









REVIEWED

By Britany Wylie at 8:18 am, Mar 14, 2023

Worklist: 6272

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-0402	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0428	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0434	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0443	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0466	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQQ	
C2023-0498	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0523	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-0541	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 3/9/23

Analyst: Anne Nord

Plate lot#: 230117 Item: IDP-121-3CDA Plate re-test: 7/17/2023

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

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

Blank Blood Lot: 22B52016-1 **Urine Blank lot** 12522

Column: Agilent 120 EC-C18 (2.1x 100-2.7um) **LCMS-QQQ ID:** 69679

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 390993 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS: Cal 6 was injected 3/9/23 it had poor chromatography and shifted retention times for some compounds, it was dried down and reconstituted and injected 3/10/23 that injection was evaluated. The negative urine control was not injected until 3/10/23.

Amphetamine 5-500 cal 8 dropped due to accuracy

Benzoylcegonine 10-1000 cal 1 dropped due to poor response and peak shape in qualifier

Dihydrocodeine 5-500 cal 8 dropped due to accuracy

DMT – Not evaluated lowering ratios

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


Meprobamate 5-500 cal 8 dropped due to accuracy

Methamphetamine 5-500 cal 8 dropped due to accuracy

Norhydrocodone not evaluated rising ratios

Oxycodone 5-500 cal 8 dropped due to accuracy

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



	1	2	3	4	5	6	7	8	9	10	11	12
A				428-6	IS + Cal. 1	IS + QC_1						
B				402-1	IS + Cal. 2	IS + QC_2						
C				443-2	IS + Cal. 3	IS + QC 3						
D				498-1	IS + Cal. 4	IS + QC_4						
E				434-2	IS + Cal. 5	IS + QC_2						
F				523-6	IS + Cal. 6	negative urine						
G				541-1	IS + Cal. 7	Negative blood						
H				466-1	IS + Cal. 8							

blank in front

plate position 2

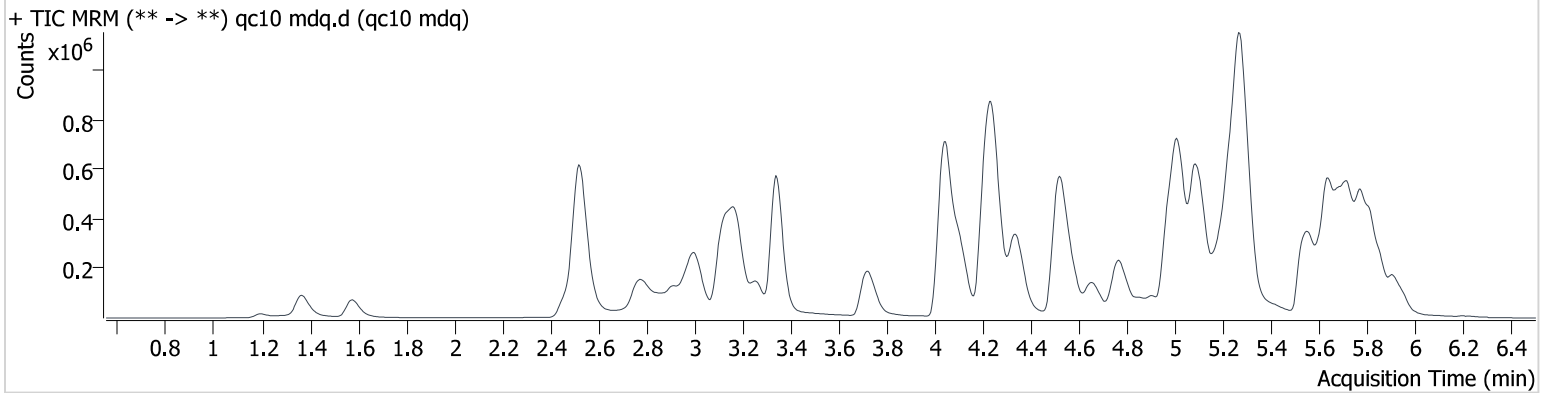
c2023-0__-__

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument 69679 **Data File** qc10 mdq.d
Type QC **Sample** qc10 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-A6 **Comment**
Injection Volume 3
Acq. Date-Time 3/9/2023 1:39:08 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	3395	4278.4	139.82	11525.9	83148	0.999 ng/ml
7-aminoclonazepam	4.241	49994	3138.6	118.46	108510.2	243249	10.555 ng/ml
a-hydroxyalprazolam	5.666	10080	412.7	73.64	14605.6	110764	9.754 ng/ml
alpha-PHP	4.920	66521	935.7	260.49	10072.3	837968	10.029 ng/ml
alpha-PVP	4.347	237027	15942.5	55.32	7380.8	837968	10.242 ng/ml
Alprazolam	5.744	121825	3114.8	94.42	8146.5	262098	10.121 ng/ml
Amphetamine	3.005	155660	8098.6	266.66	473762.4	424028	10.795 ng/ml
Benzoylcegonine	3.848	4261	321.4	41.45	150.7	14412	10.219 ng/ml
Buprenorphine	5.866	9817	99.7	16.61	2384.7	108687	1.077 ng/ml
Bupropion	4.777	219289	12002.4	75.59	8563.8	617199	10.908 ng/ml
Carisoprodol	5.695	71016	87094.7	65.77	201.7	234060	9.817 ng/ml
Chlordiazepoxide	5.828	22380	73.7	176.44	513.4	569271	9.726 ng/ml
Chlorpheniramine	5.099	368987	19364.0	0.33	148.3	1320189	10.210 ng/ml
Citalopram	5.211	187779	8521.4	34.11	3558.8	642184	10.124 ng/ml
Clonazepam	5.582	63452	11324.0	31.68	14543.6	110764	10.131 ng/ml
Clonazolam	5.524	61202	8415.2	37.44	4682.7	188237	10.608 ng/ml
Cocaine	4.246	172231	10172.2	51.04	4884.5	1314533	9.879 ng/ml
Codeine	2.549	23076	2140.6	88.85	6534.1	83926	10.251 ng/ml
Cyclobenzaprine	5.611	196516	537636.4	8.94	1006.0	559010	10.496 ng/ml
Dextromethorphan	5.250	129116	5219.1	72.34	3254.4	540715	10.399 ng/ml
Dextrorphan	4.111	148125	5329.4	44.75	9112.8	678294	10.604 ng/ml
Diazepam	5.922	89008	12704.2	85.67	1350.5	295980	10.376 ng/ml
Dihydrocodeine	2.497	56663	380.2	62.79	229.6	353116	10.146 ng/ml
Diphenhydramine	5.281	662698	15668.0	32.14	∞	2281395	10.080 ng/ml
Doxylamine	4.527	518055	9564.1	93.15	84112.1	1512151	10.373 ng/ml
Duloxetine	5.636	27233	125.0	11.81	102.1	68847	10.549 ng/ml
EDDP	5.239	196906	8005.5	41.37	1785.2	897319	9.981 ng/ml
Etizolam	5.779	12213	49449.7	395.74	∞	295980	10.396 ng/ml
Fentanyl	5.098	17901	2097.9	120.21	∞	760192	0.993 ng/ml
Flualprazolam	5.671	45503	12309.9	102.62	∞	188237	10.880 ng/ml
Fluorofentanyl	5.159	15151	858.9	124.73	346.9	8328	0.949 ng/ml
Fluoxetine	5.693	174207	68560.3	6.57	14894.5	535556	10.417 ng/ml
Hydrocodone	2.997	86701	2931.6	38.24	447.0	430922	10.447 ng/ml

AM #28 Multi-Drug Quant. Results

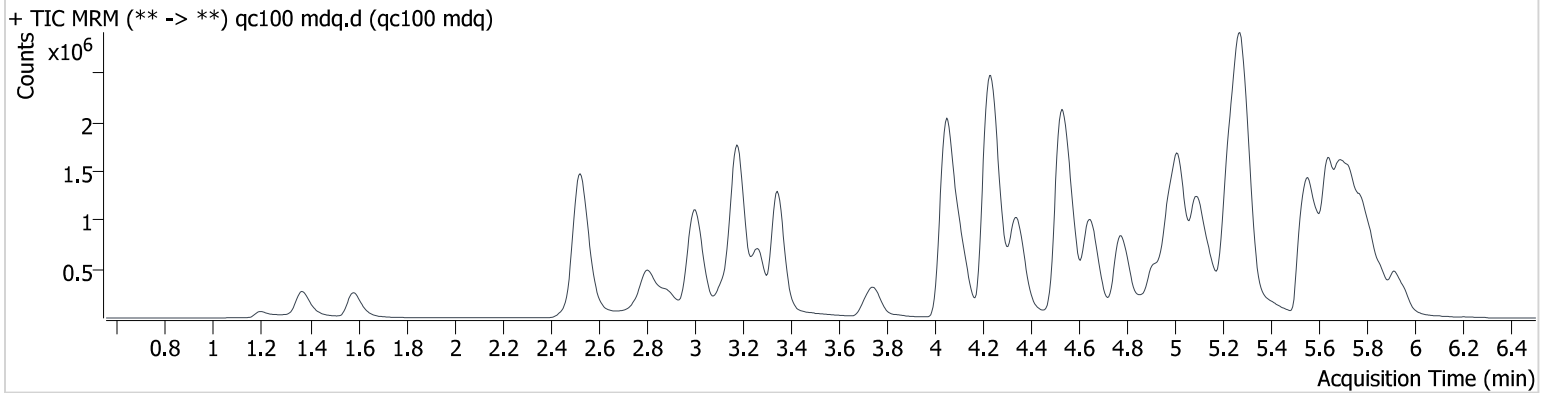
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	61678	7216.9	74.11	6995.3	176271	10.169 ng/ml
Hydroxyzine	5.701	114104	592.9	116.61	29801.0	227903	9.780 ng/ml
Ketamine	4.045	181283	42092.9	37.05	913.8	596155	10.589 ng/ml
Lamotrigine	4.290	13188	3913.7	103.56	34806.3	511042	9.851 ng/ml
Lorazepam	5.718	53543	∞	42.93	736.7	446953	11.409 ng/ml
MDA	3.172	219617	2727.3	31.02	2538.6	511042	10.522 ng/ml
MDMA	3.264	136094	14623.3	109.57	3700.7	166360	9.604 ng/ml
Meprobamate	4.880	62016	1299.4	33.97	871.8	183404	10.639 ng/ml
Methadone	5.640	330424	7919.8	52.75	2638.0	989082	10.768 ng/ml
Methamphetamine	3.183	400329	62686.6	39.56	∞	1243287	8.599 ng/ml
Metoprolol	4.303	38957	26787.1	100.46	6910.8	511042	9.826 ng/ml
Mirtazapine	4.652	316173	9316.3	50.15	3826.3	166360	10.377 ng/ml
Mitragynine	5.230	49419	20770.7	30.99	20361.0	511042	10.138 ng/ml
Morphine	1.201	9846	∞	20.55	∞	11194	10.767 ng/ml
Norbuprenorphine	4.978	1687	3486.0	95.79	2208.5	21068	1.063 ng/ml
Nordiazepam	5.866	64773	1862.5	58.66	26157.6	188237	10.169 ng/ml
Norfentanyl	4.066	3836	161.5	300.51	550.0	1196402	0.971 ng/ml
Noroxycodone	2.880	61418	1750.7	51.42	2311.3	214831	10.179 ng/ml
O-desmethyl-tramadol	3.345	380159	48589.5	6.35	2579.9	1593537	10.361 ng/ml
O-Desmethylvenlafaxine	4.054	105406	372.5	238.92	964.4	312974	10.246 ng/ml
Olanzapine	4.587	109320	255.1	41.69	305.5	249345	10.083 ng/ml
Oxazepam	5.730	90137	2015.0	69.66	2094.2	446953	10.387 ng/ml
Oxycodone	2.797	152444	4736.2	31.98	3530.2	500594	10.559 ng/ml
Oxymorphone	1.369	92112	∞	46.38	∞	296659	10.161 ng/ml
Phentermine	3.755	64693	1243.5	11.77	271.7	681727	10.699 ng/ml
Promethazine	5.542	152324	2393.9	40.87	927.2	699749	9.592 ng/ml
Pseudoephedrine	2.531	502052	17360.8	17.40	17577.1	1744247	10.085 ng/ml
Quetiapine	5.565	170216	18536.1	62.80	∞	227903	9.950 ng/ml
Sertraline	5.765	56999	10369.6	101.94	1237.7	212863	10.020 ng/ml
Temazepam	5.787	194890	7682.7	29.82	435.5	942589	9.901 ng/ml
Tramadol	4.223	413780	∞	3.25	171.0	1607700	10.304 ng/ml
Trazodone	5.246	236683	∞	68.82	2867813044 2864.7	890397	10.837 ng/ml
Venlafaxine	5.022	267761	24785.6	47.94	2169.7	1412138	9.840 ng/ml
Zolpidem	4.996	385643	12733.5	26.74	1783.4	1698254	9.957 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B6	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 4:35:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.128	29169	∞	135.19	126815.4	70070	10.721 ng/ml
7-aminoclonazepam	4.247	380623	28760.4	117.21	18973.0	187938	112.746 ng/ml
a-hydroxyalprazolam	5.660	61257	1562.0	68.45	327.6	68049	106.662 ng/ml
alpha-PHP	4.915	535631	31360.2	251.38	50010.8	659016	98.403 ng/ml
alpha-PVP	4.347	1923809	115006.1	54.65	50078.4	659016	103.748 ng/ml
Alprazolam	5.744	865446	12483.2	90.87	3827.7	176460	103.381 ng/ml
Amphetamine	3.005	1095303	∞	263.71	43722.3	326083	112.678 ng/ml
Benzoylcegonine	3.848	34528	9693.6	47.13	843.2	12651	94.612 ng/ml
Buprenorphine	5.835	73110	1619.1	15.95	15573.6	82165	9.817 ng/ml
Bupropion	4.777	1763328	122710.8	74.67	47161.6	527566	104.957 ng/ml
Carisoprodol	5.695	420759	429905.1	62.31	9054.6	139281	98.733 ng/ml
Chlordiazepoxide	5.833	151080	58939.9	176.41	94276.3	391770	105.106 ng/ml
Chlorpheniramine	5.099	3003082	95528.5	0.31	∞	1083239	102.030 ng/ml
Citalopram	5.211	1299664	25964.6	35.41	∞	431587	105.380 ng/ml
Clonazepam	5.588	394881	29757.6	33.28	∞	68049	101.858 ng/ml
Clonazolam	5.524	418330	167130.5	38.47	24732.4	136641	96.762 ng/ml
Cocaine	4.251	1332760	∞	49.76	290562.1	1009375	99.613 ng/ml
Codeine	2.554	157158	15351.4	93.80	23908.4	57531	104.487 ng/ml
Cyclobenzaprine	5.611	1447290	544612.5	8.25	3455.1	410075	103.490 ng/ml
Dextromethorphan	5.250	928557	48410.9	72.73	105573.3	396923	98.766 ng/ml
Dextrorphan	4.111	1198922	98339.4	45.29	159221.1	558707	98.045 ng/ml
Diazepam	5.922	675030	13788.0	85.98	∞	226222	102.716 ng/ml
Dihydrocodeine	2.497	430414	984.7	64.92	966.9	288099	101.783 ng/ml
Diphenhydramine	5.286	5036735	260800.7	31.65	82060.6	1721197	97.650 ng/ml
Doxylamine	4.528	4271791	250500.4	95.04	597087.2	1305938	100.621 ng/ml
Duloxetine	5.636	177301	652.5	10.93	496.7	47546	99.288 ng/ml
EDDP	5.244	1312658	59471.8	43.59	∞	616009	97.628 ng/ml
Etizolam	5.785	87822	12488.2	402.39	7331.0	226222	98.031 ng/ml
Fentanyl	5.098	141205	125141.0	119.91	∞	594312	9.774 ng/ml
Flualprazolam	5.676	302558	13233.7	97.04	4424.5	136641	104.562 ng/ml
Fluorofentanyl	5.159	119767	267.7	130.43	10307.2	6286	9.782 ng/ml
Fluoxetine	5.698	1058158	858119.3	6.42	90209.2	342343	98.613 ng/ml
Hydrocodone	3.002	592211	16984.1	38.68	5639.0	307698	106.784 ng/ml

AM #28 Multi-Drug Quant. Results

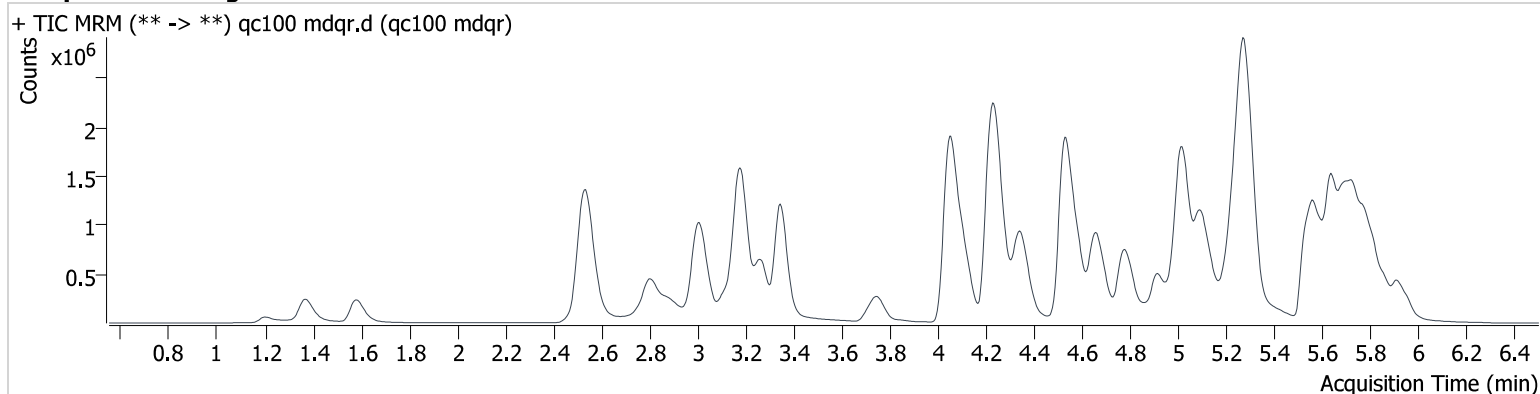
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	519458	6721.8	73.73	18159.0	149257	101.095 ng/ml
Hydroxyzine	5.696	884620	519546.8	116.40	6560.2	173002	95.112 ng/ml
Ketamine	4.040	1338680	142603.1	37.76	19836.4	464132	107.811 ng/ml
Lamotrigine	4.284	93193	15025.5	98.55	∞	356384	95.906 ng/ml
Lorazepam	5.723	237635	∞	45.42	1241.4	231918	100.633 ng/ml
MDA	3.167	1385198	47751.0	30.04	11578.5	356384	98.808 ng/ml
MDMA	3.269	1087089	244528.0	109.32	46384.8	121738	105.556 ng/ml
Meprobamate	4.875	438534	24013.5	32.35	5314.0	142238	104.040 ng/ml
Methadone	5.645	2517174	3502216.7	52.34	229262.1	798928	100.908 ng/ml
Methamphetamine	3.183	2577903	133237.3	41.09	11424.2	1009122	107.840 ng/ml
Metoprolol	4.303	288542	1532627.1	97.95	∞	356384	97.835 ng/ml
Mirtazapine	4.646	2552772	182023.2	49.65	228838.9	121738	107.171 ng/ml
Mitragynine	5.230	357398	25933.6	31.07	74172.1	356384	99.970 ng/ml
Morphine	1.196	84789	95723.2	20.03	∞	10461	98.751 ng/ml
Norbuprenorphine	4.978	10310	387295.8	100.86	23072.8	14636	100.572 ng/ml
Nordiazepam	5.866	459146	∞	60.71	31856.0	136641	99.133 ng/ml
Norfentanyl	4.066	28524	∞	280.31	12377.4	850189	10.954 ng/ml
Noroxycodone	2.880	443349	5613.0	49.64	4515.9	161419	94.168 ng/ml
O-desmethyl-tramadol	3.345	3068681	202910.0	6.50	35682.5	1350775	99.740 ng/ml
O-Desmethylvenlafaxine	4.054	799370	904.5	244.91	44051.3	250391	98.423 ng/ml
Olanzapine	4.572	912207	6595.2	44.49	1939.5	212845	93.911 ng/ml
Oxazepam	5.730	456284	7194.1	71.67	4886.0	231918	101.872 ng/ml
Oxycodone	2.797	1168441	1377291.5	31.00	12025.3	417381	103.102 ng/ml
Oxymorphone	1.369	764379	∞	46.18	∞	243256	103.211 ng/ml
Phentermine	3.755	506412	∞	10.09	1534.7	563462	109.809 ng/ml
Promethazine	5.532	1977135	339206.9	40.01	55648.0	918922	91.933 ng/ml
Pseudoephedrine	2.531	3883764	156039.4	16.98	∞	1332938	100.264 ng/ml
Quetiapine	5.560	1326801	∞	63.20	20842193.8	173002	99.619 ng/ml
Sertraline	5.760	384480	204009.1	97.64	587513.9	141315	106.207 ng/ml
Temazepam	5.787	1207171	19586.6	29.12	∞	572325	99.184 ng/ml
Tramadol	4.223	3275725	∞	3.44	∞	1311476	104.752 ng/ml
Trazodone	5.226	1661782	∞	72.32	772825.9	691905	104.404 ng/ml
Venlafaxine	5.022	2168388	115902.0	46.68	8864.5	1124139	96.936 ng/ml
Zolpidem	4.985	3008439	815579.5	28.35	129523.9	1360219	103.533 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	qc100 mdqr.d
Type	QC	Sample	qc100 mdqr
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B6	Comment	
Injection Volume	3		
Acq. Date-Time	3/10/2023 10:26:55 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	26591	43987.1	134.01	90912.6	61613	11.117 ng/ml
7-aminoclonazepam	4.247	201896	2022.7	114.54	2586.2	98860	113.699 ng/ml
a-hydroxyalprazolam	5.660	54229	1125.0	68.68	1001.6	61470	104.509 ng/ml
alpha-PHP	4.920	507884	4245.2	258.52	22222.2	606658	101.344 ng/ml
alpha-PVP	4.352	1737329	112226.9	55.66	38869.7	606658	101.781 ng/ml
Alprazolam	5.744	789609	2779.1	94.54	∞	155812	106.809 ng/ml
Amphetamine	3.010	947773	198114.2	277.61	40472.0	269785	117.926 ng/ml
Benzoylcegonine	3.848	31708	11451.2	48.63	7378.0	11623	94.567 ng/ml
Buprenorphine	5.871	70832	71018.6	15.55	6455.8	81981	9.535 ng/ml
Bupropion	4.782	1534748	101068.9	77.04	∞	439520	109.664 ng/ml
Carisoprodol	5.700	370733	18818221.2	62.19	5306.2	117102	103.476 ng/ml
Chlordiazepoxide	5.828	152873	708.5	172.26	3903.9	392947	106.045 ng/ml
Chlorpheniramine	5.104	2736510	108642.2	0.31	3133.9	976459	103.142 ng/ml
Citalopram	5.211	1245343	57059.7	35.21	∞	409023	106.547 ng/ml
Clonazepam	5.582	349153	50052.4	33.44	989272.0	61470	99.704 ng/ml
Clonazolam	5.524	396592	69867.9	35.94	333876.5	121381	103.242 ng/ml
Cocaine	4.251	1275905	144232.5	49.71	54892.3	961254	100.137 ng/ml
Codeine	2.559	151424	56442.8	90.51	4224.0	52594	110.142 ng/ml
Cyclobenzaprine	5.611	1262243	57195.4	8.73	3070.6	345878	107.003 ng/ml
Dextromethorphan	5.249	867989	49727.8	71.42	79604.6	370027	99.033 ng/ml
Dextrorphan	4.111	1130302	∞	45.43	39406.4	533140	96.875 ng/ml
Diazepam	5.922	578693	∞	84.78	4612.8	197906	100.656 ng/ml
Dihydrocodeine	2.507	400870	4048.6	62.64	4401.4	263860	103.520 ng/ml
Diphenhydramine	5.286	4593271	3341258.3	31.56	54539.7	1562458	98.098 ng/ml
Doxylamine	4.533	3997303	∞	93.27	1229307.7	1188492	103.465 ng/ml
Duloxetine	5.636	163870	309.0	10.48	145.9	45204	96.522 ng/ml
EDDP	5.239	1220836	23960.2	43.51	44021.1	579066	96.590 ng/ml
Etizolam	5.779	86376	∞	380.32	∞	197906	110.215 ng/ml
Fentanyl	5.103	128291	7356.1	120.01	133830.8	533860	9.886 ng/ml
Flualprazolam	5.676	261192	∞	98.48	9991.3	121381	101.598 ng/ml
Fluorofentanyl	5.159	114845	157.1	124.44	389.0	6406	9.206 ng/ml
Fluoxetine	5.698	982296	∞	6.19	∞	311410	100.635 ng/ml
Hydrocodone	2.997	552227	9704.6	38.30	4780.7	304024	100.733 ng/ml

AM #28 Multi-Drug Quant. Results

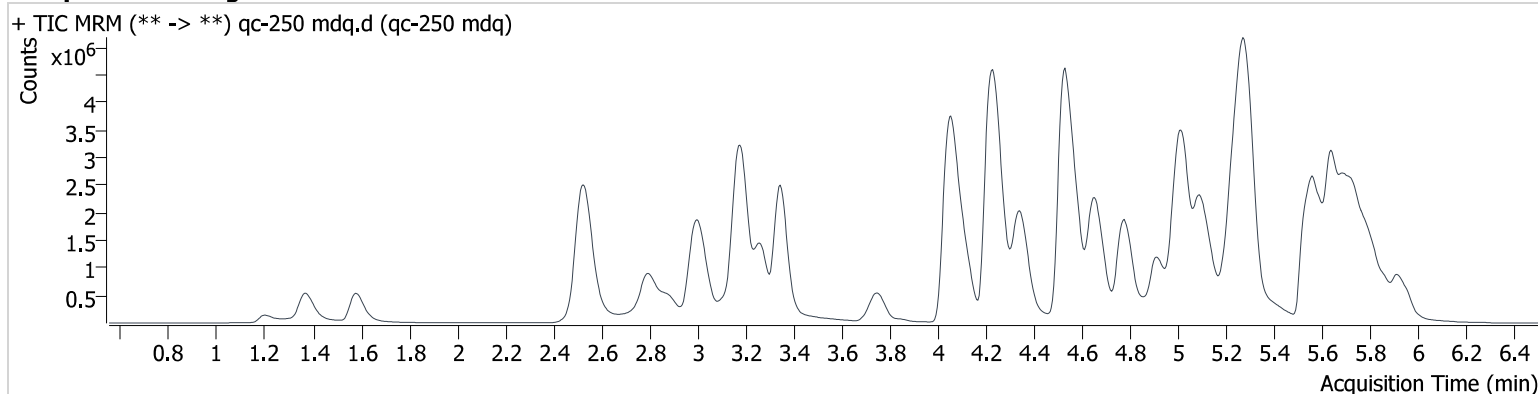
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	473889	13098.3	73.98	9077.7	136756	100.657 ng/ml
Hydroxyzine	5.701	785083	202493.8	115.91	2710.7	161458	90.471 ng/ml
Ketamine	4.045	1229314	∞	37.99	7022.6	428712	107.177 ng/ml
Lamotrigine	4.290	91754	15040.2	96.04	9118.4	295569	113.775 ng/ml
Lorazepam	5.728	231652	∞	46.05	1720.5	231727	98.171 ng/ml
MDA	3.172	1280060	∞	29.60	17061.9	295569	110.148 ng/ml
MDMA	3.269	990062	∞	110.75	18953.5	115251	101.543 ng/ml
Meprobamate	4.875	368476	4128.6	32.33	1547.0	107957	115.272 ng/ml
Methadone	5.640	2342575	381972.4	50.70	48539.5	708989	105.818 ng/ml
Methamphetamine	3.183	2363894	55857.9	38.83	166002.3	932274	106.997 ng/ml
Metoprolol	4.303	270229	263468.2	97.10	∞	295569	110.391 ng/ml
Mirtazapine	4.662	2377627	111046.7	50.15	∞	115251	105.448 ng/ml
Mitragynine	5.241	316539	70364.6	28.06	63946.2	295569	106.722 ng/ml
Morphine	1.206	73316	∞	20.79	∞	9576	93.284 ng/ml
Norbuprenorphine	4.978	9378	8905.4	95.88	∞	13704	10.267 ng/ml
Nordiazepam	5.871	411406	∞	59.84	16369.6	121381	99.992 ng/ml
Norfentanyl	4.066	26236	3821.8	279.93	8965.7	794189	10.784 ng/ml
Noroxycodone	2.880	411453	∞	52.85	1387.2	143167	98.515 ng/ml
O-desmethyl-tramadol	3.345	2869472	∞	6.44	12387.4	1202505	104.771 ng/ml
O-Desmethylvenlafaxine	4.054	746101	2455.6	242.34	4005.9	231528	99.350 ng/ml
Olanzapine	4.593	783525	4128.0	43.97	176.7	182214	94.221 ng/ml
Oxazepam	5.730	443096	∞	68.43	∞	231727	99.007 ng/ml
Oxycodone	2.797	1067313	∞	32.43	4698.9	375118	104.802 ng/ml
Oxymorphone	1.369	666014	∞	46.56	∞	210198	104.072 ng/ml
Phentermine	3.755	423590	∞	11.08	644.4	474599	109.041 ng/ml
Promethazine	5.537	1789194	90823.3	39.72	43907.4	808341	94.566 ng/ml
Pseudoephedrine	2.536	3610700	37986.8	17.23	33049.2	1226568	101.296 ng/ml
Quetiapine	5.570	1222801	35960.5	65.22	165526.2	161458	98.378 ng/ml
Sertraline	5.765	339916	998552.5	100.48	158849.3	131879	100.590 ng/ml
Temazepam	5.792	1193510	18561.6	30.44	4914.2	571007	98.289 ng/ml
Tramadol	4.223	3101101	∞	3.35	∞	1196085	108.756 ng/ml
Trazodone	5.257	1604185	139098.1	67.99	75176.3	625820	111.482 ng/ml
Venlafaxine	5.027	1917312	226171.5	47.40	15852.4	995289	96.809 ng/ml
Zolpidem	5.006	2841231	84875.8	27.67	49308.6	1258072	105.733 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C6	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 1:47:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	66539	163157.6	135.60	∞	66739	25.758 ng/ml
7-aminoclonazepam	4.247	680327	83018.2	117.45	12685.6	133110	286.031 ng/ml
a-hydroxyalprazolam	5.660	85747	1652.5	71.53	182.5	43268	236.192 ng/ml
alpha-PHP	4.915	1234030	13559.3	258.11	47614.9	591106	252.027 ng/ml
alpha-PVP	4.347	4354277	∞	55.10	221848.1	591106	261.477 ng/ml
Alprazolam	5.744	1624828	6239.7	90.76	∞	127952	267.107 ng/ml
Amphetamine	3.000	2053811	1027779.0	261.08	46609.0	317300	218.714 ng/ml
Benzoylcegonine	3.848	88863	12283.7	44.86	495.5	13040	236.292 ng/ml
Buprenorphine	5.861	169920	∞	16.31	34434.6	80566	23.145 ng/ml
Bupropion	4.777	4189386	195294.8	75.20	58984.2	501115	262.942 ng/ml
Carisoprodol	5.695	651248	432185.1	60.72	12117.3	87050	244.675 ng/ml
Chlordiazepoxide	5.828	312617	114177.5	157.91	2066.1	320979	267.134 ng/ml
Chlorpheniramine	5.099	6939369	∞	0.34	4901.7	1030591	247.932 ng/ml
Citalopram	5.206	2442752	76098.6	38.85	266742.2	338322	252.831 ng/ml
Clonazepam	5.583	635381	3445688579	31.92	126950.0	43268	257.636 ng/ml
Clonazepam			07262.0				
Clonazepam	5.524	833069	73497.6	38.95	10916.5	103915	252.777 ng/ml
Cocaine	4.251	2854517	564152.7	49.97	148329.9	859309	250.619 ng/ml
Codeine	2.549	298721	16482.8	93.06	14119.8	45065	253.968 ng/ml
Cyclobenzaprine	5.606	2834929	3464081.1	8.87	∞	329917	251.668 ng/ml
Dextromethorphan	5.250	1788894	78223.8	73.22	419115.9	290925	259.025 ng/ml
Dextrorphan	4.111	2668290	172700.6	45.48	111279.7	491156	247.150 ng/ml
Diazepam	5.922	1452158	8022.9	85.86	∞	196881	253.858 ng/ml
Dihydrocodeine	2.487	914687	2345.7	64.53	21336.9	281179	222.663 ng/ml
Diphenhydramine	5.286	10517704	∞	30.91	92144.0	1373091	254.914 ng/ml
Doxylamine	4.528	10363689	204384.0	94.94	784447.2	1289908	247.417 ng/ml
Duloxetine	5.636	313718	702.0	10.58	1199.5	32052	260.579 ng/ml
EDDP	5.239	2973789	3290574.1	44.09	58026.3	559689	243.551 ng/ml
Etizolam	5.785	194355	20288.6	377.25	36509.9	196881	249.321 ng/ml
Fentanyl	5.103	308863	29990.1	120.51	24095.4	508972	24.922 ng/ml
Flualprazolam	5.671	523991	6569.8	96.05	2624.6	103915	238.886 ng/ml
Fluorofentanyl	5.159	286232	7033.8	121.28	3431.0	5662	25.927 ng/ml
Fluoxetine	5.703	1829429	139400.3	6.70	54479.7	239177	243.963 ng/ml

AM #28 Multi-Drug Quant. Results

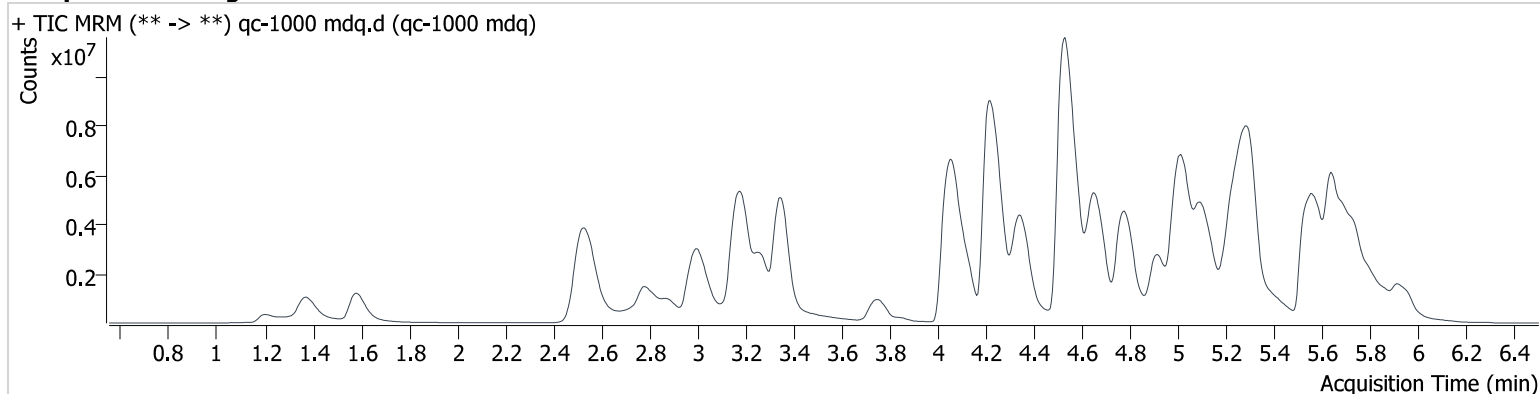
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.992	1235736	∞	39.41	∞	277359	248.247 ng/ml
Hydromorphone	1.582	1192717	∞	74.24	∞	136671	253.489 ng/ml
Hydroxyzine	5.701	1883653	487179.6	118.91	1696629.1	152695	228.728 ng/ml
Ketamine	4.040	2716645	∞	37.36	22112.3	396016	257.615 ng/ml
Lamotrigine	4.290	184659	11152.1	97.62	15586.6	262669	257.113 ng/ml
Lorazepam	5.718	256716	4208.0	46.18	4858.6	110950	227.751 ng/ml
MDA	3.162	2287488	54986.0	28.67	43988.6	262669	221.947 ng/ml
MDMA	3.264	2369297	84867.5	109.93	92900.0	112826	248.329 ng/ml
Meprobamate	4.875	883302	7501.3	31.16	5531.6	124534	240.480 ng/ml
Methadone	5.640	5703142	361330.5	49.82	121208.3	704563	259.127 ng/ml
Methamphetamine	3.178	6013223	145170.2	38.58	162920.2	1030936	253.558 ng/ml
Metoprolol	4.303	581026	165128.3	96.54	∞	262669	266.119 ng/ml
Mirtazapine	4.652	5880944	65642.2	49.10	464945.5	112826	265.313 ng/ml
Mitragynine	5.230	647910	27304.3	31.82	3740.3	262669	245.085 ng/ml
Morphine	1.201	200593	∞	17.83	∞	9522	256.585 ng/ml
Norbuprenorphine	4.973	21844	38345.5	98.95	∞	13155	25.135 ng/ml
Nordiazepam	5.871	864335	∞	60.65	8981.1	103915	245.358 ng/ml
Norfentanyl	4.066	48075	10991.4	277.17	2850.9	622145	25.337 ng/ml
Noroxycodone	2.874	895428	32689.9	49.26	∞	117183	261.236 ng/ml
O-desmethyl-tramadol	3.347	7378108	409145.1	6.30	71982.6	1291757	250.954 ng/ml
O-Desmethylvenlafaxine	4.054	1759249	3163.6	237.54	8339.1	212058	256.010 ng/ml
Olanzapine	4.582	2240728	4720.4	45.67	12323.4	201495	242.828 ng/ml
Oxazepam	5.735	538261	49705.7	70.98	∞	110950	251.291 ng/ml
Oxycodone	2.787	2562771	111178.4	30.99	10821.9	401984	235.738 ng/ml
Oxymorphone	1.369	1782975	∞	46.26	∞	235843	248.373 ng/ml
Phentermine	3.755	1052605	∞	10.88	4937.5	518401	249.343 ng/ml
Promethazine	5.537	4499297	630731.4	38.55	29340.1	792372	242.093 ng/ml
Pseudoephedrine	2.529	8274297	∞	16.85	∞	1113959	255.291 ng/ml
Quetiapine	5.570	2905952	∞	62.37	15166833.3	152695	246.792 ng/ml
Sertraline	5.760	690155	1151970.9	97.81	465688.4	103477	261.056 ng/ml
Temazepam	5.792	2065432	30807.7	30.05	3617.1	387094	250.602 ng/ml
Tramadol	4.218	7143162	∞	3.35	∞	1213831	247.543 ng/ml
Trazodone	5.241	3112336	138033.9	70.72	405848.6	632236	214.838 ng/ml
Venlafaxine	5.027	4718422	38682.8	44.53	15694.5	927756	255.018 ng/ml
Zolpidem	4.996	6839037	371231.2	28.36	100750.7	1283168	250.550 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D6	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 1:56:32 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	178140	768943.7	137.92	1417313.4	51131	90.157 ng/ml
7-aminoclonazepam	4.247	673844	120081.2	118.08	44926.6	45658	827.814 ng/ml
a-hydroxyalprazolam	5.660	68800	483.8	60.96	668.5	9813	838.478 ng/ml
alpha-PHP	4.915	3209080	∞	254.66	86143.8	369563	1046.821 ng/ml
alpha-PVP	4.347	11507459	348268.3	52.75	294478.9	369563	1104.606 ng/ml
Alprazolam	5.744	2528419	2081.9	93.77	5180.9	50297	1056.316 ng/ml
Amphetamine	3.000	3553036	115325.7	252.78	333732.2	222831	541.276 ng/ml
Benzoylcegonine	3.848	319282	649073.5	43.74	7897.9	10959	1010.285 ng/ml
Buprenorphine	5.866	487270	130745.5	15.74	76794.7	52904	100.772 ng/ml
Bupropion	4.777	11916402	1313526.1	69.44	985437.7	367352	1021.060 ng/ml
Carisoprodol	5.700	683000	571478.9	51.17	20524.8	21386	1044.866 ng/ml
Chlordiazepoxide	5.833	523371	13366.2	136.43	10866.8	145246	991.298 ng/ml
Chlorpheniramine	5.099	19287032	137316.4	0.34	3746.1	709864	1000.691 ng/ml
Citalopram	5.195	4225718	560126.2	39.07	94845.5	153328	965.407 ng/ml
Clonazepam	5.582	523496	30411.5	32.27	164360.9	9813	935.690 ng/ml
Clonazolam	5.513	1084952	∞	38.92	25692.9	32518	1050.854 ng/ml
Cocaine	4.251	6403810	343819.0	47.69	402177.9	478052	1010.651 ng/ml
Codeine	2.559	566656	64790.8	95.02	17720.8	20995	1035.004 ng/ml
Cyclobenzaprine	5.600	5130333	722865.5	7.91	∞	155287	967.021 ng/ml
Dextromethorphan	5.250	3317591	115308.3	71.81	917045.6	138172	1010.413 ng/ml
Dextrorphan	4.111	6576710	1220559.4	45.22	219347.8	293086	1018.664 ng/ml
Diazepam	5.927	3331042	∞	83.88	∞	111064	1032.175 ng/ml
Dihydrocodeine	2.482	2130747	9212.0	63.47	2188.0	214622	681.349 ng/ml
Diphenhydramine	5.297	21213913	777777.2	29.80	∞	671300	1050.321 ng/ml
Doxylamine	4.527	28266791	578918.2	98.46	865153.8	907584	959.631 ng/ml
Duloxetine	5.646	391756	2380.3	10.07	6063.4	10678	976.646 ng/ml
EDDP	5.239	9351582	1356917.3	43.34	397521.3	406466	1054.869 ng/ml
Etizolam	5.790	409639	74135.5	389.15	685502.5	111064	931.604 ng/ml
Fentanyl	5.108	609541	67462.5	126.04	1502481.8	248321	100.728 ng/ml
Flualprazolam	5.676	665370	22243.5	92.55	4701.3	32518	971.210 ng/ml
Fluorofentanyl	5.164	825564	525773.7	117.15	39133.8	3685	114.843 ng/ml
Fluoxetine	5.703	2726385	69041.6	6.19	75634.8	91663	948.555 ng/ml
Hydrocodone	2.992	3154606	∞	39.18	∞	194207	907.186 ng/ml

AM #28 Multi-Drug Quant. Results

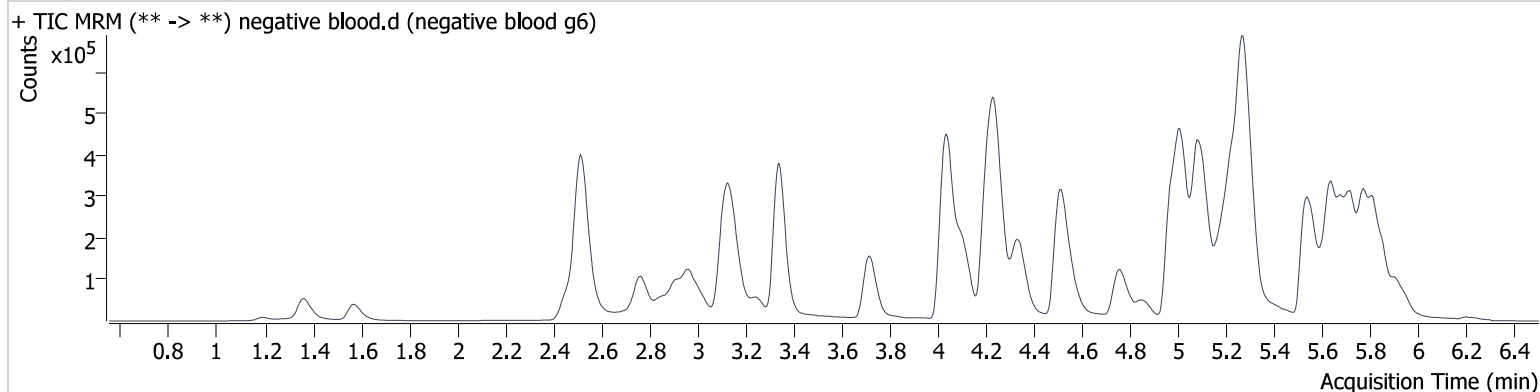
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	3170682	6992.2	74.05	4399.7	91525	1006.243 ng/ml
Hydroxyzine	5.706	4173365	7777.8	119.53	4098.5	69765	1107.164 ng/ml
Ketamine	4.040	5534204	178339.2	36.84	29082.5	228861	910.297 ng/ml
Lamotrigine	4.290	261125	24665.9	95.74	541637.7	110564	862.763 ng/ml
Lorazepam	5.718	135023	4273.8	53.71	1007.9	13478	987.404 ng/ml
MDA	3.142	2801905	46531.5	29.62	251417.8	110564	646.730 ng/ml
MDMA	3.264	5087860	281603.3	108.89	256159.2	62268	966.447 ng/ml
Meprobamate	4.870	1399216	67024.1	30.77	24291.9	65501	726.001 ng/ml
Methadone	5.640	14382964	∞	49.10	13645780.5	450256	1022.376 ng/ml
Methamphetamine	3.178	12509438	362232.7	38.14	∞	835411	659.894 ng/ml
Metoprolol	4.303	866799	586690.7	97.05	∞	110564	941.458 ng/ml
Mirtazapine	4.652	14252095	257169.2	48.43	345317.8	62268	1162.540 ng/ml
Mitragynine	5.225	1082426	109809.1	35.76	16728.1	110564	971.106 ng/ml
Morphine	1.201	544533	∞	20.12	∞	6846	968.563 ng/ml
Norbuprenorphine	4.968	43046	59335.0	96.61	1848940.4	6940	94.324 ng/ml
Nordiazepam	5.876	975458	102247.6	67.57	45385.3	32518	884.836 ng/ml
Norfentanyl	4.066	61578	17657.8	285.08	10142.4	235991	85.755 ng/ml
Noroxycodone	2.880	1616944	51032.4	49.28	∞	49815	1108.332 ng/ml
O-desmethyl-tramadol	3.345	19663261	437422.6	5.87	∞	870351	993.011 ng/ml
O-Desmethylvenlafaxine	4.054	3507773	7863.4	241.57	11444.5	110722	978.077 ng/ml
Olanzapine	4.590	6018771	67873.1	48.53	9968.7	121476	1080.075 ng/ml
Oxazepam	5.735	257976	47346.5	74.48	212879.4	13478	991.591 ng/ml
Oxycodone	2.772	5447286	∞	30.84	∞	280459	719.699 ng/ml
Oxymorphone	1.369	4686343	∞	46.16	∞	158684	970.368 ng/ml
Phentermine	3.755	2486663	4483.8	9.44	451988.8	360171	850.227 ng/ml
Promethazine	5.532	12218565	2392111.1	36.28	∞	520620	999.602 ng/ml
Pseudoephedrine	2.531	16578368	∞	17.01	∞	557162	1022.064 ng/ml
Quetiapine	5.570	5716579	420883.8	61.49	∞	69765	1061.685 ng/ml
Sertraline	5.755	1112272	∞	97.91	7887459.0	41289	1055.859 ng/ml
Temazepam	5.797	2203031	115680.7	30.98	∞	96770	1068.585 ng/ml
Tramadol	4.207	17074727	∞	3.18	∞	747291	962.705 ng/ml
Trazodone	5.241	4432112	∞	71.85	96344.8	408060	474.986 ng/ml
Venlafaxine	5.037	9652327	57926.9	41.20	77988.8	453058	1067.180 ng/ml
Zolpidem	4.996	16672907	2213529.2	28.22	584034.9	843702	931.008 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood g6
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G6	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 2:22:42 PM		
Sample Info.			

