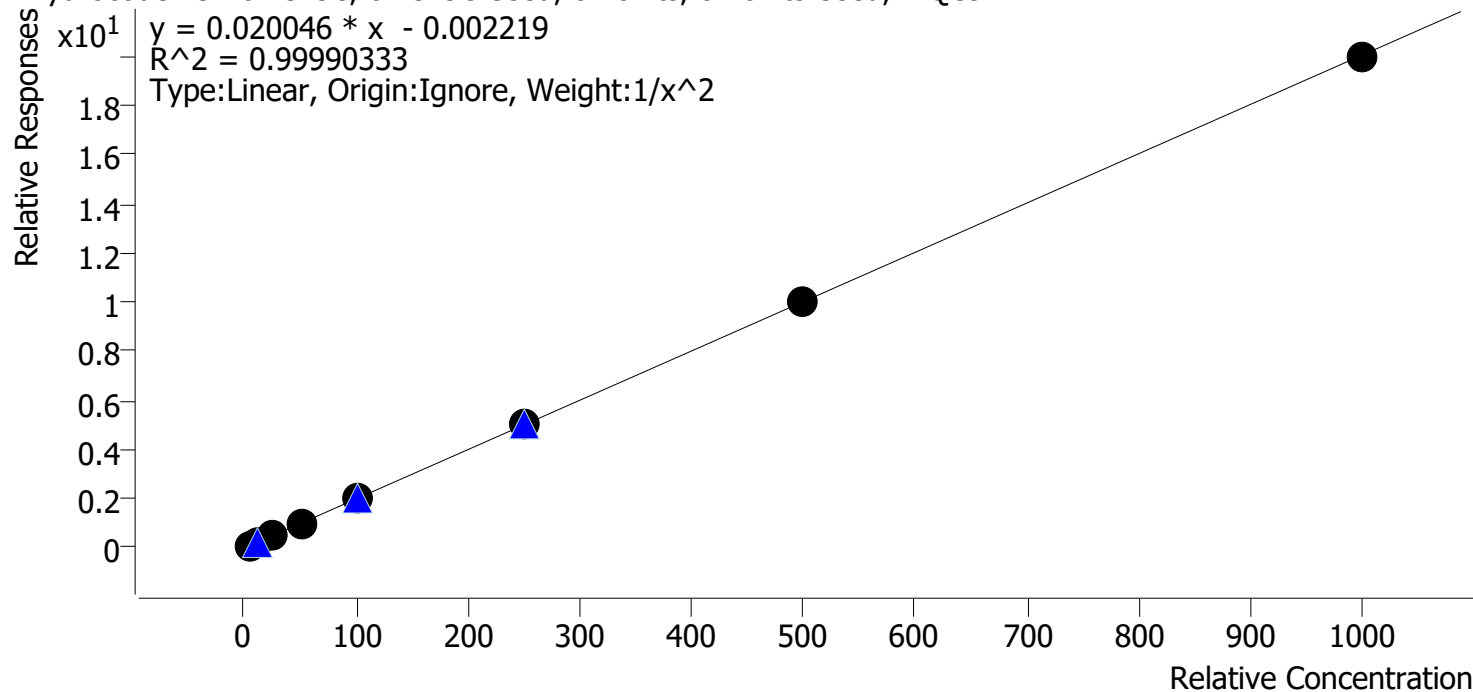
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	973.2	97.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



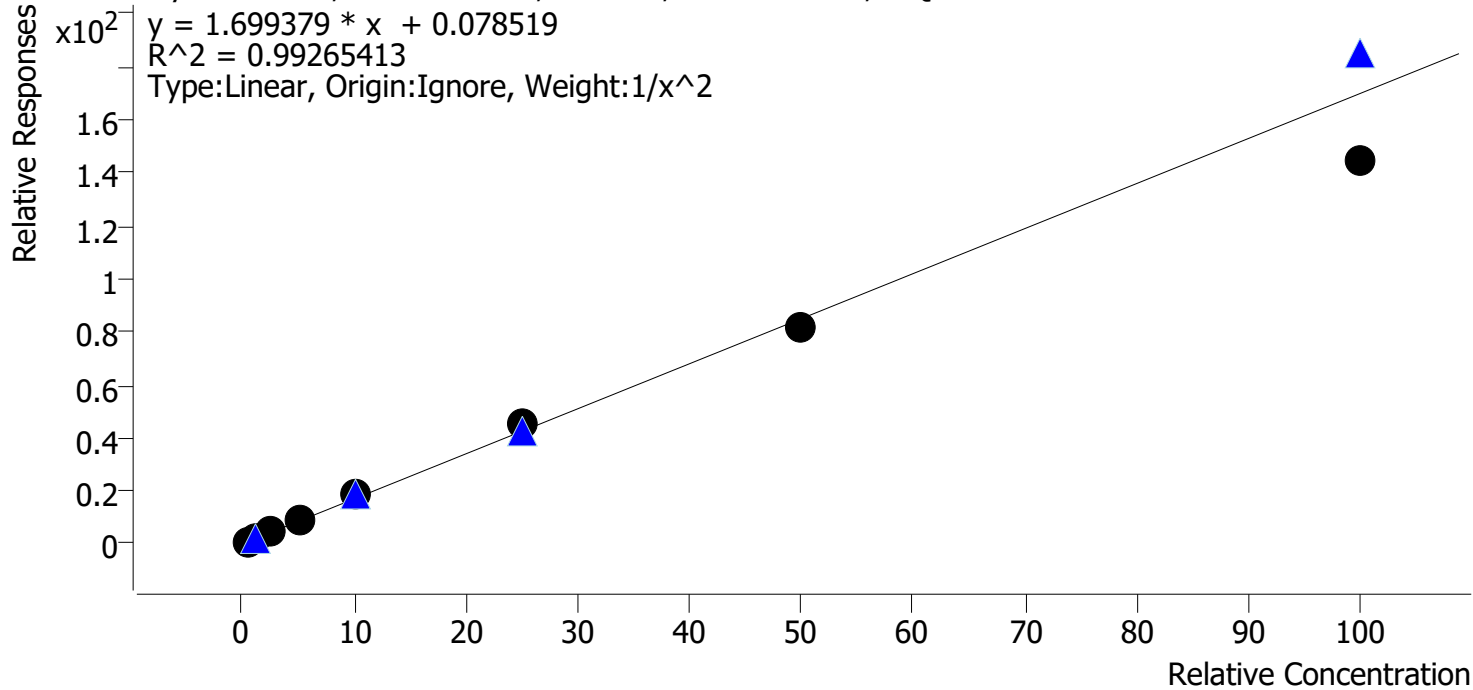
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	50.4	100.9
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	995.0	99.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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



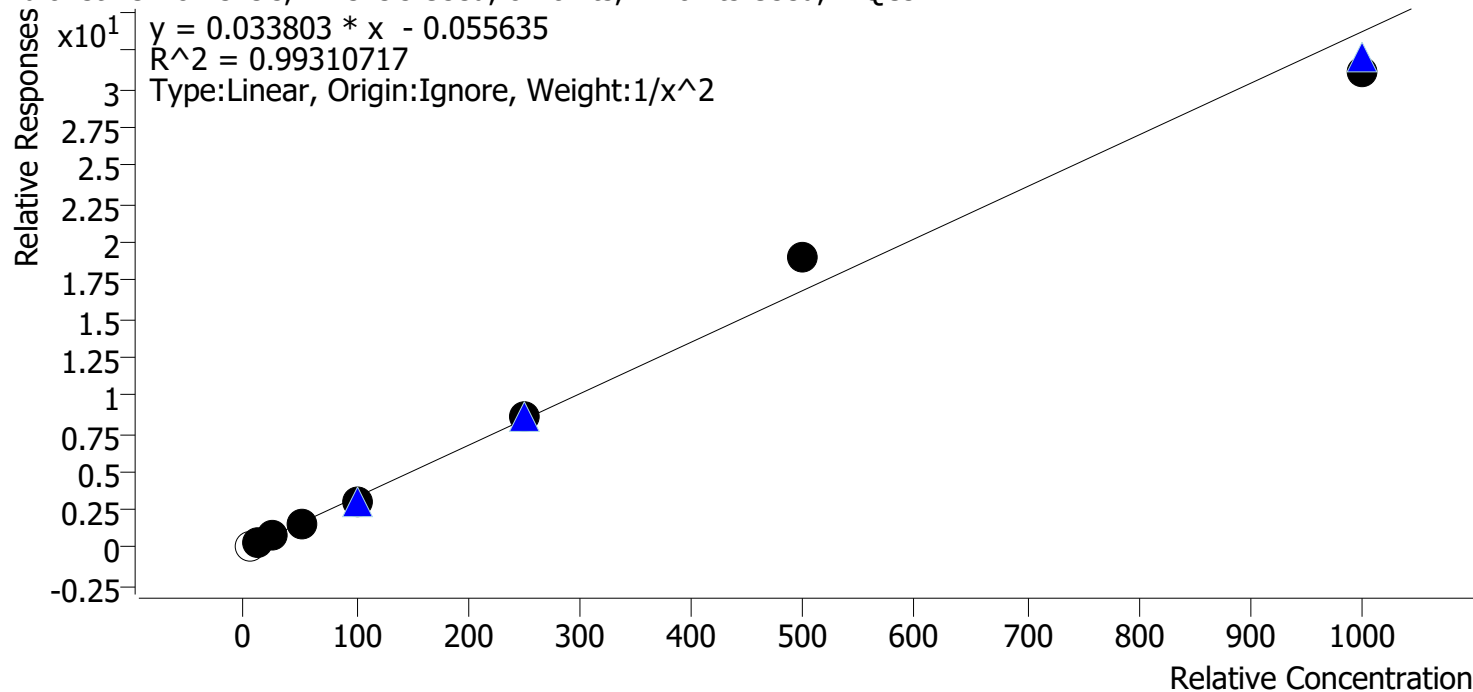
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	97.4
cal 2 mdq	2	✓	1.0	1.0	102.6
cal 3 mdq	3	✓	2.5	2.6	105.0
cal 4 mdq	4	✓	5.0	4.9	98.3
cal 5 mdq	5	✓	10.0	10.8	108.0
cal 6 mdq	6	✓	25.0	26.8	107.4
cal 7 mdq	7	✓	50.0	48.0	96.0
cal 8 mdq	8	✓	100.0	85.3	85.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-d3

