

REVIEWED

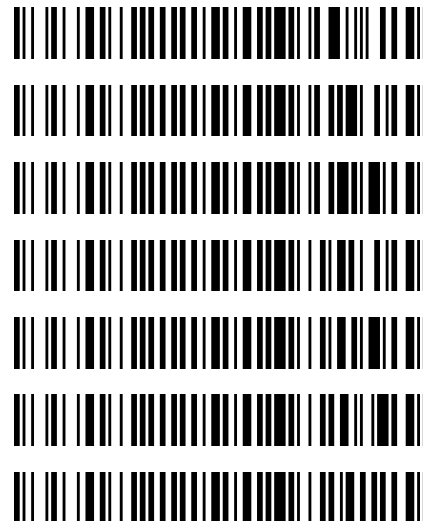
By Anne Nord at 11:18 am, May 17, 2024

NAB

5/13/2024

Worklist: 6816

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2024-0776	1	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
C2024-0776	2	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
C2024-0776	3	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
C2024-0776	4	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
C2024-0776	5	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
C2024-0776	6	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-0776	7	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Web

Extraction Date: 05/06/24

Plate lot#: 231215

Mobile phase A: 5mM Amm Form + 0.01% FA

Blank Blood Lot: 24C52042

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

Analyst: Mikel Buffaloe

Plate Retest Date: 06/15/2024

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: 1324

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:** In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- ☒ 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: P31168J**
- ☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: 300
- ☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right).**
- ☒ 8. Wait 5 minutes.
- ☒ 9. Add **900uL ethyl acetate.**
- ☒ 10. Wait 5 minutes.
- ☒ 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 12. Add **900uL ethyl acetate.**
- ☒ 13. Wait 5 minutes.
- ☒ 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. ☒ If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).
- ☒ 16. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

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: *Limitations*

7-aminonclonazepam	5-500 dropped cal 8 due to accuracy
α-hydroxyalprazolam	NE, cal 1 ratio out
α-PVP	5-500 acc cal 8 due to accuracy
amphetamine	5-250 dropped cal 7 & 8 due to accuracy
buprenorphine	0.5-25 dropped cal 7 & 8 due to accuracy
carisoprodol	5-500 dropped cal 8 due to accuracy
dihydrocodeine	5-500 dropped cal 8 due to accuracy
ketamine	5-500 dropped cal 8 due to accuracy

WAB

MDA	5-500 dropped cal 8 due to accuracy
methamphetamine	5-500 dropped cal 8 due to accuracy
Norhydrocodone	NE, QC ratio out
olanzapine	5-500 dropped cal 8 due to accuracy
phentermine	5-500 dropped cal 8 due to accuracy
sertraline	QC 10 over 120%; qualitative
trazadone	5-500 dropped cal 8 due to accuracy

Urine samples were not put on the worklist and were run the next morning.

WAB

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1	Negative urine					
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2	Item 1					
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3	Item 2					
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4	Item 4					
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2	Item 3					
F	IS + Cal. 6				IS + Cal. 6	neg blood	Item 5					
G	IS + Cal. 7				IS + Cal. 7	Item 6						
H	IS + Cal. 8				IS + Cal. 8	Item 7						

blank in front

plate position 2

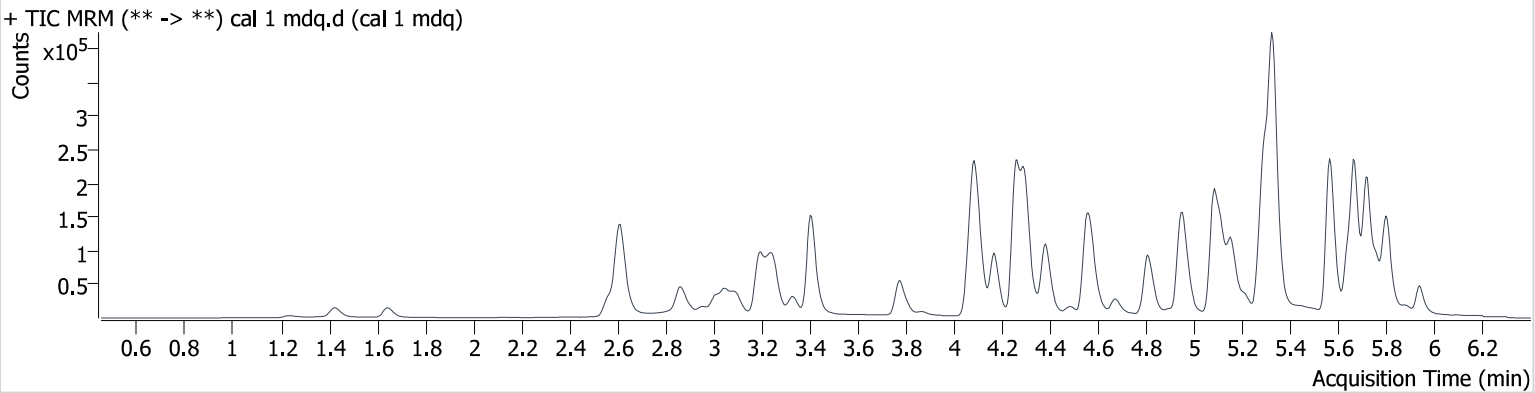
c2024-____-__

MB

AM #28 Multi-Drug Quant. Results

Batch results		D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin	
Calibration Last Update		5/13/2024 11:55:35 AM	
Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdqp1 121523.m	Operator	Mikel Buffaloe
Sample Position	P2-A5	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	2		
Acq. Date-Time	5/6/2024 12:18:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.192	502	1487.0	134.01	4633.1	29659	0.501	ng/ml
7-aminoclonazepam	4.278	5337	∞	122.01	22231.4	65144	4.913	ng/ml
a-hydroxyalprazolam	5.695	950	15165.0	81.42	2862.2	10875	5.087	ng/ml
alpha-PHP	4.969	9181	920.0	256.44	4782.7	84601	4.887	ng/ml
alpha-PVP	4.394	26236	∞	61.05	2429.1	236424	5.026	ng/ml
Alprazolam	5.769	11989	1138.5	100.91	794.6	98442	4.978	ng/ml
Amphetamine	3.089	16142	1796.4	264.89	4363.6	84601	4.869	ng/ml
Benzoylecgonine	3.890	784	777.8	41.99	20.1	3757	5.219	ng/ml
Bromazolam	5.809	5970	122.8	89.21	262.4	46880	4.931	ng/ml
Buprenorphine	5.813	1103	40.7	14.98	37.9	31854	0.510	ng/ml
Bupropion	4.825	29994	5006.3	74.93	2321.7	206333	5.064	ng/ml
Carisoprodol	5.719	12338	∞	65.86	277.5	82024	4.819	ng/ml
Citalopram	5.277	24090	2264.4	37.50	28198.0	208558	4.978	ng/ml
Clonazepam	5.617	1449	3696.1	42.76	∞	7511	4.668	ng/ml
Clonazolam	5.553	2407	230.6	32.81	983.7	14391	5.210	ng/ml
Cocaine	4.298	27614	4310.0	42.99	2404.6	392475	5.037	ng/ml
Codeine	2.636	2820	490.5	95.82	516.7	23990	4.853	ng/ml
Cyclobenzaprine	5.645	30708	15065.3	10.16	496.1	202012	4.919	ng/ml
Dextromethorphan	5.311	16077	∞	75.34	119137.4	171334	4.896	ng/ml
Dextrorphan	4.173	19489	190819.8	43.80	∞	205492	4.890	ng/ml
Diazepam	5.946	7915	5086.9	88.83	4612.6	72916	5.017	ng/ml
Dihydrocodeine	2.600	7422	567.6	62.02	876.3	83830	4.677	ng/ml
Diphenhydramine	5.332	83430	180546.1	34.02	33731.1	773484	4.985	ng/ml
Doxylamine	4.576	67497	11602.1	92.82	26853.8	372736	4.887	ng/ml
Duloxetine	5.671	5597	308.8	7.40	56.7	40758	4.420	ng/ml
EDDP	5.294	34517	∞	41.89	∞	312857	5.050	ng/ml
Etizolam	5.809	1464	617.5	375.94	755.5	98442	4.932	ng/ml
Fentanyl	5.132	2894	5444.4	128.36	951.4	237384	0.508	ng/ml
Fluorofentanyl	5.188	2796	1501.6	116.38	41.4	3102	0.493	ng/ml
Fluoxetine	5.727	36841	3306.0	6.37	2363.7	268487	4.920	ng/ml
Hydrocodone	3.076	8814	1393.1	38.44	∞	91519	4.943	ng/ml
Hydromorphone	1.653	5252	3236.1	70.84	∞	35391	4.913	ng/ml
Hydroxyzine	5.725	29508	659.6	103.39	4184.6	773484	4.764	ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.082	19138	2825.1	36.69	441.1	170680	4.770 ng/ml
Lamotrigine	4.351	1732	86188.0	110.83	∞	82024	5.923 ng/ml
Lorazepam	5.747	831	262.5	41.33	13.8	13520	4.887 ng/ml
MDA	3.252	20167	2197.7	34.85	467.1	157560	4.764 ng/ml
MDMA	3.338	18753	3514.9	106.31	819.6	35312	4.823 ng/ml
Meprobamate	4.924	2347	428.4	58.72	232.1	16851	4.855 ng/ml
Methadone	5.670	33323	8261.0	70.56	9225.9	357534	5.123 ng/ml
Methamphetamine	3.258	61039	6898.4	35.93	2712.1	237297	4.436 ng/ml
Metoprolol	4.350	7331	33008.6	93.45	∞	208558	5.009 ng/ml
Mirtazapine	4.674	38193	3058.2	51.05	1295.5	321077	5.051 ng/ml
Mitragynine	5.270	9893	34934.7	26.40	∞	23990	5.276 ng/ml
Morphine	1.246	958	87.8	19.79	20.1	2600	4.957 ng/ml
Norbuprenorphine	5.038	211	1328.1	100.23	307.2	6145	0.524 ng/ml
Nordiazepam	5.890	2120	439.5	62.49	954.2	14391	5.104 ng/ml
Norfentanyl	4.113	1677	681.9	26.18	870.9	367171	0.524 ng/ml
Norhydrocodone	3.122	1405	381.6	17.92	∞	24168	5.941 ng/ml
Noroxycodone	2.978	4739	1153.8	53.92	∞	35022	4.987 ng/ml
O-desmethyl-tramadol	3.414	48412	39375.0	7.99	742.8	353956	4.864 ng/ml
O-Desmethylvenlafaxine	4.111	13850	529.0	558.76	2051.3	9423	4.827 ng/ml
Olanzapine	4.559	7087	6295.8	43.49	130.1	34349	5.025 ng/ml
Oxazepam	5.754	1312	183.2	70.00	61.6	13520	5.117 ng/ml
Oxycodone	2.890	14942	620.2	31.44	1193.5	133938	4.906 ng/ml
Oxymorphone	1.430	5762	∞	40.02	∞	48069	5.013 ng/ml
Phentermine	3.812	7202	159.4	11.69	430.9	143465	4.717 ng/ml
Promethazine	5.566	30244	142240.8	41.82	1602.2	377490	5.116 ng/ml
Pseudoephedrine	2.624	49516	4431.0	18.43	6233.6	321077	4.878 ng/ml
Quetiapine	5.579	37121	16410.7	67.38	15176.2	110528	4.956 ng/ml
Sertraline	5.795	10901	2320.3	98.28	4716.7	98745	4.957 ng/ml
Temazepam	5.816	11291	722.6	31.00	28.2	101185	5.111 ng/ml
Tramadol	4.270	49419	∞	4.88	169.6	442116	4.981 ng/ml
Trazodone	5.213	23974	2076.9	134.39	1890.5	271120	4.907 ng/ml
Venlafaxine	5.081	35216	58553.5	37.15	∞	431398	5.143 ng/ml
Xylazine	4.098	3081	100.6	129.90	91.5	134912	4.847 ng/ml
Zolpidem	4.967	48012	52592.2	29.32	843.3	382225	4.939 ng/ml

MB

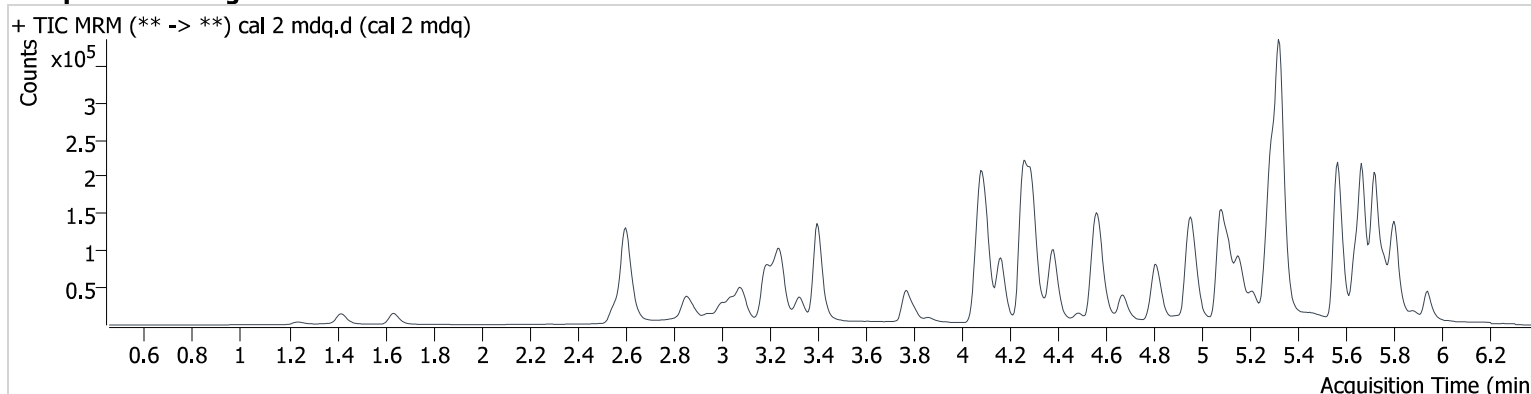
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:27:04 PM
Sample Info.

Data File cal 2 mdq.d
Sample cal 2 mdq
Operator Mikel Buffaloe
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	3.182	841	6047.4	128.16	2581.7	23726	1.021 ng/ml
7-aminoclonazepam	4.273	8466	27935.8	122.40	43780.6	53083	9.934 ng/ml
a-hydroxyalprazolam	5.695	1572	∞	62.57	465.6	8557	9.963 ng/ml
alpha-PHP	4.964	14568	4711.6	249.77	49558.1	69783	10.041 ng/ml
alpha-PVP	4.389	42778	2940.9	59.41	4024.4	188797	9.896 ng/ml
Alprazolam	5.769	20926	31454.3	99.74	5895.0	80485	10.057 ng/ml
Amphetamine	3.084	23909	323.5	276.89	5629.1	69783	10.121 ng/ml
Benzoylecgonine	3.885	1095	905.4	48.23	142.5	3195	9.328 ng/ml
Bromazolam	5.804	9061	800.7	95.45	846.1	36762	9.897 ng/ml
Buprenorphine	5.818	1931	116.8	15.18	71.1	25400	1.003 ng/ml
Bupropion	4.820	46012	13412.7	76.06	1012.3	155048	9.708 ng/ml
Carisoprodol	5.714	19489	43794.2	66.24	556.9	61595	10.432 ng/ml
Citalopram	5.272	38595	5326.1	38.26	46582.3	163583	9.977 ng/ml
Clonazepam	5.607	2950	5279.8	35.04	1171.9	5066	11.664 ng/ml
Clonazolam	5.548	3910	1038.8	42.00	979.0	12050	9.329 ng/ml
Cocaine	4.293	43068	2068.8	44.11	1821.8	312946	9.901 ng/ml
Codeine	2.631	4648	622.9	85.93	1892.9	19711	10.333 ng/ml
Cyclobenzaprine	5.640	52029	28578.1	9.89	1420.1	159773	10.351 ng/ml
Dextromethorphan	5.305	26746	64617.9	76.32	∞	131244	10.470 ng/ml
Dextrorphan	4.163	31768	∞	45.89	70091.2	168208	9.884 ng/ml
Diazepam	5.946	13144	1818.1	84.24	∞	59271	9.978 ng/ml
Dihydrocodeine	2.590	12222	7757.4	64.31	390.7	68060	10.688 ng/ml
Diphenhydramine	5.327	133248	365490.3	35.29	106029.5	602397	9.773 ng/ml
Doxylamine	4.571	103770	958978.4	95.51	609025.8	298335	9.912 ng/ml
Duloxetine	5.665	9874	748.7	7.91	145.6	31010	10.414 ng/ml
EDDP	5.294	55986	23660.4	44.16	106969.5	266577	9.759 ng/ml
Etizolam	5.804	2291	603.7	400.48	3466.1	80485	10.095 ng/ml
Fentanyl	5.127	4524	316.2	124.38	1731.8	190131	0.971 ng/ml
Fluorofentanyl	5.183	4207	298.7	118.07	105.2	2282	1.051 ng/ml
Fluoxetine	5.727	59546	191405.1	6.15	4227.5	211504	10.079 ng/ml
Hydrocodone	3.070	13899	2295.7	41.37	∞	74028	9.868 ng/ml
Hydromorphone	1.643	9259	∞	73.50	1846.6	29463	10.310 ng/ml
Hydroxyzine	5.720	47953	22181.7	100.80	2187.8	602397	10.279 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.077	29980	2934.1	39.12	2053.0	132792	10.404 ng/ml
Lamotrigine	4.341	2705	5979.1	109.25	∞	61595	10.397 ng/ml
Lorazepam	5.742	1555	481.5	33.18	13.5	11248	9.997 ng/ml
MDA	3.241	32881	3601.9	32.99	2547.2	129557	10.430 ng/ml
MDMA	3.328	30905	140338.3	104.33	5440.0	28201	10.337 ng/ml
Meprobamate	4.913	3751	535.1	52.17	381.9	13098	10.354 ng/ml
Methadone	5.670	51064	5593.9	74.63	∞	278819	9.640 ng/ml
Methamphetamine	3.247	84795	11489.3	34.54	892.3	188249	10.697 ng/ml
Metoprolol	4.345	11428	∞	99.64	∞	163583	9.870 ng/ml
Mirtazapine	4.669	60810	116832.8	53.35	5157.5	253439	9.886 ng/ml
Mitragynine	5.265	15629	42353.6	28.18	10068.7	19711	9.531 ng/ml
Morphine	1.246	1721	379.0	19.92	107.6	2382	10.119 ng/ml
Norbuprenorphine	5.032	288	386.8	92.42	493.8	5010	0.934 ng/ml
Nordiazepam	5.890	3442	699.7	66.13	408.7	12050	9.638 ng/ml
Norfentanyl	4.108	2482	1005.9	29.35	1799.1	303520	0.943 ng/ml
Norhydrocodone	3.117	2031	∞	18.48	∞	18316	10.312 ng/ml
Noroxycodone	2.968	7609	1319.7	55.04	∞	28664	9.753 ng/ml
O-desmethyl-tramadol	3.404	75761	400429.3	7.89	15317.2	274065	10.166 ng/ml
O-Desmethylvenlafaxine	4.106	22768	879.9	546.52	7344.2	7206	10.523 ng/ml
Olanzapine	4.559	11025	812.7	47.03	2699.2	30912	9.303 ng/ml
Oxazepam	5.749	2098	1716.2	73.32	128.6	11248	9.309 ng/ml
Oxycodone	2.885	23933	2051.2	29.85	732.2	106323	10.140 ng/ml
Oxymorphone	1.420	9177	∞	41.50	1606.1	39765	9.808 ng/ml
Phentermine	3.807	11917	583.4	12.55	158.5	114723	10.593 ng/ml
Promethazine	5.566	48499	10113.3	43.09	6260.7	310050	9.571 ng/ml
Pseudoephedrine	2.608	80904	6480.2	19.04	9095.2	253439	10.255 ng/ml
Quetiapine	5.579	57108	1578.1	68.29	2222.8	85663	9.940 ng/ml
Sertraline	5.795	17152	5986.5	87.61	21402.8	73311	10.194 ng/ml
Temazepam	5.811	18258	820.6	31.99	478.6	82136	9.771 ng/ml
Tramadol	4.270	75999	3686.3	4.67	258.8	360726	9.729 ng/ml
Trazodone	5.213	38300	6418.3	133.76	12514.6	213670	9.969 ng/ml
Venlafaxine	5.076	55317	19013.5	36.64	532.3	326089	9.663 ng/ml
Xylazine	4.093	4911	26.1	130.71	4385.5	106778	10.164 ng/ml
Zolpidem	4.967	76696	383554.9	29.39	41694.5	311167	9.973 ng/ml

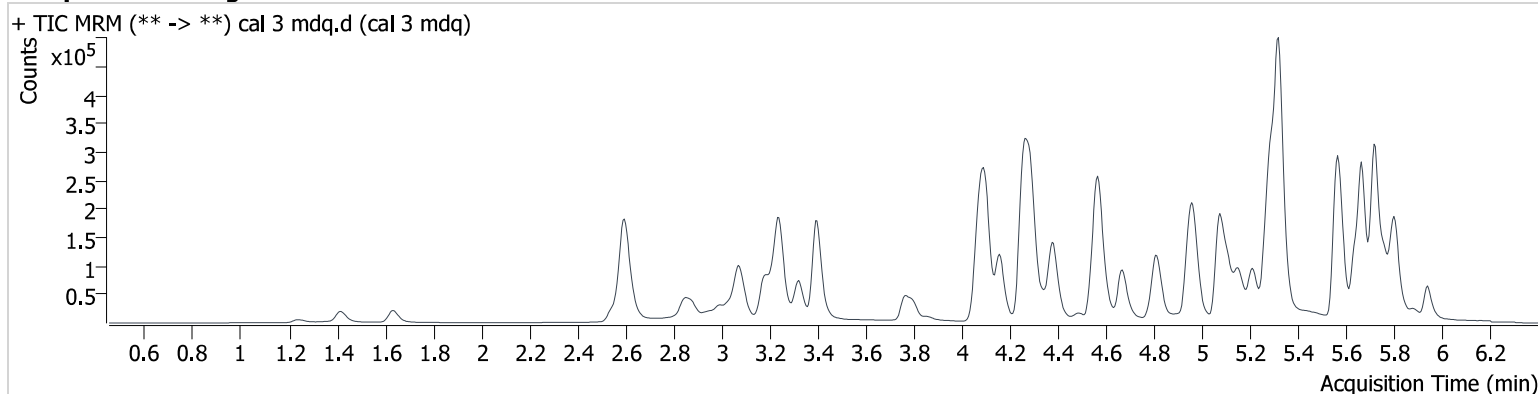
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:35:46 PM
Sample Info.

Data File cal 3 mdq.d
Sample cal 3 mdq
Operator Mikel Buffaloe
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	3.177	1935	15478.8	136.09	9627.2	23530	2.330 ng/ml
7-aminoclonazepam	4.273	20967	65897.4	122.37	∞	50749	26.356 ng/ml
a-hydroxyalprazolam	5.690	3909	∞	64.18	∞	8465	24.041 ng/ml
alpha-PHP	4.959	36711	3874.0	243.68	5996.8	68687	26.788 ng/ml
alpha-PVP	4.384	107792	43158.7	59.04	8501.8	185155	24.874 ng/ml
Alprazolam	5.764	53189	7904.9	95.47	1981.0	80139	24.890 ng/ml
Amphetamine	3.079	57124	518.0	289.92	5080.9	68687	27.039 ng/ml
Benzoylecgonine	3.880	2695	∞	44.23	140.1	2908	27.236 ng/ml
Bromazolam	5.804	22452	1327.5	96.13	1214.1	35072	26.308 ng/ml
Buprenorphine	5.818	4761	363.9	13.93	228.0	25194	2.350 ng/ml
Bupropion	4.815	114733	3485.3	75.72	4733.6	144467	24.966 ng/ml
Carisoprodol	5.714	48687	144013.4	67.55	3091.4	62377	26.126 ng/ml
Citalopram	5.266	97914	35750.6	35.97	126730.4	160382	25.524 ng/ml
Clonazepam	5.607	6898	∞	37.56	4743.8	5550	23.533 ng/ml
Clonazolam	5.548	10015	949.2	41.62	1065.8	11454	23.740 ng/ml
Cocaine	4.288	106412	33417.4	45.86	11777.4	310763	24.710 ng/ml
Codeine	2.621	11270	1548.1	89.01	1823.8	19490	26.204 ng/ml
Cyclobenzaprine	5.640	117770	2794.4	10.30	2009.0	153379	24.184 ng/ml
Dextromethorphan	5.300	64941	166471.9	73.40	163895.6	132965	24.899 ng/ml
Dextrorphan	4.163	78525	743172.1	44.85	86892.1	165533	25.048 ng/ml
Diazepam	5.946	33234	∞	88.77	40729.8	58928	24.975 ng/ml
Dihydrocodeine	2.585	29708	840.3	67.60	1385.3	67665	27.817 ng/ml
Diphenhydramine	5.327	338084	60332.8	33.70	22065.9	558028	26.021 ng/ml
Doxylamine	4.571	269371	3744011.6	93.13	171270.1	295044	26.942 ng/ml
Duloxetine	5.665	21608	296.8	8.45	1303.4	29056	24.492 ng/ml
EDDP	5.289	131545	7481579.8	41.73	93870.1	247647	24.932 ng/ml
Etizolam	5.804	5538	1196.7	388.97	1819.6	80139	25.539 ng/ml
Fentanyl	5.127	11448	1106.5	128.60	1711.9	184180	2.502 ng/ml
Fluorofentanyl	5.178	9784	14059.8	129.45	361.3	2436	2.337 ng/ml
Fluoxetine	5.722	138625	∞	6.27	4766.4	190710	25.999 ng/ml
Hydrocodone	3.060	35093	1609.3	38.61	2479.1	71565	26.163 ng/ml
Hydromorphone	1.638	21420	∞	70.34	∞	27313	25.601 ng/ml
Hydroxyzine	5.720	120396	15779.9	101.08	11670.9	558028	28.392 ng/ml

WAB

AM #28 Multi-Drug Quant. Results

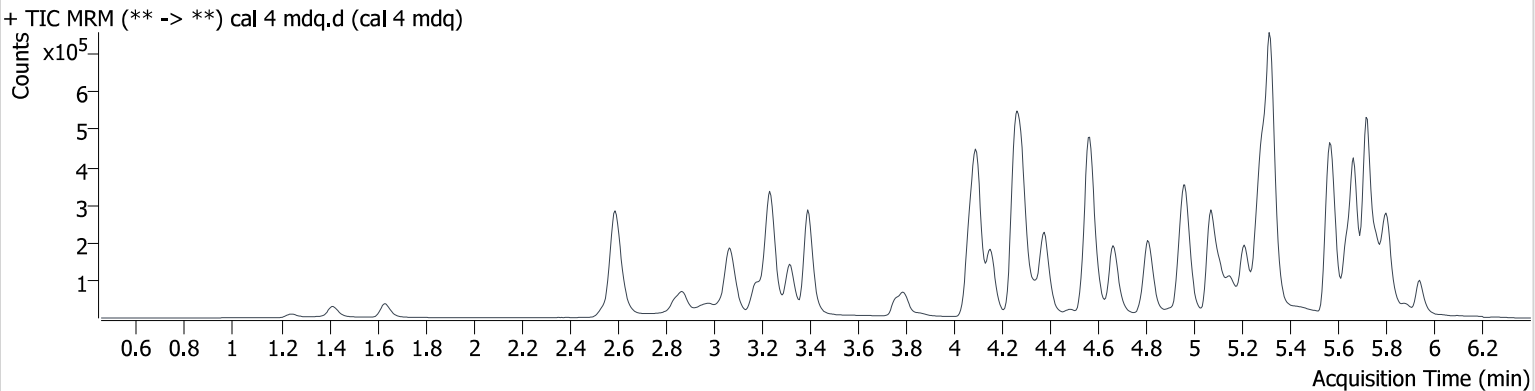
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.077	74422	23539.4	38.20	686.3	131563	27.255 ng/ml
Lamotrigine	4.336	6368	13686.2	110.52	∞	62377	21.814 ng/ml
Lorazepam	5.742	4058	117.5	33.95	39.7	10464	26.599 ng/ml
MDA	3.236	78056	8199.1	34.18	∞	124892	27.149 ng/ml
MDMA	3.323	78704	131075.0	101.37	4559.9	28420	26.672 ng/ml
Meprobamate	4.913	8787	1706.8	55.29	311.1	12703	25.509 ng/ml
Methadone	5.670	127584	189322789.1	73.30	4991017.4	273557	23.863 ng/ml
Methamphetamine	3.242	185803	45481.3	35.49	8292.0	190552	27.697 ng/ml
Metoprolol	4.345	28892	250484.6	97.76	∞	160382	25.315 ng/ml
Mirtazapine	4.669	154182	10240.3	52.83	7416.8	252296	24.719 ng/ml
Mitragynine	5.260	36901	47529.4	27.98	39966.2	19490	21.838 ng/ml
Morphine	1.246	4031	976.4	20.07	118.2	2336	24.747 ng/ml
Norbuprenorphine	5.032	705	24198.2	108.64	1457.7	5047	2.385 ng/ml
Nordiazepam	5.890	8442	2104.5	63.13	5603.5	11454	24.435 ng/ml
Norfentanyl	4.103	5995	18774.8	30.72	∞	297908	2.331 ng/ml
Norhydrocodone	3.112	5363	572.7	19.39	∞	18821	24.727 ng/ml
Noroxycodone	2.957	19124	∞	52.00	∞	26716	26.244 ng/ml
O-desmethyl-tramadol	3.399	189344	3910459.3	7.89	3142.7	269918	26.301 ng/ml
O-Desmethylvenlafaxine	4.101	57932	1775.0	537.25	56481.8	7557	25.714 ng/ml
Olanzapine	4.559	31781	6144.6	43.42	899.1	32272	27.180 ng/ml
Oxazepam	5.749	5645	909.0	63.25	893.6	10464	25.836 ng/ml
Oxycodone	2.875	58948	∞	29.92	1967.2	104576	25.745 ng/ml
Oxymorphone	1.415	23445	∞	44.22	∞	40149	25.074 ng/ml
Phentermine	3.802	29333	844.4	11.54	271.3	113480	27.519 ng/ml
Promethazine	5.561	123610	362152.3	43.68	214332.8	295670	24.848 ng/ml
Pseudoephedrine	2.603	202852	25004.1	18.29	∞	252296	26.055 ng/ml
Quetiapine	5.574	148538	54478.9	63.87	19436.7	86874	25.658 ng/ml
Sertraline	5.795	39984	3379.1	88.00	5300.7	68980	24.843 ng/ml
Temazepam	5.811	43119	7857.3	32.51	1476.5	77801	23.741 ng/ml
Tramadol	4.264	193367	∞	4.34	∞	350134	26.128 ng/ml
Trazodone	5.208	102542	8272.4	125.29	21348.6	214042	26.678 ng/ml
Venlafaxine	5.076	139954	118690.6	37.20	6781.2	309350	24.189 ng/ml
Xylazine	4.093	11973	90.7	132.86	1606.1	100388	26.995 ng/ml
Zolpidem	4.967	194669	24379.9	30.55	411138.6	309508	25.904 ng/ml

MB

AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin		
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Type	Cal	Sample	cal 4 mdq
Acq. Method	mdqp1 121523.m	Operator	Mikel Buffaloe
Sample Position	P2-D5	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	2		
Acq. Date-Time	5/6/2024 12:44:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.172	4436	5402.3	133.23	14458.9	25036	4.991	ng/ml
7-aminoclonazepam	4.268	45418	1336377.0	120.49	801735.9	53971	54.088	ng/ml
a-hydroxyalprazolam	5.690	8263	3362.7	62.05	∞	9007	47.117	ng/ml
alpha-PHP	4.959	76058	11210.8	252.06	69101.6	72998	52.880	ng/ml
alpha-PVP	4.384	232538	16116.5	58.77	57453.1	195856	50.361	ng/ml
Alprazolam	5.764	113021	∞	89.50	∞	82638	50.756	ng/ml
Amphetamine	3.074	114814	16279.2	280.11	4616.4	72998	52.681	ng/ml
Benzoylecgonine	3.880	5247	1769.6	35.51	1035.6	3155	49.816	ng/ml
Bromazolam	5.804	45006	1977.2	93.00	∞	35049	53.153	ng/ml
Buprenorphine	5.823	9991	273.7	16.22	195.9	27555	4.420	ng/ml
Bupropion	4.815	247207	41799.2	77.04	13591.2	152798	50.232	ng/ml
Carisoprodol	5.714	96432	306362.8	65.89	∞	60983	53.205	ng/ml
Citalopram	5.266	203135	8047.9	37.77	551381.6	166044	50.962	ng/ml
Clonazepam	5.607	14948	15834.2	37.77	15347.6	6333	43.609	ng/ml
Clonazolam	5.548	21460	3449.6	40.67	2675.6	11631	49.177	ng/ml
Cocaine	4.288	228135	509947.4	45.53	∞	328661	50.144	ng/ml
Codeine	2.621	22392	7825.4	91.12	1866.9	19976	51.356	ng/ml
Cyclobenzaprine	5.640	260850	138123.9	9.96	2840.9	162465	50.391	ng/ml
Dextromethorphan	5.300	135112	348552.9	75.93	960235.2	137857	49.824	ng/ml
Dextrorphan	4.157	166787	651108.1	46.09	234130.0	173853	50.807	ng/ml
Diazepam	5.941	70900	8350.8	84.03	2524.2	62633	49.868	ng/ml
Dihydrocodeine	2.580	60434	532.3	68.36	489.7	71798	54.401	ng/ml
Diphenhydramine	5.321	716376	141988.6	33.86	∞	610175	50.023	ng/ml
Doxylamine	4.566	579206	56918.4	93.76	559819.4	315355	54.776	ng/ml
Duloxetine	5.665	48738	1076.4	8.16	3041.1	30988	51.940	ng/ml
EDDP	5.289	272351	308494.6	42.37	226214.7	251568	50.983	ng/ml
Etizolam	5.804	11673	2047.7	392.61	7563.9	82638	52.957	ng/ml
Fentanyl	5.121	24973	814.3	126.10	92550.3	203476	4.920	ng/ml
Fluorofentanyl	5.178	21601	395.1	125.58	786.2	2524	5.028	ng/ml
Fluoxetine	5.722	291780	266422.8	6.17	∞	201676	51.732	ng/ml
Hydrocodone	3.060	75413	∞	38.75	2484.8	76190	53.058	ng/ml
Hydromorphone	1.638	46622	∞	73.73	∞	32124	47.306	ng/ml
Hydroxyzine	5.720	245948	38110.1	103.27	120819.0	610175	53.312	ng/ml

AM #28 Multi-Drug Quant. Results

NAB

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.072	156645	59111.0	37.94	1550.6	141270	54.183 ng/ml
Lamotrigine	4.331	14180	∞	104.47	25623.6	60983	47.416 ng/ml
Lorazepam	5.742	8330	526.7	34.68	84.5	10646	52.855 ng/ml
MDA	3.231	155943	16233.2	33.50	1384.2	127788	53.963 ng/ml
MDMA	3.318	165075	695875.3	104.31	18724.0	30694	52.139 ng/ml
Meprobamate	4.908	20200	4969.5	52.91	1898.5	14181	52.904 ng/ml
Methadone	5.664	282781	19587.9	71.24	∞	280751	51.020 ng/ml
Methamphetamine	3.242	376077	∞	35.33	12745.6	197996	57.650 ng/ml
Metoprolol	4.340	61143	177869.8	96.54	∞	166044	51.656 ng/ml
Mirtazapine	4.664	329779	51050.5	52.40	16873.6	268548	49.371 ng/ml
Mitragynine	5.260	81826	142762.6	28.38	36370.7	19976	46.473 ng/ml
Morphine	1.246	9130	1929.4	19.85	238.4	2568	51.414 ng/ml
Norbuprenorphine	5.027	1430	27248.1	110.74	9002.9	5521	4.489 ng/ml
Nordiazepam	5.890	17850	4224.3	59.20	2813.0	11631	50.581 ng/ml
Norfentanyl	4.103	12531	1864.1	30.05	∞	305750	4.753 ng/ml
Norhydrocodone	3.107	11920	∞	21.50	2616.2	21552	46.936 ng/ml
Noroxycodone	2.952	41102	∞	54.31	∞	28678	52.514 ng/ml
O-desmethyl-tramadol	3.399	415830	500096.6	7.54	2903.6	291672	53.792 ng/ml
O-Desmethylvenlafaxine	4.096	121363	2761.1	543.72	31886.5	7845	52.025 ng/ml
Olanzapine	4.559	77472	2591.6	43.09	642.6	39176	55.435 ng/ml
Oxazepam	5.749	11393	∞	61.84	1935.9	10646	50.681 ng/ml
Oxycodone	2.870	127555	4179.3	29.60	17869.3	111725	52.386 ng/ml
Oxymorphone	1.415	50128	∞	43.70	∞	41284	52.318 ng/ml
Phentermine	3.797	61232	1690.4	11.13	243.7	122411	53.981 ng/ml
Promethazine	5.561	266137	557609.7	43.27	37940.9	313912	49.941 ng/ml
Pseudoephedrine	2.598	425900	23716.0	18.50	∞	268548	51.537 ng/ml
Quetiapine	5.574	317185	80413.4	63.75	122196.8	89379	53.367 ng/ml
Sertraline	5.790	81188	14119.4	93.35	9238.5	68450	50.543 ng/ml
Temazepam	5.811	90272	5372.1	31.30	663.0	76287	50.217 ng/ml
Tramadol	4.259	422229	23388.4	4.18	3869.5	381829	52.702 ng/ml
Trazodone	5.208	219331	4700.8	126.31	5481.1	228182	53.547 ng/ml
Venlafaxine	5.071	302683	273387.5	37.94	13071.5	333990	47.501 ng/ml
Xylazine	4.088	24751	18.5	134.73	898.0	106925	52.768 ng/ml
Zolpidem	4.967	416705	53898.8	29.81	207131.1	328199	52.590 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results

D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin

Calibration Last Update

5/13/2024 11:55:35 AM

Instrument

69679

Type

Cal

Acq. Method

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Sample Position

P2-E5

Injection Volume

2

Acq. Date-Time

5/6/2024 12:53:10 PM

Sample Info.

Data File

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Sample

cal 5 mdq

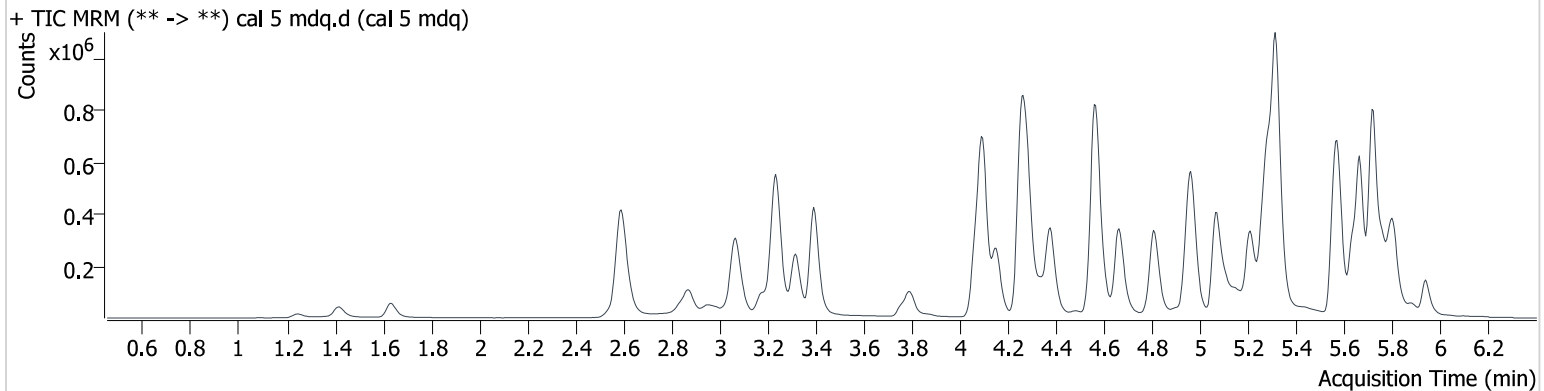
Operator

Mikel Buffaloe

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	3.172	8174	23418.6	129.91	11365.3	22727	10.103 ng/ml
7-aminoclonazepam	4.263	79221	1029501.2	113.63	∞	47375	107.866 ng/ml
a-hydroxyalprazolam	5.690	13804	681.7	62.66	3375.5	7729	91.095 ng/ml
alpha-PHP	4.954	135967	20072.2	251.40	25087.0	66095	105.080 ng/ml
alpha-PVP	4.378	428310	89688.5	58.98	7957.0	180547	100.273 ng/ml
Alprazolam	5.764	201176	4849.6	89.98	10785.0	72445	102.538 ng/ml
Amphetamine	3.069	200085	10052.8	270.68	51405.3	66095	102.995 ng/ml
Benzoylecgonine	3.874	8771	19678.7	43.16	346.7	2863	92.771 ng/ml
Bromazolam	5.804	78758	1948.2	97.47	1381.7	30732	106.456 ng/ml
Buprenorphine	5.823	18194	405.4	15.52	131.9	22103	9.911 ng/ml
Bupropion	4.809	460100	17586.7	76.80	27828.6	138044	102.844 ng/ml
Carisoprodol	5.709	164262	237272.7	63.98	∞	54334	101.962 ng/ml
Citalopram	5.261	361938	41309.3	38.25	∞	150737	99.847 ng/ml
Clonazepam	5.607	28004	∞	32.79	13460.9	4413	115.214 ng/ml
Clonazolam	5.548	40854	3667.5	38.29	4036.1	10414	103.634 ng/ml
Cocaine	4.283	414599	14540.3	43.85	∞	301518	99.382 ng/ml
Codeine	2.616	37937	9227.0	91.81	11585.0	17333	100.845 ng/ml
Cyclobenzaprine	5.640	477013	192882.7	9.53	6475.9	135664	110.158 ng/ml
Dextromethorphan	5.295	238320	∞	77.22	∞	126675	95.513 ng/ml
Dextrorphan	4.152	302779	1705696.3	46.38	∞	162009	99.116 ng/ml
Diazepam	5.941	122891	11513.0	87.72	2991.0	55050	98.088 ng/ml
Dihydrocodeine	2.575	106497	1419.6	68.86	2079.3	67128	103.568 ng/ml
Diphenhydramine	5.321	1301704	228289.6	33.02	38199.8	570665	96.784 ng/ml
Doxylamine	4.566	1065765	318050.1	93.39	1380227.7	300120	106.438 ng/ml
Duloxetine	5.665	82802	713.2	8.36	485.5	25796	106.133 ng/ml
EDDP	5.284	487500	∞	43.25	∞	226937	101.324 ng/ml
Etizolam	5.804	18976	8198.4	398.82	22162.7	72445	98.819 ng/ml
Fentanyl	5.121	45564	13732.4	131.56	4471.3	182832	9.969 ng/ml
Fluorofentanyl	5.178	41955	7195.1	118.18	443.8	2468	10.026 ng/ml
Fluoxetine	5.722	483898	24988.3	6.38	192796.8	169284	102.196 ng/ml
Hydrocodone	3.055	141398	∞	38.66	∞	70919	107.122 ng/ml
Hydromorphone	1.633	86248	∞	72.94	∞	26847	104.610 ng/ml
Hydroxyzine	5.720	434055	39056.9	105.06	74221.0	570665	100.877 ng/ml

AM #28 Multi-Drug Quant. Results

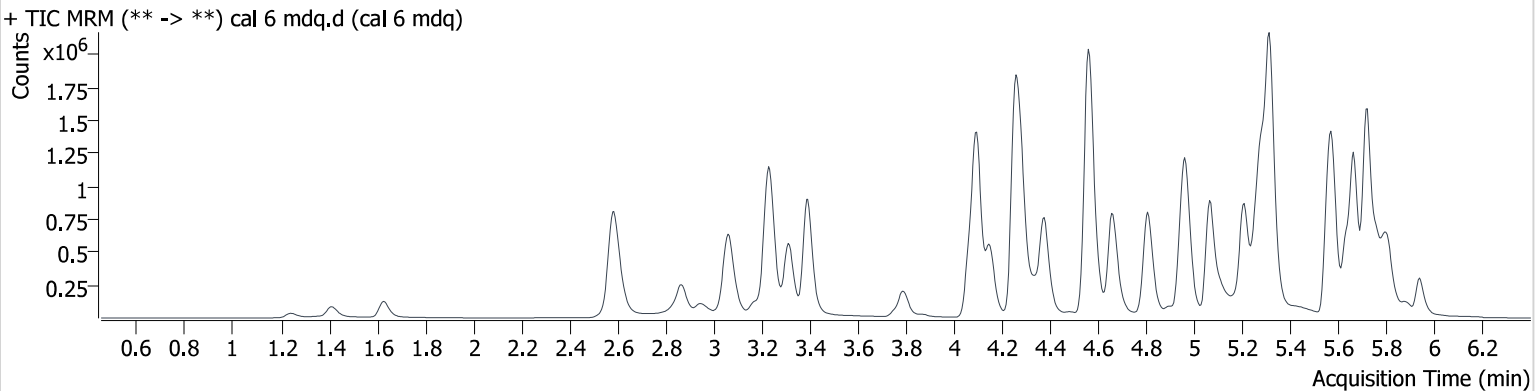
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.072	271825	23452.7	38.75	9774.1	128648	103.963 ng/ml
Lamotrigine	4.326	25718	∞	101.16	43008.4	54334	94.675 ng/ml
Lorazepam	5.742	14821	2198.7	37.62	405.0	8766	113.287 ng/ml
MDA	3.226	266596	167505.9	33.40	5573.8	111241	106.940 ng/ml
MDMA	3.318	307162	1256957.0	101.57	21248.5	28978	103.112 ng/ml
Meprobamate	4.903	35988	6014.0	55.88	3769.0	13028	102.922 ng/ml
Methadone	5.664	518304	∞	71.80	∞	262118	99.735 ng/ml
Methamphetamine	3.237	670841	28750.0	35.91	120964.9	193615	108.376 ng/ml
Metoprolol	4.340	106555	∞	98.89	3925.9	150737	99.084 ng/ml
Mirtazapine	4.664	594656	151253.9	51.60	51172.0	243250	97.990 ng/ml
Mitragynine	5.260	148238	228999.6	29.05	124432.3	17333	96.309 ng/ml
Morphine	1.246	15272	1848.7	19.91	986.7	2108	105.205 ng/ml
Norbuprenorphine	5.022	2927	3983.5	101.42	4448.7	4795	10.683 ng/ml
Nordiazepam	5.885	31617	9872.7	61.58	2570.4	10414	99.797 ng/ml
Norfentanyl	4.103	21465	4615.1	28.61	11742.4	261362	9.532 ng/ml
Norhydrocodone	3.102	22851	∞	22.38	∞	20716	92.487 ng/ml
Noroxycodone	2.952	71798	∞	54.14	∞	26131	100.644 ng/ml
O-desmethyl-tramadol	3.394	774791	622809.9	7.53	84060.0	281289	104.232 ng/ml
O-Desmethylvenlafaxine	4.096	214277	2931.2	549.45	∞	7325	98.486 ng/ml
Olanzapine	4.554	157217	2612.2	44.19	66632.8	41037	108.189 ng/ml
Oxazepam	5.749	20238	2124.9	68.95	4420.6	8766	108.675 ng/ml
Oxycodone	2.870	232140	21417.0	29.23	∞	103845	102.800 ng/ml
Oxymorphone	1.415	87095	∞	43.26	∞	36261	103.658 ng/ml
Phentermine	3.797	108247	1161.2	10.58	1048.8	114274	102.919 ng/ml
Promethazine	5.561	476162	851088.7	43.13	18424.3	282427	98.881 ng/ml
Pseudoephedrine	2.593	761267	25187.0	18.51	370795.7	243250	101.843 ng/ml
Quetiapine	5.574	550551	84683.1	65.26	638332.5	81103	102.179 ng/ml
Sertraline	5.790	130757	9981.9	97.32	53714.6	56761	97.903 ng/ml
Temazepam	5.811	147326	38845.3	31.64	1920.5	64609	96.383 ng/ml
Tramadol	4.259	766988	∞	4.23	488.0	345531	106.179 ng/ml
Trazodone	5.208	392394	30162.3	131.17	62792.2	214044	102.145 ng/ml
Venlafaxine	5.066	569790	735563.0	36.44	17444.0	300819	98.245 ng/ml
Xylazine	4.088	45193	894.3	132.04	1029.4	99372	104.058 ng/ml
Zolpidem	4.967	764903	107099.3	29.55	6903210.7	309737	102.565 ng/ml