Sample Chromatogram

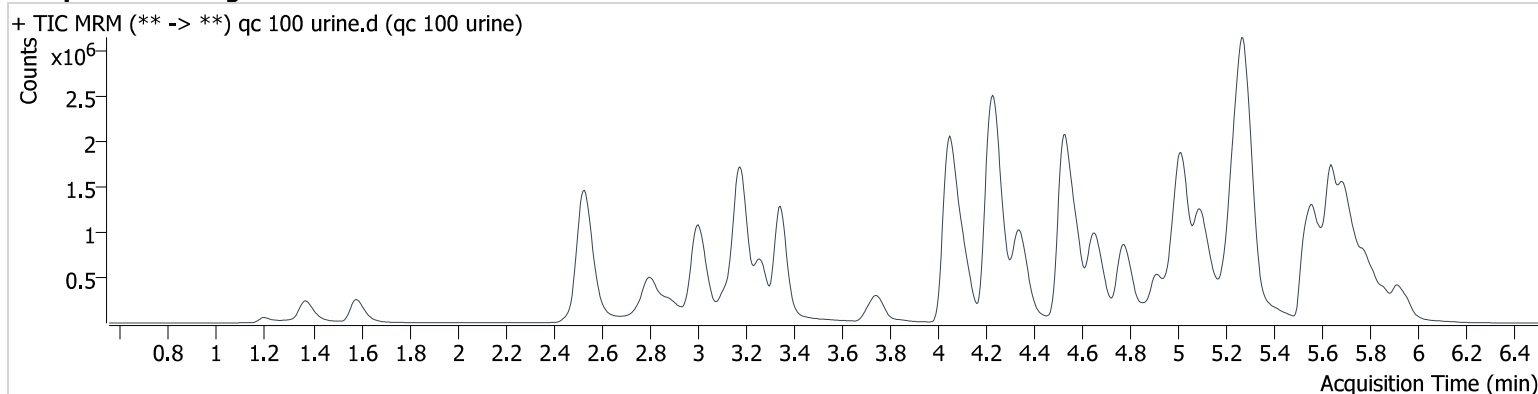


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	qc 100 urine.d
Type	Sample	Sample	qc 100 urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E6	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 2:14:00 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	28818	∞	137.82	28229.1	71302	10.407 ng/ml
7-aminoclonazepam	4.242	410978	10138.3	116.68	7653.9	200013	114.402 ng/ml
a-hydroxyalprazolam	5.660	48435	388.9	66.48	389.2	43494	132.223 ng/ml
alpha-PHP	4.915	558306	22130.8	247.84	58576.4	666100	101.463 ng/ml
alpha-PVP	4.347	1924012	70894.9	54.08	97220.5	666100	102.657 ng/ml
Alprazolam	5.744	610748	∞	92.08	∞	122230	105.318 ng/ml
Amphetamine	3.005	1048965	31556.8	264.38	55676.9	318549	110.430 ng/ml
Benzoylcegonine	3.843	39556	122094.7	42.64	334.9	14076	97.421 ng/ml
Buprenorphine	5.861	84757	5949.0	16.69	8111.9	92229	10.136 ng/ml
Bupropion	4.777	1775019	1220875.8	72.77	30139.4	517579	107.699 ng/ml
Carisoprodol	5.690	302421	594592.8	62.34	4402.7	100338	98.507 ng/ml
Chlordiazepoxide	5.833	123264	2742.1	166.80	582.5	308619	108.899 ng/ml
Chlorpheniramine	5.099	2984366	78701.3	0.33	8901.7	1111376	98.825 ng/ml
Citalopram	5.206	1313411	22004.2	36.81	∞	440726	104.285 ng/ml
Clonazepam	5.588	262637	88019.9	31.86	46354.1	43494	105.991 ng/ml
Clonazolam	5.518	188476	∞	39.15	8496.4	91361	65.323 ng/ml
Cocaine	4.246	1331892	68019.7	48.38	21081.2	989725	101.524 ng/ml
Codeine	2.554	148290	8458.0	93.02	38060.2	51989	109.114 ng/ml
Cyclobenzaprine	5.611	1348904	74265.2	8.20	892.1	398849	99.179 ng/ml
Dextromethorphan	5.250	919234	372580.7	72.60	∞	395541	98.118 ng/ml
Dextrorphan	4.111	1243692	55929.6	45.67	381091.6	594909	95.535 ng/ml
Diazepam	5.922	590749	∞	85.44	9677.1	196515	103.480 ng/ml
Dihydrocodeine	2.502	420907	3572.3	64.21	7723.6	286727	99.996 ng/ml
Diphenhydramine	5.286	4939436	152276.3	31.46	145498.0	1688302	97.630 ng/ml
Doxylamine	4.528	4263442	86700.4	94.95	121398.7	1323698	99.074 ng/ml
Duloxetine	5.636	183773	1503.2	10.67	198.3	48361	101.177 ng/ml
EDDP	5.239	1597569	60717.1	43.82	20243.0	745476	98.183 ng/ml
Etizolam	5.785	74778	7899.9	388.10	42100.8	196515	96.088 ng/ml
Fentanyl	5.098	146646	2335.2	114.28	18510.2	600834	10.040 ng/ml
Flualprazolam	5.671	262515	3495.2	99.28	9134.0	91361	135.866 ng/ml
Fluorofentanyl	5.159	123682	2004.2	125.73	1554.5	6740	9.422 ng/ml
Fluoxetine	5.693	966099	16202.8	6.47	∞	320867	96.060 ng/ml
Hydrocodone	2.997	575916	4109.0	38.12	6270.4	303500	105.271 ng/ml

AM #28 Multi-Drug Quant. Results

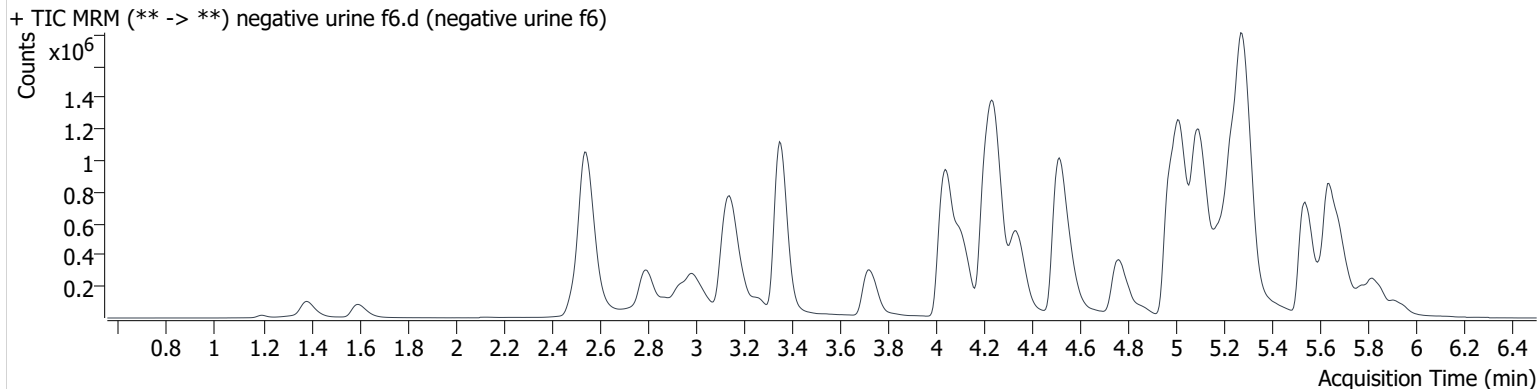
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	514346	15107.4	73.98	6604.3	145022	103.023 ng/ml
Hydroxyzine	5.701	795027	2906.1	118.41	716.3	163068	90.711 ng/ml
Ketamine	4.045	1319685	81230.1	35.88	3923.5	458469	107.592 ng/ml
Lamotrigine	4.290	97899	3801.1	96.10	5535.0	342184	104.891 ng/ml
Lorazepam	5.707	91232	3710961007 931.9	43.81	419.9	98206	91.200 ng/ml
MDA	3.167	1296261	21876.0	29.34	∞	342184	96.290 ng/ml
MDMA	3.264	1082697	34502.5	105.51	94146.1	129597	98.750 ng/ml
Meprobamate	4.875	364396	20220.8	32.45	3687.4	123250	99.735 ng/ml
Methadone	5.640	2774609	30827.1	50.16	18766.5	821730	108.136 ng/ml
Methamphetamine	3.183	2670099	∞	39.58	68135.2	1012682	111.488 ng/ml
Metoprolol	4.303	281395	16754.7	97.01	∞	342184	99.360 ng/ml
Mirtazapine	4.652	2504947	140776.5	49.80	51515.4	129597	98.843 ng/ml
Mitragynine	5.236	465462	18441.3	30.72	165734.7	342184	135.404 ng/ml
Morphine	1.196	76737	∞	18.02	∞	9470	98.727 ng/ml
Norbuprenorphine	4.973	10560	13136.3	94.68	7343.5	15436	10.263 ng/ml
Nordiazepam	5.876	319458	6618.1	60.99	2709.0	91361	103.156 ng/ml
Norfentanyl	4.061	27220	2363.5	275.46	1103.4	833774	10.657 ng/ml
Noroxycodone	2.880	434922	48301.0	49.22	3411.2	153456	97.158 ng/ml
O-desmethyl-tramadol	3.345	2976431	222322.3	6.46	9036.5	1313693	99.472 ng/ml
O-Desmethylvenlafaxine	4.054	812672	2688.1	241.00	16376.2	247469	101.247 ng/ml
Olanzapine	4.582	1119348	10241.6	44.56	4156.9	258813	94.764 ng/ml
Oxazepam	5.715	176432	2895.1	61.62	1405.7	98206	93.018 ng/ml
Oxycodone	2.797	1184198	177321.3	30.82	34347.1	428363	101.804 ng/ml
Oxymorphone	1.369	687989	∞	46.18	∞	222389	101.612 ng/ml
Phentermine	3.755	471833	5713.0	10.72	538.2	518224	111.255 ng/ml
Promethazine	5.537	2044813	18848.0	39.51	115464.7	945758	92.381 ng/ml
Pseudoephedrine	2.531	3843363	∞	17.01	∞	1340461	98.667 ng/ml
Quetiapine	5.565	1243640	91016.9	63.82	388725.2	163068	99.065 ng/ml
Sertraline	5.760	285861	250972.1	100.34	5852.4	110258	101.185 ng/ml
Temazepam	5.787	634955	43269.7	31.29	918.0	304109	98.183 ng/ml
Tramadol	4.217	3255837	∞	3.45	∞	1324911	103.051 ng/ml
Trazodone	5.246	1601789	80338.3	71.99	270802.7	687826	101.207 ng/ml
Venlafaxine	5.022	2189614	39476.6	45.46	9185.3	1130272	97.352 ng/ml
Zolpidem	4.996	2925358	139145.9	28.92	123366.1	1376246	99.472 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 4:12:38 PM

Instrument	69679	Data File	negative urine f6.d
Type	Sample	Sample	negative urine f6
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F6	Comment	
Injection Volume	3		
Acq. Date-Time	3/10/2023 3:53:22 PM		
Sample Info.			

Sample Chromatogram



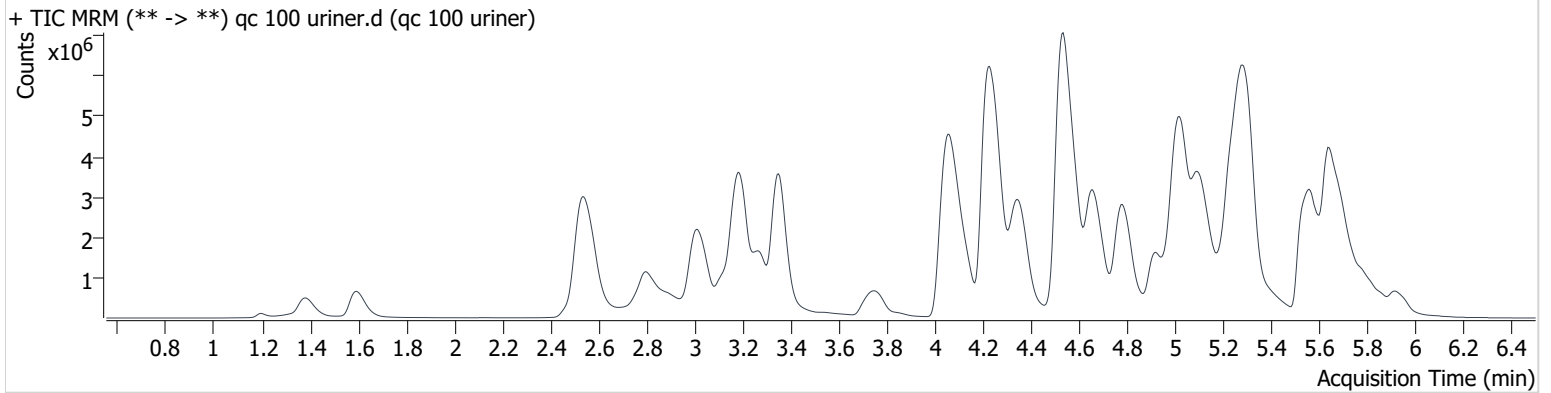
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 4:12:38 PM

Instrument	69679	Data File	qc 100 uriner.d
Type	Sample	Sample	qc 100 uriner
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E6	Comment	
Injection Volume	3		
Acq. Date-Time	3/10/2023 4:02:12 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.128	64293	327908.0	142.13	821064.6	181254	9.127 ng/ml
7-aminoclonazepam	4.252	421543	40926.1	120.40	33036.2	212427	110.452 ng/ml
a-hydroxyalprazolam	5.660	38102	267.8	66.00	∞	25255	179.538 ng/ml
alpha-PHP	4.920	1843124	22527.4	251.92	∞	2171958	102.720 ng/ml
alpha-PVP	4.352	6299700	246424.8	53.69	20195.0	2171958	103.083 ng/ml
Alprazolam	5.744	913900	693.4	92.41	3174.6	173310	111.126 ng/ml
Amphetamine	3.015	2311405	536975.6	252.85	106432.5	824105	93.805 ng/ml
Benzoylcegonine	3.853	163195	12092.7	44.86	2032.0	56962	99.317 ng/ml
Buprenorphine	5.876	219243	∞	15.60	222520.0	210749	11.462 ng/ml
Bupropion	4.782	6215775	332343.0	71.66	∞	1967806	99.175 ng/ml
Carisoprodol	5.690	292834	219130.9	59.93	2679.5	105286	90.893 ng/ml
Chlordiazepoxide	5.833	194439	733.2	144.85	15908.5	558951	94.704 ng/ml
Chlorpheniramine	5.104	9503181	55003.8	0.37	985.1	3810171	91.785 ng/ml
Citalopram	5.206	2363614	176952.5	38.89	70630.5	837789	98.719 ng/ml
Clonazepam	5.582	139199	1939.6	30.38	3028.9	25255	96.753 ng/ml
Clonazolam	5.518	246287	54246.3	38.21	8668.9	75262	103.401 ng/ml
Cocaine	4.256	3757916	680435.8	49.19	133797.7	2849342	99.499 ng/ml
Codeine	2.574	307444	7518.7	95.95	22225.0	99491	118.236 ng/ml
Cyclobenzaprine	5.606	2547804	∞	10.05	∞	836911	89.296 ng/ml
Dextromethorphan	5.249	2065098	∞	71.97	377461.1	884413	98.581 ng/ml
Dextrorphan	4.116	3549222	1075139.1	45.06	146700.1	1662677	97.535 ng/ml
Diazepam	5.927	953244	10783.4	83.27	6720.2	312951	104.851 ng/ml
Dihydrocodeine	2.507	1057841	5216.7	63.98	4304.6	900549	79.840 ng/ml
Diphenhydramine	5.302	12048846	367512.8	30.39	231953.3	4035123	99.633 ng/ml
Doxylamine	4.533	15696327	758243.5	93.87	335285.4	5127604	94.152 ng/ml
Duloxetine	5.646	264408	279.9	11.63	223.9	74106	95.000 ng/ml
EDDP	5.244	5410403	217027.6	43.04	51457.3	2528709	98.026 ng/ml
Etizolam	5.785	172678	2481.2	379.68	6698542724	312951	139.345 ng/ml
Fentanyl	5.113	346818	6387.1	126.15	457805.2	1393467	10.238 ng/ml
Flualprazolam	5.681	344354	2693.8	93.20	2399.0	75262	216.703 ng/ml
Fluorofentanyl	5.164	381411	7684.6	114.88	5542.8	17089	11.456 ng/ml
Fluoxetine	5.703	1494438	∞	6.89	42237.7	520425	91.617 ng/ml

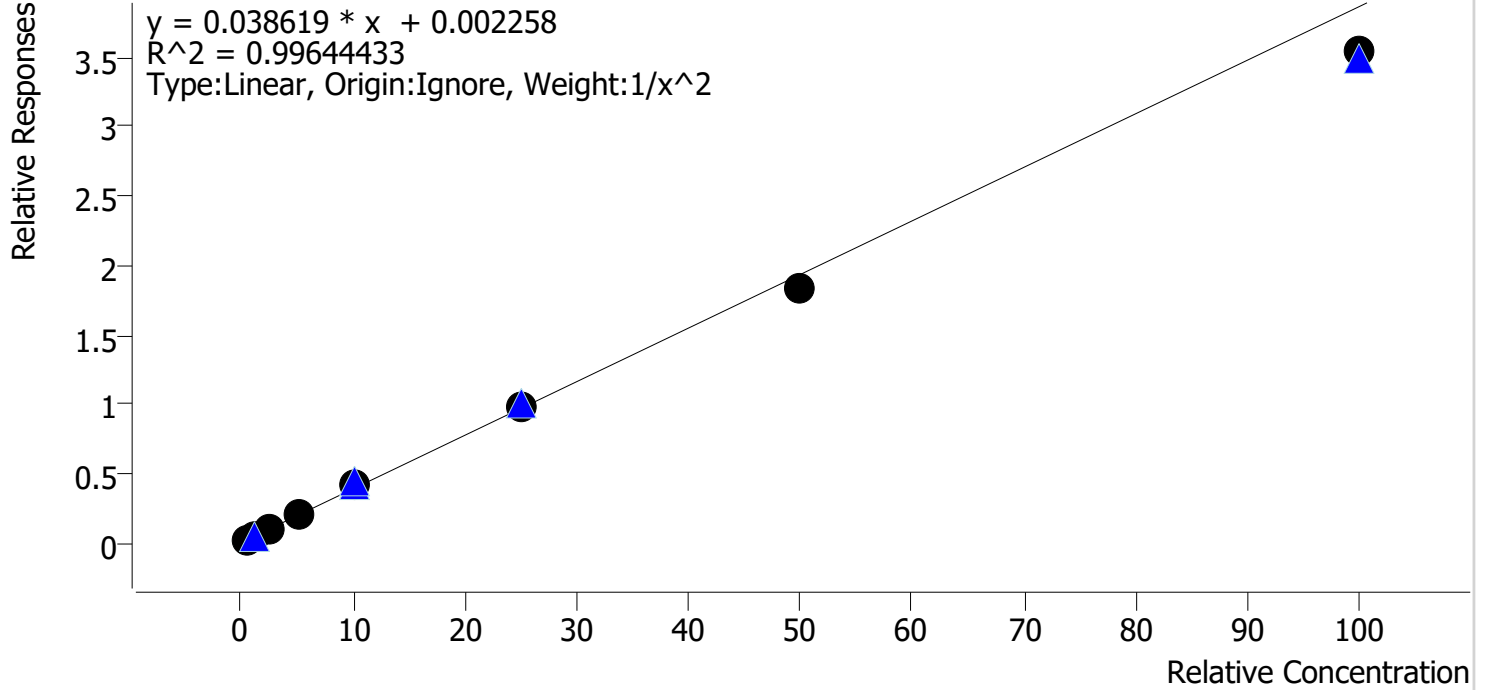
AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.002	1538207	14146.4	38.96	27843.1	821440	103.874 ng/ml
Hydromorphone	1.597	1406016	5326.4	74.61	∞	402135	101.562 ng/ml
Hydroxyzine	5.701	1853100	1438.3	116.98	30710.2	375689	91.767 ng/ml
Ketamine	4.045	3360349	26754.0	37.14	45346.5	1282548	97.855 ng/ml
Lamotrigine	4.300	182266	72552.3	100.49	31498.7	545675	122.387 ng/ml
Lorazepam	5.713	69171	3192.9	41.51	207.3	49911	136.253 ng/ml
MDA	3.172	1971850	∞	30.47	11256.4	545675	91.831 ng/ml
MDMA	3.274	2790027	213174.2	106.68	∞	345804	95.366 ng/ml
Meprobamate	4.875	542801	14949.2	31.03	3984.6	210028	87.072 ng/ml
Methadone	5.640	8272942	101821.1	48.03	42808.0	2544526	104.127 ng/ml
Methamphetamine	3.188	6938328	∞	39.72	∞	3283118	88.226 ng/ml
Metoprolol	4.303	631036	205560.8	97.78	1822697028 814530.0	545675	139.450 ng/ml
Mirtazapine	4.657	8047072	409791.2	48.61	169861.2	345804	118.852 ng/ml
Mitragynine	5.230	1108881	181820.1	32.59	10052.2	545675	202.010 ng/ml
Morphine	1.196	135033	∞	19.71	∞	19602	83.942 ng/ml
Norbuprenorphine	4.978	18652	10896.0	95.60	17199.3	28734	9.730 ng/ml
Nordiazepam	5.881	260688	2638.3	59.94	5732.7	75262	102.185 ng/ml
Norfentanyl	4.071	41346	2169.7	271.50	4842.6	1360726	9.912 ng/ml
Noroxycodone	2.890	780160	66366.8	47.39	7239.6	279575	95.668 ng/ml
O-desmethyl-tramadol	3.353	9428262	250316.6	6.25	22455.6	4458541	92.832 ng/ml
O-Desmethylvenlafaxine	4.059	2105085	1147.1	240.51	47749.3	669772	96.895 ng/ml
Olanzapine	4.593	3773772	6021.3	46.77	1858.4	763837	108.177 ng/ml
Oxazepam	5.725	95783	9010.9	70.69	2537.8	49911	99.366 ng/ml
Oxycodone	2.797	3103022	∞	30.90	∞	1337812	85.298 ng/ml
Oxymorphone	1.379	1526432	∞	46.97	∞	484848	103.407 ng/ml
Phentermine	3.760	1334143	∞	9.23	1546.3	1472189	110.731 ng/ml
Promethazine	5.537	5778267	5730592.9	37.50	163535.8	2587643	95.401 ng/ml
Pseudoephedrine	2.546	9967621	∞	16.65	∞	3427101	100.084 ng/ml
Quetiapine	5.570	3049197	∞	62.88	1194131.8	375689	105.409 ng/ml
Sertraline	5.765	488986	385537.7	97.98	17237.0	196569	97.066 ng/ml
Temazepam	5.792	707077	30486.0	33.76	7359.8	325796	102.050 ng/ml
Tramadol	4.217	9639767	∞	3.32	∞	4275958	94.494 ng/ml
Trazodone	5.257	2811175	∞	72.20	∞	1772590	68.665 ng/ml
Venlafaxine	5.035	5612353	92706.6	41.64	69097.0	2754013	102.392 ng/ml
Zolpidem	5.006	9244304	535654.2	28.22	59641.5	4522758	95.622 ng/ml

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 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, 5 QCs

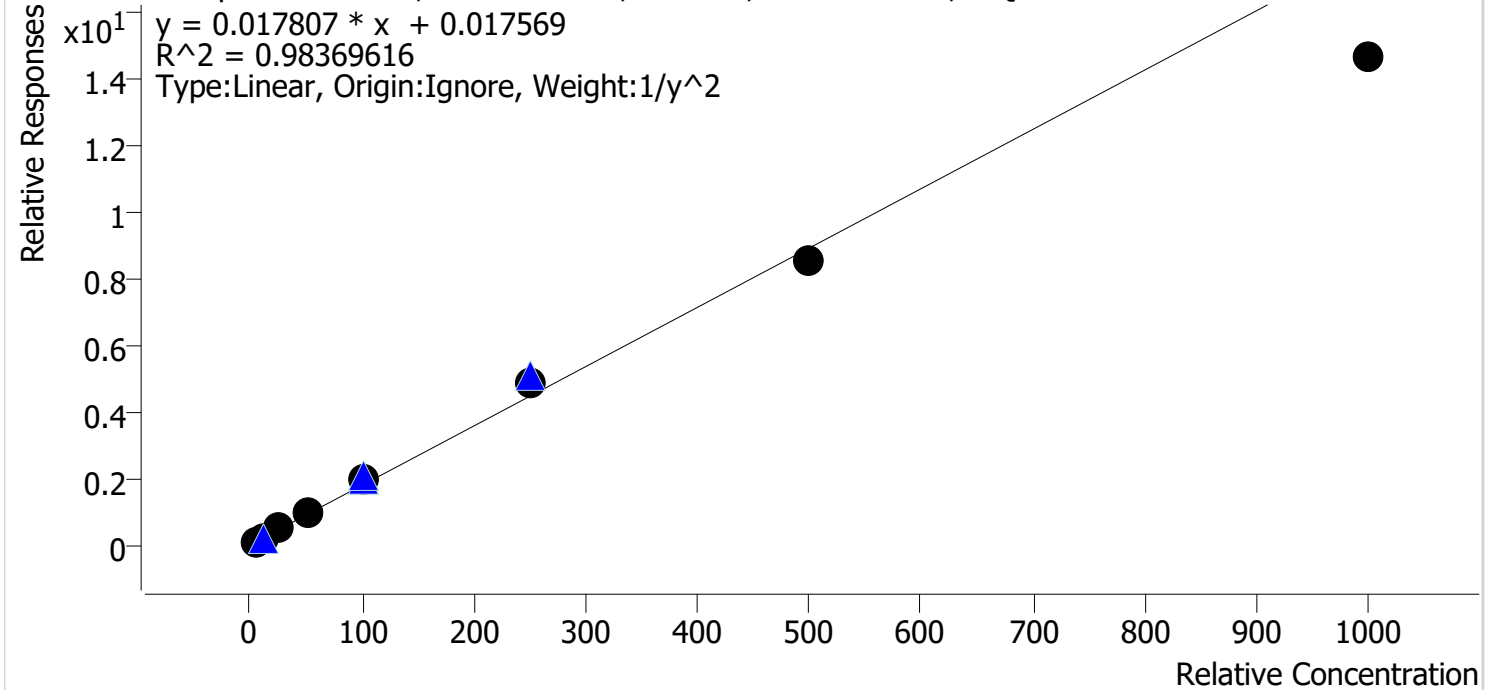


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.1
cal 2 mdq	2	✓	1.0	1.0	97.8
cal 3 mdq	3	✓	2.5	2.5	101.2
cal 4 mdq	4	✓	5.0	5.2	103.8
cal 5 mdq	5	✓	10.0	10.8	108.4
cal 6 mdqr	6	✓	25.0	25.5	101.8
cal 7 mdq	7	✓	50.0	47.6	95.3
cal 8 mdq	8	✓	100.0	91.6	91.6

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

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

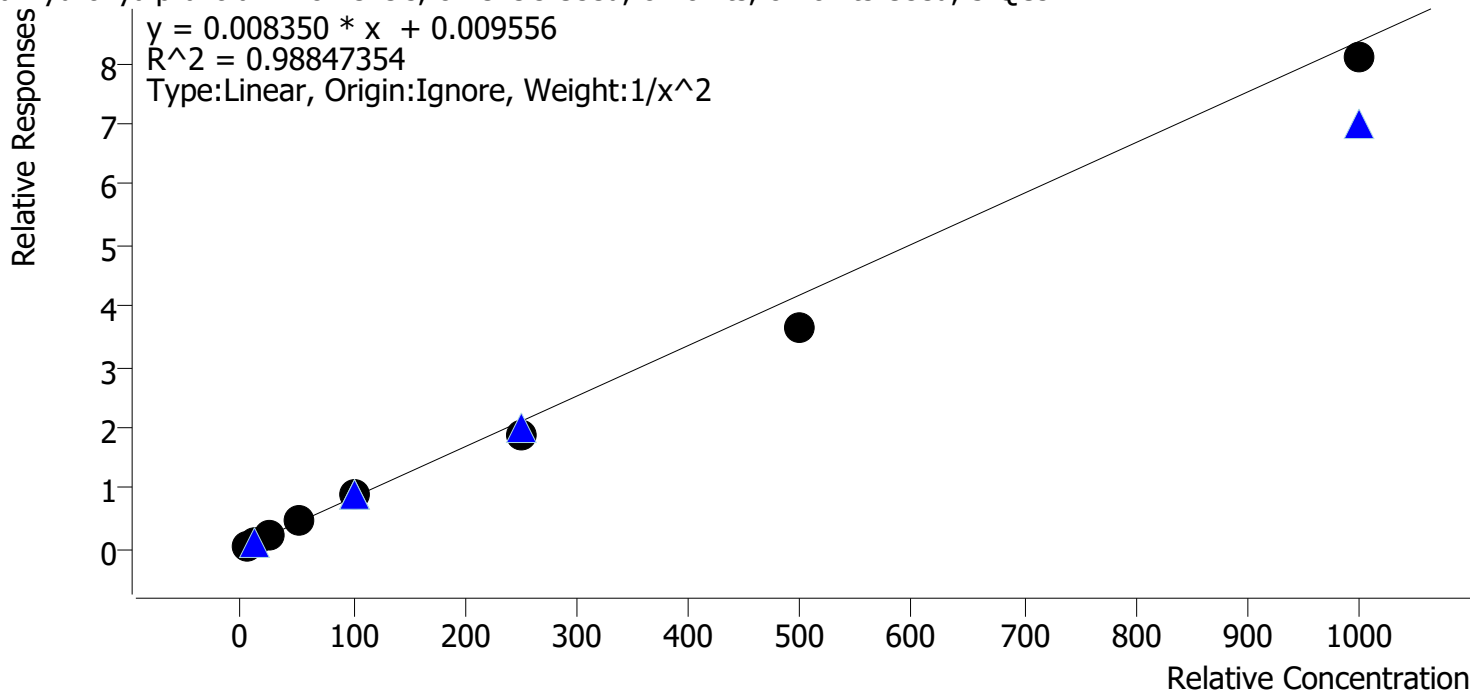


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.2
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	28.2	113.0
cal 4 mdq	4	✓	50.0	55.4	110.8
cal 5 mdq	5	✓	100.0	108.2	108.2
cal 6 mdqr	6	✓	250.0	273.3	109.3
cal 7 mdq	7	✓	500.0	476.1	95.2
cal 8 mdq	8	✓	1000.0	824.5	82.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Clonazepam-D4

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

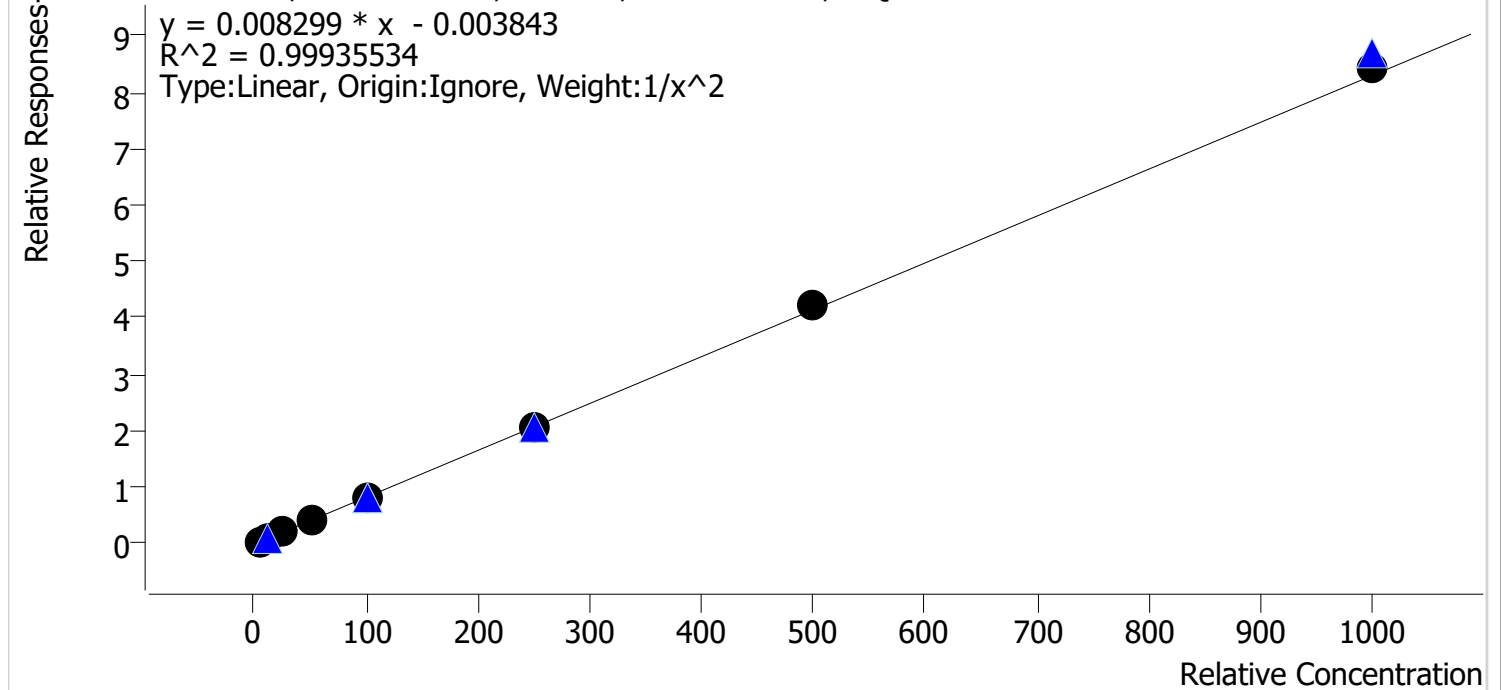


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	27.9	111.6
cal 4 mdq	4	✓	50.0	55.9	111.9
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdqr	6	✓	250.0	225.0	90.0
cal 7 mdq	7	✓	500.0	434.5	86.9
cal 8 mdq	8	✓	1000.0	968.0	96.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

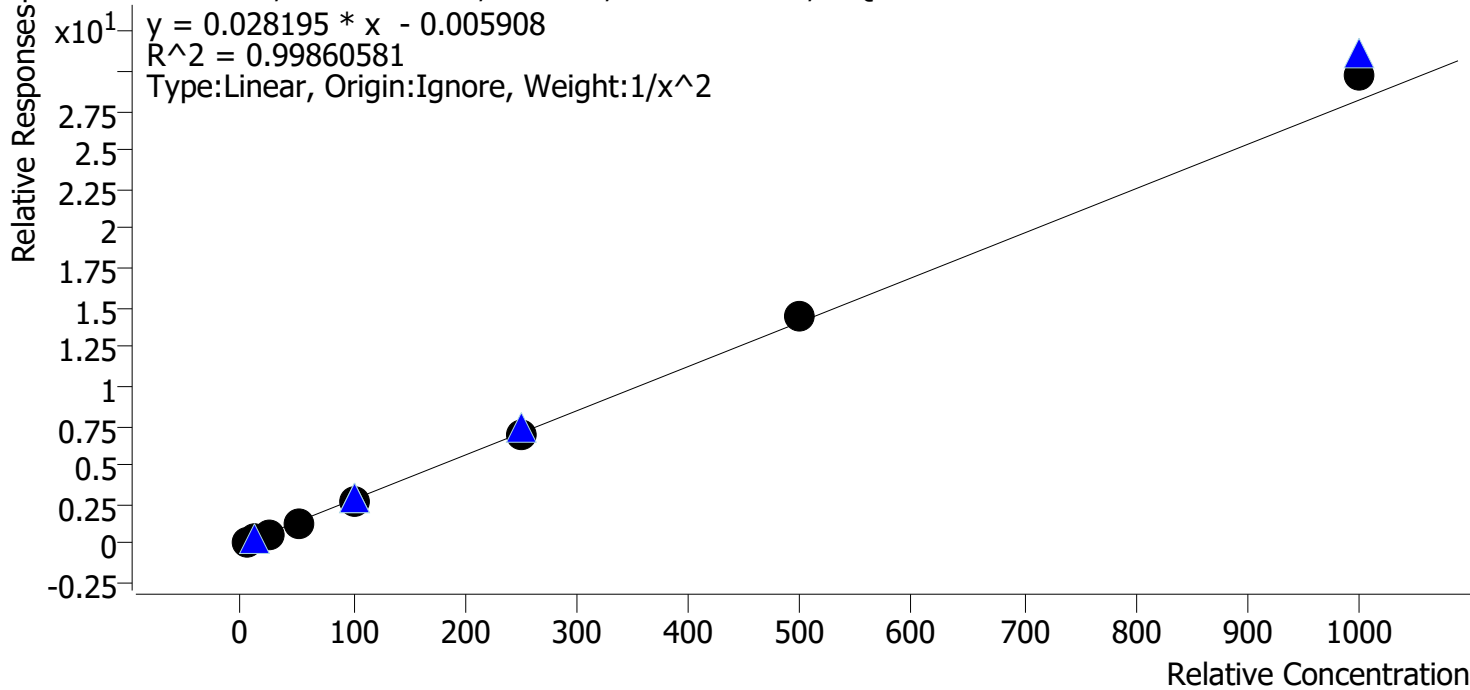


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	48.2	96.3
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdqr	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	513.1	102.6
cal 8 mdq	8	✓	1000.0	1014.5	101.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 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, 5 QCs

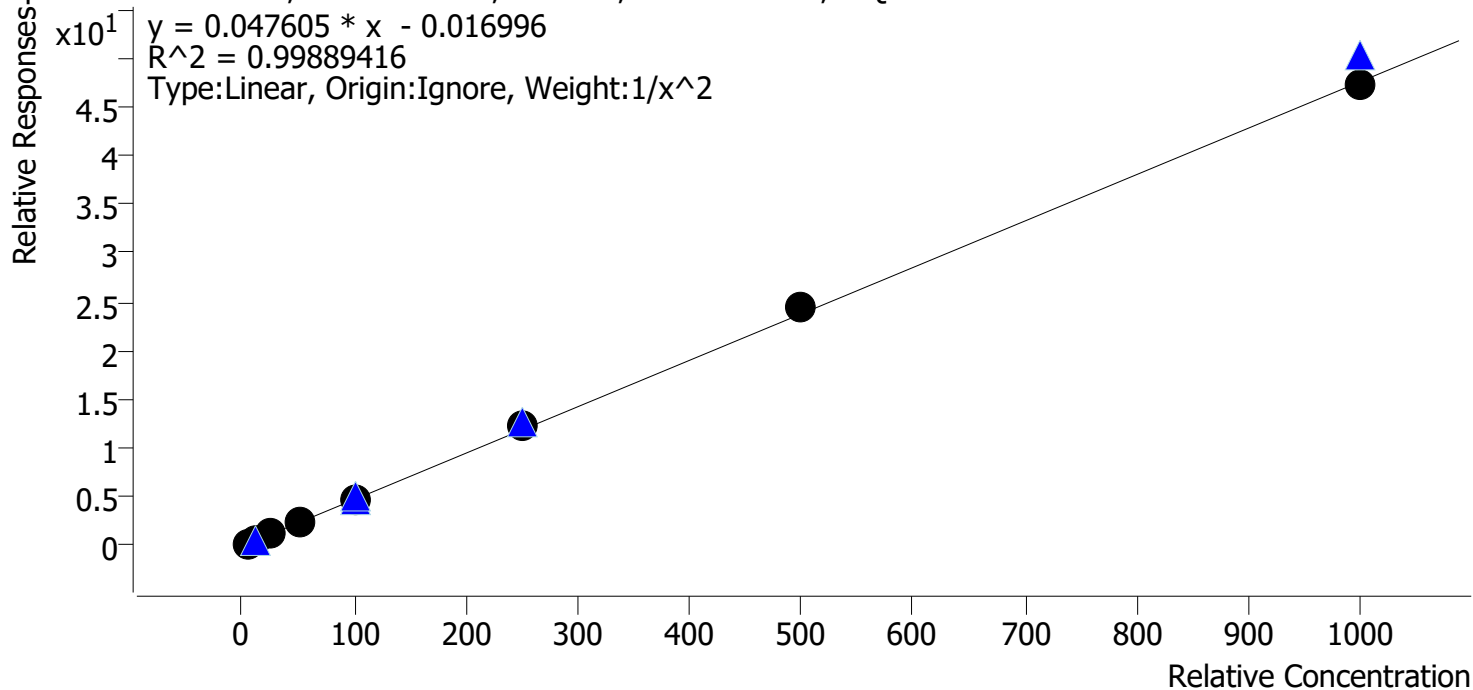


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	47.8	95.7
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdqr	6	✓	250.0	248.6	99.4
cal 7 mdq	7	✓	500.0	515.1	103.0
cal 8 mdq	8	✓	1000.0	1056.7	105.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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

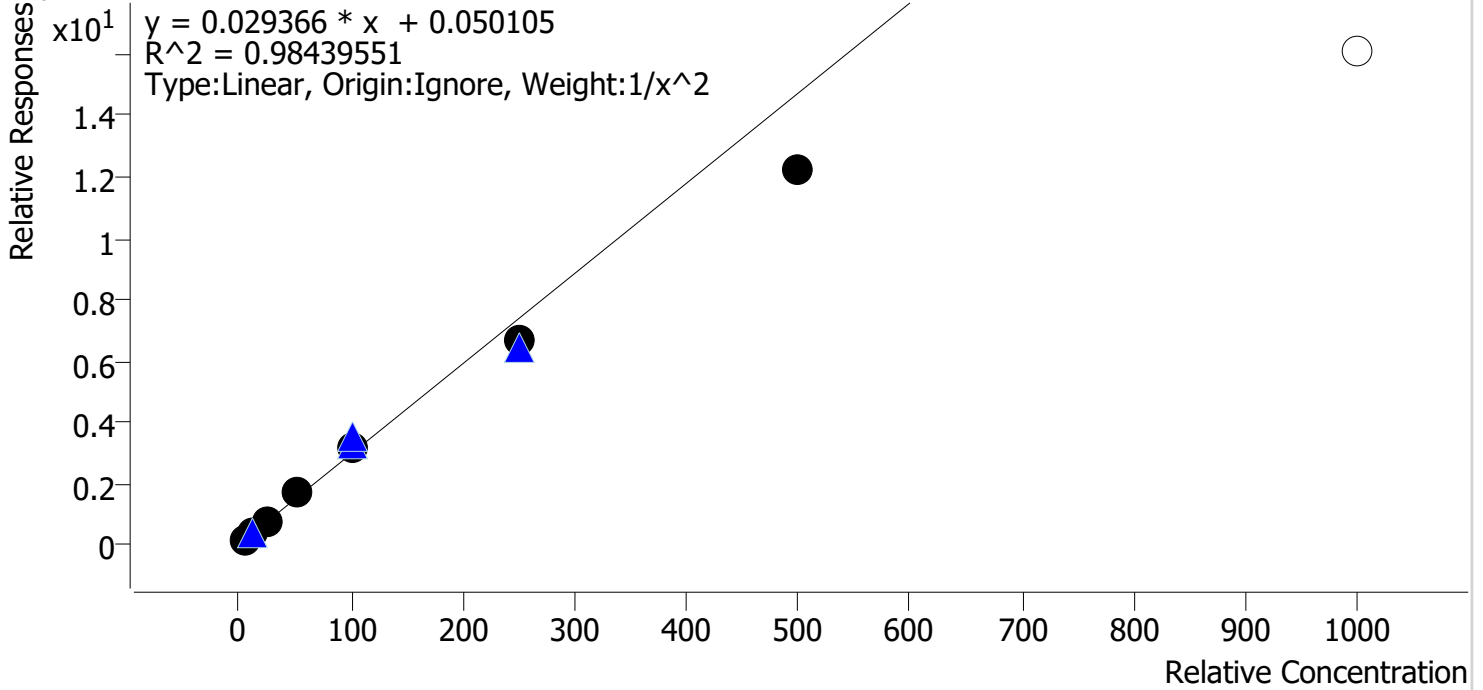


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	48.0	95.9
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdqr	6	✓	250.0	261.4	104.6
cal 7 mdq	7	✓	500.0	516.2	103.2
cal 8 mdq	8	✓	1000.0	997.2	99.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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