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



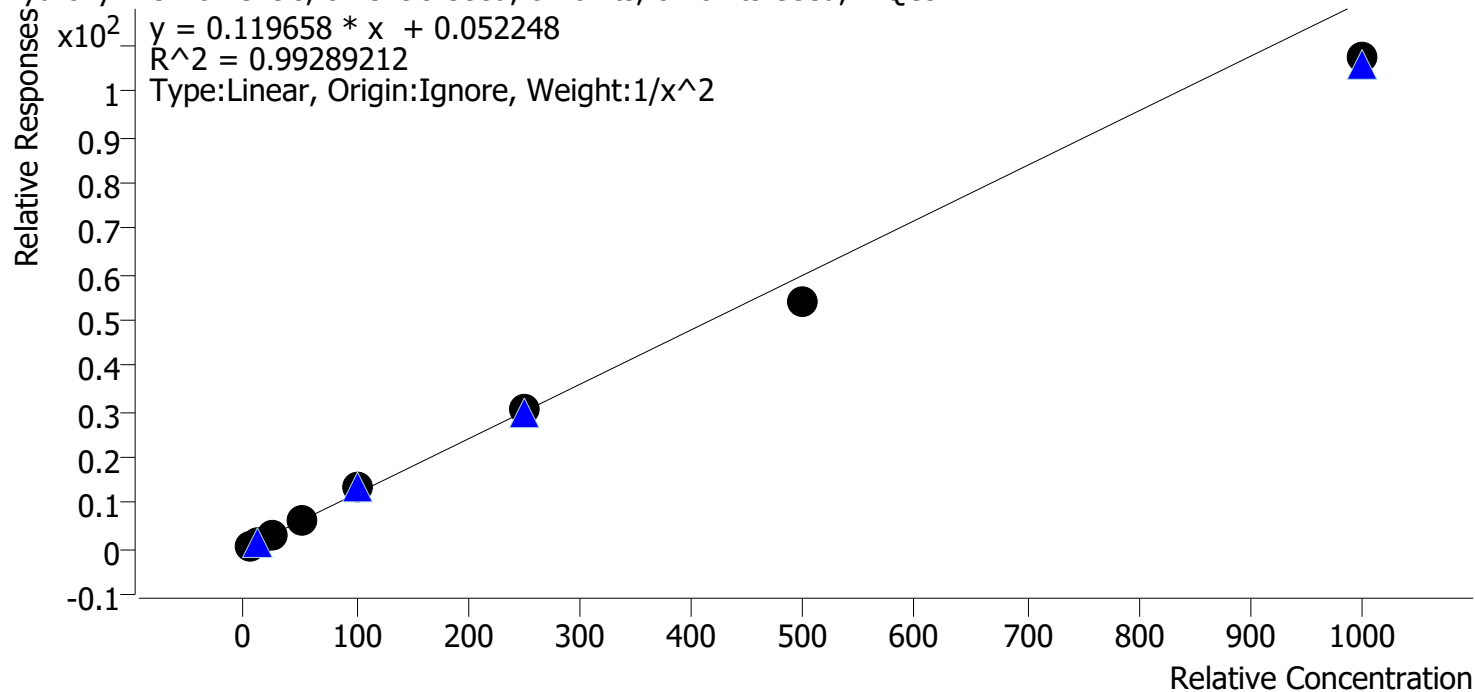
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	6.3	126.4
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	23.9	95.7
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	93.8	93.8
cal 6 mdq	6	✓	250.0	257.2	102.9
cal 7 mdq	7	✓	500.0	565.7	113.1
cal 8 mdq	8	✓	1000.0	919.2	91.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** MDMA-D6

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



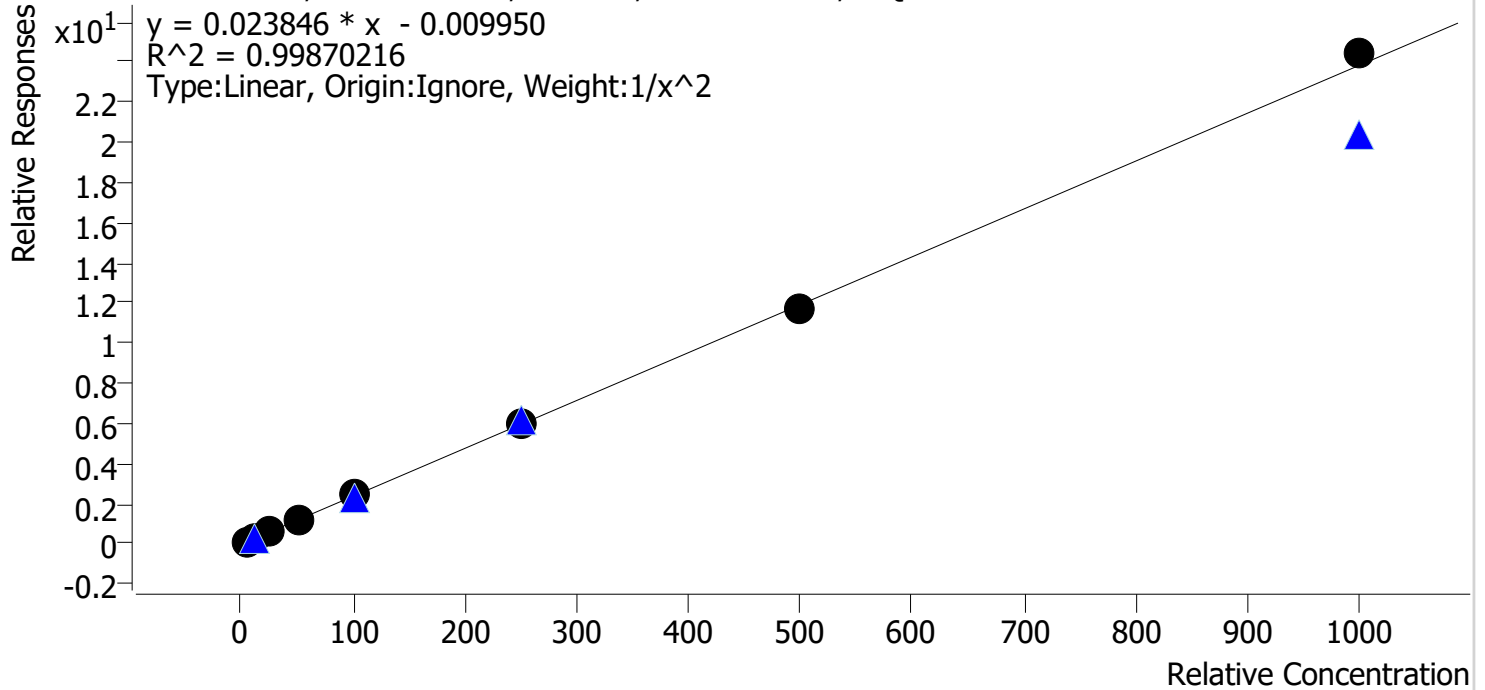
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	26.2	104.9
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	110.9	110.9
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	449.3	89.9
cal 8 mdq	8	✓	1000.0	897.7	89.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	49.4	98.8
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	488.2	97.6
cal 8 mdq	8	✓	1000.0	1024.6	102.5

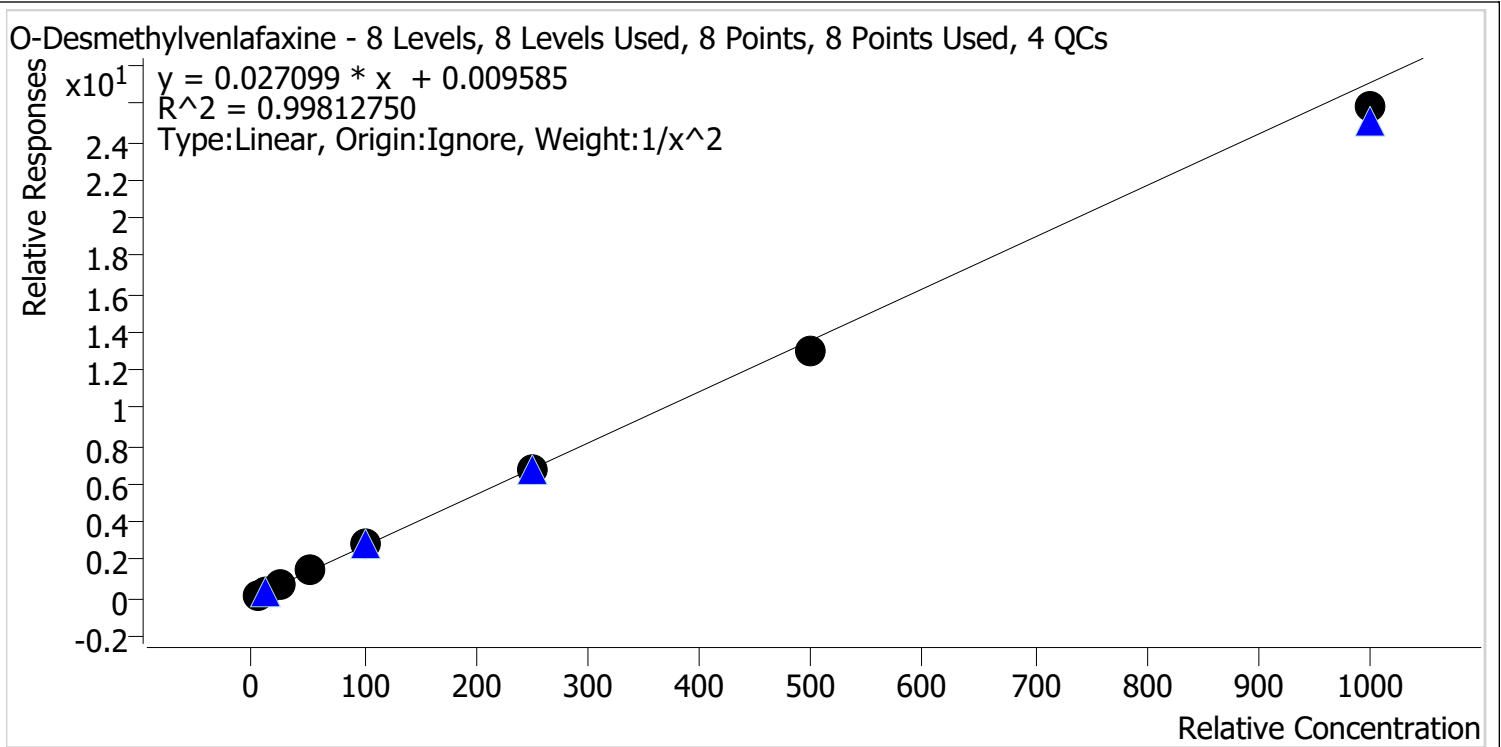
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Last Cal. Update 9/15/2023 9:20 AM
Analyst Name ISP\datastor
Analyte O-Desmethylvenlafaxine

Internal Standard

O-Desmethylvenlafaxine-d6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	245.9	98.4
cal 7 mdq	7	✓	500.0	481.8	96.4
cal 8 mdq	8	✓	1000.0	952.9	95.3

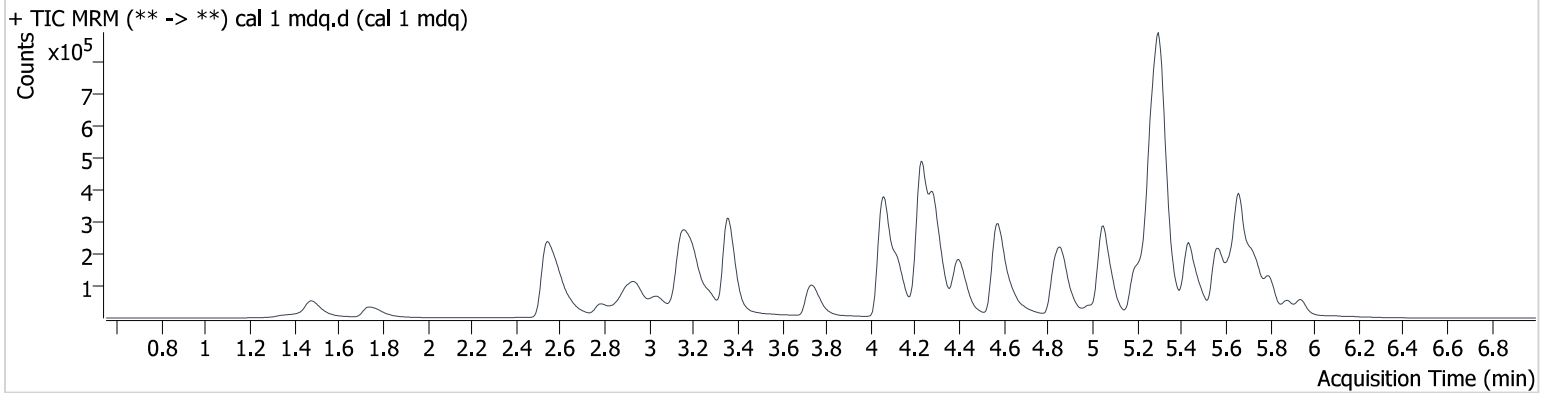
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-A1
Injection Volume 3
Acq. Date-Time 9/14/2023 10:22:42 AM
Sample Info.