MB

AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin		
Calibration Last Update	5/13/2024 11:55:35 AM		
Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdqp1 121523.m	Operator	Mikel Buffaloe
Sample Position	P2-F5	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	2		
Acq. Date-Time	5/6/2024 1:01:50 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.166	21311	12772.5	126.10	22927.0	23361	25.583	ng/ml
7-aminoclonazepam	4.263	156102	17800.6	111.52	∞	41941	240.566	ng/ml
a-hydroxyalprazolam	5.685	34212	2370361701	60.22	∞	6478	268.098	ng/ml
			9028.3					
alpha-PHP	4.954	326688	39386.6	253.24	216821.3	69293	241.722	ng/ml
alpha-PVP	4.378	1093134	30817.2	58.10	59508.4	183888	250.739	ng/ml
Alprazolam	5.764	462453	∞	88.34	∞	69018	246.701	ng/ml
Amphetamine	3.069	428577	31733.0	265.41	5225.5	69293	212.240	ng/ml
Benzoylcegonine	3.874	25177	2620.4	41.02	1366.3	3060	251.097	ng/ml
Bromazolam	5.804	156209	∞	97.31	1657.8	26088	249.237	ng/ml
Buprenorphine	5.823	46217	6243.3	13.55	231.1	19027	29.059	ng/ml
Bupropion	4.809	1205079	181066.9	75.15	68098.6	145105	255.355	ng/ml
Carisoprodol	5.709	322603	689798.1	64.85	5714.3	45957	237.102	ng/ml
Citalopram	5.261	804204	113631.3	38.90	∞	135715	246.141	ng/ml
Clonazepam	5.602	72492	4948.3	31.86	83196.5	4969	263.343	ng/ml
Clonazolam	5.543	101566	23794.9	35.92	27537.0	9918	269.197	ng/ml
Cocaine	4.283	1012281	118387.2	44.46	48280.7	298251	245.384	ng/ml
Codeine	2.611	80492	15044.9	92.50	26152.9	14565	255.528	ng/ml
Cyclobenzaprine	5.635	1072356	261363.0	10.15	25344.1	136437	246.038	ng/ml
Dextromethorphan	5.295	561140	841172.3	74.48	608924.6	111503	255.260	ng/ml
Dextrorphan	4.152	755768	1345647.0	45.43	2212565.4	156704	256.013	ng/ml
Diazepam	5.941	296963	∞	86.22	4897.5	55893	233.094	ng/ml
Dihydrocodeine	2.565	245321	450.8	66.83	875.7	68081	236.720	ng/ml
Diphenhydramine	5.321	3124265	924545.1	31.81	177753.8	525899	251.380	ng/ml
Doxylamine	4.560	2712194	322088.8	94.76	∞	328814	247.984	ng/ml
Duloxetine	5.660	167510	622.7	7.93	4326.9	21780	254.481	ng/ml
EDDP	5.284	1165827	310614.5	42.98	2654435.6	218483	251.927	ng/ml
Etizolam	5.804	44105	10647.6	380.58	23183.5	69018	242.112	ng/ml
Fentanyl	5.116	122625	12568.1	129.26	6713.1	191866	25.532	ng/ml
Fluorofentanyl	5.172	110681	142759.3	116.17	6192.5	2531	25.855	ng/ml
Fluoxetine	5.722	993719	129446.8	6.56	361778.8	143592	247.394	ng/ml
Hydrocodone	3.050	341466	∞	41.24	∞	73701	249.249	ng/ml
Hydromorphone	1.628	216351	∞	72.63	∞	27356	257.407	ng/ml

Web

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Hydroxyzine	5.720	1000570	86179.2	101.94	109263.4	525899	252.799	ng/ml
Ketamine	4.067	624906	213253.2	39.02	42855.1	129951	237.614	ng/ml
Lamotrigine	4.326	55655	359127.9	101.09	225253.3	45957	239.454	ng/ml
Lorazepam	5.742	31805	1604.7	37.74	442.7	9016	235.493	ng/ml
MDA	3.221	544668	45403.0	31.46	6087.8	103776	235.391	ng/ml
MDMA	3.313	758220	2471554.5	100.56	116762.1	29277	252.447	ng/ml
Meprobamate	4.903	96376	4789.4	52.05	4105.2	13845	259.901	ng/ml
Methadone	5.664	1330026	2066616.0	66.22	1166561.3	263628	253.777	ng/ml
Methamphetamine	3.237	1555116	77228.1	37.67	47512.4	205828	240.929	ng/ml
Metoprolol	4.340	236025	887508.5	98.44	∞	135715	243.644	ng/ml
Mirtazapine	4.659	1434652	52775.7	51.50	5992.8	232312	247.087	ng/ml
Mitragynine	5.255	343951	348388.9	30.66	2366576.2	14565	264.757	ng/ml
Morphine	1.241	37741	6798.6	20.33	1098.3	2203	249.348	ng/ml
Norbuprenorphine	5.022	7176	∞	101.14	27274.3	4871	25.904	ng/ml
Nordiazepam	5.890	78681	∞	63.78	7585.4	9918	260.329	ng/ml
Norfentanyl	4.103	45520	4141.0	28.76	80132.5	211289	25.015	ng/ml
Norhydrocodone	3.102	59526	∞	23.22	∞	21588	229.509	ng/ml
Noroxycodone	2.947	181121	∞	52.20	∞	26127	253.881	ng/ml
O-desmethyl-tramadol	3.394	1976883	595934.5	7.35	23388.0	303790	246.697	ng/ml
O-Desmethylvenlafaxine	4.096	494168	1058.9	538.80	109622.7	6756	246.450	ng/ml
Olanzapine	4.554	437577	2152.8	45.06	1249.1	51664	240.210	ng/ml
Oxazepam	5.749	45170	574.4	69.83	8236.1	9016	235.153	ng/ml
Oxycodone	2.865	595942	∞	29.90	∞	107905	254.320	ng/ml
Oxymorphone	1.410	214129	∞	43.01	∞	35875	257.840	ng/ml
Phentermine	3.791	255304	3359.5	9.68	4521.8	118560	234.955	ng/ml
Promethazine	5.561	1166526	2560228.9	41.15	10651715.7	273810	249.200	ng/ml
Pseudoephedrine	2.588	1769338	44662.9	18.18	∞	232312	248.061	ng/ml
Quetiapine	5.574	1267232	12264755.9	65.01	100090.4	75807	251.774	ng/ml
Sertraline	5.790	253059	27178.0	95.92	33334.7	42625	251.875	ng/ml
Temazepam	5.811	289096	∞	31.60	11100.4	48293	252.355	ng/ml
Tramadol	4.259	1877426	∞	4.11	1887.0	347390	259.066	ng/ml
Trazodone	5.208	1007038	112467.9	133.13	622787.1	227041	247.166	ng/ml
Venlafaxine	5.066	1505271	40168.0	36.18	63058.5	310048	250.333	ng/ml
Xylazine	4.083	111170	504.7	134.63	4444.7	102116	249.650	ng/ml
Zolpidem	4.967	1851666	706981.5	29.87	∞	299971	256.811	ng/ml

MB

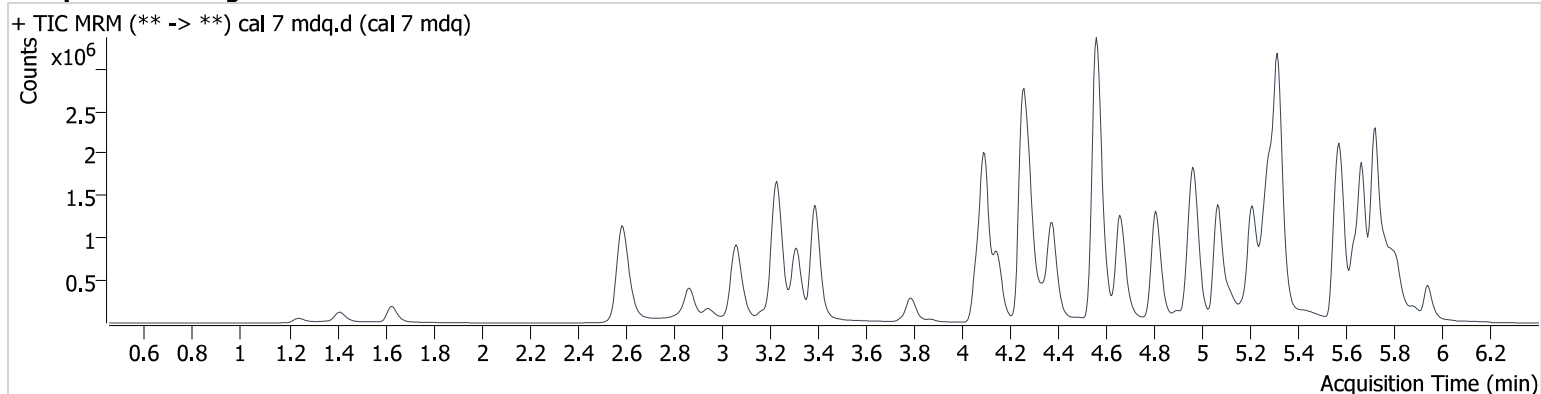
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-G5
Injection Volume 2
Acq. Date-Time 5/6/2024 1:10:32 PM
Sample Info.

Data File cal 7 mdq.d
Sample cal 7 mdq
Operator Mikel Buffaloe
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	3.166	36268	33276.8	128.64	30415.2	20314	50.044	ng/ml
7-aminoclonazepam	4.263	206481	27727.7	111.36	30255.6	31533	423.526	ng/ml
a-hydroxyalprazolam	5.690	50901	∞	59.40	∞	4696	549.553	ng/ml
alpha-PHP	4.948	501764	6527.7	261.69	15257.2	59091	435.912	ng/ml
alpha-PVP	4.378	1839319	288049.0	56.54	15214.0	153950	503.582	ng/ml
Alprazolam	5.764	686075	∞	93.45	54270.4	50540	499.290	ng/ml
Amphetamine	3.069	624328	50775.6	264.30	120504.0	59091	363.781	ng/ml
Benzoylcegonine	3.874	45458	12968.4	40.61	2845.9	2775	501.115	ng/ml
Bromazolam	5.804	217514	3133.5	95.00	∞	19208	471.690	ng/ml
Buprenorphine	5.828	68680	768.2	15.17	390.3	12626	64.953	ng/ml
Bupropion	4.809	2099368	26330.3	72.00	5275804.3	128193	502.955	ng/ml
Carisoprodol	5.709	429583	∞	63.66	19963.2	31708	457.864	ng/ml
Citalopram	5.261	1203963	∞	39.39	∞	101118	494.384	ng/ml
Clonazepam	5.607	117802	∞	35.05	524981.1	4523	469.192	ng/ml
Clonazolam	5.543	154657	40844.3	37.44	4211.8	8122	499.831	ng/ml
Cocaine	4.283	1640899	1035442.6	44.11	72408.1	228352	519.578	ng/ml
Codeine	2.616	118788	10747.9	92.87	95588.0	10955	501.931	ng/ml
Cyclobenzaprine	5.635	1653691	318636.9	10.50	151954.3	104576	494.848	ng/ml
Dextromethorphan	5.295	828588	∞	77.93	165782.0	81469	515.732	ng/ml
Dextrorphan	4.147	1247352	2034127.4	45.53	10261094.0	130852	506.157	ng/ml
Diazepam	5.941	467155	8394.0	86.01	13302.6	40379	507.263	ng/ml
Dihydrocodeine	2.570	380029	3089.2	65.90	1380.5	61578	406.263	ng/ml
Diphenhydramine	5.321	4969278	260229.0	32.28	183780.5	411917	510.025	ng/ml
Doxylamine	4.560	4576703	221581.2	95.23	225152.4	289065	476.527	ng/ml
Duloxetine	5.665	229812	668.4	9.15	350.5	15560	488.800	ng/ml
EDDP	5.284	1796658	233480.8	42.68	∞	169816	499.672	ng/ml
Etizolam	5.804	67088	10273.2	379.55	∞	50540	503.704	ng/ml
Fentanyl	5.121	215434	8354.7	133.91	19647.7	175508	49.017	ng/ml
Fluorofentanyl	5.178	197725	51733.1	114.78	3149.3	2294	50.991	ng/ml
Fluoxetine	5.722	1505408	∞	6.33	142170.0	107845	498.998	ng/ml
Hydrocodone	3.050	572819	∞	39.75	∞	63582	484.897	ng/ml
Hydromorphone	1.628	354275	∞	73.94	∞	23978	480.820	ng/ml
Hydroxyzine	5.720	1481601	98803.6	107.25	147096.5	411917	478.193	ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.062	919852	101943.7	38.28	67255.1	108160	420.838 ng/ml
Lamotrigine	4.321	85335	44469.4	97.44	∞	31708	529.974 ng/ml
Lorazepam	5.742	49838	∞	39.20	818.7	7084	468.839 ng/ml
MDA	3.216	750642	184169.5	30.54	7113.1	81464	414.016 ng/ml
MDMA	3.313	1231654	141393.4	98.53	69923.8	24590	488.584 ng/ml
Meprobamate	4.903	160222	10178.1	51.37	9127.3	12198	490.715 ng/ml
Methadone	5.664	2199798	189392.6	64.59	81723.5	217266	508.854 ng/ml
Methamphetamine	3.237	2442901	192511.0	37.35	∞	182832	429.071 ng/ml
Metoprolol	4.340	345242	∞	99.14	∞	101118	478.235 ng/ml
Mirtazapine	4.659	2323249	448454.3	52.97	187355.6	183711	505.672 ng/ml
Mitragynine	5.255	539571	2586590.8	31.62	575160.6	10955	551.466 ng/ml
Morphine	1.241	62405	53189.0	20.22	2960.6	1916	474.615 ng/ml
Norbuprenorphine	5.022	12432	24745.4	102.54	27765.8	4287	51.067 ng/ml
Nordiazepam	5.890	125837	10250.6	62.87	32489.5	8122	508.147 ng/ml
Norfentanyl	4.103	62661	∞	28.67	1039260.9	142942	50.905 ng/ml
Norhydrocodone	3.096	96868	∞	22.38	∞	16760	479.848 ng/ml
Noroxycodone	2.942	295017	∞	51.62	∞	22267	485.175 ng/ml
O-desmethyl-tramadol	3.388	3300547	16201094.0	7.17	27385.3	262744	476.525 ng/ml
O-Desmethylvenlafaxine	4.096	730924	22750.8	532.69	201040.7	4999	492.790 ng/ml
Olanzapine	4.549	771730	5829.0	45.83	1294.3	53069	413.037 ng/ml
Oxazepam	5.744	76035	∞	68.66	300255.9	7084	503.110 ng/ml
Oxycodone	2.865	1011043	∞	29.57	2996.6	95888	485.751 ng/ml
Oxymorphone	1.410	346016	∞	43.90	∞	30826	485.038 ng/ml
Phentermine	3.791	408597	4570.4	8.91	2121.8	105326	423.898 ng/ml
Promethazine	5.561	1943256	204213.4	40.30	507935.3	224258	506.403 ng/ml
Pseudoephedrine	2.593	2739895	∞	17.67	∞	183711	485.899 ng/ml
Quetiapine	5.574	1983135	∞	64.13	42011.0	59355	503.327 ng/ml
Sertraline	5.785	365860	184727.3	93.56	84111.3	30954	501.168 ng/ml
Temazepam	5.811	382888	62548.1	31.78	∞	31890	505.722 ng/ml
Tramadol	4.254	3031031	∞	4.07	∞	298012	487.892 ng/ml
Trazodone	5.208	1636197	200577.4	132.79	200789.8	208771	436.747 ng/ml
Venlafaxine	5.066	2579017	25104.2	36.27	26949.0	260856	508.799 ng/ml
Xylazine	4.083	178062	1212.0	135.07	2175.1	86578	471.988 ng/ml
Zolpidem	4.967	2981464	324152.1	31.15	52324.1	254253	488.120 ng/ml

MB

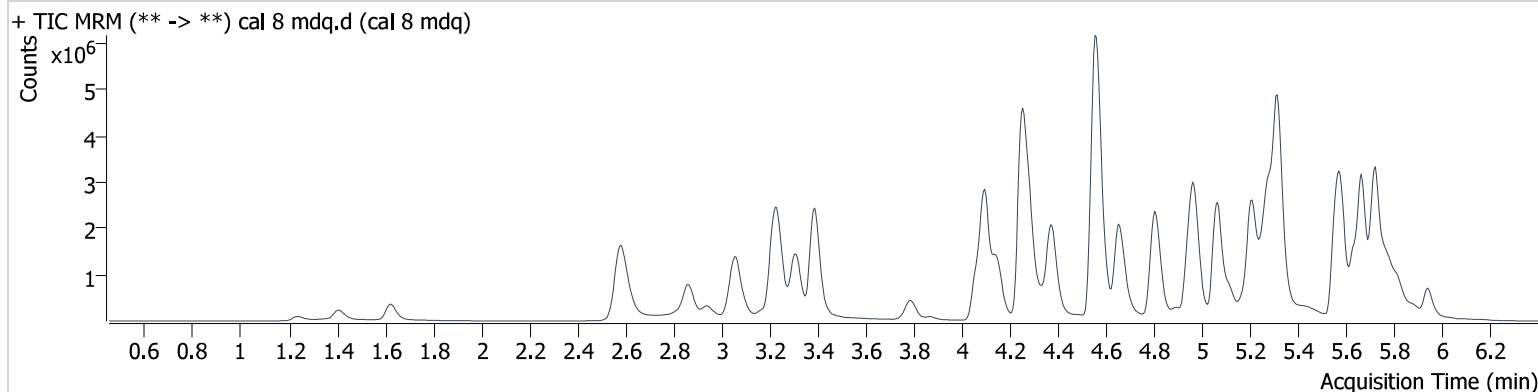
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-H5
Injection Volume 2
Acq. Date-Time 5/6/2024 1:27:56 PM
Sample Info.

Data File cal 8 mdq.d
Sample cal 8 mdq
Operator Mikel Buffaloe
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	3.161	76123	57205.4	126.57	105961.4	21073	101.222	ng/ml
7-aminoclonazepam	4.258	245600	925748.2	111.41	123338.8	24260	655.002	ng/ml
a-hydroxyalprazolam	5.690	82836	5644.5	59.92	1167.2	3205	1309.314	ng/ml
alpha-PHP	4.943	851000	408033.8	258.40	2076174.5	60894	717.883	ng/ml
alpha-PVP	4.378	3539005	852929.7	56.27	603277.6	150606	990.109	ng/ml
Alprazolam	5.764	1080957	37862.1	89.50	80861.0	40666	977.182	ng/ml
Amphetamine	3.064	955087	133420.6	256.27	120641.5	60894	540.875	ng/ml
Benzoylecgonine	3.869	102432	∞	42.90	5851.8	3126	1003.419	ng/ml
Bromazolam	5.804	306755	∞	96.92	∞	14144	903.766	ng/ml
Buprenorphine	5.828	136707	8637.2	13.93	272.2	10438	156.259	ng/ml
Bupropion	4.804	4156336	638193.8	68.99	272134.4	133243	957.463	ng/ml
Carisoprodol	5.703	533734	3920634.0	63.15	33159.3	24192	745.769	ng/ml
Citalopram	5.256	1768878	208078.2	39.37	∞	73821	994.764	ng/ml
Clonazepam	5.602	219939	21887.1	34.01	∞	4197	942.669	ng/ml
Clonazolam	5.538	266235	65878.3	37.61	7704.3	7132	979.108	ng/ml
Cocaine	4.283	2884500	∞	43.89	110658.1	209237	996.841	ng/ml
Codeine	2.611	200771	∞	92.49	27151.5	10491	886.314	ng/ml
Cyclobenzaprine	5.635	2682466	372850.5	10.60	445919.7	90207	930.408	ng/ml
Dextromethorphan	5.289	1279509	1042191.0	76.68	51029734.8	66633	973.600	ng/ml
Dextrorphan	4.147	2324102	295117.0	45.45	2495232.1	124910	988.086	ng/ml
Diazepam	5.941	809223	∞	84.55	9690.5	33006	1074.703	ng/ml
Dihydrocodeine	2.560	678552	5731.7	66.49	1365.2	67302	664.436	ng/ml
Diphenhydramine	5.316	8357627	1059839.8	30.70	192854.6	356399	991.010	ng/ml
Doxylamine	4.560	8874841	1724512.7	97.88	329987.6	314880	848.738	ng/ml
Duloxetine	5.665	267644	1022.0	9.03	190.5	8865	999.319	ng/ml
EDDP	5.279	3277127	∞	43.13	1007700.1	158454	976.916	ng/ml
Etizolam	5.804	102744	∞	372.41	18493.7	40666	959.354	ng/ml
Fentanyl	5.116	493751	97158.6	134.80	48716.9	191390	102.996	ng/ml
Fluorofentanyl	5.172	437702	751789.1	113.70	2596.5	2683	96.562	ng/ml
Fluoxetine	5.722	2102087	∞	6.38	132041.2	81337	923.845	ng/ml
Hydrocodone	3.045	1144397	∞	41.78	9837.5	70094	878.936	ng/ml
Hydromorphone	1.623	735273	∞	72.62	∞	24444	978.790	ng/ml
Hydroxyzine	5.720	2253788	192285.3	114.78	305830.8	356399	840.971	ng/ml

Web

AM #28 Multi-Drug Quant. Results

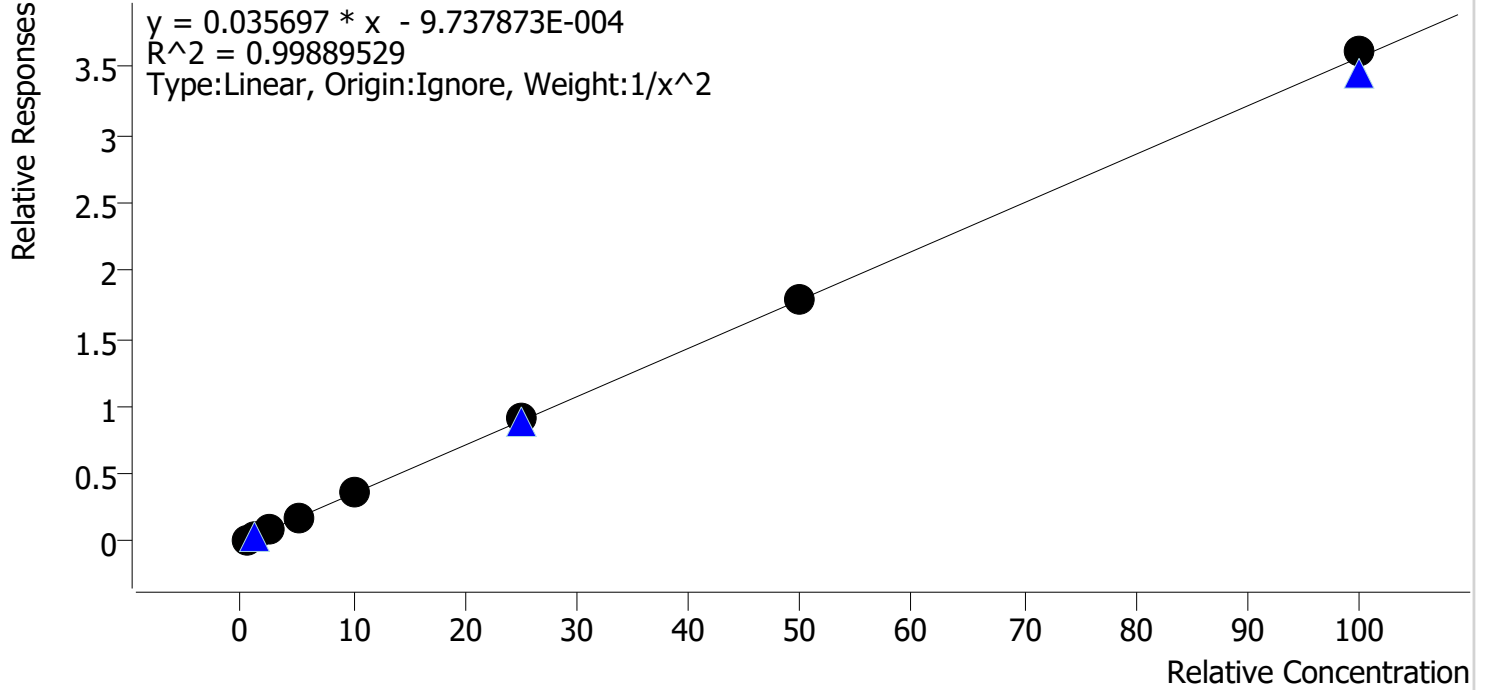
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Ketamine	4.057	1356962	198373.9	38.65	685780.5	102518	655.428	ng/ml
Lamotrigine	4.316	121855	8826.6	99.87	1306086.7	24192	990.347	ng/ml
Lorazepam	5.742	88901	1051891.8	40.59	1859.4	6656	889.390	ng/ml
MDA	3.206	1045243	963595.8	30.48	360431.8	68724	684.026	ng/ml
MDMA	3.308	2189142	358195.3	95.31	160027.4	24441	873.961	ng/ml
Meprobamate	4.898	333474	60208.7	48.86	15009.8	14409	864.882	ng/ml
Methadone	5.664	4113202	7583835.2	61.63	1450639.1	205347	1006.250	ng/ml
Methamphetamine	3.232	4033121	∞	38.80	82565.3	213983	606.854	ng/ml
Metoprolol	4.335	550024	57261536.0	97.31	∞	73821	1043.540	ng/ml
Mirtazapine	4.654	4058243	826013.0	50.70	332652.2	155157	1045.547	ng/ml
Mitragynine	5.249	997286	253386.6	31.35	1068462.5	10491	1063.727	ng/ml
Morphine	1.236	130021	16554.8	18.37	1999.8	1934	979.981	ng/ml
Norbuprenorphine	5.017	26418	∞	101.70	229971.5	4473	104.074	ng/ml
Nordiazepam	5.885	211173	16875.1	59.41	33801.3	7132	970.892	ng/ml
Norfentanyl	4.103	81358	9235.3	28.75	∞	81902	115.362	ng/ml
Norhydrocodone	3.096	175922	∞	25.51	∞	13889	1050.241	ng/ml
Noroxycodone	2.937	582848	∞	51.18	∞	22827	935.010	ng/ml
O-desmethyl-tramadol	3.388	6438737	1313984.2	6.88	163271.9	271308	900.559	ng/ml
O-Desmethylvenlafaxine	4.096	1122809	92847.7	537.29	215114.9	3955	956.890	ng/ml
Olanzapine	4.544	1474358	39278.9	48.00	29866.7	69523	602.718	ng/ml
Oxazepam	5.744	137099	775644.7	72.61	9261.0	6656	964.971	ng/ml
Oxycodone	2.860	2108840	17820.7	29.35	3713.2	106734	910.440	ng/ml
Oxymorphone	1.405	702272	∞	42.92	∞	32659	929.332	ng/ml
Phentermine	3.791	660150	47397.0	9.11	3233.4	112560	641.256	ng/ml
Promethazine	5.556	3529618	∞	38.76	95517.7	200452	1028.589	ng/ml
Pseudoephedrine	2.583	4492943	∞	17.77	8847.3	155157	943.564	ng/ml
Quetiapine	5.579	3210140	360613.1	62.99	2873824.5	52939	913.575	ng/ml
Sertraline	5.785	496780	134864.8	93.20	970126.8	21148	995.795	ng/ml
Temazepam	5.816	524658	98559.3	33.21	∞	20800	1061.966	ng/ml
Tramadol	4.249	5415571	∞	3.84	∞	302940	857.831	ng/ml
Trazodone	5.208	3071455	403303.3	136.38	1883435.1	239889	713.519	ng/ml
Venlafaxine	5.066	5250479	1180536.7	35.27	197034.8	248525	1086.152	ng/ml
Xylazine	4.077	324703	2953.7	136.40	3854.9	83209	895.893	ng/ml
Zolpidem	4.967	5467337	738331.1	31.27	2164708.8	253581	897.722	ng/ml

Compound Calibration Report

MSB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 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, 3 QCs



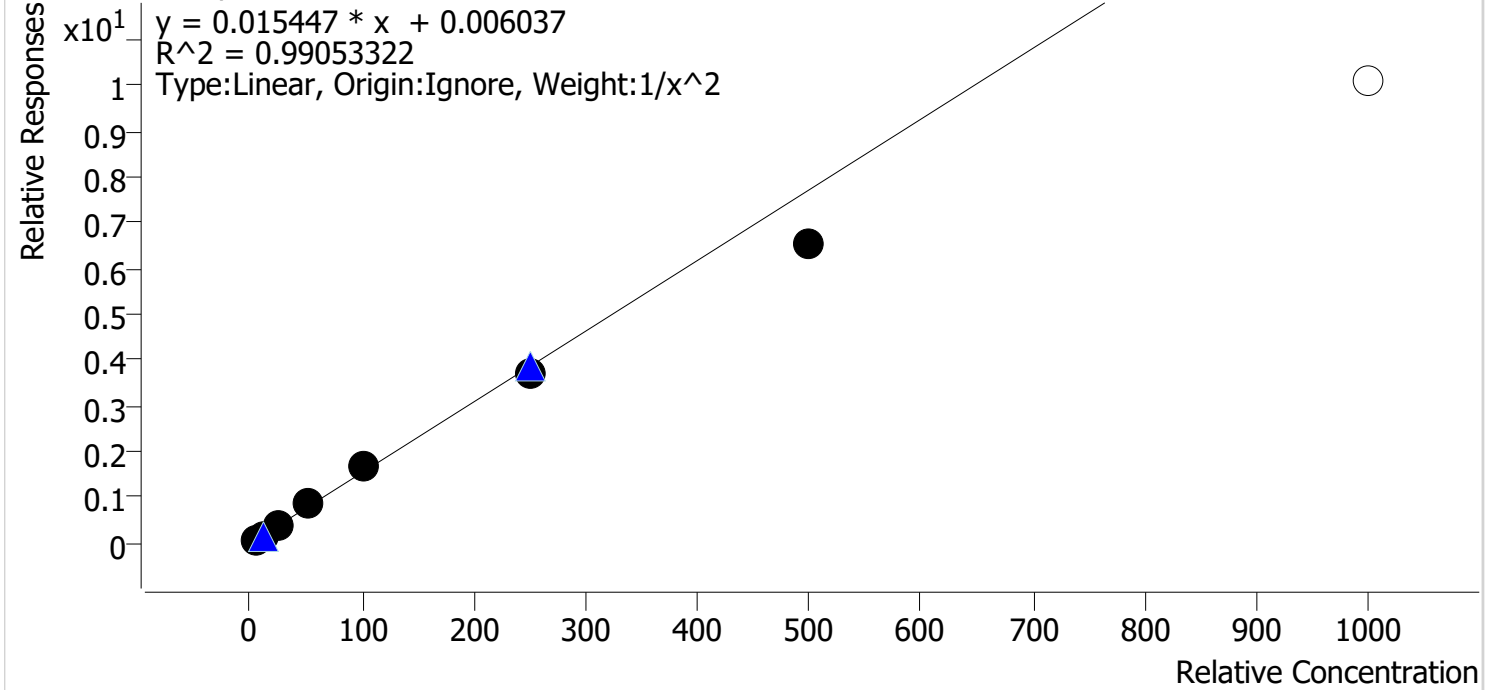
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.2
cal 2 mdq	2	✓	1.0	1.0	102.1
cal 3 mdq	3	✓	2.5	2.3	93.2
cal 4 mdq	4	✓	5.0	5.0	99.8
cal 5 mdq	5	✓	10.0	10.1	101.0
cal 6 mdq	6	✓	25.0	25.6	102.3
cal 7 mdq	7	✓	50.0	50.0	100.1
cal 8 mdq	8	✓	100.0	101.2	101.2

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



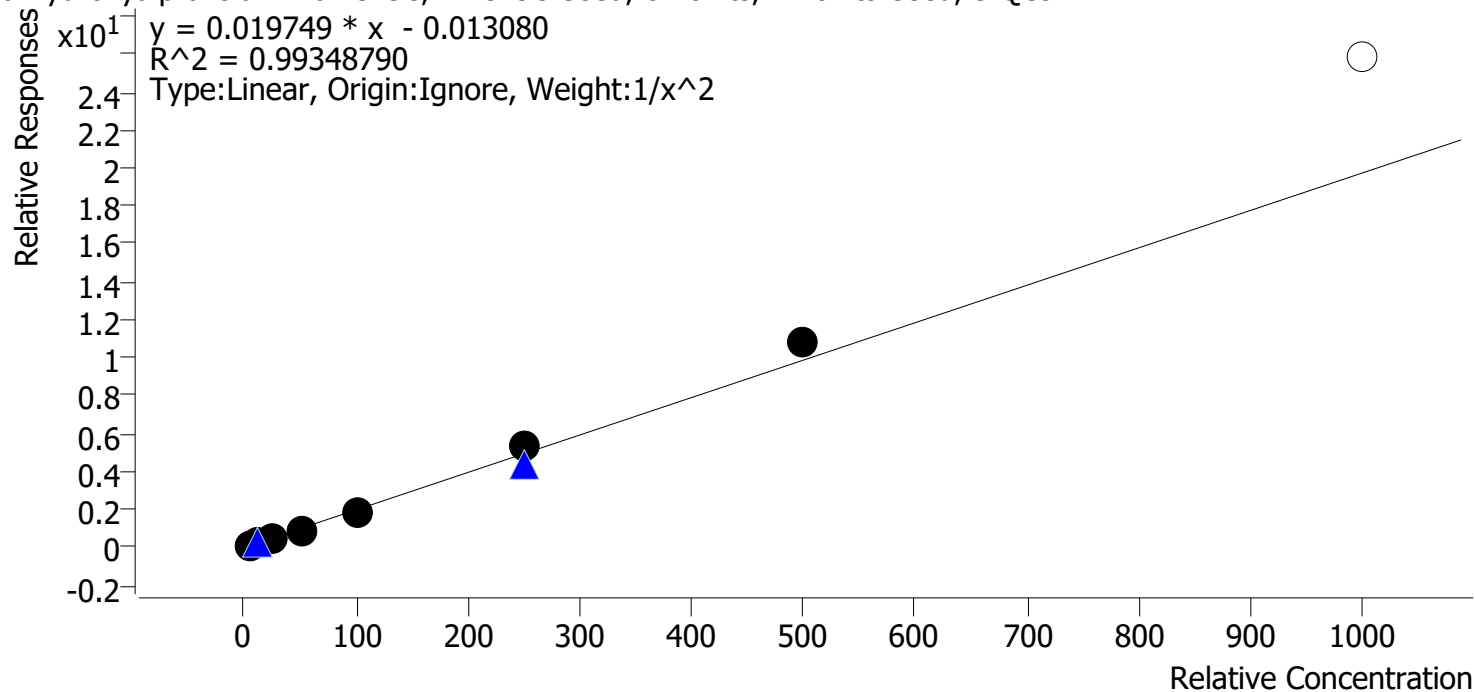
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	26.4	105.4
cal 4 mdq	4	✓	50.0	54.1	108.2
cal 5 mdq	5	✓	100.0	107.9	107.9
cal 6 mdq	6	✓	250.0	240.6	96.2
cal 7 mdq	7	✓	500.0	423.5	84.7
cal 8 mdq	8	✗	1000.0	655.0	65.5

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



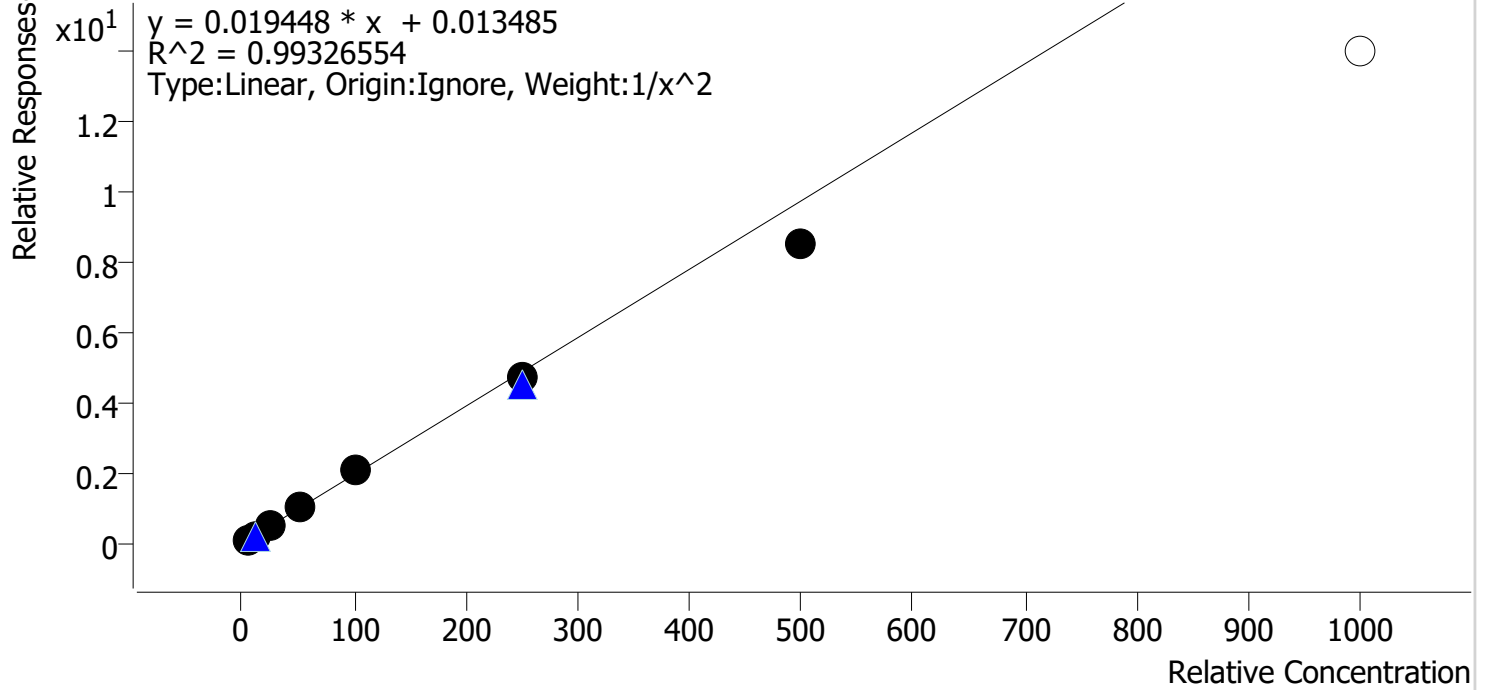
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.0	96.2
cal 4 mdq	4	✓	50.0	47.1	94.2
cal 5 mdq	5	✓	100.0	91.1	91.1
cal 6 mdq	6	✓	250.0	268.1	107.2
cal 7 mdq	7	✓	500.0	549.6	109.9
cal 8 mdq	8	x	1000.0	1309.3	130.9

Compound Calibration Report

MSB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** Amphetamine-D11

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



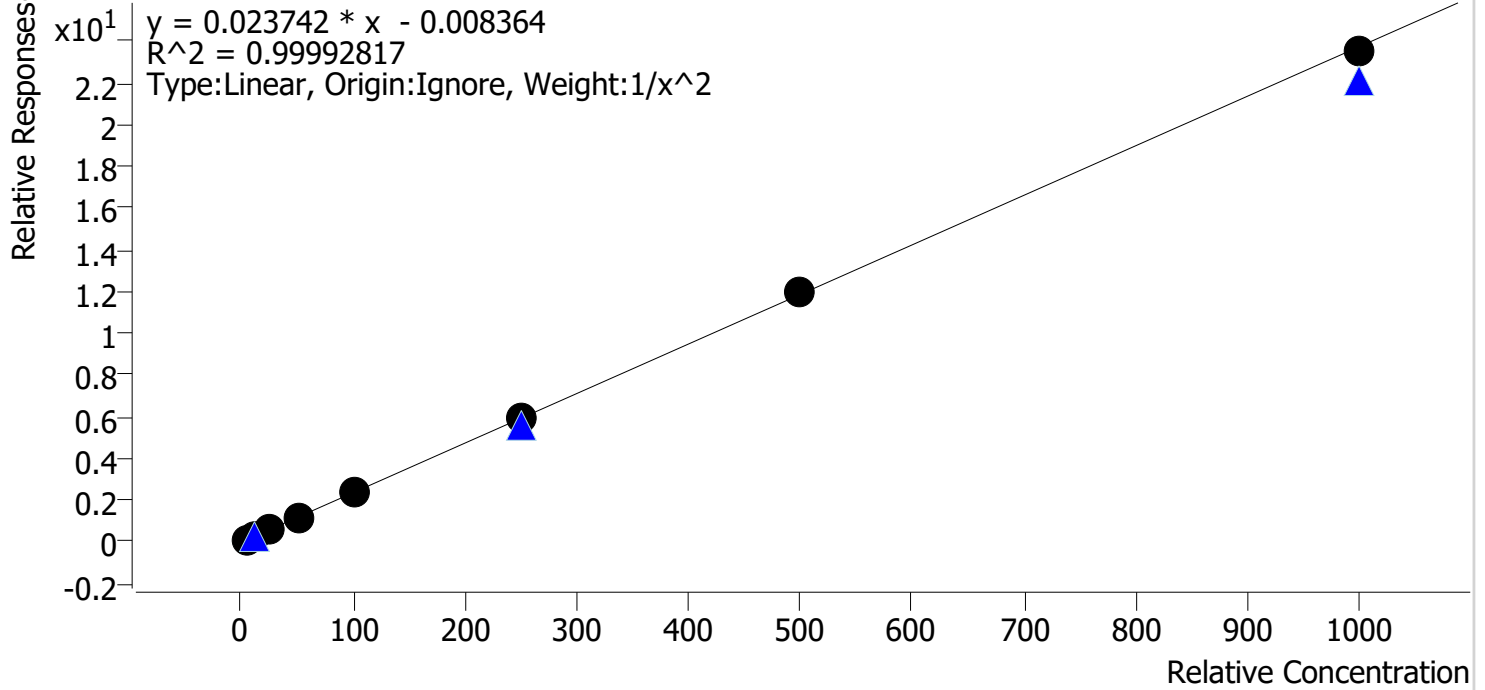
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	26.8	107.2
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	105.1	105.1
cal 6 mdq	6	✓	250.0	241.7	96.7
cal 7 mdq	7	✓	500.0	435.9	87.2
cal 8 mdq	8	x	1000.0	717.9	71.8

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 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, 3 QCs



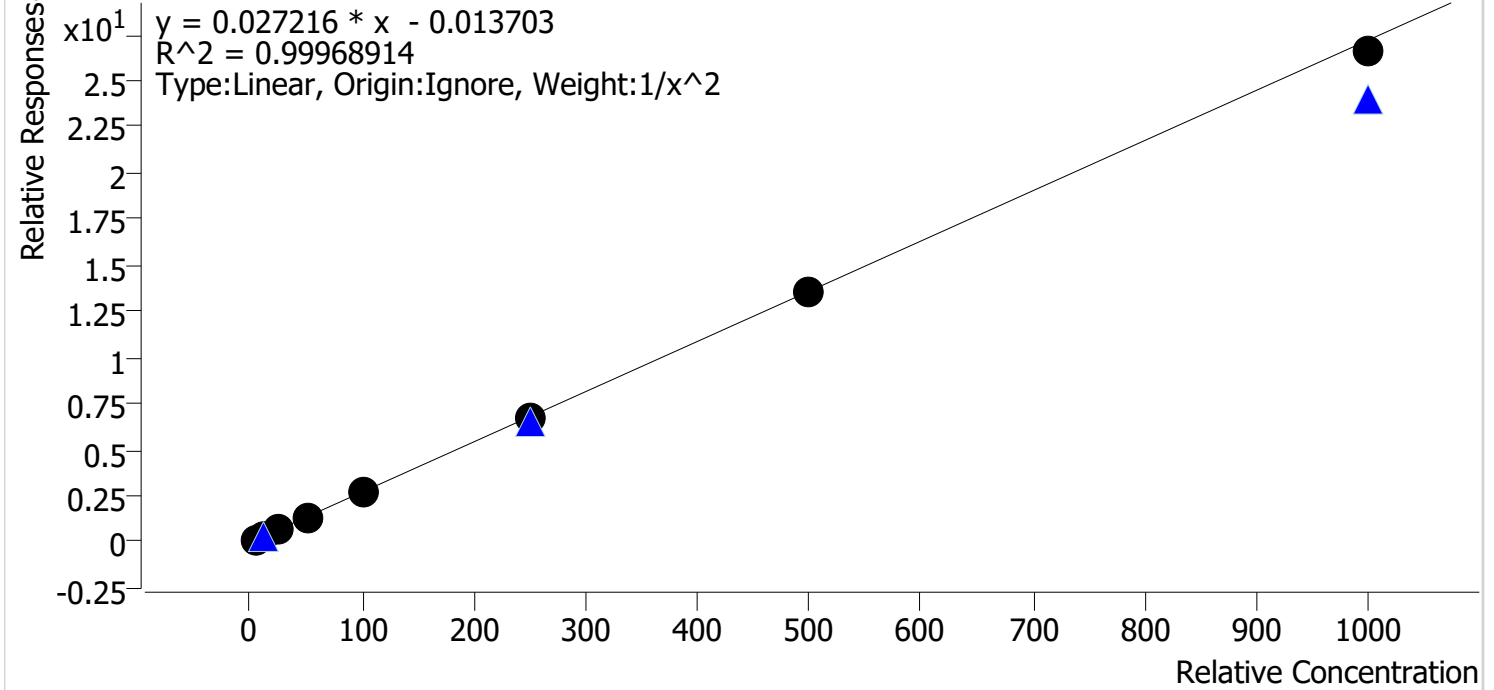
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	990.1	99.0