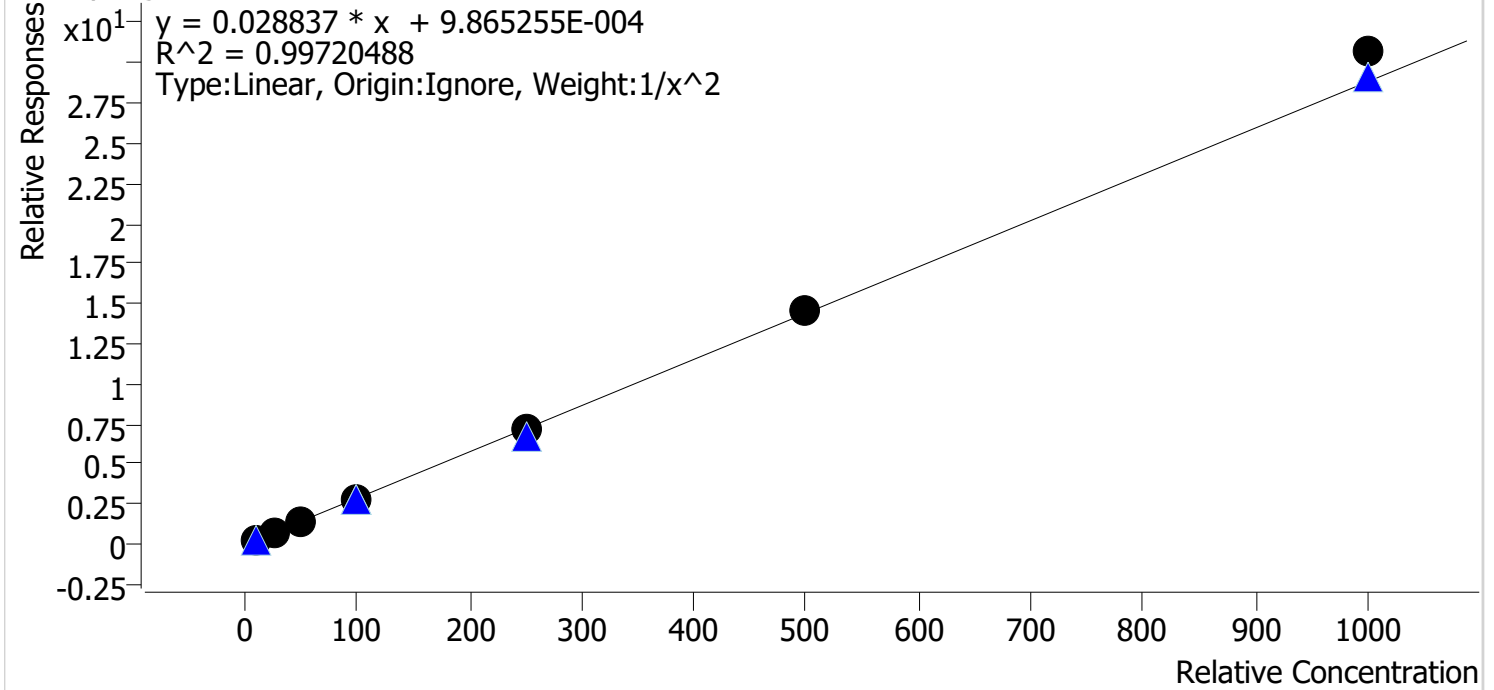


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.2
cal 2 mdq	2	✓	10.0	10.5	105.0
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	56.8	113.6
cal 5 mdq	5	✓	100.0	107.7	107.7
cal 6 mdqr	6	✓	250.0	227.0	90.8
cal 7 mdq	7	✓	500.0	416.1	83.2
cal 8 mdq	8	✗	1000.0	545.9	54.6

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Benzoylecgonine	Internal Standard	Benzoylecgonine-d8

Benzoylecgonine - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 5 QCs

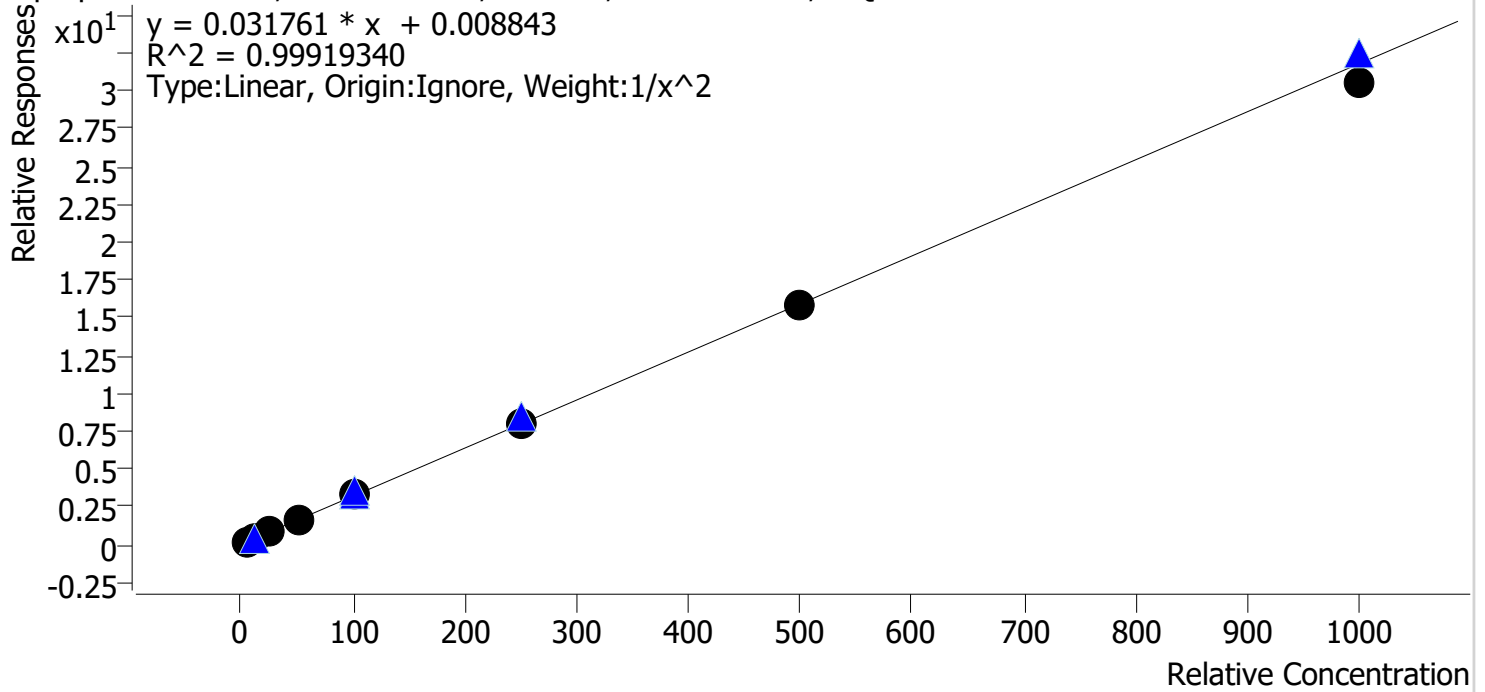


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	23.6	94.4
cal 4 mdq	4	✓	50.0	47.0	94.0
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdqr	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	508.4	101.7
cal 8 mdq	8	✓	1000.0	1064.7	106.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	104.4	104.4
cal 6 mdqr	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	963.7	96.4

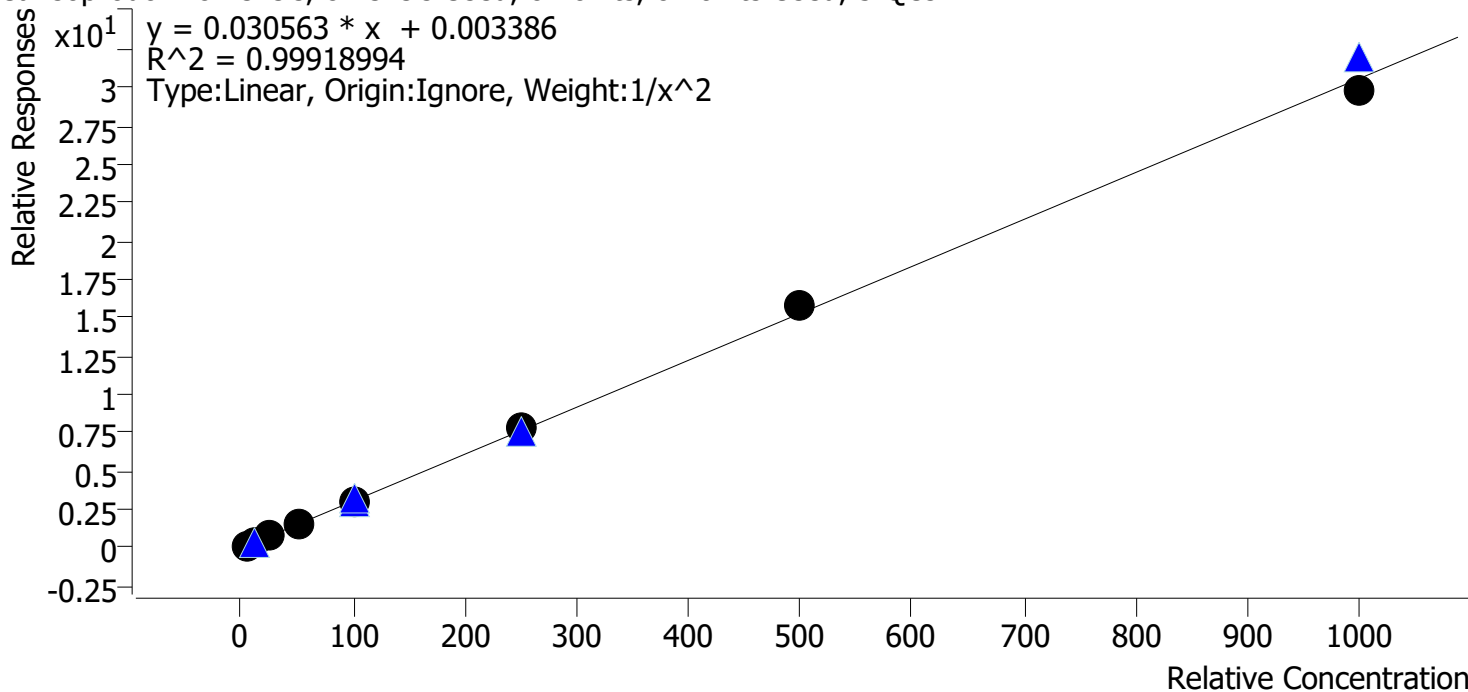
Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Carisoprodol

Internal Standard

Carisoprodol-D7

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

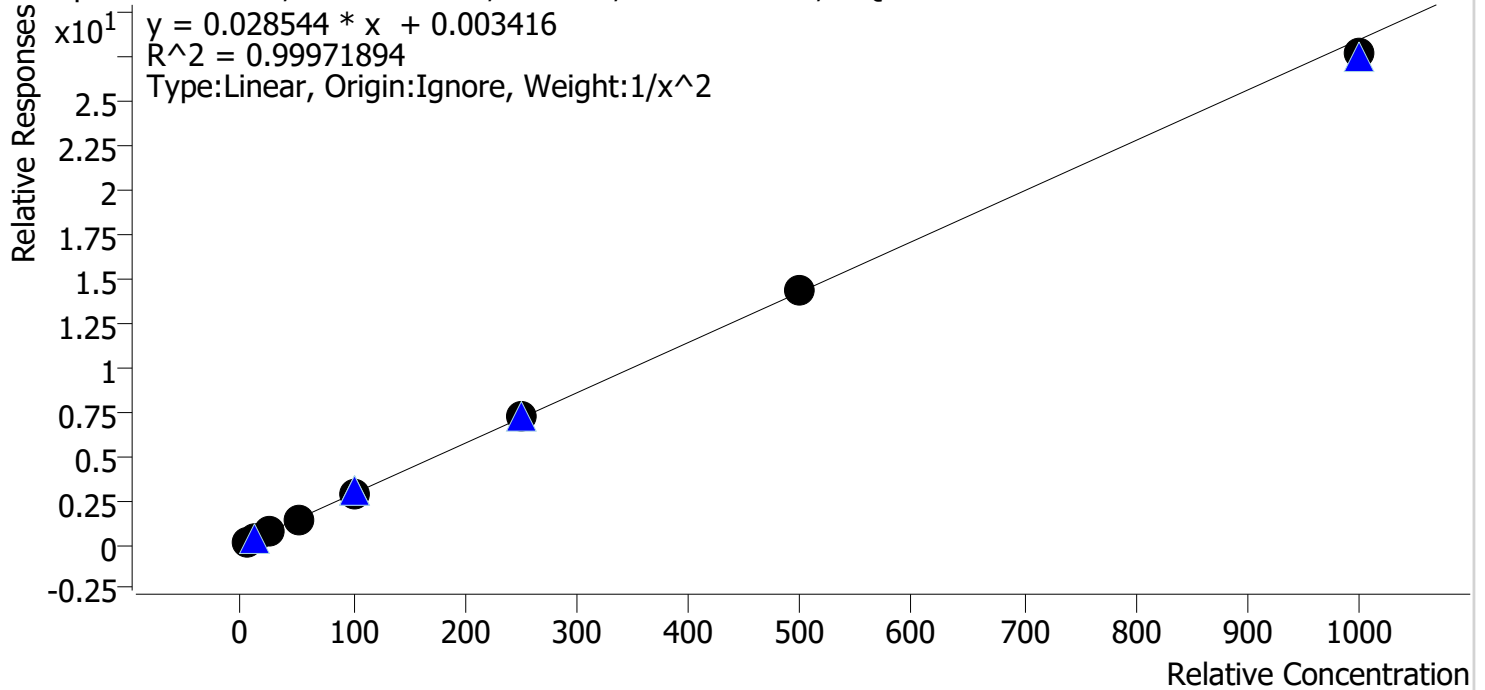


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdqr	6	✓	250.0	255.0	102.0
cal 7 mdq	7	✓	500.0	518.4	103.7
cal 8 mdq	8	✓	1000.0	971.8	97.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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

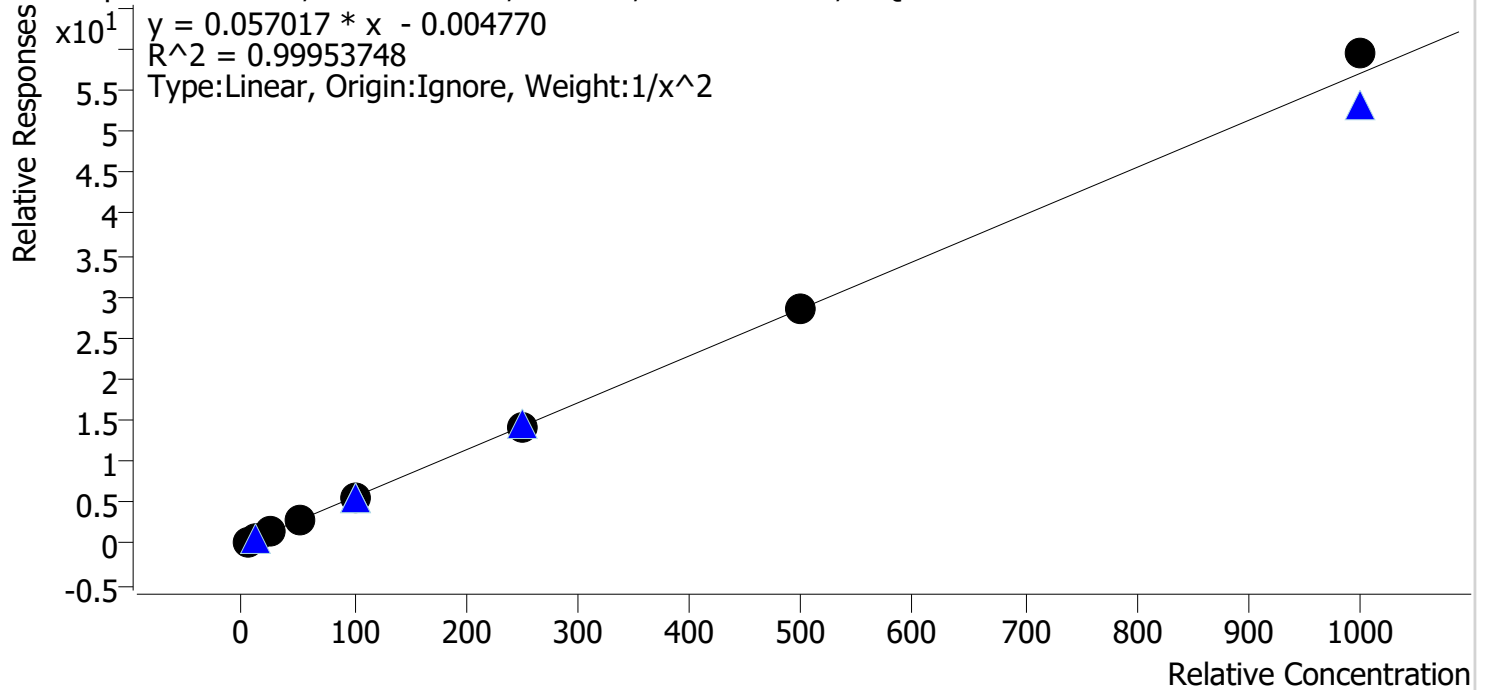


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdqr	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	500.3	100.1
cal 8 mdq	8	✓	1000.0	972.4	97.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

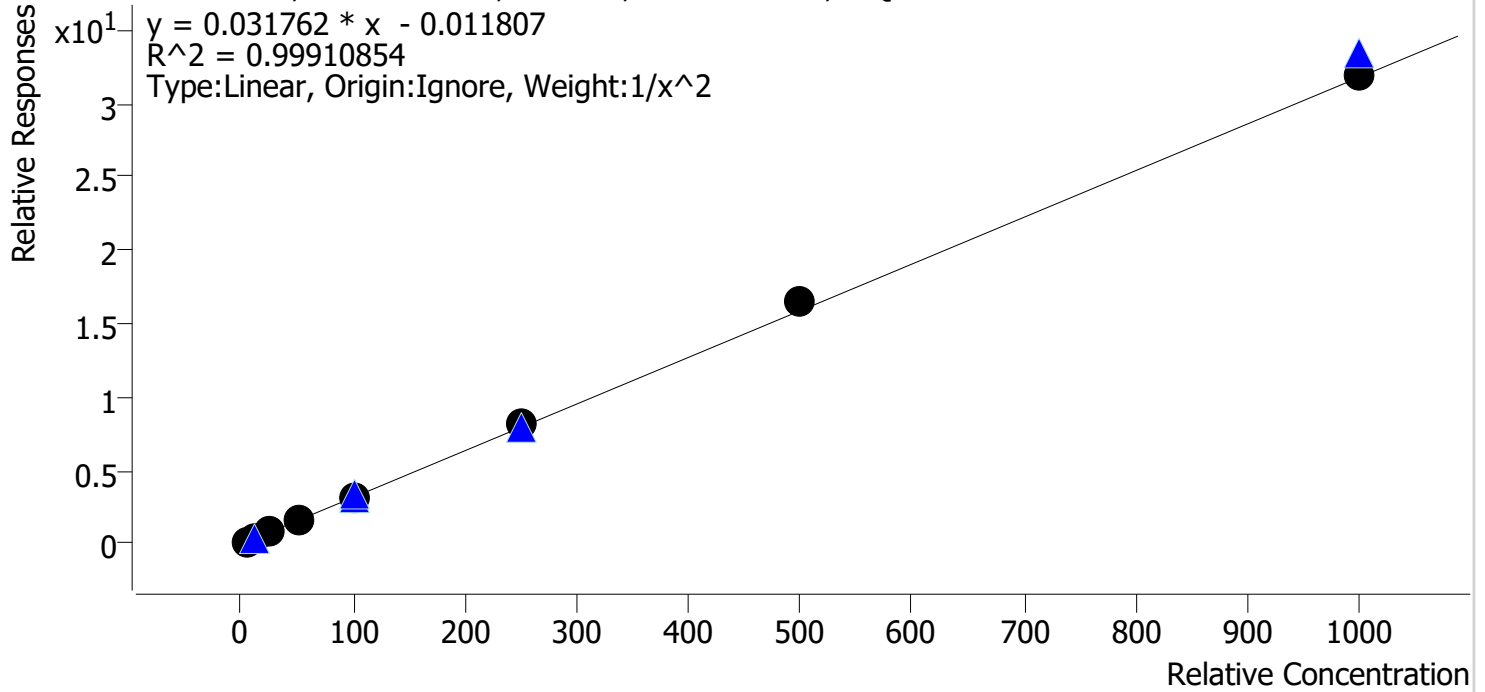


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdqr	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	501.4	100.3
cal 8 mdq	8	✓	1000.0	1042.0	104.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Clonazolam	Internal Standard	Nordiazepam-D5

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

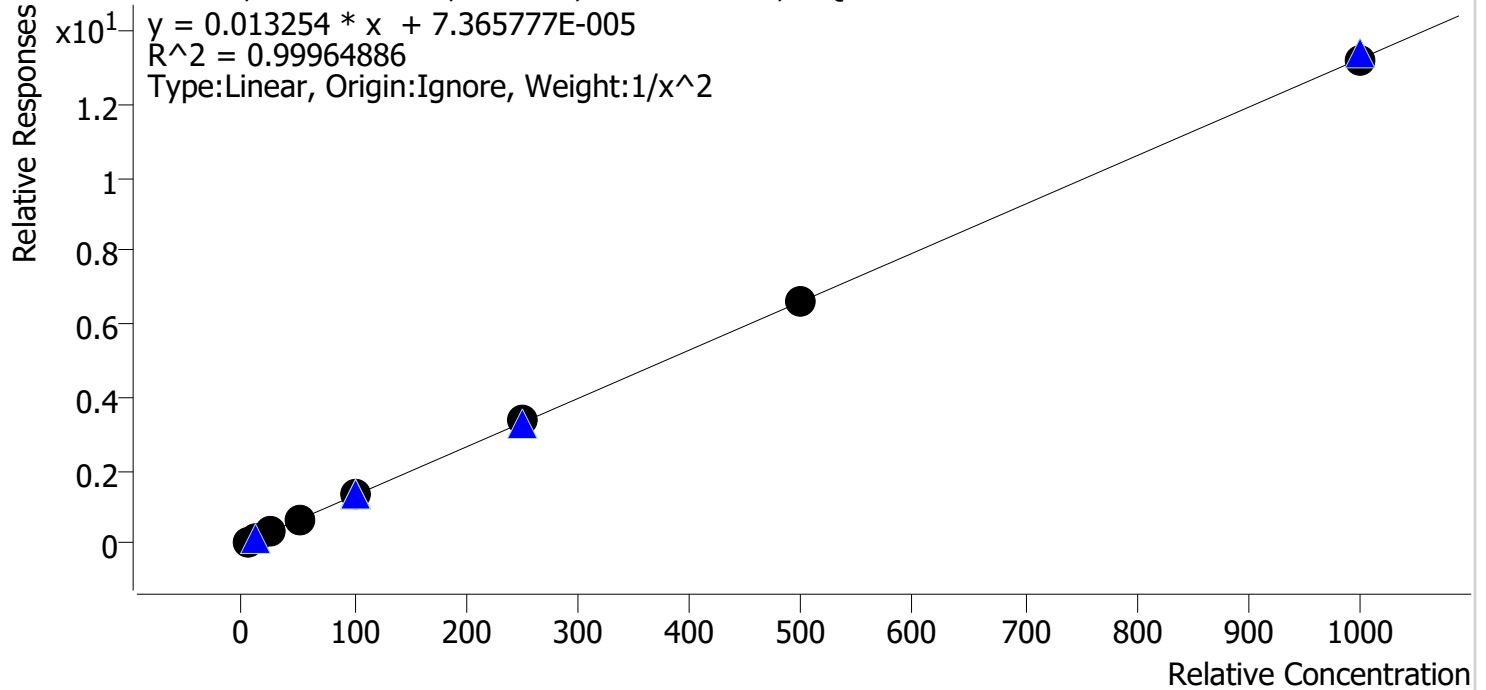


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	47.9	95.9
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdqr	6	✓	250.0	254.2	101.7
cal 7 mdq	7	✓	500.0	522.5	104.5
cal 8 mdq	8	✓	1000.0	1001.1	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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

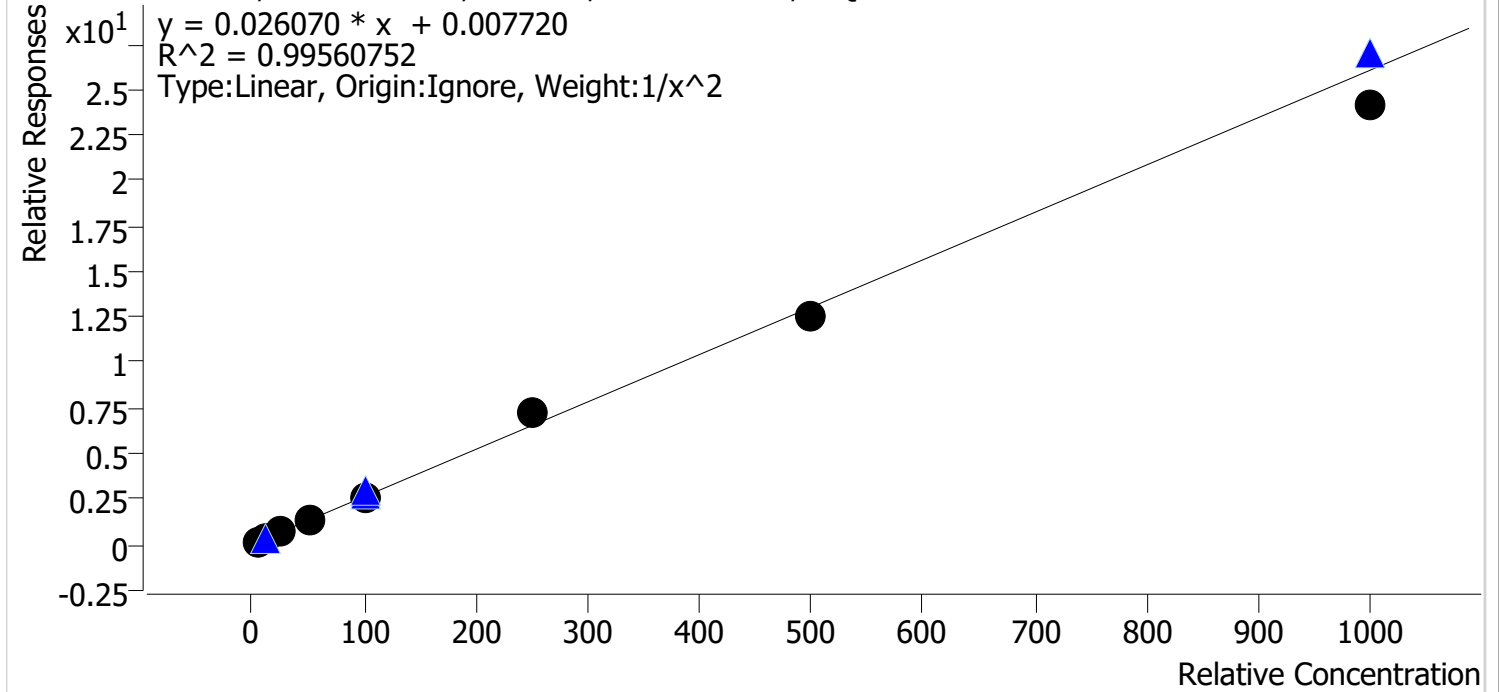


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdqr	6	✓	250.0	258.9	103.6
cal 7 mdq	7	✓	500.0	499.6	99.9
cal 8 mdq	8	✓	1000.0	996.3	99.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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

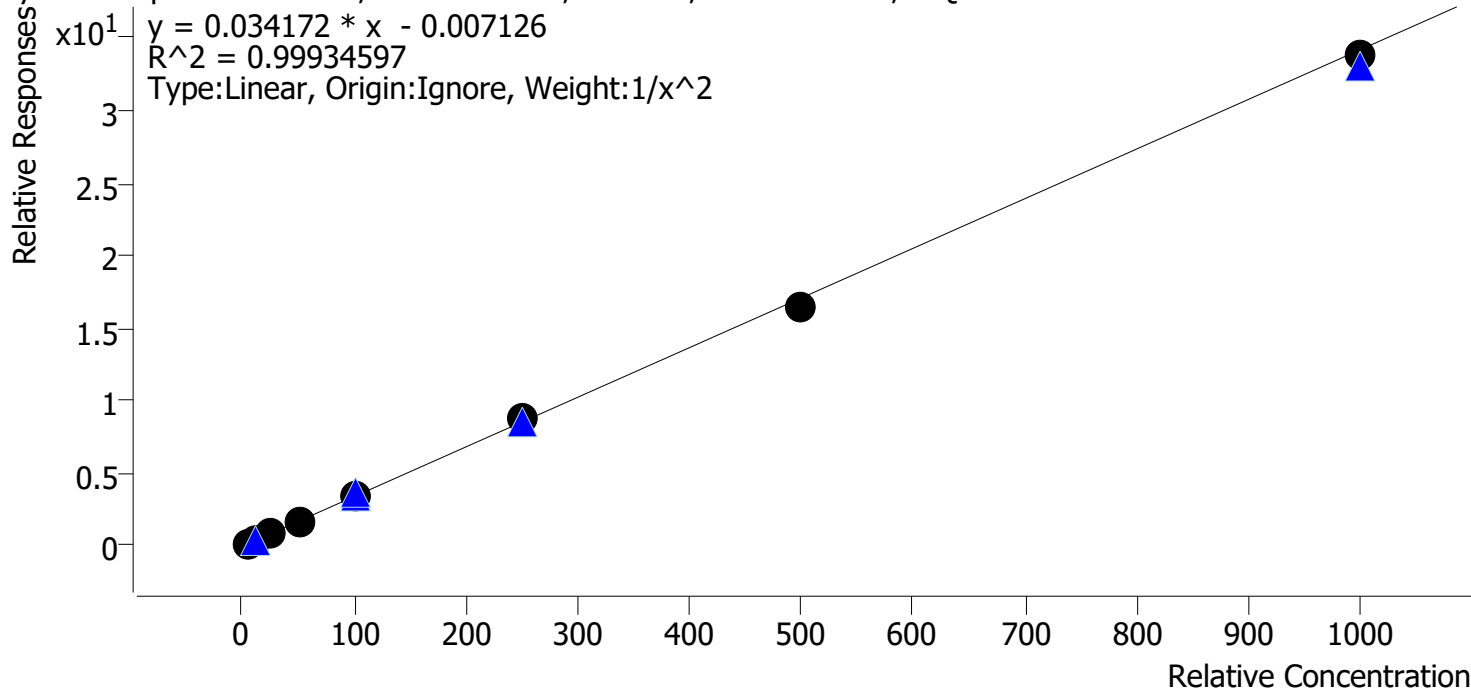


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdqr	6	✓	250.0	281.1	112.4
cal 7 mdq	7	✓	500.0	481.3	96.3
cal 8 mdq	8	✓	1000.0	923.1	92.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Cyclobenzaprine	Internal Standard	Cyclobenzaprine-D3

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

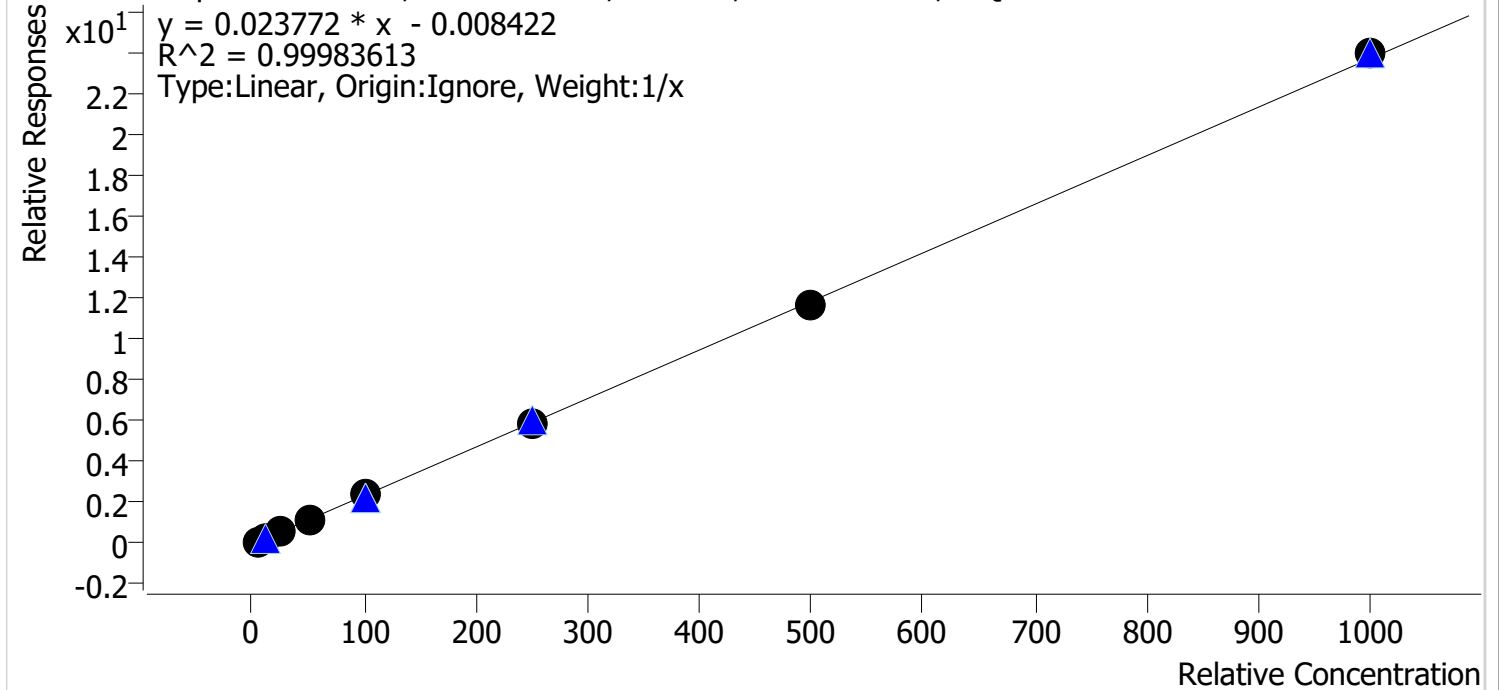


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdqr	6	✓	250.0	258.6	103.4
cal 7 mdq	7	✓	500.0	479.0	95.8
cal 8 mdq	8	✓	1000.0	988.2	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

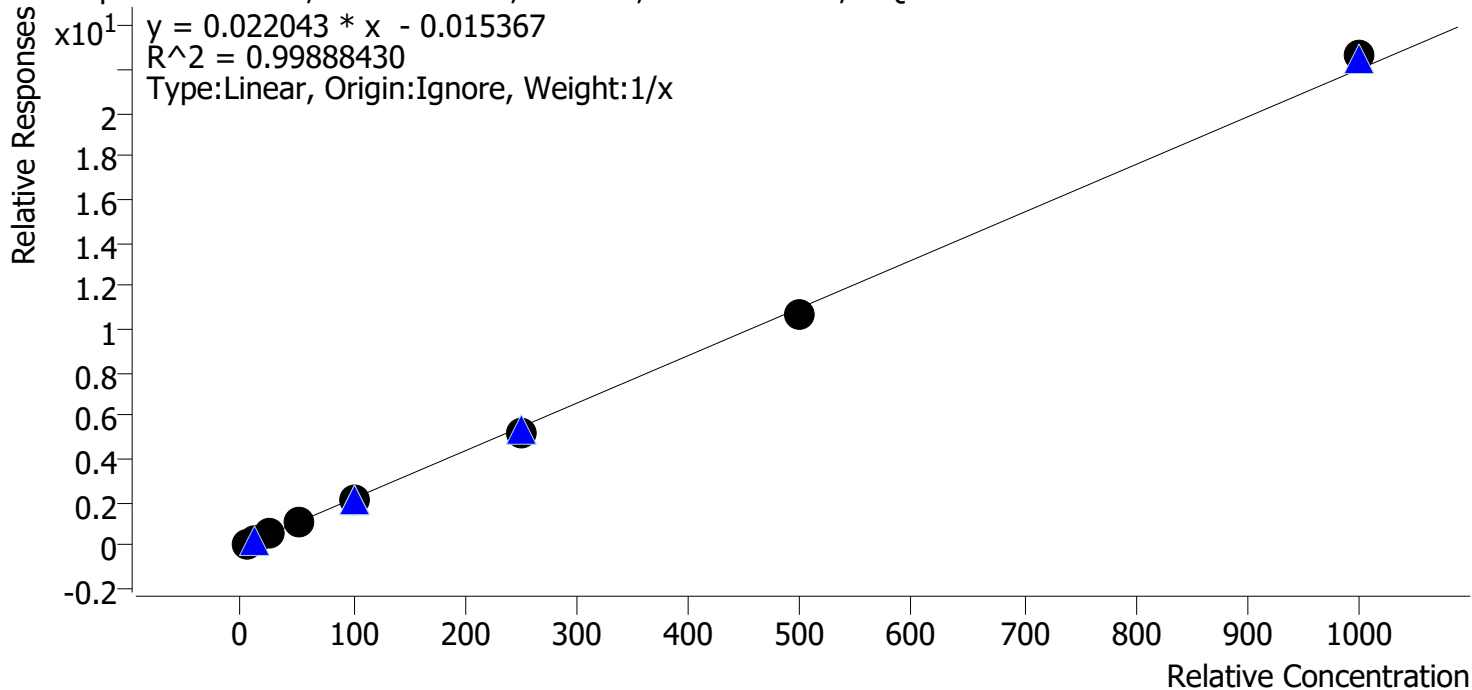


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdqr	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	490.6	98.1
cal 8 mdq	8	✓	1000.0	1008.2	100.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



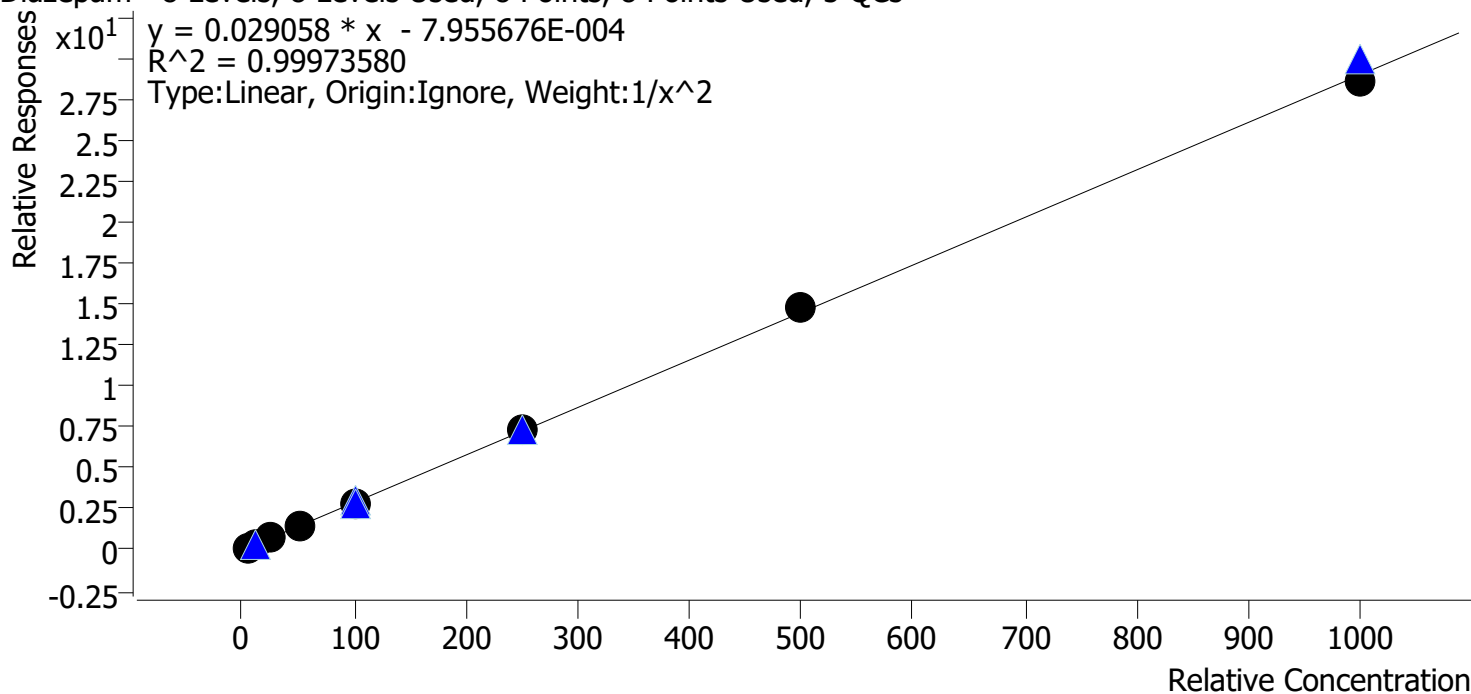
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.9
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	24.2	96.6
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	96.8	96.8
cal 6 mdqr	6	✓	250.0	236.6	94.7
cal 7 mdq	7	✓	500.0	489.0	97.8
cal 8 mdq	8	✓	1000.0	1028.5	102.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Diazepam

Internal Standard Diazepam-D5

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

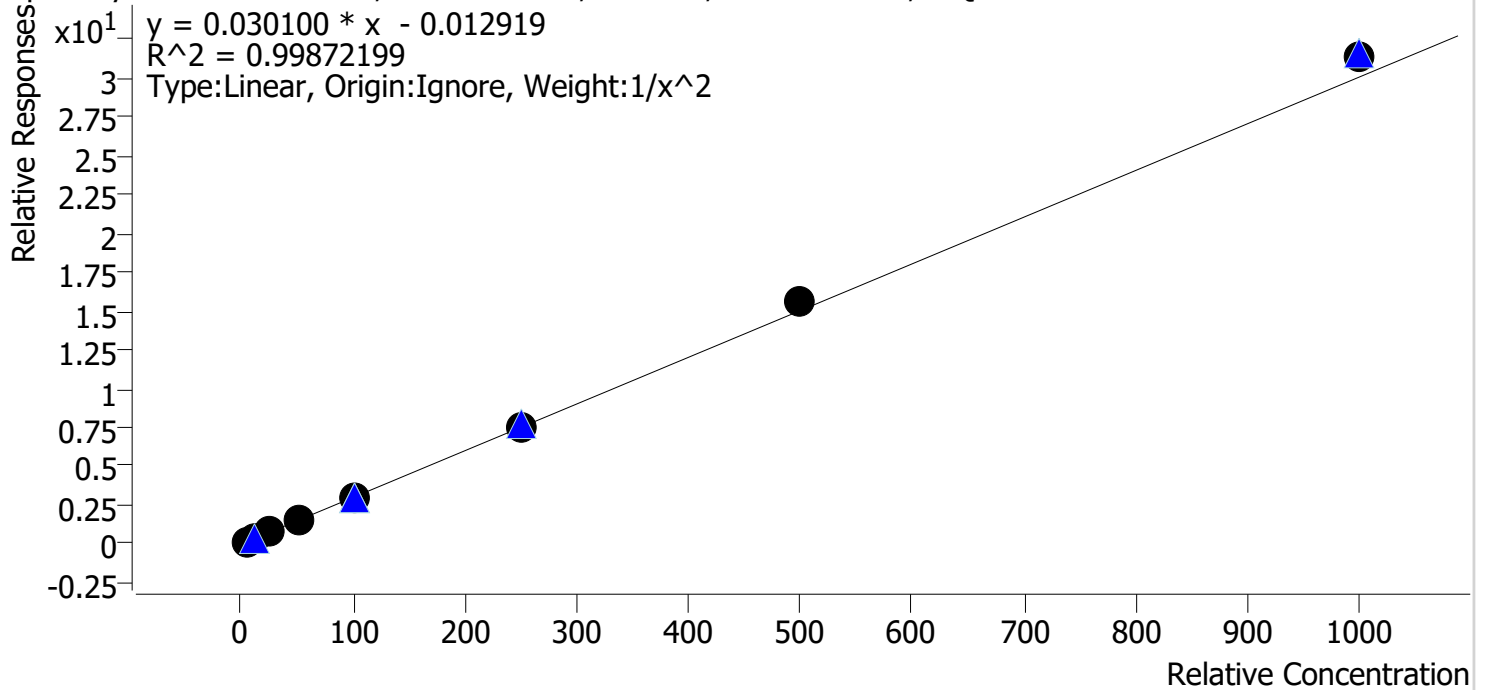


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdqr	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	510.5	102.1
cal 8 mdq	8	✓	1000.0	987.3	98.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