Data File cal 1 mdq.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	3.224	1521	8652.5	129.58	7567.6	86881	0.526 ng/ml
7-aminoclonazepam	4.257	7480	9807.8	114.89	2558.0	71750	5.019 ng/ml
a-hydroxyalprazolam	5.678	1146	1120.4	56.70	1272.0	12388	5.178 ng/ml
alpha-PHP	4.988	20420	2971.2	260.85	∞	575394	4.882 ng/ml
alpha-PVP	4.418	67803	32017.2	56.59	3211.9	575394	5.045 ng/ml
Alprazolam	5.762	18183	1428.8	89.88	∞	144807	5.089 ng/ml
Amphetamine	3.025	39615	7239.2	219.26	∞	235453	4.950 ng/ml
Benzoylcegonine	3.842	1421	278.8	34.48	44.3	9847	5.480 ng/ml
Bromazolam	5.802	7207	322.5	102.64	363.7	66955	4.931 ng/ml
Buprenorphine	5.899	3538	713.8	13.85	50.5	98328	0.512 ng/ml
Bupropion	4.865	66238	∞	71.44	1984.5	614790	4.876 ng/ml
Carisoprodol	5.712	20257	100330.7	61.45	502.4	140278	5.064 ng/ml
Citalopram	5.239	50863	11667.1	39.64	∞	492409	4.960 ng/ml
Clonazolam	5.546	2907	319.4	51.19 High	423.3	17810	5.858 ng/ml
Cocaine	4.292	67265	41255.3	44.57	∞	986730	5.028 ng/ml
Codeine	2.854	8363	20655.1	99.94	∞	93785	4.822 ng/ml
Cyclobenzaprine	5.638	43827	43250.8	10.38	703.9	286020	4.986 ng/ml
Dextromethorphan	5.287	35313	4242.8	74.38	∞	355041	5.049 ng/ml
Dextrorphan	4.121	48060	∞	43.84	∞	455793	5.258 ng/ml
Diazepam	5.944	13631	2710.7	77.72	∞	115568	5.081 ng/ml
Dihydrocodeine	2.645	23639	911.8	63.62	261.1	239531	5.034 ng/ml
Diphenhydramine	5.314	169742	360881.4	34.91	11426.9	1696641	5.151 ng/ml
Doxylamine	4.585	180269	226875.5	92.81	4378.9	1128376	5.048 ng/ml
Duloxetine	5.669	4524	59.0	6.57 Low	24.3	28639	6.319 ng/ml
EDDP	5.266	69477	65197.2	46.20	123865.0	703680	4.970 ng/ml
Etizolam	5.802	2437	583.0	360.16	1387.5	144807	5.114 ng/ml
Fentanyl	5.207	5358	477.3	131.04	12224.3	529936	0.491 ng/ml
Fluorofentanyl	5.264	3985	3409.0	117.04	105.6	4396	0.487 ng/ml
Fluoxetine	5.725	30331	∞	4.73 Low	5656.8	213397	4.235 ng/ml
Hydrocodone	3.190	20657	1015.9	42.27	463.2	249759	4.821 ng/ml
Hydromorphone	1.779	23854	1124.1	70.09	723.3	162017	4.927 ng/ml
Hydroxyzine	5.729	61112	1634.0	107.54	28715.4	95125	4.932 ng/ml
Ketamine	4.234	43277	4251.7	40.30	548.6	319964	4.707 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.350	4334	964.0	96.06	410.0	235453	4.942 ng/ml
MDA	3.187	48058	9133.9	29.01	∞	375725	4.971 ng/ml
MDMA	3.283	47781	∞	99.02	11793.4	95125	5.093 ng/ml
Meprobamate	4.881	3718	1275.4	47.59	127.6	29115	4.912 ng/ml
Methadone	5.668	108764	3943.2	49.97	∞	815758	5.053 ng/ml
Methamphetamine	3.208	189739	1040.0	36.27	895.0	662691	4.889 ng/ml
Metoprolol	4.324	18791	16023.5	98.55	∞	375725	5.043 ng/ml
Mirtazapine	4.874	94192	4067.7	49.14	∞	95125	4.867 ng/ml
Mitragynine	5.326	22439	∞	33.25	164960.5	1065971	4.869 ng/ml
Morphine	1.402	4662	∞	19.85	∞	12904	4.857 ng/ml
Norbuprenorphine	5.005	1005	60.1	94.03	43.0	22919	0.530 ng/ml
Nordiazepam	5.888	2902	664.7	53.07	556.5	17810	5.168 ng/ml
Norfentanyl	4.076	3169	707.1	33.96	50.4	764827	0.476 ng/ml
Norhydrocodone	3.063	4778	∞	25.21	∞	96379	5.067 ng/ml
Noroxycodone	2.904	15739	755.4	51.91	∞	108093	5.109 ng/ml
O-desmethyl-tramadol	3.364	120825	12688.4	7.40	∞	1047194	4.909 ng/ml
O-Desmethylvenlafaxine	4.069	36255	1067.2	523.71	∞	249717	5.004 ng/ml
Oxycodone	2.954	44151	4106.6	29.52	459.3	315566	5.065 ng/ml
Oxymorphone	1.500	35732	∞	44.13	∞	274645	5.054 ng/ml
Phentermine	3.770	16667	250.9	10.31	39.5	406306	4.801 ng/ml
Promethazine	5.564	56006	1178.1	38.52	940.4	567074	5.150 ng/ml
Pseudoephedrine	2.551	128485	16900.9	17.33	∞	1065971	5.003 ng/ml
Quetiapine	5.629	88568	10068.2	60.31	15008.0	263985	4.884 ng/ml
Sertraline	5.798	4751	658.6	120.91	567.5	47551	5.069 ng/ml
Temazepam	5.809	13713	530.5	30.03	53.8	130596	5.005 ng/ml
Tramadol	4.243	125089	∞	4.48	208.3	1215311	4.351 ng/ml
Trazodone	5.483	60777	21543.1	132.85	22161.9	623878	4.938 ng/ml
Venlafaxine	5.049	92744	6283.8	36.09	2721.1	998823	5.752 ng/ml
Xylazine	4.082	6458	11.4	143.63	2115.7	235490	4.265 ng/ml
Zolpidem	5.297	126061	128494.9	32.48	58566.6	1095826	5.150 ng/ml

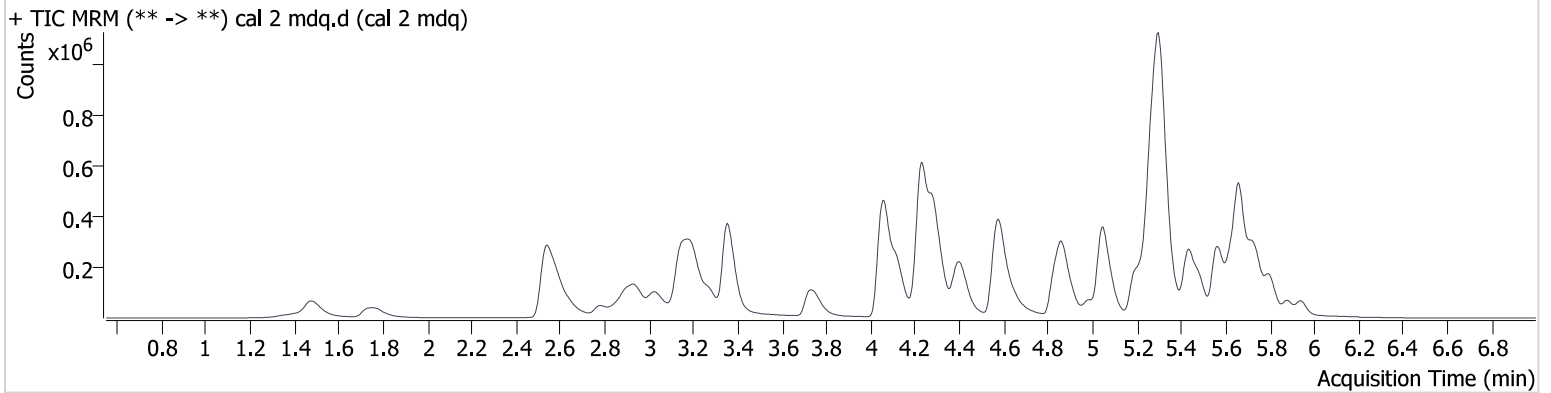
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-B1
Injection Volume 3
Acq. Date-Time 9/14/2023 10:31:32 AM
Sample Info.