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



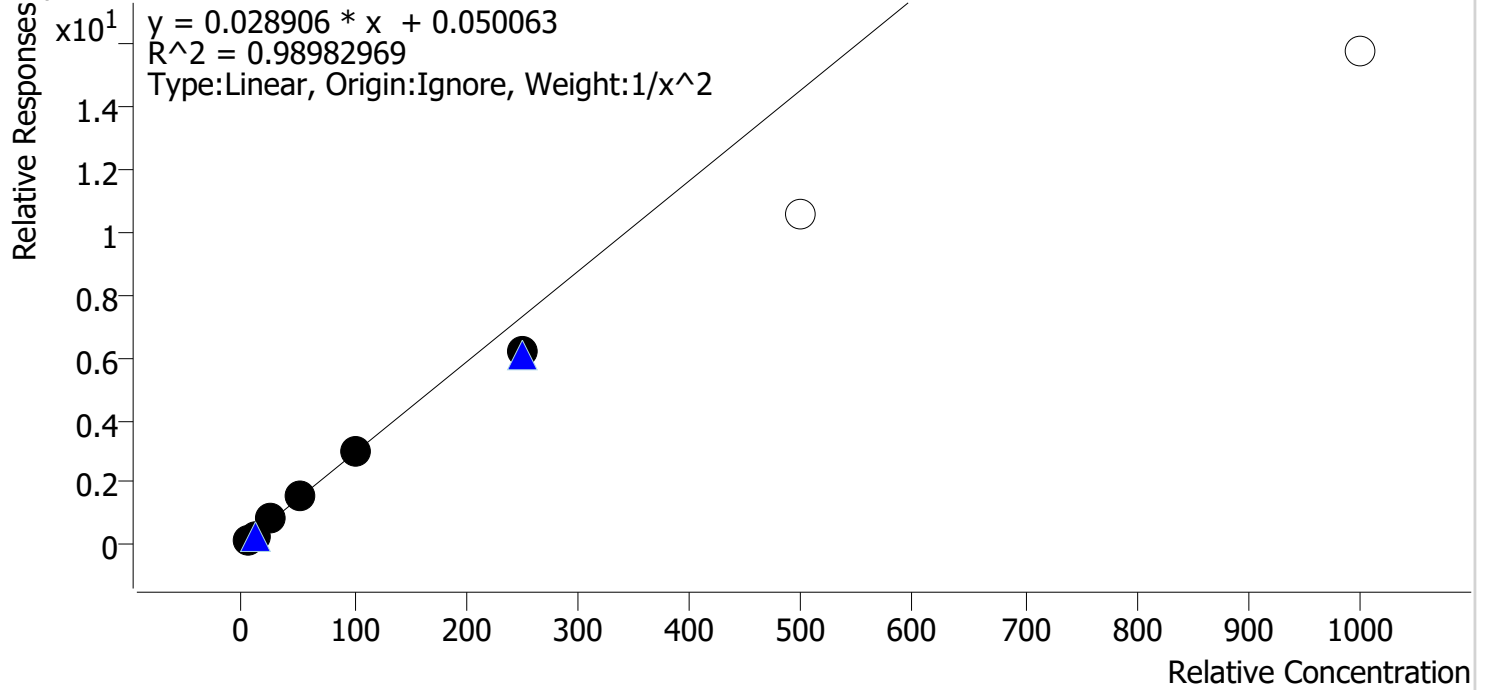
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	499.3	99.9
cal 8 mdq	8	✓	1000.0	977.2	97.7

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 3 QCs

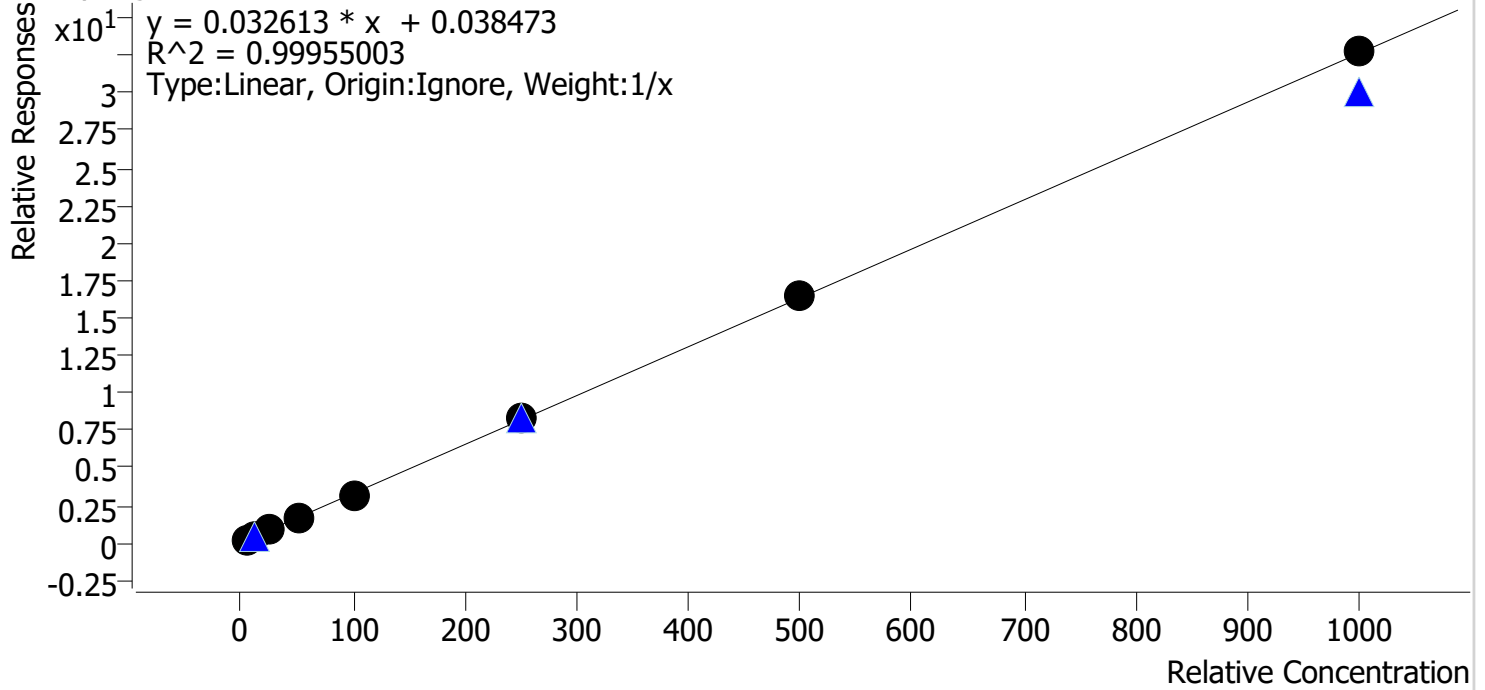


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	27.0	108.2
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	212.2	84.9
cal 7 mdq	7	✗	500.0	363.8	72.8
cal 8 mdq	8	✗	1000.0	540.9	54.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



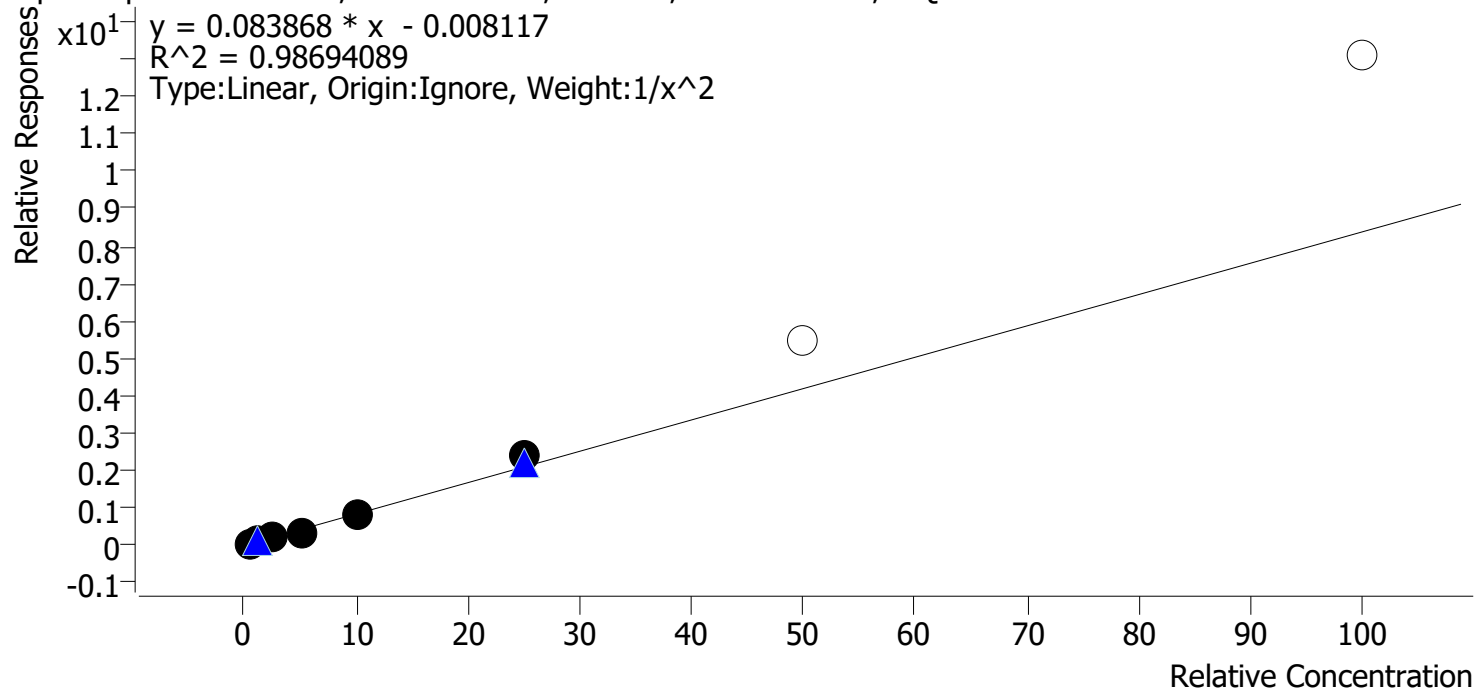
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.4
cal 2 mdq	2	✓	10.0	9.3	93.3
cal 3 mdq	3	✓	25.0	27.2	108.9
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	92.8	92.8
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	501.1	100.2
cal 8 mdq	8	✓	1000.0	1003.4	100.3

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 3 QCs



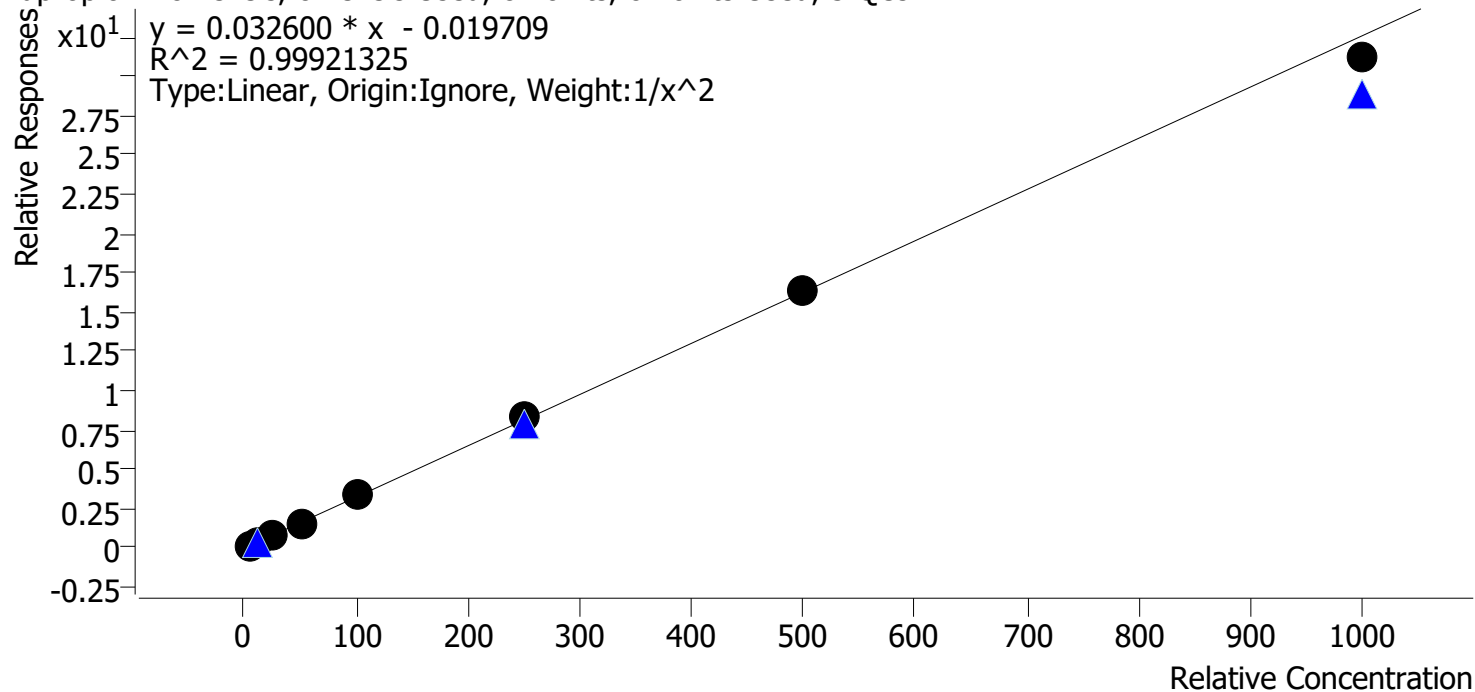
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.9
cal 2 mdq	2	✓	1.0	1.0	100.3
cal 3 mdq	3	✓	2.5	2.3	94.0
cal 4 mdq	4	✓	5.0	4.4	88.4
cal 5 mdq	5	✓	10.0	9.9	99.1
cal 6 mdq	6	✓	25.0	29.1	116.2
cal 7 mdq	7	✗	50.0	65.0	129.9
cal 8 mdq	8	✗	100.0	156.3	156.3

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



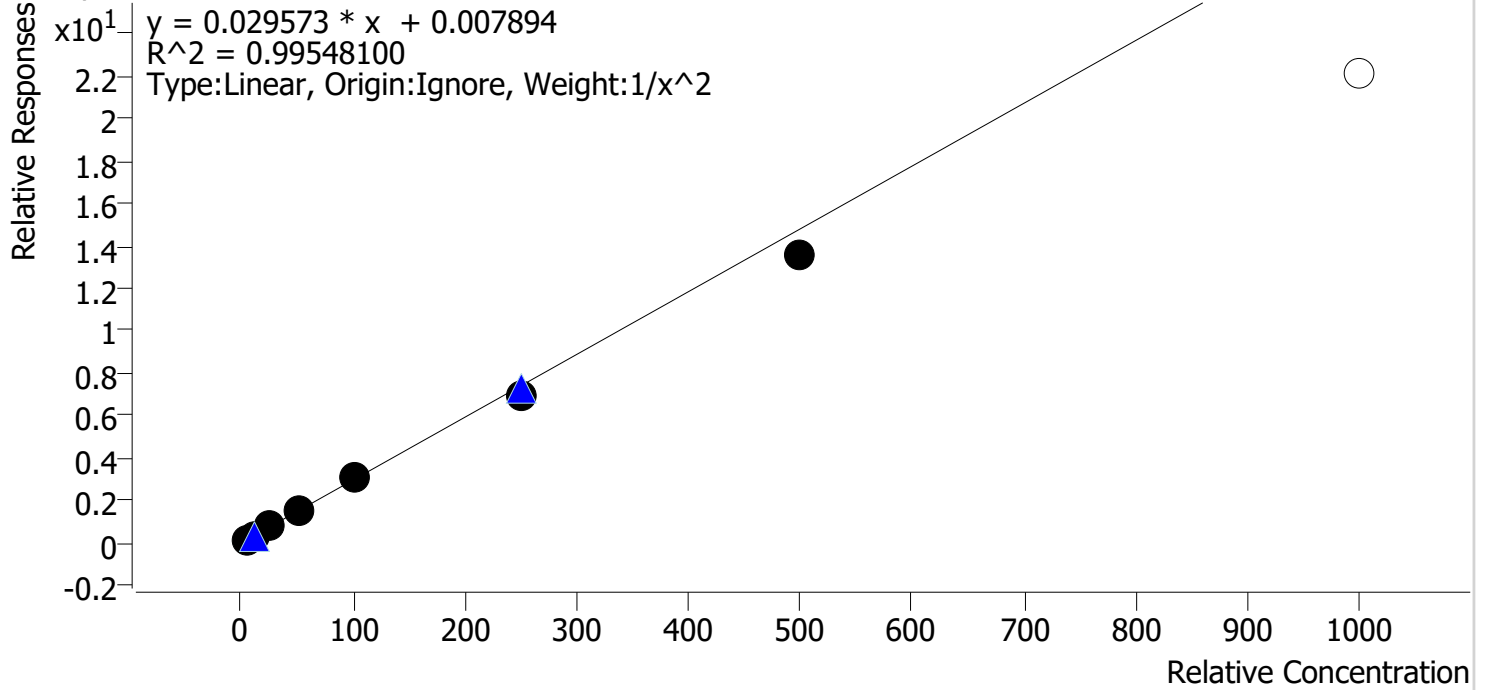
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	255.4	102.1
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	957.5	95.7

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



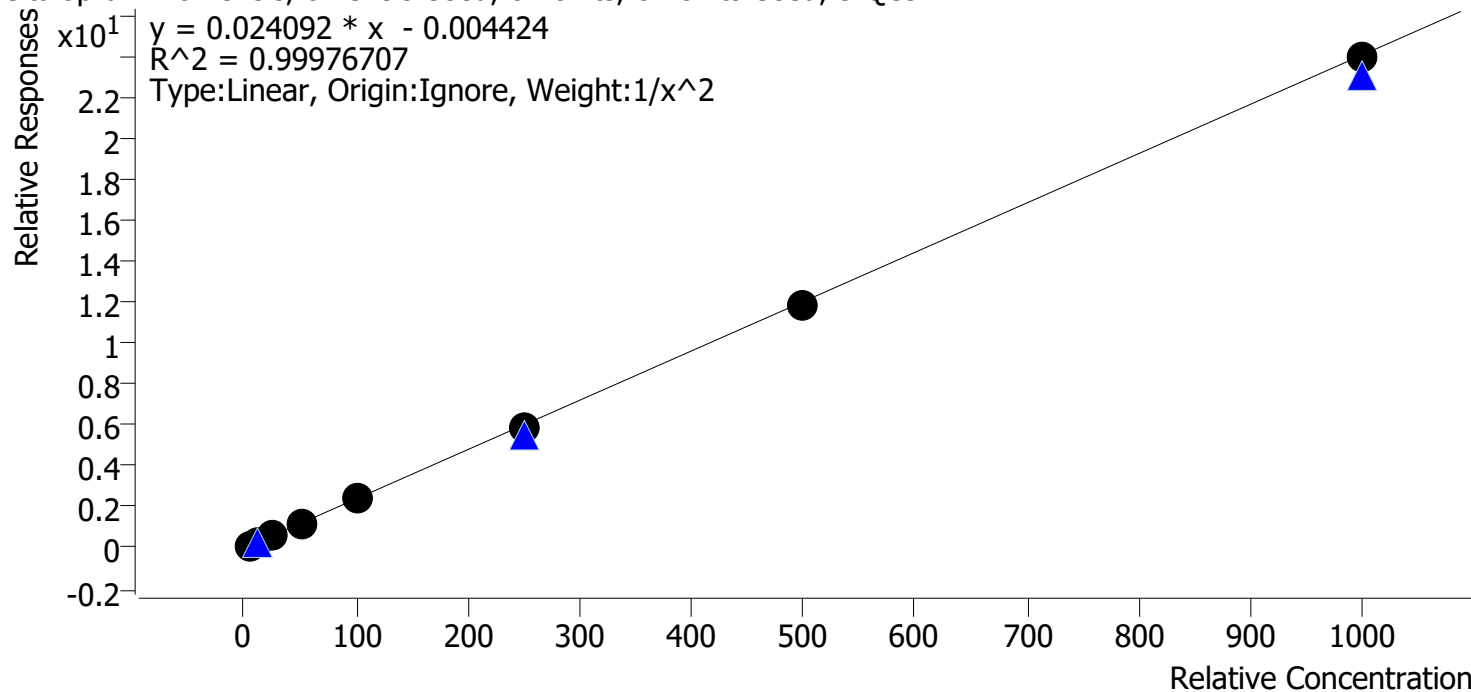
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	237.1	94.8
cal 7 mdq	7	✓	500.0	457.9	91.6
cal 8 mdq	8	✗	1000.0	745.8	74.6

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



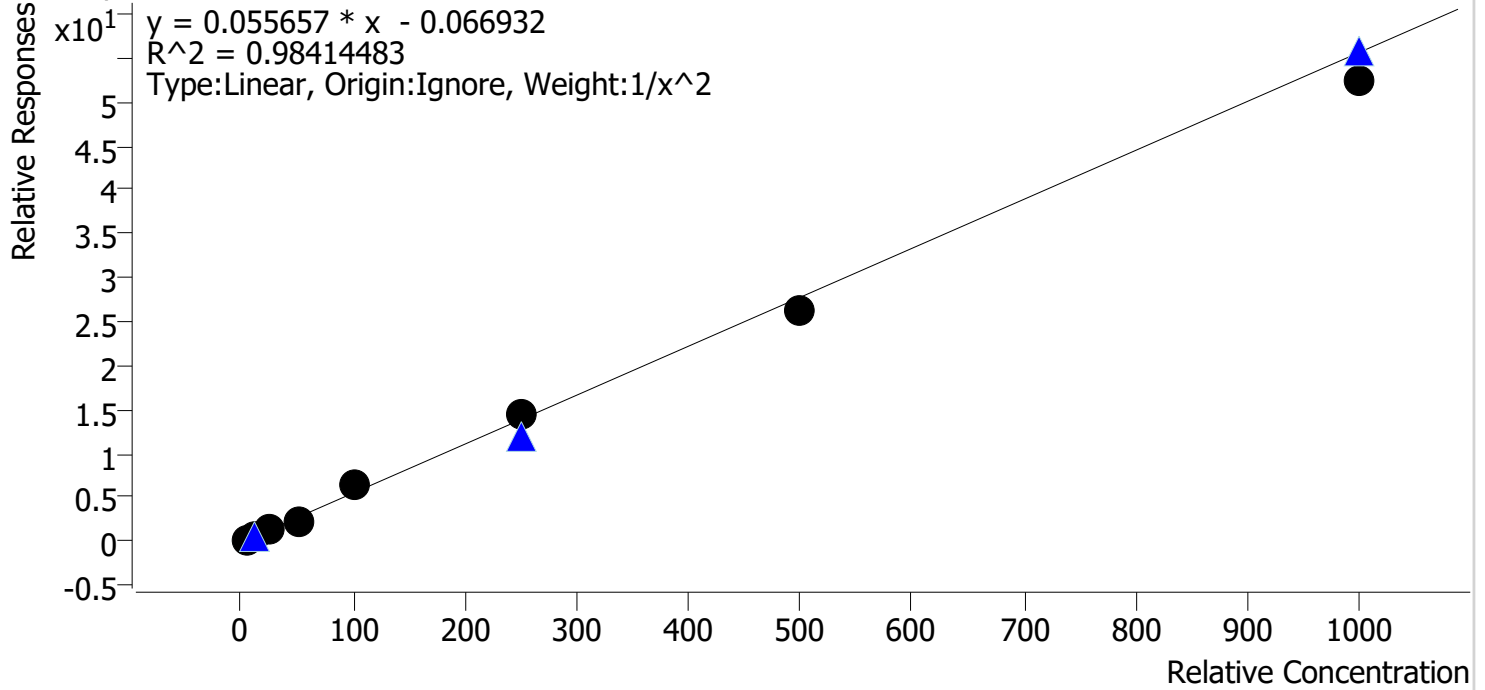
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	51.0	101.9
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	246.1	98.5
cal 7 mdq	7	✓	500.0	494.4	98.9
cal 8 mdq	8	✓	1000.0	994.8	99.5

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

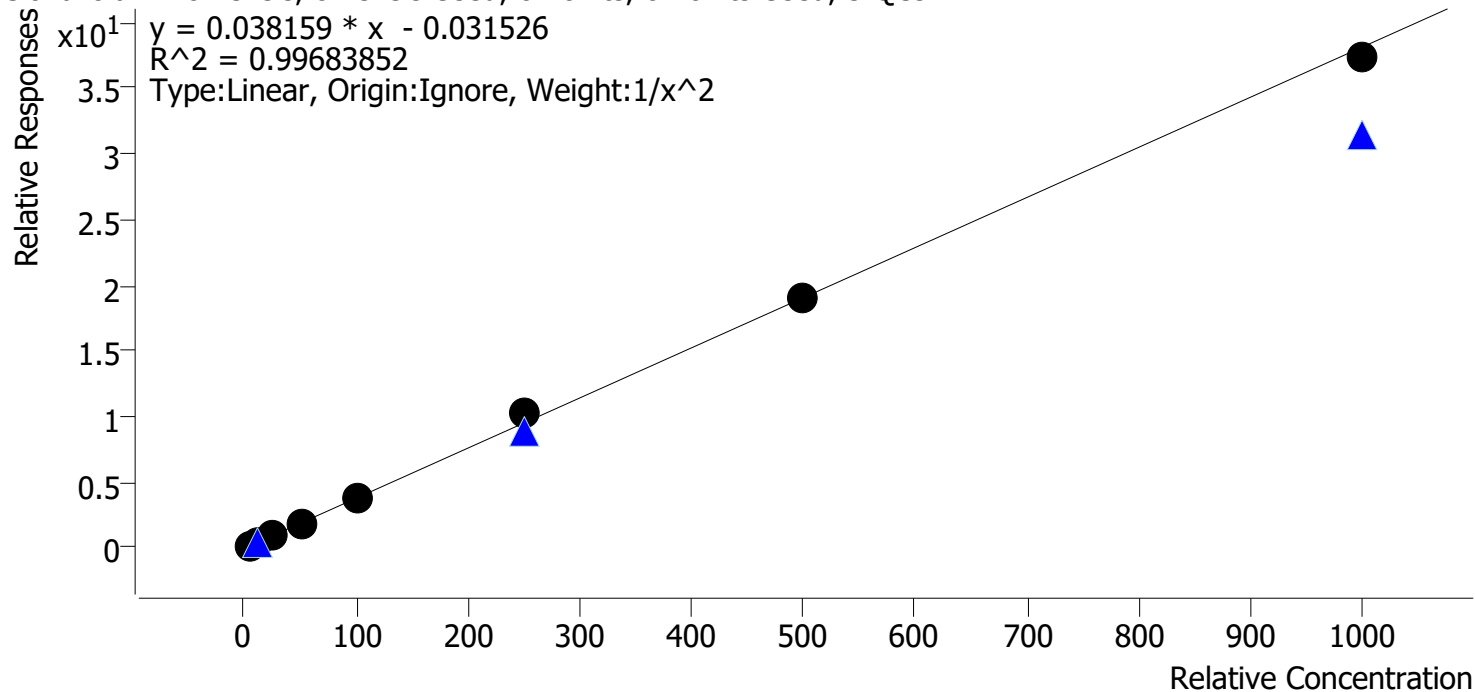


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.4
cal 2 mdq	2	✓	10.0	11.7	116.6
cal 3 mdq	3	✓	25.0	23.5	94.1
cal 4 mdq	4	✓	50.0	43.6	87.2
cal 5 mdq	5	✓	100.0	115.2	115.2
cal 6 mdq	6	✓	250.0	263.3	105.3
cal 7 mdq	7	✓	500.0	469.2	93.8
cal 8 mdq	8	✓	1000.0	942.7	94.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Nordiazepam-D5

Clonazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



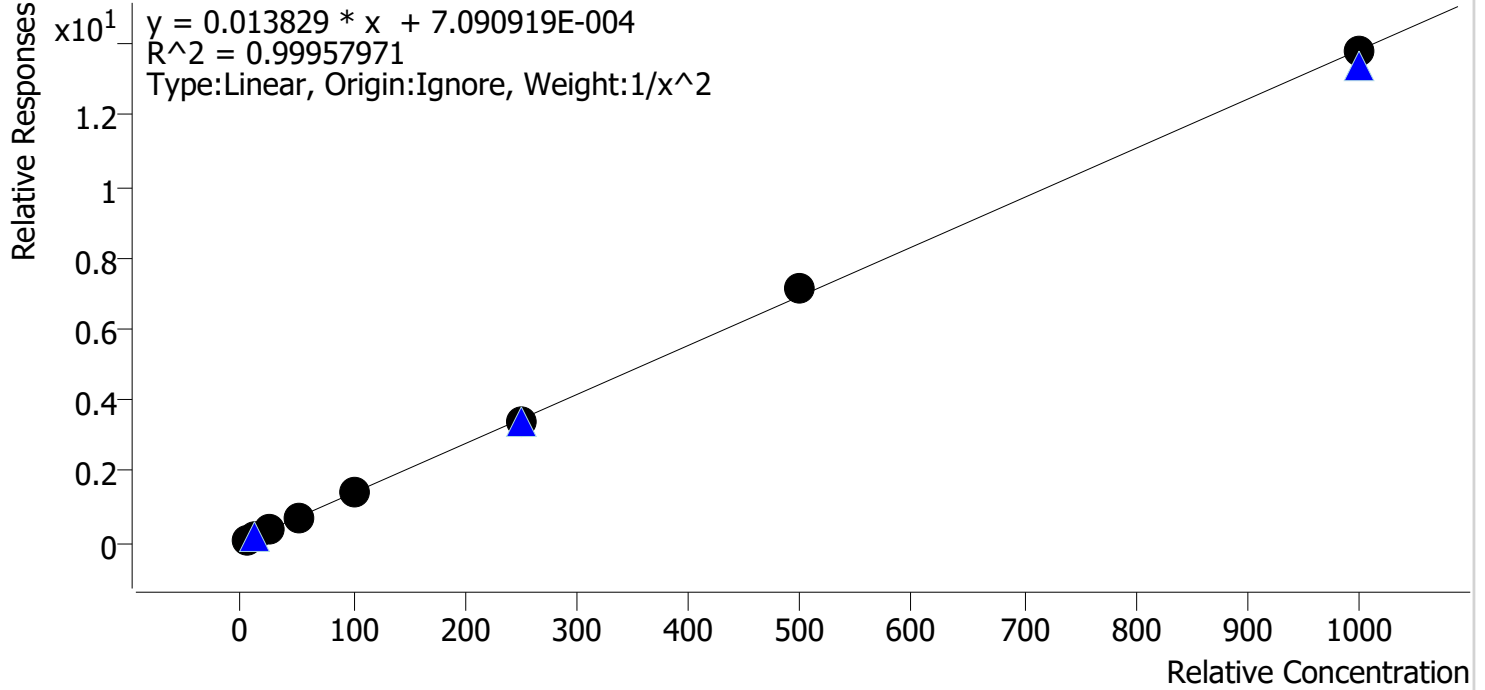
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	9.3	93.3
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	269.2	107.7
cal 7 mdq	7	✓	500.0	499.8	100.0
cal 8 mdq	8	✓	1000.0	979.1	97.9

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

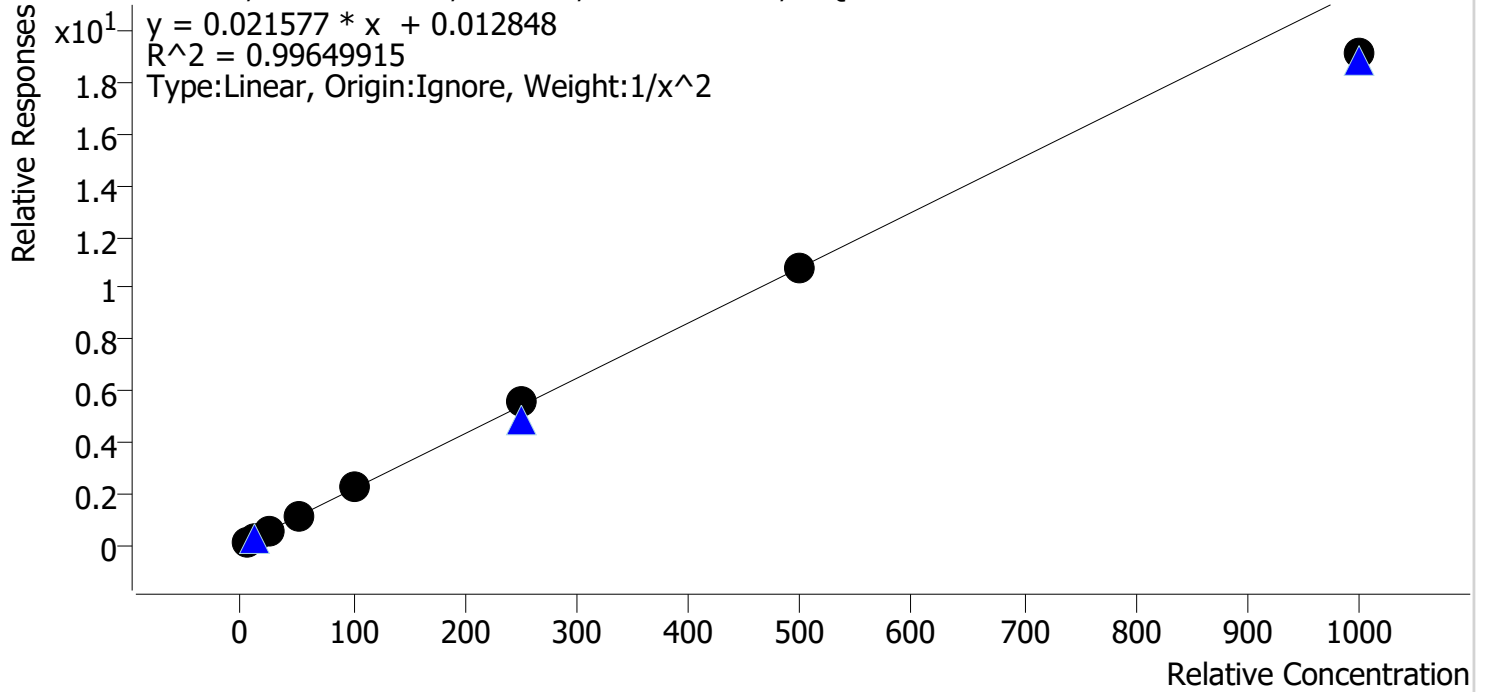


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	245.4	98.2
cal 7 mdq	7	✓	500.0	519.6	103.9
cal 8 mdq	8	✓	1000.0	996.8	99.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



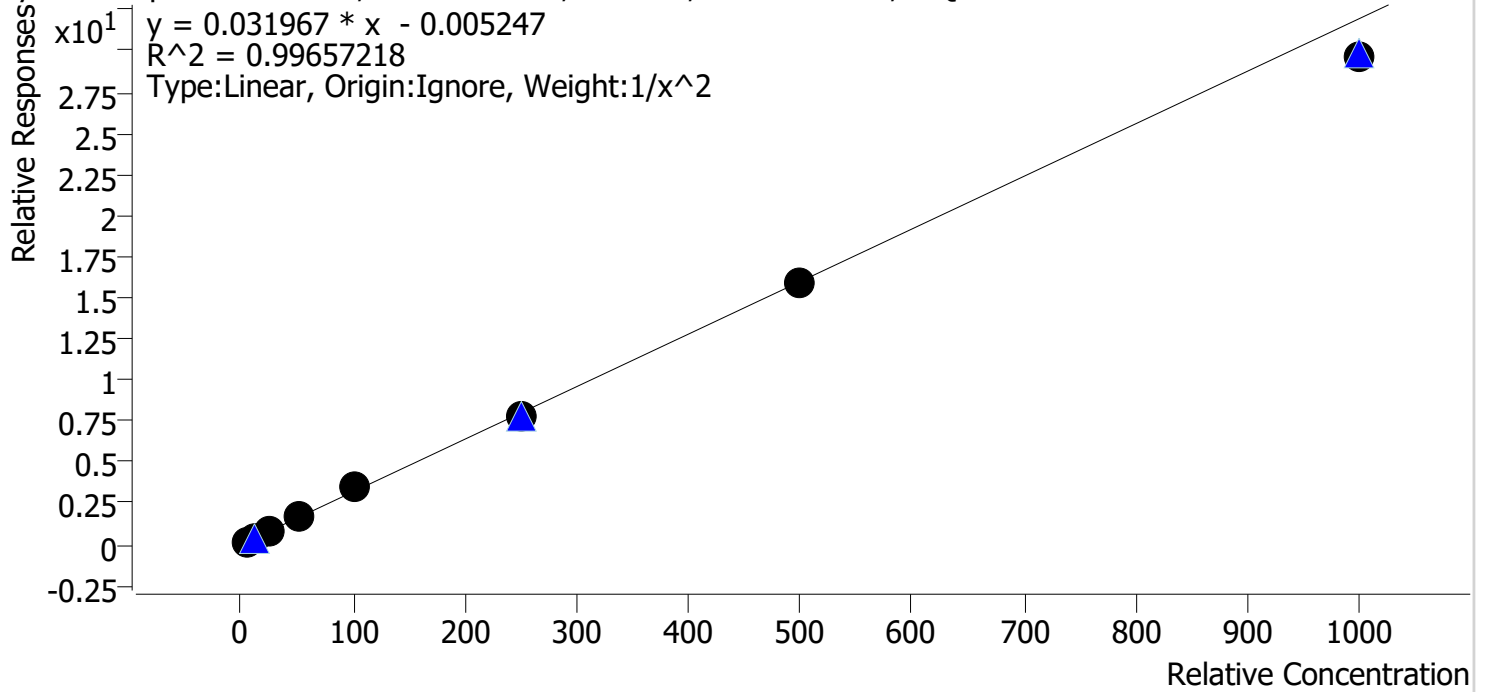
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	26.2	104.8
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	255.5	102.2
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	886.3	88.6

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



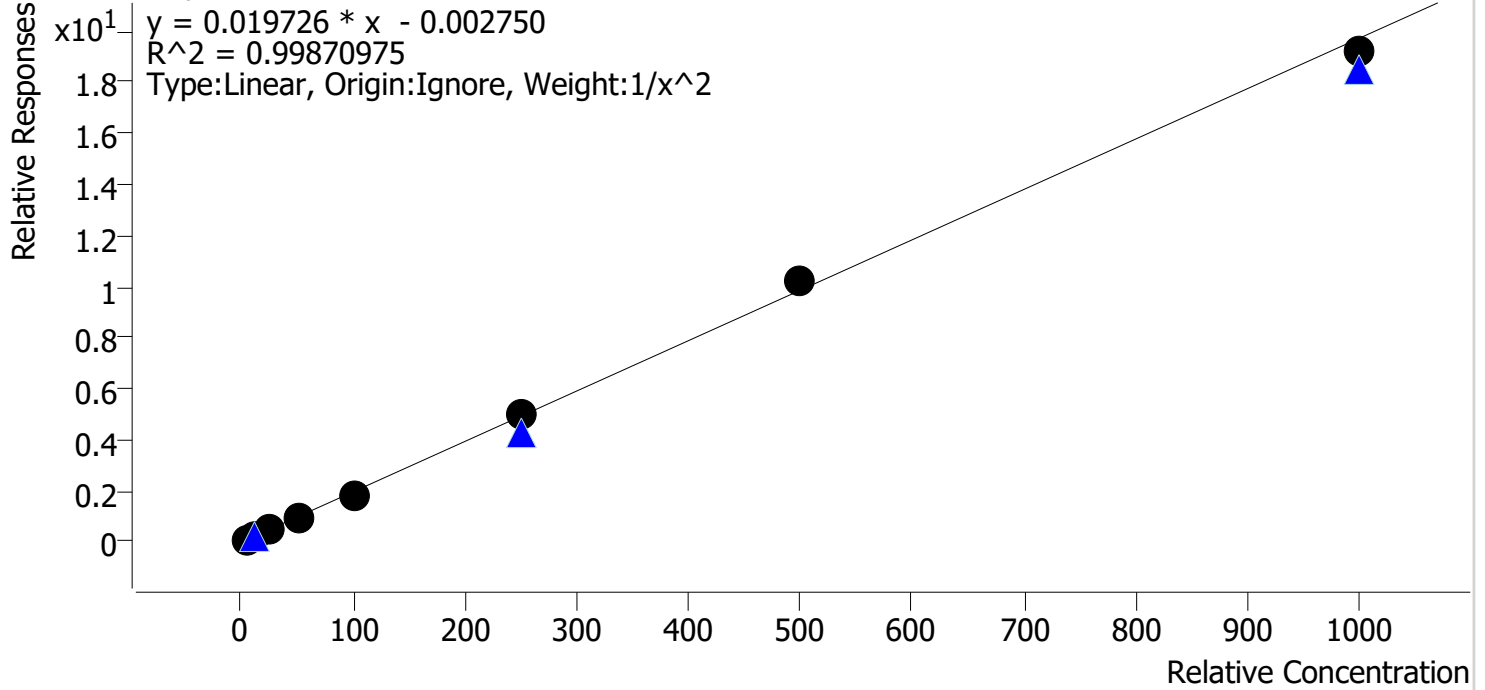
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	110.2	110.2
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	494.8	99.0
cal 8 mdq	8	✓	1000.0	930.4	93.0

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

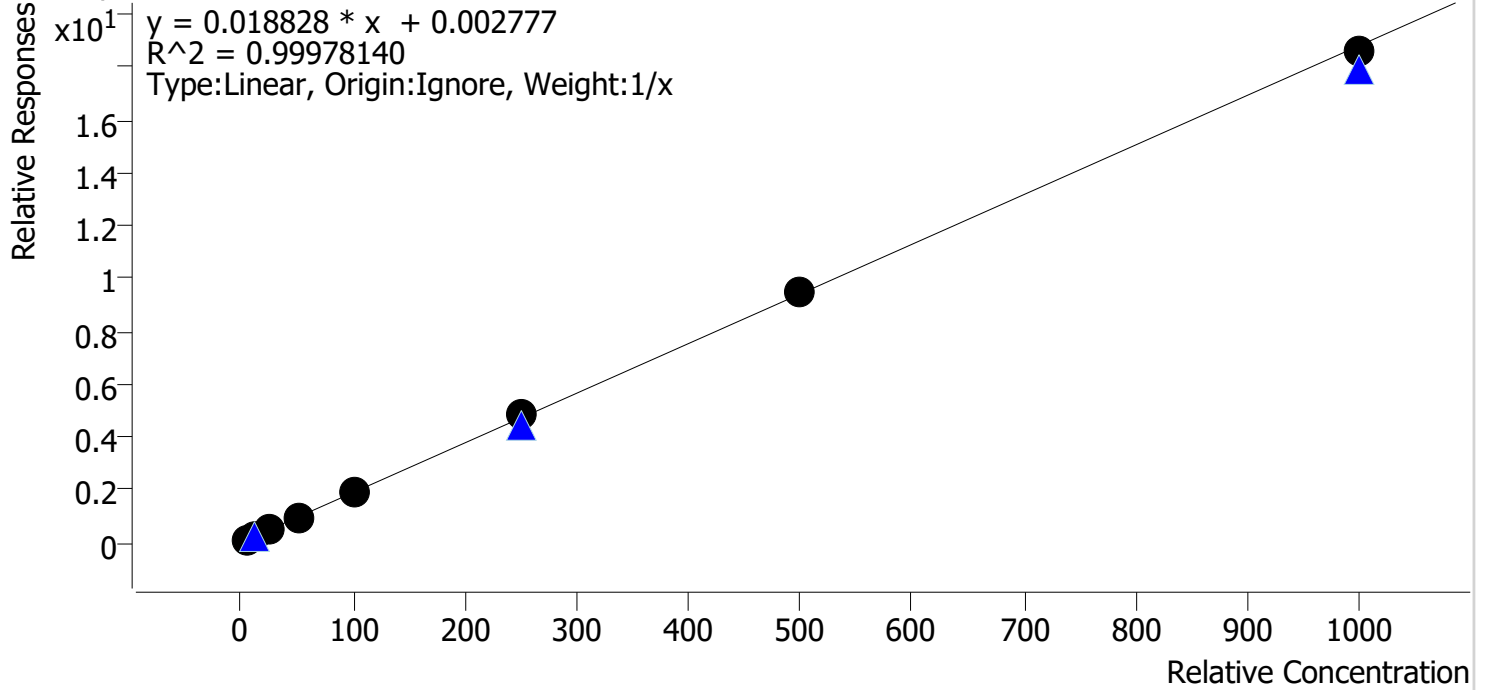


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.5	104.7
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	515.7	103.1
cal 8 mdq	8	✓	1000.0	973.6	97.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



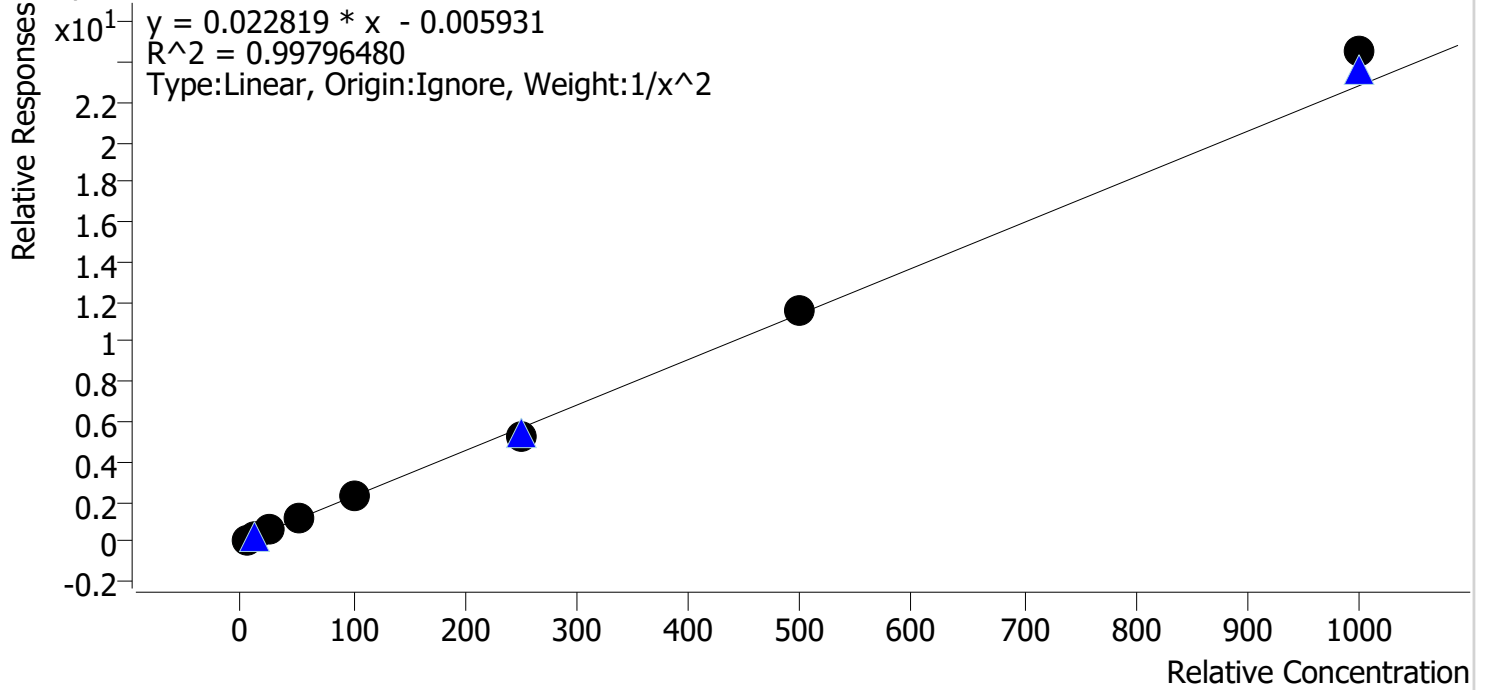
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.8
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	506.2	101.2
cal 8 mdq	8	✓	1000.0	988.1	98.8