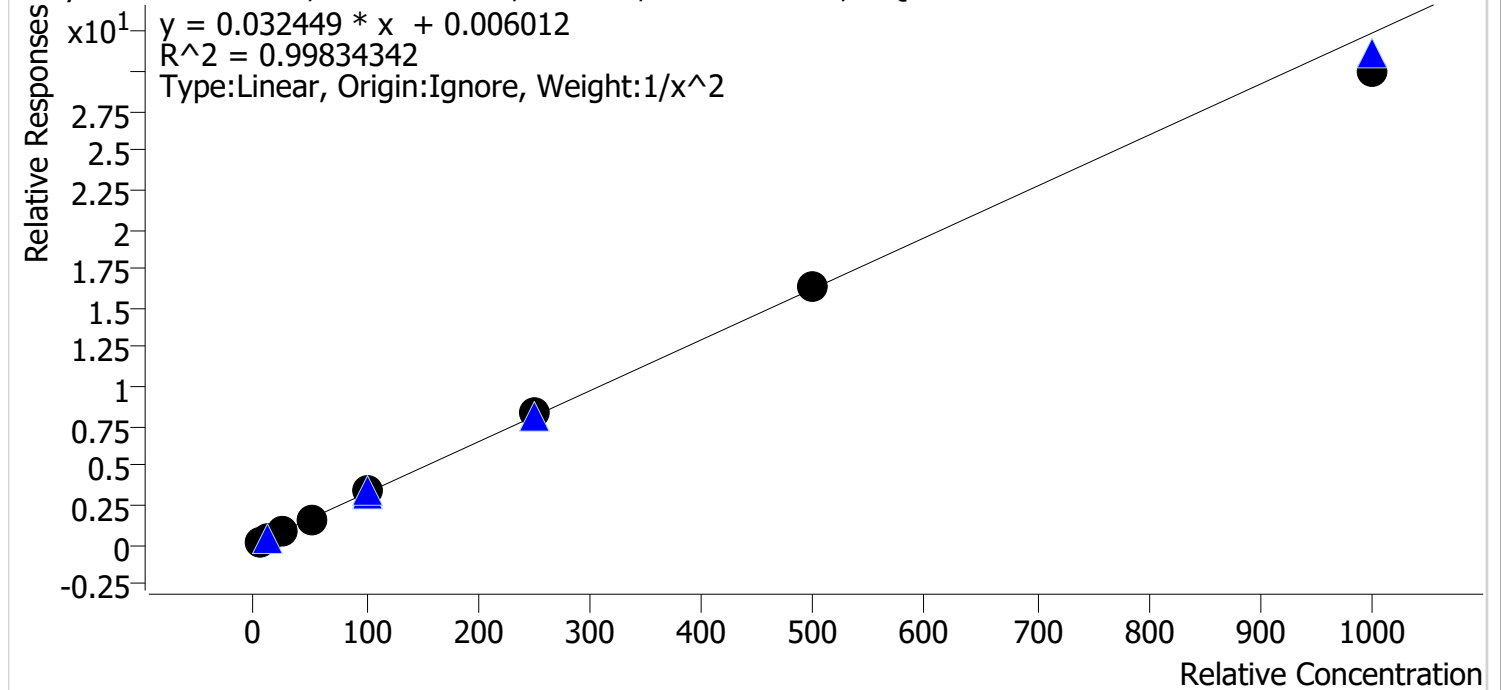


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	24.2	96.6
cal 4 mdq	4	✓	50.0	48.0	95.9
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdqr	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	518.9	103.8
cal 8 mdq	8	✓	1000.0	1042.9	104.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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

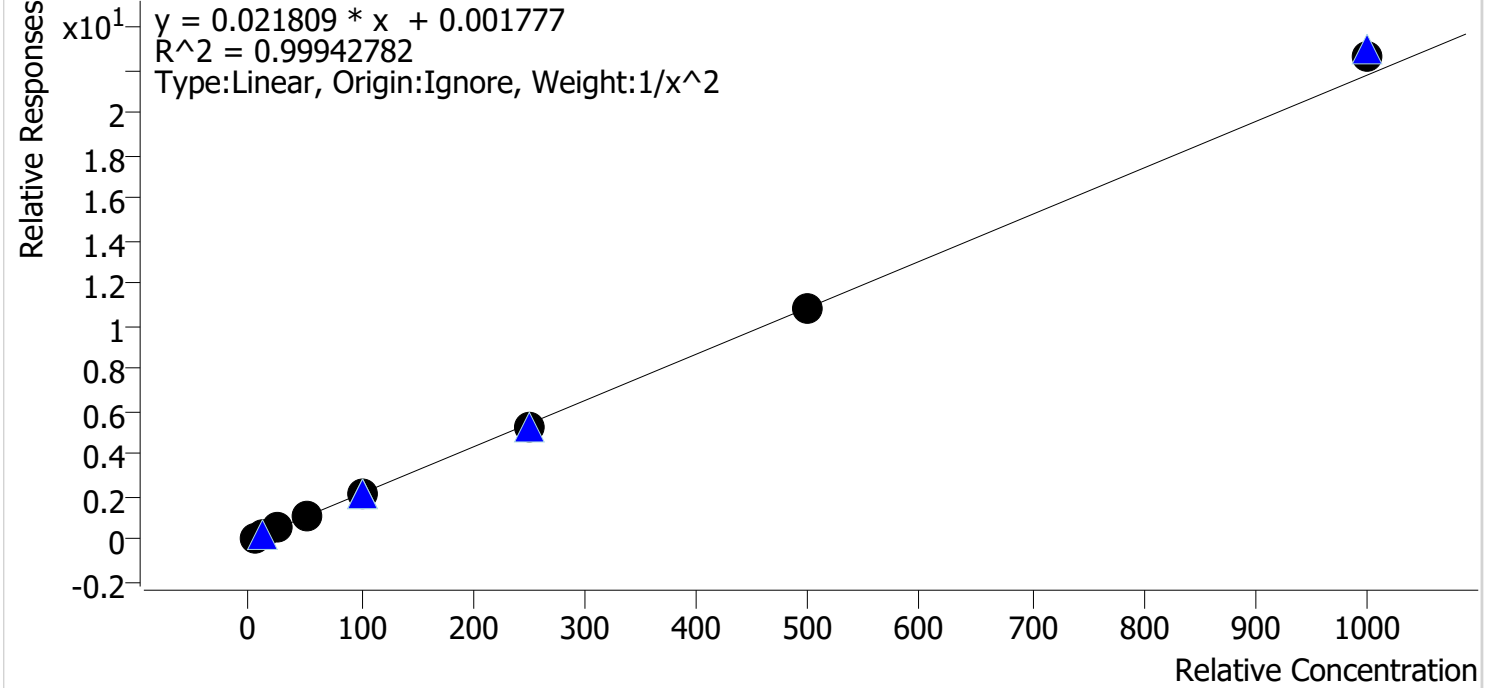


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdqr	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	504.8	101.0
cal 8 mdq	8	✓	1000.0	921.8	92.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

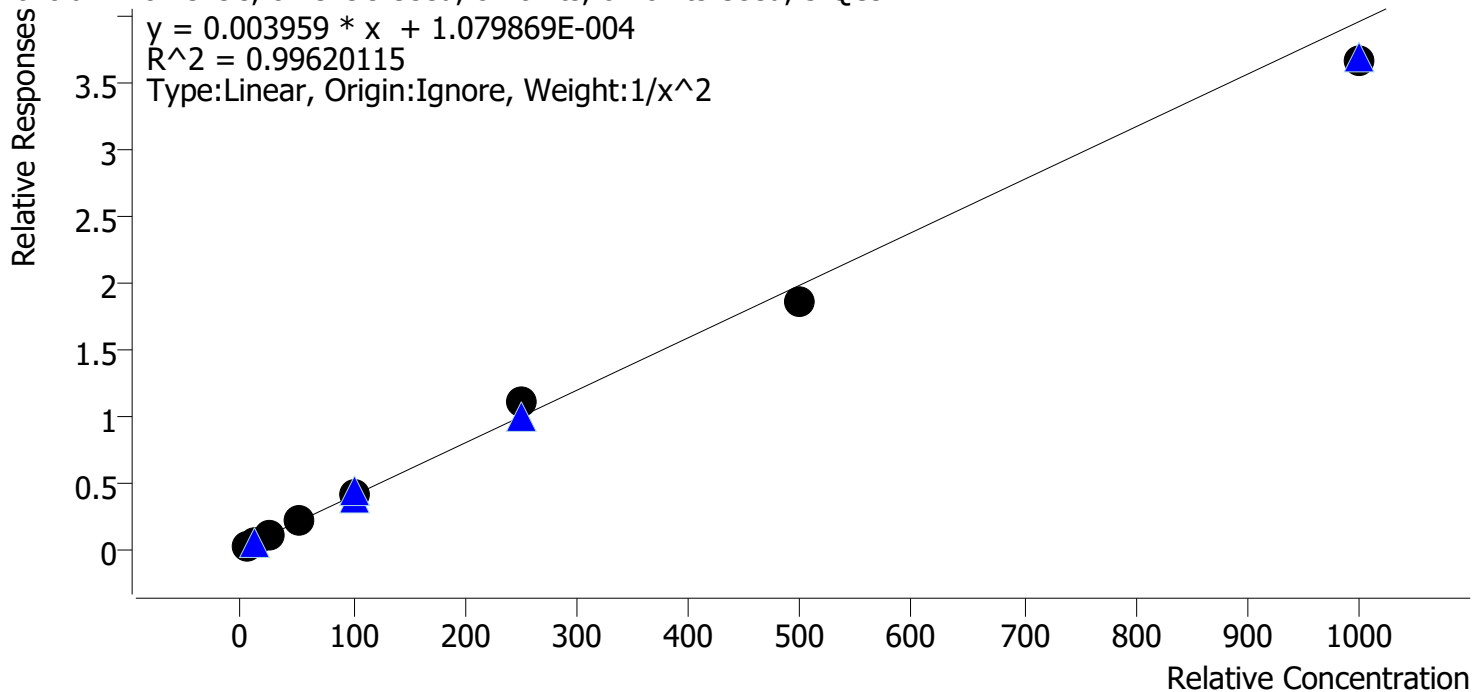


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdqr	6	✓	250.0	243.9	97.6
cal 7 mdq	7	✓	500.0	500.4	100.1
cal 8 mdq	8	✓	1000.0	1043.2	104.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Diazepam-D5

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

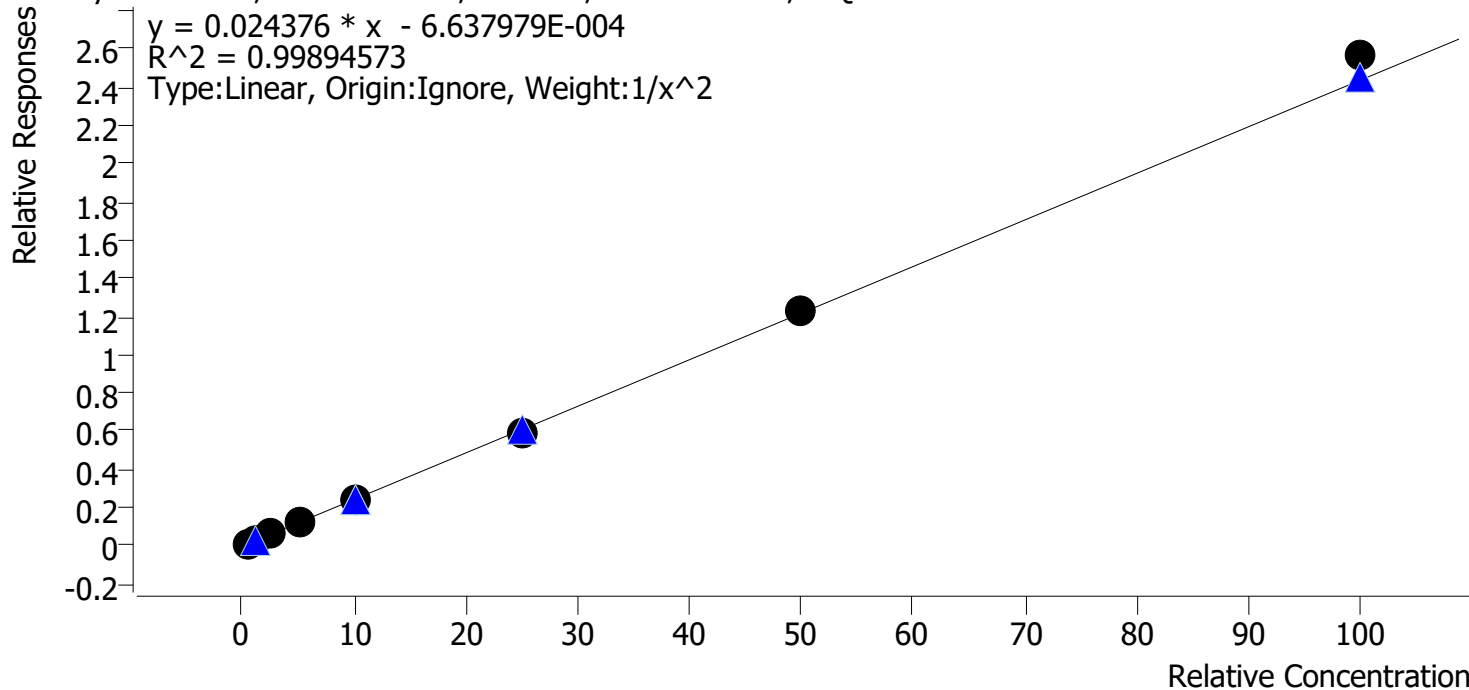


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdqr	6	✓	250.0	276.2	110.5
cal 7 mdq	7	✓	500.0	469.7	93.9
cal 8 mdq	8	✓	1000.0	928.9	92.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

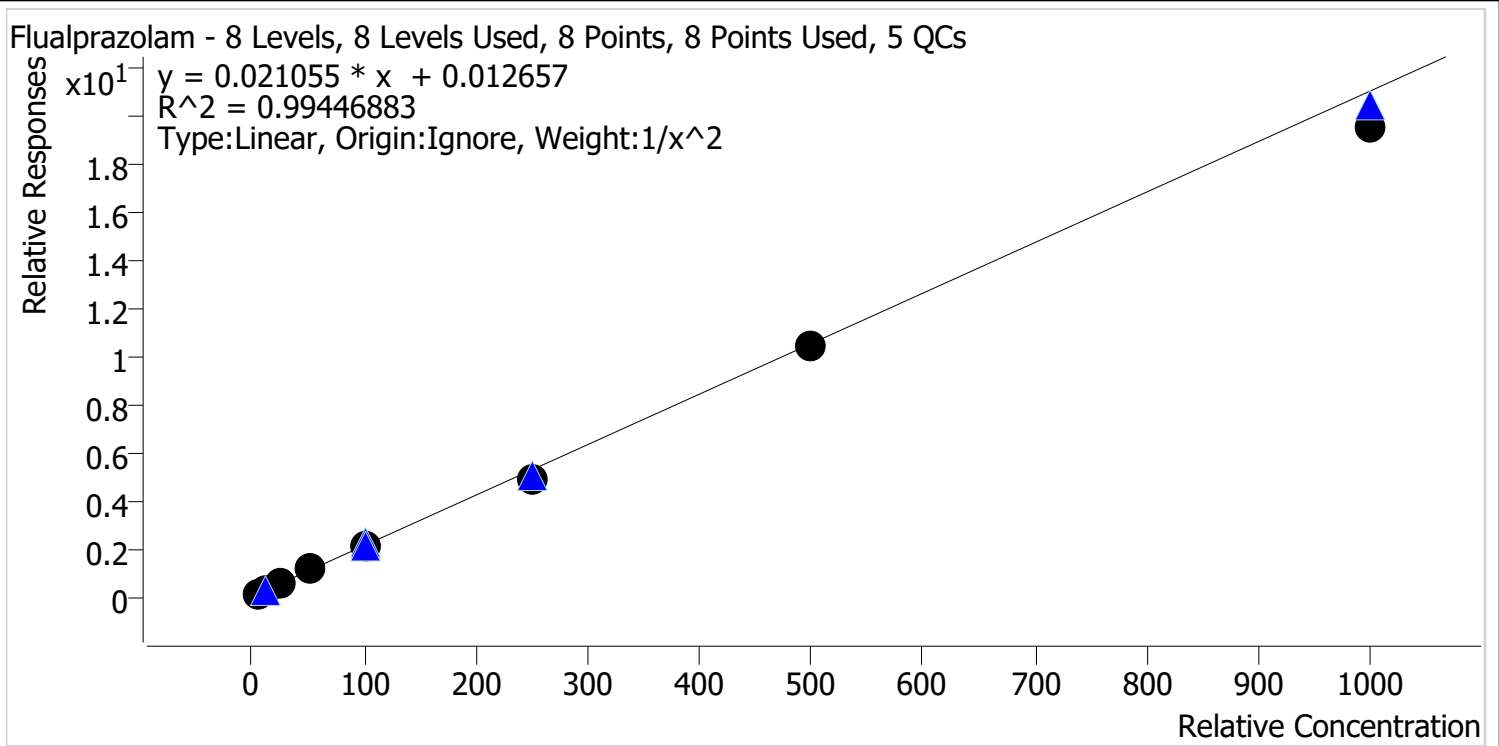
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.5
cal 2 mdq	2	✓	1.0	1.0	102.7
cal 3 mdq	3	✓	2.5	2.4	97.1
cal 4 mdq	4	✓	5.0	4.9	97.7
cal 5 mdq	5	✓	10.0	9.9	98.7
cal 6 mdqr	6	✓	25.0	24.5	98.0
cal 7 mdq	7	✓	50.0	50.5	101.0
cal 8 mdq	8	✓	100.0	105.3	105.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Nordiazepam-D5

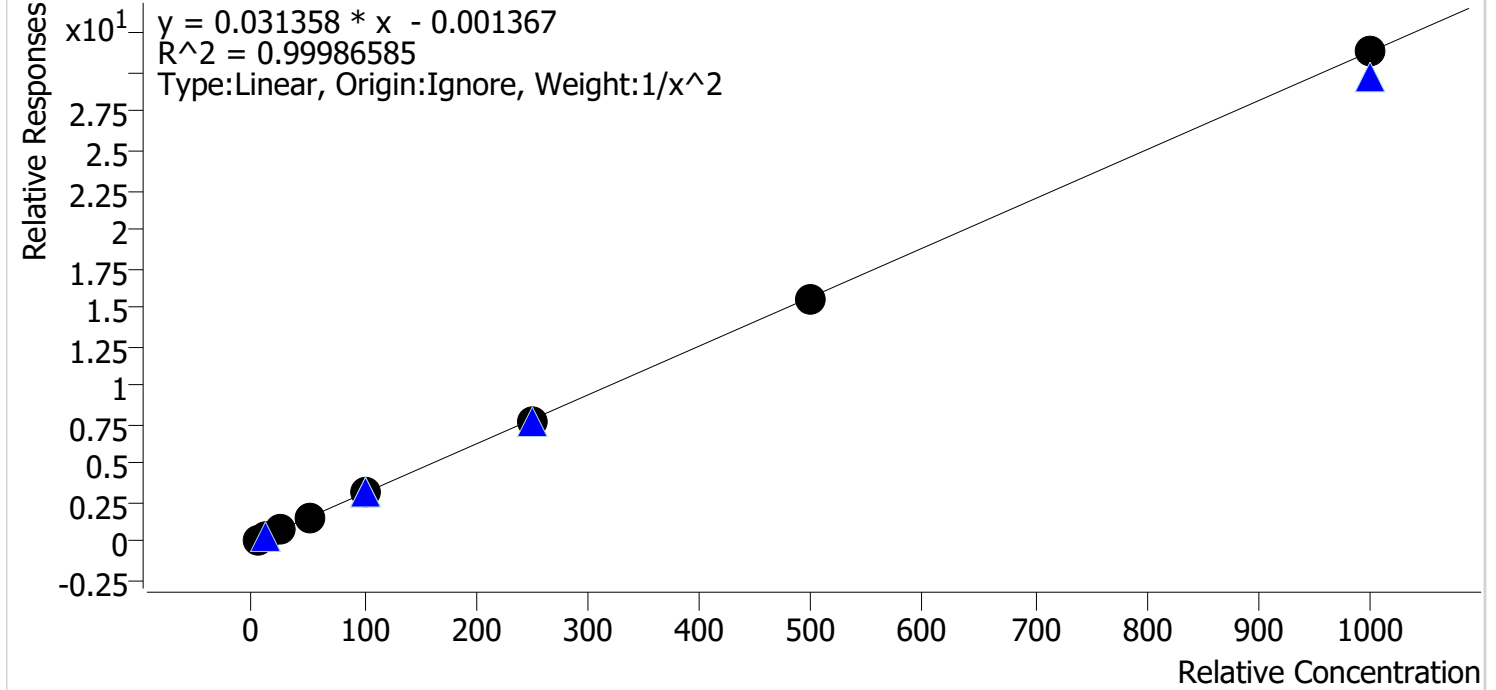


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.5	104.6
cal 3 mdq	3	✓	25.0	27.4	109.7
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdqr	6	✓	250.0	231.1	92.4
cal 7 mdq	7	✓	500.0	492.5	98.5
cal 8 mdq	8	✓	1000.0	925.8	92.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

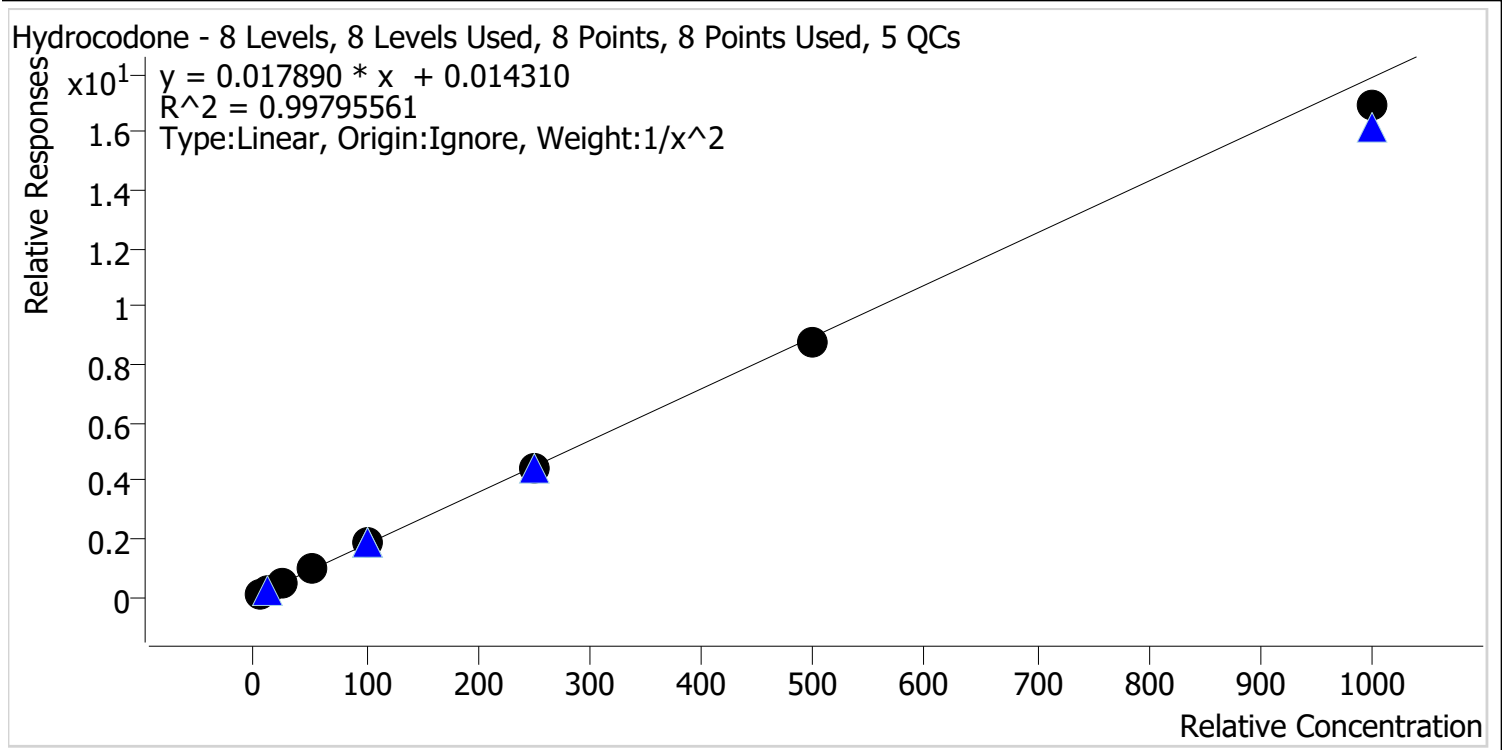
Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdqr	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	497.3	99.5
cal 8 mdq	8	✓	1000.0	1000.2	100.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

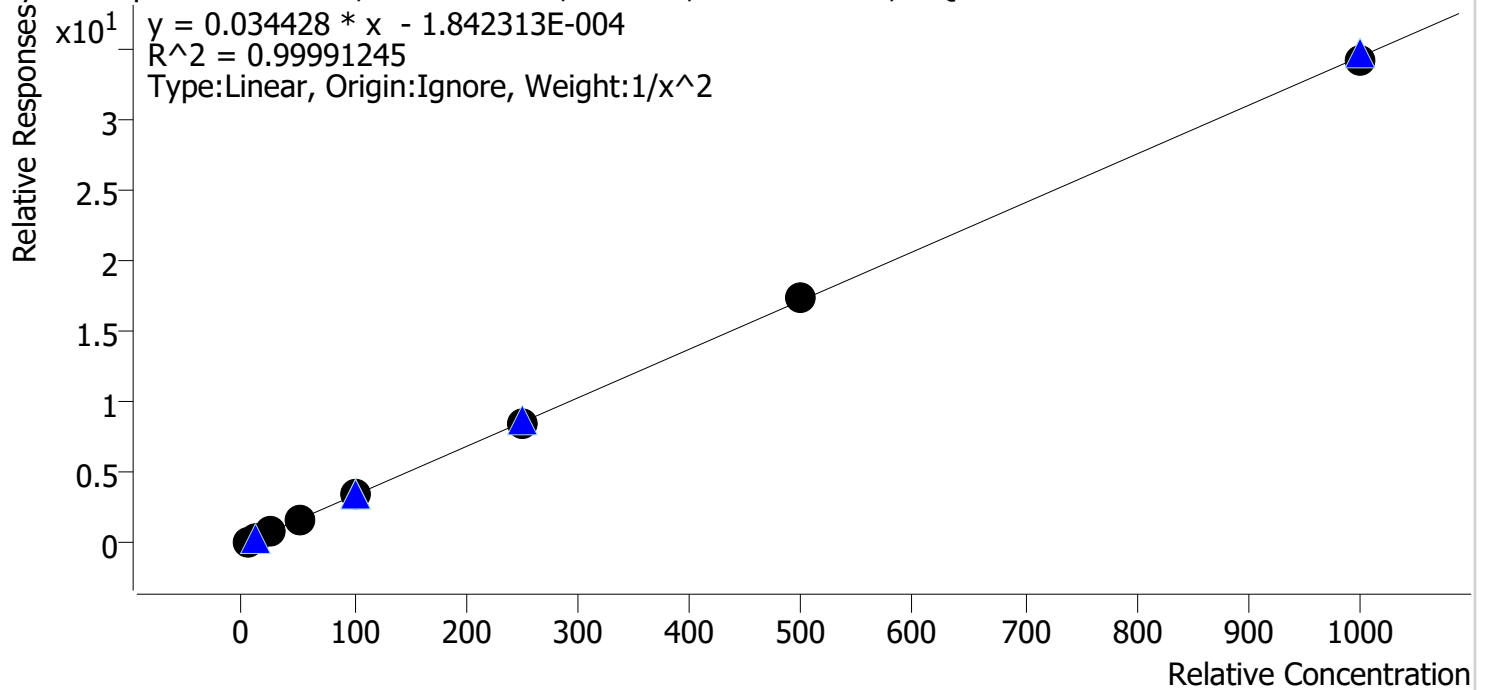


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	26.9	107.4
cal 4 mdq	4	✓	50.0	51.3	102.6
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdqr	6	✓	250.0	243.8	97.5
cal 7 mdq	7	✓	500.0	489.3	97.9
cal 8 mdq	8	✓	1000.0	945.7	94.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

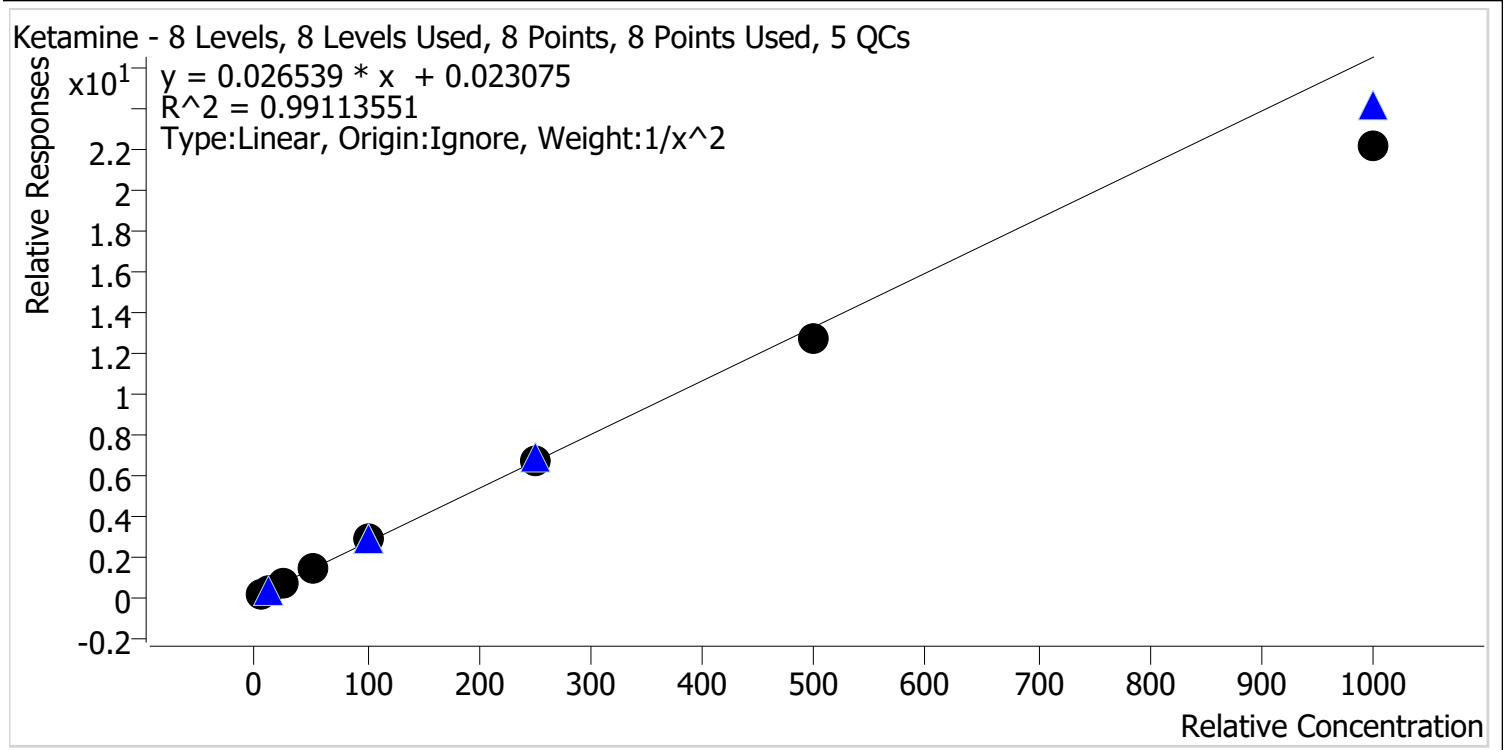
Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	49.4	98.7
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdqr	6	✓	250.0	249.9	99.9
cal 7 mdq	7	✓	500.0	502.7	100.5
cal 8 mdq	8	✓	1000.0	990.6	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

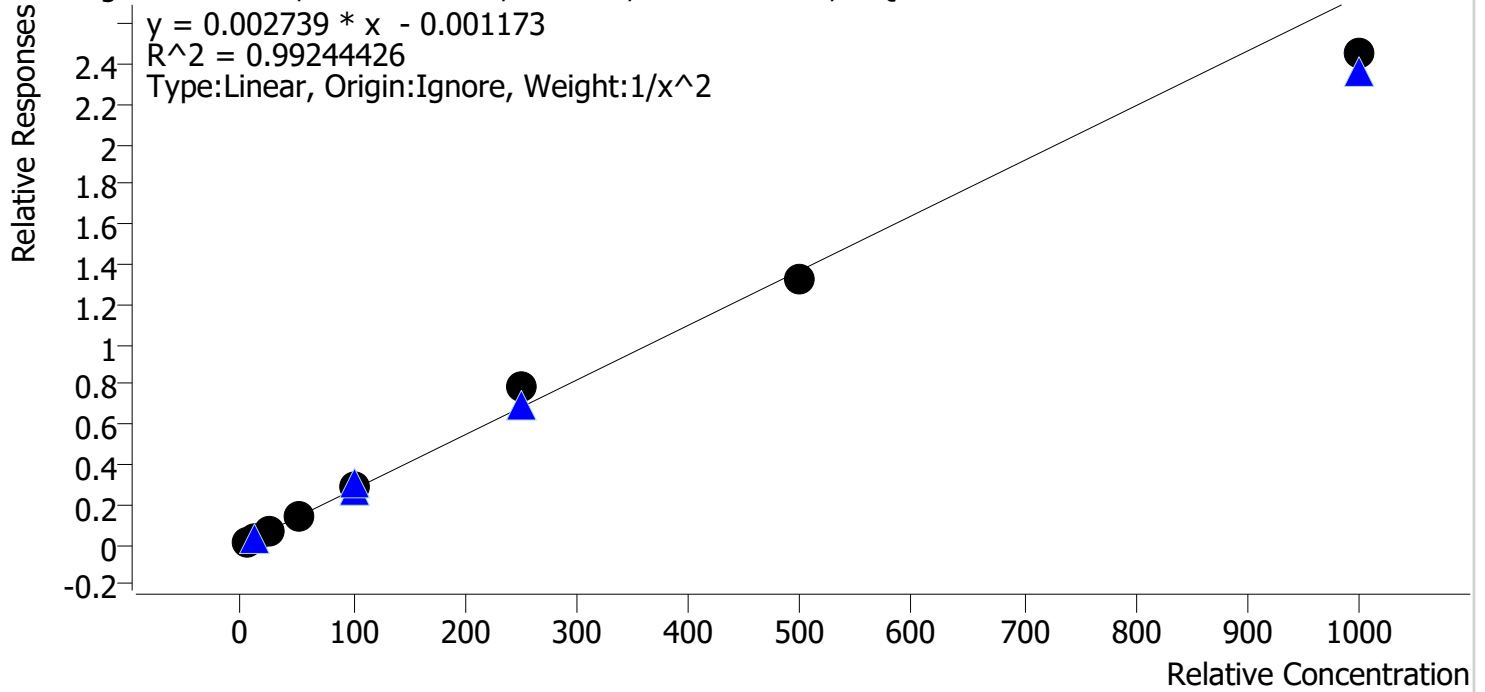


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.6
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	26.8	107.0
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	107.0	107.0
cal 6 mdqr	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	475.7	95.1
cal 8 mdq	8	✓	1000.0	835.6	83.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** MDA-D5

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

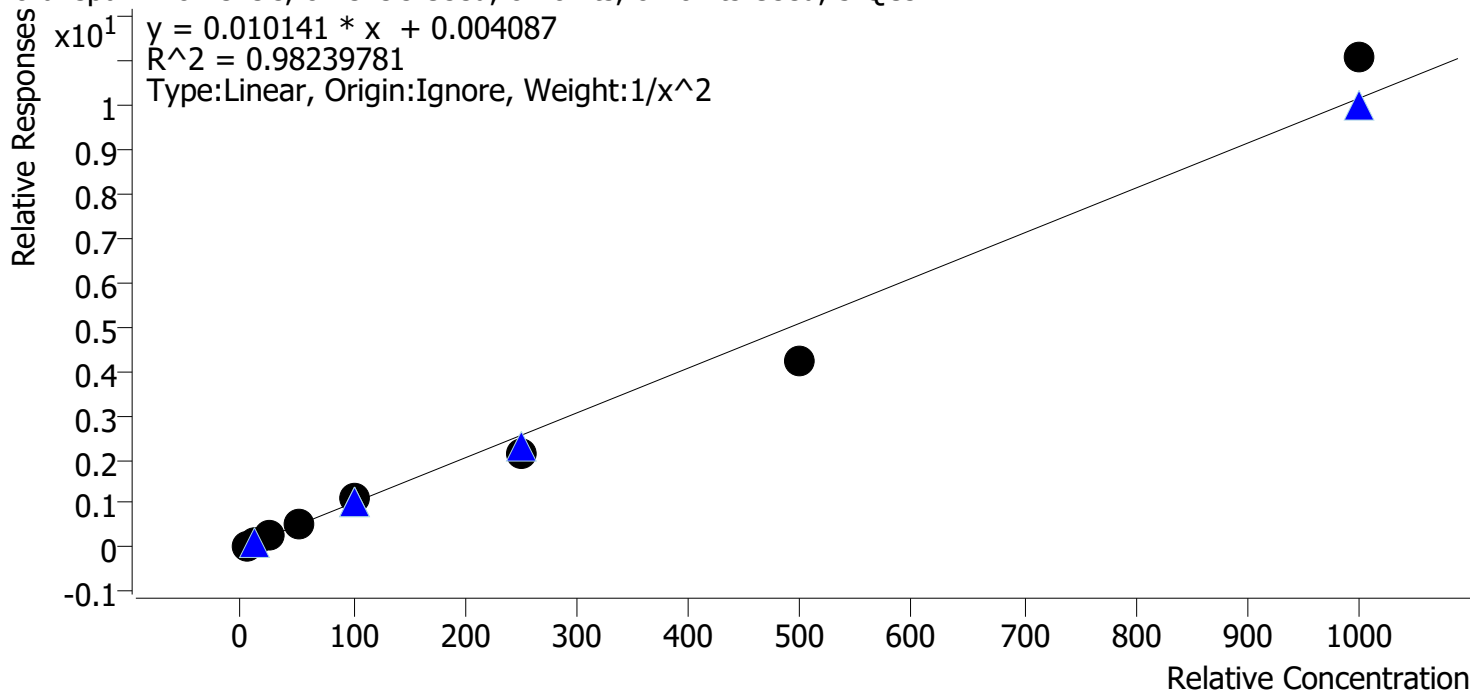


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	24.2	97.0
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdqr	6	✓	250.0	287.2	114.9
cal 7 mdq	7	✓	500.0	482.4	96.5
cal 8 mdq	8	✓	1000.0	895.4	89.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

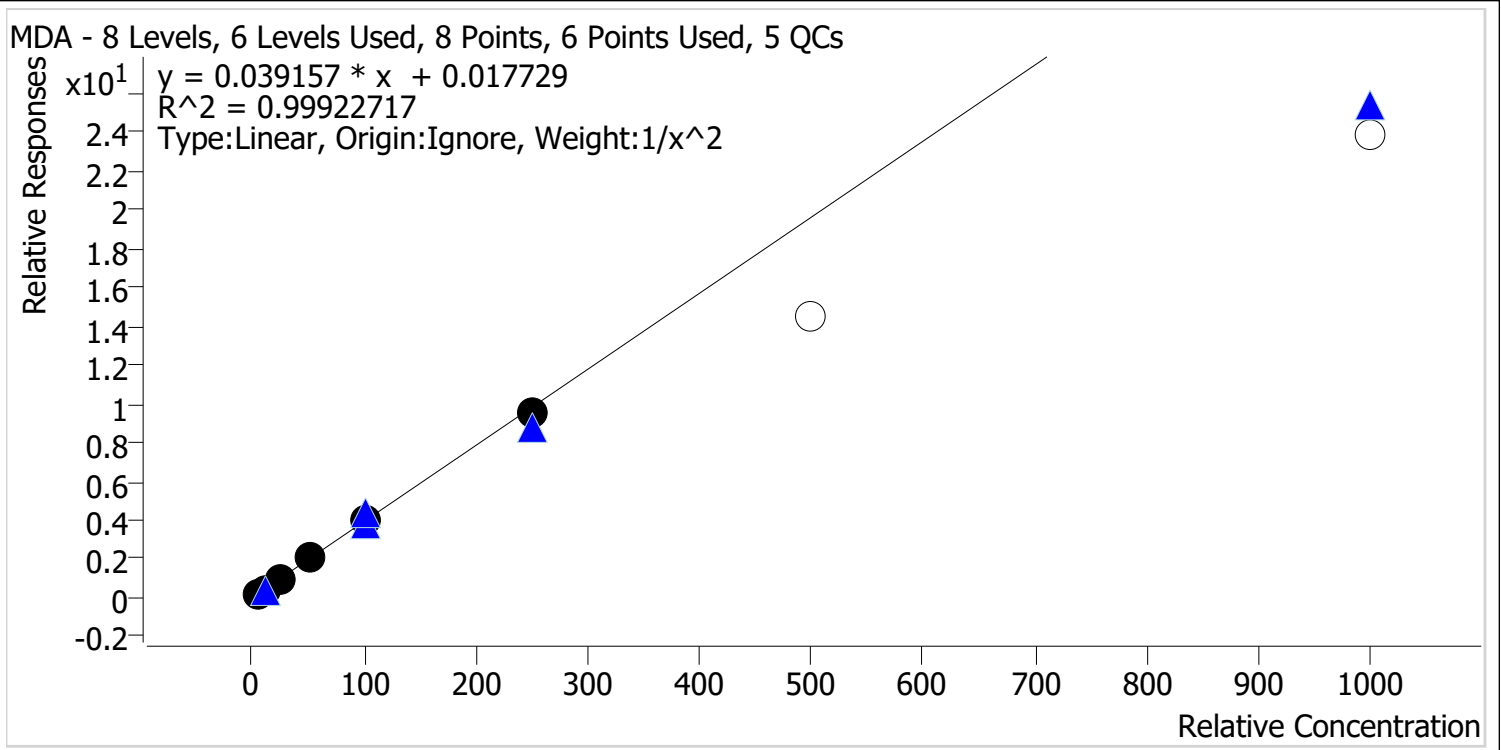
Lorazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.3
cal 2 mdq	2	✓	10.0	10.9	108.6
cal 3 mdq	3	✓	25.0	27.3	109.2
cal 4 mdq	4	✓	50.0	53.5	107.0
cal 5 mdq	5	✓	100.0	106.6	106.6
cal 6 mdqr	6	✓	250.0	209.2	83.7
cal 7 mdq	7	✓	500.0	413.3	82.7
cal 8 mdq	8	✓	1000.0	1090.4	109.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

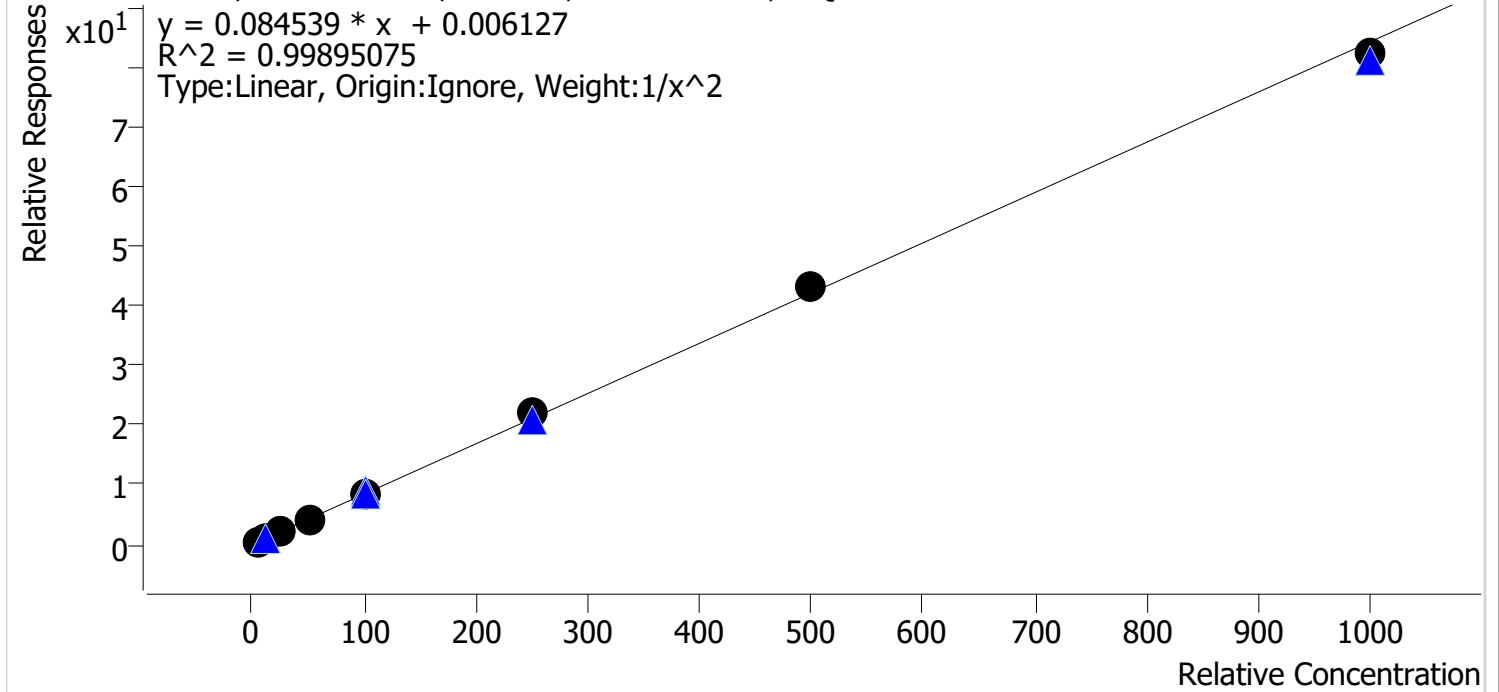


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	51.0	101.9
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdqr	6	✓	250.0	241.4	96.5
cal 7 mdq	7	✗	500.0	372.0	74.4
cal 8 mdq	8	✗	1000.0	609.3	60.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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