Data File cal 2 mdq.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	3.224	3017	∞	143.53	30883.7	89374	0.948 ng/ml
7-aminoclonazepam	4.252	16497	24842.6	116.69	13995.5	79450	10.020 ng/ml
a-hydroxyalprazolam	5.683	2202	1797.7	64.77	1164.8	13151	8.978 ng/ml
alpha-PHP	4.983	46661	4220.6	259.40	367097.2	632045	10.113 ng/ml
alpha-PVP	4.418	143911	19865.4	60.22	18612.2	632045	9.730 ng/ml
Alprazolam	5.762	39971	4482.5	89.37	1554.4	160208	9.706 ng/ml
Amphetamine	3.025	77856	19359.5	241.66	5986.6	243077	10.060 ng/ml
Benzoylcegonine	3.832	2703	345.6	50.13	344.1	10092	9.968 ng/ml
Bromazolam	5.802	16879	274.3	95.00	303.2	70309	10.485 ng/ml
Buprenorphine	5.899	7334	2427.6	11.48	42.0	112918	0.944 ng/ml
Bupropion	4.865	142841	∞	71.96	3406.9	666487	10.097 ng/ml
Carisoprodol	5.712	38608	270575.1	72.61	796.8	147297	9.321 ng/ml
Citalopram	5.239	110806	∞	38.96	248997.6	515937	10.123 ng/ml
Clonazolam	5.530	6506	2024.6	46.32	365.5	19268	10.158 ng/ml
Cocaine	4.287	142625	18932.0	44.39	∞	1062055	9.935 ng/ml
Codeine	2.849	17960	∞	95.65	∞	100518	10.273 ng/ml
Cyclobenzaprine	5.633	99958	11558.9	10.04	11939.5	327146	9.931 ng/ml
Dextromethorphan	5.287	78875	81833.5	74.49	∞	398372	9.733 ng/ml
Dextrorphan	4.126	107375	∞	43.61	678030.1	489663	10.405 ng/ml
Diazepam	5.944	26544	148484.4	84.31	∞	117161	9.850 ng/ml
Dihydrocodeine	2.640	49955	3465.8	62.81	1672.3	256435	9.829 ng/ml
Diphenhydramine	5.314	368896	∞	35.99	16395.3	1882175	9.393 ng/ml
Doxylamine	4.585	372133	∞	96.69	154465.4	1224825	9.617 ng/ml
Duloxetine	5.663	9942	128.1	7.23	19.7	34418	10.191 ng/ml
EDDP	5.266	166960	∞	40.94	69745.3	820688	10.077 ng/ml
Etizolam	5.797	5606	2363.7	355.18	8079.9	160208	10.205 ng/ml
Fentanyl	5.202	12532	749.1	125.46	17575.6	608312	1.019 ng/ml
Fluorofentanyl	5.269	9461	7165.6	106.94	57.7	5193	1.026 ng/ml
Fluoxetine	5.720	70251	3711.7	7.44	∞	239975	9.918 ng/ml
Hydrocodone	3.190	43202	626.4	39.81	296.0	269566	10.179 ng/ml
Hydromorphone	1.779	49334	941.6	70.73	2320.8	172577	9.792 ng/ml
Hydroxyzine	5.729	131033	89728.0	112.52	40019.0	105939	9.900 ng/ml
Ketamine	4.234	91169	27287.9	39.61	553.1	337689	10.530 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.345	8669	856.4	98.57	324.5	243077	9.882 ng/ml
Lorazepam	5.735	2925	147.5	37.84	8.5 Low	18704	4.807 ng/ml
MDA	3.181	87253	4820.9	31.57	2210.4	376935	9.751 ng/ml
MDMA	3.278	101993	4136474.8	98.37	18205.4	105939	9.616 ng/ml
Meprobamate	4.881	7836	2063.2	47.27	2108.7	31304	10.163 ng/ml
Methadone	5.668	246900	874438.5	50.13	209187.1	945604	9.786 ng/ml
Methamphetamine	3.203	297859	1403.8	36.36	2914.2	697864	10.080 ng/ml
Metoprolol	4.319	39189	169044.9	101.07	∞	376935	9.862 ng/ml
Mirtazapine	4.874	207279	∞	50.49	8705.4	105939	10.234 ng/ml
Mitragynine	5.331	49450	80493.9	27.56	45378.1	1129202	10.019 ng/ml
Morphine	1.402	9956	∞	20.68	∞	13608	9.932 ng/ml
Norbuprenorphine	5.010	1679	50.4	102.47	319.7	25320	0.929 ng/ml
Nordiazepam	5.888	5691	689.2	61.45	547.2	19268	9.386 ng/ml
Norfentanyl	4.076	6749	702.7	29.32	140.4	825815	1.026 ng/ml
Norhydrocodone	3.058	10081	∞	23.96	∞	106855	9.508 ng/ml
Noroxycodone	2.899	32606	677.3	51.05	3360909541 5767.6	112625	9.585 ng/ml
O-desmethyl-tramadol	3.364	265853	17839.5	7.13	2452.3	1109802	10.189 ng/ml
O-Desmethylvenlafaxine	4.064	74629	636.3	533.84	12446.4	272817	9.741 ng/ml
Oxycodone	2.944	93722	∞	28.48	2017.6	337718	9.743 ng/ml
Oxymorphone	1.495	78202	∞	43.88	∞	306556	9.782 ng/ml
Phentermine	3.765	35182	∞	11.38	344.7	426553	10.350 ng/ml
Promethazine	5.564	126485	∞	41.29	9389.7	657042	9.720 ng/ml
Pseudoephedrine	2.551	266196	∞	17.95	22701.3	1129202	9.951 ng/ml
Quetiapine	5.624	187557	52692.7	63.02	27846.8	296001	9.986 ng/ml
Sertraline	5.798	11978	3543.1	108.22	1187.1	59196	9.679 ng/ml
Temazepam	5.809	31067	4034.2	26.73	153.4	142125	9.966 ng/ml
Tramadol	4.243	268040	∞	4.35	488.2	1302502	9.850 ng/ml
Trazodone	5.483	127643	70283.1	148.96	24854.8	717293	9.910 ng/ml
Venlafaxine	5.049	200008	7242.8	36.71	1993.5	1109907	10.139 ng/ml
Xylazine	4.082	14571	96.1	129.39	473.1	256857	9.696 ng/ml
Zolpidem	5.297	269617	∞	31.09	∞	1189315	9.695 ng/ml

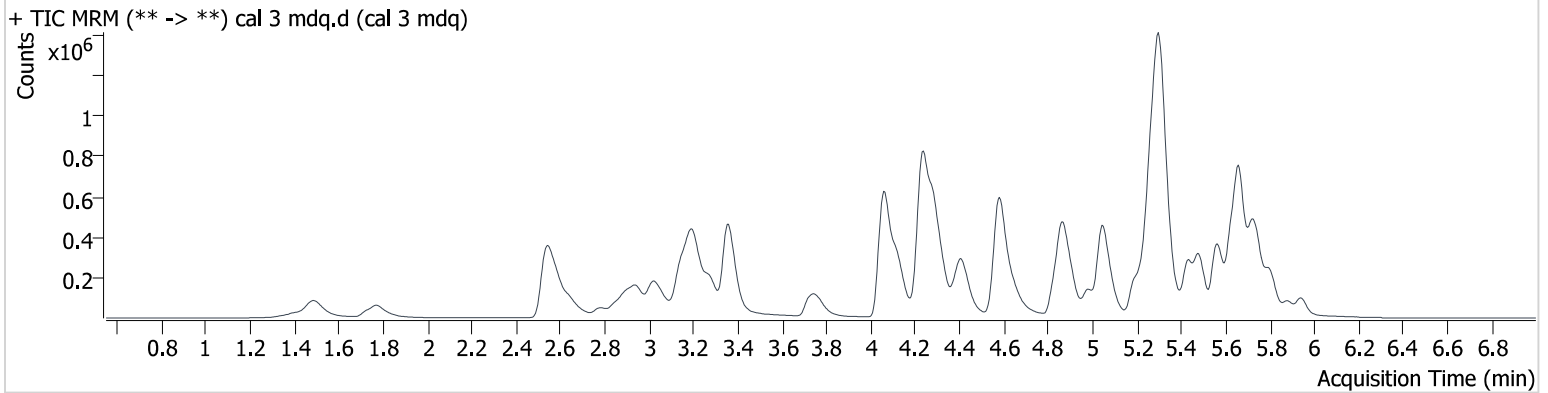
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-C1
Injection Volume 3
Acq. Date-Time 9/14/2023 10:40:15 AM
Sample Info.

Data File cal 3 mdq.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	3.224	7069	10494.0	131.77	6250.3	82690	2.294 ng/ml
7-aminoclonazepam	4.257	41154	∞	117.40	∞	82633	24.067 ng/ml
a-hydroxyalprazolam	5.683	5856	11923.6	55.89	2245.5	10773	28.041 ng/ml
alpha-PHP	4.983	116755	12908.4	249.97	59445.9	599774	26.601 ng/ml
alpha-PVP	4.418	355022	830843.3	58.39	16631.6	599774	25.265 ng/ml
Alprazolam	5.762	94720	32490.4	89.97	1954.2	144241	24.873 ng/ml
Amphetamine	3.025	176836	8358.5	270.59	16908.1	225649	25.634 ng/ml
Benzoylcegonine	3.837	6502	1078.1	41.12	575.9	9870	24.169 ng/ml
Bromazolam	5.802	37649	600.5	100.11	6923.8	67736	23.726 ng/ml
Buprenorphine	5.899	18067	1398.1	14.80	384.9	108118	2.466 ng/ml
Bupropion	4.865	352826	∞	65.75	17713.4	633309	26.887 ng/ml
Carisoprodol	5.712	97999	769498.2	64.30	6069.1	128279	27.474 ng/ml
Citalopram	5.239	266429	19701.0	40.20	245424.6	505018	24.611 ng/ml
Clonazolam	5.536	17395	5197.8	31.83	3390.8	18949	24.466 ng/ml
Cocaine	4.292	337404	1285654.2	45.45	12397.2	1011744	24.716 ng/ml
Codeine	2.849	43862	244210.3	93.23	14456.1	94089	27.784 ng/ml
Cyclobenzaprine	5.638	257262	50265.4	9.82	4476.4	324501	25.748 ng/ml
Dextromethorphan	5.282	191060	13863.2	75.02	∞	364909	25.209 ng/ml
Dextrorphan	4.126	258412	188800.4	46.71	217274.5	487045	24.477 ng/ml
Diazepam	5.944	66916	12460.7	86.85	6409.1	121073	24.170 ng/ml
Dihydrocodeine	2.645	121232	724.0	64.71	2336.7	242154	25.085 ng/ml
Diphenhydramine	5.314	957161	155385.3	32.25	64257.3	1714958	25.404 ng/ml
Doxylamine	4.585	945580	∞	92.61	82623.6	1162767	25.773 ng/ml
Duloxetine	5.663	27211	454.3	7.66	1145.5	36119	23.933 ng/ml
EDDP	5.266	391496	71012.7	43.29	631973.1	758682	25.321 ng/ml
Etizolam	5.807	11167	1306.7	414.80	15140.0	144241	22.094 ng/ml
Fentanyl	5.207	30948	4965.2	135.08	764906.3	600583	2.578 ng/ml
Fluorofentanyl	5.269	21969	12942.1	116.64	5433.8	4841	2.624 ng/ml
Fluoxetine	5.720	183516	241757.3	5.98	8984.3	261585	25.346 ng/ml
Hydrocodone	3.190	102127	1028.4	39.39	782.7	252839	27.010 ng/ml
Hydromorphone	1.779	128677	1393.5	66.89	777.1	164567	27.200 ng/ml
Hydroxyzine	5.729	320697	68296.9	106.23	33777.5	100490	26.234 ng/ml
Ketamine	4.234	214342	218312.2	38.82	2311.1	318241	27.971 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.345	20473	2646.4	104.89	2260.8	225649	25.646 ng/ml
Lorazepam	5.740	6995	640.4	39.80	95.7	16088	24.922 ng/ml
MDA	3.181	202133	3221.7	32.63	2224.6	347589	25.905 ng/ml
MDMA	3.278	249235	∞	97.62	25797.2	100490	24.522 ng/ml
Meprobamate	4.876	18487	3474.5	43.82	412.8	29943	25.880 ng/ml
Methadone	5.663	598651	9374.2	50.20	∞	885058	25.171 ng/ml
Methamphetamine	3.208	599228	9916.5	37.78	4616.0	675633	27.083 ng/ml
Metoprolol	4.324	92504	∞	99.55	∞	347589	24.344 ng/ml
Mirtazapine	4.874	479536	∞	51.27	∞	100490	25.869 ng/ml
Mitragynine	5.331	132419	173130.6	27.82	211491.6	1090264	27.605 ng/ml
Morphine	1.402	24262	∞	19.78	∞	11478	28.877 ng/ml
Norbuprenorphine	5.005	3429	250.1	101.67	408.8	24065	2.281 ng/ml
Nordiazepam	5.888	14853	2256.4	53.82	732.3	18949	24.950 ng/ml
Norfentanyl	4.076	16647	4104.5	29.42	960.6	764764	2.884 ng/ml
Norhydrocodone	3.063	26741	∞	26.66	∞	103322	25.825 ng/ml
Noroxycodone	2.899	81657	∞	46.59	1177.6	104669	24.845 ng/ml
O-desmethyl-tramadol	3.364	639631	167817.3	7.05	14192.1	1053208	25.828 ng/ml
O-Desmethylvenlafaxine	4.064	184689	226.5	499.66	36365.4	260958	25.763 ng/ml
Oxycodone	2.949	229512	24817.5	28.12	3585.2	315485	25.042 ng/ml
Oxymorphone	1.500	187788	∞	43.79	∞	286858	24.897 ng/ml
Phentermine	3.770	83958	5775.5	10.52	901.2	407716	26.874 ng/ml
Promethazine	5.564	310208	∞	42.51	29249.5	649916	23.605 ng/ml
Pseudoephedrine	2.551	642607	152945.8	17.78	∞	1090264	25.143 ng/ml
Quetiapine	5.624	443946	98212.1	62.84	35247.1	275002	26.769 ng/ml
Sertraline	5.793	33278	1892.9	113.85	10841.7	61727	24.837 ng/ml
Temazepam	5.809	74303	1095.9	30.11	86.0	130537	25.279 ng/ml
Tramadol	4.243	639861	∞	3.89	3560.3	1239460	26.447 ng/ml
Trazodone	5.483	330864	65408.5	135.23	6068.5	744056	26.377 ng/ml
Venlafaxine	5.049	486373	98336.9	36.96	3945.0	1046115	24.442 ng/ml
Xylazine	4.082	35266	90.6	134.47	921.4	242806	26.102 ng/ml
Zolpidem	5.291	610988	∞	32.76	776430.2	1057283	23.990 ng/ml