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



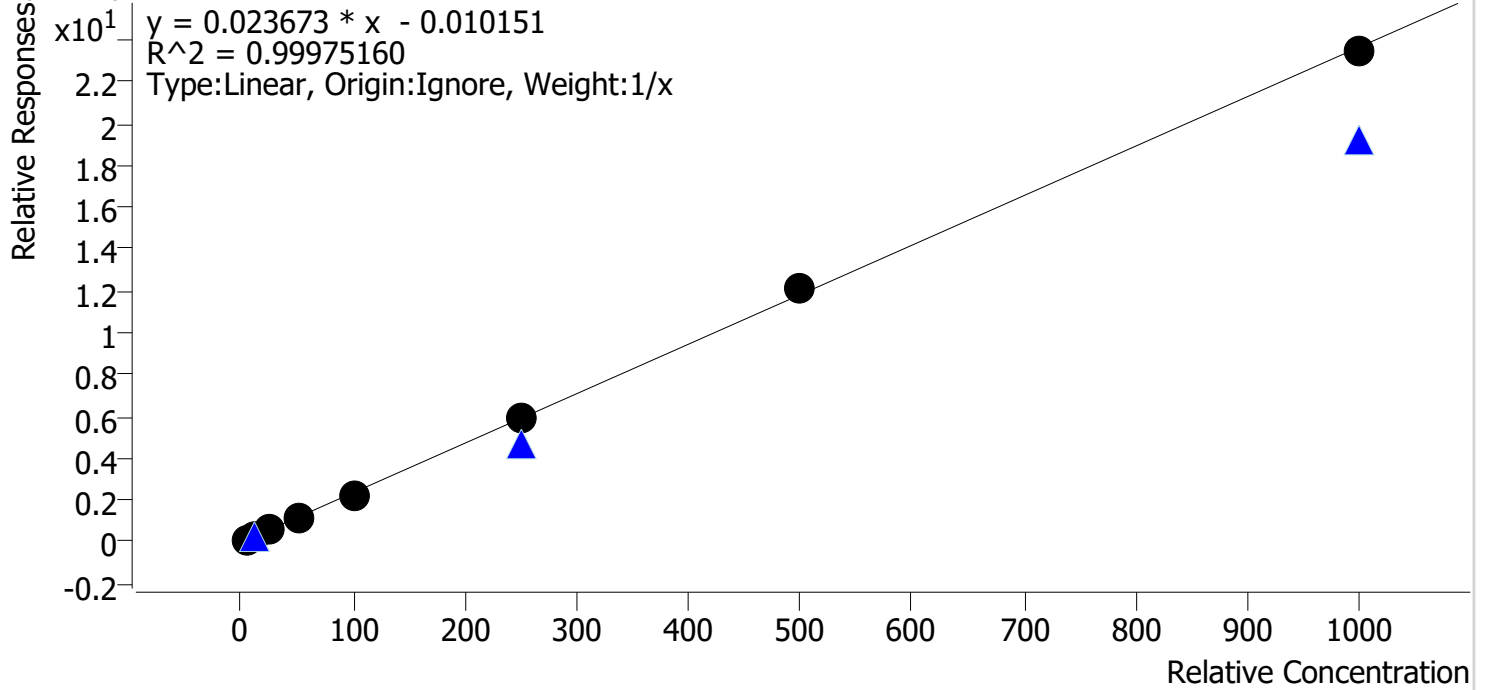
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdq	6	✓	250.0	233.1	93.2
cal 7 mdq	7	✓	500.0	507.3	101.5
cal 8 mdq	8	✓	1000.0	1074.7	107.5

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



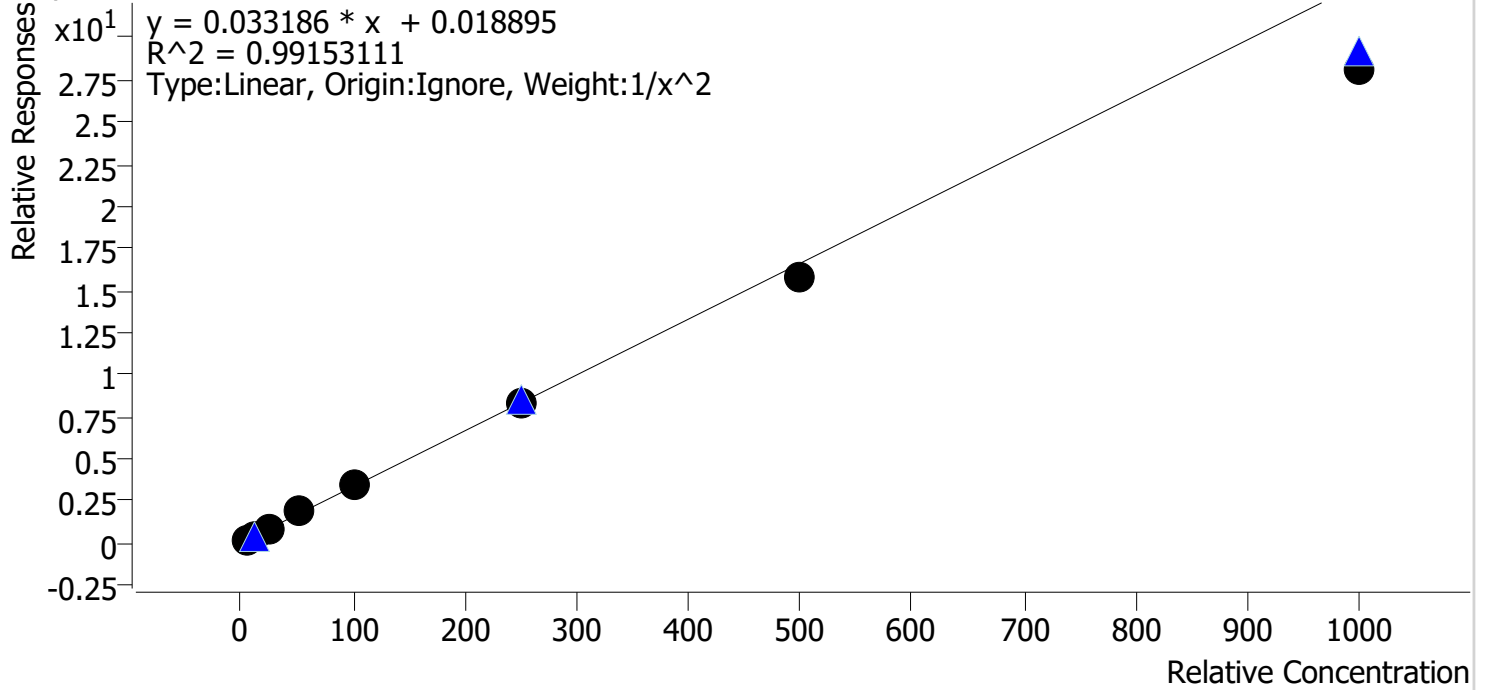
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	26.0	104.1
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	510.0	102.0
cal 8 mdq	8	✓	1000.0	991.0	99.1

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



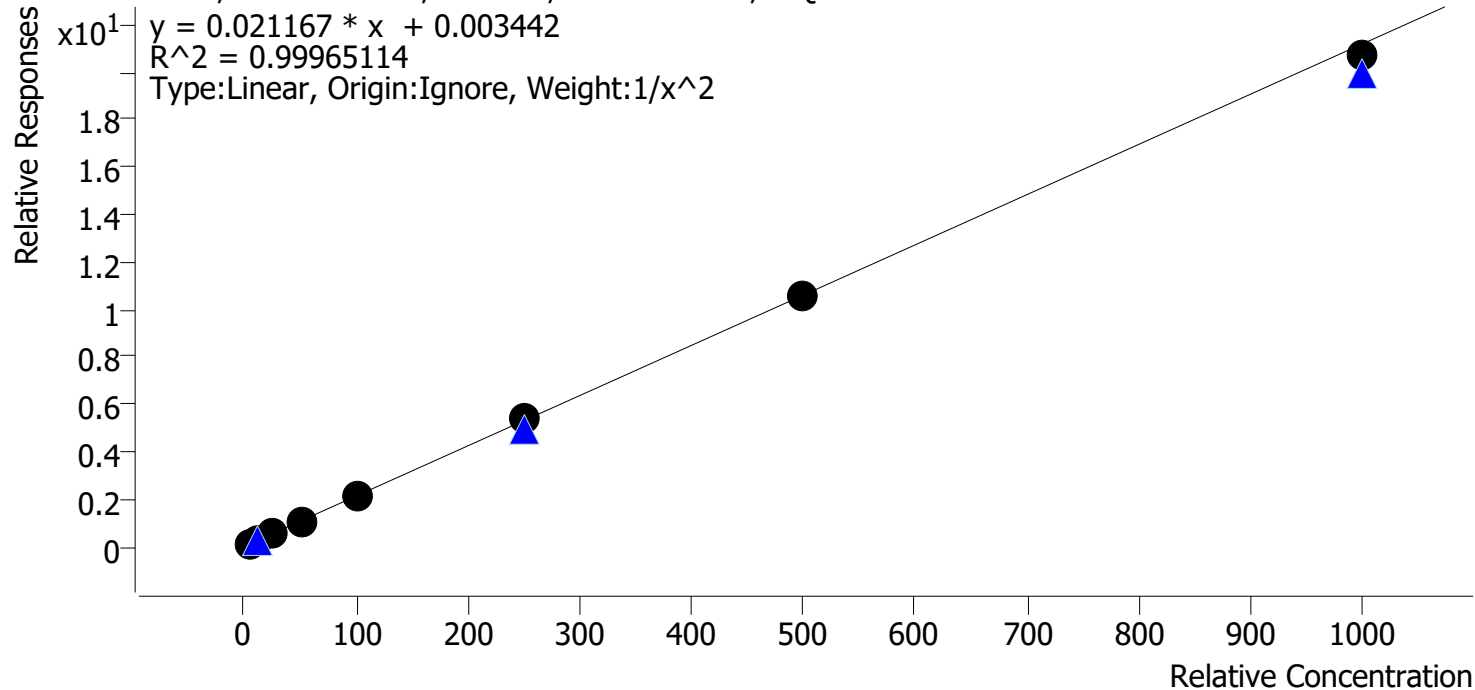
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	26.9	107.8
cal 4 mdq	4	✓	50.0	54.8	109.6
cal 5 mdq	5	✓	100.0	106.4	106.4
cal 6 mdq	6	✓	250.0	248.0	99.2
cal 7 mdq	7	✓	500.0	476.5	95.3
cal 8 mdq	8	✓	1000.0	848.7	84.9

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

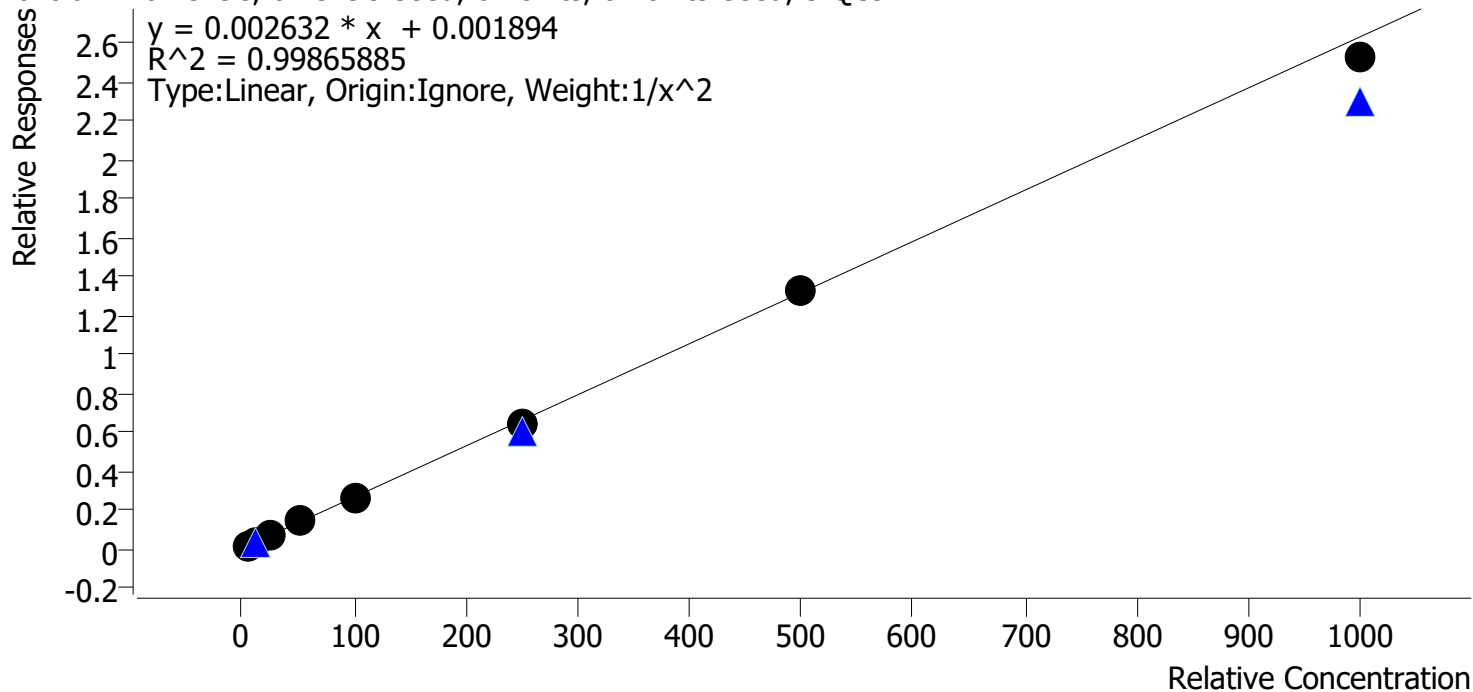


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	499.7	99.9
cal 8 mdq	8	✓	1000.0	976.9	97.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Alprazolam-D5

Etizolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



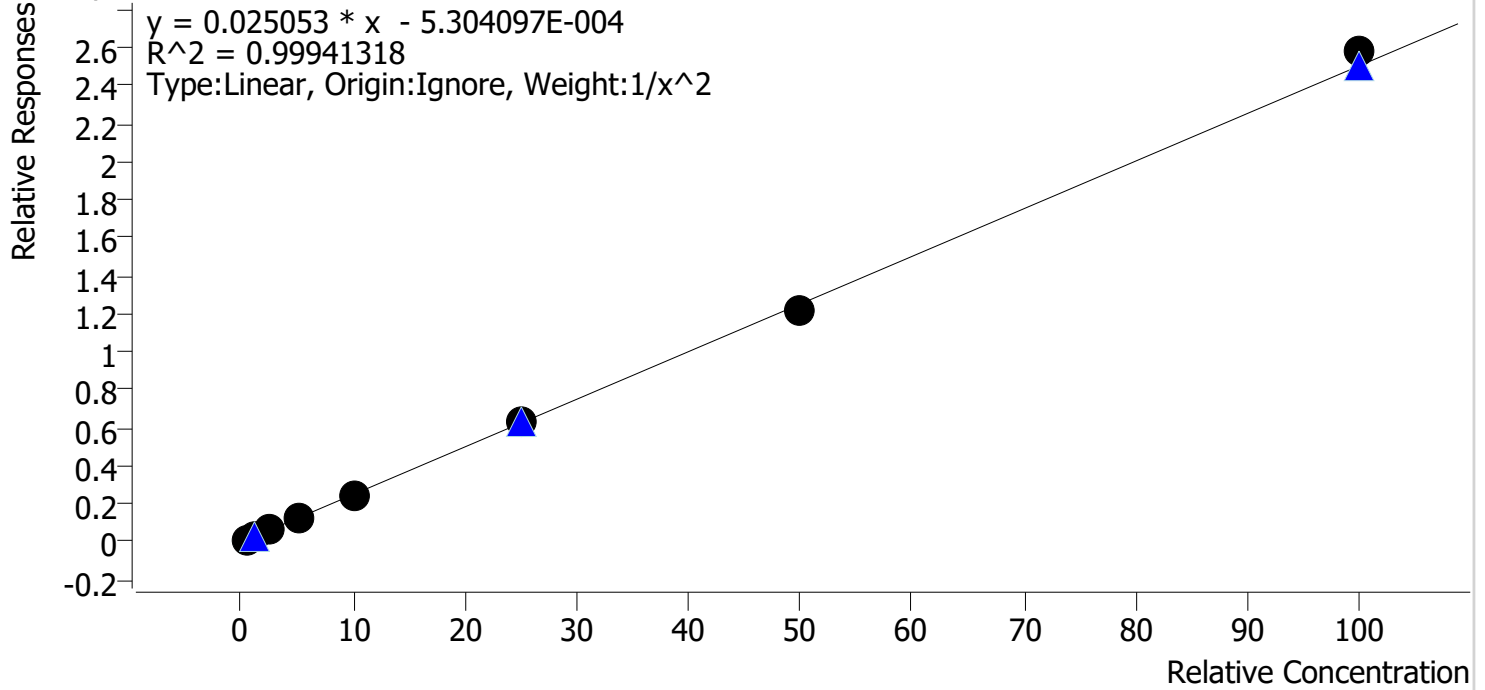
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	242.1	96.8
cal 7 mdq	7	✓	500.0	503.7	100.7
cal 8 mdq	8	✓	1000.0	959.4	95.9

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



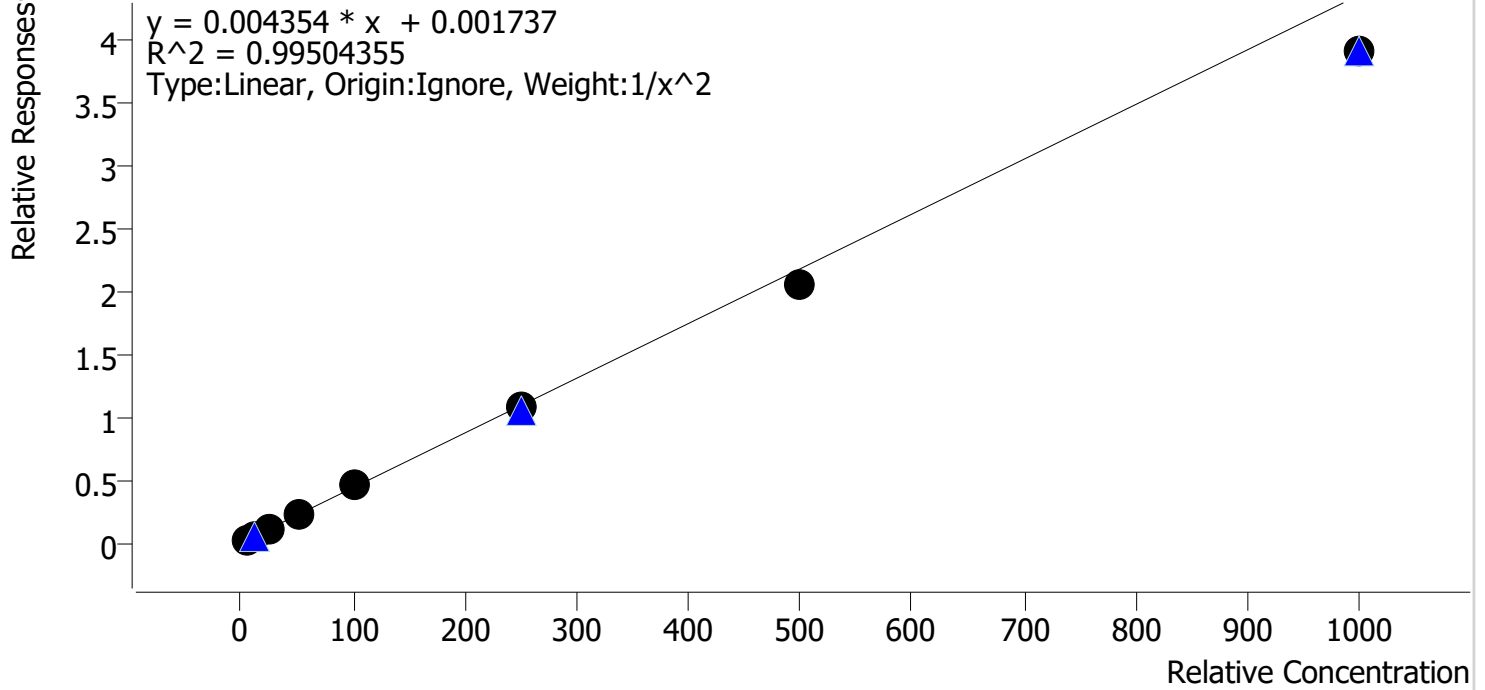
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.6
cal 2 mdq	2	✓	1.0	1.0	97.1
cal 3 mdq	3	✓	2.5	2.5	100.1
cal 4 mdq	4	✓	5.0	4.9	98.4
cal 5 mdq	5	✓	10.0	10.0	99.7
cal 6 mdq	6	✓	25.0	25.5	102.1
cal 7 mdq	7	✓	50.0	49.0	98.0
cal 8 mdq	8	✓	100.0	103.0	103.0

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylazine - D6

Xylazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



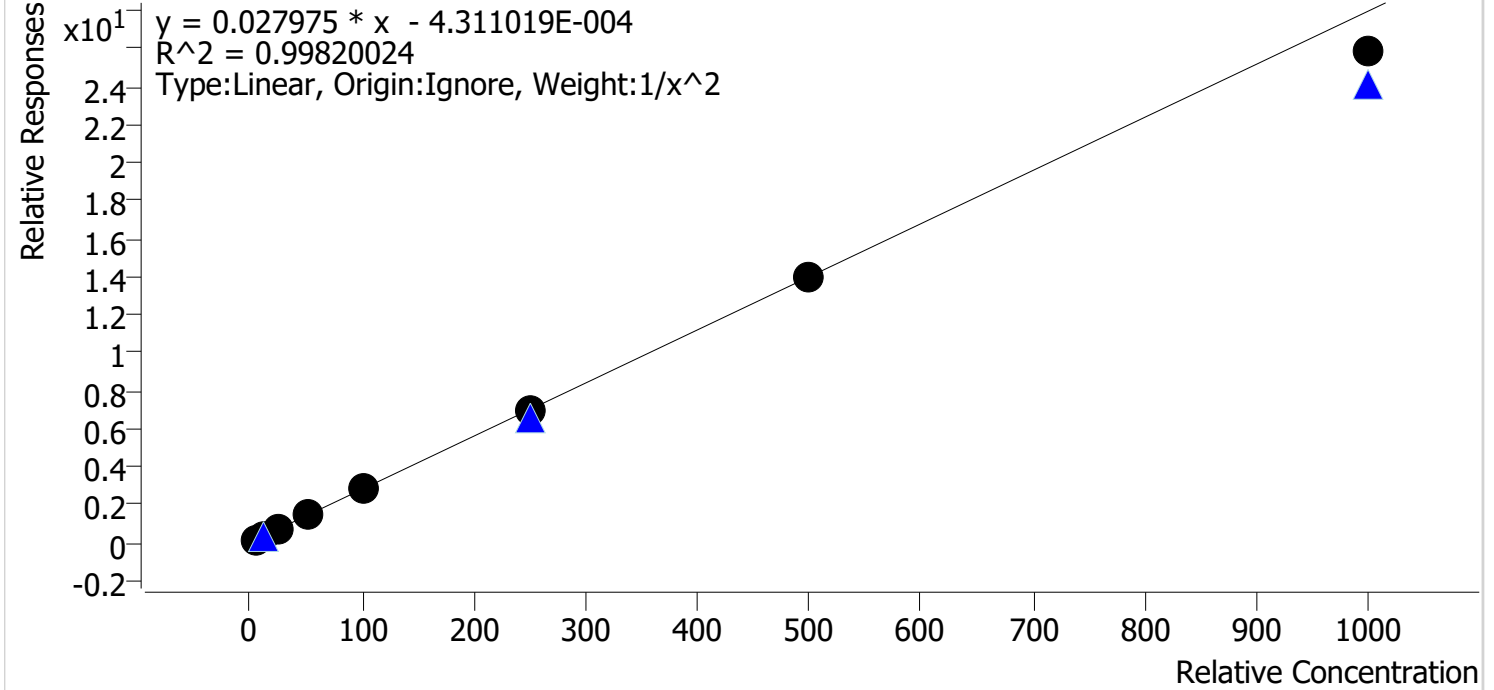
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	104.1	104.1
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	472.0	94.4
cal 8 mdq	8	✓	1000.0	895.9	89.6

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



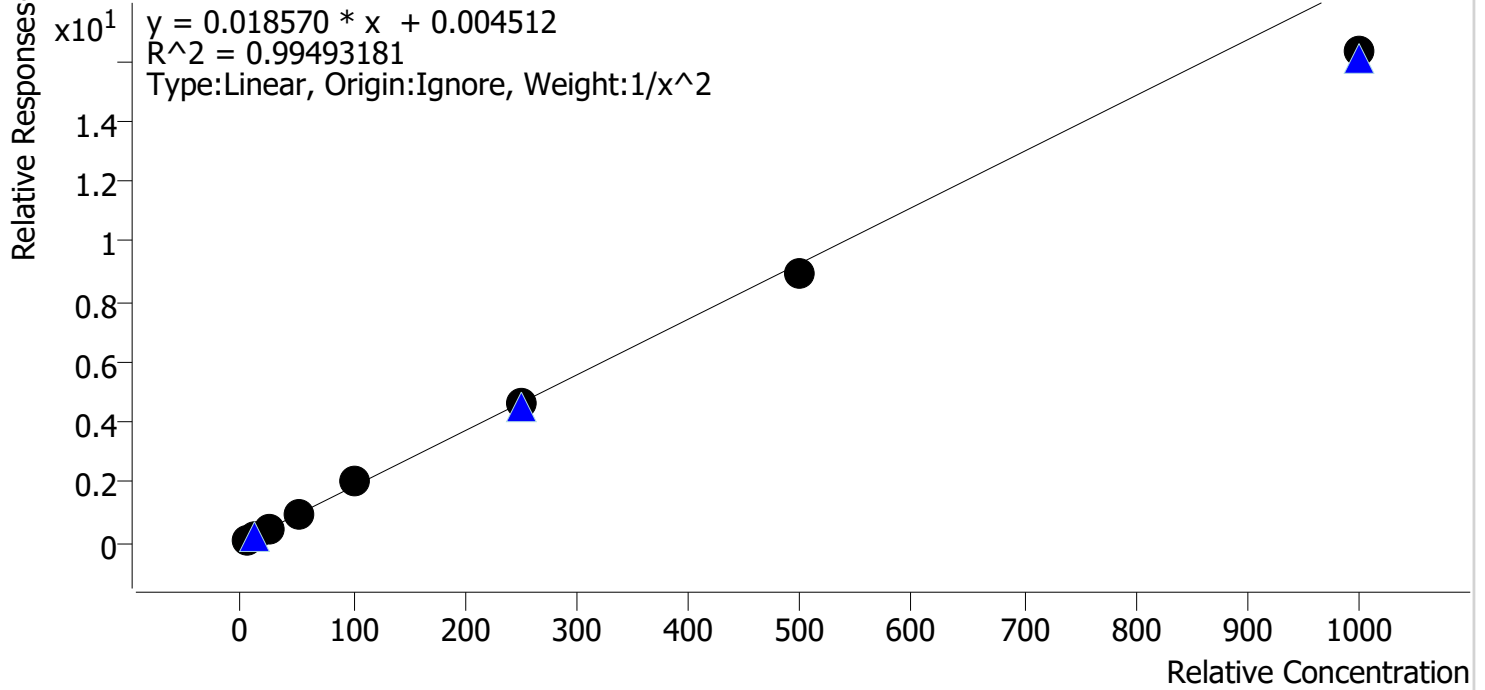
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	499.0	99.8
cal 8 mdq	8	✓	1000.0	923.8	92.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



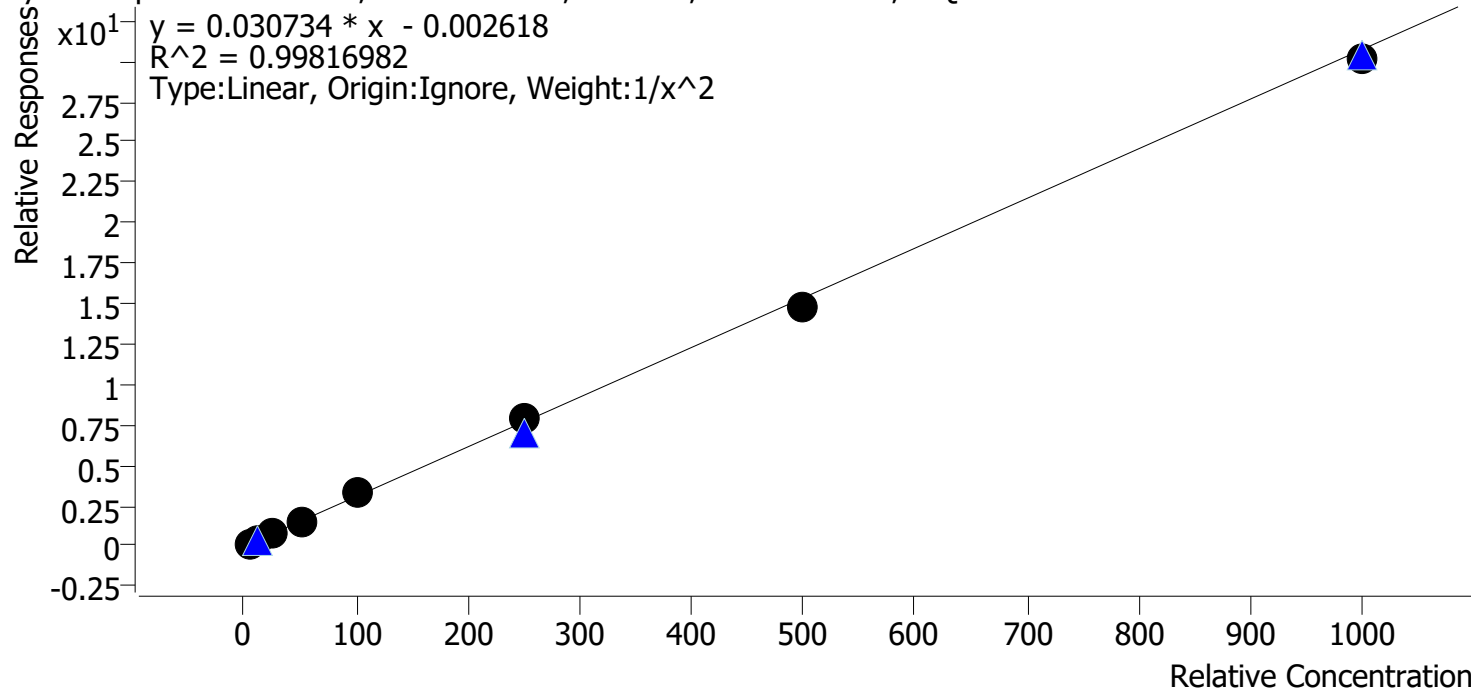
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	53.1	106.1
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	484.9	97.0
cal 8 mdq	8	✓	1000.0	878.9	87.9

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



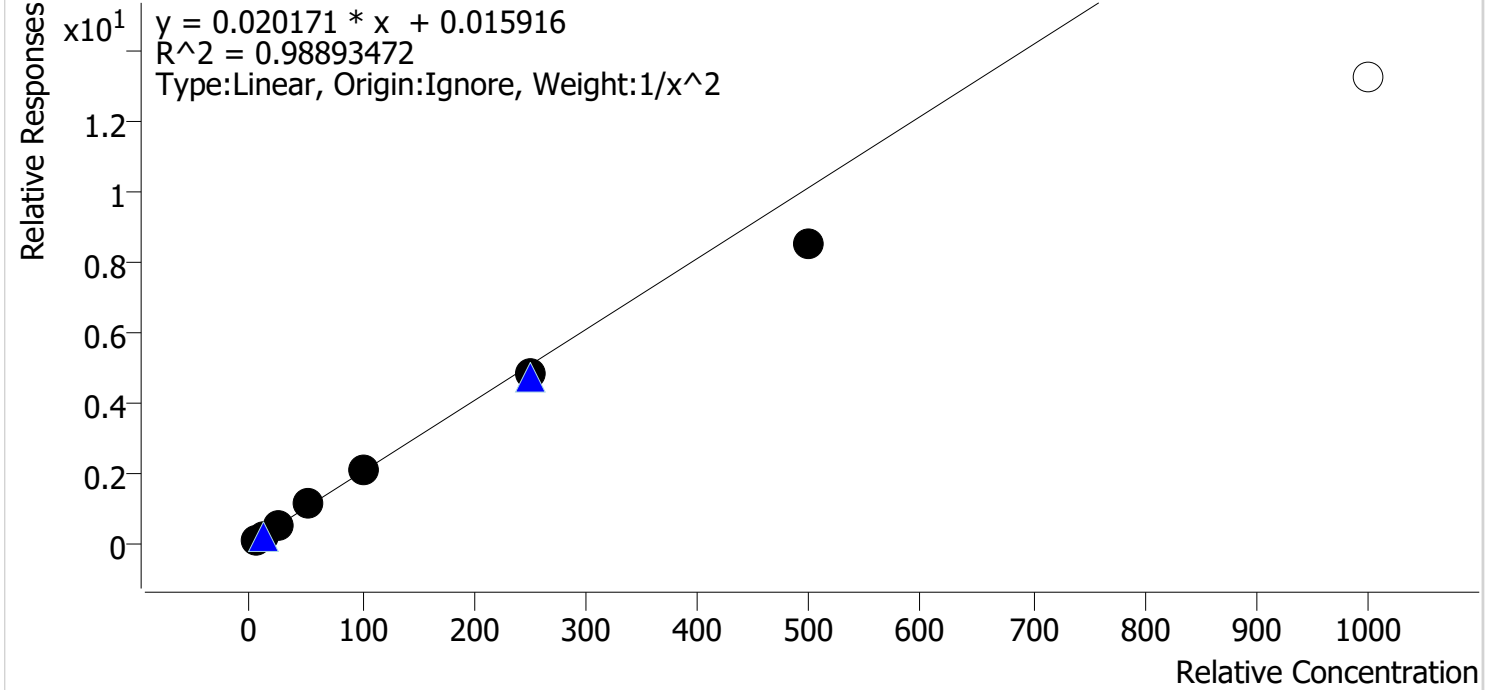
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	25.6	102.4
cal 4 mdq	4	✓	50.0	47.3	94.6
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	257.4	103.0
cal 7 mdq	7	✓	500.0	480.8	96.2
cal 8 mdq	8	✓	1000.0	978.8	97.9

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

Ketamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



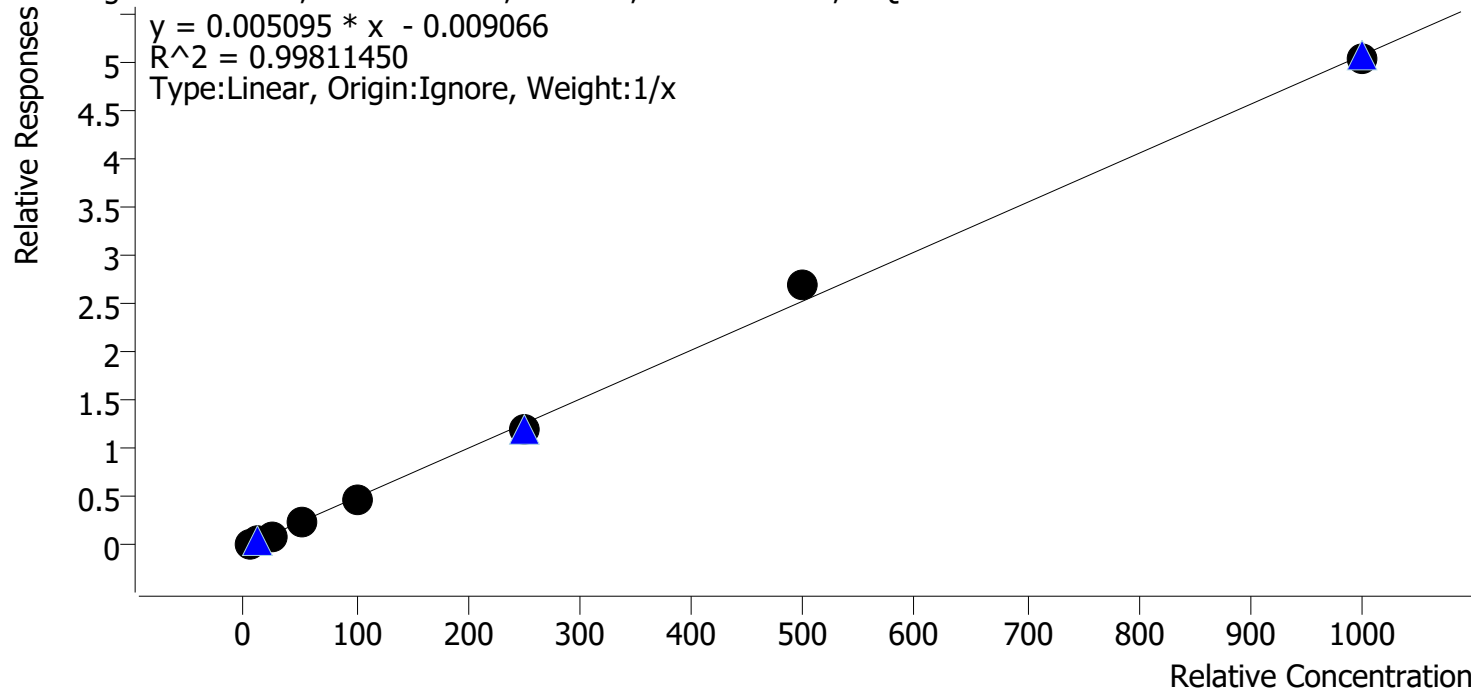
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.4
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	27.3	109.0
cal 4 mdq	4	✓	50.0	54.2	108.4
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	237.6	95.0
cal 7 mdq	7	✓	500.0	420.8	84.2
cal 8 mdq	8	✗	1000.0	655.4	65.5

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Carisoprodol-D7

Lamotrigine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



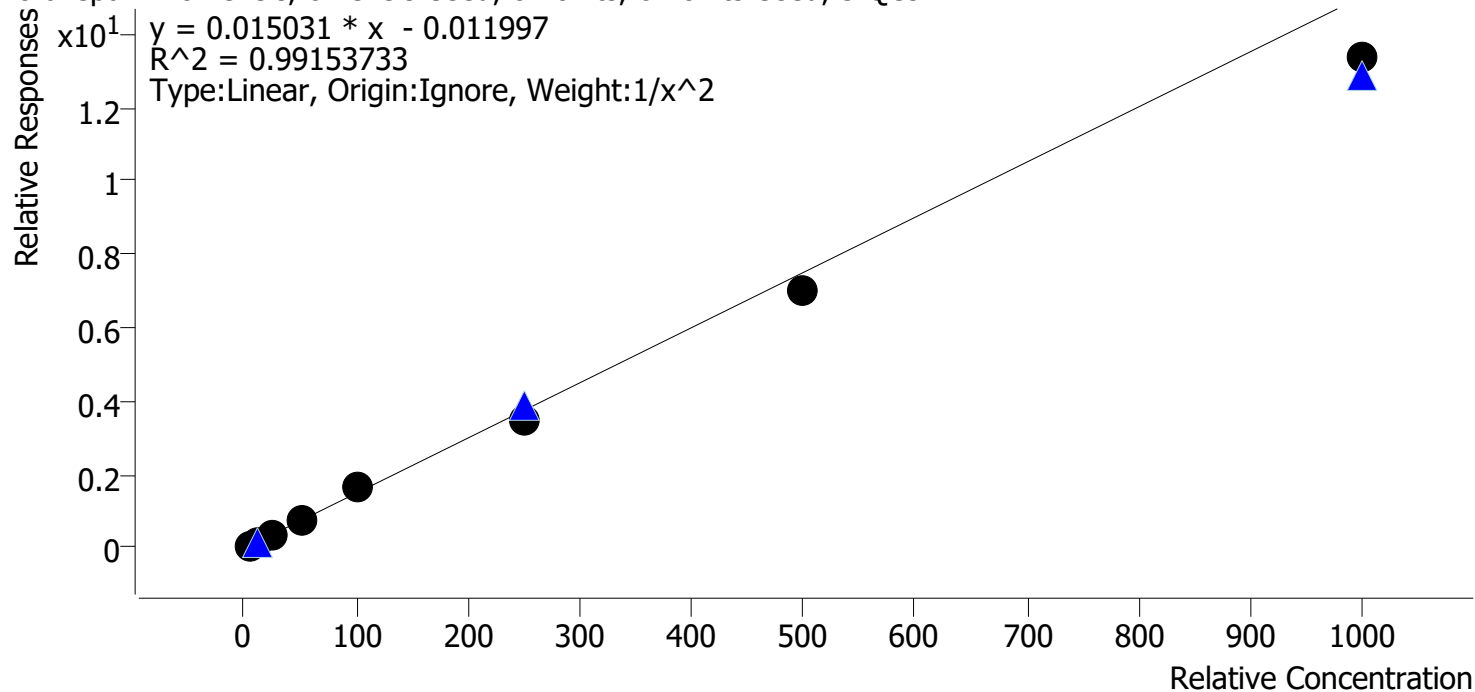
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.9	118.5
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	21.8	87.3
cal 4 mdq	4	✓	50.0	47.4	94.8
cal 5 mdq	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	239.5	95.8
cal 7 mdq	7	✓	500.0	530.0	106.0
cal 8 mdq	8	✓	1000.0	990.3	99.0

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



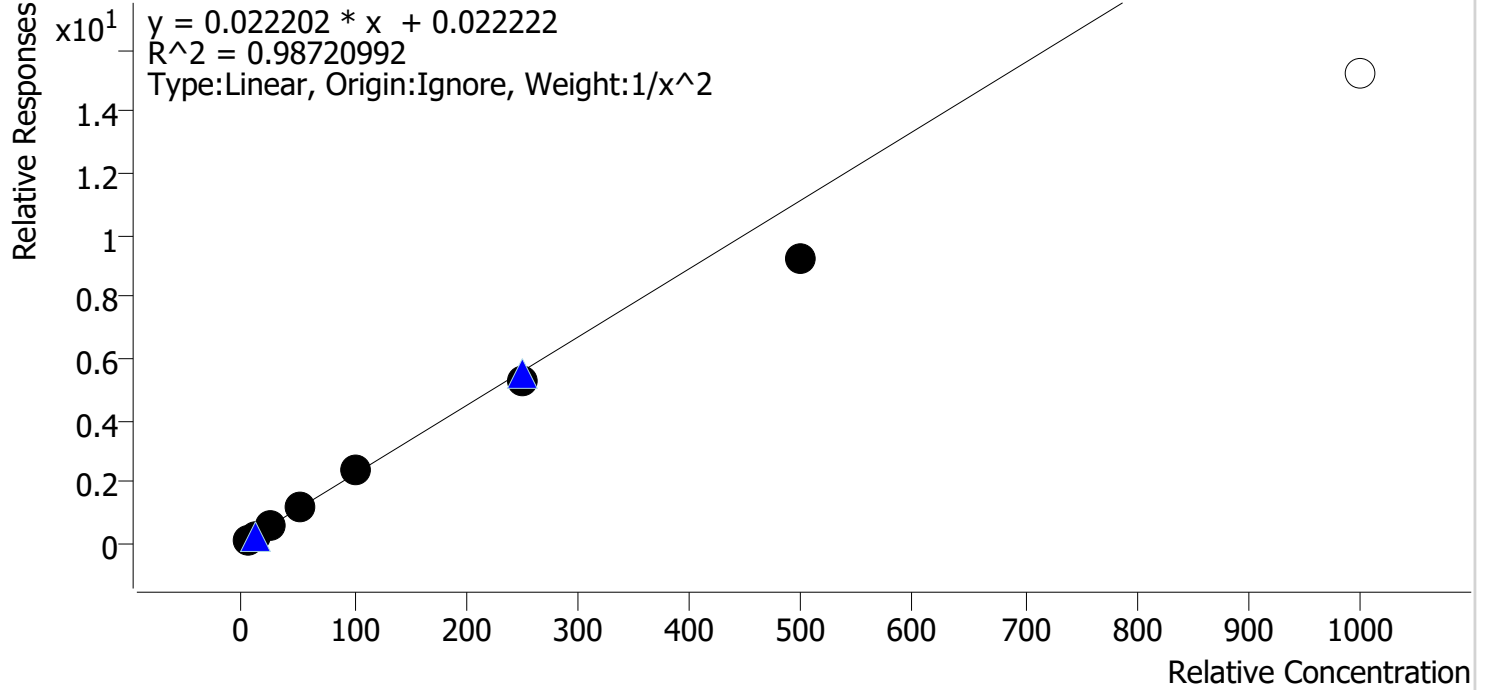
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	26.6	106.4
cal 4 mdq	4	✓	50.0	52.9	105.7
cal 5 mdq	5	✓	100.0	113.3	113.3
cal 6 mdq	6	✓	250.0	235.5	94.2
cal 7 mdq	7	✓	500.0	468.8	93.8
cal 8 mdq	8	✓	1000.0	889.4	88.9