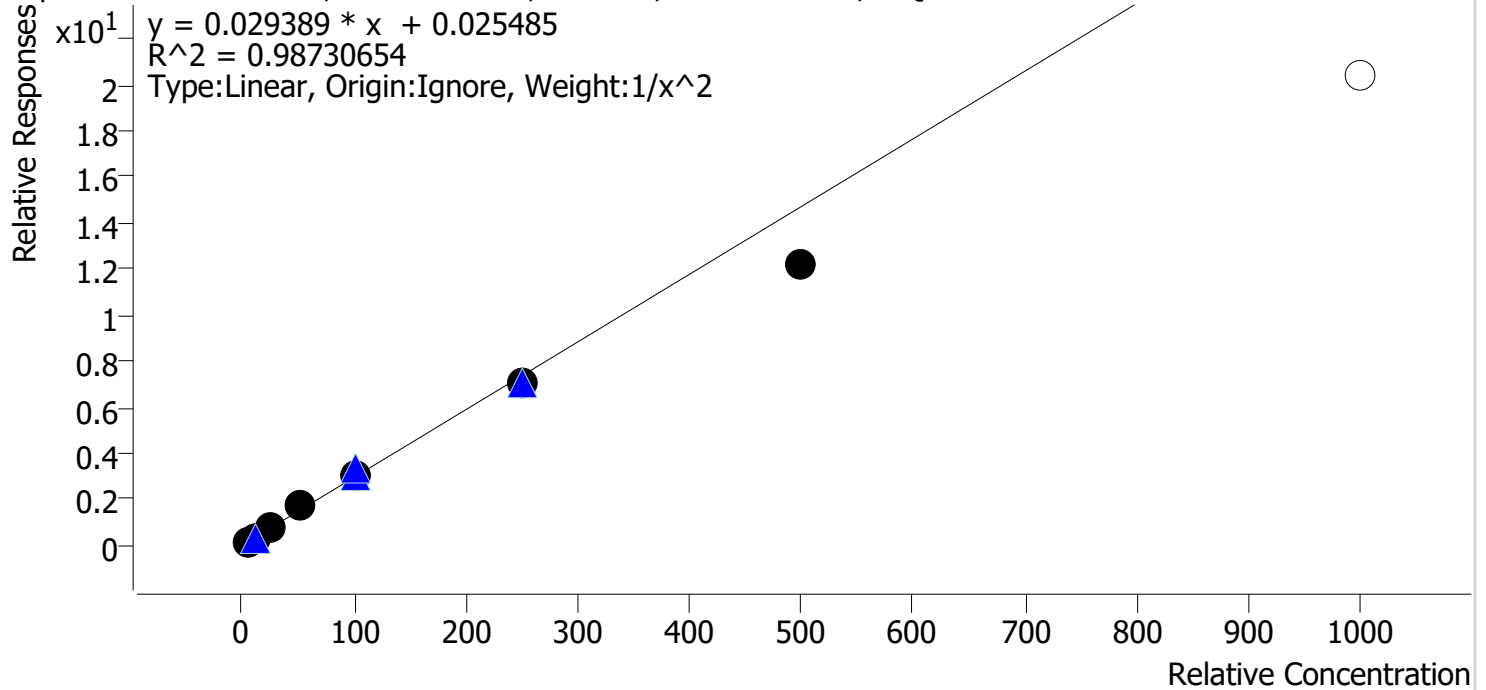


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdqr	6	✓	250.0	260.2	104.1
cal 7 mdq	7	✓	500.0	513.6	102.7
cal 8 mdq	8	✓	1000.0	976.6	97.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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

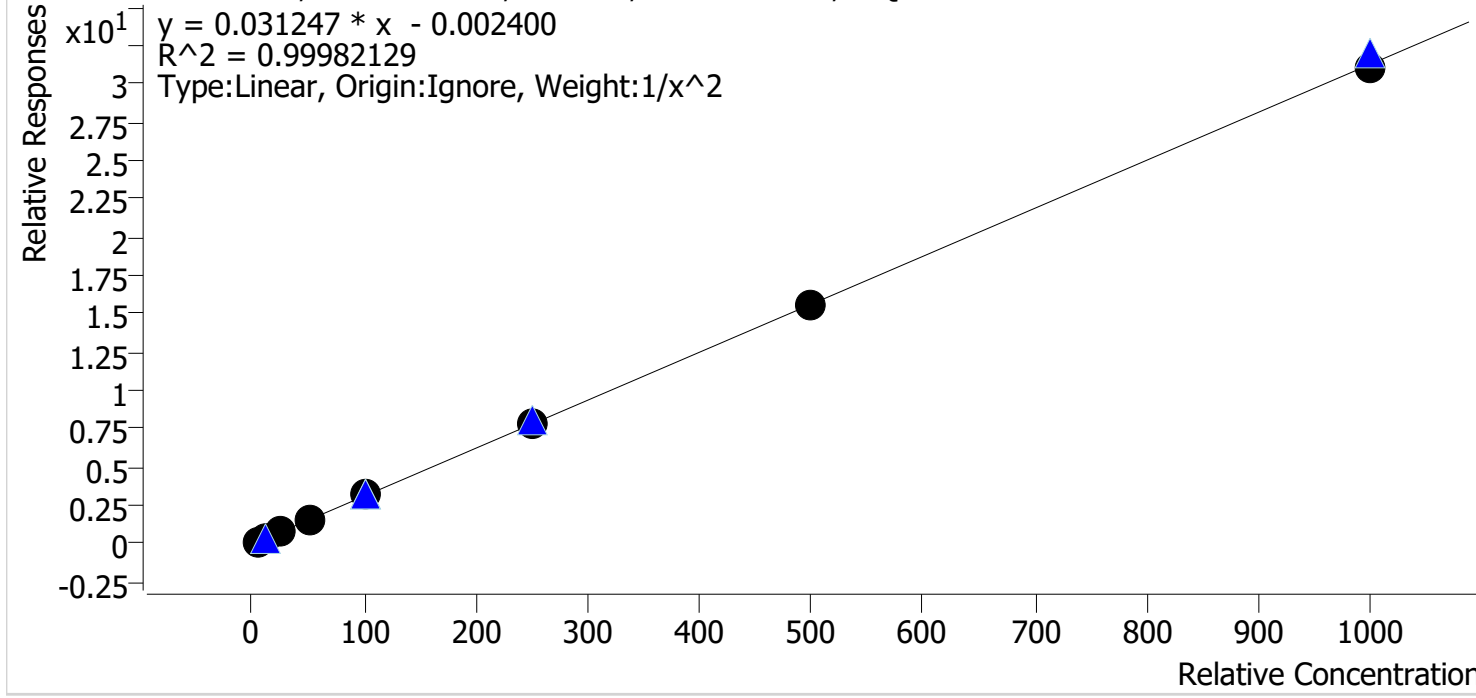


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.3	102.5
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	56.7	113.3
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdqr	6	✓	250.0	241.5	96.6
cal 7 mdq	7	✓	500.0	412.8	82.6
cal 8 mdq	8	✗	1000.0	695.7	69.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdqr	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	993.1	99.3

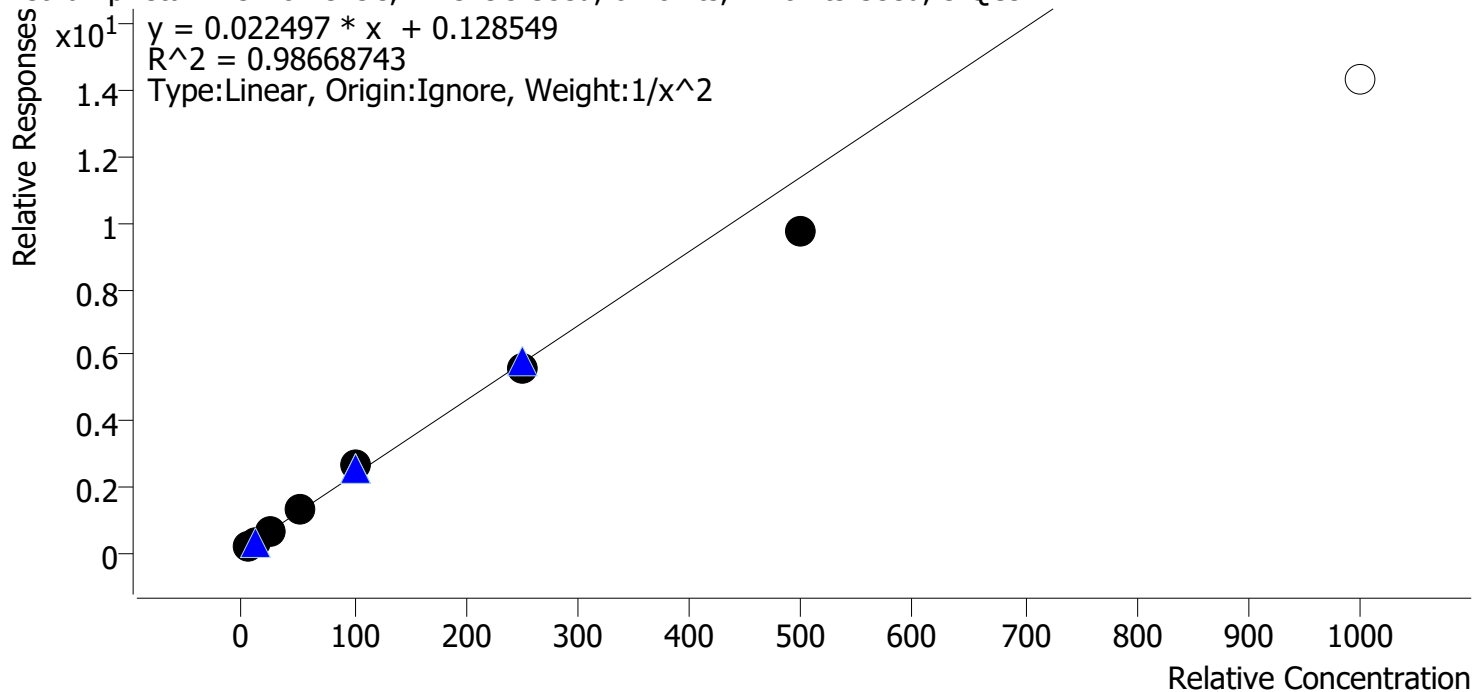
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Generated at 11:06 AM on 3/10/2023

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Methamphetamine	Internal Standard	Methamphetamine-D11

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

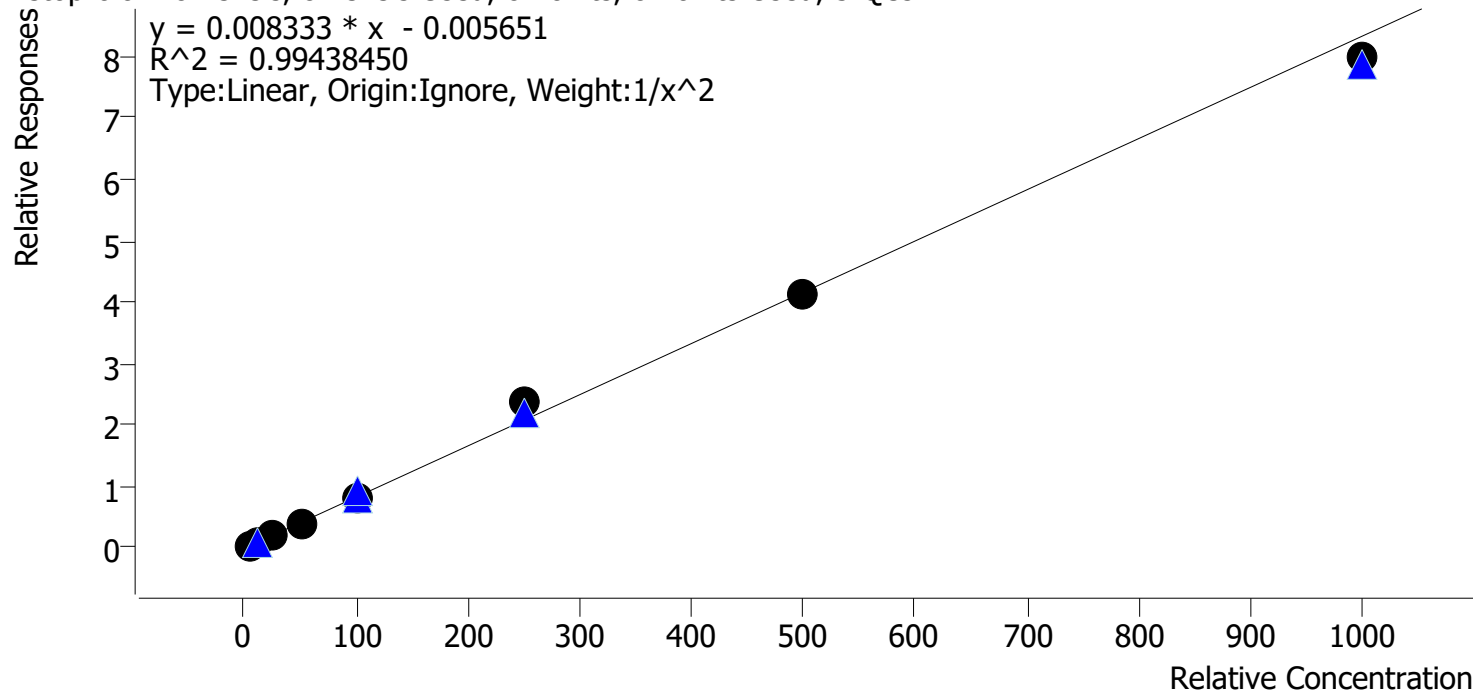


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.1	91.0
cal 3 mdq	3	✓	25.0	26.4	105.8
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	113.3	113.3
cal 6 mdqr	6	✓	250.0	240.8	96.3
cal 7 mdq	7	✓	500.0	424.5	84.9
cal 8 mdq	8	✗	1000.0	629.7	63.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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

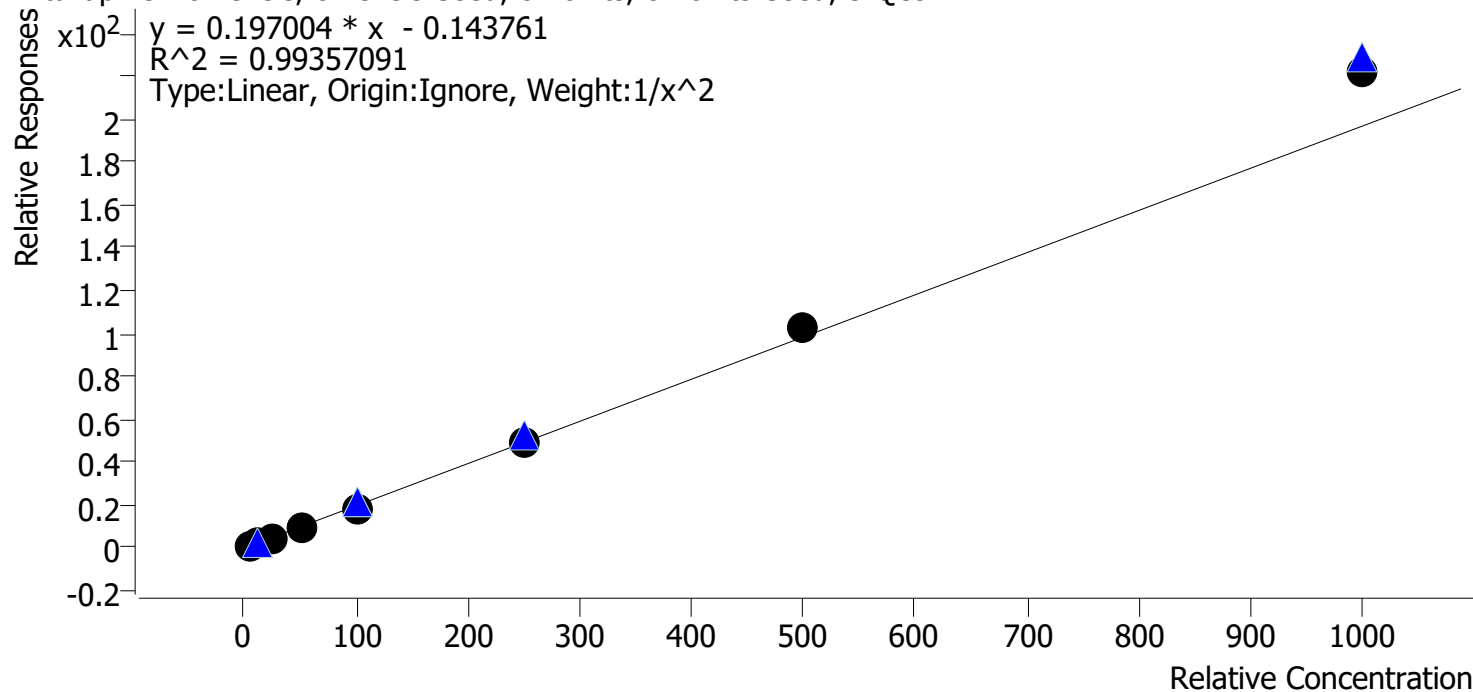


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	23.6	94.3
cal 4 mdq	4	✓	50.0	47.2	94.3
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdqr	6	✓	250.0	286.1	114.4
cal 7 mdq	7	✓	500.0	497.8	99.6
cal 8 mdq	8	✓	1000.0	958.2	95.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** MDMA-D6

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

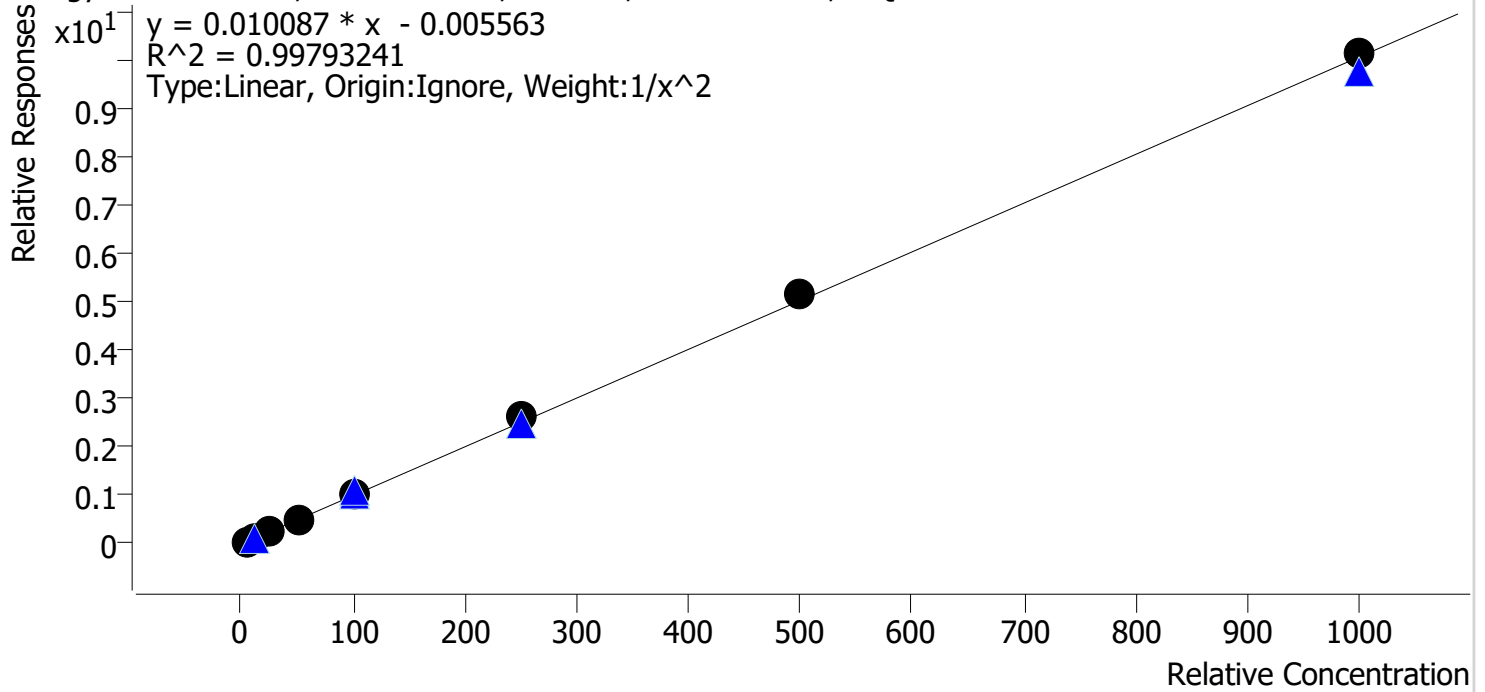


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	45.5	91.0
cal 5 mdq	5	✓	100.0	92.9	92.9
cal 6 mdqr	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	526.6	105.3
cal 8 mdq	8	✓	1000.0	1126.0	112.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** MDA-D5

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

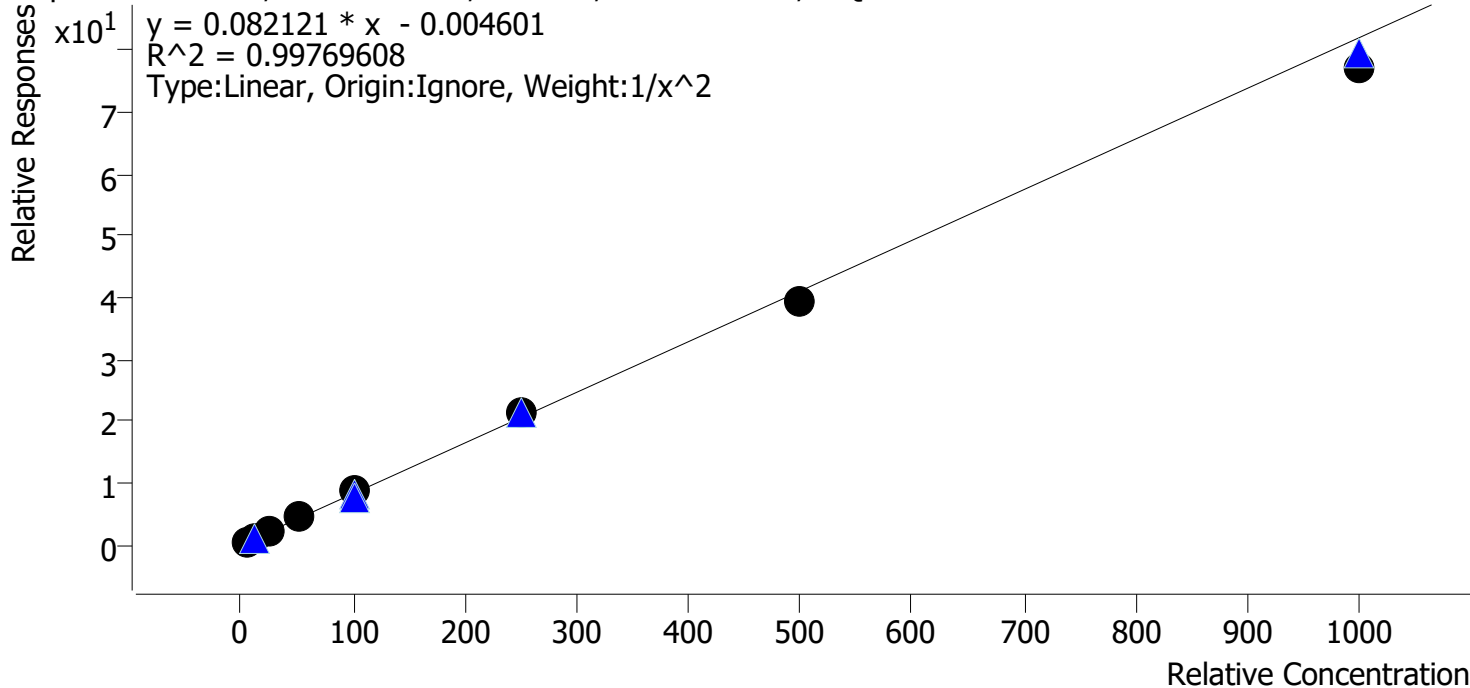


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	23.5	94.0
cal 4 mdq	4	✓	50.0	48.0	95.9
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdqr	6	✓	250.0	259.5	103.8
cal 7 mdq	7	✓	500.0	514.9	103.0
cal 8 mdq	8	✓	1000.0	1007.0	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

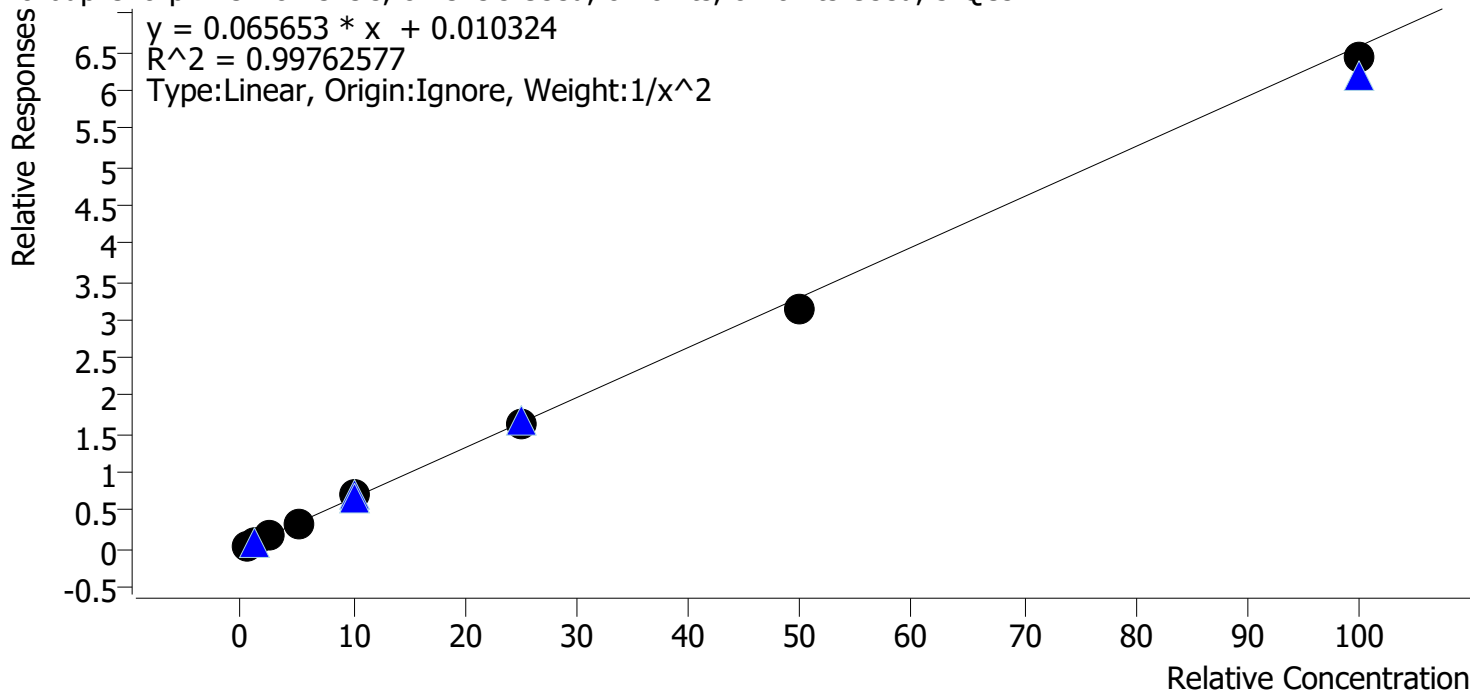


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	103.4	103.4
cal 6 mdqr	6	✓	250.0	260.4	104.2
cal 7 mdq	7	✓	500.0	481.6	96.3
cal 8 mdq	8	✓	1000.0	943.3	94.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3

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

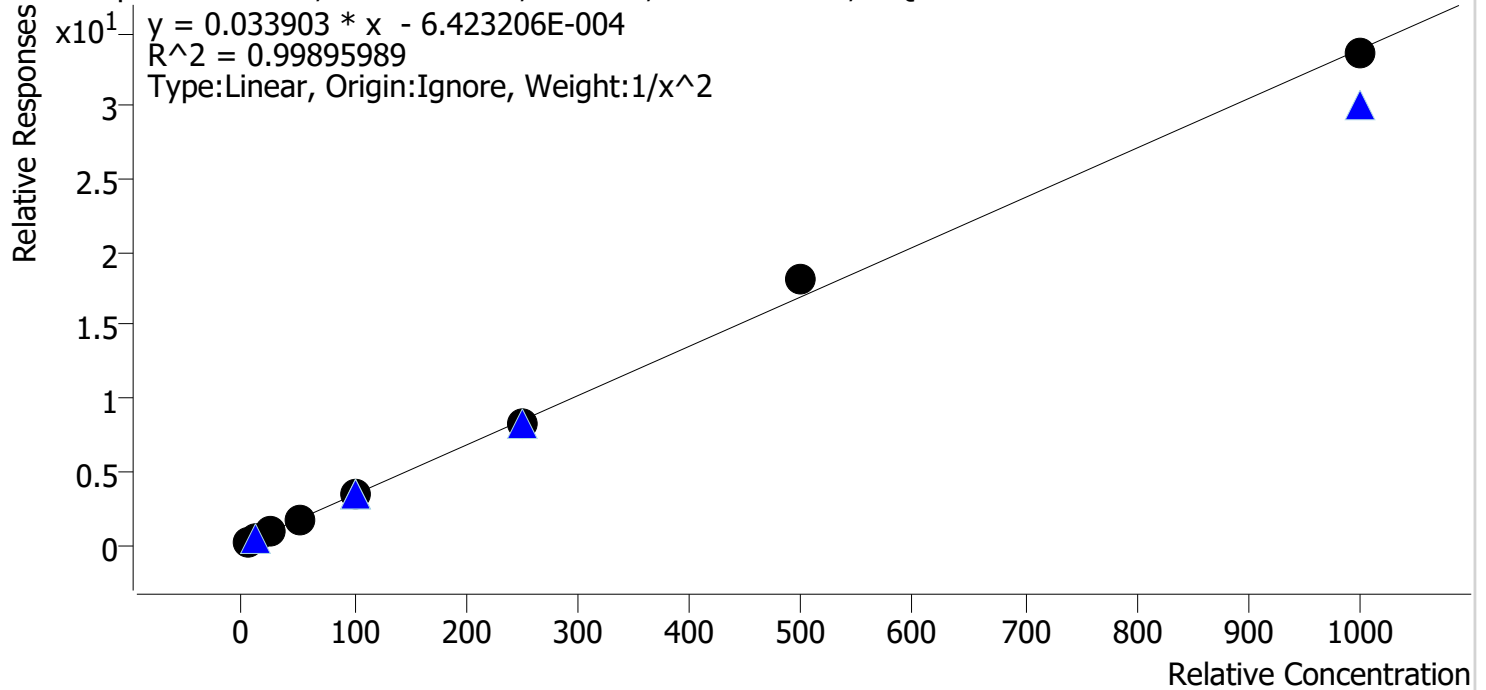


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.8
cal 2 mdq	2	✓	1.0	1.0	104.7
cal 3 mdq	3	✓	2.5	2.6	105.2
cal 4 mdq	4	✓	5.0	4.8	95.9
cal 5 mdq	5	✓	10.0	10.5	104.8
cal 6 mdqr	6	✓	25.0	24.9	99.5
cal 7 mdq	7	✓	50.0	47.7	95.3
cal 8 mdq	8	✓	100.0	97.7	97.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



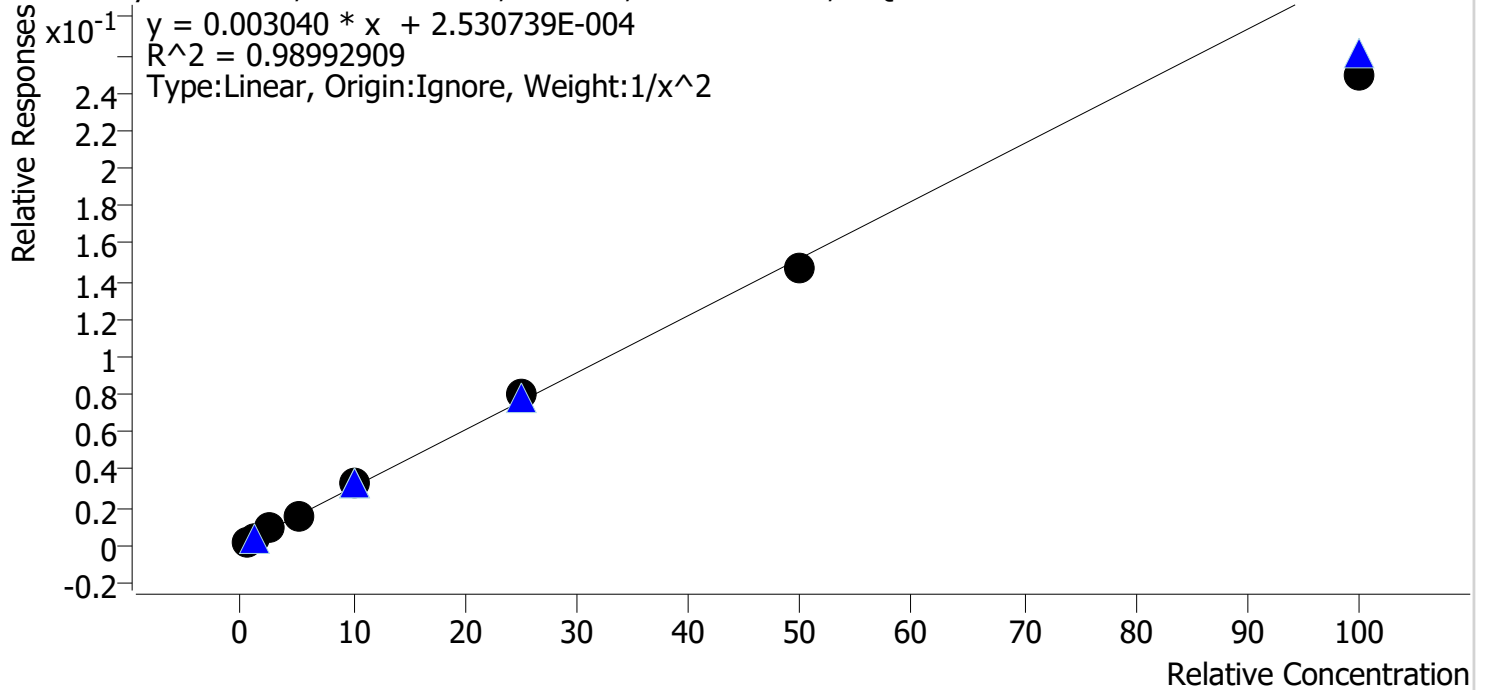
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdqr	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	532.0	106.4
cal 8 mdq	8	✓	1000.0	991.1	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Norfentanyl

Internal Standard Norfentanyl-D5

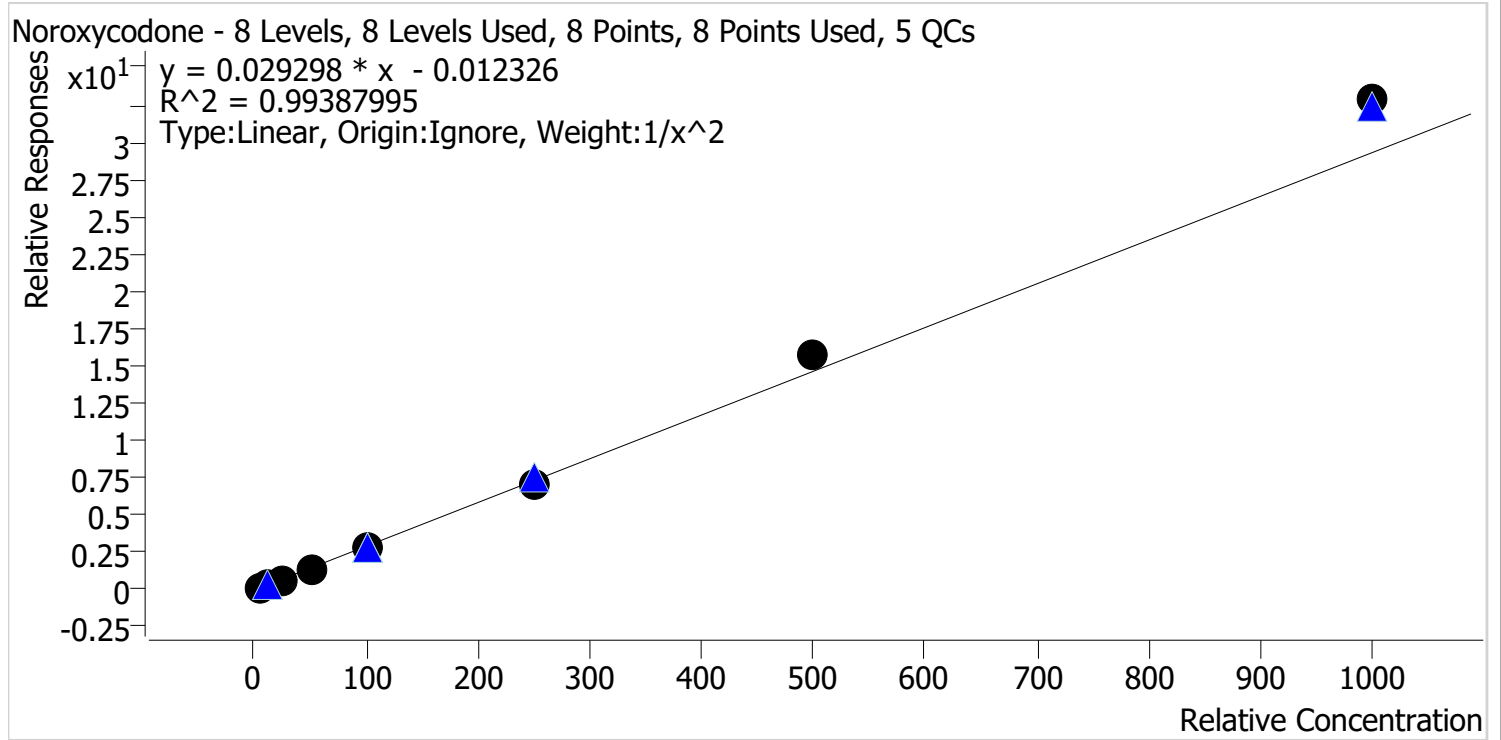
Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.0
cal 2 mdq	2	✓	1.0	1.0	103.2
cal 3 mdq	3	✓	2.5	2.8	110.1
cal 4 mdq	4	✓	5.0	5.1	101.7
cal 5 mdq	5	✓	10.0	10.5	104.7
cal 6 mdqr	6	✓	25.0	26.5	106.1
cal 7 mdq	7	✓	50.0	48.2	96.3
cal 8 mdq	8	✓	100.0	81.8	81.8

Compound Calibration Report

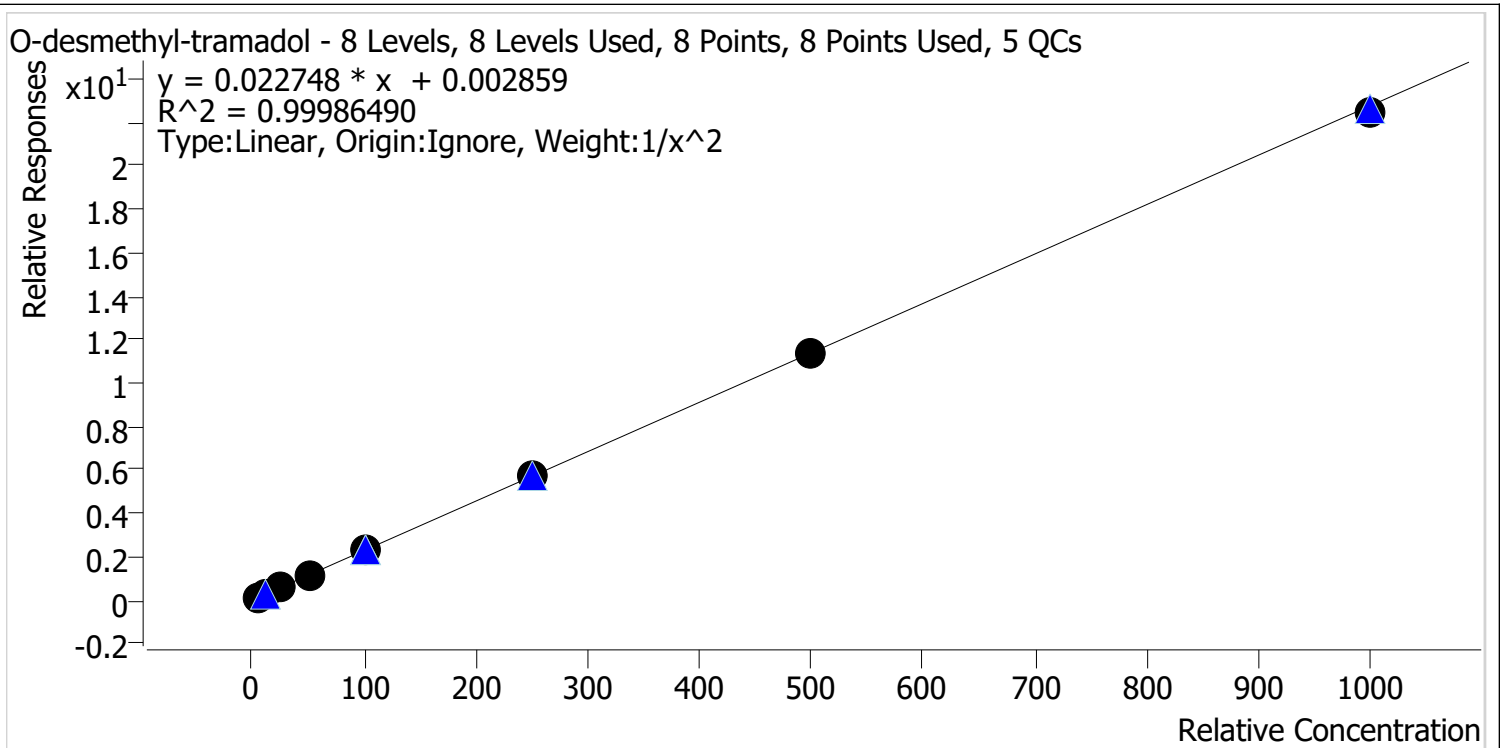
Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	47.3	94.6
cal 5 mdq	5	✓	100.0	93.7	93.7
cal 6 mdqr	6	✓	250.0	242.4	97.0
cal 7 mdq	7	✓	500.0	535.2	107.0
cal 8 mdq	8	✓	1000.0	1121.2	112.1

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

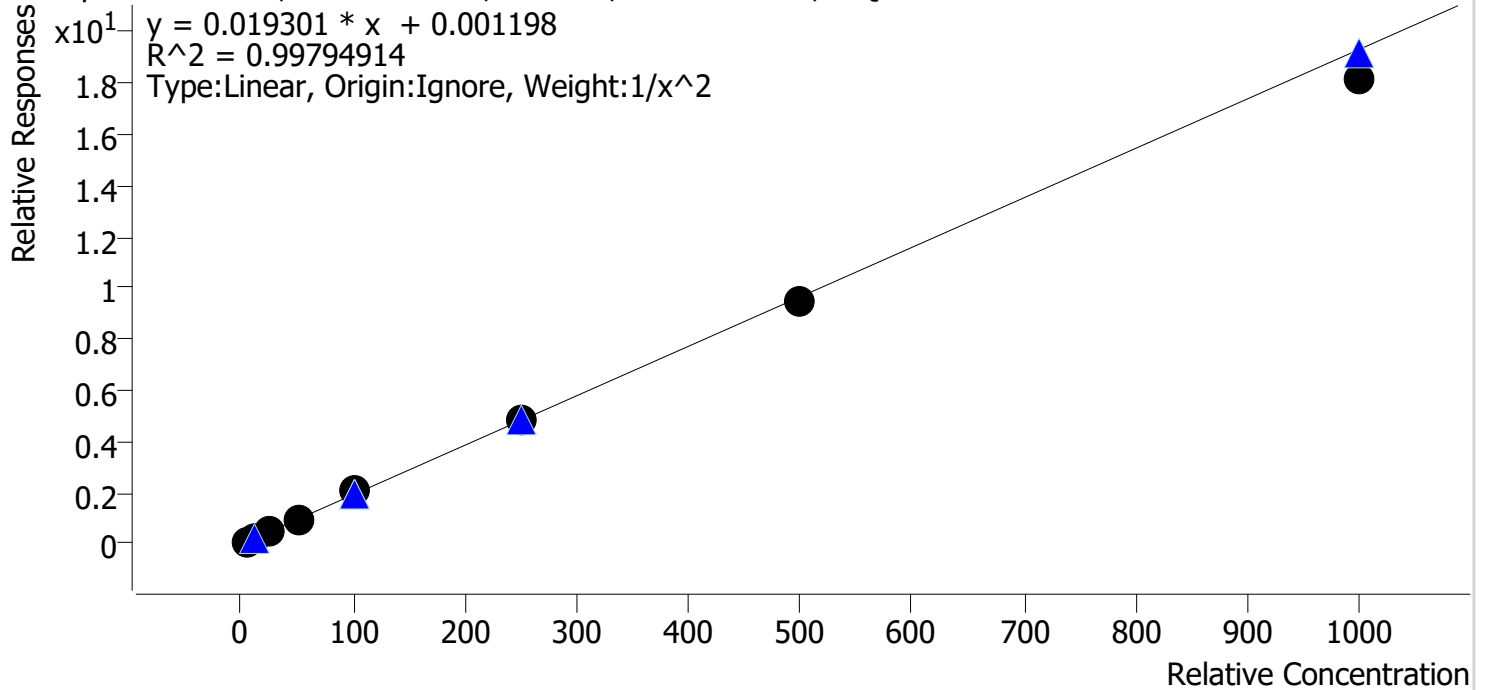


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdqr	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	983.5	98.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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