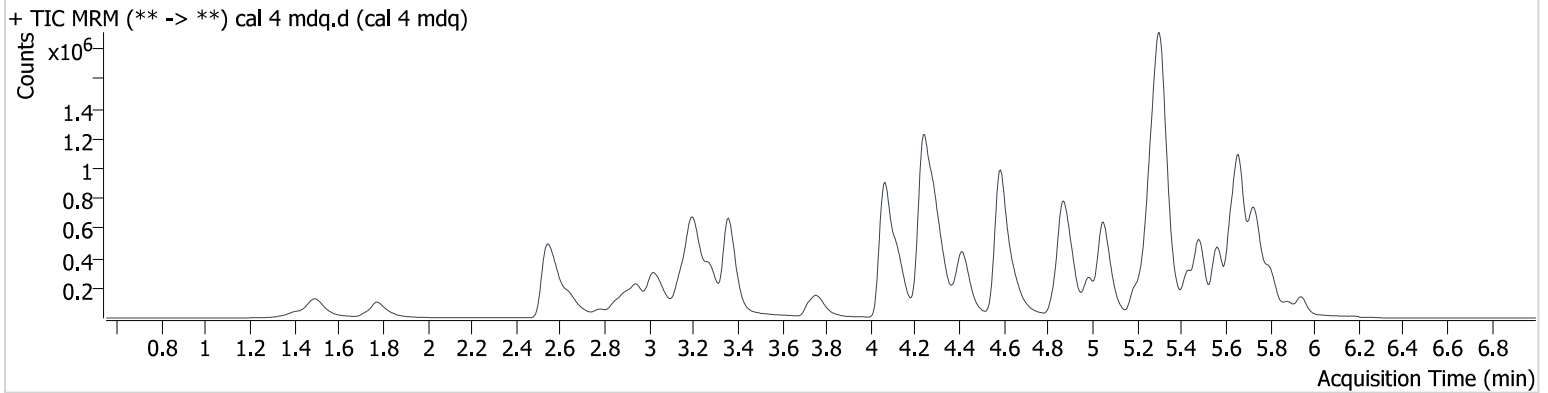
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-D1
Injection Volume 3
Acq. Date-Time 9/14/2023 10:48:57 AM
Sample Info.

Data File cal 4 mdq.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	3.229	13307	48506.2	140.05	30669.4	77470	4.540 ng/ml
7-aminoclonazepam	4.257	74208	147721.3	116.51	71640.1	72156	49.723 ng/ml
a-hydroxyalprazolam	5.683	10089	∞	56.09	∞	10774	47.945 ng/ml
alpha-PPH	4.988	229318	10566.0	252.81	26029.8	601387	52.068 ng/ml
alpha-PVP	4.418	716091	2313258.4	58.29	16911.2	601387	50.806 ng/ml
Alprazolam	5.762	181385	∞	87.19	8152.8	138903	49.054 ng/ml
Amphetamine	3.025	331306	12066.9	273.44	48301.4	214093	51.305 ng/ml
Benzoylcegonine	3.837	12966	4877.9	45.90	1727.9	9978	47.451 ng/ml
Bromazolam	5.802	75816	2590.4	87.54	161.6	64937	49.380 ng/ml
Buprenorphine	5.899	35130	2469.4	13.78	951.1	98731	5.279 ng/ml
Bupropion	4.865	694653	∞	70.32	68309.3	638887	52.855 ng/ml
Carisoprodol	5.712	179834	238084.5	64.80	2343.1	132118	49.076 ng/ml
Citalopram	5.239	521012	31227.0	38.62	∞	464571	52.121 ng/ml
Clonazolam	5.536	32817	14436.1	38.52	1966.1	17383	48.379 ng/ml
Cocaine	4.292	664093	∞	43.59	1246500.0	993470	49.571 ng/ml
Codeine	2.849	83221	2236.7	94.98	9515.0	98989	50.596 ng/ml
Cyclobenzaprine	5.638	441630	66662.8	10.24	16059.1	285068	50.302 ng/ml
Dextromethorphan	5.287	349131	192427.6	73.08	1219617.1	333144	50.135 ng/ml
Dextrorphan	4.126	508957	65628.7	45.73	1024757.3	474326	49.000 ng/ml
Diazepam	5.944	124925	∞	86.54	7436.1	113091	48.405 ng/ml
Dihydrocodeine	2.645	245119	8776.8	63.96	13336.8	242991	50.433 ng/ml
Diphenhydramine	5.314	1772655	258254.9	32.57	134248.9	1587943	50.082 ng/ml
Doxylamine	4.585	1921367	57301.5	92.45	548854.9	1187493	51.296 ng/ml
Duloxetine	5.664	41591	551.7	8.92	67.2	25291	50.295 ng/ml
EDDP	5.266	771370	76838.5	42.87	∞	754501	50.015 ng/ml
Etizolam	5.802	22338	2148.6	402.27	36644.5	138903	45.465 ng/ml
Fentanyl	5.207	58458	7274.8	131.31	∞	579659	5.063 ng/ml
Fluorofentanyl	5.269	40860	28045.5	110.13	214.4	4845	4.916 ng/ml
Fluoxetine	5.720	271983	10997.8	6.54	344051.0	200640	50.026 ng/ml
Hydrocodone	3.190	200459	127313.9	38.36	1285.3	247274	55.109 ng/ml
Hydromorphone	1.779	255584	660.2	64.70	530.2	165080	54.092 ng/ml
Hydroxyzine	5.729	593623	407145.2	110.69	215753.5	94425	52.103 ng/ml
Ketamine	4.234	414339	220407.2	38.01	4450.4	321518	54.559 ng/ml