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



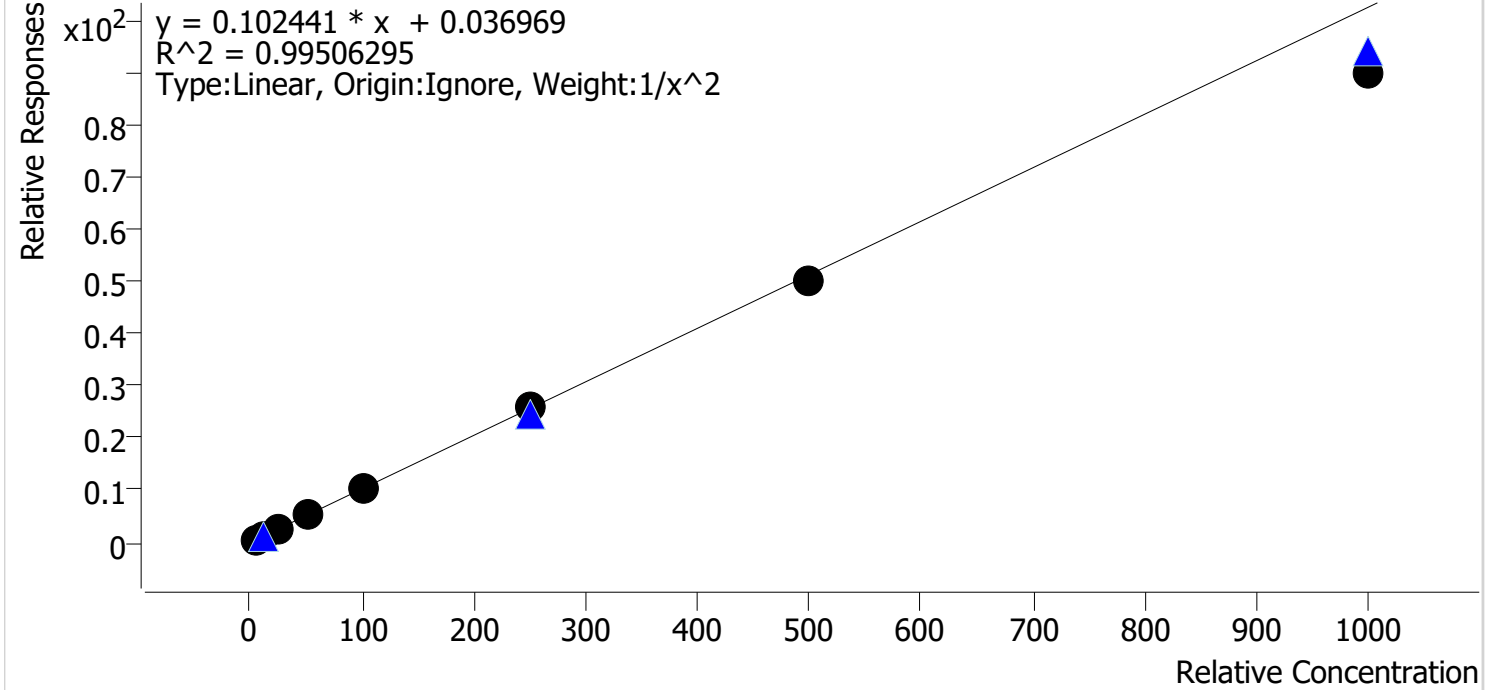
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	27.1	108.6
cal 4 mdq	4	✓	50.0	54.0	107.9
cal 5 mdq	5	✓	100.0	106.9	106.9
cal 6 mdq	6	✓	250.0	235.4	94.2
cal 7 mdq	7	✓	500.0	414.0	82.8
cal 8 mdq	8	✗	1000.0	684.0	68.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



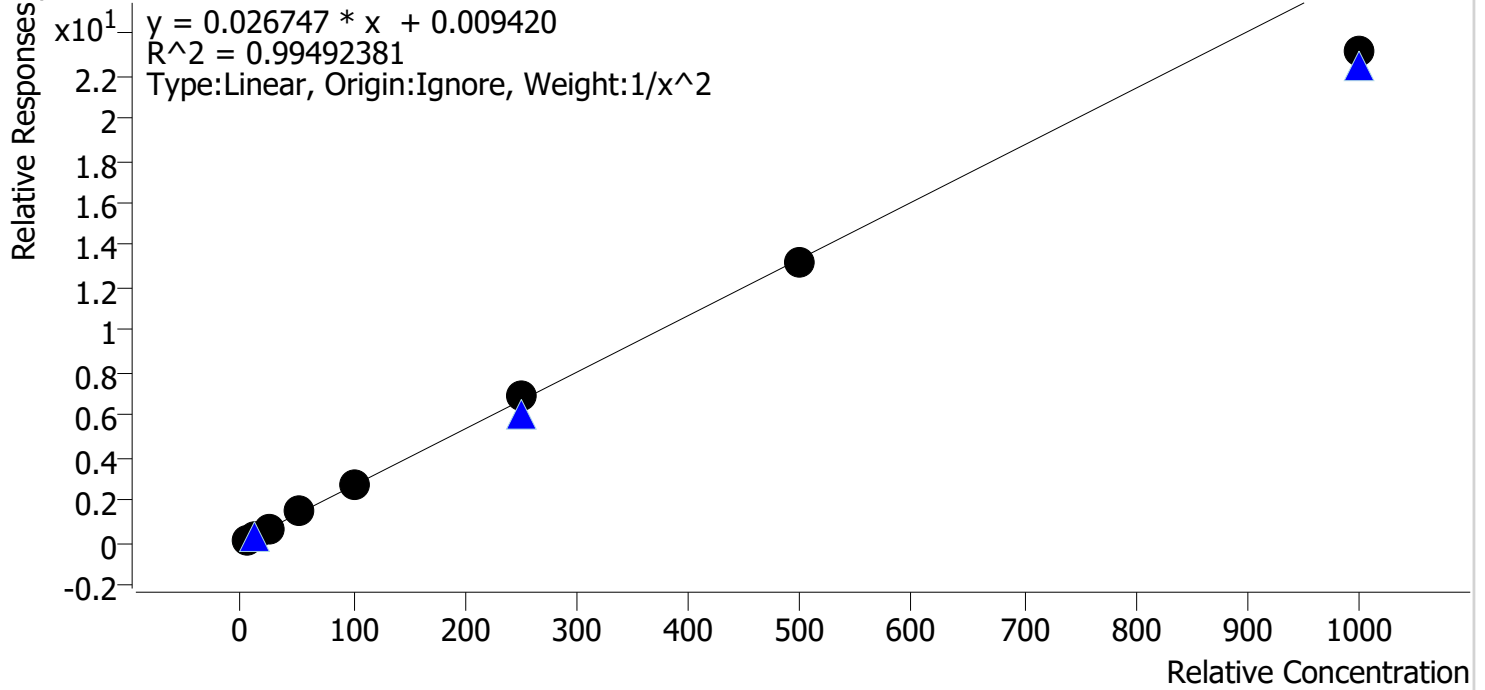
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	52.1	104.3
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	488.6	97.7
cal 8 mdq	8	✓	1000.0	874.0	87.4

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



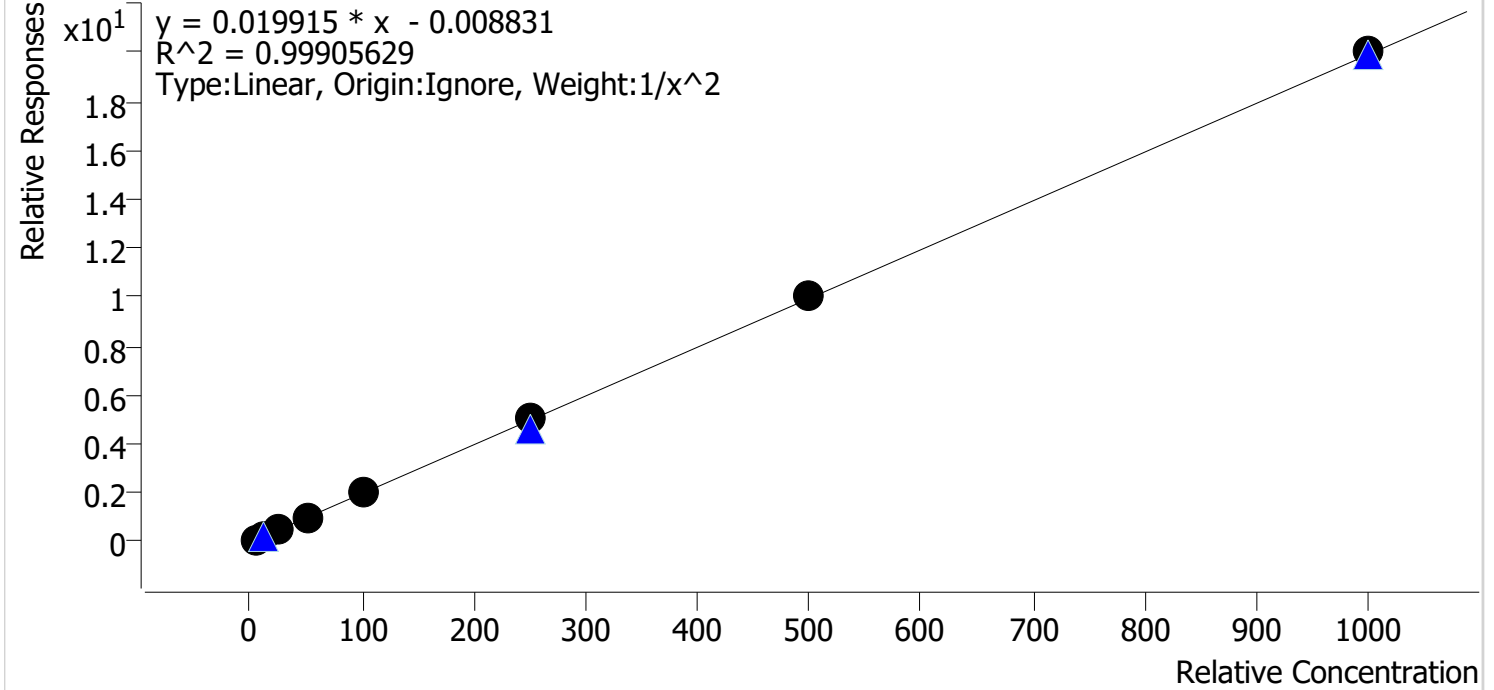
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	259.9	104.0
cal 7 mdq	7	✓	500.0	490.7	98.1
cal 8 mdq	8	✓	1000.0	864.9	86.5

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



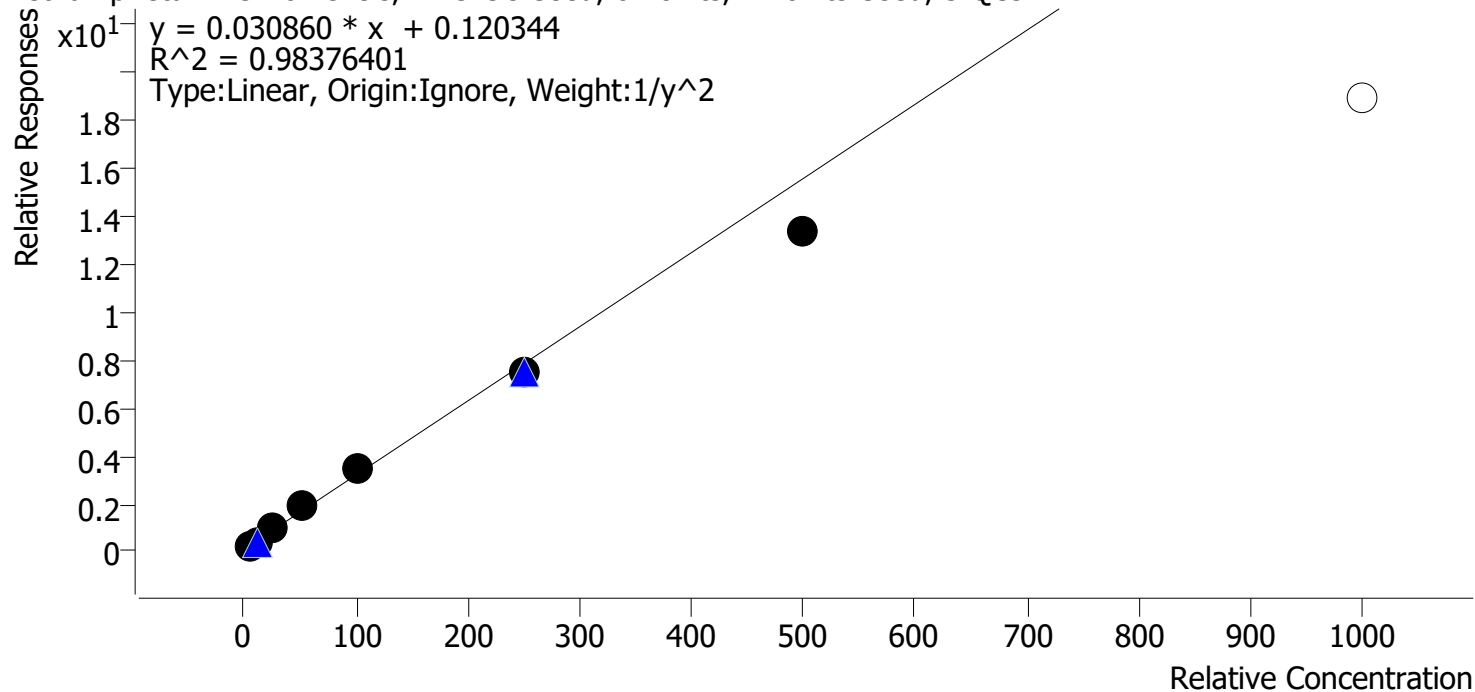
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	508.9	101.8
cal 8 mdq	8	✓	1000.0	1006.2	100.6

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



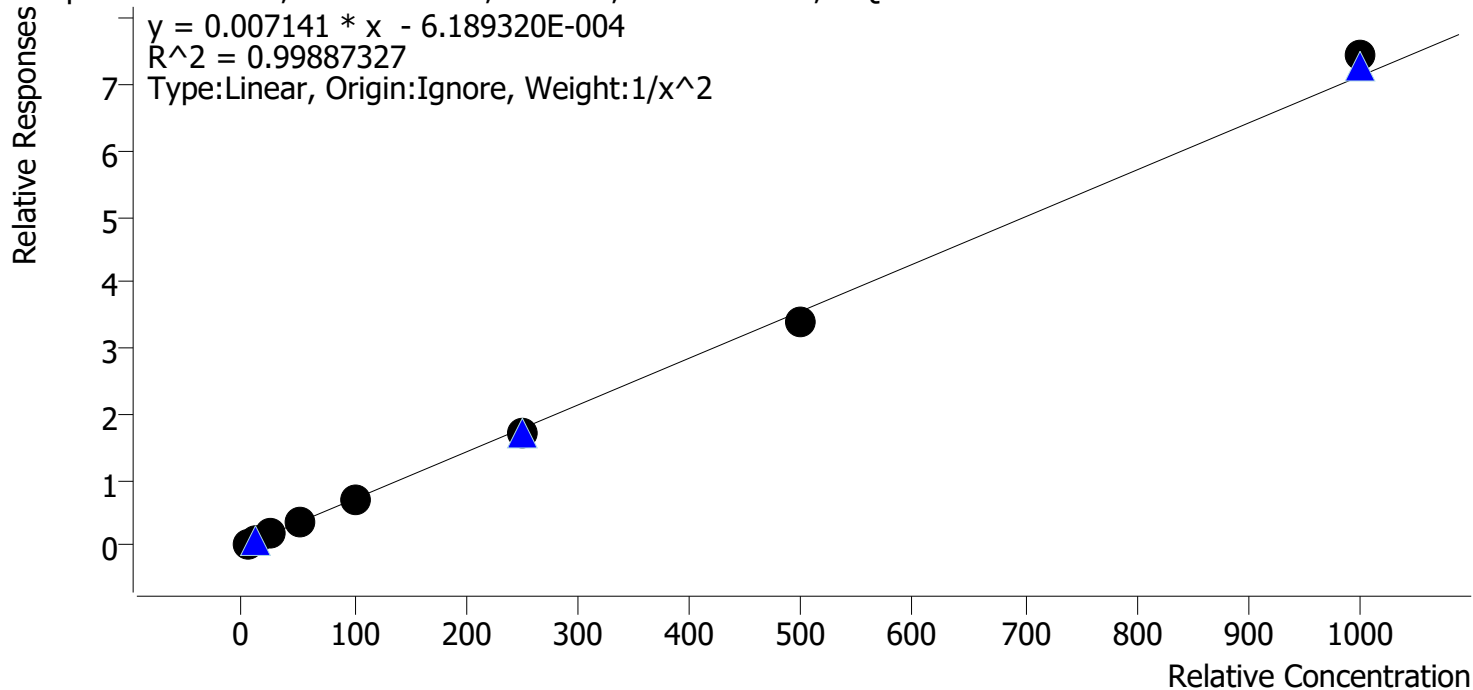
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.7
cal 2 mdq	2	✓	10.0	10.7	107.0
cal 3 mdq	3	✓	25.0	27.7	110.8
cal 4 mdq	4	✓	50.0	57.6	115.3
cal 5 mdq	5	✓	100.0	108.4	108.4
cal 6 mdq	6	✓	250.0	240.9	96.4
cal 7 mdq	7	✓	500.0	429.1	85.8
cal 8 mdq	8	✗	1000.0	606.9	60.7

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Citalopram-D6

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



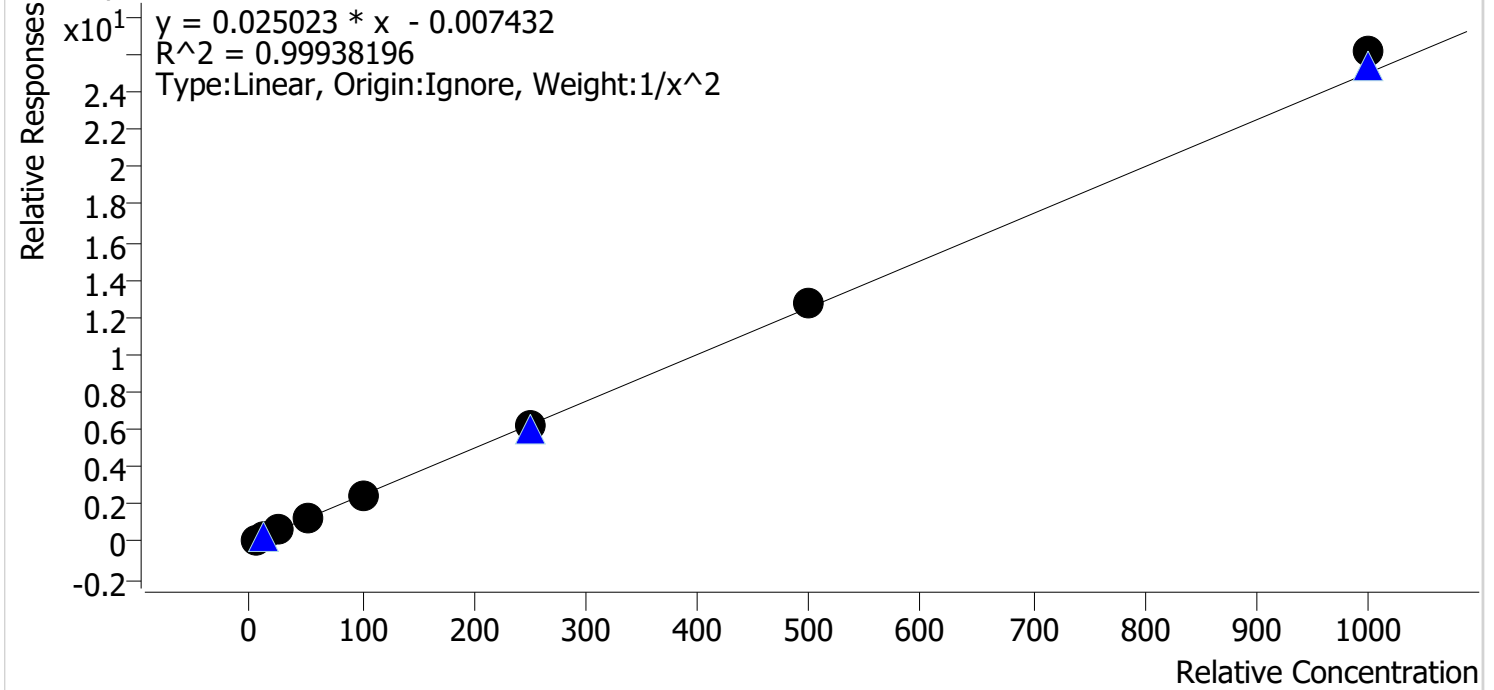
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	243.6	97.5
cal 7 mdq	7	✓	500.0	478.2	95.6
cal 8 mdq	8	✓	1000.0	1043.5	104.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Pseudoephedrine-D3

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

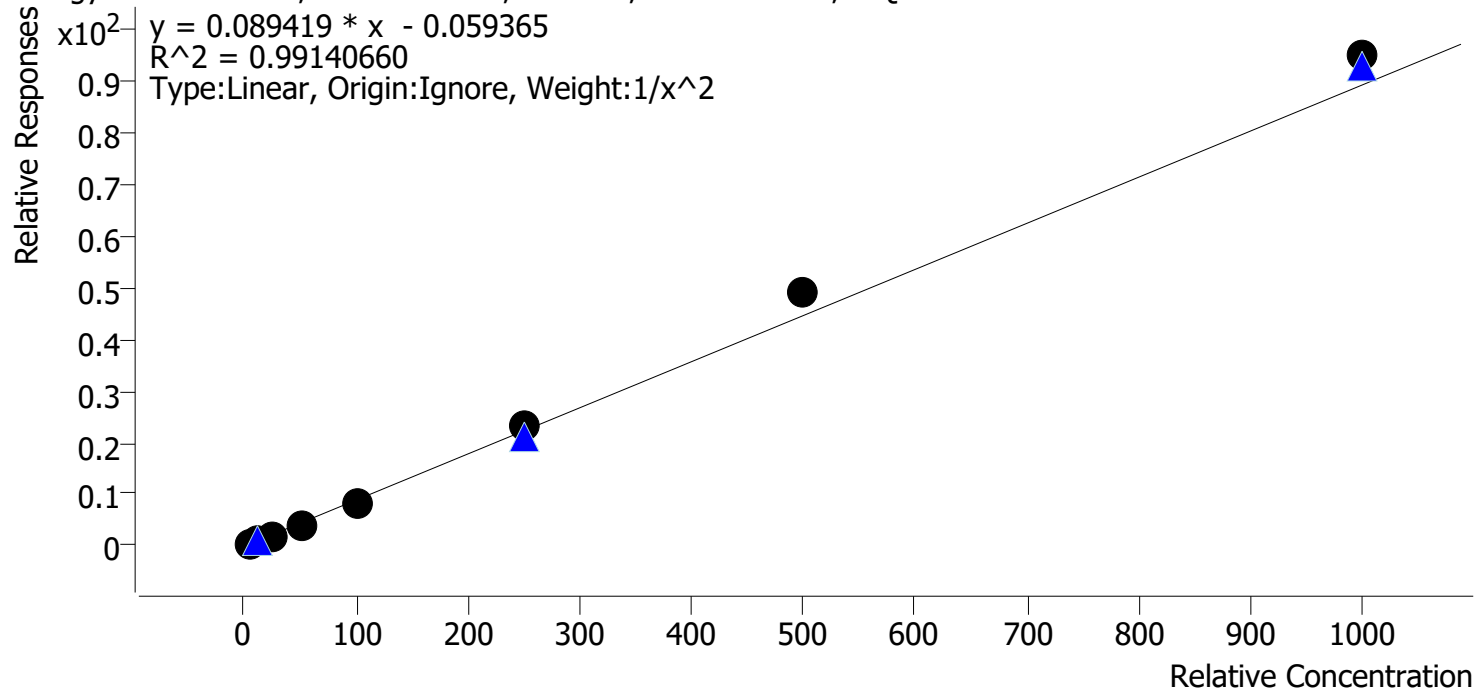


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	49.4	98.7
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	247.1	98.8
cal 7 mdq	7	✓	500.0	505.7	101.1
cal 8 mdq	8	✓	1000.0	1045.5	104.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Codeine-D6

Mitragynine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

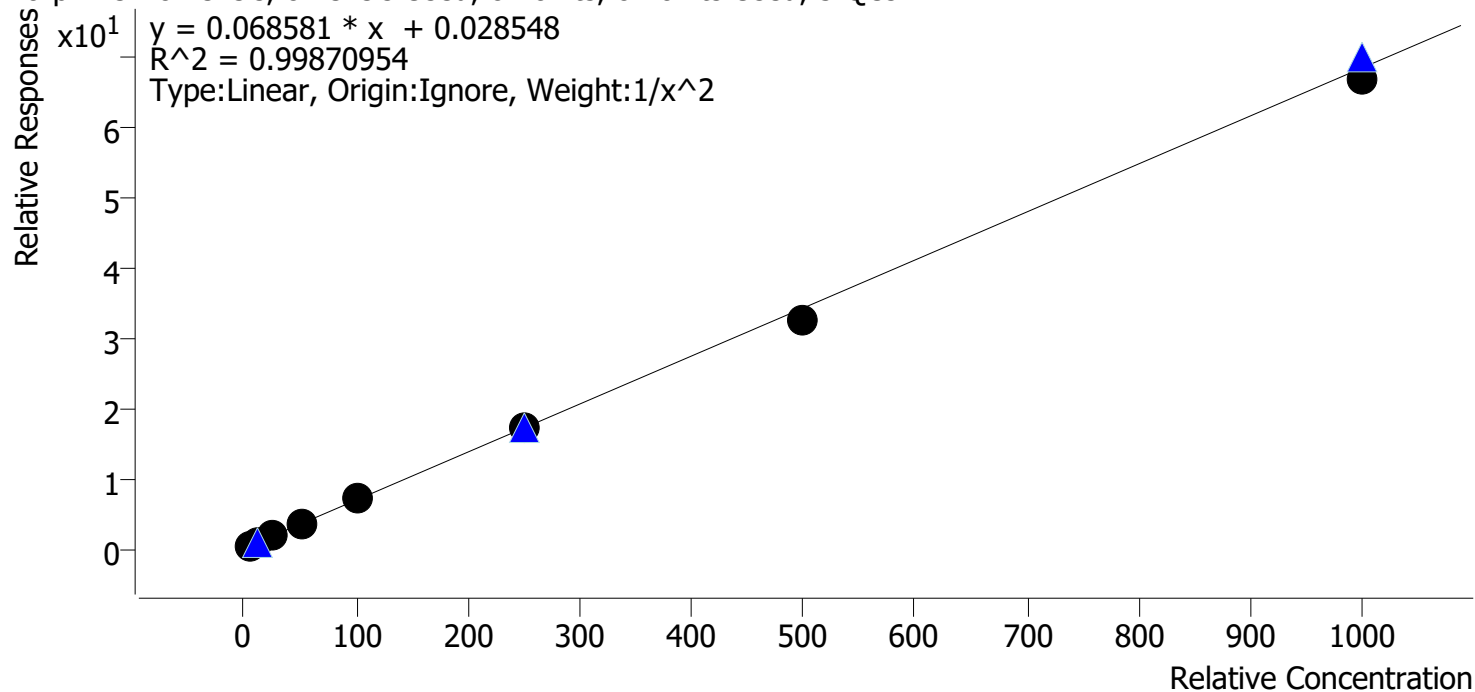


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.5
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	21.8	87.4
cal 4 mdq	4	✓	50.0	46.5	92.9
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	264.8	105.9
cal 7 mdq	7	✓	500.0	551.5	110.3
cal 8 mdq	8	✓	1000.0	1063.7	106.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



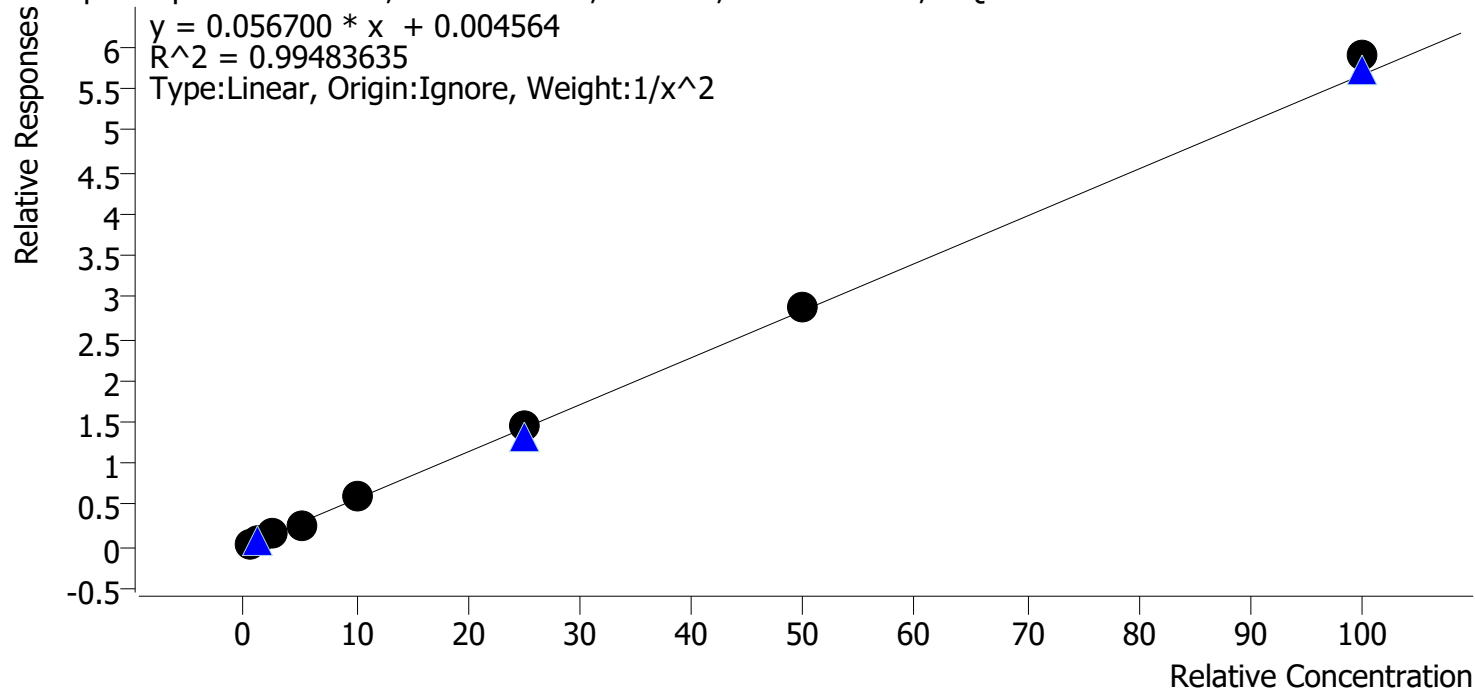
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.7	99.0
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	105.2	105.2
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	474.6	94.9
cal 8 mdq	8	✓	1000.0	980.0	98.0

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



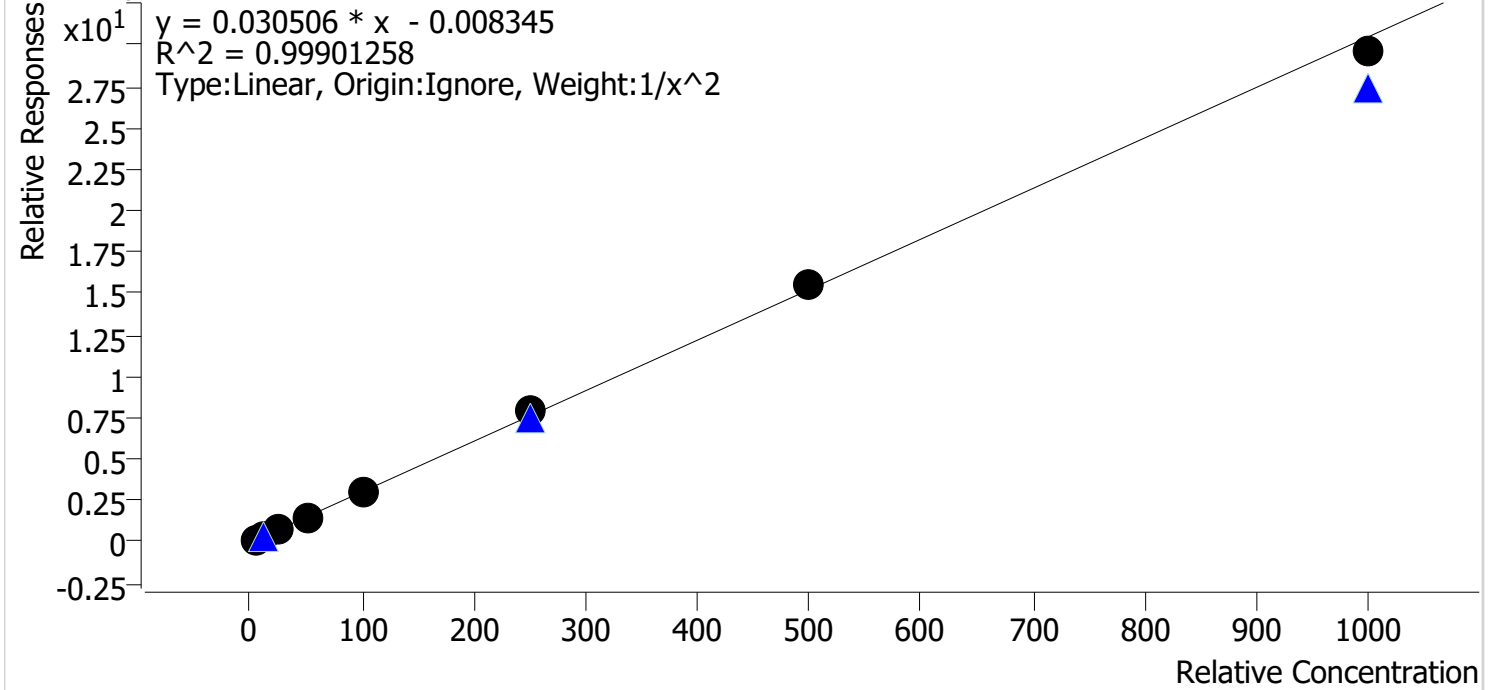
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.8
cal 2 mdq	2	✓	1.0	0.9	93.4
cal 3 mdq	3	✓	2.5	2.4	95.4
cal 4 mdq	4	✓	5.0	4.5	89.8
cal 5 mdq	5	✓	10.0	10.7	106.8
cal 6 mdq	6	✓	25.0	25.9	103.6
cal 7 mdq	7	✓	50.0	51.1	102.1
cal 8 mdq	8	✓	100.0	104.1	104.1

Compound Calibration Report

NAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



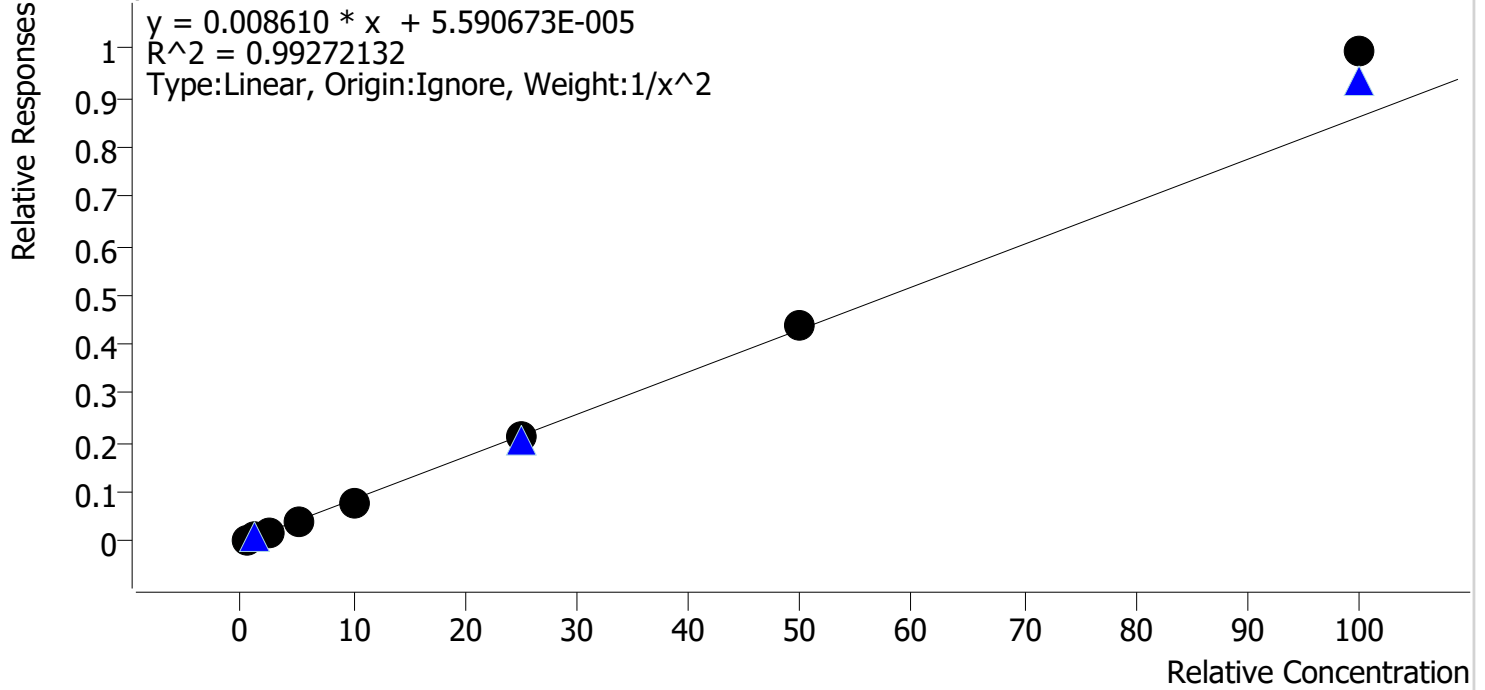
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	260.3	104.1
cal 7 mdq	7	✓	500.0	508.1	101.6
cal 8 mdq	8	✓	1000.0	970.9	97.1

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



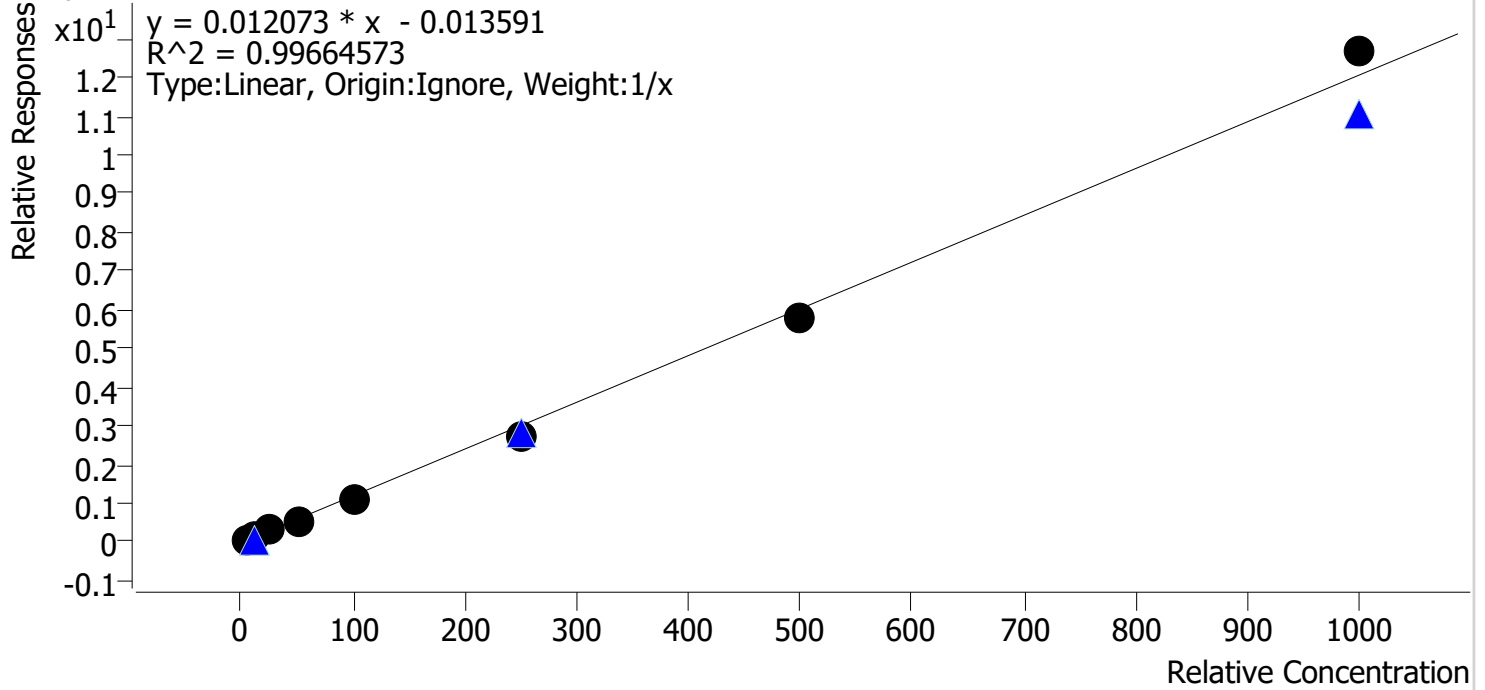
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.8
cal 2 mdq	2	✓	1.0	0.9	94.3
cal 3 mdq	3	✓	2.5	2.3	93.2
cal 4 mdq	4	✓	5.0	4.8	95.1
cal 5 mdq	5	✓	10.0	9.5	95.3
cal 6 mdq	6	✓	25.0	25.0	100.1
cal 7 mdq	7	✓	50.0	50.9	101.8
cal 8 mdq	8	✓	100.0	115.4	115.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



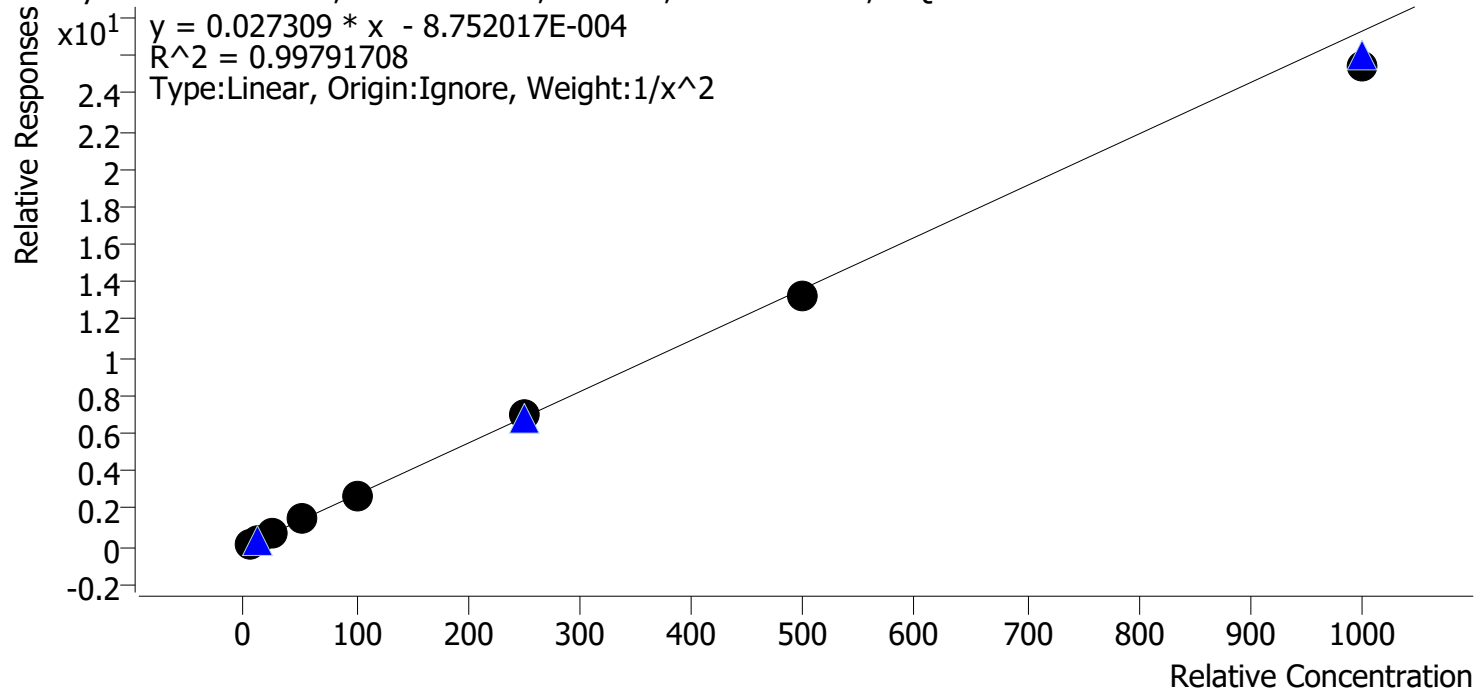
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.9	118.8
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	46.9	93.9
cal 5 mdq	5	✓	100.0	92.5	92.5
cal 6 mdq	6	✓	250.0	229.5	91.8
cal 7 mdq	7	✓	500.0	479.8	96.0
cal 8 mdq	8	✓	1000.0	1050.2	105.0

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



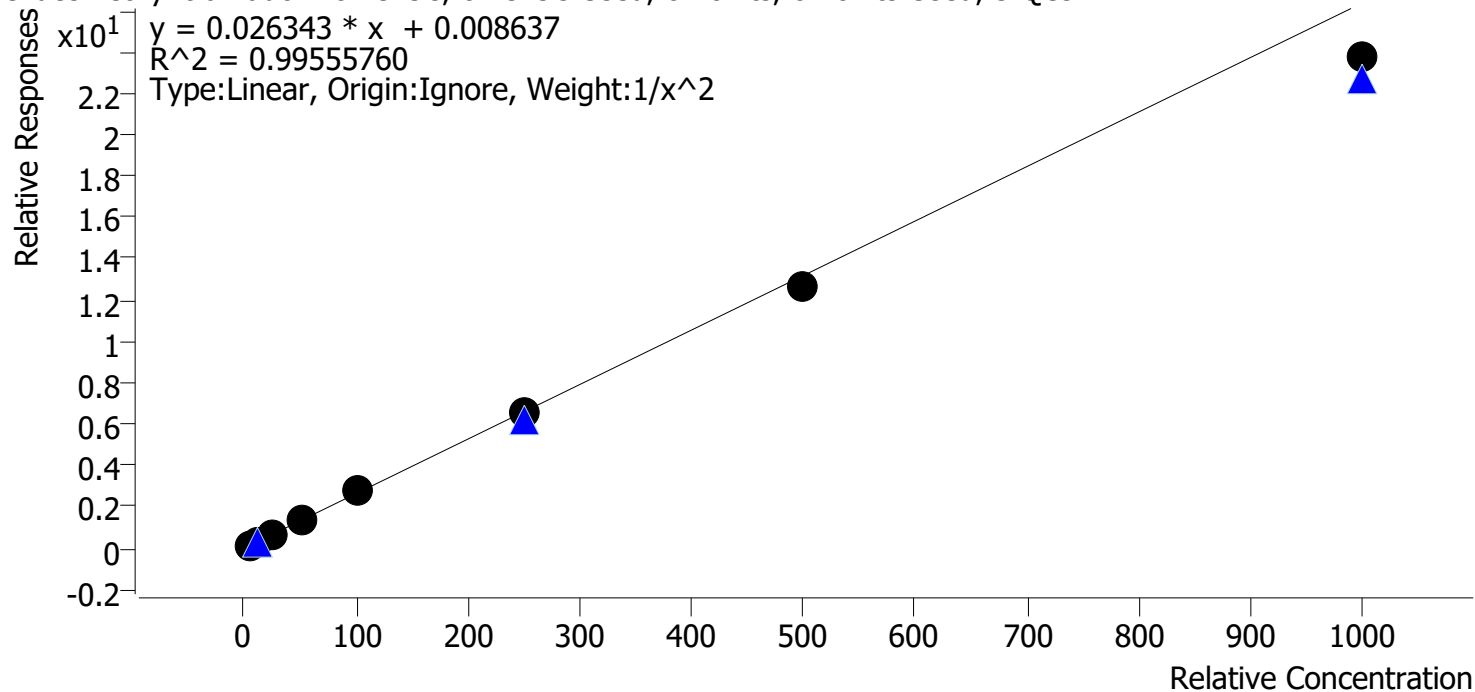
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	26.2	105.0
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	253.9	101.6
cal 7 mdq	7	✓	500.0	485.2	97.0
cal 8 mdq	8	✓	1000.0	935.0	93.5