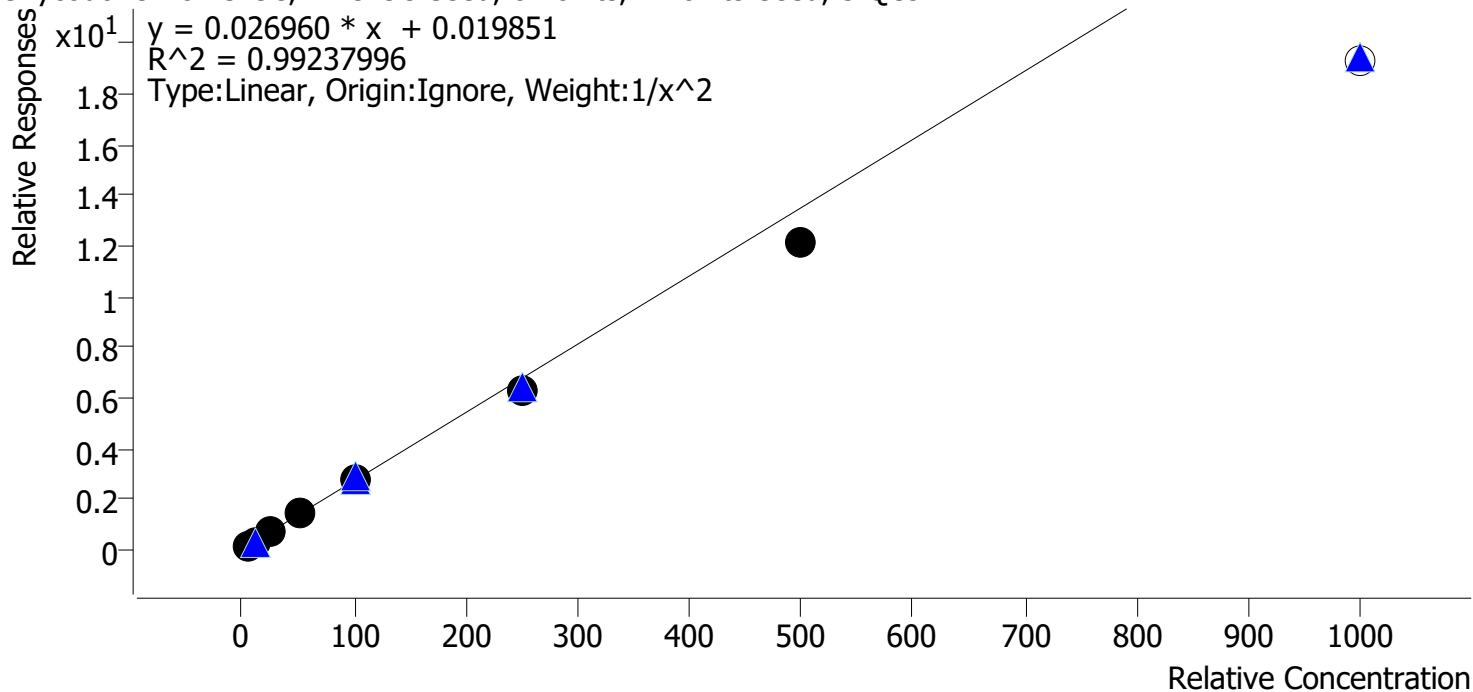


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	49.4	98.7
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdqr	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	487.9	97.6
cal 8 mdq	8	✓	1000.0	943.4	94.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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

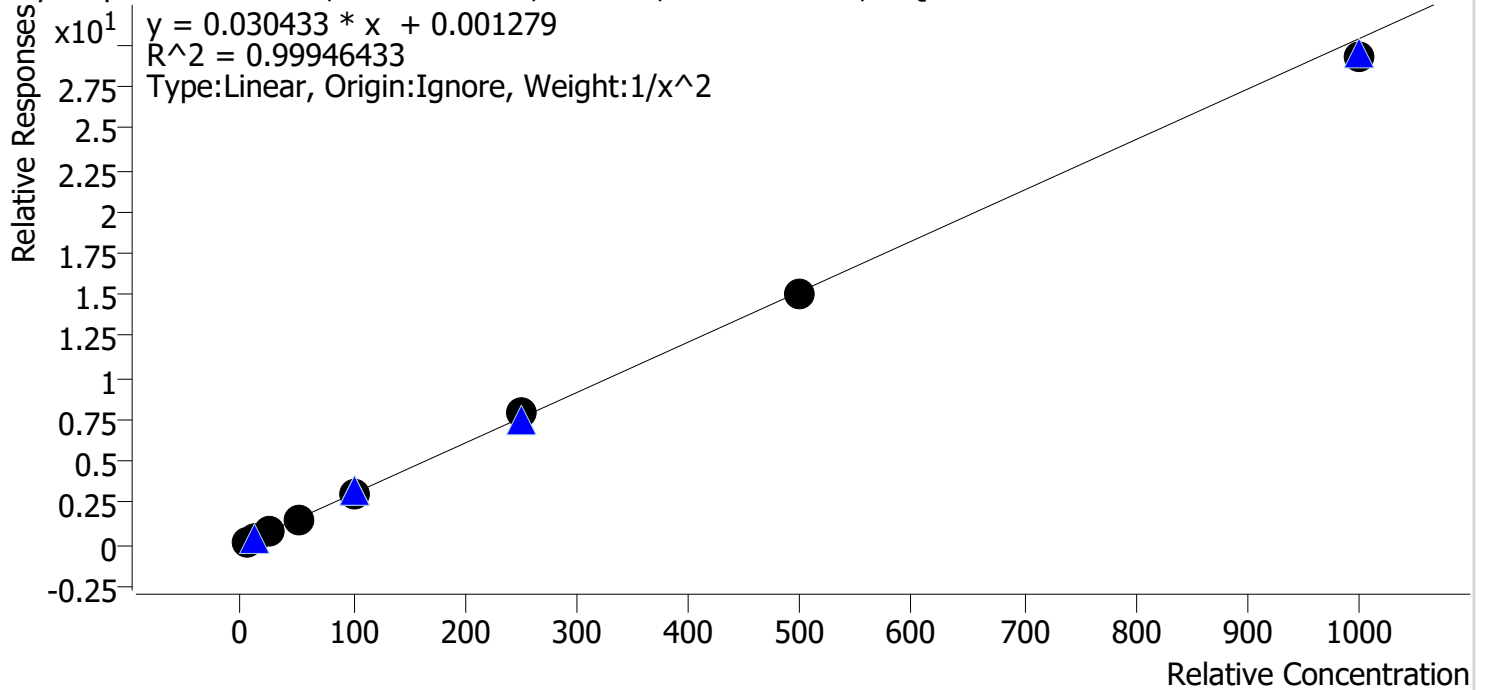


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.9
cal 2 mdq	2	✓	10.0	10.3	103.5
cal 3 mdq	3	✓	25.0	27.2	108.8
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdqr	6	✓	250.0	230.2	92.1
cal 7 mdq	7	✓	500.0	451.4	90.3
cal 8 mdq	8	✗	1000.0	717.6	71.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



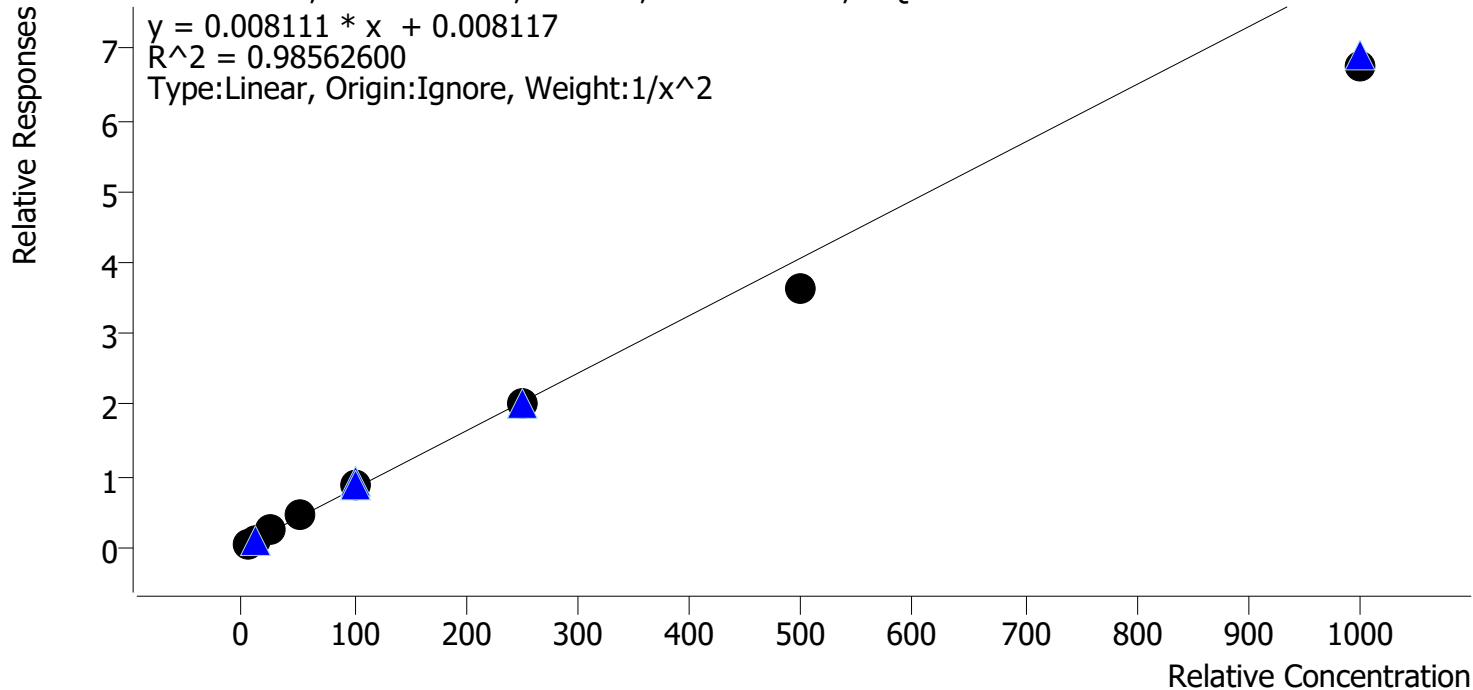
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdqr	6	✓	250.0	258.7	103.5
cal 7 mdq	7	✓	500.0	492.5	98.5
cal 8 mdq	8	✓	1000.0	966.5	96.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Phentermine

Internal Standard Phentermine-D5

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

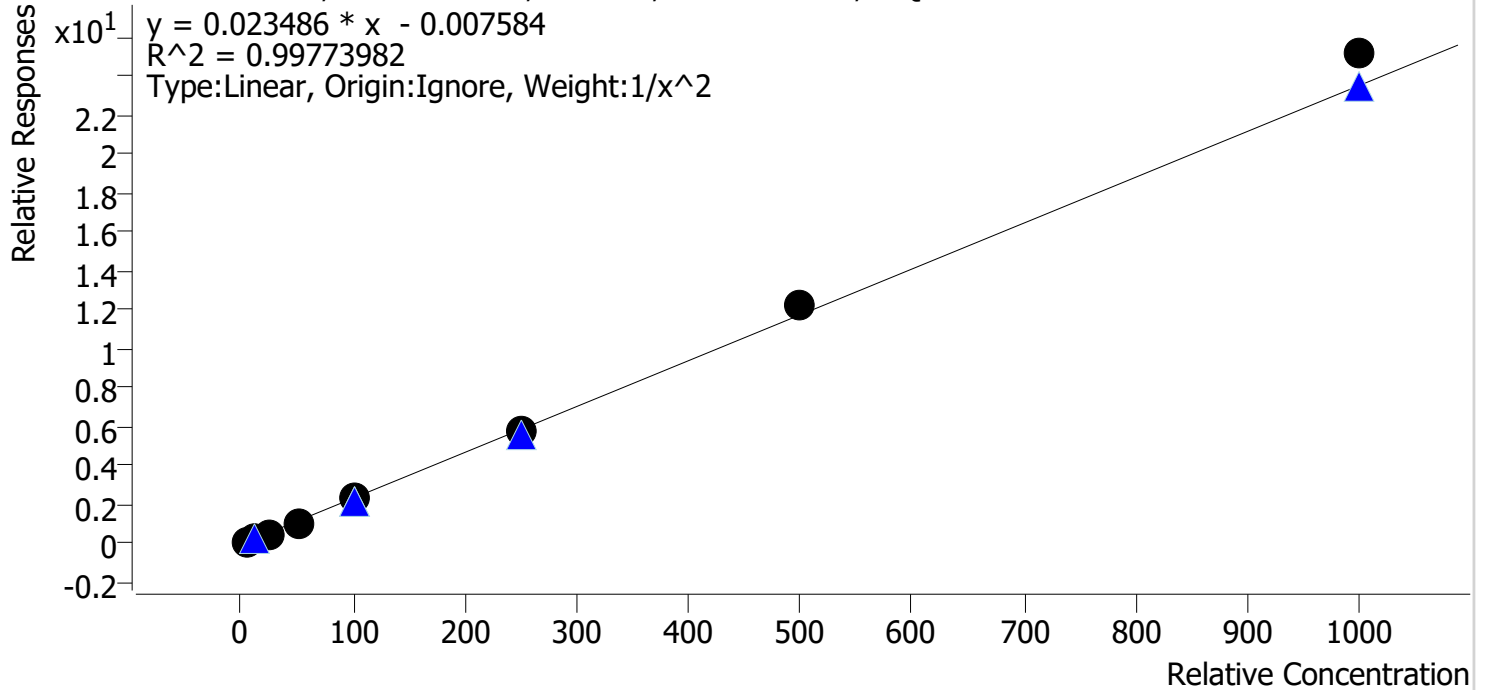


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.4
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	27.6	110.6
cal 4 mdq	4	✓	50.0	56.1	112.1
cal 5 mdq	5	✓	100.0	108.6	108.6
cal 6 mdqr	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	444.9	89.0
cal 8 mdq	8	✓	1000.0	830.0	83.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

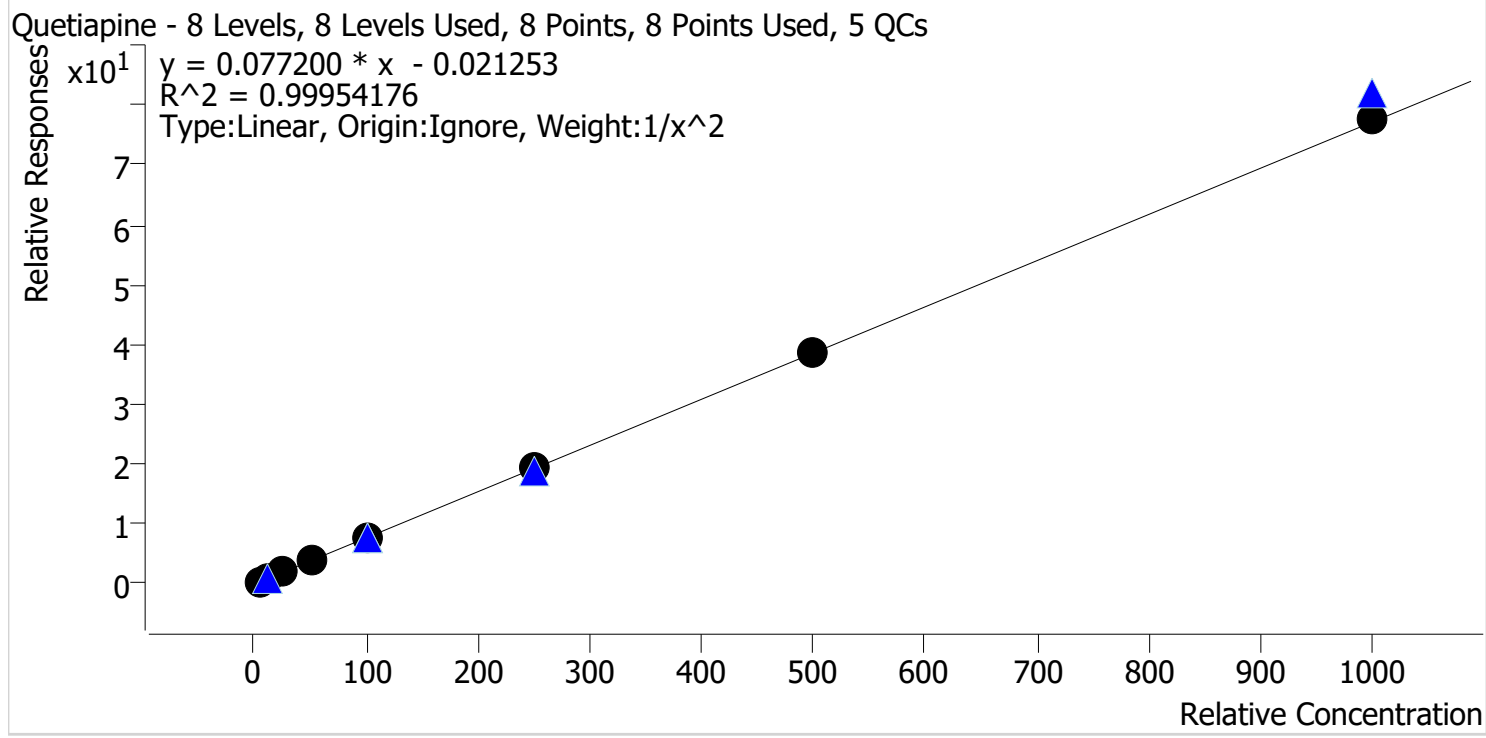
Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	23.9	95.8
cal 4 mdq	4	✓	50.0	47.8	95.6
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdqr	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	520.1	104.0
cal 8 mdq	8	✓	1000.0	1069.7	107.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\lam 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

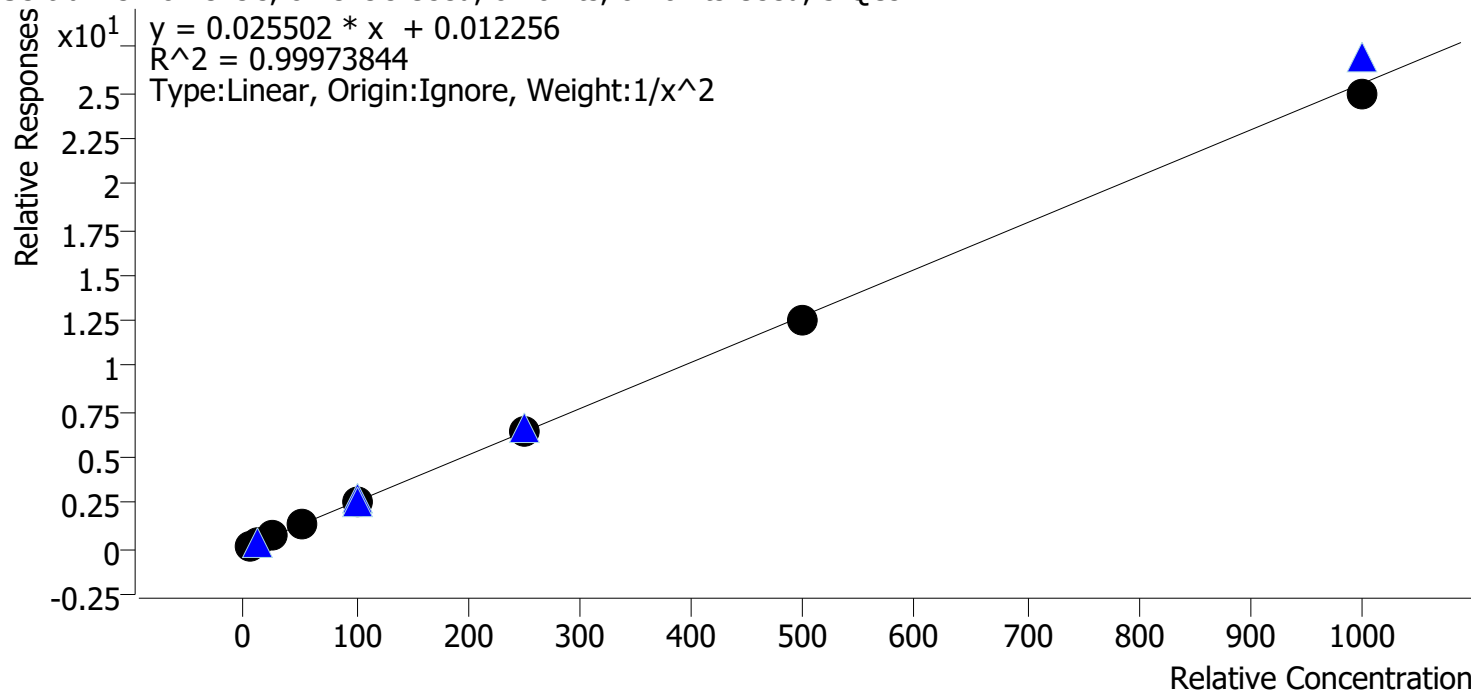


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdqr	6	✓	250.0	256.4	102.5
cal 7 mdq	7	✓	500.0	504.9	101.0
cal 8 mdq	8	✓	1000.0	1010.5	101.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

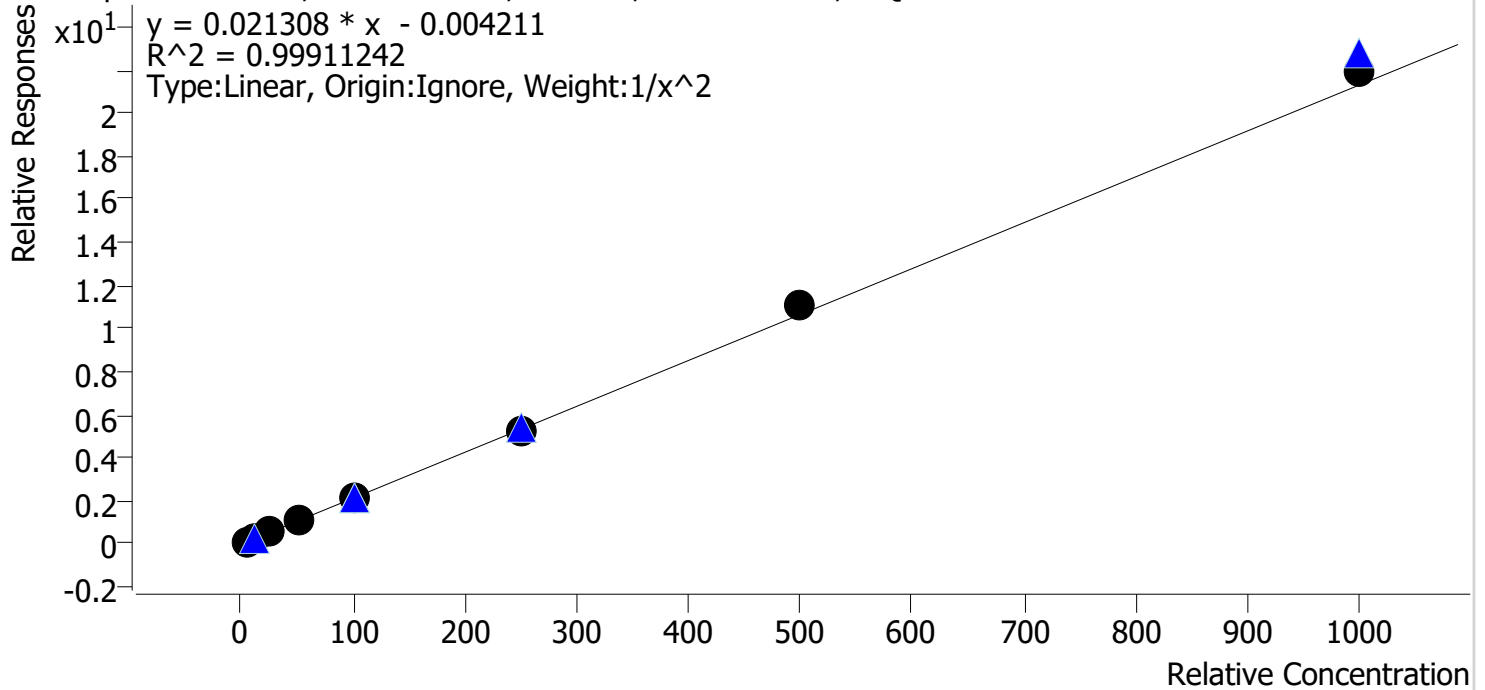


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdqr	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	491.5	98.3
cal 8 mdq	8	✓	1000.0	979.3	97.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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

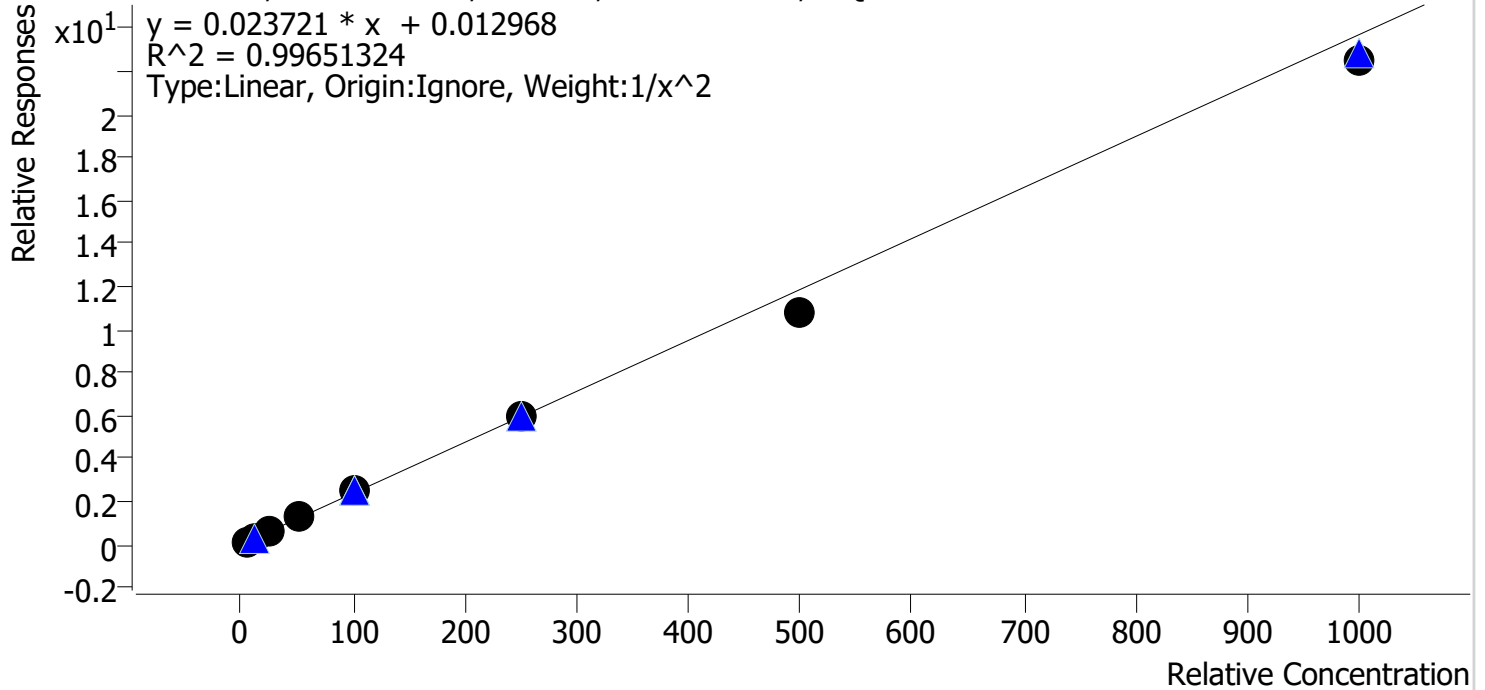


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdqr	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	521.5	104.3
cal 8 mdq	8	✓	1000.0	1031.2	103.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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

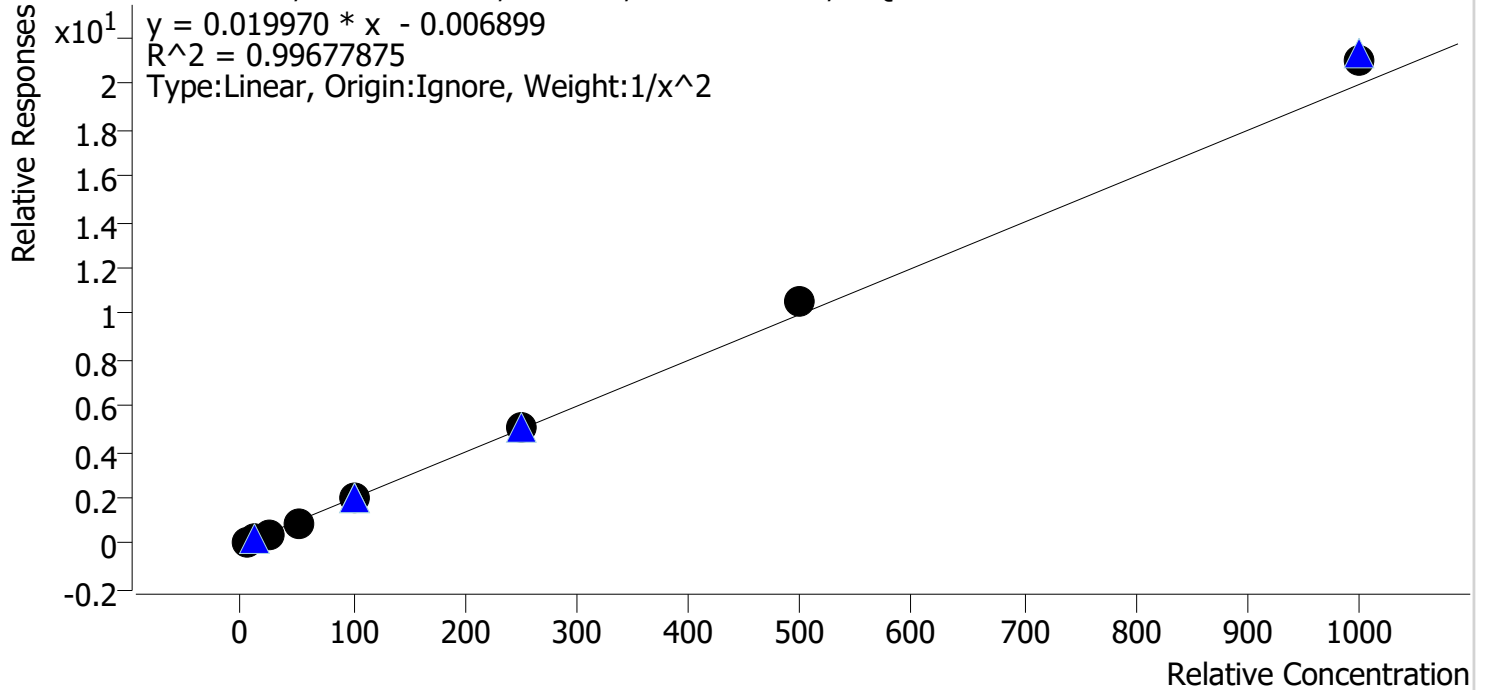


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	26.6	106.4
cal 4 mdq	4	✓	50.0	52.2	104.5
cal 5 mdq	5	✓	100.0	105.0	105.0
cal 6 mdqr	6	✓	250.0	247.7	99.1
cal 7 mdq	7	✓	500.0	458.2	91.6
cal 8 mdq	8	✓	1000.0	951.0	95.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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

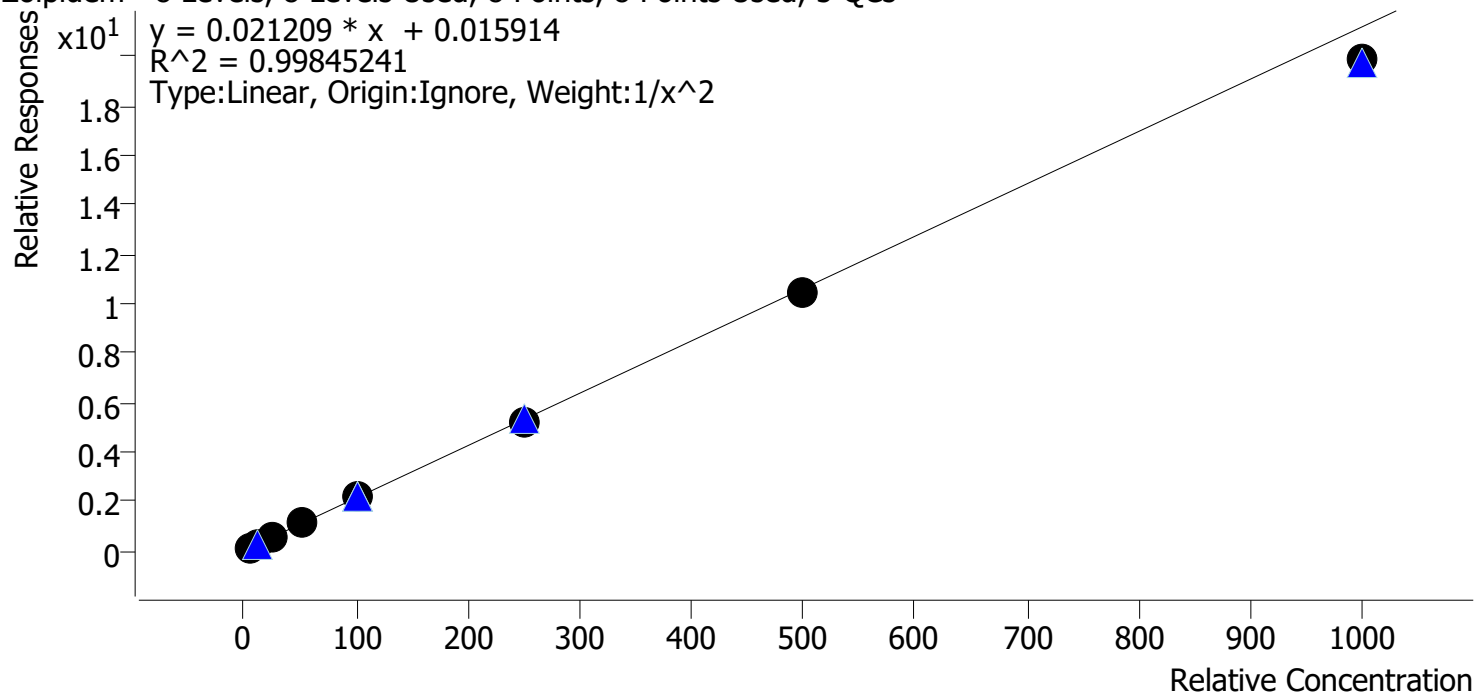


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.2
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	23.7	94.7
cal 4 mdq	4	✓	50.0	46.9	93.9
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdqr	6	✓	250.0	254.6	101.8
cal 7 mdq	7	✓	500.0	527.3	105.5
cal 8 mdq	8	✓	1000.0	1051.6	105.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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

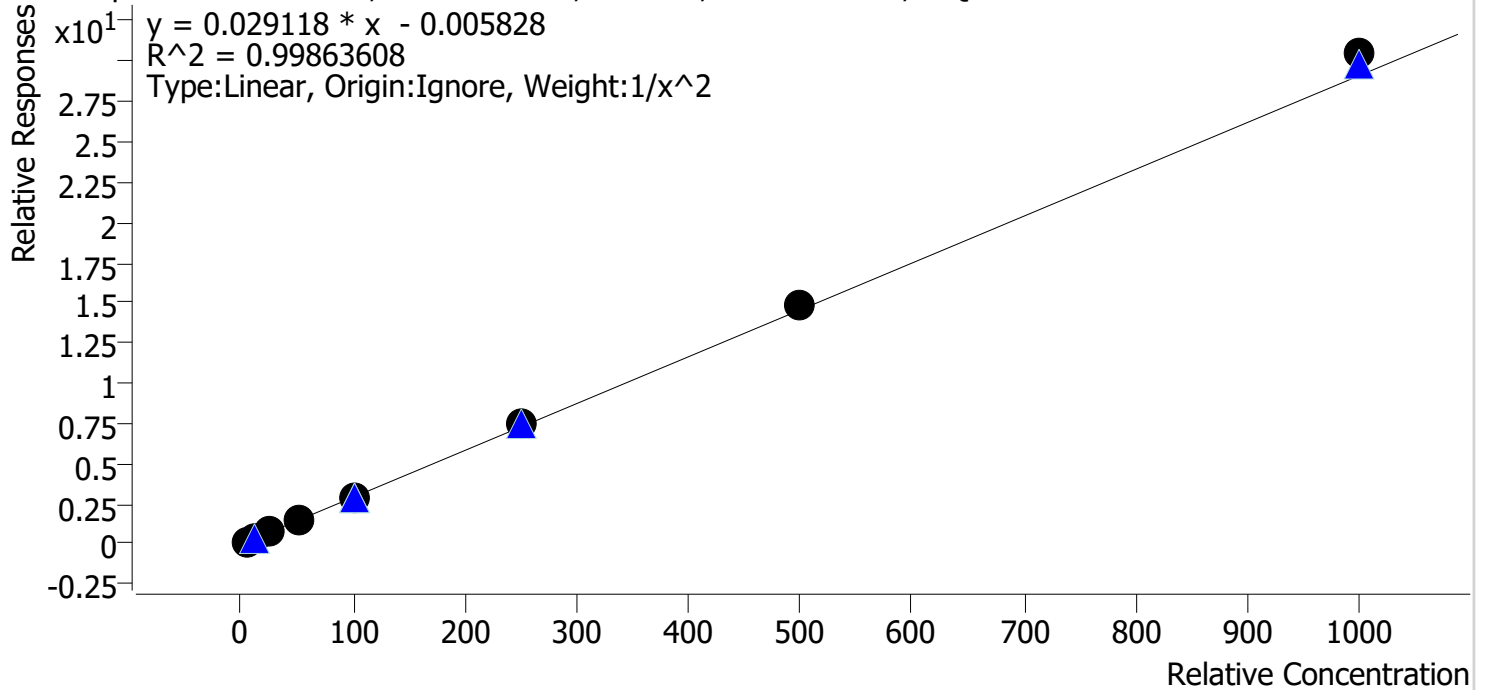


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdqr	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	489.5	97.9
cal 8 mdq	8	✓	1000.0	937.4	93.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

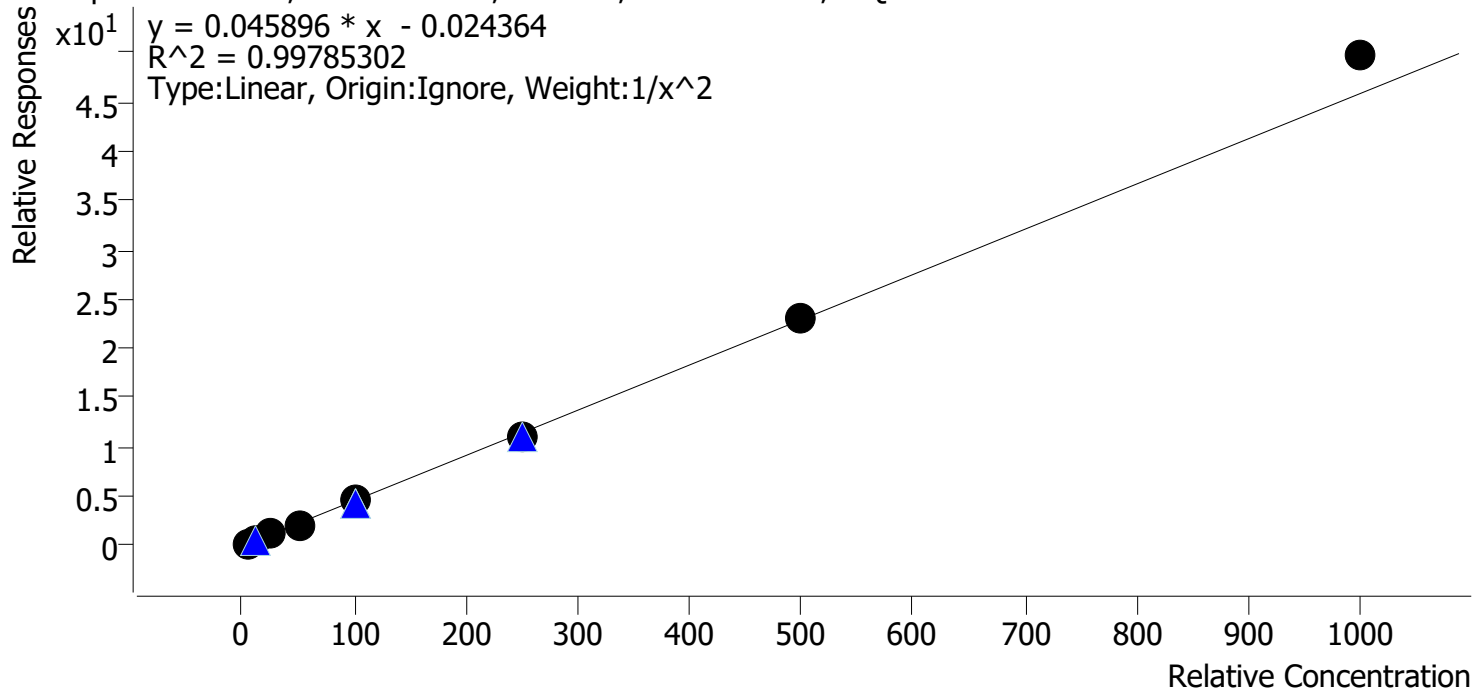


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	47.6	95.1
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdqr	6	✓	250.0	255.6	102.2
cal 7 mdq	7	✓	500.0	510.0	102.0
cal 8 mdq	8	✓	1000.0	1047.1	104.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-d8

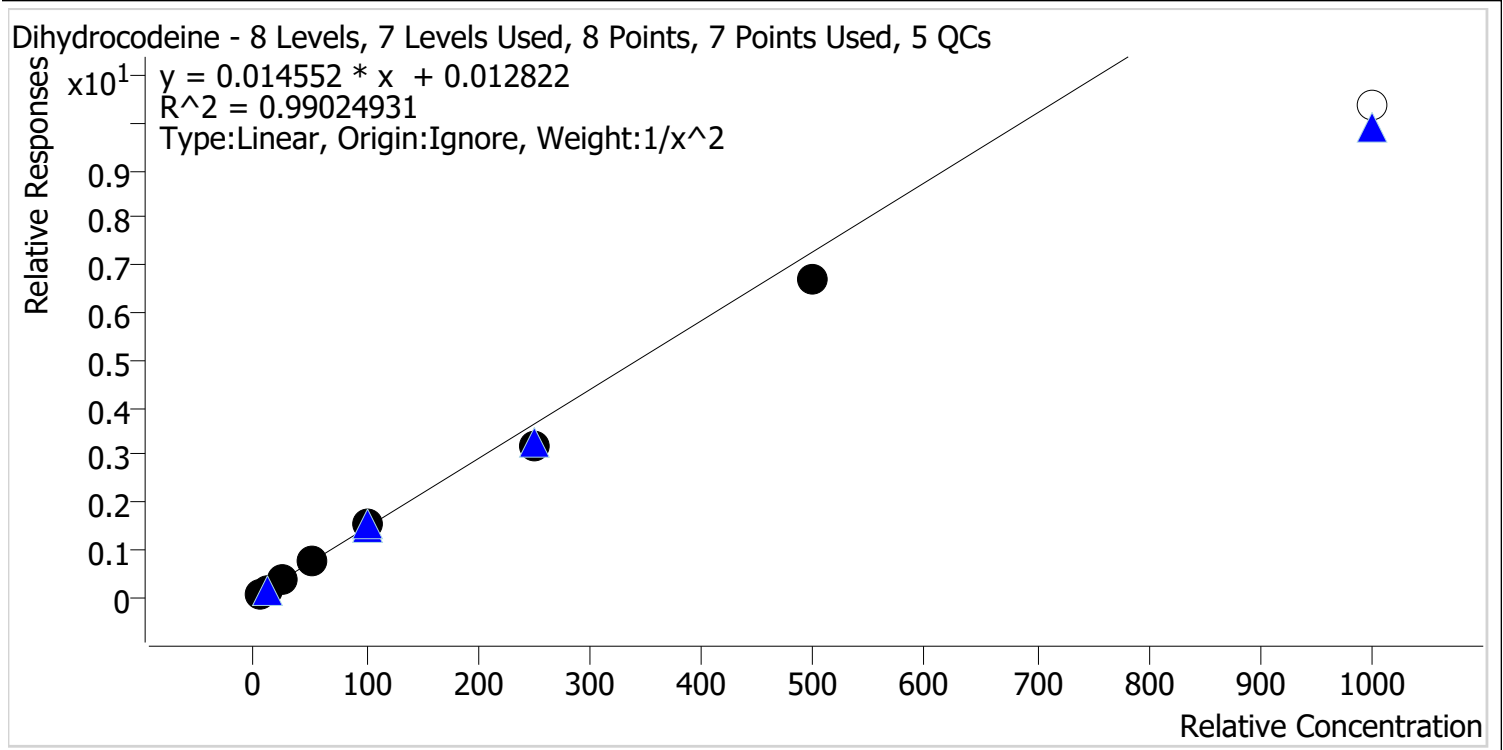
Olanzapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.3	102.6
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdqr	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	501.3	100.3
cal 8 mdq	8	✓	1000.0	1083.9	108.4

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\1am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodeine-D6