AM #28 Multi-Drug Quant. Results

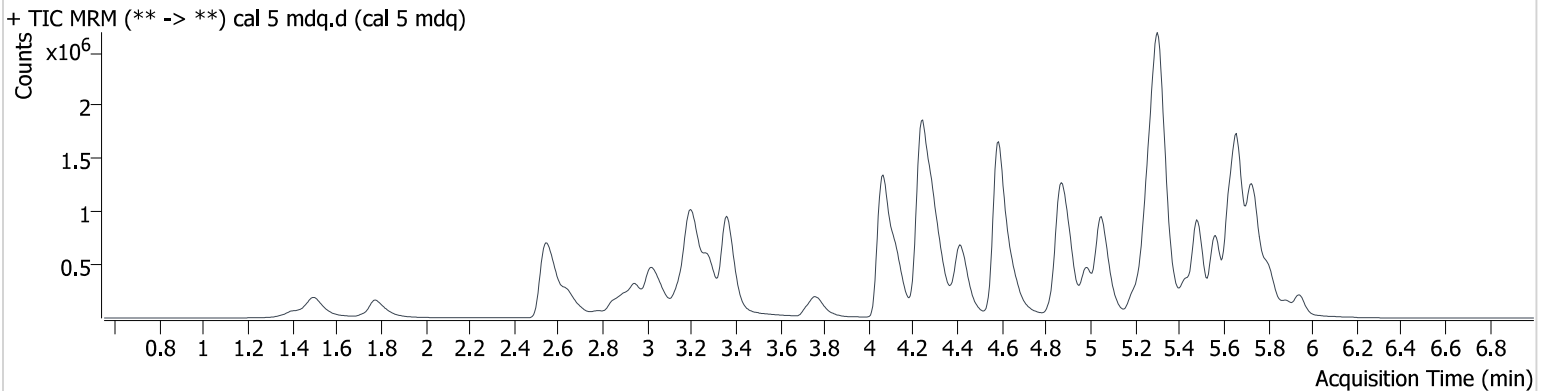
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.351	40414	1988.4	97.30	1690.5	214093	53.711 ng/ml
Lorazepam	5.735	13840	∞	32.55	50.2	17600	50.325 ng/ml
MDA	3.176	382952	23192.9	29.10	2203.5	316861	54.844 ng/ml
MDMA	3.283	491530	767488.2	97.47	∞	94425	51.292 ng/ml
Meprobamate	4.881	35642	15499.4	45.30	1502.1	30069	50.195 ng/ml
Methadone	5.668	1136687	111884.0	48.88	∞	860756	49.035 ng/ml
Methamphetamine	3.208	1092055	31649.7	37.29	8040.6	699576	51.994 ng/ml
Metoprolol	4.324	176694	∞	98.05	∞	316861	50.377 ng/ml
Mirtazapine	4.875	916286	∞	50.54	114339.9	94425	53.257 ng/ml
Mitragynine	5.331	251877	∞	28.65	319956.6	1108348	51.563 ng/ml
Morphine	1.402	48369	∞	19.06	∞	13365	49.511 ng/ml
Norbuprenorphine	5.005	6632	389.9	100.68	567.4	23308	4.804 ng/ml
Nordiazepam	5.888	26369	5194.4	61.97	1396.8	17383	48.307 ng/ml
Norfentanyl	4.076	29515	5200.5	29.68	1144.5	769549	5.150 ng/ml
Norhydrocodone	3.058	57307	∞	26.51	∞	110460	51.618 ng/ml
Noroxycodone	2.899	157780	∞	46.86	2138.6	99999	49.655 ng/ml
O-desmethyl-tramadol	3.364	1299082	513558.5	7.19	11846.3	1082113	51.052 ng/ml
O-Desmethylvenlafaxine	4.064	352482	3587.9	524.57	40981.0	247020	52.302 ng/ml
Oxycodone	2.949	455770	110332.7	28.85	5470.8	313851	49.680 ng/ml
Oxymorphone	1.500	381568	∞	42.34	∞	288084	50.239 ng/ml
Phentermine	3.765	163096	11140.8	10.58	∞	400195	53.861 ng/ml
Promethazine	5.564	570453	∞	41.47	∞	589396	47.522 ng/ml
Pseudoephedrine	2.551	1289145	201309.1	17.76	19854.5	1108348	49.787 ng/ml
Quetiapine	5.624	846172	486644.7	62.53	121379.8	259718	54.897 ng/ml
Sertraline	5.798	54134	15823.3	110.22	8060.0	46813	52.618 ng/ml
Temazepam	5.809	140221	2759.6	32.44	568.7	125138	49.358 ng/ml
Tramadol	4.243	1250364	∞	4.09	∞	1231684	53.121 ng/ml
Trazodone	5.483	615168	235990.9	143.38	124165.9	707923	52.572 ng/ml
Venlafaxine	5.049	960433	106474.1	37.44	6927.2	1046469	47.191 ng/ml
Xylazine	4.082	71067	191.8	131.74	1523.7	245950	52.738 ng/ml
Zolpidem	5.297	1223972	2886952.8	31.67	603906.2	1075478	46.793 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdqp1 72723.m	Operator	Anne Nord
Sample Position	P2-E1	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	9/14/2023 10:57:39 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.224	21966	167340.7	137.64	93832.7	59543	9.670 ng/ml
7-aminoclonazepam	4.257	126120	38670.8	112.90	20611.8	57803	105.518 ng/ml
a-hydroxyalprazolam	5.688	16545	∞	69.52	3389.8	9548	88.303 ng/ml
alpha-PHP	4.988	416590	31999.9	260.29	7996570.7	553958	102.649 ng/ml
alpha-PVP	4.418	1325828	384717.4	57.29	48343.5	553958	102.101 ng/ml
Alprazolam	5.762	320901	∞	91.36	∞	122165	98.258 ng/ml
Amphetamine	3.025	551748	14438.6	264.64	15391.3	183835	100.167 ng/ml
Benzoylcegonine	3.837	24847	3169.3	41.95	1489.0	9361	96.677 ng/ml
Bromazolam	5.796	130719	3889.2	92.30	1035.8	54106	101.735 ng/ml
Buprenorphine	5.894	71918	5719.8	14.34	471.2	102638	10.420 ng/ml
Bupropion	4.865	1214082	∞	72.74	22898.5	586582	100.977 ng/ml
Carisoprodol	5.707	299554	591975.6	61.10	5336.5	100978	107.145 ng/ml
Citalopram	5.239	899116	59087.7	40.85	2414619.5	410501	101.625 ng/ml
Clonazolam	5.536	65237	10412.1	36.59	7343.5	16843	97.322 ng/ml
Cocaine	4.292	1229088	∞	44.12	909030.9	902644	101.008 ng/ml
Codeine	2.849	150111	267575.3	93.24	14220.1	88322	102.908 ng/ml
Cyclobenzaprine	5.638	863091	136588.1	10.07	21027.1	283234	98.932 ng/ml
Dextromethorphan	5.282	616280	2191677.4	74.44	1455502.9	282990	103.835 ng/ml
Dextrophan	4.126	925466	∞	45.60	∞	435714	96.514 ng/ml
Diazepam	5.944	243484	7716.1	85.33	6507.5	105365	101.369 ng/ml
Dihydrocodeine	2.645	446369	5073.7	63.96	1520.1	221625	100.583 ng/ml
Diphenhydramine	5.314	2823048	88247.9	35.37	1569757.9	1367366	92.006 ng/ml
Doxylamine	4.585	3601924	494302.0	93.90	∞	1119263	102.044 ng/ml
Duloxetine	5.664	86757	827.2	8.53	214.2	27842	93.827 ng/ml
EDDP	5.266	1435978	124377.2	42.26	1915692.4	705847	99.373 ng/ml
Etizolam	5.802	41725	12887.4	389.43	24748.5	122165	96.108 ng/ml
Fentanyl	5.207	116450	6363.3	127.71	61716.6	563099	10.401 ng/ml
Fluorofentanyl	5.264	75718	61977.5	102.88	2191.7	4108	10.801 ng/ml
Fluoxetine	5.720	592090	184935.5	6.53	44408.3	214799	102.893 ng/ml
Hydrocodone	3.190	346072	1460.6	41.55	2689.2	222441	106.580 ng/ml
Hydromorphone	1.779	429407	2167.2	71.61	2324.7	151371	99.311 ng/ml
Hydroxyzine	5.729	1122795	427055.7	110.54	385052.5	84314	110.854 ng/ml
Ketamine	4.229	710900	∞	38.51	13232.8	289727	104.910 ng/ml



AM #28 Multi-Drug Quant. Results

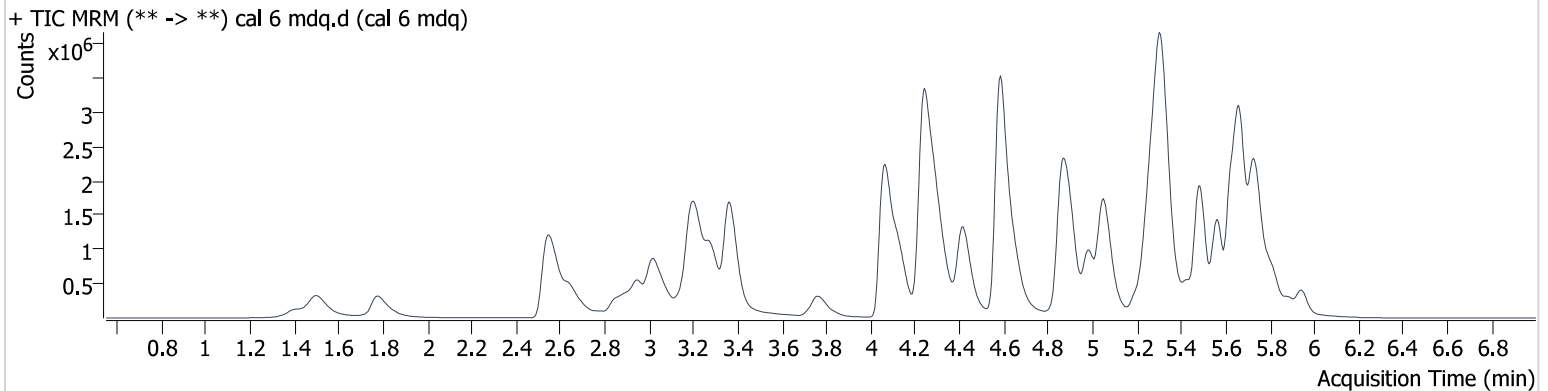
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.351	71405	5571.8	94.92	7789.2	183835	110.864 ng/ml
Lorazepam	5.740	23103	10969.3	38.48	2526.9	15745	99.524 ng/ml
MDA	3.176	611617	39858.6	30.06	∞	261088	107.178 ng/ml
MDMA	3.283	885004	121555.5	97.36	267818.9	84314	103.265 ng/ml
Meprobamate	4.881	58768	1672.5	44.77	3070.8	23704	105.593 ng/ml
Methadone	5.668	2172214	55269.9	50.09	79074.7	799360	100.783 ng/ml
Methamphetamine	3.208	1828731	12150.5	38.71	8564.2	643492	99.326 ng/ml
Metoprolol	4.324	302272	27904.8	96.89	∞	261088	103.969 ng/ml
Mirtazapine	4.875	1618496	288859.5	51.33	∞	84314	105.969 ng/ml
Mitragynine	5.331	461243	∞	29.61	85643.6	1000234	104.524 ng/ml
Morphine	1.402	87832	∞	17.50	∞	10769	111.692 ng/ml
Norbuprenorphine	5.010	12198	1279.8	98.43	394.2	19871	10.653 ng/ml
Nordiazepam	5.888	52531	6217.3	62.13	12913.0	16843	99.341 ng/ml
Norfentanyl	4.076	51426	2264.8	27.69	1486.4	642073	10.853 ng/ml
Norhydrocodone	3.063	109958	∞	28.65	∞	105309	103.736 ng/ml
Noroxycodone	2.899	277090	∞	47.60	∞	85258	101.667 ng/ml
O-desmethyl-tramadol	3.364	2395594	253501.2	7.05	25195.3	1006623	101.201 ng/ml
O-Desmethylvenlafaxine	4.064	627486	1428.7	504.54	75646.3	220090	104.854 ng/ml
Oxycodone	2.949	833190	20391.5	28.51	79450.6	285001	99.702 ng/ml
Oxymorphone	1.500	689364	∞	42.73	∞	258784	100.907 ng/ml
Phentermine	3.770	286064	∞	10.50	807.5	365946	103.946 ng/ml
Promethazine	5.564	1215923	∞	40.07	1640789.1	605158	98.294 ng/ml
Pseudoephedrine	2.551	2381642	63527.2	17.75	∞	1000234	102.105 ng/ml
Quetiapine	5.624	1525572	1303413.7	53.68	306245.4	248240	104.312 ng/ml
Sertraline	5.793	108766	56884.9	115.18	30207.4	48721	101.050 ng/ml
Temazepam	5.809	237340	9545.6	31.26	1028.9	103873	100.212 ng/ml
Tramadol	4.243	2270075	∞	3.95	∞	1144921	104.849 ng/ml
Trazodone	5.483	1159882	163339.1	144.18	511009.3	684007	103.613 ng/ml
Venlafaxine	5.049	1804334	64438.5	37.32	∞	958303	95.669 ng/ml
Xylazine	4.082	131636	514.2	131.84	1685.0	230215	105.162 ng/ml
Zolpidem	5.297	2167335	250409.3	31.56	∞	886913	99.937 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdqp1 72723.m	Operator	Anne Nord
Sample Position	P2-F1	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	9/14/2023 11:06:21 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.229	38110	637672.7	137.73	∞	37687	26.385 ng/ml
7-aminoclonazepam	4.257	191959	68786.0	110.78	24072.8	35932	258.387 ng/ml
a-hydroxyalprazolam	5.683	32222	25205.5	66.74	49964.3	6289	260.152 ng/ml
alpha-PHP	4.988	942651	42099.5	248.95	454633.5	501903	256.301 ng/ml
alpha-PVP	4.418	2941349	1673927.6	56.97	193194.0	501903	249.977 ng/ml
Alprazolam	5.762	643115	∞	90.60	∞	95376	251.584 ng/ml
Amphetamine	3.025	1034671	54227.4	242.35	87128.9	140326	247.107 ng/ml
Benzoylcegonine	3.837	61769	13734.3	43.53	2104.1	8956	250.817 ng/ml
Bromazolam	5.802	252743	∞	89.54	∞	42039	252.544 ng/ml
Buprenorphine	5.899	158909	13608.3	16.03	6306.0	95534	24.771 ng/ml
Bupropion	4.865	2671406	∞	68.24	92602.4	530003	246.478 ng/ml
Carisoprodol	5.707	553231	277025.7	61.84	48289.8	77754	257.207 ng/ml
Citalopram	5.239	1787100	81840.0	40.26	1282655.5	329033	251.745 ng/ml
Clonazepam	5.536	145271	13182.8	39.11	64524.4	14146	255.014 ng/ml
Cocaine	4.292	2594088	496470.8	43.89	∞	750657	256.396 ng/ml
Codeine	2.849	284822	∞	93.62	1259.4	80833	214.005 ng/ml
Cyclobenzaprine	5.633	1659212	978788.1	10.11	24899.9	217741	247.375 ng/ml
Dextromethorphan	5.282	1161939	1035414.3	74.62	53972.6	223553	247.375 ng/ml
Dextrorphan	4.131	1924142	71189.6	45.40	76280.9	358604	243.060 ng/ml
Diazepam	5.944	527947	7134.6	85.95	20534.5	93196	248.640 ng/ml
Dihydrocodeine	2.645	948093	239.4	64.73	10654.0	188888	250.502 ng/ml
Diphenhydramine	5.319	5845371	379394.9	31.83	∞	1030294	251.561 ng/ml
Doxylamine	4.585	8414566	441512.8	93.48	3553703.6	1069727	249.454 ng/ml
Duloxetine	5.663	141662	311.1	9.26	466.9	16396	257.239 ng/ml
EDDP	5.266	2760845	221527.4	42.30	1238874.3	543454	247.916 ng/ml
Etizolam	5.807	83056	23807.9	367.82	12674.5	95376	244.424 ng/ml
Fentanyl	5.207	275328	96984.1	135.34	32102.4	544194	25.474 ng/ml
Fluorofentanyl	5.264	135143	217.7	110.70	38941.5	2958	26.839 ng/ml
Fluoxetine	5.720	1041503	60406.7	6.50	119616.1	156007	250.803 ng/ml
Hydrocodone	3.185	665669	5785.3	42.83	∞	193711	236.489 ng/ml
Hydromorphone	1.779	997077	3930.2	72.46	1771.1	135568	257.861 ng/ml
Hydroxyzine	5.729	2147723	518426.6	120.51	813355.9	69773	256.810 ng/ml
Ketamine	4.229	1324284	∞	37.15	7253.0	246336	231.208 ng/ml