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



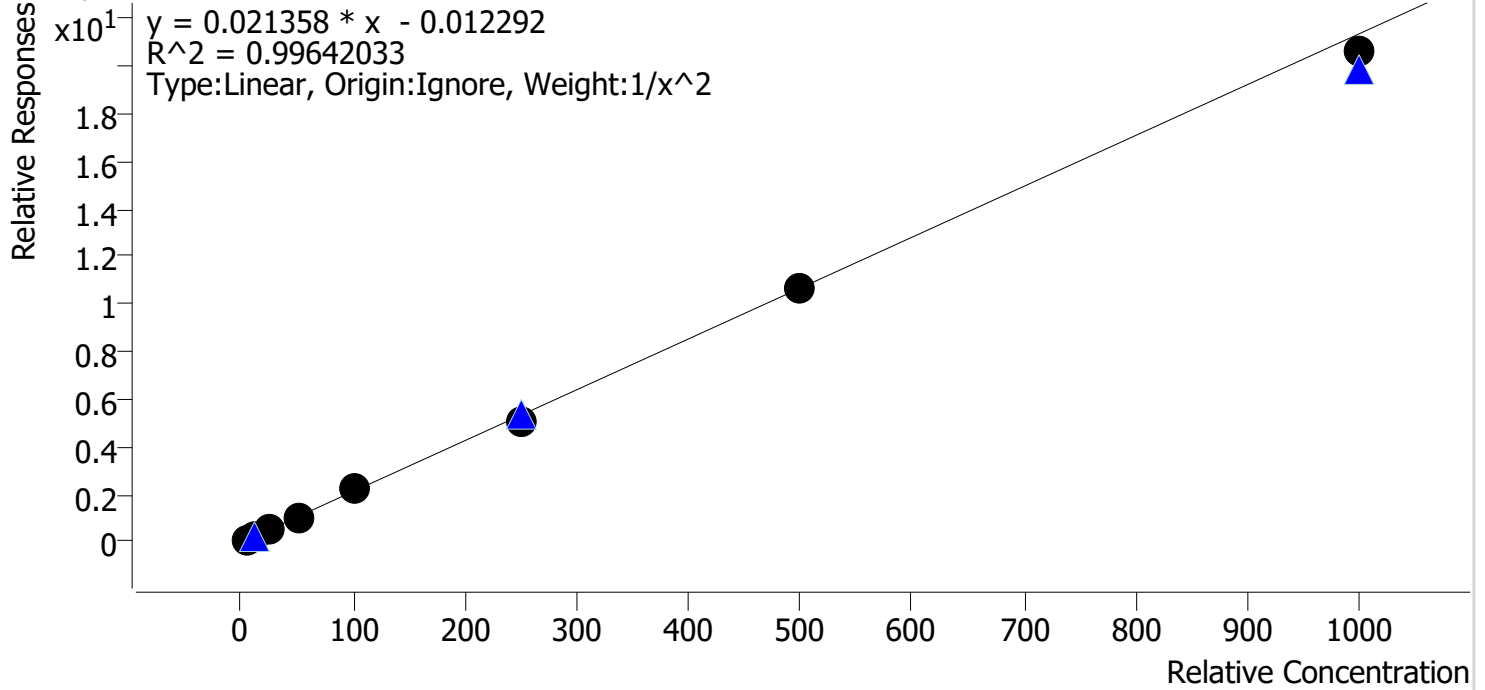
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	104.2	104.2
cal 6 mdq	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	476.5	95.3
cal 8 mdq	8	✓	1000.0	900.6	90.1

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

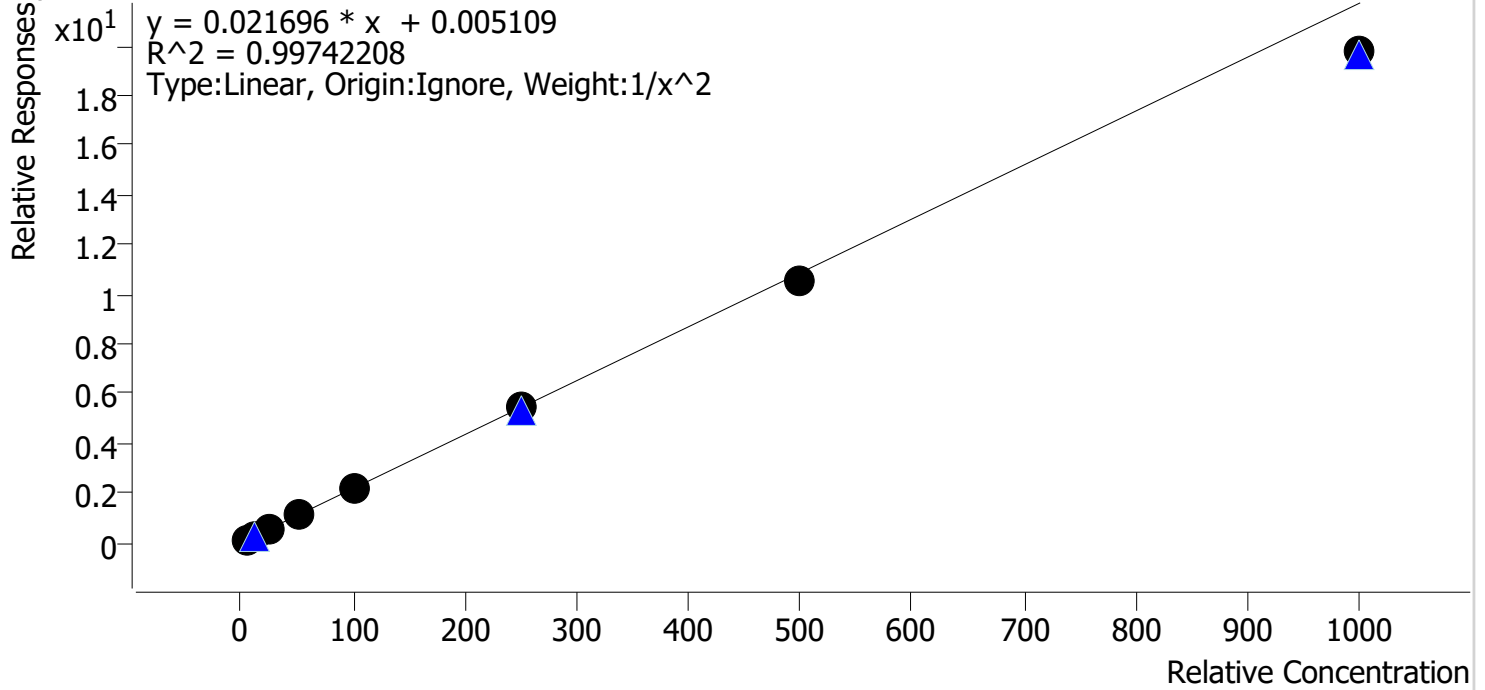


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.3	93.1
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	108.7	108.7
cal 6 mdq	6	✓	250.0	235.2	94.1
cal 7 mdq	7	✓	500.0	503.1	100.6
cal 8 mdq	8	✓	1000.0	965.0	96.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



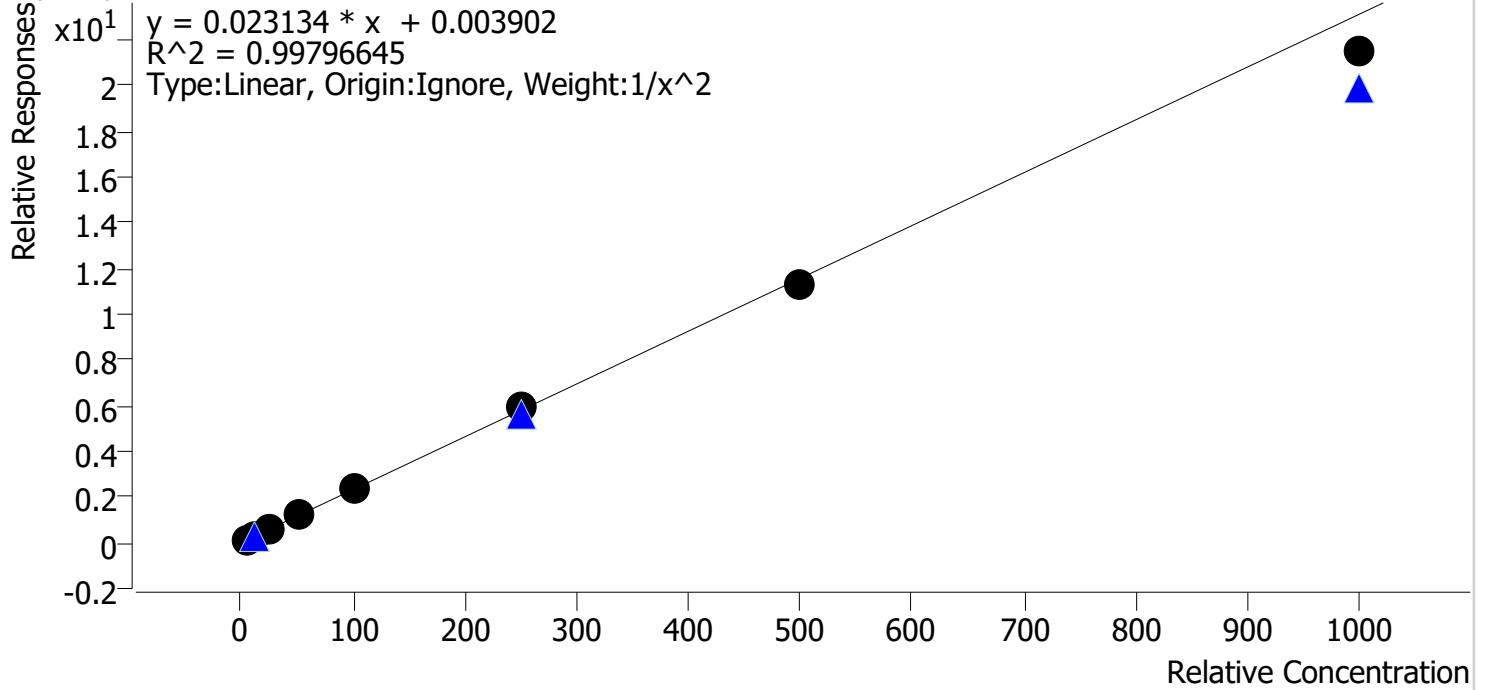
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.7	103.0
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	485.8	97.2
cal 8 mdq	8	✓	1000.0	910.4	91.0

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



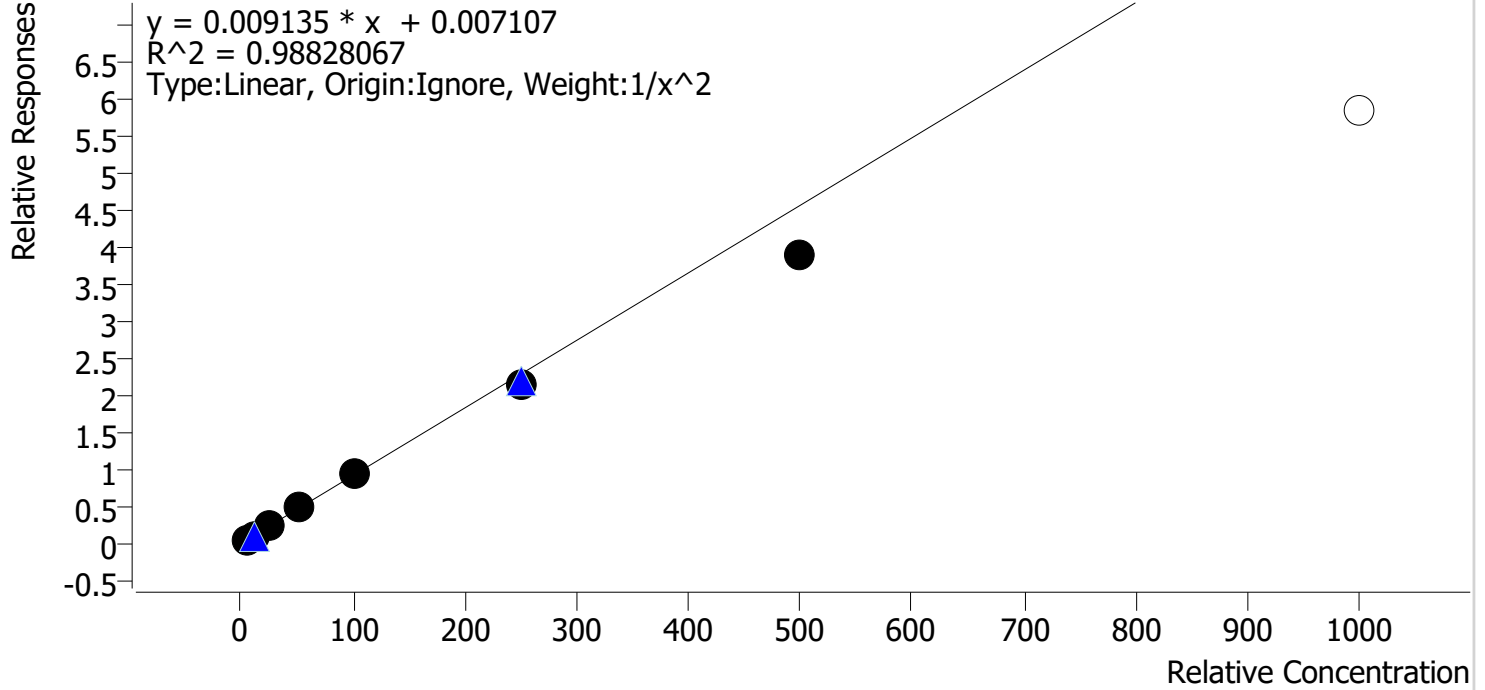
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	257.8	103.1
cal 7 mdq	7	✓	500.0	485.0	97.0
cal 8 mdq	8	✓	1000.0	929.3	92.9

Compound Calibration Report

MB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



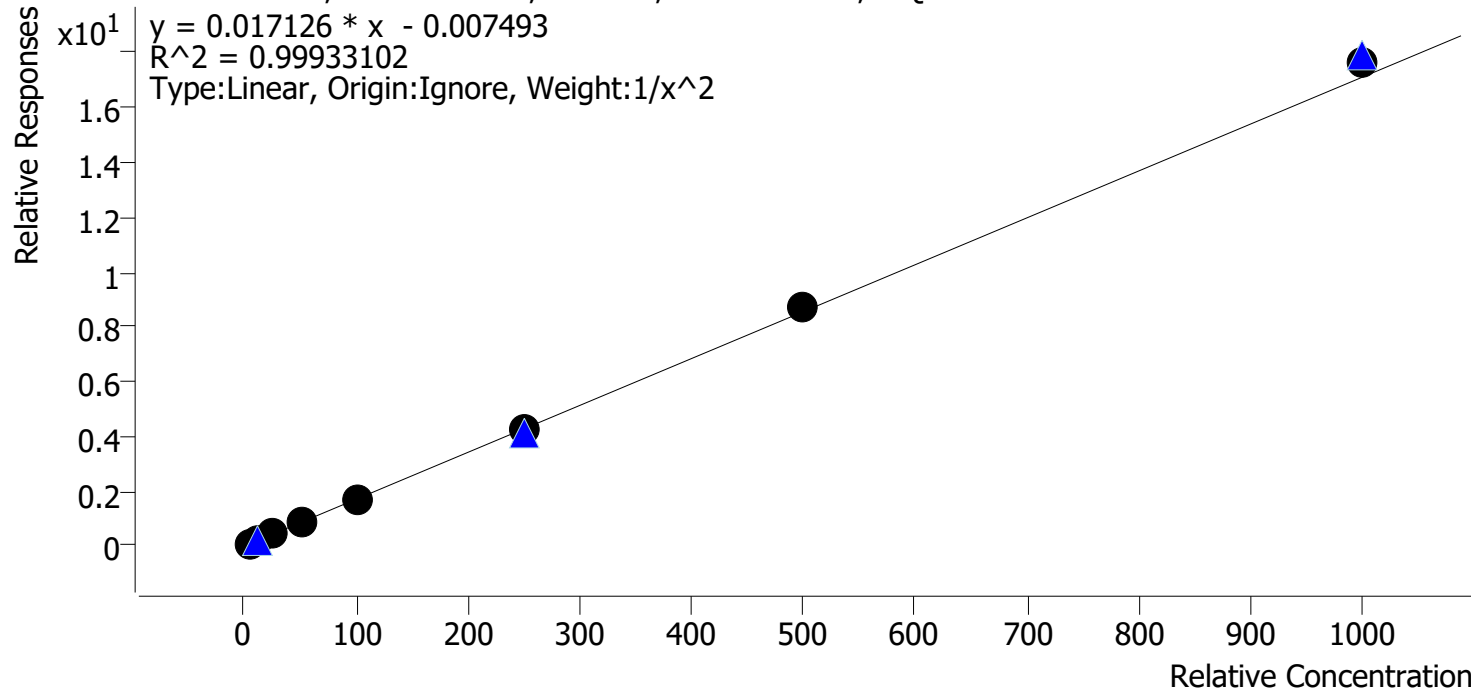
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.3
cal 2 mdq	2	✓	10.0	10.6	105.9
cal 3 mdq	3	✓	25.0	27.5	110.1
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	235.0	94.0
cal 7 mdq	7	✓	500.0	423.9	84.8
cal 8 mdq	8	✗	1000.0	641.3	64.1

Compound Calibration Report

MSB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



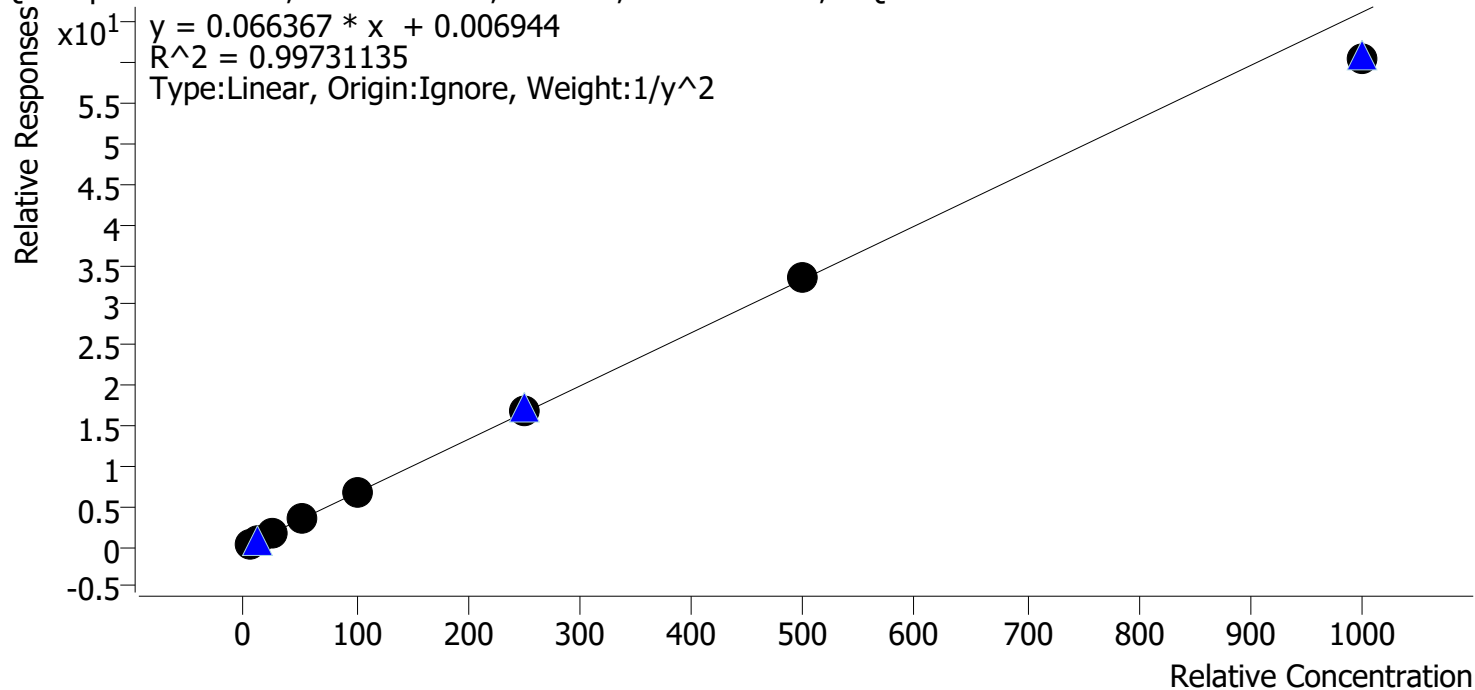
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	506.4	101.3
cal 8 mdq	8	✓	1000.0	1028.6	102.9

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

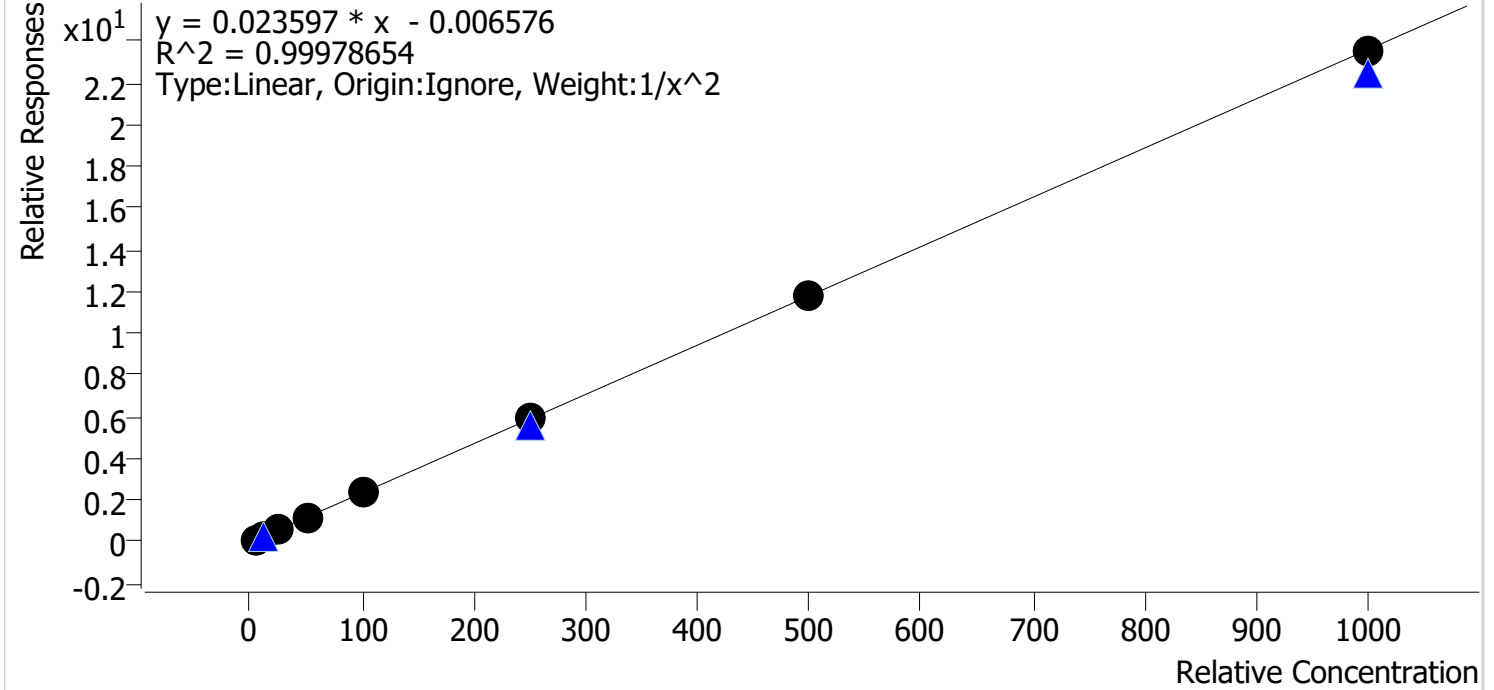


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	53.4	106.7
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	503.3	100.7
cal 8 mdq	8	✓	1000.0	913.6	91.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



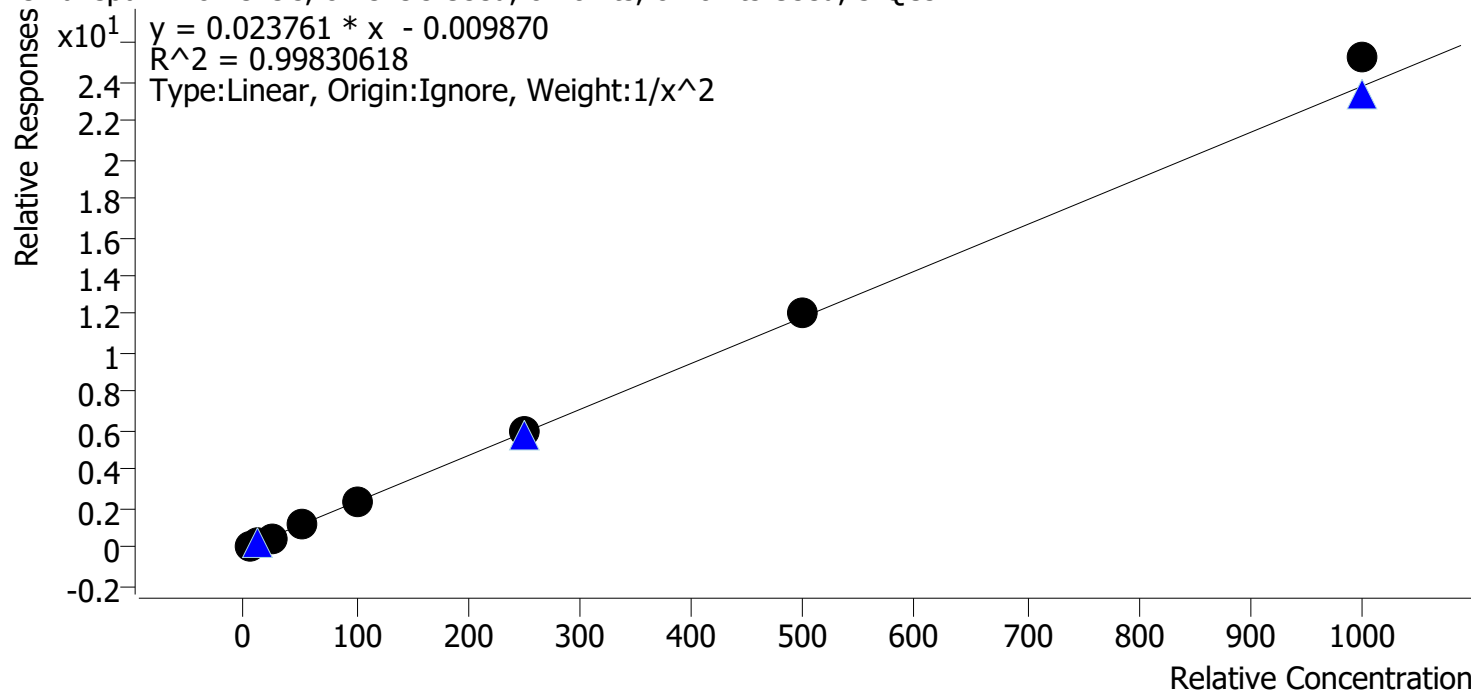
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	50.5	101.1
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	251.9	100.7
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	995.8	99.6

Compound Calibration Report

WEB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



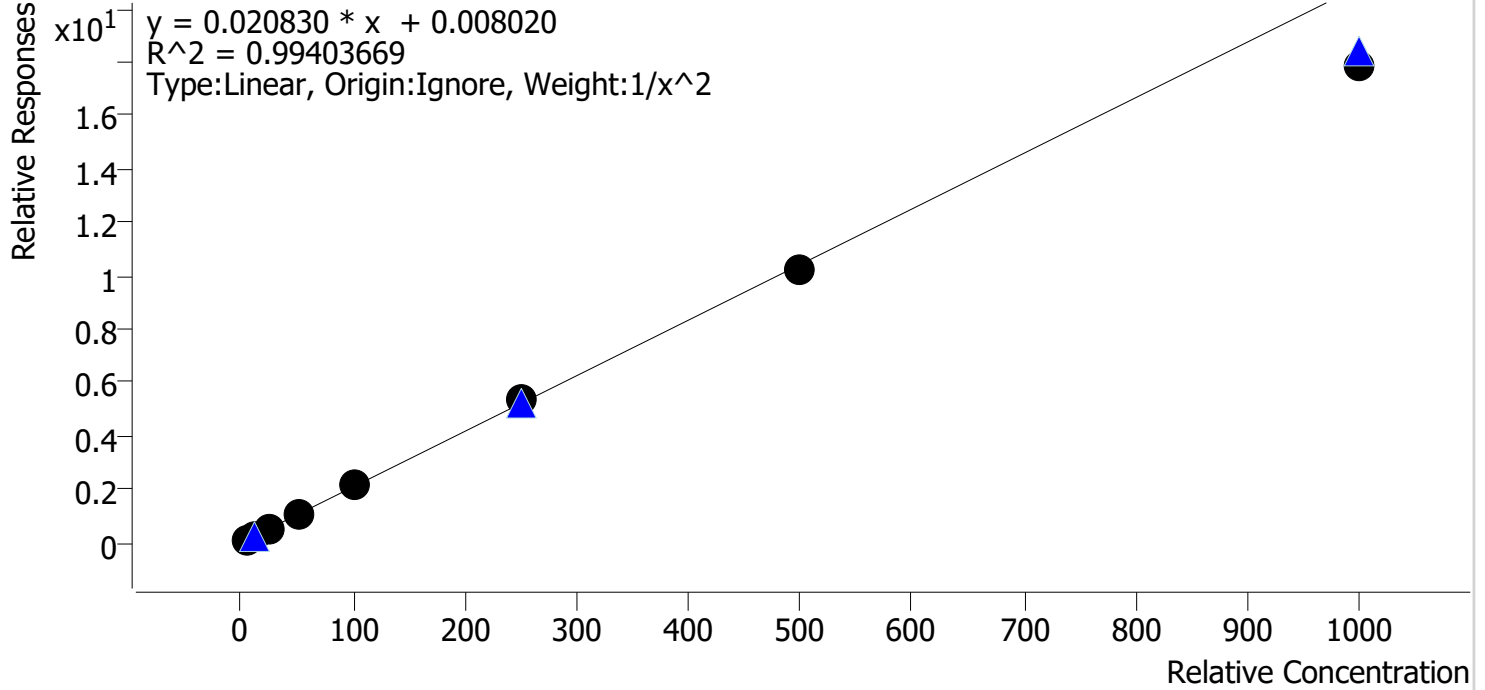
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	252.4	100.9
cal 7 mdq	7	✓	500.0	505.7	101.1
cal 8 mdq	8	✓	1000.0	1062.0	106.2

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

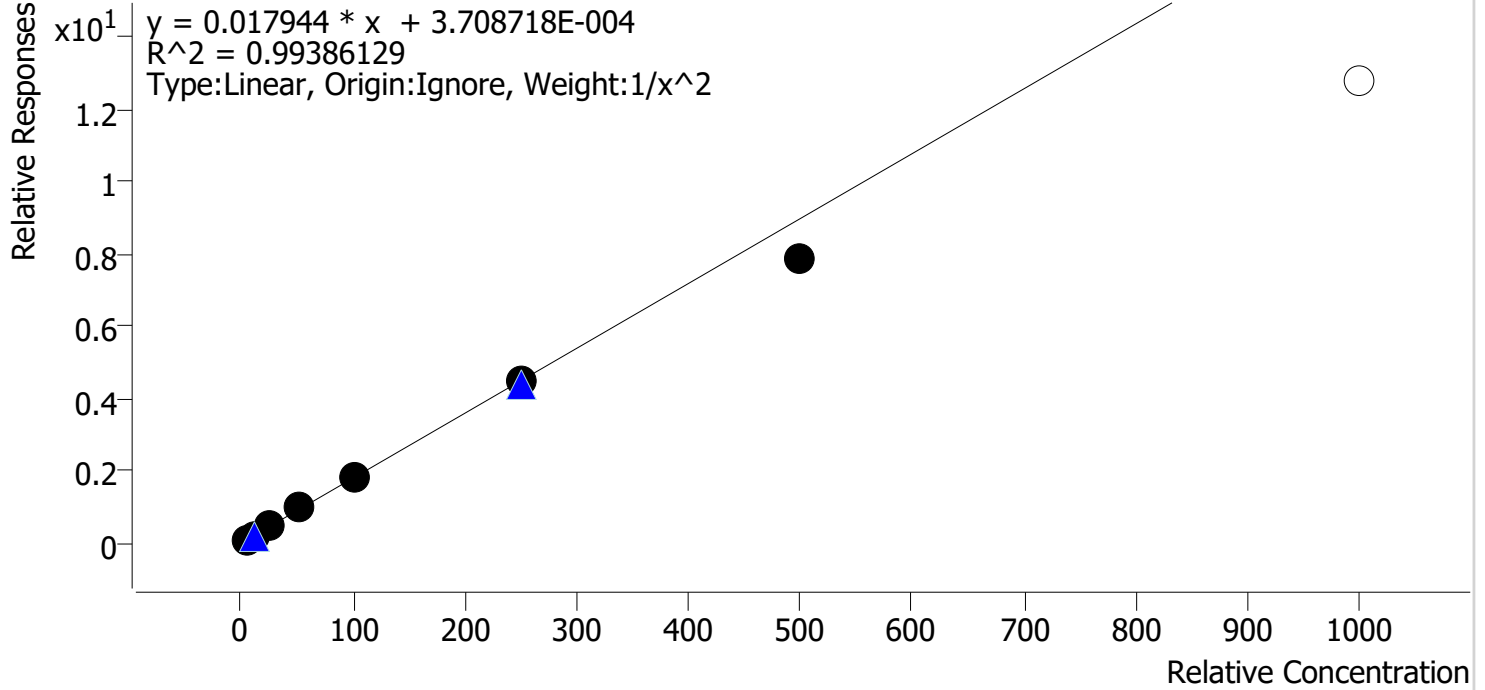


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	259.1	103.6
cal 7 mdq	7	✓	500.0	487.9	97.6
cal 8 mdq	8	✓	1000.0	857.8	85.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



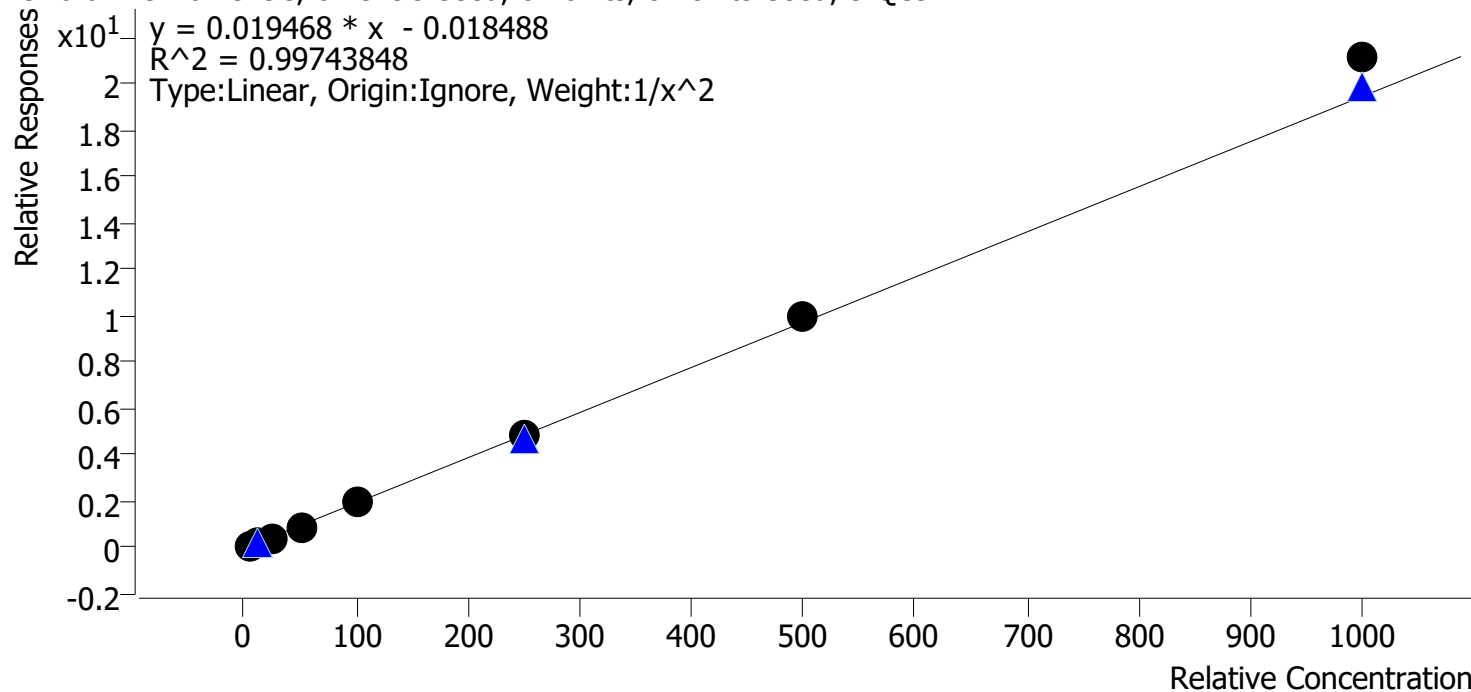
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	53.5	107.1
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	247.2	98.9
cal 7 mdq	7	✓	500.0	436.7	87.3
cal 8 mdq	8	✗	1000.0	713.5	71.4

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



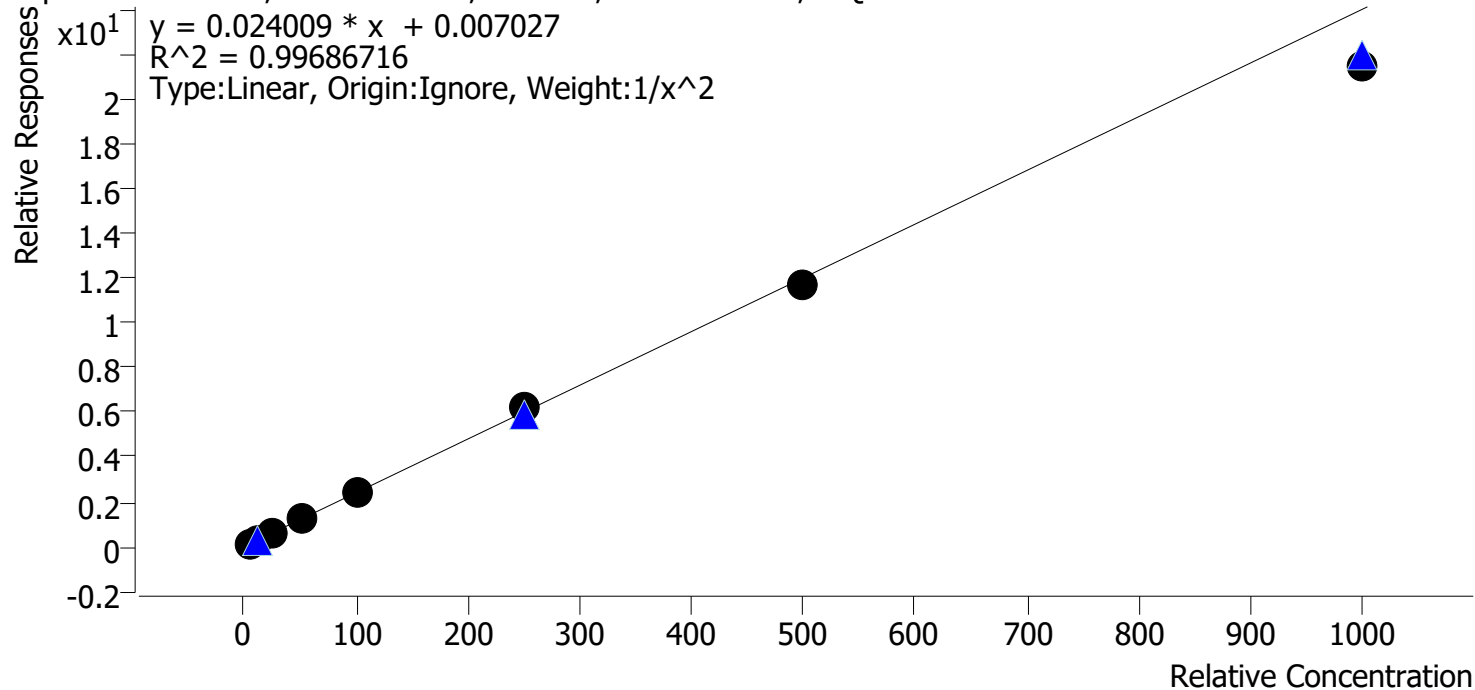
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	508.8	101.8
cal 8 mdq	8	✓	1000.0	1086.2	108.6

Compound Calibration Report

MAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

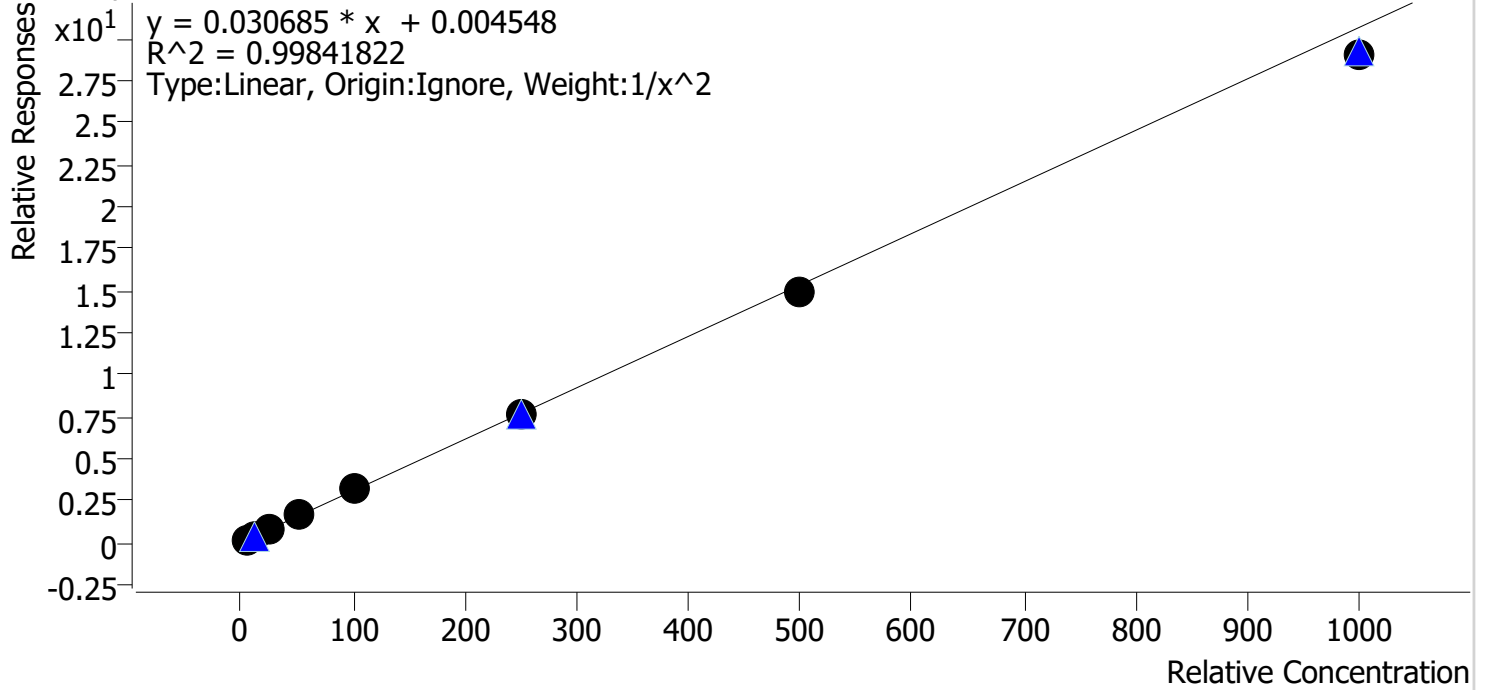


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	488.1	97.6
cal 8 mdq	8	✓	1000.0	897.7	89.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