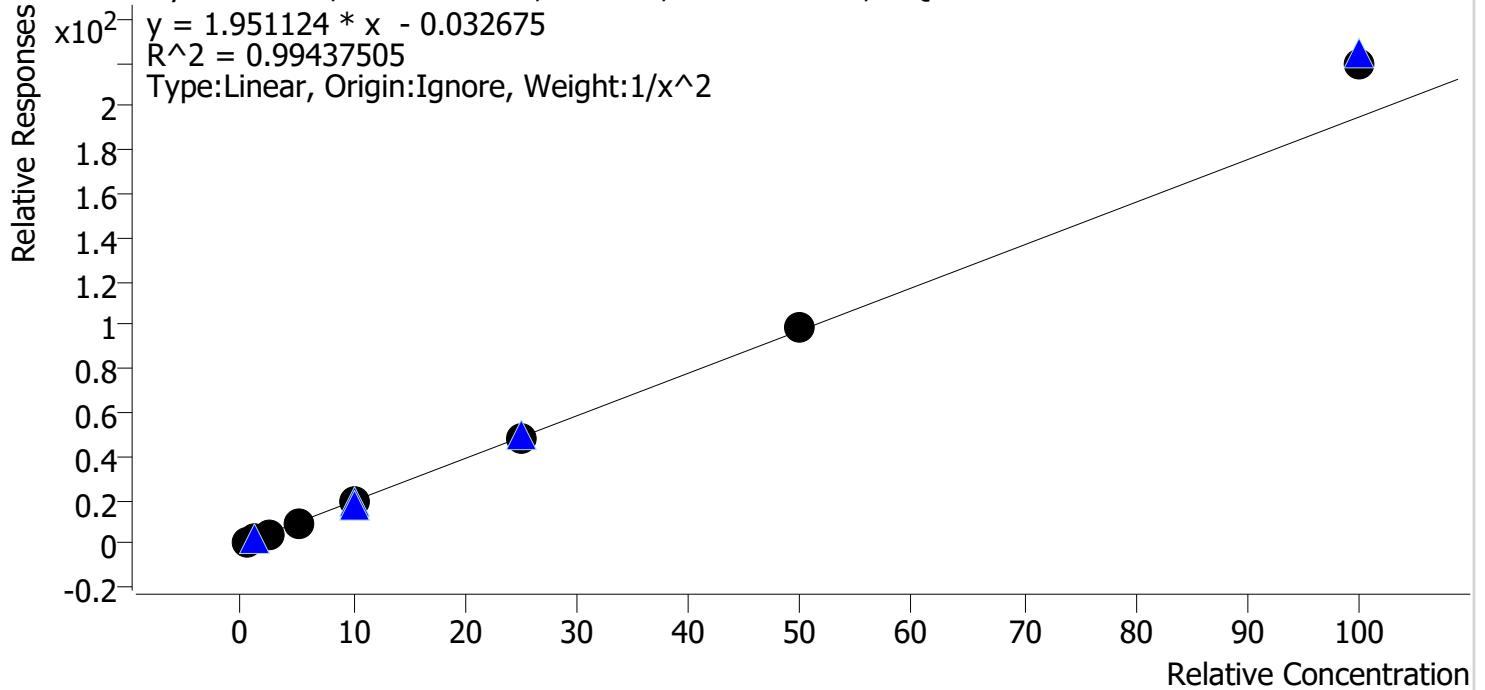


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.1
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	27.5	109.9
cal 4 mdq	4	✓	50.0	53.1	106.3
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdqr	6	✓	250.0	218.5	87.4
cal 7 mdq	7	✓	500.0	461.1	92.2
cal 8 mdq	8	✗	1000.0	711.1	71.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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

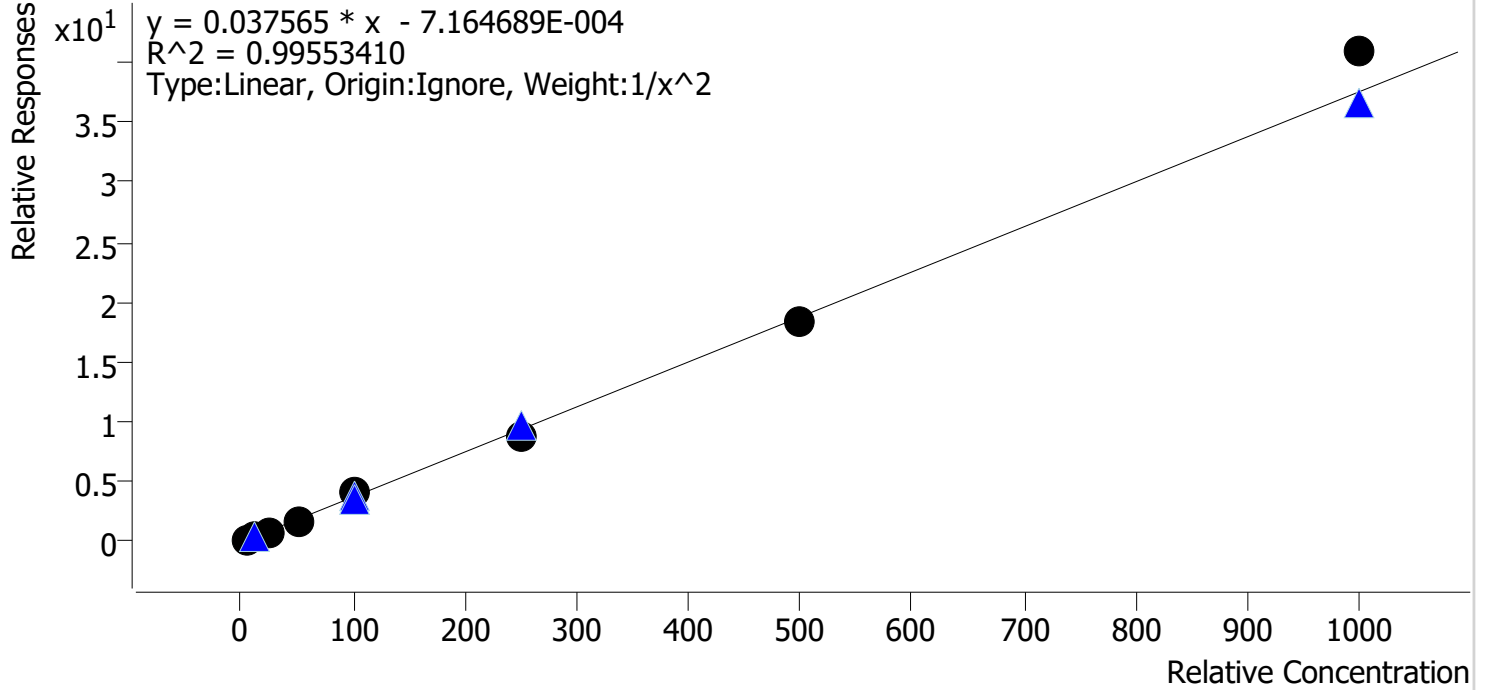


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.8
cal 2 mdq	2	✓	1.0	1.0	97.7
cal 3 mdq	3	✓	2.5	2.4	95.9
cal 4 mdq	4	✓	5.0	4.5	90.3
cal 5 mdq	5	✓	10.0	10.2	102.1
cal 6 mdqr	6	✓	25.0	24.4	97.7
cal 7 mdq	7	✓	50.0	50.3	100.6
cal 8 mdq	8	✓	100.0	112.8	112.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-d3

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

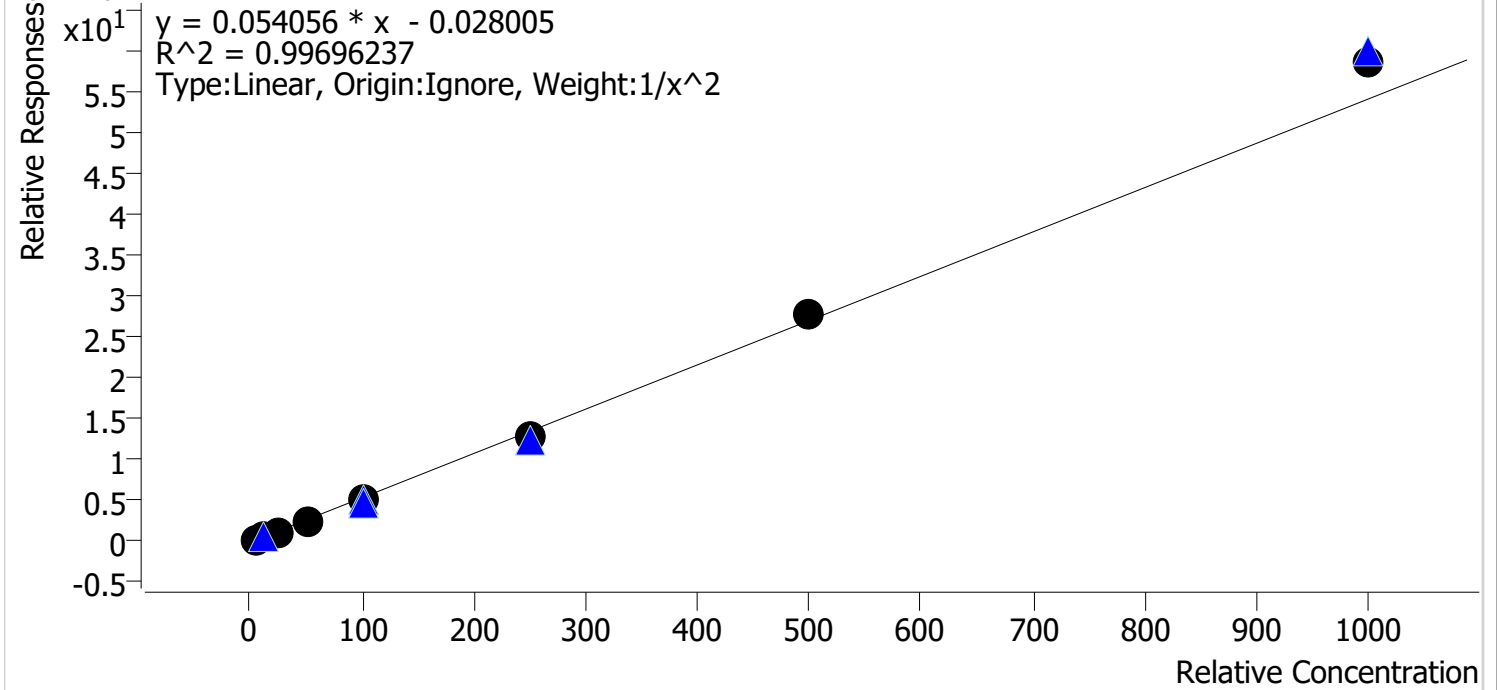


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	47.7	95.4
cal 5 mdq	5	✓	100.0	107.5	107.5
cal 6 mdqr	6	✓	250.0	235.2	94.1
cal 7 mdq	7	✓	500.0	493.4	98.7
cal 8 mdq	8	✓	1000.0	1089.3	108.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Last Cal. Update 3/10/2023 11:05 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Quetiapine-D8

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

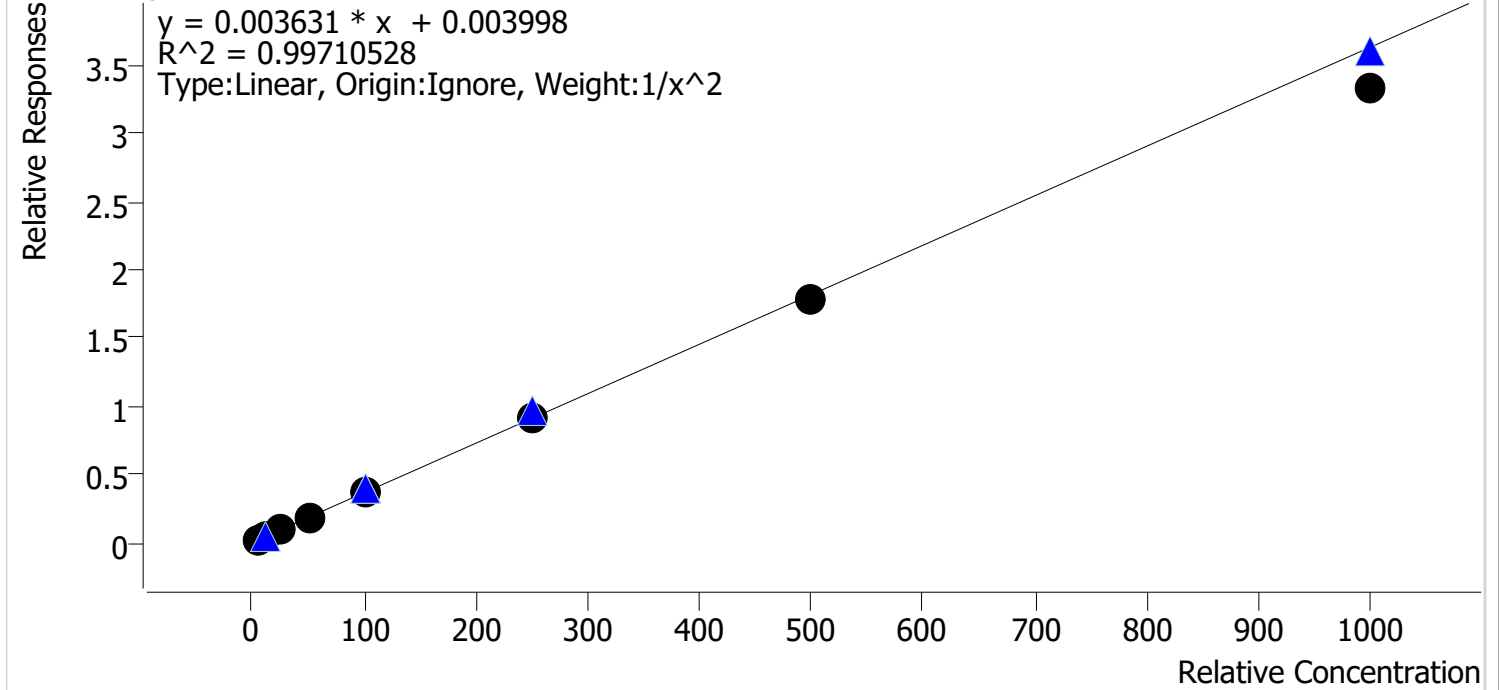


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.5	95.0
cal 3 mdq	3	✓	25.0	23.9	95.8
cal 4 mdq	4	✓	50.0	48.9	97.7
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdqr	6	✓	250.0	240.6	96.2
cal 7 mdq	7	✓	500.0	518.3	103.7
cal 8 mdq	8	✓	1000.0	1085.0	108.5

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Chlordiazepoxide	Internal Standard	Chlordiazepoxide-d5

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

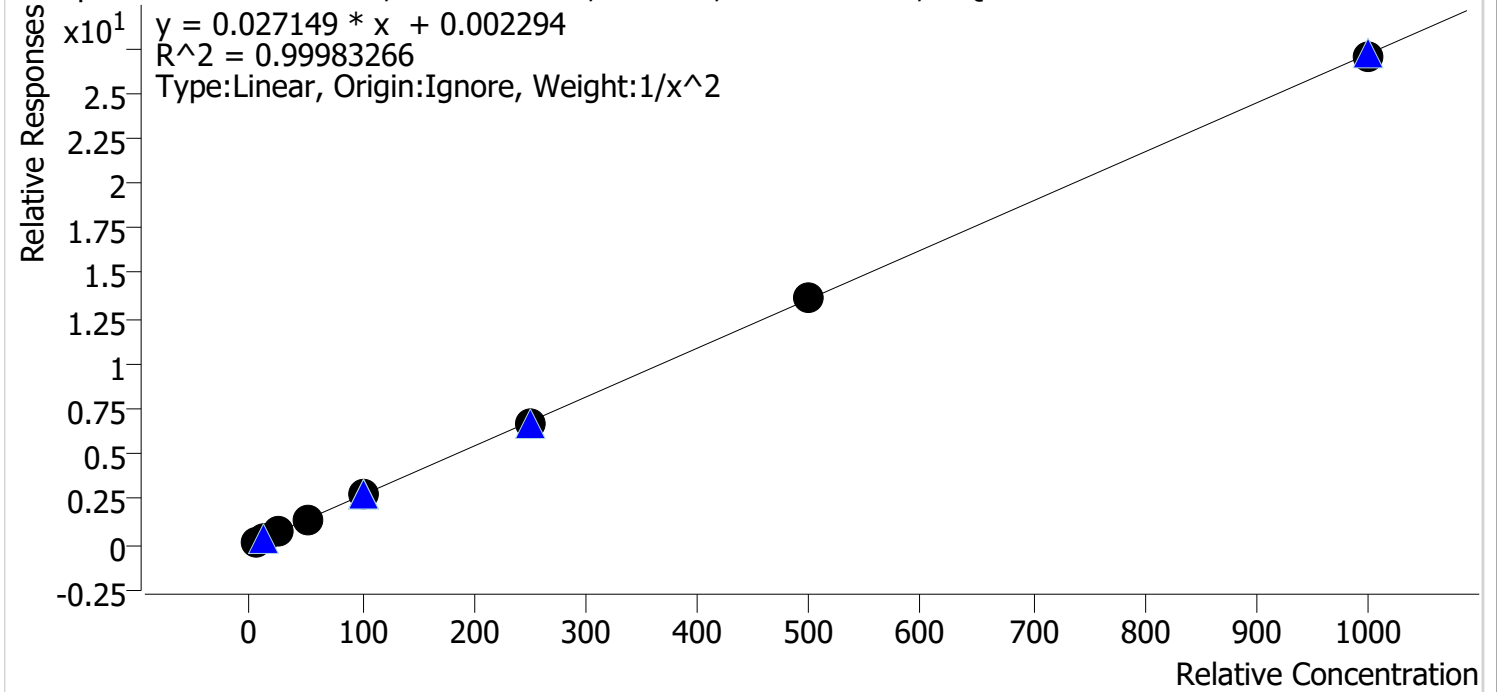


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	27.1	108.2
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdqr	6	✓	250.0	248.4	99.3
cal 7 mdq	7	✓	500.0	494.0	98.8
cal 8 mdq	8	✓	1000.0	915.1	91.5

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	Chlorpheniramine	Internal Standard	Chlorpheniramine-d6

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

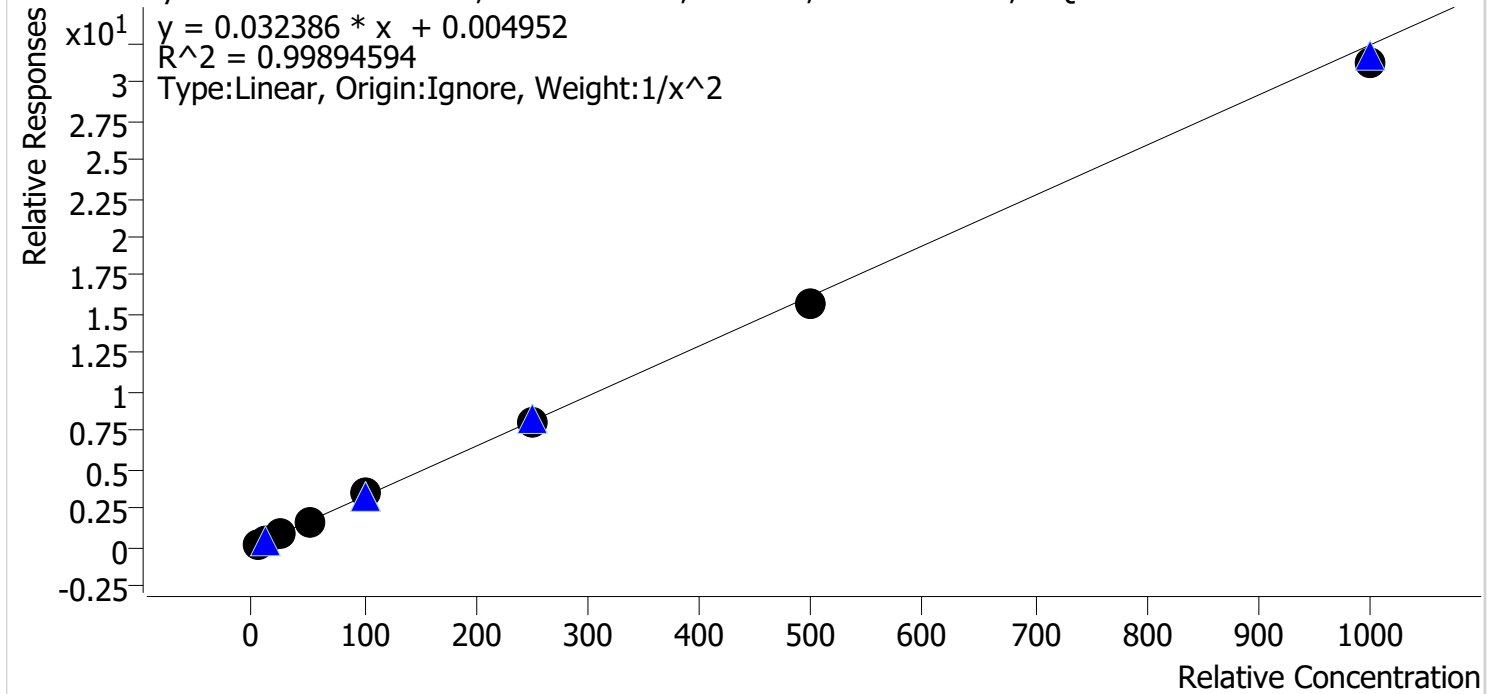


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.7	99.0
cal 4 mdq	4	✓	50.0	50.4	100.9
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdqr	6	✓	250.0	245.9	98.3
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	992.7	99.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin		
Last Cal. Update	3/10/2023 11:05 AM		
Analyst Name	ISP\datastor		
Analyte	O-Desmethylvenlafaxine	Internal Standard	O-Desmethylvenlafaxine-d6

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



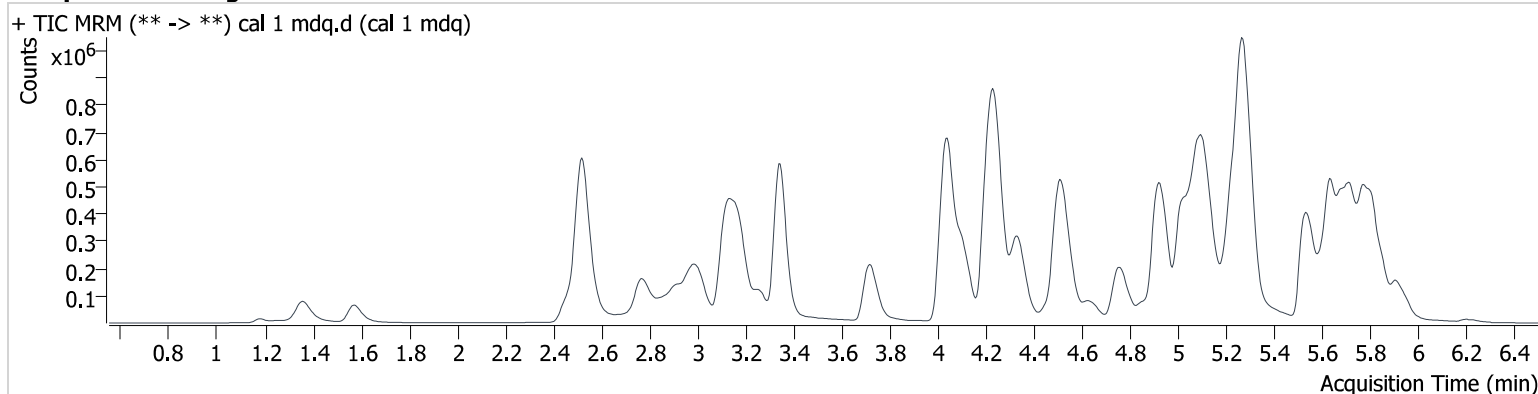
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdqr	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	483.7	96.7
cal 8 mdq	8	✓	1000.0	962.3	96.2

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-A5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 12:11:53 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.128	2045	4396.6	134.37	7566.5	94718	0.501 ng/ml
7-aminoclonazepam	4.247	29045	2823.5	124.42	3137.7	286417	4.708 ng/ml
a-hydroxyalprazolam	5.660	6472	523.6	66.01	6598602898 98.3	131570	4.747 ng/ml
alpha-PHP	4.910	35184	1821.3	253.10	3446.2	918276	5.080 ng/ml
alpha-PVP	4.342	125848	20902.6	53.30	5641.9	918276	5.070 ng/ml
Alprazolam	5.739	65800	∞	93.13	4919.1	295504	5.034 ng/ml
Amphetamine	3.005	95746	3833.7	257.43	27096.1	504230	4.760 ng/ml
Buprenorphine	5.773	4700	1515.5	16.98	∞	112713	0.546 ng/ml
Bupropion	4.771	115921	8017.6	76.66	2596.0	693653	4.983 ng/ml
Carisoprodol	5.695	46507	48041.2	64.34	330.9	300228	4.958 ng/ml
Chlordiazepoxide	5.823	14229	123.8	171.43	449.7	652684	4.903 ng/ml
Chlorpheniramine	5.094	203930	11743.5	0.29	3355.5	1482806	4.981 ng/ml
Citalopram	5.211	105965	3287.1	34.00	66978.4	729111	4.972 ng/ml
Clonazepam	5.582	37092	1727.4	31.09	∞	131570	5.028 ng/ml
Clonazolam	5.524	33319	1302.1	37.72	2773.6	226098	5.011 ng/ml
Cocaine	4.246	98187	14335.6	47.76	66194.1	1466927	5.044 ng/ml
Codeine	2.544	12942	3519.4	91.78	1343.8	93570	5.009 ng/ml
Cyclobenzaprine	5.606	100984	32971.4	9.04	1937.1	622545	4.955 ng/ml
Dextromethorphan	5.250	66859	∞	73.95	5878880.6	601187	5.033 ng/ml
Dextrorphan	4.111	79876	∞	45.92	∞	763173	5.445 ng/ml
Diazepam	5.917	48999	∞	83.09	11724.6	338146	5.014 ng/ml
Dihydrocodeine	2.497	31951	2985.1	64.47	1682.9	389496	4.756 ng/ml
Diphenhydramine	5.281	366239	43727.8	32.78	5366.2	2613531	5.085 ng/ml
Doxylamine	4.522	281608	13397.9	95.89	10864.6	1696895	4.929 ng/ml
Duloxetine	5.631	15430	247.1	10.88	85.6	81601	5.053 ng/ml
EDDP	5.239	110848	17938.4	40.82	6262.2	1000478	4.999 ng/ml
Etizolam	5.779	6712	6663.4	421.19	35611.4	338146	4.987 ng/ml
Fentanyl	5.093	9972	499.6	115.89	8209.6	869657	0.498 ng/ml
Flualprazolam	5.671	25547	∞	95.66	27838.9	226098	4.765 ng/ml
Fluorofentanyl	5.138	8048	4569.7	134.99	70.9	8296	0.514 ng/ml
Fluoxetine	5.698	95374	82570.3	5.95	3558.1	619201	4.955 ng/ml
Hydrocodone	2.997	48751	2074.1	36.92	812.8	476829	4.915 ng/ml

AM #28 Multi-Drug Quant. Results

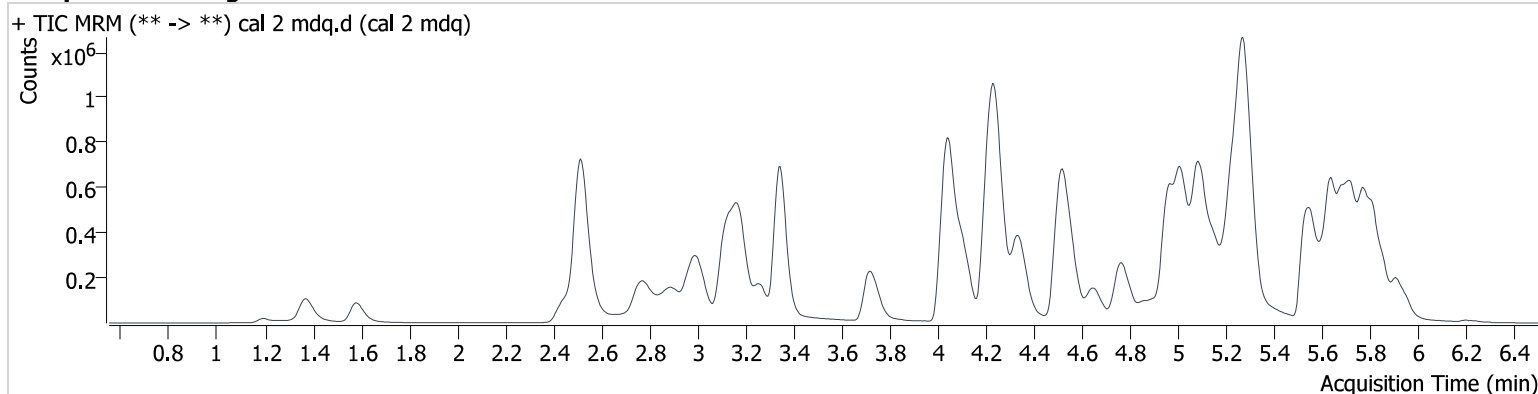
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	34314	722.1	75.18	1613.1	199754	4.995 ng/ml
Hydroxyzine	5.686	64049	7779.0	111.88	17165.0	254211	5.179 ng/ml
Ketamine	4.035	102709	18509.3	36.14	417.0	685090	4.780 ng/ml
Lamotrigine	4.284	7878	1977.0	104.87	17479.2	617780	5.085 ng/ml
Lorazepam	5.718	26791	∞	50.62	∞	521400	4.664 ng/ml
MDA	3.172	130086	2835.2	31.69	1276.0	617780	4.925 ng/ml
MDMA	3.269	79241	254343.1	110.26	8738.8	181855	5.082 ng/ml
Meprobamate	4.880	37237	1116.2	31.56	835.7	222700	4.822 ng/ml
Methadone	5.640	173210	4402.8	52.41	7031.5	1117145	5.039 ng/ml
Methamphetamine	3.183	341310	2995.5	39.68	1596.8	1401308	5.113 ng/ml
Metoprolol	4.303	22779	3432.3	97.74	6361.2	617780	5.103 ng/ml
Mirtazapine	4.631	158236	68357.2	51.08	∞	181855	5.147 ng/ml
Mitragynine	5.215	28705	10403.2	30.53	∞	617780	5.158 ng/ml
Morphine	1.186	5314	∞	20.07	∞	12919	5.065 ng/ml
Norbuprenorphine	4.988	1007	1355.9	103.00	1386.8	23909	0.484 ng/ml
Nordiazepam	5.866	38443	2824.9	60.62	5677.4	226098	5.034 ng/ml
Norfentanyl	4.061	2385	380.0	274.88	618.7	1393352	0.480 ng/ml
Noroxycodone	2.880	35794	601.4	52.39	480.2	255980	5.193 ng/ml
O-desmethyl-tramadol	3.350	213126	41883.3	6.55	915.5	1821613	5.017 ng/ml
O-Desmethylvenlafaxine	4.054	59216	399.8	242.34	1639.4	355371	4.992 ng/ml
Olanzapine	4.536	54063	668.0	42.32	230.9	264636	4.982 ng/ml
Oxazepam	5.730	50205	794.0	70.23	774.8	521400	4.927 ng/ml
Oxycodone	2.797	87141	3418.8	32.02	1135.0	584442	4.794 ng/ml
Oxymorphone	1.359	52611	∞	46.59	∞	343888	4.985 ng/ml
Phentermine	3.755	37218	534.2	12.57	194.0	795127	4.770 ng/ml
Promethazine	5.532	113377	∞	40.41	5836.6	1004498	5.129 ng/ml
Pseudoephedrine	2.531	284340	∞	17.41	∞	1992080	5.102 ng/ml
Quetiapine	5.539	94415	∞	65.43	156124.5	254211	5.086 ng/ml
Sertraline	5.760	34192	20479.5	95.22	816.2	245264	4.986 ng/ml
Temazepam	5.792	109610	6328.6	28.54	939.1	1057221	5.063 ng/ml
Tramadol	4.223	233790	∞	3.32	119.1	1809633	4.900 ng/ml
Trazodone	5.184	119034	∞	78.12	∞	924593	4.833 ng/ml
Venlafaxine	5.022	152809	1648.9	47.14	2640.3	1573438	5.209 ng/ml
Zolpidem	4.939	222639	834165.7	26.17	48246.0	1857971	4.900 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 12:20:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	3970	6213.1	149.27	15422.8	99206	0.978 ng/ml
7-aminoclonazepam	4.247	65559	7515.5	119.67	2725.3	324190	10.370 ng/ml
a-hydroxyalprazolam	5.666	12624	422.1	63.55	2301.0	131699	10.336 ng/ml
alpha-PHP	4.915	74408	3677.7	246.89	19736.5	959559	9.807 ng/ml
alpha-PVP	4.347	262846	120427.8	53.93	11900.4	959559	9.925 ng/ml
Alprazolam	5.744	141423	∞	91.70	1743.0	307129	10.030 ng/ml
Amphetamine	3.000	186848	2270.3	244.02	6703.2	521136	10.503 ng/ml
Benzoylcegonine	3.848	5185	20336.8	38.38	119.6	17344	10.332 ng/ml
Buprenorphine	5.830	9504	126.8	20.05	1127.2	116794	0.980 ng/ml
Bupropion	4.777	242245	16736.8	77.34	6430.2	742912	9.988 ng/ml
Carisoprodol	5.700	92861	63105.3	58.55	523.3	295101	10.185 ng/ml
Chlordiazepoxide	5.828	26813	13.2	173.40	645.3	664120	10.018 ng/ml
Chlorpheniramine	5.099	425113	33318.5	0.31	227.4	1539258	10.088 ng/ml
Citalopram	5.211	209331	3951.5	34.06	335435.0	722770	10.027 ng/ml
Clonazepam	5.588	74317	8541.6	33.97	∞	131699	9.981 ng/ml
Clonazolam	5.529	70867	23121.4	37.44	3935.4	229974	10.074 ng/ml
Cocaine	4.246	203194	816248.6	49.73	7697.7	1549394	9.889 ng/ml
Codeine	2.528	27403	17546.2	90.77	2154.6	102281	9.981 ng/ml
Cyclobenzaprine	5.611	214112	35809.4	8.36	375.2	632086	10.121 ng/ml
Dextromethorphan	5.250	140197	∞	71.26	∞	603620	10.125 ng/ml
Dextrorphan	4.111	169345	20083.3	44.85	∞	789790	10.424 ng/ml
Diazepam	5.922	102892	2175.2	86.54	3092.1	355748	9.981 ng/ml
Dihydrocodeine	2.482	69354	189.8	64.13	5451.8	419591	10.477 ng/ml
Diphenhydramine	5.281	757415	59459.9	31.69	59152.0	2663020	9.879 ng/ml
Doxylamine	4.527	608268	38281.4	91.47	82676.9	1809810	10.172 ng/ml
Duloxetine	5.641	31232	453.8	10.32	384.3	82626	10.081 ng/ml
EDDP	5.239	218379	20951.2	42.20	1887.8	983488	10.100 ng/ml
Etizolam	5.785	14075	11510.8	392.33	∞	355748	9.966 ng/ml
Fentanyl	5.098	21490	1228.6	115.99	49054.8	882025	1.027 ng/ml
Flualprazolam	5.671	53554	642.0	103.98	8298.3	229974	10.459 ng/ml
Fluorofentanyl	5.154	17275	3834.0	122.87	32.5	9216	0.977 ng/ml
Fluoxetine	5.693	197016	155919.7	6.67	13621.8	620470	10.169 ng/ml
Hydrocodone	2.997	99130	4452.7	38.35	526.4	513433	9.993 ng/ml

AM #28 Multi-Drug Quant. Results

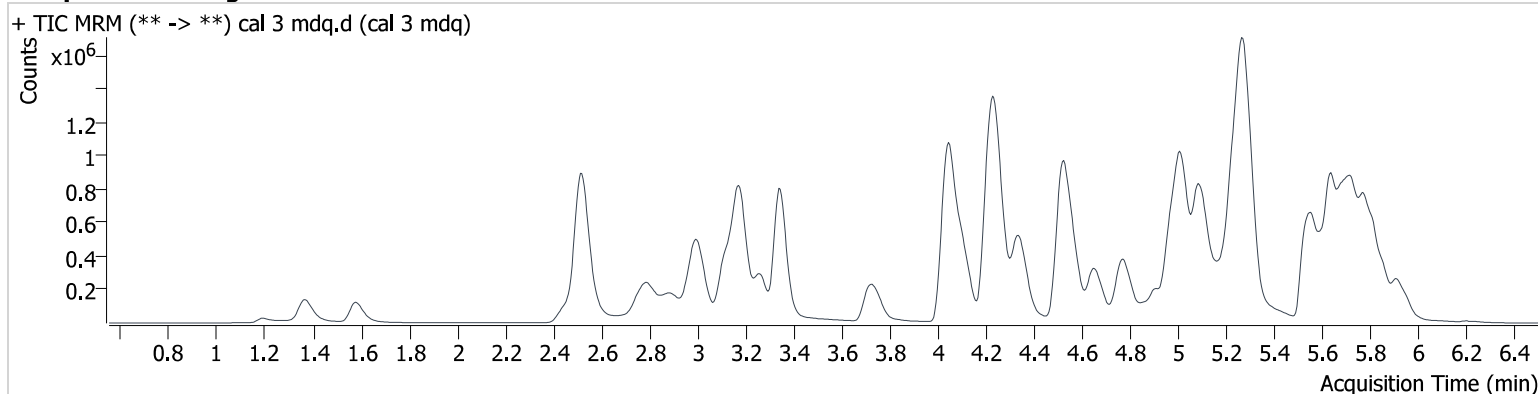
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.587	74582	3092.8	73.28	3889.5	216394	10.016 ng/ml
Hydroxyzine	5.701	129930	3269.5	117.09	49180.9	267541	9.502 ng/ml
Ketamine	4.040	212855	18654.5	34.78	3282.0	710196	10.424 ng/ml
Lamotrigine	4.290	15943	2145.0	104.50	1994.7	625412	9.736 ng/ml
Lorazepam	5.723	58161	∞	43.49	675.4	508988	10.864 ng/ml
MDA	3.172	261474	6621.4	30.80	2597.8	625412	10.224 ng/ml
MDMA	3.269	161440	∞	113.08	6319.5	195859	9.678 ng/ml
Meprobamate	4.880	78241	15555.4	31.50	630.4	239471	10.250 ng/ml
Methadone	5.640	345718	102452.8	54.48	9717.2	1131228	9.857 ng/ml
Methamphetamine	3.183	473909	27548.3	39.30	4896.0	1421817	9.102 ng/ml
Metoprolol	4.303	47912	104220.8	98.06	2061.6	625412	9.871 ng/ml
Mirtazapine	4.646	348143	57987.6	49.25	31628.3	195859	9.752 ng/ml
Mitragynine	5.230	57328	79081.2	29.62	19645.7	625412	9.639 ng/ml
Morphine	1.201	11493	∞	17.92	∞	14574	9.659 ng/ml
Norbuprenorphine	4.988	1855	451.1	86.61	3003.9	23459	1.047 ng/ml
Nordiazepam	5.866	77577	16961.6	60.05	4433.6	229974	9.969 ng/ml
Norfentanyl	4.066	4755	741.2	267.28	1489.5	1402419	1.032 ng/ml
Noroxycodone	2.874	70710	1557.0	52.55	583.9	265155	9.523 ng/ml
O-desmethyl-tramadol	3.350	447838	5879.7	6.64	5087.2	1959260	9.922 ng/ml
O-Desmethylvenlafaxine	4.054	122274	796.6	242.05	2045.0	376667	9.871 ng/ml
Olanzapine	4.567	126935	13228.4	42.23	2502.5	284409	10.255 ng/ml
Oxazepam	5.730	100151	3408.8	69.14	429.2	508988	10.132 ng/ml
Oxycodone	2.792	187010	26432.8	30.56	1452.9	625798	10.348 ng/ml
Oxymorphone	1.374	111073	∞	45.87	∞	363103	10.010 ng/ml
Phentermine	3.755	76331	1552.4	12.14	467.2	839506	10.209 ng/ml
Promethazine	5.537	253123	56145.6	39.63	4924.8	1143235	9.750 ng/ml
Pseudoephedrine	2.526	593624	32502.8	17.60	257181.1	2126691	9.786 ng/ml
Quetiapine	5.560	195744	472719.4	65.79	215586.8	267541	9.753 ng/ml
Sertraline	5.760	70815	87076.4	86.70	∞	265463	9.980 ng/ml
Temazepam	5.787	220090	218198.5	29.75	376.5	1066921	9.879 ng/ml
Tramadol	4.223	488472	∞	3.42	1253.8	1946491	10.033 ng/ml
Trazodone	5.226	249001	22913.1	76.27	302892.2	985934	10.256 ng/ml
Venlafaxine	5.022	309020	4563.9	47.47	1280.5	1694539	9.477 ng/ml
Zolpidem	4.980	465907	270526.6	27.48	148019.0	2001809	10.223 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 12:29:27 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.128	8806	∞	142.51	29977.8	88133	2.529 ng/ml
7-aminoclonazepam	4.247	145054	15154.8	118.31	13291.1	278683	28.243 ng/ml
a-hydroxyalprazolam	5.666	27536	924.7	68.13	369.6	113557	27.896 ng/ml
alpha-PHP	4.915	176767	7394.7	246.04	4747.3	885066	24.530 ng/ml
alpha-PVP	4.347	601076	26642.9	56.07	∞	885066	24.297 ng/ml
Alprazolam	5.739	311241	∞	91.42	5082.2	271364	24.450 ng/ml
Amphetamine	3.000	381590	3673.5	297.59	57749.0	467188	26.108 ng/ml
Benzoylcegonine	3.848	10706	977.1	42.59	188.2	15716	23.589 ng/ml
Buprenorphine	5.856	23769	610.7	17.88	4327.4	110592	2.439 ng/ml
Bupropion	4.777	558140	92784.3	75.85	58649.5	680936	25.529 ng/ml
Carisoprodol	5.695	183887	∞	63.15	∞	237639	25.208 ng/ml
Chlordiazepoxide	5.828	60085	510.4	167.72	57802.4	587753	27.053 ng/ml
Chlorpheniramine	5.099	957164	∞	0.33	∞	1419889	24.746 ng/ml
Citalopram	5.211	481774	55505.0	35.30	240212.9	657670	25.544 ng/ml
Clonazepam	5.583	158781	2816.1	33.65	183339.7	113557	24.607 ng/ml
Clonazolam	5.529	157925	30770.1	37.53	16032.3	203359	24.822 ng/ml
Cocaine	4.246	457140	1489144.4	49.18	455932.6	1396196	24.697 ng/ml
Codeine	2.539	57919	10379.2	92.31	2167.9	88630	24.771 ng/ml
Cyclobenzaprine	5.611	506885	312298.3	8.42	450.0	591856	25.271 ng/ml
Dextromethorphan	5.250	333398	∞	71.82	101851.9	567984	25.047 ng/ml
Dextrorphan	4.111	392164	∞	47.01	∞	758322	24.157 ng/ml
Diazepam	5.922	232135	∞	84.20	7377.8	319726	25.013 ng/ml
Dihydrocodeine	2.482	155636	6234.5	63.83	3232.6	377187	27.474 ng/ml
Diphenhydramine	5.281	1719904	72694.9	32.34	16523.9	2407851	24.160 ng/ml
Doxylamine	4.527	1392402	82738.2	93.73	599388.4	1660615	25.655 ng/ml
Duloxetine	5.636	68132	373.7	10.54	111.2	77637	23.381 ng/ml
EDDP	5.244	491159	11074.8	42.66	12351.6	911818	24.618 ng/ml
Etizolam	5.779	31874	∞	381.13	43248.9	319726	25.154 ng/ml
Fentanyl	5.098	47701	8233.4	119.88	136680.0	814889	2.429 ng/ml
Flualprazolam	5.671	119998	22473.8	95.95	∞	203359	27.424 ng/ml
Fluorofentanyl	5.159	39318	23613.2	125.73	255.0	8466	2.397 ng/ml
Fluoxetine	5.693	436427	364241.1	6.22	29909.2	554504	25.143 ng/ml
Hydrocodone	2.997	221834	1190.7	37.38	8397.4	448371	26.856 ng/ml