AM #28 Multi-Drug Quant. Results

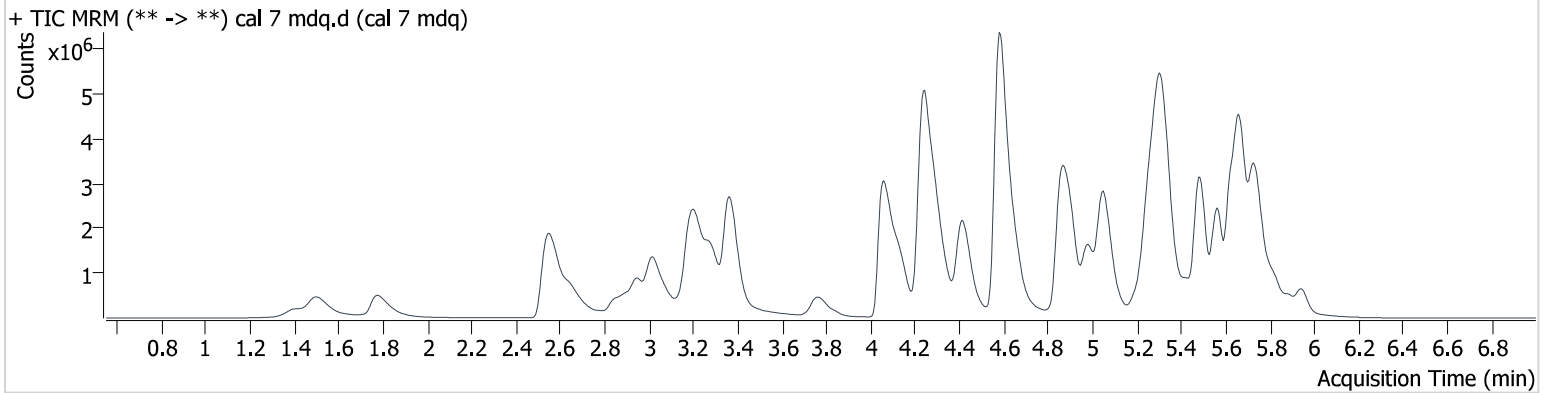
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.356	130599	49940.6	100.64	13493.5	140326	266.097 ng/ml
Lorazepam	5.735	45442	2492.1	41.76	793.8	12692	252.204 ng/ml
MDA	3.171	940801	∞	30.40	∞	180869	239.120 ng/ml
MDMA	3.283	1823860	∞	96.41	359081.2	69773	256.930 ng/ml
Meprobamate	4.886	109609	23884.5	43.24	2888.9	18602	251.727 ng/ml
Methadone	5.668	4826942	539882.8	48.32	1084794.4	704992	253.757 ng/ml
Methamphetamine	3.208	3662462	39952.9	37.72	32441.5	588079	224.450 ng/ml
Metoprolol	4.324	531339	584967.8	100.51	∞	180869	262.928 ng/ml
Mirtazapine	4.874	3137961	2410488.5	50.72	107087.7	69773	249.122 ng/ml
Mitragynine	5.331	962430	1632456.6	31.40	196032.2	862885	252.671 ng/ml
Morphine	1.402	164475	∞	21.82	∞	10740	209.818 ng/ml
Norbuprenorphine	5.010	23499	1529.1	100.20	1428.3	15087	27.412 ng/ml
Nordiazepam	5.888	114370	2783.8	63.80	364162.8	14146	257.565 ng/ml
Norfentanyl	4.076	85841	9150.3	27.80	1035.3	495866	23.562 ng/ml
Norhydrocodone	3.063	230919	∞	30.89	∞	92696	247.290 ng/ml
Noroxycodone	2.899	519961	∞	47.86	2084.1	65399	247.872 ng/ml
O-desmethyl-tramadol	3.364	5307298	713007.1	6.94	79373.5	903580	249.769 ng/ml
O-Desmethylvenlafaxine	4.064	1225445	4682.0	526.30	106606.4	183644	245.887 ng/ml
Oxycodone	2.949	1792650	112742.1	28.71	25176.0	241516	252.662 ng/ml
Oxymorphone	1.500	1416503	∞	41.92	∞	214011	250.527 ng/ml
Phentermine	3.770	574667	∞	9.59	60714.5	322959	237.489 ng/ml
Promethazine	5.564	2699884	∞	39.33	102482.4	518081	254.407 ng/ml
Pseudoephedrine	2.551	5102349	1583957860 451140.0	17.27	∞	862885	253.824 ng/ml
Quetiapine	5.624	2979218	1478242.1	58.77	267581.2	210759	241.046 ng/ml
Sertraline	5.793	170875	41579.2	105.96	17913.7	35348	218.148 ng/ml
Temazepam	5.814	450011	7462.2	33.12	2958.4	81039	242.946 ng/ml
Tramadol	4.247	4763048	∞	4.05	∞	1009343	251.134 ng/ml
Trazodone	5.483	2527837	∞	148.67	564142.4	615115	252.635 ng/ml
Venlafaxine	5.054	4077046	1670540.4	36.93	72052.9	878008	234.347 ng/ml
Xylazine	4.076	294244	616.7	130.42	2135.2	207365	262.182 ng/ml
Zolpidem	5.297	4354320	501625.7	32.41	∞	761776	233.137 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 72723.m	Operator	Anne Nord
Sample Position	P2-G1	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	9/14/2023 11:15:04 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.229	46756	30144.2	147.31	287825.7	23996	50.774 ng/ml
7-aminoclonazepam	4.257	214529	9012.8	111.70	49003.6	20648	502.541 ng/ml
a-hydroxyalprazolam	5.688	47165	∞	63.91	3779.8	4830	495.351 ng/ml
alpha-PHP	4.983	1626134	128906.1	255.28	107703.4	456615	485.951 ng/ml
alpha-PVP	4.418	5310832	488478.2	55.47	200704.5	456615	496.101 ng/ml
Alprazolam	5.762	880637	∞	88.76	8146.6	62359	526.449 ng/ml
Amphetamine	3.025	1552213	2859.6	258.71	167470.4	111492	467.209 ng/ml
Benzoylcegonine	3.837	132738	41923.7	41.23	448632.7	9352	515.909 ng/ml
Bromazolam	5.802	366283	∞	92.11	∞	31488	488.242 ng/ml
Buprenorphine	5.899	289772	46354.0	14.29	12671.1	85335	50.593 ng/ml
Bupropion	4.860	4313016	∞	67.03	90781.3	476016	443.394 ng/ml
Carisoprodol	5.707	732746	∞	61.87	481051.6	55813	474.720 ng/ml
Citalopram	5.233	2685727	97782.6	41.29	∞	246864	504.083 ng/ml
Clonazolam	5.530	255828	1207459.5	38.81	59423.3	11837	534.650 ng/ml
Cocaine	4.292	4175777	711814.1	45.10	795401.9	646832	479.003 ng/ml
Codeine	2.849	446992	3238.0	93.22	28182.9	76441	355.551 ng/ml
Cyclobenzaprine	5.633	2435500	∞	9.79	6424.5	147361	536.524 ng/ml
Dextromethorphan	5.277	1620447	103124.6	75.53	∞	154439	499.050 ng/ml
Dextrorphan	4.131	3130939	644183.4	45.56	127399.2	283290	500.129 ng/ml
Diazepam	5.944	888353	14300.8	85.63	6659.6	74035	526.766 ng/ml
Dihydrocodeine	2.645	1644561	16610.8	64.25	1355.6	164865	497.727 ng/ml
Diphenhydramine	5.325	8411000	867553.2	31.60	∞	724574	513.942 ng/ml
Doxylamine	4.580	16232825	321347.1	94.52	350525.4	1041649	494.221 ng/ml
Duloxetine	5.669	200663	692.2	8.56	352.0	10525	565.652 ng/ml
EDDP	5.266	5329543	∞	42.74	8403483.7	518737	501.222 ng/ml
Etizolam	5.802	120961	21017.2	414.32	53572.8	62359	543.960 ng/ml
Fentanyl	5.207	516278	38965.8	139.60	∞	531826	48.895 ng/ml
Fluorofentanyl	5.259	170805	129501.5	102.21	3443.8	2093	47.975 ng/ml
Fluoxetine	5.720	1584636	∞	6.79	133739.4	120547	494.936 ng/ml
Hydrocodone	3.185	1032423	2725.2	42.65	∞	172846	411.718 ng/ml
Hydromorphone	1.779	1751387	419.1	72.51	56.5	129141	475.682 ng/ml
Hydroxyzine	5.729	3268198	1440208.7	114.98	1043017.7	60727	449.328 ng/ml
Ketamine	4.219	1927672	3842052.1	38.01	23405.2	202243	410.809 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.356	175898	23321.1	103.55	92356.4	111492	451.310 ng/ml
Lorazepam	5.740	74161	45021.1	44.25	75805.9	10437	506.908 ng/ml
MDA	3.166	1181915	405678.6	28.38	10845.1	125199	434.737 ng/ml
MDMA	3.283	3023050	302370.7	95.74	195566.1	60727	489.154 ng/ml
Meprobamate	4.881	138392	3395.2	44.29	10437.3	13162	449.631 ng/ml
Methadone	5.668	8159522	329891.6	48.45	107831.5	602303	501.977 ng/ml
Methamphetamine	3.208	5618115	62121.7	37.66	32908.4	557539	366.676 ng/ml
Metoprolol	4.319	711773	∞	100.06	∞	125199	508.286 ng/ml
Mirtazapine	4.869	4638488	66199.2	50.82	∞	60727	423.544 ng/ml
Mitragynine	5.336	1577539	181506.8	32.66	105742.4	769987	464.041 ng/ml
Morphine	1.402	345736	∞	18.57	∞	10147	466.952 ng/ml
Norbuprenorphine	5.010	34617	4537.2	100.46	4970.2	12197	50.155 ng/ml
Nordiazepam	5.888	199184	43786.2	59.42	∞	11837	536.077 ng/ml
Norfentanyl	4.081	105920	4891.0	29.48	11283.6	356373	40.518 ng/ml
Norhydrocodone	3.068	393281	∞	30.19	∞	78998	494.038 ng/ml
Noroxycodone	2.899	841599	∞	45.89	4857.8	51150	512.341 ng/ml
O-desmethyl-tramadol	3.364	9785805	907379.2	6.76	246535.8	855837	486.223 ng/ml
O-Desmethylvenlafaxine	4.059	1829075	4462.9	525.66	241558.2	139979	481.828 ng/ml
Oxycodone	2.949	3245649	111220.9	28.52	67827.8	220568	500.596 ng/ml
Oxymorphone	1.500	2302795	∞	43.07	∞	174100	500.512 ng/ml
Phentermine	3.765	964000	3488.6	9.13	∞	298493	431.603 ng/ml
Promethazine	5.566	4997060	402202.9	38.49	68785.3	477690	510.344 ng/ml
Pseudoephedrine	2.551	8906117	35209.3	17.36	253537.4	769987	496.669 ng/ml
Quetiapine	5.624	4245010	∞	60.73	296266590.7	170873	424.281 ng/ml
Sertraline	5.793	260545	91840.1	124.01	43263.9	23611	497.228 ng/ml
Temazepam	5.814	683765	33646.2	32.05	3877.5	58323	512.456 ng/ml
Tramadol	4.243	7908991	∞	3.96	∞	876450	481.286 ng/ml
Trazodone	5.483	4277405	141393.9	147.86	1384131.9	606847	434.083 ng/ml
Venlafaxine	5.049	7536558	1180429.0	36.14	65787.5	762352	497.691 ng/ml
Xylazine	4.076	496402	2277.4	135.74	3188.0	184362	498.236 ng/ml
Zolpidem	5.297	6780996	∞	32.11	161367.6	531555	519.735 ng/ml