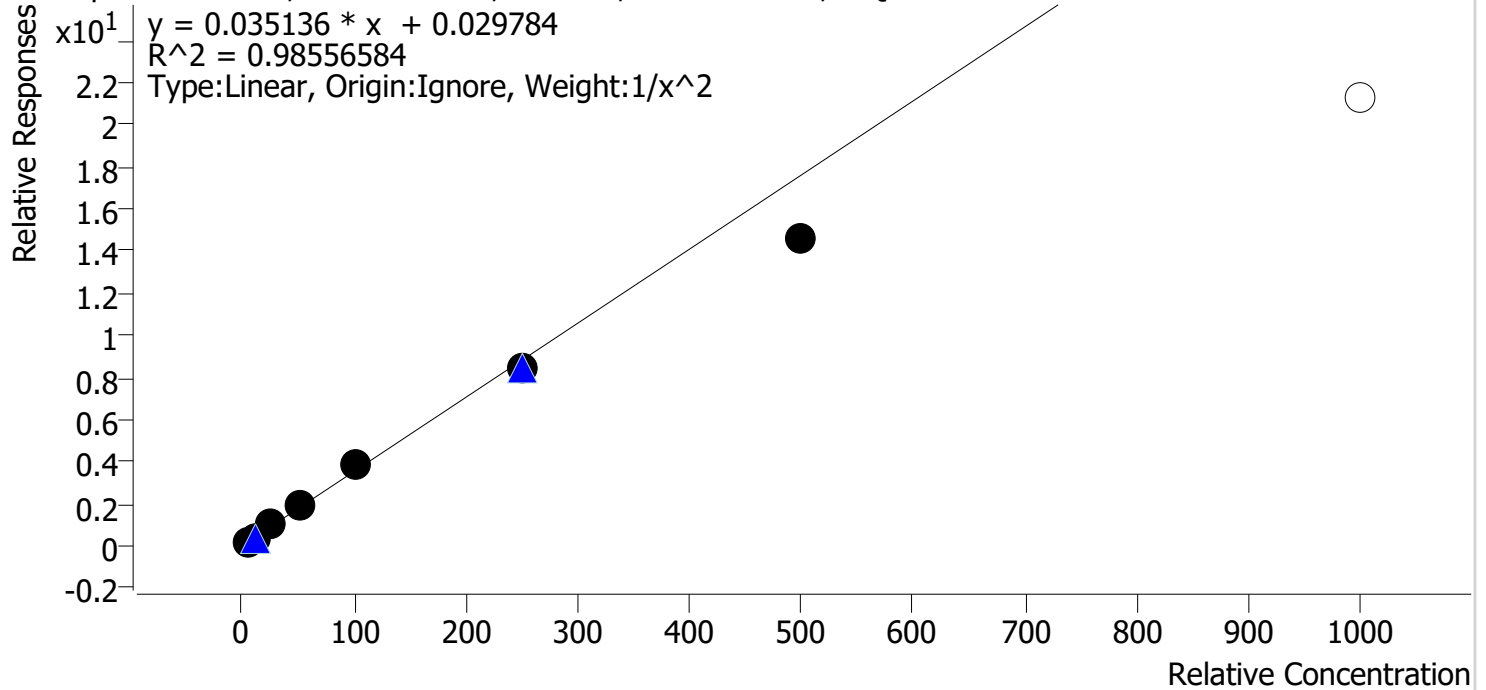
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.3	102.6
cal 3 mdq	3	✓	25.0	26.1	104.2
cal 4 mdq	4	✓	50.0	51.5	103.1
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	485.9	97.2
cal 8 mdq	8	✓	1000.0	943.6	94.4

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-d8

Olanzapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



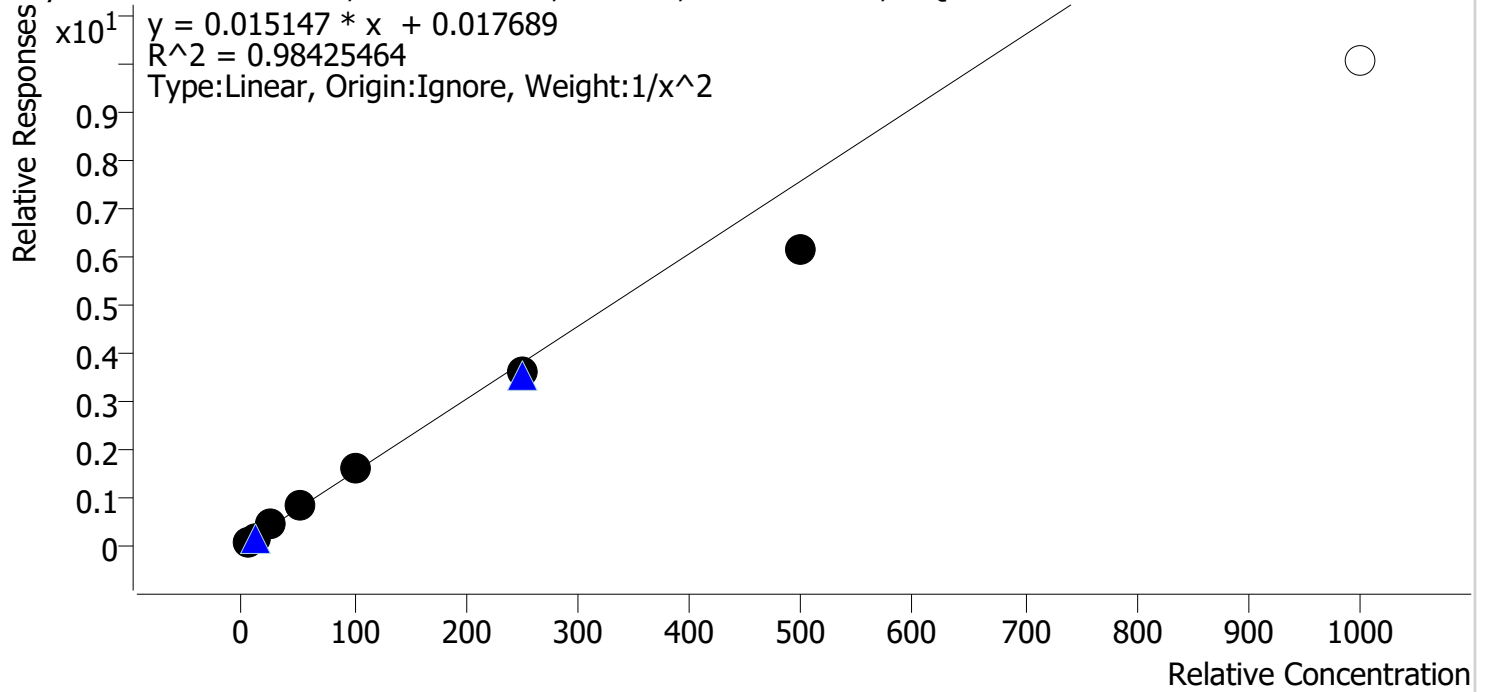
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.3	93.0
cal 3 mdq	3	✓	25.0	27.2	108.7
cal 4 mdq	4	✓	50.0	55.4	110.9
cal 5 mdq	5	✓	100.0	108.2	108.2
cal 6 mdq	6	✓	250.0	240.2	96.1
cal 7 mdq	7	✓	500.0	413.0	82.6
cal 8 mdq	8	✗	1000.0	602.7	60.3

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 3 QCs



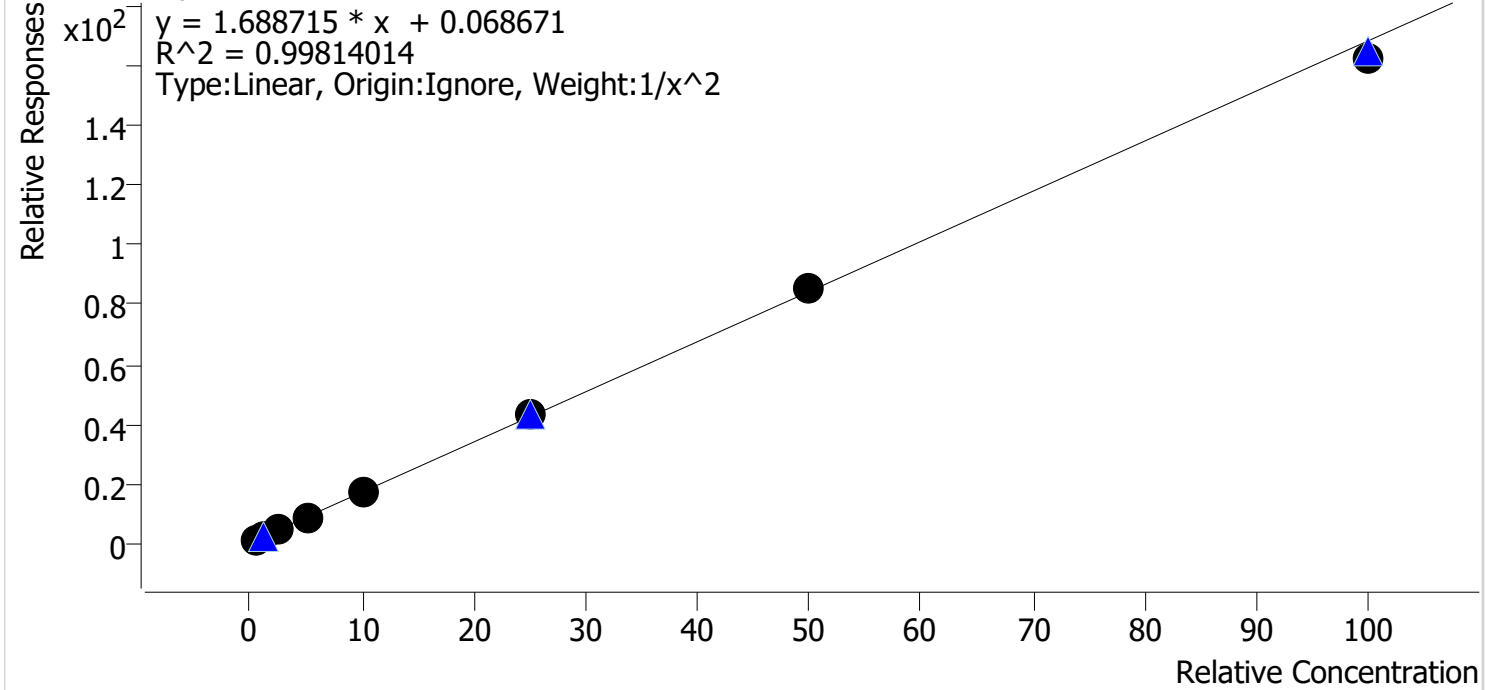
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.5
cal 2 mdq	2	✓	10.0	10.7	106.9
cal 3 mdq	3	✓	25.0	27.8	111.3
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	236.7	94.7
cal 7 mdq	7	✓	500.0	406.3	81.3
cal 8 mdq	8	✗	1000.0	664.4	66.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

Fluorofentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

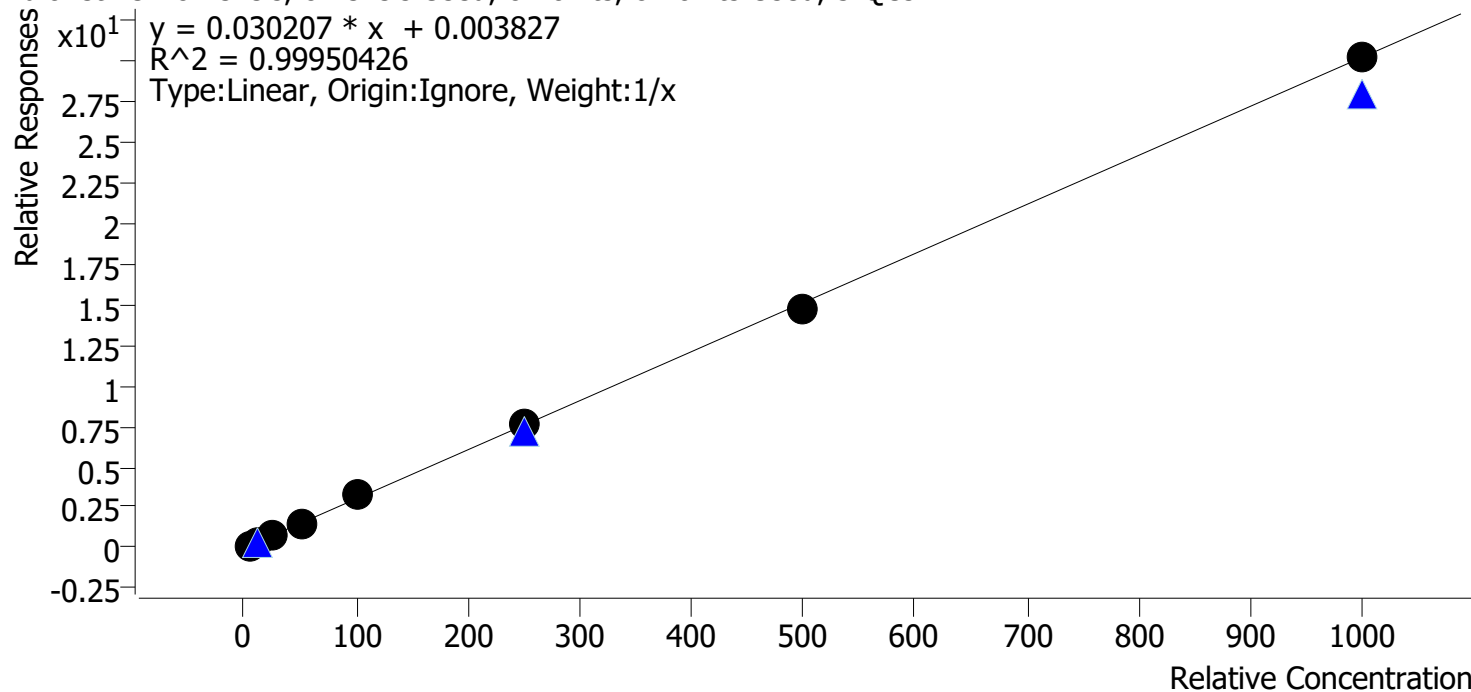


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.6
cal 2 mdq	2	✓	1.0	1.1	105.1
cal 3 mdq	3	✓	2.5	2.3	93.5
cal 4 mdq	4	✓	5.0	5.0	100.6
cal 5 mdq	5	✓	10.0	10.0	100.3
cal 6 mdq	6	✓	25.0	25.9	103.4
cal 7 mdq	7	✓	50.0	51.0	102.0
cal 8 mdq	8	✓	100.0	96.6	96.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-d3

Duloxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



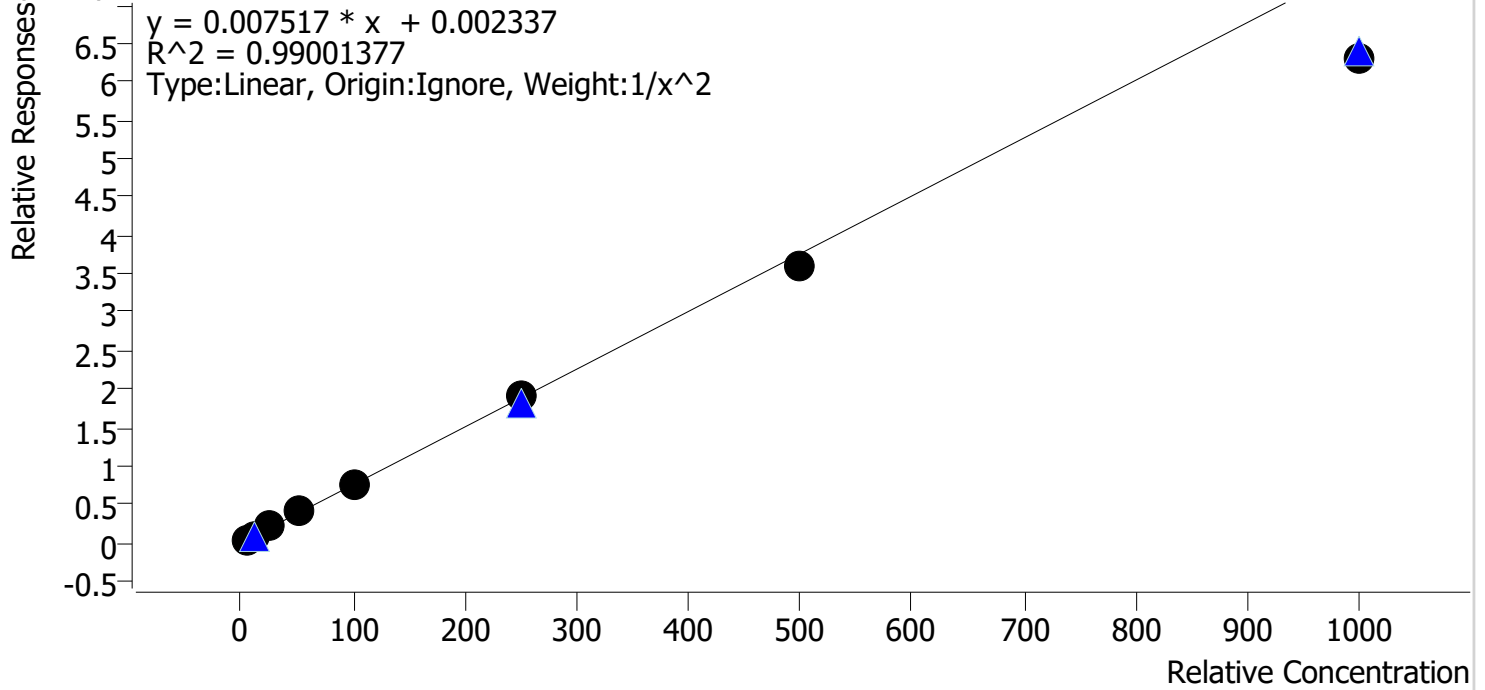
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.4
cal 2 mdq	2	✓	10.0	10.4	104.1
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	51.9	103.9
cal 5 mdq	5	✓	100.0	106.1	106.1
cal 6 mdq	6	✓	250.0	254.5	101.8
cal 7 mdq	7	✓	500.0	488.8	97.8
cal 8 mdq	8	✓	1000.0	999.3	99.9

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Diphenhydramine-D3

Hydroxyzine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs

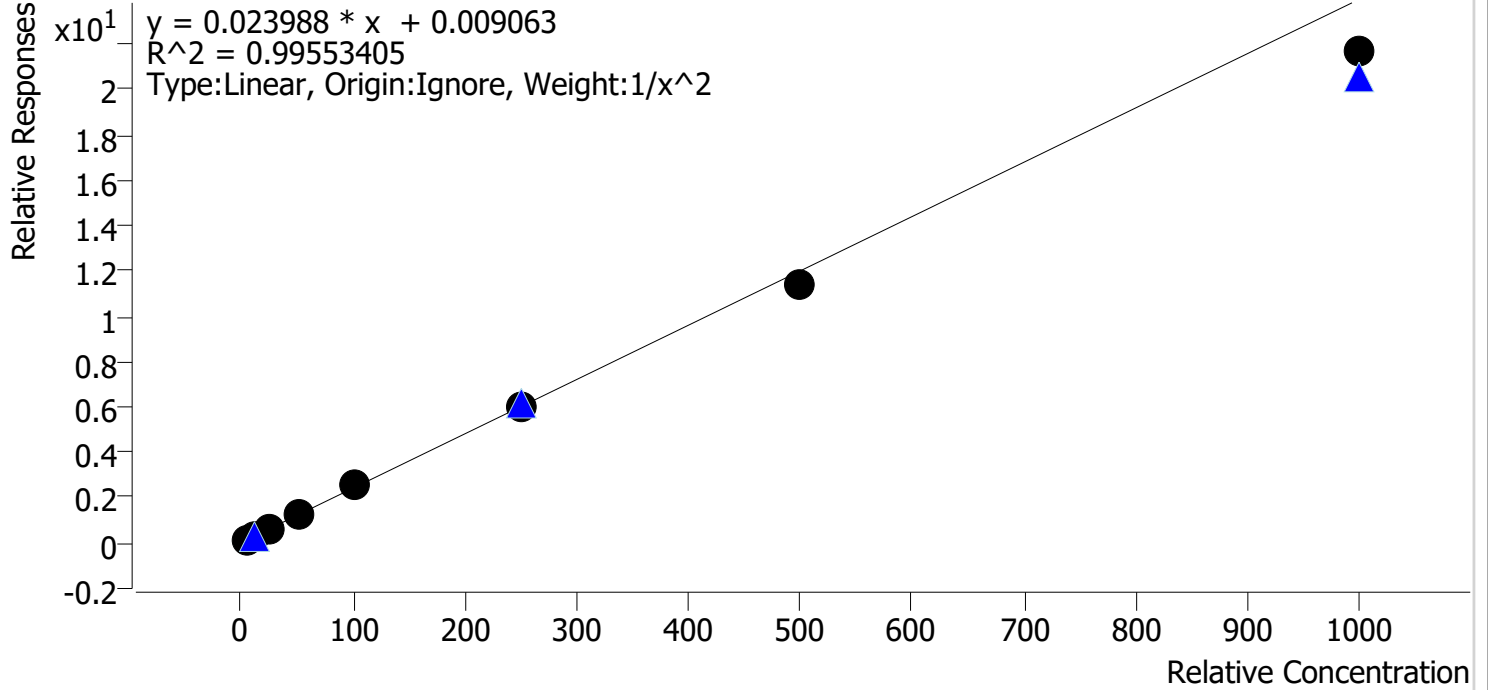


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.3	102.8
cal 3 mdq	3	✓	25.0	28.4	113.6
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	252.8	101.1
cal 7 mdq	7	✓	500.0	478.2	95.6
cal 8 mdq	8	✓	1000.0	841.0	84.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte Bromazepam **Internal Standard** Bromazepam-D5

Bromazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 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	26.3	105.2
cal 4 mdq	4	✓	50.0	53.2	106.3
cal 5 mdq	5	✓	100.0	106.5	106.5
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	471.7	94.3
cal 8 mdq	8	✓	1000.0	903.8	90.4

Compound Calibration Report

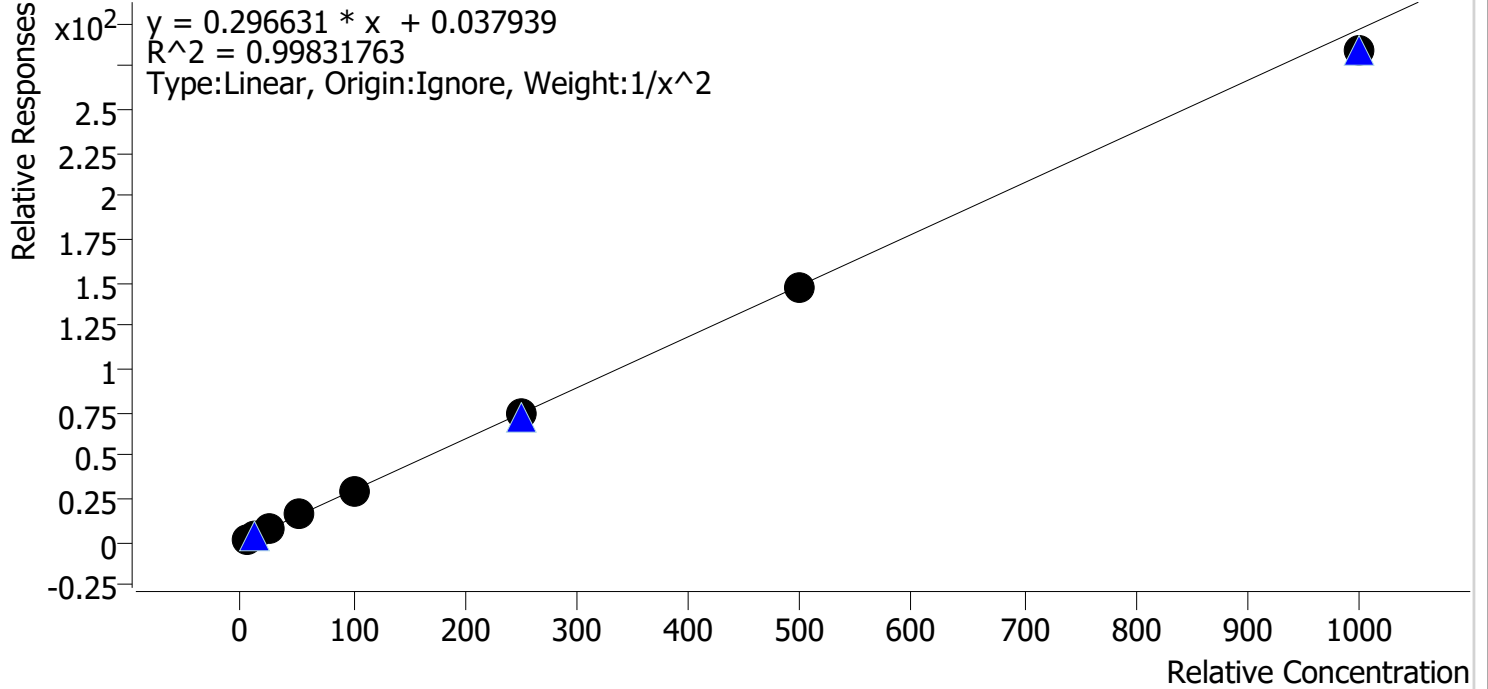
WLB

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Last Cal. Update 5/13/2024 11:55 AM
Analyst Name ISP\datastor
Analyte O-Desmethylvenlafaxine

Internal Standard

O-Desmethylvenlafaxine-d6

O-Desmethylvenlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 3 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.5	105.2
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	246.4	98.6
cal 7 mdq	7	✓	500.0	492.8	98.6
cal 8 mdq	8	✓	1000.0	956.9	95.7

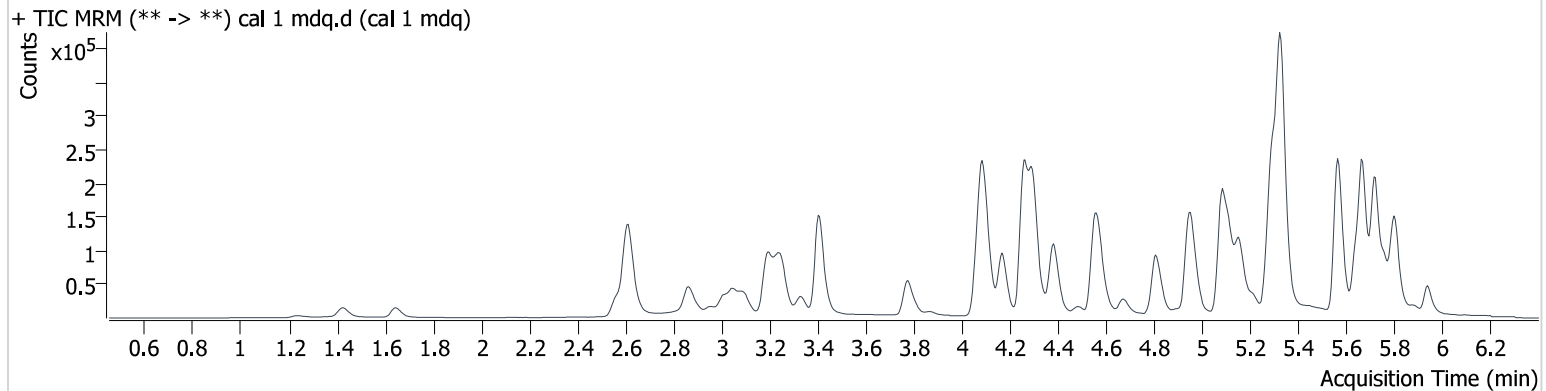
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-A5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:18:14 PM
Sample Info.

Data File cal 1 mdq.d
Sample cal 1 mdq
Operator Mikel Buffaloe
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	3.192	502	1487.0	134.01	4633.1	29659	0.501 ng/ml
7-aminoclonazepam	4.278	5337	∞	122.01	22231.4	65144	4.913 ng/ml
a-hydroxyalprazolam	5.695	950	15165.0	81.42 High	2862.2	10875	5.087 ng/ml
alpha-PHP	4.969	9181	920.0	256.44	4782.7	84601	4.887 ng/ml
alpha-PVP	4.394	26236	∞	61.05	2429.1	236424	5.026 ng/ml
Alprazolam	5.769	11989	1138.5	100.91	794.6	98442	4.978 ng/ml
Amphetamine	3.089	16142	1796.4	264.89	4363.6	84601	4.869 ng/ml
Benzoylecgonine	3.890	784	777.8	41.99	20.1	3757	5.219 ng/ml
Bromazolam	5.809	5970	122.8	89.21	262.4	46880	4.931 ng/ml
Buprenorphine	5.813	1103	40.7	14.98	37.9	31854	0.510 ng/ml
Bupropion	4.825	29994	5006.3	74.93	2321.7	206333	5.064 ng/ml
Carisoprodol	5.719	12338	∞	65.86	277.5	82024	4.819 ng/ml
Citalopram	5.277	24090	2264.4	37.50	28198.0	208558	4.978 ng/ml
Clonazepam	5.617	1449	3696.1	42.76	∞	7511	4.668 ng/ml
Clonazolam	5.553	2407	230.6	32.81	983.7	14391	5.210 ng/ml
Cocaine	4.298	27614	4310.0	42.99	2404.6	392475	5.037 ng/ml
Codeine	2.636	2820	490.5	95.82	516.7	23990	4.853 ng/ml
Cyclobenzaprine	5.645	30708	15065.3	10.16	496.1	202012	4.919 ng/ml
Dextromethorphan	5.311	16077	∞	75.34	119137.4	171334	4.896 ng/ml
Dextrorphan	4.173	19489	190819.8	43.80	∞	205492	4.890 ng/ml
Diazepam	5.946	7915	5086.9	88.83	4612.6	72916	5.017 ng/ml
Dihydrocodeine	2.600	7422	567.6	62.02	876.3	83830	4.677 ng/ml
Diphenhydramine	5.332	83430	180546.1	34.02	33731.1	773484	4.985 ng/ml
Doxylamine	4.576	67497	11602.1	92.82	26853.8	372736	4.887 ng/ml
Duloxetine	5.671	5597	308.8	7.40	56.7	40758	4.420 ng/ml
EDDP	5.294	34517	∞	41.89	∞	312857	5.050 ng/ml
Etizolam	5.809	1464	617.5	375.94	755.5	98442	4.932 ng/ml
Fentanyl	5.132	2894	5444.4	128.36	951.4	237384	0.508 ng/ml
Fluorofentanyl	5.188	2796	1501.6	116.38	41.4	3102	0.493 ng/ml
Fluoxetine	5.727	36841	3306.0	6.37	2363.7	268487	4.920 ng/ml
Hydrocodone	3.076	8814	1393.1	38.44	∞	91519	4.943 ng/ml
Hydromorphone	1.653	5252	3236.1	70.84	∞	35391	4.913 ng/ml
Hydroxyzine	5.725	29508	659.6	103.39	4184.6	773484	4.764 ng/ml

cal 1 mdq

Generated at 12:02 PM on 5/13/2024

AM #28 Multi-Drug Quant. Results

Web

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.082	19138	2825.1	36.69	441.1	170680	4.770 ng/ml
Lamotrigine	4.351	1732	86188.0	110.83	∞	82024	5.923 ng/ml
Lorazepam	5.747	831	262.5	41.33	13.8	13520	4.887 ng/ml
MDA	3.252	20167	2197.7	34.85	467.1	157560	4.764 ng/ml
MDMA	3.338	18753	3514.9	106.31	819.6	35312	4.823 ng/ml
Meprobamate	4.924	2347	428.4	58.72	232.1	16851	4.855 ng/ml
Methadone	5.670	33323	8261.0	70.56	9225.9	357534	5.123 ng/ml
Methamphetamine	3.258	61039	6898.4	35.93	2712.1	237297	4.436 ng/ml
Metoprolol	4.350	7331	33008.6	93.45	∞	208558	5.009 ng/ml
Mirtazapine	4.674	38193	3058.2	51.05	1295.5	321077	5.051 ng/ml
Mitragynine	5.270	9893	34934.7	26.40	∞	23990	5.276 ng/ml
Morphine	1.246	958	87.8	19.79	20.1	2600	4.957 ng/ml
Norbuprenorphine	5.038	211	1328.1	100.23	307.2	6145	0.524 ng/ml
Nordiazepam	5.890	2120	439.5	62.49	954.2	14391	5.104 ng/ml
Norfentanyl	4.113	1677	681.9	26.18	870.9	367171	0.524 ng/ml
Norhydrocodone	3.122	1405	381.6	17.92	∞	24168	5.941 ng/ml
Noroxycodone	2.978	4739	1153.8	53.92	∞	35022	4.987 ng/ml
O-desmethyl-tramadol	3.414	48412	39375.0	7.99	742.8	353956	4.864 ng/ml
O-Desmethylvenlafaxine	4.111	13850	529.0	558.76	2051.3	9423	4.827 ng/ml
Olanzapine	4.559	7087	6295.8	43.49	130.1	34349	5.025 ng/ml
Oxazepam	5.754	1312	183.2	70.00	61.6	13520	5.117 ng/ml
Oxycodone	2.890	14942	620.2	31.44	1193.5	133938	4.906 ng/ml
Oxymorphone	1.430	5762	∞	40.02	∞	48069	5.013 ng/ml
Phentermine	3.812	7202	159.4	11.69	430.9	143465	4.717 ng/ml
Promethazine	5.566	30244	142240.8	41.82	1602.2	377490	5.116 ng/ml
Pseudoephedrine	2.624	49516	4431.0	18.43	6233.6	321077	4.878 ng/ml
Quetiapine	5.579	37121	16410.7	67.38	15176.2	110528	4.956 ng/ml
Sertraline	5.795	10901	2320.3	98.28	4716.7	98745	4.957 ng/ml
Temazepam	5.816	11291	722.6	31.00	28.2	101185	5.111 ng/ml
Tramadol	4.270	49419	∞	4.88	169.6	442116	4.981 ng/ml
Trazodone	5.213	23974	2076.9	134.39	1890.5	271120	4.907 ng/ml
Venlafaxine	5.081	35216	58553.5	37.15	∞	431398	5.143 ng/ml
Xylazine	4.098	3081	100.6	129.90	91.5	134912	4.847 ng/ml
Zolpidem	4.967	48012	52592.2	29.32	843.3	382225	4.939 ng/ml

Web

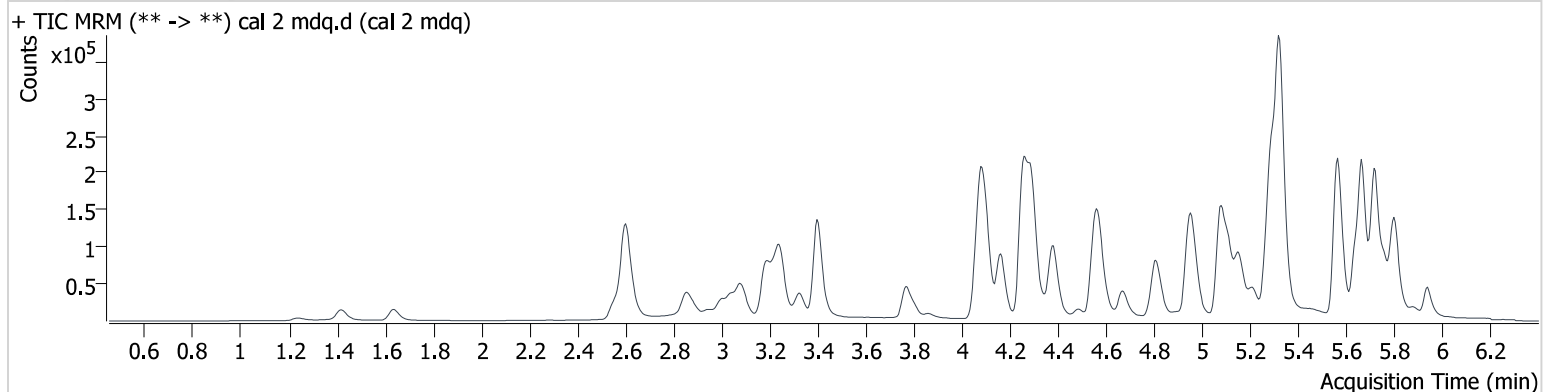
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:27:04 PM
Sample Info.

Data File cal 2 mdq.d
Sample cal 2 mdq
Operator Mikel Buffaloe
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	3.182	841	6047.4	128.16	2581.7	23726	1.021 ng/ml
7-aminoclonazepam	4.273	8466	27935.8	122.40	43780.6	53083	9.934 ng/ml
a-hydroxyalprazolam	5.695	1572	∞	62.57	465.6	8557	9.963 ng/ml
alpha-PHP	4.964	14568	4711.6	249.77	49558.1	69783	10.041 ng/ml
alpha-PVP	4.389	42778	2940.9	59.41	4024.4	188797	9.896 ng/ml
Alprazolam	5.769	20926	31454.3	99.74	5895.0	80485	10.057 ng/ml
Amphetamine	3.084	23909	323.5	276.89	5629.1	69783	10.121 ng/ml
Benzoylecgonine	3.885	1095	905.4	48.23	142.5	3195	9.328 ng/ml
Bromazolam	5.804	9061	800.7	95.45	846.1	36762	9.897 ng/ml
Buprenorphine	5.818	1931	116.8	15.18	71.1	25400	1.003 ng/ml
Bupropion	4.820	46012	13412.7	76.06	1012.3	155048	9.708 ng/ml
Carisoprodol	5.714	19489	43794.2	66.24	556.9	61595	10.432 ng/ml
Citalopram	5.272	38595	5326.1	38.26	46582.3	163583	9.977 ng/ml
Clonazepam	5.607	2950	5279.8	35.04	1171.9	5066	11.664 ng/ml
Clonazolam	5.548	3910	1038.8	42.00	979.0	12050	9.329 ng/ml
Cocaine	4.293	43068	2068.8	44.11	1821.8	312946	9.901 ng/ml
Codeine	2.631	4648	622.9	85.93	1892.9	19711	10.333 ng/ml
Cyclobenzaprine	5.640	52029	28578.1	9.89	1420.1	159773	10.351 ng/ml
Dextromethorphan	5.305	26746	64617.9	76.32	∞	131244	10.470 ng/ml
Dextrorphan	4.163	31768	∞	45.89	70091.2	168208	9.884 ng/ml
Diazepam	5.946	13144	1818.1	84.24	∞	59271	9.978 ng/ml
Dihydrocodeine	2.590	12222	7757.4	64.31	390.7	68060	10.688 ng/ml
Diphenhydramine	5.327	133248	365490.3	35.29	106029.5	602397	9.773 ng/ml
Doxylamine	4.571	103770	958978.4	95.51	609025.8	298335	9.912 ng/ml
Duloxetine	5.665	9874	748.7	7.91	145.6	31010	10.414 ng/ml
EDDP	5.294	55986	23660.4	44.16	106969.5	266577	9.759 ng/ml
Etizolam	5.804	2291	603.7	400.48	3466.1	80485	10.095 ng/ml
Fentanyl	5.127	4524	316.2	124.38	1731.8	190131	0.971 ng/ml
Fluorofentanyl	5.183	4207	298.7	118.07	105.2	2282	1.051 ng/ml
Fluoxetine	5.727	59546	191405.1	6.15	4227.5	211504	10.079 ng/ml
Hydrocodone	3.070	13899	2295.7	41.37	∞	74028	9.868 ng/ml
Hydromorphone	1.643	9259	∞	73.50	1846.6	29463	10.310 ng/ml
Hydroxyzine	5.720	47953	22181.7	100.80	2187.8	602397	10.279 ng/ml

NAB

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.077	29980	2934.1	39.12	2053.0	132792	10.404 ng/ml
Lamotrigine	4.341	2705	5979.1	109.25	∞	61595	10.397 ng/ml
Lorazepam	5.742	1555	481.5	33.18	13.5	11248	9.997 ng/ml
MDA	3.241	32881	3601.9	32.99	2547.2	129557	10.430 ng/ml
MDMA	3.328	30905	140338.3	104.33	5440.0	28201	10.337 ng/ml
Meprobamate	4.913	3751	535.1	52.17	381.9	13098	10.354 ng/ml
Methadone	5.670	51064	5593.9	74.63	∞	278819	9.640 ng/ml
Methamphetamine	3.247	84795	11489.3	34.54	892.3	188249	10.697 ng/ml
Metoprolol	4.345	11428	∞	99.64	∞	163583	9.870 ng/ml
Mirtazapine	4.669	60810	116832.8	53.35	5157.5	253439	9.886 ng/ml
Mitragynine	5.265	15629	42353.6	28.18	10068.7	19711	9.531 ng/ml
Morphine	1.246	1721	379.0	19.92	107.6	2382	10.119 ng/ml
Norbuprenorphine	5.032	288	386.8	92.42	493.8	5010	0.934 ng/ml
Nordiazepam	5.890	3442	699.7	66.13	408.7	12050	9.638 ng/ml
Norfentanyl	4.108	2482	1005.9	29.35	1799.1	303520	0.943 ng/ml
Norhydrocodone	3.117	2031	∞	18.48	∞	18316	10.312 ng/ml
Noroxycodone	2.968	7609	1319.7	55.04	∞	28664	9.753 ng/ml
O-desmethyl-tramadol	3.404	75761	400429.3	7.89	15317.2	274065	10.166 ng/ml
O-Desmethylvenlafaxine	4.106	22768	879.9	546.52	7344.2	7206	10.523 ng/ml
Olanzapine	4.559	11025	812.7	47.03	2699.2	30912	9.303 ng/ml
Oxazepam	5.749	2098	1716.2	73.32	128.6	11248	9.309 ng/ml
Oxycodone	2.885	23933	2051.2	29.85	732.2	106323	10.140 ng/ml
Oxymorphone	1.420	9177	∞	41.50	1606.1	39765	9.808 ng/ml
Phentermine	3.807	11917	583.4	12.55	158.5	114723	10.593 ng/ml
Promethazine	5.566	48499	10113.3	43.09	6260.7	310050	9.571 ng/ml
Pseudoephedrine	2.608	80904	6480.2	19.04	9095.2	253439	10.255 ng/ml
Quetiapine	5.579	57108	1578.1	68.29	2222.8	85663	9.940 ng/ml
Sertraline	5.795	17152	5986.5	87.61	21402.8	73311	10.194 ng/ml
Temazepam	5.811	18258	820.6	31.99	478.6	82136	9.771 ng/ml
Tramadol	4.270	75999	3686.3	4.67	258.8	360726	9.729 ng/ml
Trazodone	5.213	38300	6418.3	133.76	12514.6	213670	9.969 ng/ml
Venlafaxine	5.076	55317	19013.5	36.64	532.3	326089	9.663 ng/ml
Xylazine	4.093	4911	26.1	130.71	4385.5	106778	10.164 ng/ml
Zolpidem	4.967	76696	383554.9	29.39	41694.5	311167	9.973 ng/ml

Web

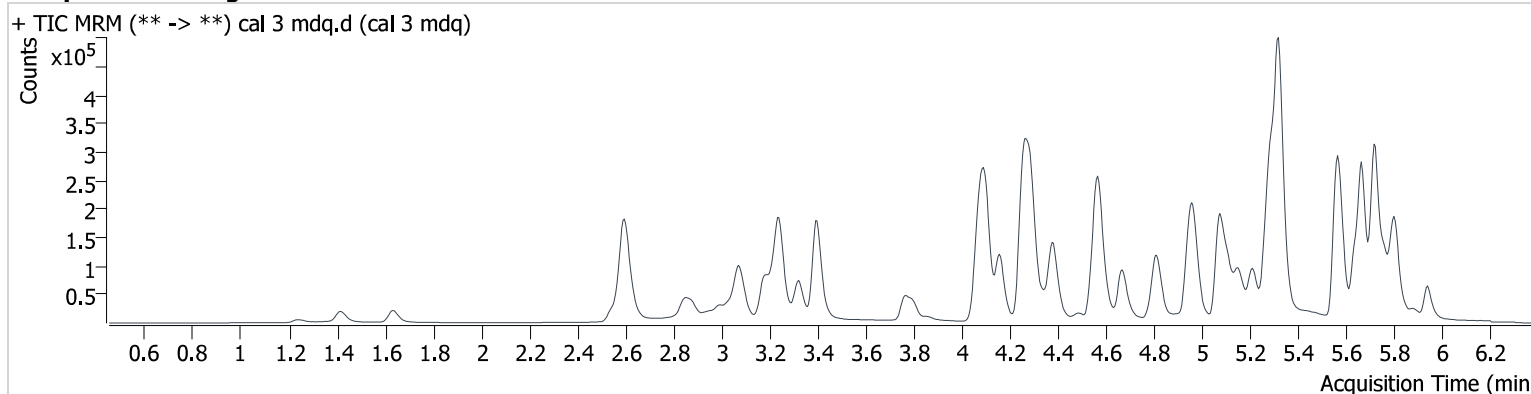
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:35:46 PM
Sample Info.