AM #28 Multi-Drug Quant. Results

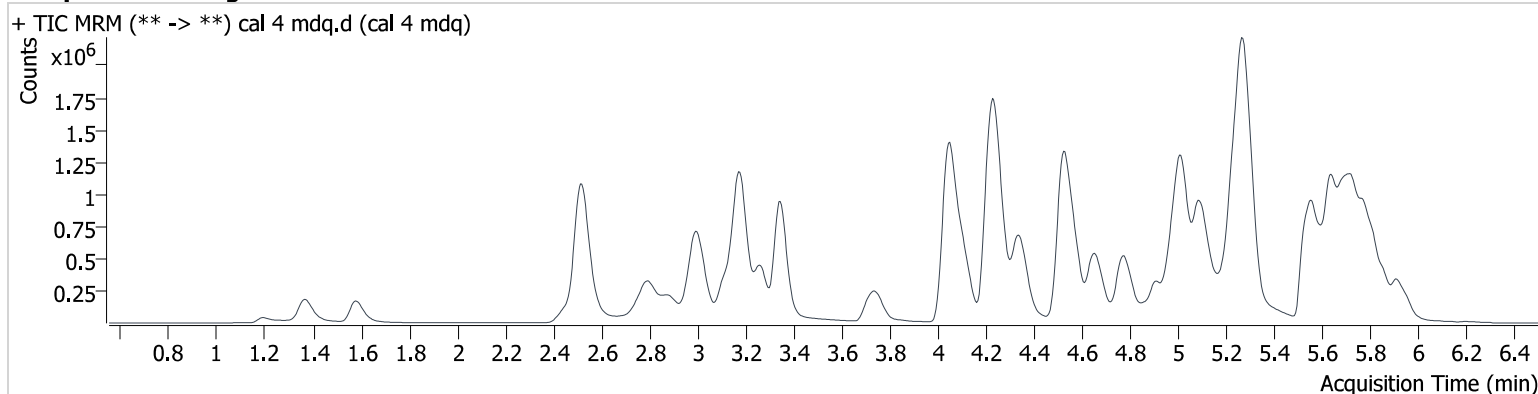
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	166437	8417.2	73.83	4475.8	192596	25.106 ng/ml
Hydroxyzine	5.701	302001	670.5	114.25	172263.9	238497	23.943 ng/ml
Ketamine	4.045	461891	33877.7	37.15	20217.9	629866	26.762 ng/ml
Lamotrigine	4.290	35790	3662.4	99.59	1480.4	548664	24.245 ng/ml
Lorazepam	5.723	123986	∞	43.30	∞	441417	27.293 ng/ml
MDA	3.172	554673	12411.3	30.31	27286.3	548664	25.365 ng/ml
MDMA	3.264	368261	127729.6	111.30	59022.0	171638	25.307 ng/ml
Meprobamate	4.880	166954	10942.3	32.04	6681.1	209065	26.306 ng/ml
Methadone	5.640	843311	8029.7	52.30	15495.5	1090205	24.832 ng/ml
Methamphetamine	3.183	969614	99935.9	39.49	6246.4	1340170	26.446 ng/ml
Metoprolol	4.303	104651	380005.0	99.44	22962.1	548664	23.567 ng/ml
Mirtazapine	4.652	796742	42840.0	48.17	38731.3	171638	24.293 ng/ml
Mitragynine	5.235	126963	∞	29.12	69958.4	548664	23.492 ng/ml
Morphine	1.196	26336	56657.3	19.42	∞	13076	24.583 ng/ml
Norbuprenorphine	4.978	3870	1363.3	101.62	4386.3	21146	2.630 ng/ml
Nordiazepam	5.866	170164	188907.7	60.25	311092.7	203359	24.700 ng/ml
Norfentanyl	4.061	10727	2917.0	268.47	1742.4	1243908	2.754 ng/ml
Noroxycodone	2.874	159919	1376.6	51.24	456.0	230208	24.132 ng/ml
O-desmethyl-tramadol	3.345	997056	132177.3	6.43	4725.0	1749249	24.931 ng/ml
O-Desmethylvenlafaxine	4.054	278420	1976.7	238.51	440.4	333215	25.647 ng/ml
Olanzapine	4.577	275811	1540.8	42.98	1441.5	249718	24.596 ng/ml
Oxazepam	5.730	220303	∞	67.09	7900.4	441417	25.796 ng/ml
Oxycodone	2.792	418437	32182.4	30.29	2497.6	555574	27.200 ng/ml
Oxymorphone	1.369	243776	∞	47.14	∞	316415	25.274 ng/ml
Phentermine	3.755	175222	∞	11.74	1057.6	754184	27.644 ng/ml
Promethazine	5.532	556790	29187.6	40.71	67138.9	1003915	23.938 ng/ml
Pseudoephedrine	2.526	1328501	∞	17.47	18015.6	1887112	24.377 ng/ml
Quetiapine	5.565	446849	756089.3	65.13	158185.9	238497	24.545 ng/ml
Sertraline	5.765	153414	106102.7	99.60	1376.8	232371	25.408 ng/ml
Temazepam	5.787	491866	17971.1	29.70	2757.4	946988	24.573 ng/ml
Tramadol	4.223	1100905	∞	3.35	∞	1710428	26.588 ng/ml
Trazodone	5.241	595758	34545.8	70.71	61717.2	928850	27.290 ng/ml
Venlafaxine	5.022	720760	1605013528 67393.0	47.76	2197.4	1547478	23.668 ng/ml
Zolpidem	4.990	1024176	7190.0	27.68	23939.7	1828363	25.661 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 12:38:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	15838	40190.3	136.05	151492.1	78112	5.192 ng/ml
7-aminoclonazepam	4.242	247518	20872.3	110.99	2491.0	246469	55.409 ng/ml
a-hydroxyalprazolam	5.660	42118	1512.4	64.41	874.4	88357	55.944 ng/ml
alpha-PHP	4.915	305049	4846.3	253.21	12269.7	770547	48.168 ng/ml
alpha-PVP	4.347	1034498	∞	54.93	45574.8	770547	47.827 ng/ml
Alprazolam	5.744	501658	4404.3	93.21	∞	221306	47.974 ng/ml
Amphetamine	2.995	663190	23053.7	273.34	560762.9	385851	56.824 ng/ml
Benzoylcegonine	3.848	17957	∞	42.07	100.5	13237	47.007 ng/ml
Buprenorphine	5.856	43261	3133.1	15.80	∞	97301	4.950 ng/ml
Bupropion	4.777	917148	446043.8	78.23	31229.2	587806	48.848 ng/ml
Carisoprodol	5.695	283494	241907.7	62.38	2388.9	187888	49.258 ng/ml
Chlordiazepoxide	5.828	93159	1586.9	174.00	2002.5	494581	50.775 ng/ml
Chlorpheniramine	5.099	1673026	96239.9	0.30	508.3	1219659	50.441 ng/ml
Citalopram	5.211	798139	39703.1	35.31	345467.6	557508	50.035 ng/ml
Clonazepam	5.583	248647	69410.1	35.66	282747.8	88357	49.440 ng/ml
Clonazolam	5.524	256365	177189.1	38.94	30624.4	169728	47.927 ng/ml
Cocaine	4.246	767703	142180.3	49.06	29356.0	1175836	49.254 ng/ml
Codeine	2.539	96304	1751.3	94.20	8286.2	74515	49.278 ng/ml
Cyclobenzaprine	5.611	863728	243519.0	7.92	∞	505612	50.199 ng/ml
Dextromethorphan	5.250	560283	76330.4	71.63	∞	486640	48.787 ng/ml
Dextrorphan	4.111	696138	150998.6	45.35	∞	652832	49.071 ng/ml
Diazepam	5.922	382587	∞	86.03	∞	270004	48.791 ng/ml
Dihydrocodeine	2.482	262451	674.2	62.56	624.8	333826	53.145 ng/ml
Diphenhydramine	5.281	2933629	2412516.2	32.11	89454.3	2050861	47.953 ng/ml
Doxylamine	4.528	2376990	333460.6	94.36	∞	1475171	49.472 ng/ml
Duloxetine	5.636	115450	1062.4	10.04	281.4	64427	47.721 ng/ml
EDDP	5.239	806455	54010.4	43.17	9189.9	749564	49.252 ng/ml
Etizolam	5.779	54151	97846.3	382.22	∞	270004	50.631 ng/ml
Fentanyl	5.098	82701	6524.1	119.96	11010.8	698402	4.885 ng/ml
Flualprazolam	5.671	192285	∞	98.43	11225.6	169728	53.205 ng/ml
Fluorofentanyl	5.159	67809	48277.2	127.24	1114.3	7728	4.514 ng/ml
Fluoxetine	5.698	701640	∞	6.77	∞	452377	49.505 ng/ml
Hydrocodone	2.997	353072	1216.7	39.03	∞	378854	51.294 ng/ml

AM #28 Multi-Drug Quant. Results

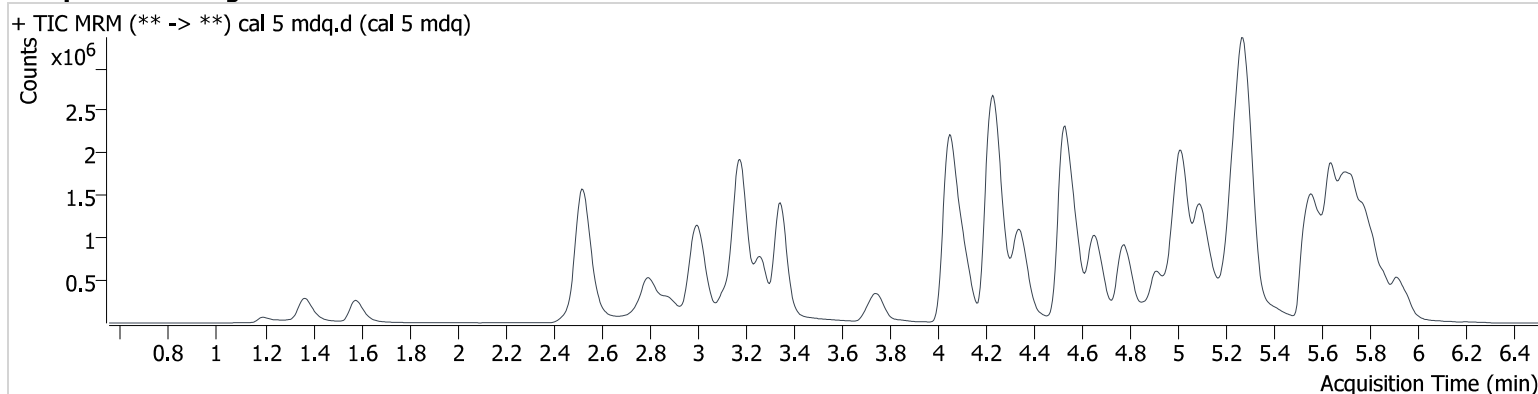
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	287968	11613.7	74.47	4606.7	169485	49.357 ng/ml
Hydroxyzine	5.701	525469	1725.1	113.44	11633.0	201032	48.873 ng/ml
Ketamine	4.045	770983	147845.8	37.44	4095.7	537230	53.206 ng/ml
Lamotrigine	4.290	58915	2806.8	100.66	∞	445719	48.690 ng/ml
Lorazepam	5.718	188561	2876.1	43.03	546.9	345033	53.485 ng/ml
MDA	3.172	897578	56262.5	30.00	4451.7	445719	50.975 ng/ml
MDMA	3.264	629157	∞	111.35	35294.7	153602	48.379 ng/ml
Meprobamate	4.875	274535	3315.3	31.91	5137.8	162343	56.675 ng/ml
Methadone	5.640	1447221	11961.4	52.10	16839.4	931587	49.793 ng/ml
Methamphetamine	3.183	1545997	∞	41.29	20661.9	1166333	53.206 ng/ml
Metoprolol	4.303	172626	∞	99.32	∞	445719	47.154 ng/ml
Mirtazapine	4.652	1354947	∞	48.56	78936.9	153602	45.506 ng/ml
Mitragynine	5.230	213175	17547.3	29.09	50492.0	445719	47.966 ng/ml
Morphine	1.196	46211	69463.0	18.75	∞	10674	52.774 ng/ml
Norbuprenorphine	4.978	6119	17477.9	99.24	17055.9	18812	4.797 ng/ml
Nordiazepam	5.866	278901	∞	60.81	3270.6	169728	48.487 ng/ml
Norfentanyl	4.061	16568	2367.9	294.71	1459.8	1054342	5.086 ng/ml
Noroxycodone	2.874	264775	4177.1	51.28	2223.7	192855	47.282 ng/ml
O-desmethyl-tramadol	3.345	1711892	48914.5	6.53	19299.3	1500107	50.039 ng/ml
O-Desmethylvenlafaxine	4.054	465245	1835.0	240.67	8227.5	283679	50.488 ng/ml
Olanzapine	4.582	512909	1763.0	44.06	1107.7	237827	47.521 ng/ml
Oxazepam	5.730	329200	∞	71.61	∞	345033	49.371 ng/ml
Oxycodone	2.792	709326	34500.4	29.82	11626.8	480863	53.979 ng/ml
Oxymorphone	1.369	422294	∞	46.20	∞	278918	49.708 ng/ml
Phentermine	3.755	297757	∞	10.75	3728.2	643297	56.067 ng/ml
Promethazine	5.537	1146601	1162446.4	39.18	358624.9	1028733	47.780 ng/ml
Pseudoephedrine	2.521	2209576	∞	17.58	∞	1602183	47.562 ng/ml
Quetiapine	5.565	757902	836666.9	63.89	∞	201032	49.110 ng/ml
Sertraline	5.765	244608	443589.0	100.80	5621.1	190238	49.939 ng/ml
Temazepam	5.792	781806	10271.9	30.04	1908.4	758237	48.586 ng/ml
Tramadol	4.218	1857827	∞	3.38	2272.4	1484105	52.227 ng/ml
Trazodone	5.246	977761	119991.5	70.72	40673.3	813230	51.862 ng/ml
Venlafaxine	5.022	1220528	29722.9	46.98	10296.9	1311798	46.936 ng/ml
Zolpidem	4.996	1745365	367973.6	27.02	117277.5	1585580	51.151 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 12:46:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	30694	∞	135.73	∞	72925	10.841 ng/ml
7-aminoclonazepam	4.247	402054	4790.5	120.32	2774.4	206732	108.228 ng/ml
a-hydroxyalprazolam	5.660	65112	3282.3	67.06	1216.3	73787	104.536 ng/ml
alpha-PHP	4.915	604509	68214.9	254.51	10954.4	723040	101.209 ng/ml
alpha-PVP	4.347	2001038	128583.4	55.91	67823.4	723040	98.368 ng/ml
Alprazolam	5.744	867359	3380.4	94.82	7561.6	187088	97.743 ng/ml
Amphetamine	3.000	1158299	28090.5	265.33	64253.8	360615	107.674 ng/ml
Benzoylcegonine	3.848	36230	44699.8	44.65	557.9	12498	100.497 ng/ml
Buprenorphine	5.856	90606	16822.1	16.41	11416.0	101282	9.869 ng/ml
Bupropion	4.777	1889811	122382.6	75.68	37608.2	568335	104.415 ng/ml
Carisoprodol	5.700	436762	∞	61.95	2452.9	147461	96.801 ng/ml
Chlordiazepoxide	5.828	167100	139.5	168.68	2104.2	444897	102.341 ng/ml
Chlorpheniramine	5.099	3316991	96877.5	0.32	∞	1201174	101.630 ng/ml
Citalopram	5.206	1476512	28838.9	36.27	92090.5	519679	99.418 ng/ml
Clonazepam	5.588	417211	∞	33.85	∞	73787	99.252 ng/ml
Clonazolam	5.524	468725	141690.6	37.48	39769.0	151771	97.608 ng/ml
Cocaine	4.246	1431420	83026.1	49.25	1425384.9	1081680	99.835 ng/ml
Codeine	2.544	164487	20353.3	93.33	4184.3	62065	101.362 ng/ml
Cyclobenzaprine	5.611	1614221	449423.9	8.83	∞	472746	100.131 ng/ml
Dextromethorphan	5.250	1020172	214349.1	73.22	53754.3	426939	100.874 ng/ml
Dextrorphan	4.111	1333667	65044.0	45.76	∞	629667	96.782 ng/ml
Diazepam	5.922	735060	∞	86.02	6014.2	252905	100.050 ng/ml
Dihydrocodeine	2.487	477321	11435.6	61.88	435.6	311817	104.311 ng/ml
Diphenhydramine	5.286	5518406	510894.5	31.68	3744080.8	1869755	98.484 ng/ml
Doxylamine	4.527	4703568	438416.1	94.63	1260766.4	1414634	102.281 ng/ml
Duloxetine	5.636	208335	1782.5	10.77	481.9	51617	107.464 ng/ml
EDDP	5.239	1518985	47682.6	42.91	86880.6	695350	100.085 ng/ml
Etizolam	5.779	101578	∞	382.77	7778.6	252905	101.423 ng/ml
Fentanyl	5.098	160731	8913.4	120.02	400754.2	670200	9.866 ng/ml
Flualprazolam	5.671	323122	∞	97.63	5121.3	151771	100.514 ng/ml
Fluorofentanyl	5.159	142692	48915.9	119.91	1023.7	7172	10.214 ng/ml
Fluoxetine	5.698	1272281	130160.5	6.65	78880.4	401803	101.020 ng/ml
Hydrocodone	2.997	636112	4897.0	38.85	3763.1	346599	101.790 ng/ml

AM #28 Multi-Drug Quant. Results

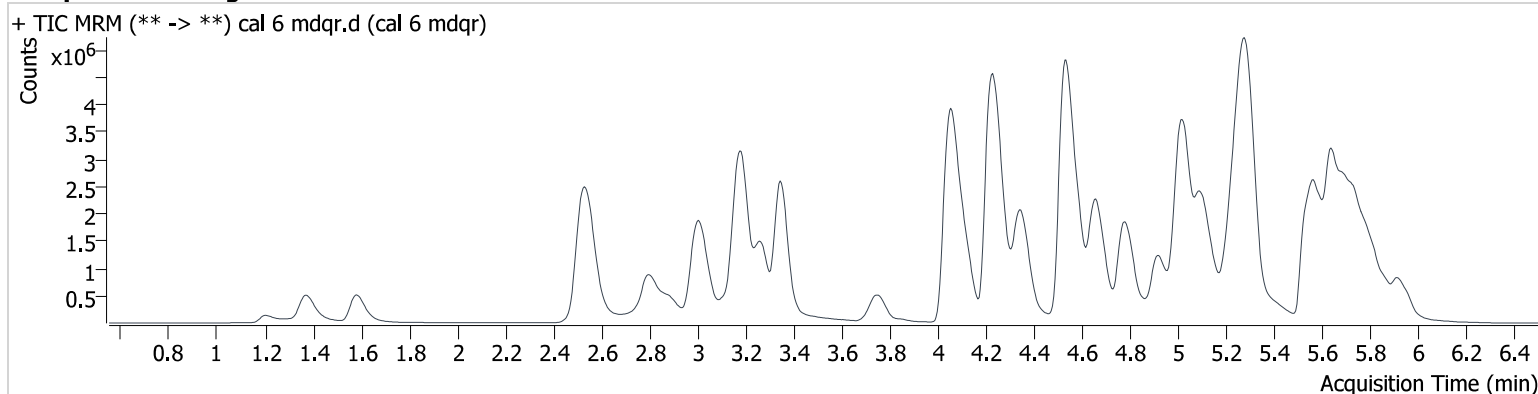
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	524630	7252.5	73.82	4845.6	150507	101.253 ng/ml
Hydroxyzine	5.701	1004496	220818.3	113.05	285782.2	187734	99.502 ng/ml
Ketamine	4.040	1411142	356159.4	37.37	5803.1	493132	106.956 ng/ml
Lamotrigine	4.290	108378	2346.2	95.78	760354.1	376000	105.671 ng/ml
Lorazepam	5.718	259202	4885.8	45.69	2336.9	238940	106.565 ng/ml
MDA	3.167	1468824	20484.4	30.46	14810.2	376000	99.310 ng/ml
MDMA	3.264	1184932	2441980.6	112.10	72714.6	141276	99.141 ng/ml
Meprobamate	4.875	476704	108874.0	32.32	3042.4	155687	103.320 ng/ml
Methadone	5.640	2886394	2826656.2	51.66	∞	905473	102.093 ng/ml
Methamphetamine	3.183	2988354	90622.3	39.84	97226.2	1116170	113.296 ng/ml
Metoprolol	4.303	313898	660007.8	97.40	∞	376000	100.858 ng/ml
Mirtazapine	4.652	2565344	179592.2	50.07	96109.9	141276	92.902 ng/ml
Mitragynine	5.235	388766	24200.9	30.67	234174.7	376000	103.054 ng/ml
Morphine	1.196	82910	∞	20.09	∞	9766	103.439 ng/ml
Norbuprenorphine	4.978	11812	10082.4	101.06	8662.8	16919	10.477 ng/ml
Nordiazepam	5.866	512766	∞	59.82	∞	151771	99.673 ng/ml
Norfentanyl	4.066	28387	4549.3	279.24	914.9	884835	10.470 ng/ml
Noroxycodone	2.874	470047	9559.5	51.22	1064.4	171995	93.701 ng/ml
O-desmethyl-tramadol	3.345	3330409	129347.3	6.39	26214.7	1439967	101.544 ng/ml
O-Desmethylvenlafaxine	4.054	892949	2116.1	239.25	1822.3	263166	104.618 ng/ml
Olanzapine	4.582	981750	1565.2	43.94	777.0	219150	98.138 ng/ml
Oxazepam	5.725	495275	∞	69.38	6271.7	238940	107.331 ng/ml
Oxycodone	2.792	1252821	89302.4	32.65	15638.5	454490	101.510 ng/ml
Oxymorphone	1.364	808652	∞	46.91	∞	262775	101.077 ng/ml
Phentermine	3.755	538931	∞	10.94	1879.7	606412	108.572 ng/ml
Promethazine	5.537	2215791	770013.9	38.91	∞	965124	98.077 ng/ml
Pseudoephedrine	2.526	4101621	∞	17.42	∞	1432513	98.531 ng/ml
Quetiapine	5.565	1442037	380423.5	65.33	∞	187734	99.774 ng/ml
Sertraline	5.765	452475	∞	100.66	16871.9	174402	101.255 ng/ml
Temazepam	5.792	1378849	26296.8	29.59	7199.6	655237	98.954 ng/ml
Tramadol	4.217	3566344	∞	3.30	∞	1423826	105.048 ng/ml
Trazodone	5.246	1751921	∞	71.89	∞	736658	103.372 ng/ml
Venlafaxine	5.022	2389299	31881.1	45.31	21236.6	1199853	100.061 ng/ml
Zolpidem	4.996	3270872	83884616.0	28.27	226707.8	1472075	104.014 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 6 mdqr.d
Type	Cal	Sample	cal 6 mdqr
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F5	Comment	
Injection Volume	3		
Acq. Date-Time	3/10/2023 10:18:03 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	68729	127366.6	133.51	16319.7	69741	25.460 ng/ml
7-aminoclonazepam	4.252	243758	27264.8	113.92	21769.9	49909	273.289 ng/ml
a-hydroxyalprazolam	5.660	72744	1345.6	71.28	746.7	38525	224.990 ng/ml
alpha-PHP	4.920	1335422	95589.5	252.76	251847.6	641014	251.501 ng/ml
alpha-PVP	4.352	4489180	268281.0	52.76	48988.5	641014	248.599 ng/ml
Alprazolam	5.744	1515145	5458.3	95.26	4243.9	121912	261.425 ng/ml
Amphetamine	3.010	1981323	39417.9	266.00	∞	295008	227.003 ng/ml
Benzoylcegonine	3.848	93873	129503.8	43.13	1310.1	13062	249.179 ng/ml
Buprenorphine	5.866	194653	25208.5	16.01	18130.5	88442	24.149 ng/ml
Bupropion	4.782	4172472	200788.0	76.90	1073020.6	525086	249.911 ng/ml
Carisoprodol	5.705	539393	4971240.5	59.92	6457.4	69194	254.951 ng/ml
Chlordiazepoxide	5.833	303412	364.4	154.39	8940.1	334971	248.361 ng/ml
Chlorpheniramine	5.104	7326431	∞	0.34	3212.3	1097282	245.851 ng/ml
Citalopram	5.206	2567971	121791.7	39.11	4008574.0	354984	253.316 ng/ml
Clonazepam	5.588	541166	909009.6	31.98	260532.6	38525	246.450 ng/ml
Clonazolam	5.524	775322	∞	37.57	∞	96169	254.202 ng/ml
Cocaine	4.251	3149948	567294.6	48.28	1128543.9	917970	258.884 ng/ml
Codeine	2.559	313900	4580.2	90.42	5129.2	42790	281.091 ng/ml
Cyclobenzaprine	5.611	2924152	606134.0	8.97	∞	331165	258.604 ng/ml
Dextromethorphan	5.249	1904533	170119.1	70.67	44186.1	319276	251.292 ng/ml
Dextrorphan	4.116	2831996	1009885.8	45.24	208304.0	544509	236.640 ng/ml
Diazepam	5.922	1322357	∞	85.72	∞	179556	253.471 ng/ml
Dihydrocodeine	2.497	908800	7632.2	63.45	1839.4	284715	218.466 ng/ml
Diphenhydramine	5.292	10525527	5295935.4	30.81	57419.8	1395153	251.076 ng/ml
Doxylamine	4.533	11077819	1327875.0	94.48	415271.0	1328676	256.756 ng/ml
Duloxetine	5.641	321354	1230.2	10.78	120.6	36369	235.236 ng/ml
EDDP	5.239	3297856	83373.3	44.84	3547249.1	619749	243.917 ng/ml
Etizolam	5.785	196342	2443.4	383.93	5990.2	179556	276.176 ng/ml
Fentanyl	5.103	310038	1784.4	121.46	1925460.6	519771	24.498 ng/ml
Flualprazolam	5.671	469072	28835.7	94.38	87052.5	96169	231.054 ng/ml
Fluorofentanyl	5.164	313042	232830.4	125.92	1003.1	6570	24.437 ng/ml
Fluoxetine	5.703	1936727	∞	6.84	161542.5	249275	247.809 ng/ml
Hydrocodone	2.997	1252107	∞	38.48	6323.3	286095	243.841 ng/ml

AM #28 Multi-Drug Quant. Results

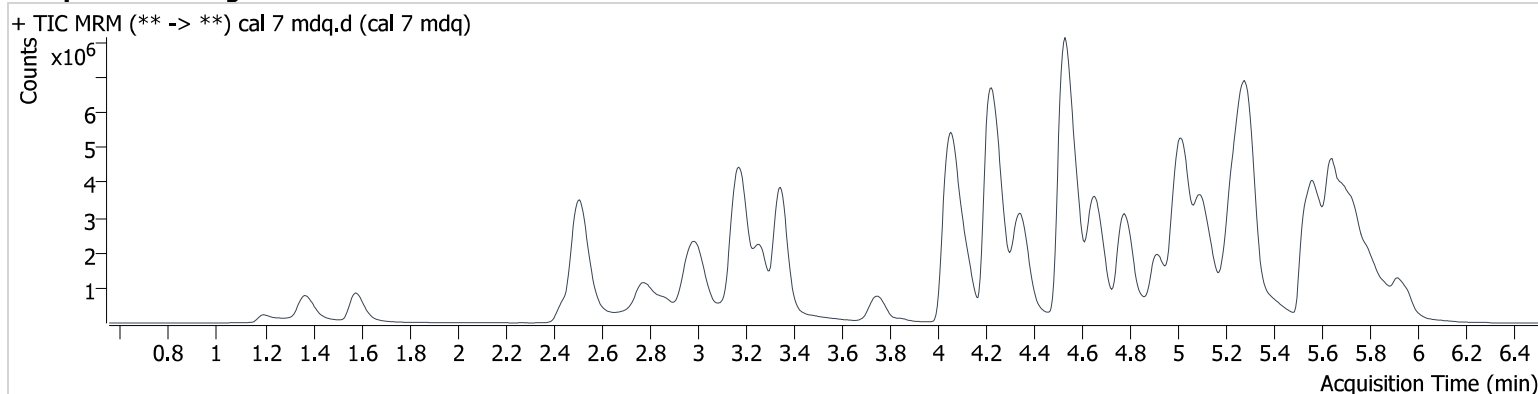
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	1193953	8982.8	74.10	∞	138796	249.867 ng/ml
Hydroxyzine	5.701	1958236	259036.6	115.45	1995.4	150919	240.555 ng/ml
Ketamine	4.045	2791331	141024.6	37.49	9336.2	414915	252.624 ng/ml
Lamotrigine	4.290	187327	6104.9	97.93	∞	238488	287.224 ng/ml
Lorazepam	5.738	223280	4569.6	47.81	1619.2	105051	209.177 ng/ml
MDA	3.162	2258170	65753.8	28.97	28037.9	238488	241.358 ng/ml
MDMA	3.264	2560450	7623000.2	107.74	123606.1	116371	260.193 ng/ml
Meprobamate	4.880	751949	16721.5	32.53	6669.4	105566	241.507 ng/ml
Methadone	5.645	6007424	1419366.2	50.45	269702.6	761946	252.397 ng/ml
Methamphetamine	3.183	5864475	∞	40.18	2108653.0	1057320	240.835 ng/ml
Metoprolol	4.308	567192	560273.4	98.32	∞	238488	286.072 ng/ml
Mirtazapine	4.657	5745552	529082.7	49.43	368460.4	116371	251.348 ng/ml
Mitragynine	5.235	623033	10783.3	31.82	9932.5	238488	259.539 ng/ml
Morphine	1.206	200860	∞	19.32	∞	9395	260.392 ng/ml
Norbuprenorphine	4.978	22277	23901.4	97.62	250771.6	13558	24.870 ng/ml
Nordiazepam	5.871	804175	30938.5	60.46	16911.3	96169	246.668 ng/ml
Norfentanyl	4.066	48035	42323.4	284.68	2701.6	593727	26.531 ng/ml
Noroxycodone	2.880	859646	∞	50.37	14873.7	121265	242.385 ng/ml
O-desmethyl-tramadol	3.349	7765450	472352.5	6.28	231773.2	1350614	252.620 ng/ml
O-Desmethylvenlafaxine	4.054	1813582	21941.4	248.57	103111.1	223188	250.753 ng/ml
Olanzapine	4.593	2228194	4892.3	46.10	648.3	199395	244.010 ng/ml
Oxazepam	5.735	501846	77445.6	71.26	5653.3	105051	247.445 ng/ml
Oxycodone	2.792	2533072	∞	32.37	37075.0	406839	230.209 ng/ml
Oxymorphone	1.369	1762657	∞	46.48	∞	223883	258.661 ng/ml
Phentermine	3.755	1045541	∞	10.66	7686.0	517515	248.089 ng/ml
Promethazine	5.537	4586334	20978376.1	37.99	79632.1	785781	248.837 ng/ml
Pseudoephedrine	2.531	8670485	∞	16.77	∞	1166110	255.551 ng/ml
Quetiapine	5.570	2983670	1583236.5	61.25	1915343.4	150919	256.363 ng/ml
Sertraline	5.760	768739	551970.9	100.99	37559.0	118583	253.726 ng/ml
Temazepam	5.792	1950777	83815.8	31.19	9559.3	373537	245.285 ng/ml
Tramadol	4.217	7537513	∞	3.29	∞	1279989	247.708 ng/ml
Trazodone	5.257	3081075	322823.9	71.64	∞	636272	211.317 ng/ml
Venlafaxine	5.027	4914223	387368.1	44.32	34638.1	967904	254.584 ng/ml
Zolpidem	5.006	7240225	∞	28.22	143290.5	1372826	247.916 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 1:04:17 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	115240	∞	138.14	292904.4	62577	47.627 ng/ml
7-aminoclonazepam	4.247	732213	120204.8	115.67	77943.1	86184	476.121 ng/ml
a-hydroxyalprazolam	5.660	79666	∞	66.74	459.1	21900	434.509 ng/ml
alpha-PHP	4.920	2166445	37305.5	250.97	∞	509261	513.084 ng/ml
alpha-PVP	4.347	7393347	207362.5	53.62	126182.6	509261	515.124 ng/ml
Alprazolam	5.744	2099039	7093.4	91.54	103420.1	85477	516.195 ng/ml
Amphetamine	2.969	3247586	176631.2	253.42	148501.5	264724	416.057 ng/ml
Benzoylcegonine	3.848	181702	1074543.6	43.21	2886.3	12394	508.352 ng/ml
Buprenorphine	5.861	336857	167143.9	16.10	33290.2	73891	49.924 ng/ml
Bupropion	4.777	7526788	2162690.5	71.82	76972.1	474231	499.441 ng/ml
Carisoprodol	5.705	668360	777861.0	63.52	429049.8	42173	518.433 ng/ml
Chlordiazepoxide	5.833	427933	7629.8	143.31	332669.1	238049	493.994 ng/ml
Chlorpheniramine	5.099	12761358	∞	0.34	82849.7	936335	501.925 ng/ml
Citalopram	5.200	3546920	219653.7	37.88	176509.9	248325	500.281 ng/ml
Clonazepam	5.588	626000	3137919.2	32.99	33061.4	21900	501.418 ng/ml
Clonazolam	5.518	1047691	∞	39.30	110536.4	63179	522.473 ng/ml
Cocaine	4.251	4449756	230169.9	48.95	∞	672026	499.557 ng/ml
Codeine	2.539	464915	17489.4	95.28	6940.1	37027	481.333 ng/ml
Cyclobenzaprine	5.606	4329578	2166673.6	8.64	∞	264633	478.985 ng/ml
Dextromethorphan	5.250	2654677	52312.7	72.04	∞	227792	490.602 ng/ml
Dextrorphan	4.111	4551900	498088.2	45.21	669126.8	422915	488.966 ng/ml
Diazepam	5.922	2397926	∞	84.46	∞	161651	510.522 ng/ml
Dihydrocodeine	2.447	1715213	21246.0	64.58	50692.5	255118	461.128 ng/ml
Diphenhydramine	5.292	16012012	∞	30.85	186419.7	1026126	518.854 ng/ml
Doxylamine	4.527	19056778	∞	93.39	591992.5	1162917	504.824 ng/ml
Duloxetine	5.641	397782	1138.6	10.67	13560.7	21463	493.387 ng/ml
EDDP	5.244	5928129	212861.2	42.95	44028.9	543161	500.367 ng/ml
Etizolam	5.790	300620	∞	390.81	32326.3	161651	469.710 ng/ml
Fentanyl	5.103	492151	98019.9	122.06	264160.4	400032	50.499 ng/ml
Flualprazolam	5.676	655898	∞	89.36	1437.7	63179	492.457 ng/ml
Fluorofentanyl	5.159	542741	387607.6	119.38	4126.7	5531	50.306 ng/ml
Fluoxetine	5.703	2546989	154564.3	6.77	413805.5	163347	497.284 ng/ml
Hydrocodone	2.992	2056328	∞	38.94	4489.5	234527	489.315 ng/ml

AM #28 Multi-Drug Quant. Results

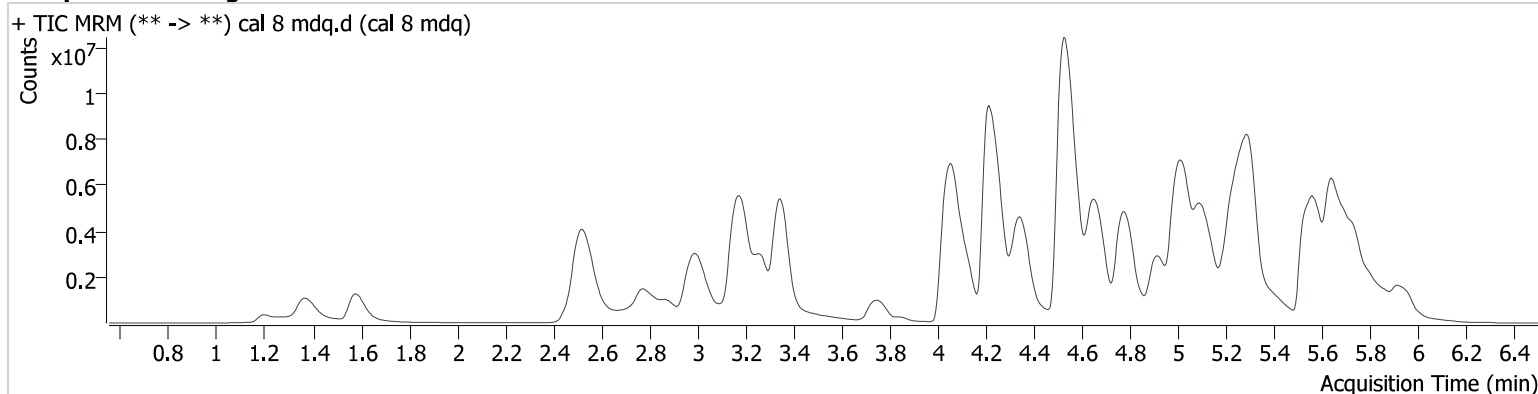
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	2027329	∞	73.81	7237.4	117143	502.689 ng/ml
Hydroxyzine	5.706	3196488	1260061.3	115.66	1397514.2	114214	518.260 ng/ml
Ketamine	4.040	4150244	362541.4	37.06	24746.6	328117	475.736 ng/ml
Lamotrigine	4.290	243081	42811.8	93.51	1522507.6	184130	482.448 ng/ml
Lorazepam	5.723	175965	1928.4	51.78	6462.4	41940	413.310 ng/ml
MDA	3.152	2685364	∞	29.34	336751.9	184130	371.993 ng/ml
MDMA	3.264	3969479	997529.5	105.90	239081.3	91403	513.638 ng/ml
Meprobamate	4.870	1204162	156218.3	30.68	28315.7	99054	412.782 ng/ml
Methadone	5.640	9976470	163821.4	49.19	47720.8	642687	496.859 ng/ml
Methamphetamine	3.173	9623774	∞	38.73	∞	994331	424.510 ng/ml
Metoprolol	4.303	762771	558970.2	99.73	∞	184130	497.786 ng/ml
Mirtazapine	4.652	9469305	220930.8	48.42	378764.2	91403	526.606 ng/ml
Mitragynine	5.230	955398	603184.8	33.80	202292.6	184130	514.942 ng/ml
Morphine	1.196	336290	∞	19.93	∞	8504	481.578 ng/ml
Norbuprenorphine	4.973	34020	120623.0	100.00	41131.0	10835	47.668 ng/ml
Nordiazepam	5.876	1139575	42576.6	61.10	1208550.7	63179	532.042 ng/ml
Norfentanyl	4.071	58033	16002.3	283.20	5358.0	395716	48.160 ng/ml
Noroxycodone	2.869	1237457	20668.6	49.25	5967.4	78984	535.177 ng/ml
O-desmethyl-tramadol	3.346	13088498	506259.6	6.05	108444.3	1154029	498.438 ng/ml
O-Desmethylvenlafaxine	4.059	2708320	15613.0	244.07	10861.4	172834	483.699 ng/ml
Olanzapine	4.587	3994360	19775.4	46.41	7180.1	173802	501.275 ng/ml
Oxazepam	5.735	394968	3069.1	74.41	5374.9	41940	487.863 ng/ml
Oxycodone	2.767	4060228	∞	30.65	∞	333081	451.415 ng/ml
Oxymorphone	1.369	3005431	∞	46.95	∞	200497	492.512 ng/ml
Phentermine	3.755	1672853	5990.6	10.45	38688.6	462563	444.886 ng/ml
Promethazine	5.532	8053723	303215.7	36.76	∞	659668	520.149 ng/ml
Pseudoephedrine	2.513	13332435	∞	16.69	∞	898103	510.019 ng/ml
Quetiapine	5.570	4449540	77544141.0	63.44	∞	114214	504.913 ng/ml
Sertraline	5.760	997555	417451.2	100.17	296888.8	79517	491.456 ng/ml
Temazepam	5.792	2331042	122483.6	30.66	1983.9	209860	521.473 ng/ml
Tramadol	4.212	11663875	∞	3.24	∞	1071878	458.200 ng/ml
Trazodone	5.241	3974941	138401.0	73.25	148093.0	563835	308.016 ng/ml
Venlafaxine	5.032	7682904	173941.8	42.42	45495.3	730123	527.270 ng/ml
Zolpidem	4.996	11596469	430665.6	28.16	303174.4	1115186	489.547 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\030923\QuantResults\mdq.batch.bin
Calibration Last Update 3/10/2023 11:05:24 AM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H5	Comment	
Injection Volume	3		
Acq. Date-Time	3/9/2023 1:21:42 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.113	190380	∞	140.58	∞	53783	91.601 ng/ml
7-aminoclonazepam	4.247	575303	223386.8	129.15	∞	39137	824.511 ng/ml
a-hydroxyalprazolam	5.671	62686	2128.2	68.69	729.7	7746	968.013 ng/ml
alpha-PHP	4.915	3435369	153683.9	255.65	9885.6	408247	1014.466 ng/ml
alpha-PVP	4.347	12160588	1556943.9	53.14	422942.2	408247	1056.701 ng/ml
Alprazolam	5.744	2462942	1731.6	92.04	8100.5	51902	997.177 ng/ml
Amphetamine	2.990	3696580	478880.9	255.33	281008.1	229868	545.919 ng/ml
Benzoylcegonine	3.843	386999	2236151.5	43.16	8775.7	12604	1064.721 ng/ml
Buprenorphine	5.866	577214	1128448.8	15.54	42730.9	62440	101.143 ng/ml
Bupropion	4.777	12789897	782300.7	69.42	302815.1	417721	963.744 ng/ml
Carisoprodol	5.705	575252	875624.9	62.18	13235.9	19366	971.786 ng/ml
Chlordiazepoxide	5.833	521557	15928.5	133.90	7979.8	156780	915.098 ng/ml
Chlorpheniramine	5.099	20785207	∞	0.35	∞	771151	992.714 ng/ml
Citalopram	5.195	4315439	∞	40.14	7983594.9	155451	972.442 ng/ml
Clonazepam	5.582	460191	1003047.8	31.67	350263.2	7746	1042.032 ng/ml
Clonazolam	5.513	1013443	1931373.2	39.40	∞	31885	1001.083 ng/ml
Cocaine	4.251	6533260	553428.9	48.15	514106.9	494746	996.288 ng/ml
Codeine	2.544	587089	15047.8	94.41	∞	24389	923.069 ng/ml
Cyclobenzaprine	5.600	5326716	∞	7.74	∞	157767	988.246 ng/ml
Dextromethorphan	5.244	3384393	84103.9	72.43	335133.8	141258	1008.241 ng/ml
Dextrorphan	4.111	7201947	2539976.7	45.02	557722.8	317873	1028.513 ng/ml
Diazepam	5.927	3446688	∞	85.71	∞	120140	987.325 ng/ml
Dihydrocodeine	2.472	2432372	4546.2	63.69	11915.1	234750	711.147 ng/ml
Diphenhydramine	5.297	21469692	506060.4	30.33	∞	684255	1042.862 ng/ml
Doxylamine	4.527	30626278	∞	99.23	783431.7	1023654	921.833 ng/ml
Duloxetine	5.652	369928	523.4	11.56	138.7	9041	1089.276 ng/ml
EDDP	5.239	10976308	792092.9	43.00	54798.7	482411	1043.220 ng/ml
Etizolam	5.790	441823	∞	380.35	∞	120140	928.888 ng/ml
Fentanyl	5.108	644190	300717.7	125.26	1038012.7	251057	105.293 ng/ml
Flualprazolam	5.681	621914	6396.5	97.26	3308.9	31885	925.759 ng/ml
Fluorofentanyl	5.164	904582	1072903.2	116.71	60216.4	4111	112.805 ng/ml
Fluoxetine	5.703	2613593	61378.5	6.99	227479.7	83337	1000.155 ng/ml
Hydrocodone	2.987	3432801	∞	39.20	∞	202732	945.708 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.577	3328633	∞	74.26	∞	97602	990.600 ng/ml
Hydroxyzine	5.706	4415687	1031263.9	115.10	1542.1	75324	1085.009 ng/ml
Ketamine	4.035	5829970	271109.9	36.64	89725.4	262633	835.565 ng/ml
Lamotrigine	4.290	275368	75201.8	90.65	32246.1	112346	895.374 ng/ml
Lorazepam	5.723	147889	1806.9	50.27	11428.5	13368	1090.423 ng/ml
MDA	3.142	2682185	73722.7	29.19	45531.4	112346	609.250 ng/ml
MDMA	3.264	5432583	381960.9	111.30	284341.4	65799	976.555 ng/ml
Meprobamate	4.870	1367643	61137.7	31.22	78766.8	66811	695.672 ng/ml
Methadone	5.645	15443284	921205.9	49.39	543444.0	497686	993.132 ng/ml
Methamphetamine	3.178	13453416	2096529.2	37.92	363072.8	941193	629.667 ng/ml
Metoprolol	4.298	896415	733472.3	99.78	∞	112346	958.169 ng/ml
Mirtazapine	4.652	14586432	874778.8	48.97	136614.6	65799	1125.989 ng/ml
Mitragynine	5.225	1140527	112847.3	36.23	366420.8	112346	1006.980 ng/ml
Morphine	1.196	558988	∞	19.75	∞	7217	943.268 ng/ml
Norbuprenorphine	4.968	45886	275778.6	94.86	167496.3	7140	97.732 ng/ml
Nordiazepam	5.876	1071321	31421.8	59.71	∞	31885	991.069 ng/ml
Norfentanyl	4.066	59377	9713.3	275.26	4843.2	238513	81.811 ng/ml
Noroxycodone	2.874	1627405	∞	48.61	7458.2	49561	1121.209 ng/ml
O-desmethyl-tramadol	3.345	21179073	∞	5.99	199932.0	946543	983.465 ng/ml
O-Desmethylvenlafaxine	4.054	3672153	2639.8	243.46	52732.0	117817	962.252 ng/ml
Olanzapine	4.590	5845168	6680.8	47.25	70436.5	117559	1083.866 ng/ml
Oxazepam	5.735	243429	312834.4	78.30	6304.8	13368	943.366 ng/ml
Oxycodone	2.761	5670731	36963.9	30.62	28665.7	292817	717.598 ng/ml
Oxymorphone	1.364	4980075	∞	46.14	∞	169304	966.505 ng/ml
Phentermine	3.750	2667130	∞	9.10	8299.2	395693	830.043 ng/ml
Promethazine	5.532	13197396	1583968.9	35.03	∞	525444	1069.745 ng/ml
Pseudoephedrine	2.526	17989792	∞	16.66	∞	590133	1047.110 ng/ml
Quetiapine	5.570	5874314	∞	60.96	∞	75324	1010.480 ng/ml
Sertraline	5.755	1109199	6707847.7	96.85	581636.3	44392	979.313 ng/ml
Temazepam	5.797	2021151	43492.2	30.98	1662.8	91996	1031.247 ng/ml
Tramadol	4.207	18107450	∞	3.17	∞	802222	951.018 ng/ml
Trazodone	5.241	4233021	201440.5	72.50	∞	448083	413.024 ng/ml
Venlafaxine	5.037	9889954	756122.6	41.81	50133.9	471083	1051.618 ng/ml
Zolpidem	4.990	17947926	780813.7	28.02	306005.7	902067	937.366 ng/ml