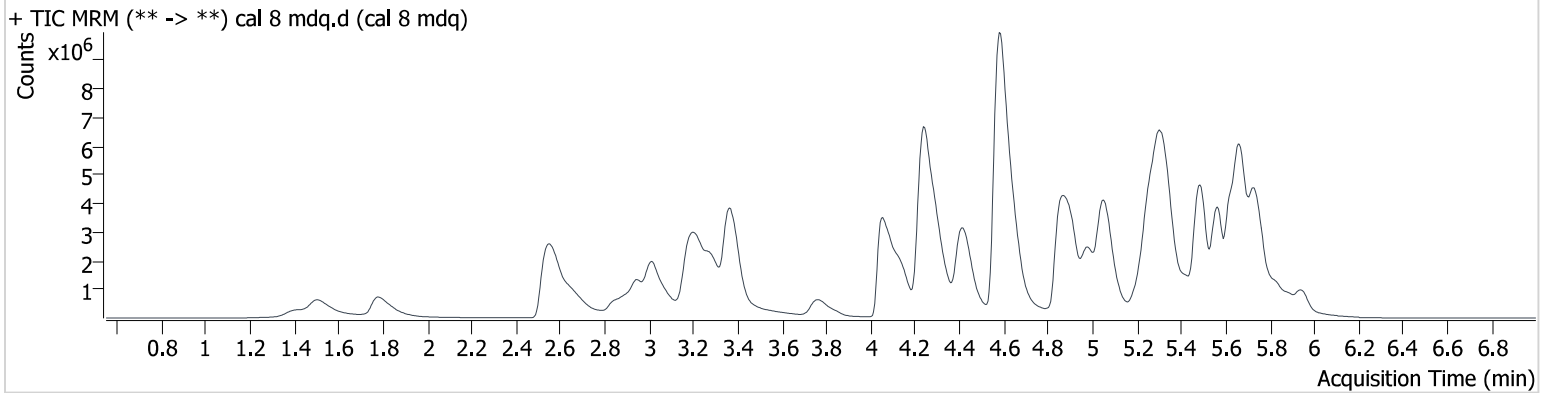
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\091423\QuantResults\mdq.batch.bin
Calibration Last Update 9/15/2023 9:20:32 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-H1
Injection Volume 3
Acq. Date-Time 9/14/2023 11:32:30 AM
Sample Info.

Data File cal 8 mdq.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	3.229	54282	94299.1	143.88	∞	12432	113.691 ng/ml
7-aminoclonazepam	4.262	231371	33531.1	109.70	9592.0	11865	943.223 ng/ml
a-hydroxyalprazolam	5.693	62918	∞	60.69	∞	2977	1071.669 ng/ml
alpha-PHP	4.983	2397965	583392.9	268.91	483438.1	370437	883.281 ng/ml
alpha-PVP	4.418	8495899	1218881.5	54.92	373266.1	370437	978.238 ng/ml
Alprazolam	5.762	1108016	∞	92.43	66075.7	41550	993.757 ng/ml
Amphetamine	3.020	2266124	56827.0	242.33	183434.5	74033	1028.055 ng/ml
Benzoylcegonine	3.837	252773	22631.7	43.09	9115.4	9283	989.529 ng/ml
Bromazolam	5.802	496030	∞	79.54	∞	20310	1024.626 ng/ml
Buprenorphine	5.899	455687	66615.9	15.46	5744.9	71801	94.580 ng/ml
Bupropion	4.854	5803423	∞	65.72	1228036.2	404217	702.820 ng/ml
Carisoprodol	5.707	780966	635826.0	62.31	60620.3	30535	924.965 ng/ml
Citalopram	5.228	3501604	228417.3	41.67	29263301.8	173042	937.443 ng/ml
Clonazolam	5.530	384094	17525.8	39.34	23307.7	9726	975.441 ng/ml
Cocaine	4.294	6136820	∞	43.60	∞	443323	1027.141 ng/ml
Codeine	2.844	654641	35651.8	92.69	3193.5	68058	585.255 ng/ml
Cyclobenzaprine	5.628	2912273	2610101.1	11.76	136240.9	102558	921.809 ng/ml
Dextromethorphan	5.267	2081892	86299.8	75.22	532066.7	101019	979.904 ng/ml
Dextrophan	4.136	4483924	585970.6	45.39	93134.2	200569	1011.157 ng/ml
Diazepam	5.949	1412459	33519.7	86.22	∞	61883	1002.101 ng/ml
Dihydrocodeine	2.645	2507580	17229.3	64.71	6302.4	125732	995.020 ng/ml
Diphenhydramine	5.330	10982196	∞	30.80	147285.7	459038	1058.456 ng/ml
Doxylamine	4.585	27902370	1370428.9	95.41	906357.2	916948	965.056 ng/ml
Duloxetine	5.679	191307	198.1	9.23	919.5	6168	919.164 ng/ml
EDDP	5.266	8730153	289952.5	42.65	∞	426987	997.304 ng/ml
Etizolam	5.807	168503	206602.0	377.19	1026162.6	41550	1136.833 ng/ml
Fentanyl	5.202	943129	∞	142.50	∞	516938	91.910 ng/ml
Fluorofentanyl	5.253	189673	90350.5	100.40	106085.5	1307	85.348 ng/ml
Fluoxetine	5.720	2047438	151995.8	6.87	187177.2	79413	971.809 ng/ml
Hydrocodone	3.180	1407124	∞	40.56	∞	141132	687.840 ng/ml
Hydromorphone	1.779	2795343	∞	74.84	5151.1	110228	889.698 ng/ml
Hydroxyzine	5.729	4442525	2318343.5	115.27	2338845.0	41339	897.681 ng/ml
Ketamine	4.214	2220129	2375135.8	37.83	28405.4	151182	633.550 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.361	219332	∞	104.92	32596.3	74033	847.771 ng/ml
Lorazepam	5.740	113139	57854.5	42.54	3593.6	8297	978.731 ng/ml
MDA	3.156	1271621	131457.4	30.11	36493.7	82979	706.303 ng/ml
MDMA	3.283	4099971	1039284.6	94.67	649488.1	41339	974.400 ng/ml
Meprobamate	4.881	155040	12166.9	44.08	4152.7	8281	801.074 ng/ml
Methadone	5.668	12815499	93559.6	46.32	3037871.1	476480	996.499 ng/ml
Methamphetamine	3.208	7649857	167889.2	37.94	57716.2	495961	564.292 ng/ml
Metoprolol	4.324	850498	2519778.9	97.33	∞	82979	915.917 ng/ml
Mirtazapine	4.864	5635564	128714.4	50.96	111698.9	41339	756.433 ng/ml
Mitragynine	5.341	2410834	4184368.3	29.91	∞	603421	904.815 ng/ml
Morphine	1.402	514227	∞	18.95	∞	9308	757.117 ng/ml
Norbuprenorphine	5.010	38346	4952.7	109.67	3748.4	6986	97.235 ng/ml
Nordiazepam	5.888	295441	14357.5	61.72	397849.5	9726	967.760 ng/ml
Norfentanyl	4.081	100878	3525.7	29.69	2499.9	224277	61.364 ng/ml
Norhydrocodone	3.063	574412	∞	31.16	∞	59631	955.799 ng/ml
Noroxycodone	2.899	1063683	∞	45.10	740.8	46548	711.331 ng/ml
O-desmethyl-tramadol	3.364	15897937	574809.3	6.66	13140052.5	702937	961.731 ng/ml
O-Desmethylvenlafaxine	4.054	2250583	32170.4	520.08	177843.4	87125	952.874 ng/ml
Oxycodone	2.949	5468787	161552.3	28.62	106801.4	184420	1008.498 ng/ml
Oxymorphone	1.505	3266147	∞	42.87	∞	123803	998.172 ng/ml
Phentermine	3.765	1465034	∞	8.98	6947.1	257952	759.538 ng/ml
Promethazine	5.564	8591885	∞	37.08	1000899.1	387233	1082.081 ng/ml
Pseudoephedrine	2.551	13673019	∞	16.91	∞	603421	973.151 ng/ml
Quetiapine	5.619	5240613	∞	58.54	1213318.4	120072	746.052 ng/ml
Sertraline	5.793	333828	30905.8	106.45	37048.1	13728	1095.024 ng/ml
Temazepam	5.814	925735	31337.4	32.02	44315.6	40234	1005.327 ng/ml
Tramadol	4.238	11237990	∞	3.91	∞	594793	1008.962 ng/ml
Trazodone	5.483	6276966	1182778.0	153.48	∞	548564	705.354 ng/ml
Venlafaxine	5.054	12156933	423566.2	35.43	153500.7	596556	1024.769 ng/ml
Xylazine	4.076	774760	3072.9	130.55	1158.7	146166	981.618 ng/ml
Zolpidem	5.297	9658804	∞	31.99	3873397296 6916000.0	346979	1133.563 ng/ml