Data File cal 3 mdq.d
Sample cal 3 mdq
Operator Mikel Buffaloe
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	3.177	1935	15478.8	136.09	9627.2	23530	2.330 ng/ml
7-aminoclonazepam	4.273	20967	65897.4	122.37	∞	50749	26.356 ng/ml
a-hydroxyalprazolam	5.690	3909	∞	64.18	∞	8465	24.041 ng/ml
alpha-PHP	4.959	36711	3874.0	243.68	5996.8	68687	26.788 ng/ml
alpha-PVP	4.384	107792	43158.7	59.04	8501.8	185155	24.874 ng/ml
Alprazolam	5.764	53189	7904.9	95.47	1981.0	80139	24.890 ng/ml
Amphetamine	3.079	57124	518.0	289.92	5080.9	68687	27.039 ng/ml
Benzoylecgonine	3.880	2695	∞	44.23	140.1	2908	27.236 ng/ml
Bromazolam	5.804	22452	1327.5	96.13	1214.1	35072	26.308 ng/ml
Buprenorphine	5.818	4761	363.9	13.93	228.0	25194	2.350 ng/ml
Bupropion	4.815	114733	3485.3	75.72	4733.6	144467	24.966 ng/ml
Carisoprodol	5.714	48687	144013.4	67.55	3091.4	62377	26.126 ng/ml
Citalopram	5.266	97914	35750.6	35.97	126730.4	160382	25.524 ng/ml
Clonazepam	5.607	6898	∞	37.56	4743.8	5550	23.533 ng/ml
Clonazolam	5.548	10015	949.2	41.62	1065.8	11454	23.740 ng/ml
Cocaine	4.288	106412	33417.4	45.86	11777.4	310763	24.710 ng/ml
Codeine	2.621	11270	1548.1	89.01	1823.8	19490	26.204 ng/ml
Cyclobenzaprine	5.640	117770	2794.4	10.30	2009.0	153379	24.184 ng/ml
Dextromethorphan	5.300	64941	166471.9	73.40	163895.6	132965	24.899 ng/ml
Dextrorphan	4.163	78525	743172.1	44.85	86892.1	165533	25.048 ng/ml
Diazepam	5.946	33234	∞	88.77	40729.8	58928	24.975 ng/ml
Dihydrocodeine	2.585	29708	840.3	67.60	1385.3	67665	27.817 ng/ml
Diphenhydramine	5.327	338084	60332.8	33.70	22065.9	558028	26.021 ng/ml
Doxylamine	4.571	269371	3744011.6	93.13	171270.1	295044	26.942 ng/ml
Duloxetine	5.665	21608	296.8	8.45	1303.4	29056	24.492 ng/ml
EDDP	5.289	131545	7481579.8	41.73	93870.1	247647	24.932 ng/ml
Etizolam	5.804	5538	1196.7	388.97	1819.6	80139	25.539 ng/ml
Fentanyl	5.127	11448	1106.5	128.60	1711.9	184180	2.502 ng/ml
Fluorofentanyl	5.178	9784	14059.8	129.45	361.3	2436	2.337 ng/ml
Fluoxetine	5.722	138625	∞	6.27	4766.4	190710	25.999 ng/ml
Hydrocodone	3.060	35093	1609.3	38.61	2479.1	71565	26.163 ng/ml
Hydromorphone	1.638	21420	∞	70.34	∞	27313	25.601 ng/ml
Hydroxyzine	5.720	120396	15779.9	101.08	11670.9	558028	28.392 ng/ml

Web

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.077	74422	23539.4	38.20	686.3	131563	27.255 ng/ml
Lamotrigine	4.336	6368	13686.2	110.52	∞	62377	21.814 ng/ml
Lorazepam	5.742	4058	117.5	33.95	39.7	10464	26.599 ng/ml
MDA	3.236	78056	8199.1	34.18	∞	124892	27.149 ng/ml
MDMA	3.323	78704	131075.0	101.37	4559.9	28420	26.672 ng/ml
Meprobamate	4.913	8787	1706.8	55.29	311.1	12703	25.509 ng/ml
Methadone	5.670	127584	189322789.1	73.30	4991017.4	273557	23.863 ng/ml
Methamphetamine	3.242	185803	45481.3	35.49	8292.0	190552	27.697 ng/ml
Metoprolol	4.345	28892	250484.6	97.76	∞	160382	25.315 ng/ml
Mirtazapine	4.669	154182	10240.3	52.83	7416.8	252296	24.719 ng/ml
Mitragynine	5.260	36901	47529.4	27.98	39966.2	19490	21.838 ng/ml
Morphine	1.246	4031	976.4	20.07	118.2	2336	24.747 ng/ml
Norbuprenorphine	5.032	705	24198.2	108.64	1457.7	5047	2.385 ng/ml
Nordiazepam	5.890	8442	2104.5	63.13	5603.5	11454	24.435 ng/ml
Norfentanyl	4.103	5995	18774.8	30.72	∞	297908	2.331 ng/ml
Norhydrocodone	3.112	5363	572.7	19.39	∞	18821	24.727 ng/ml
Noroxycodone	2.957	19124	∞	52.00	∞	26716	26.244 ng/ml
O-desmethyl-tramadol	3.399	189344	3910459.3	7.89	3142.7	269918	26.301 ng/ml
O-Desmethylvenlafaxine	4.101	57932	1775.0	537.25	56481.8	7557	25.714 ng/ml
Olanzapine	4.559	31781	6144.6	43.42	899.1	32272	27.180 ng/ml
Oxazepam	5.749	5645	909.0	63.25	893.6	10464	25.836 ng/ml
Oxycodone	2.875	58948	∞	29.92	1967.2	104576	25.745 ng/ml
Oxymorphone	1.415	23445	∞	44.22	∞	40149	25.074 ng/ml
Phentermine	3.802	29333	844.4	11.54	271.3	113480	27.519 ng/ml
Promethazine	5.561	123610	362152.3	43.68	214332.8	295670	24.848 ng/ml
Pseudoephedrine	2.603	202852	25004.1	18.29	∞	252296	26.055 ng/ml
Quetiapine	5.574	148538	54478.9	63.87	19436.7	86874	25.658 ng/ml
Sertraline	5.795	39984	3379.1	88.00	5300.7	68980	24.843 ng/ml
Temazepam	5.811	43119	7857.3	32.51	1476.5	77801	23.741 ng/ml
Tramadol	4.264	193367	∞	4.34	∞	350134	26.128 ng/ml
Trazodone	5.208	102542	8272.4	125.29	21348.6	214042	26.678 ng/ml
Venlafaxine	5.076	139954	118690.6	37.20	6781.2	309350	24.189 ng/ml
Xylazine	4.093	11973	90.7	132.86	1606.1	100388	26.995 ng/ml
Zolpidem	4.967	194669	24379.9	30.55	411138.6	309508	25.904 ng/ml

Web

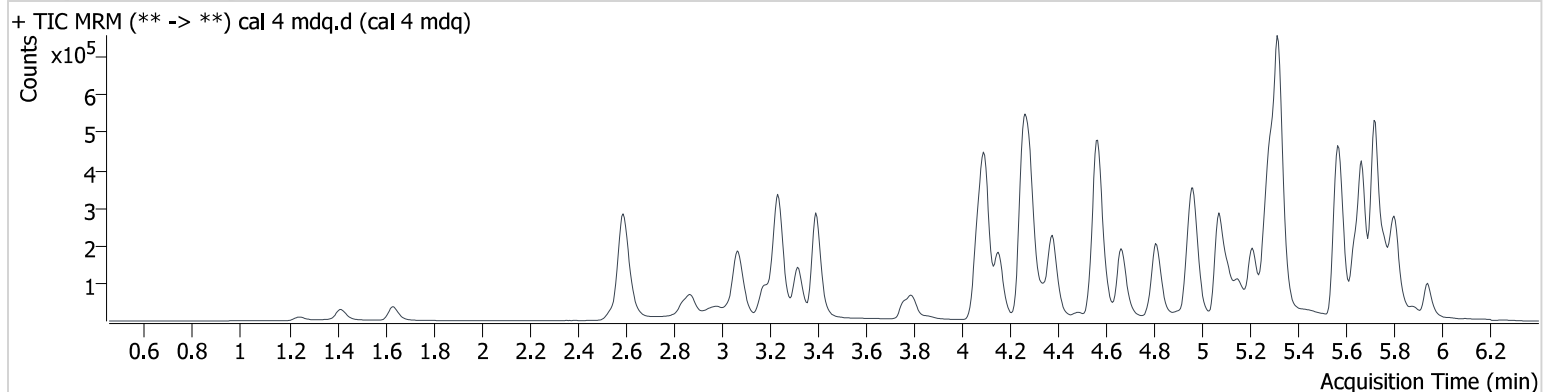
AM #28 Multi-Drug Quant. Results

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Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-D5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:44:28 PM
Sample Info.

Data File cal 4 mdq.d
Sample cal 4 mdq
Operator Mikel Buffaloe
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	3.172	4436	5402.3	133.23	14458.9	25036	4.991 ng/ml
7-aminoclonazepam	4.268	45418	1336377.0	120.49	801735.9	53971	54.088 ng/ml
a-hydroxyalprazolam	5.690	8263	3362.7	62.05	∞	9007	47.117 ng/ml
alpha-PHP	4.959	76058	11210.8	252.06	69101.6	72998	52.880 ng/ml
alpha-PVP	4.384	232538	16116.5	58.77	57453.1	195856	50.361 ng/ml
Alprazolam	5.764	113021	∞	89.50	∞	82638	50.756 ng/ml
Amphetamine	3.074	114814	16279.2	280.11	4616.4	72998	52.681 ng/ml
Benzoylecgonine	3.880	5247	1769.6	35.51	1035.6	3155	49.816 ng/ml
Bromazolam	5.804	45006	1977.2	93.00	∞	35049	53.153 ng/ml
Buprenorphine	5.823	9991	273.7	16.22	195.9	27555	4.420 ng/ml
Bupropion	4.815	247207	41799.2	77.04	13591.2	152798	50.232 ng/ml
Carisoprodol	5.714	96432	306362.8	65.89	∞	60983	53.205 ng/ml
Citalopram	5.266	203135	8047.9	37.77	551381.6	166044	50.962 ng/ml
Clonazepam	5.607	14948	15834.2	37.77	15347.6	6333	43.609 ng/ml
Clonazolam	5.548	21460	3449.6	40.67	2675.6	11631	49.177 ng/ml
Cocaine	4.288	228135	509947.4	45.53	∞	328661	50.144 ng/ml
Codeine	2.621	22392	7825.4	91.12	1866.9	19976	51.356 ng/ml
Cyclobenzaprine	5.640	260850	138123.9	9.96	2840.9	162465	50.391 ng/ml
Dextromethorphan	5.300	135112	348552.9	75.93	960235.2	137857	49.824 ng/ml
Dextrorphan	4.157	166787	651108.1	46.09	234130.0	173853	50.807 ng/ml
Diazepam	5.941	70900	8350.8	84.03	2524.2	62633	49.868 ng/ml
Dihydrocodeine	2.580	60434	532.3	68.36	489.7	71798	54.401 ng/ml
Diphenhydramine	5.321	716376	141988.6	33.86	∞	610175	50.023 ng/ml
Doxylamine	4.566	579206	56918.4	93.76	559819.4	315355	54.776 ng/ml
Duloxetine	5.665	48738	1076.4	8.16	3041.1	30988	51.940 ng/ml
EDDP	5.289	272351	308494.6	42.37	226214.7	251568	50.983 ng/ml
Etizolam	5.804	11673	2047.7	392.61	7563.9	82638	52.957 ng/ml
Fentanyl	5.121	24973	814.3	126.10	92550.3	203476	4.920 ng/ml
Fluorofentanyl	5.178	21601	395.1	125.58	786.2	2524	5.028 ng/ml
Fluoxetine	5.722	291780	266422.8	6.17	∞	201676	51.732 ng/ml
Hydrocodone	3.060	75413	∞	38.75	2484.8	76190	53.058 ng/ml
Hydromorphone	1.638	46622	∞	73.73	∞	32124	47.306 ng/ml
Hydroxyzine	5.720	245948	38110.1	103.27	120819.0	610175	53.312 ng/ml

AM #28 Multi-Drug Quant. Results

Web

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.072	156645	59111.0	37.94	1550.6	141270	54.183 ng/ml
Lamotrigine	4.331	14180	∞	104.47	25623.6	60983	47.416 ng/ml
Lorazepam	5.742	8330	526.7	34.68	84.5	10646	52.855 ng/ml
MDA	3.231	155943	16233.2	33.50	1384.2	127788	53.963 ng/ml
MDMA	3.318	165075	695875.3	104.31	18724.0	30694	52.139 ng/ml
Meprobamate	4.908	20200	4969.5	52.91	1898.5	14181	52.904 ng/ml
Methadone	5.664	282781	19587.9	71.24	∞	280751	51.020 ng/ml
Methamphetamine	3.242	376077	∞	35.33	12745.6	197996	57.650 ng/ml
Metoprolol	4.340	61143	177869.8	96.54	∞	166044	51.656 ng/ml
Mirtazapine	4.664	329779	51050.5	52.40	16873.6	268548	49.371 ng/ml
Mitragynine	5.260	81826	142762.6	28.38	36370.7	19976	46.473 ng/ml
Morphine	1.246	9130	1929.4	19.85	238.4	2568	51.414 ng/ml
Norbuprenorphine	5.027	1430	27248.1	110.74	9002.9	5521	4.489 ng/ml
Nordiazepam	5.890	17850	4224.3	59.20	2813.0	11631	50.581 ng/ml
Norfentanyl	4.103	12531	1864.1	30.05	∞	305750	4.753 ng/ml
Norhydrocodone	3.107	11920	∞	21.50	2616.2	21552	46.936 ng/ml
Noroxycodone	2.952	41102	∞	54.31	∞	28678	52.514 ng/ml
O-desmethyl-tramadol	3.399	415830	500096.6	7.54	2903.6	291672	53.792 ng/ml
O-Desmethylvenlafaxine	4.096	121363	2761.1	543.72	31886.5	7845	52.025 ng/ml
Olanzapine	4.559	77472	2591.6	43.09	642.6	39176	55.435 ng/ml
Oxazepam	5.749	11393	∞	61.84	1935.9	10646	50.681 ng/ml
Oxycodone	2.870	127555	4179.3	29.60	17869.3	111725	52.386 ng/ml
Oxymorphone	1.415	50128	∞	43.70	∞	41284	52.318 ng/ml
Phentermine	3.797	61232	1690.4	11.13	243.7	122411	53.981 ng/ml
Promethazine	5.561	266137	557609.7	43.27	37940.9	313912	49.941 ng/ml
Pseudoephedrine	2.598	425900	23716.0	18.50	∞	268548	51.537 ng/ml
Quetiapine	5.574	317185	80413.4	63.75	122196.8	89379	53.367 ng/ml
Sertraline	5.790	81188	14119.4	93.35	9238.5	68450	50.543 ng/ml
Temazepam	5.811	90272	5372.1	31.30	663.0	76287	50.217 ng/ml
Tramadol	4.259	422229	23388.4	4.18	3869.5	381829	52.702 ng/ml
Trazodone	5.208	219331	4700.8	126.31	5481.1	228182	53.547 ng/ml
Venlafaxine	5.071	302683	273387.5	37.94	13071.5	333990	47.501 ng/ml
Xylazine	4.088	24751	18.5	134.73	898.0	106925	52.768 ng/ml
Zolpidem	4.967	416705	53898.8	29.81	207131.1	328199	52.590 ng/ml

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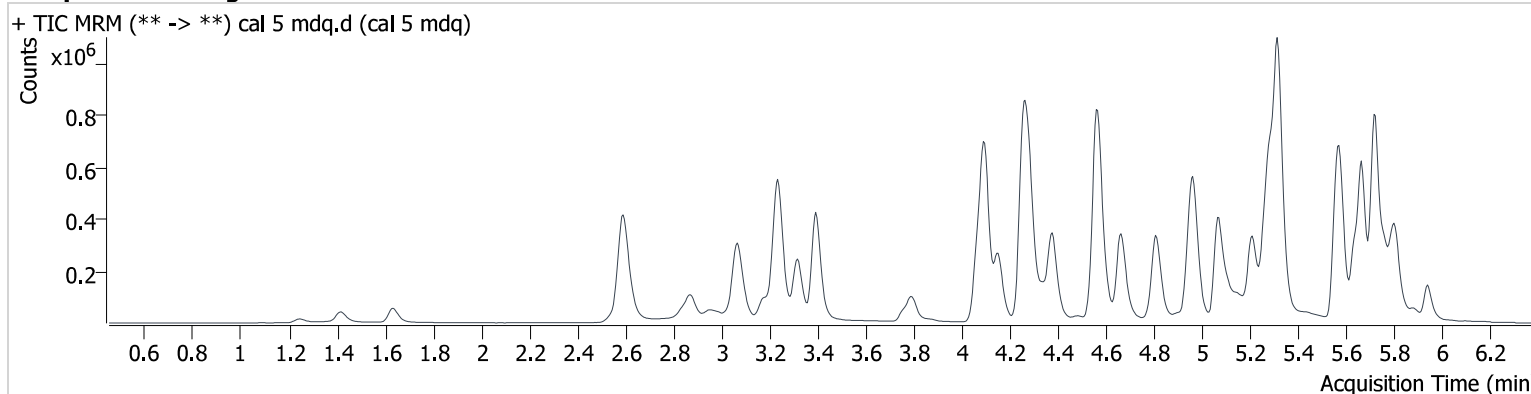
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\050624\QuantResults\mdq.batch.bin
Calibration Last Update 5/13/2024 11:55:35 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-E5
Injection Volume 2
Acq. Date-Time 5/6/2024 12:53:10 PM
Sample Info.

Data File cal 5 mdq.d
Sample cal 5 mdq
Operator Mikel Buffaloe
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	3.172	8174	23418.6	129.91	11365.3	22727	10.103 ng/ml
7-aminoclonazepam	4.263	79221	1029501.2	113.63	∞	47375	107.866 ng/ml
a-hydroxyalprazolam	5.690	13804	681.7	62.66	3375.5	7729	91.095 ng/ml
alpha-PHP	4.954	135967	20072.2	251.40	25087.0	66095	105.080 ng/ml
alpha-PVP	4.378	428310	89688.5	58.98	7957.0	180547	100.273 ng/ml
Alprazolam	5.764	201176	4849.6	89.98	10785.0	72445	102.538 ng/ml
Amphetamine	3.069	200085	10052.8	270.68	51405.3	66095	102.995 ng/ml
Benzoylcegonine	3.874	8771	19678.7	43.16	346.7	2863	92.771 ng/ml
Bromazolam	5.804	78758	1948.2	97.47	1381.7	30732	106.456 ng/ml
Buprenorphine	5.823	18194	405.4	15.52	131.9	22103	9.911 ng/ml
Bupropion	4.809	460100	17586.7	76.80	27828.6	138044	102.844 ng/ml
Carisoprodol	5.709	164262	237272.7	63.98	∞	54334	101.962 ng/ml
Citalopram	5.261	361938	41309.3	38.25	∞	150737	99.847 ng/ml
Clonazepam	5.607	28004	∞	32.79	13460.9	4413	115.214 ng/ml
Clonazolam	5.548	40854	3667.5	38.29	4036.1	10414	103.634 ng/ml
Cocaine	4.283	414599	14540.3	43.85	∞	301518	99.382 ng/ml
Codeine	2.616	37937	9227.0	91.81	11585.0	17333	100.845 ng/ml
Cyclobenzaprine	5.640	477013	192882.7	9.53	6475.9	135664	110.158 ng/ml
Dextromethorphan	5.295	238320	∞	77.22	∞	126675	95.513 ng/ml
Dextrorphan	4.152	302779	1705696.3	46.38	∞	162009	99.116 ng/ml
Diazepam	5.941	122891	11513.0	87.72	2991.0	55050	98.088 ng/ml
Dihydrocodeine	2.575	106497	1419.6	68.86	2079.3	67128	103.568 ng/ml
Diphenhydramine	5.321	1301704	228289.6	33.02	38199.8	570665	96.784 ng/ml
Doxylamine	4.566	1065765	318050.1	93.39	1380227.7	300120	106.438 ng/ml
Duloxetine	5.665	82802	713.2	8.36	485.5	25796	106.133 ng/ml
EDDP	5.284	487500	∞	43.25	∞	226937	101.324 ng/ml
Etizolam	5.804	18976	8198.4	398.82	22162.7	72445	98.819 ng/ml
Fentanyl	5.121	45564	13732.4	131.56	4471.3	182832	9.969 ng/ml
Fluorofentanyl	5.178	41955	7195.1	118.18	443.8	2468	10.026 ng/ml
Fluoxetine	5.722	483898	24988.3	6.38	192796.8	169284	102.196 ng/ml
Hydrocodone	3.055	141398	∞	38.66	∞	70919	107.122 ng/ml
Hydromorphone	1.633	86248	∞	72.94	∞	26847	104.610 ng/ml
Hydroxyzine	5.720	434055	39056.9	105.06	74221.0	570665	100.877 ng/ml

AM #28 Multi-Drug Quant. Results

Web

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.072	271825	23452.7	38.75	9774.1	128648	103.963 ng/ml
Lamotrigine	4.326	25718	∞	101.16	43008.4	54334	94.675 ng/ml
Lorazepam	5.742	14821	2198.7	37.62	405.0	8766	113.287 ng/ml
MDA	3.226	266596	167505.9	33.40	5573.8	111241	106.940 ng/ml
MDMA	3.318	307162	1256957.0	101.57	21248.5	28978	103.112 ng/ml
Meprobamate	4.903	35988	6014.0	55.88	3769.0	13028	102.922 ng/ml
Methadone	5.664	518304	∞	71.80	∞	262118	99.735 ng/ml
Methamphetamine	3.237	670841	28750.0	35.91	120964.9	193615	108.376 ng/ml
Metoprolol	4.340	106555	∞	98.89	3925.9	150737	99.084 ng/ml
Mirtazapine	4.664	594656	151253.9	51.60	51172.0	243250	97.990 ng/ml
Mitragynine	5.260	148238	228999.6	29.05	124432.3	17333	96.309 ng/ml
Morphine	1.246	15272	1848.7	19.91	986.7	2108	105.205 ng/ml
Norbuprenorphine	5.022	2927	3983.5	101.42	4448.7	4795	10.683 ng/ml
Nordiazepam	5.885	31617	9872.7	61.58	2570.4	10414	99.797 ng/ml
Norfentanyl	4.103	21465	4615.1	28.61	11742.4	261362	9.532 ng/ml
Norhydrocodone	3.102	22851	∞	22.38	∞	20716	92.487 ng/ml
Noroxycodone	2.952	71798	∞	54.14	∞	26131	100.644 ng/ml
O-desmethyl-tramadol	3.394	774791	622809.9	7.53	84060.0	281289	104.232 ng/ml
O-Desmethylvenlafaxine	4.096	214277	2931.2	549.45	∞	7325	98.486 ng/ml
Olanzapine	4.554	157217	2612.2	44.19	66632.8	41037	108.189 ng/ml
Oxazepam	5.749	20238	2124.9	68.95	4420.6	8766	108.675 ng/ml
Oxycodone	2.870	232140	21417.0	29.23	∞	103845	102.800 ng/ml
Oxymorphone	1.415	87095	∞	43.26	∞	36261	103.658 ng/ml
Phentermine	3.797	108247	1161.2	10.58	1048.8	114274	102.919 ng/ml
Promethazine	5.561	476162	851088.7	43.13	18424.3	282427	98.881 ng/ml
Pseudoephedrine	2.593	761267	25187.0	18.51	370795.7	243250	101.843 ng/ml
Quetiapine	5.574	550551	84683.1	65.26	638332.5	81103	102.179 ng/ml
Sertraline	5.790	130757	9981.9	97.32	53714.6	56761	97.903 ng/ml
Temazepam	5.811	147326	38845.3	31.64	1920.5	64609	96.383 ng/ml
Tramadol	4.259	766988	∞	4.23	488.0	345531	106.179 ng/ml
Trazodone	5.208	392394	30162.3	131.17	62792.2	214044	102.145 ng/ml
Venlafaxine	5.066	569790	735563.0	36.44	17444.0	300819	98.245 ng/ml
Xylazine	4.088	45193	894.3	132.04	1029.4	99372	104.058 ng/ml
Zolpidem	4.967	764903	107099.3	29.55	6903210.7	309737	102.565 ng/ml

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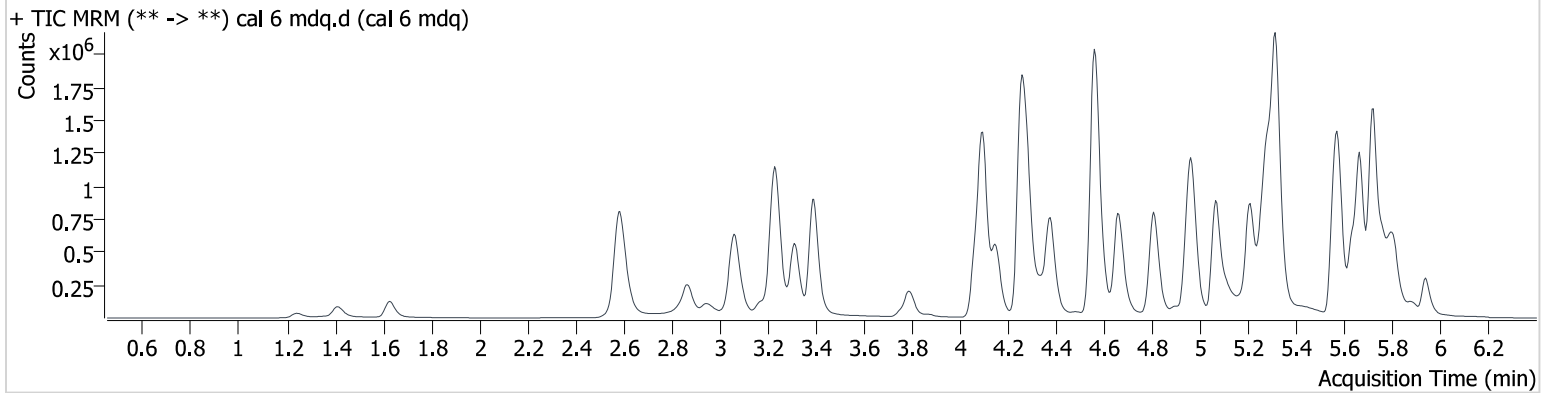
AM #28 Multi-Drug Quant. Results

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Sample Position P2-F5
Injection Volume 2
Acq. Date-Time 5/6/2024 1:01:50 PM
Sample Info.

Data File cal 6 mdq.d
Sample cal 6 mdq
Operator Mikel Buffaloe
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	3.166	21311	12772.5	126.10	22927.0	23361	25.583 ng/ml
7-aminoclonazepam	4.263	156102	17800.6	111.52	∞	41941	240.566 ng/ml
a-hydroxyalprazolam	5.685	34212	2370361701 9028.3	60.22	∞	6478	268.098 ng/ml
alpha-PHP	4.954	326688	39386.6	253.24	216821.3	69293	241.722 ng/ml
alpha-PVP	4.378	1093134	30817.2	58.10	59508.4	183888	250.739 ng/ml
Alprazolam	5.764	462453	∞	88.34	∞	69018	246.701 ng/ml
Amphetamine	3.069	428577	31733.0	265.41	5225.5	69293	212.240 ng/ml
Benzoylcegonine	3.874	25177	2620.4	41.02	1366.3	3060	251.097 ng/ml
Bromazolam	5.804	156209	∞	97.31	1657.8	26088	249.237 ng/ml
Buprenorphine	5.823	46217	6243.3	13.55	231.1	19027	29.059 ng/ml
Bupropion	4.809	1205079	181066.9	75.15	68098.6	145105	255.355 ng/ml
Carisoprodol	5.709	322603	689798.1	64.85	5714.3	45957	237.102 ng/ml
Citalopram	5.261	804204	113631.3	38.90	∞	135715	246.141 ng/ml
Clonazepam	5.602	72492	4948.3	31.86	83196.5	4969	263.343 ng/ml
Clonazolam	5.543	101566	23794.9	35.92	27537.0	9918	269.197 ng/ml
Cocaine	4.283	1012281	118387.2	44.46	48280.7	298251	245.384 ng/ml
Codeine	2.611	80492	15044.9	92.50	26152.9	14565	255.528 ng/ml
Cyclobenzaprine	5.635	1072356	261363.0	10.15	25344.1	136437	246.038 ng/ml
Dextromethorphan	5.295	561140	841172.3	74.48	608924.6	111503	255.260 ng/ml
Dextrorphan	4.152	755768	1345647.0	45.43	2212565.4	156704	256.013 ng/ml
Diazepam	5.941	296963	∞	86.22	4897.5	55893	233.094 ng/ml
Dihydrocodeine	2.565	245321	450.8	66.83	875.7	68081	236.720 ng/ml
Diphenhydramine	5.321	3124265	924545.1	31.81	177753.8	525899	251.380 ng/ml
Doxylamine	4.560	2712194	322088.8	94.76	∞	328814	247.984 ng/ml
Duloxetine	5.660	167510	622.7	7.93	4326.9	21780	254.481 ng/ml
EDDP	5.284	1165827	310614.5	42.98	2654435.6	218483	251.927 ng/ml
Etizolam	5.804	44105	10647.6	380.58	23183.5	69018	242.112 ng/ml
Fentanyl	5.116	122625	12568.1	129.26	6713.1	191866	25.532 ng/ml
Fluorofentanyl	5.172	110681	142759.3	116.17	6192.5	2531	25.855 ng/ml
Fluoxetine	5.722	993719	129446.8	6.56	361778.8	143592	247.394 ng/ml
Hydrocodone	3.050	341466	∞	41.24	∞	73701	249.249 ng/ml
Hydromorphone	1.628	216351	∞	72.63	∞	27356	257.407 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Hydroxyzine	5.720	1000570	86179.2	101.94	109263.4	525899	252.799	ng/ml
Ketamine	4.067	624906	213253.2	39.02	42855.1	129951	237.614	ng/ml
Lamotrigine	4.326	55655	359127.9	101.09	225253.3	45957	239.454	ng/ml
Lorazepam	5.742	31805	1604.7	37.74	442.7	9016	235.493	ng/ml
MDA	3.221	544668	45403.0	31.46	6087.8	103776	235.391	ng/ml
MDMA	3.313	758220	2471554.5	100.56	116762.1	29277	252.447	ng/ml
Meprobamate	4.903	96376	4789.4	52.05	4105.2	13845	259.901	ng/ml
Methadone	5.664	1330026	2066616.0	66.22	1166561.3	263628	253.777	ng/ml
Methamphetamine	3.237	1555116	77228.1	37.67	47512.4	205828	240.929	ng/ml
Metoprolol	4.340	236025	887508.5	98.44	∞	135715	243.644	ng/ml
Mirtazapine	4.659	1434652	52775.7	51.50	5992.8	232312	247.087	ng/ml
Mitragynine	5.255	343951	348388.9	30.66	2366576.2	14565	264.757	ng/ml
Morphine	1.241	37741	6798.6	20.33	1098.3	2203	249.348	ng/ml
Norbuprenorphine	5.022	7176	∞	101.14	27274.3	4871	25.904	ng/ml
Nordiazepam	5.890	78681	∞	63.78	7585.4	9918	260.329	ng/ml
Norfentanyl	4.103	45520	4141.0	28.76	80132.5	211289	25.015	ng/ml
Norhydrocodone	3.102	59526	∞	23.22	∞	21588	229.509	ng/ml
Noroxycodone	2.947	181121	∞	52.20	∞	26127	253.881	ng/ml
O-desmethyl-tramadol	3.394	1976883	595934.5	7.35	23388.0	303790	246.697	ng/ml
O-Desmethylvenlafaxine	4.096	494168	1058.9	538.80	109622.7	6756	246.450	ng/ml
Olanzapine	4.554	437577	2152.8	45.06	1249.1	51664	240.210	ng/ml
Oxazepam	5.749	45170	574.4	69.83	8236.1	9016	235.153	ng/ml
Oxycodone	2.865	595942	∞	29.90	∞	107905	254.320	ng/ml
Oxymorphone	1.410	214129	∞	43.01	∞	35875	257.840	ng/ml
Phentermine	3.791	255304	3359.5	9.68	4521.8	118560	234.955	ng/ml
Promethazine	5.561	1166526	2560228.9	41.15	10651715.7	273810	249.200	ng/ml
Pseudoephedrine	2.588	1769338	44662.9	18.18	∞	232312	248.061	ng/ml
Quetiapine	5.574	1267232	12264755.9	65.01	100090.4	75807	251.774	ng/ml
Sertraline	5.790	253059	27178.0	95.92	33334.7	42625	251.875	ng/ml
Temazepam	5.811	289096	∞	31.60	11100.4	48293	252.355	ng/ml
Tramadol	4.259	1877426	∞	4.11	1887.0	347390	259.066	ng/ml
Trazodone	5.208	1007038	112467.9	133.13	622787.1	227041	247.166	ng/ml
Venlafaxine	5.066	1505271	40168.0	36.18	63058.5	310048	250.333	ng/ml
Xylazine	4.083	111170	504.7	134.63	4444.7	102116	249.650	ng/ml
Zolpidem	4.967	1851666	706981.5	29.87	∞	299971	256.811	ng/ml

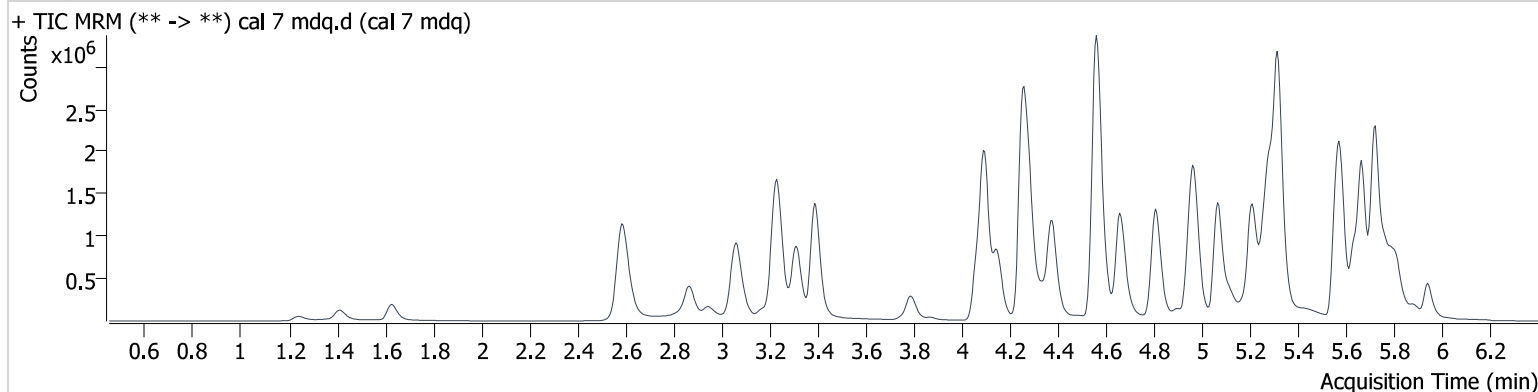
AM #28 Multi-Drug Quant. Results

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Injection Volume 2
Acq. Date-Time 5/6/2024 1:10:32 PM
Sample Info.

Data File cal 7 mdq.d
Sample cal 7 mdq
Operator Mikel Buffaloe
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	3.166	36268	33276.8	128.64	30415.2	20314	50.044	ng/ml
7-aminoclonazepam	4.263	206481	27727.7	111.36	30255.6	31533	423.526	ng/ml
a-hydroxyalprazolam	5.690	50901	∞	59.40	∞	4696	549.553	ng/ml
alpha-PHP	4.948	501764	6527.7	261.69	15257.2	59091	435.912	ng/ml
alpha-PVP	4.378	1839319	288049.0	56.54	15214.0	153950	503.582	ng/ml
Alprazolam	5.764	686075	∞	93.45	54270.4	50540	499.290	ng/ml
Amphetamine	3.069	624328	50775.6	264.30	120504.0	59091	363.781	ng/ml
Benzoylcegonine	3.874	45458	12968.4	40.61	2845.9	2775	501.115	ng/ml
Bromazolam	5.804	217514	3133.5	95.00	∞	19208	471.690	ng/ml
Buprenorphine	5.828	68680	768.2	15.17	390.3	12626	64.953	ng/ml
Bupropion	4.809	2099368	26330.3	72.00	5275804.3	128193	502.955	ng/ml
Carisoprodol	5.709	429583	∞	63.66	19963.2	31708	457.864	ng/ml
Citalopram	5.261	1203963	∞	39.39	∞	101118	494.384	ng/ml
Clonazepam	5.607	117802	∞	35.05	524981.1	4523	469.192	ng/ml
Clonazolam	5.543	154657	40844.3	37.44	4211.8	8122	499.831	ng/ml
Cocaine	4.283	1640899	1035442.6	44.11	72408.1	228352	519.578	ng/ml
Codeine	2.616	118788	10747.9	92.87	95588.0	10955	501.931	ng/ml
Cyclobenzaprine	5.635	1653691	318636.9	10.50	151954.3	104576	494.848	ng/ml
Dextromethorphan	5.295	828588	∞	77.93	165782.0	81469	515.732	ng/ml
Dextrorphan	4.147	1247352	2034127.4	45.53	10261094.0	130852	506.157	ng/ml
Diazepam	5.941	467155	8394.0	86.01	13302.6	40379	507.263	ng/ml
Dihydrocodeine	2.570	380029	3089.2	65.90	1380.5	61578	406.263	ng/ml
Diphenhydramine	5.321	4969278	260229.0	32.28	183780.5	411917	510.025	ng/ml
Doxylamine	4.560	4576703	221581.2	95.23	225152.4	289065	476.527	ng/ml
Duloxetine	5.665	229812	668.4	9.15	350.5	15560	488.800	ng/ml
EDDP	5.284	1796658	233480.8	42.68	∞	169816	499.672	ng/ml
Etizolam	5.804	67088	10273.2	379.55	∞	50540	503.704	ng/ml
Fentanyl	5.121	215434	8354.7	133.91	19647.7	175508	49.017	ng/ml
Fluorofentanyl	5.178	197725	51733.1	114.78	3149.3	2294	50.991	ng/ml
Fluoxetine	5.722	1505408	∞	6.33	142170.0	107845	498.998	ng/ml
Hydrocodone	3.050	572819	∞	39.75	∞	63582	484.897	ng/ml
Hydromorphone	1.628	354275	∞	73.94	∞	23978	480.820	ng/ml
Hydroxyzine	5.720	1481601	98803.6	107.25	147096.5	411917	478.193	ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	4.062	919852	101943.7	38.28	67255.1	108160	420.838 ng/ml
Lamotrigine	4.321	85335	44469.4	97.44	∞	31708	529.974 ng/ml
Lorazepam	5.742	49838	∞	39.20	818.7	7084	468.839 ng/ml
MDA	3.216	750642	184169.5	30.54	7113.1	81464	414.016 ng/ml
MDMA	3.313	1231654	141393.4	98.53	69923.8	24590	488.584 ng/ml
Meprobamate	4.903	160222	10178.1	51.37	9127.3	12198	490.715 ng/ml
Methadone	5.664	2199798	189392.6	64.59	81723.5	217266	508.854 ng/ml
Methamphetamine	3.237	2442901	192511.0	37.35	∞	182832	429.071 ng/ml
Metoprolol	4.340	345242	∞	99.14	∞	101118	478.235 ng/ml
Mirtazapine	4.659	2323249	448454.3	52.97	187355.6	183711	505.672 ng/ml
Mitragynine	5.255	539571	2586590.8	31.62	575160.6	10955	551.466 ng/ml
Morphine	1.241	62405	53189.0	20.22	2960.6	1916	474.615 ng/ml
Norbuprenorphine	5.022	12432	24745.4	102.54	27765.8	4287	51.067 ng/ml
Nordiazepam	5.890	125837	10250.6	62.87	32489.5	8122	508.147 ng/ml
Norfentanyl	4.103	62661	∞	28.67	1039260.9	142942	50.905 ng/ml
Norhydrocodone	3.096	96868	∞	22.38	∞	16760	479.848 ng/ml
Noroxycodone	2.942	295017	∞	51.62	∞	22267	485.175 ng/ml
O-desmethyl-tramadol	3.388	3300547	16201094.0	7.17	27385.3	262744	476.525 ng/ml
O-Desmethylvenlafaxine	4.096	730924	22750.8	532.69	201040.7	4999	492.790 ng/ml
Olanzapine	4.549	771730	5829.0	45.83	1294.3	53069	413.037 ng/ml
Oxazepam	5.744	76035	∞	68.66	300255.9	7084	503.110 ng/ml
Oxycodone	2.865	1011043	∞	29.57	2996.6	95888	485.751 ng/ml
Oxymorphone	1.410	346016	∞	43.90	∞	30826	485.038 ng/ml
Phentermine	3.791	408597	4570.4	8.91	2121.8	105326	423.898 ng/ml
Promethazine	5.561	1943256	204213.4	40.30	507935.3	224258	506.403 ng/ml
Pseudoephedrine	2.593	2739895	∞	17.67	∞	183711	485.899 ng/ml
Quetiapine	5.574	1983135	∞	64.13	42011.0	59355	503.327 ng/ml
Sertraline	5.785	365860	184727.3	93.56	84111.3	30954	501.168 ng/ml
Temazepam	5.811	382888	62548.1	31.78	∞	31890	505.722 ng/ml
Tramadol	4.254	3031031	∞	4.07	∞	298012	487.892 ng/ml
Trazodone	5.208	1636197	200577.4	132.79	200789.8	208771	436.747 ng/ml
Venlafaxine	5.066	2579017	25104.2	36.27	26949.0	260856	508.799 ng/ml
Xylazine	4.083	178062	1212.0	135.07	2175.1	86578	471.988 ng/ml
Zolpidem	4.967	2981464	324152.1	31.15	52324.1	254253	488.120 ng/ml

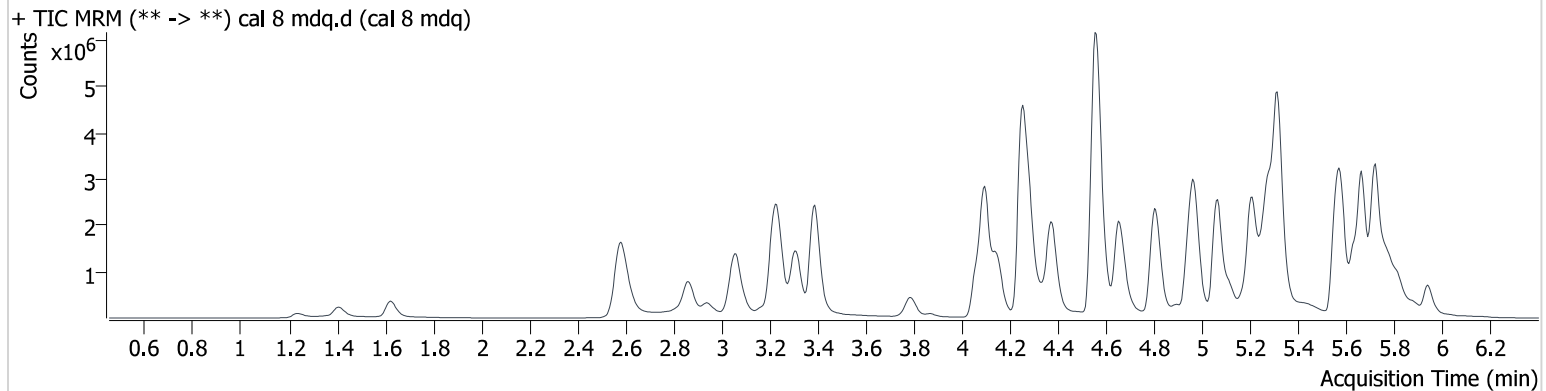
AM #28 Multi-Drug Quant. Results

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Operator Mikel Buffaloe
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	3.161	76123	57205.4	126.57	105961.4	21073	101.222	ng/ml
7-aminoclonazepam	4.258	245600	925748.2	111.41	123338.8	24260	655.002	ng/ml
a-hydroxyalprazolam	5.690	82836	5644.5	59.92	1167.2	3205	1309.314	ng/ml
alpha-PHP	4.943	851000	408033.8	258.40	2076174.5	60894	717.883	ng/ml
alpha-PVP	4.378	3539005	852929.7	56.27	603277.6	150606	990.109	ng/ml
Alprazolam	5.764	1080957	37862.1	89.50	80861.0	40666	977.182	ng/ml
Amphetamine	3.064	955087	133420.6	256.27	120641.5	60894	540.875	ng/ml
Benzoylecgonine	3.869	102432	∞	42.90	5851.8	3126	1003.419	ng/ml
Bromazolam	5.804	306755	∞	96.92	∞	14144	903.766	ng/ml
Buprenorphine	5.828	136707	8637.2	13.93	272.2	10438	156.259	ng/ml
Bupropion	4.804	4156336	638193.8	68.99	272134.4	133243	957.463	ng/ml
Carisoprodol	5.703	533734	3920634.0	63.15	33159.3	24192	745.769	ng/ml
Citalopram	5.256	1768878	208078.2	39.37	∞	73821	994.764	ng/ml
Clonazepam	5.602	219939	21887.1	34.01	∞	4197	942.669	ng/ml
Clonazolam	5.538	266235	65878.3	37.61	7704.3	7132	979.108	ng/ml
Cocaine	4.283	2884500	∞	43.89	110658.1	209237	996.841	ng/ml
Codeine	2.611	200771	∞	92.49	27151.5	10491	886.314	ng/ml
Cyclobenzaprine	5.635	2682466	372850.5	10.60	445919.7	90207	930.408	ng/ml
Dextromethorphan	5.289	1279509	1042191.0	76.68	51029734.8	66633	973.600	ng/ml
Dextrorphan	4.147	2324102	295117.0	45.45	2495232.1	124910	988.086	ng/ml
Diazepam	5.941	809223	∞	84.55	9690.5	33006	1074.703	ng/ml
Dihydrocodeine	2.560	678552	5731.7	66.49	1365.2	67302	664.436	ng/ml
Diphenhydramine	5.316	8357627	1059839.8	30.70	192854.6	356399	991.010	ng/ml
Doxylamine	4.560	8874841	1724512.7	97.88	329987.6	314880	848.738	ng/ml
Duloxetine	5.665	267644	1022.0	9.03	190.5	8865	999.319	ng/ml
EDDP	5.279	3277127	∞	43.13	1007700.1	158454	976.916	ng/ml
Etizolam	5.804	102744	∞	372.41	18493.7	40666	959.354	ng/ml
Fentanyl	5.116	493751	97158.6	134.80	48716.9	191390	102.996	ng/ml
Fluorofentanyl	5.172	437702	751789.1	113.70	2596.5	2683	96.562	ng/ml
Fluoxetine	5.722	2102087	∞	6.38	132041.2	81337	923.845	ng/ml
Hydrocodone	3.045	1144397	∞	41.78	9837.5	70094	878.936	ng/ml
Hydromorphone	1.623	735273	∞	72.62	∞	24444	978.790	ng/ml
Hydroxyzine	5.720	2253788	192285.3	114.78	305830.8	356399	840.971	ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Ketamine	4.057	1356962	198373.9	38.65	685780.5	102518	655.428	ng/ml
Lamotrigine	4.316	121855	8826.6	99.87	1306086.7	24192	990.347	ng/ml
Lorazepam	5.742	88901	1051891.8	40.59	1859.4	6656	889.390	ng/ml
MDA	3.206	1045243	963595.8	30.48	360431.8	68724	684.026	ng/ml
MDMA	3.308	2189142	358195.3	95.31	160027.4	24441	873.961	ng/ml
Meprobamate	4.898	333474	60208.7	48.86	15009.8	14409	864.882	ng/ml
Methadone	5.664	4113202	7583835.2	61.63	1450639.1	205347	1006.250	ng/ml
Methamphetamine	3.232	4033121	∞	38.80	82565.3	213983	606.854	ng/ml
Metoprolol	4.335	550024	57261536.0	97.31	∞	73821	1043.540	ng/ml
Mirtazapine	4.654	4058243	826013.0	50.70	332652.2	155157	1045.547	ng/ml
Mitragynine	5.249	997286	253386.6	31.35	1068462.5	10491	1063.727	ng/ml
Morphine	1.236	130021	16554.8	18.37	1999.8	1934	979.981	ng/ml
Norbuprenorphine	5.017	26418	∞	101.70	229971.5	4473	104.074	ng/ml
Nordiazepam	5.885	211173	16875.1	59.41	33801.3	7132	970.892	ng/ml
Norfentanyl	4.103	81358	9235.3	28.75	∞	81902	115.362	ng/ml
Norhydrocodone	3.096	175922	∞	25.51	∞	13889	1050.241	ng/ml
Noroxycodone	2.937	582848	∞	51.18	∞	22827	935.010	ng/ml
O-desmethyl-tramadol	3.388	6438737	1313984.2	6.88	163271.9	271308	900.559	ng/ml
O-Desmethylvenlafaxine	4.096	1122809	92847.7	537.29	215114.9	3955	956.890	ng/ml
Olanzapine	4.544	1474358	39278.9	48.00	29866.7	69523	602.718	ng/ml
Oxazepam	5.744	137099	775644.7	72.61	9261.0	6656	964.971	ng/ml
Oxycodone	2.860	2108840	17820.7	29.35	3713.2	106734	910.440	ng/ml
Oxymorphone	1.405	702272	∞	42.92	∞	32659	929.332	ng/ml
Phentermine	3.791	660150	47397.0	9.11	3233.4	112560	641.256	ng/ml
Promethazine	5.556	3529618	∞	38.76	95517.7	200452	1028.589	ng/ml
Pseudoephedrine	2.583	4492943	∞	17.77	8847.3	155157	943.564	ng/ml
Quetiapine	5.579	3210140	360613.1	62.99	2873824.5	52939	913.575	ng/ml
Sertraline	5.785	496780	134864.8	93.20	970126.8	21148	995.795	ng/ml
Temazepam	5.816	524658	98559.3	33.21	∞	20800	1061.966	ng/ml
Tramadol	4.249	5415571	∞	3.84	∞	302940	857.831	ng/ml
Trazodone	5.208	3071455	403303.3	136.38	1883435.1	239889	713.519	ng/ml
Venlafaxine	5.066	5250479	1180536.7	35.27	197034.8	248525	1086.152	ng/ml
Xylazine	4.077	324703	2953.7	136.40	3854.9	83209	895.893	ng/ml
Zolpidem	4.967	5467337	738331.1	31.27	2164708.8	253581	897.722	ng/ml