
















Worklist: 6403

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2023-1191-1	Also included in batch but did not get added to worklist when it was originally created.			
C2023-1054	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1091	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1095	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1106	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1140	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1141	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1168	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1188	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1192	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1196	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1212	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1213	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1225	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1231	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

The following urine samples were also run with this batch. Due to the negative urine and two samples being pipetted to the wrong location during the extraction the urines samples were not evaluated in this batch. They will be re-extracted and analyzed with worklist 6404.

- c2023-0929-1
- c2023-0991-1
- c2023-1024-1
- c2023-1139-1
- c2023-1242-2

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

Extraction Date 6/6/23

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) or 250µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: 390993**
- 3. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792**
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

7-aminoclonazepam 5-500 cal 8 dropped due to accuracy
Amphetamine 5-250 cal 7 and 8 dropped due to accuracy
Dihydrocodeine 5-500 cal 8 dropped due to accuracy
DMT – Not evaluated lowering ratios
Lorazepam 5-250 cal 7 and 8 dropped due to accuracy
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
Oxymorphone not evaluated due to chromatography
Oxazepam not evaluated due to chromatography
Phentermine 5-500 cal 8 dropped due to accuracy
Trazodone 5-250 cal 7 and 8 dropped due to accuracy

C2023-1196-2 was placed in the wrong mixing well and will not be evaluated (a calibrator well, it will be re-extracted and evaluated with that extraction)
The urines in this batch were not evaluated due the negative control not properly extracting. They will be re-extracted and evaluated.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	1095-1	1196-2 SLE and extraction	1196-2 mixing plate						991-1	
B	IS + Cal. 2	IS + QC_2	1106-1	1213-2							1139-1	
C	IS + Cal. 3	IS + QC 3	1141-1	1225-6							1242-2	
D	IS + Cal. 4	IS + QC_4	1140-1	1231-1								
E	IS + Cal. 5	IS + QC_2	1212-1	1191-1								
F	IS + Cal. 6	negative blood	1168-2							negative urine		
G	IS + Cal. 7	1054-2	1188-1							1024-1		
H	IS + Cal. 8	1091-2	1192-1							929-1		

blank in front

plate position 2

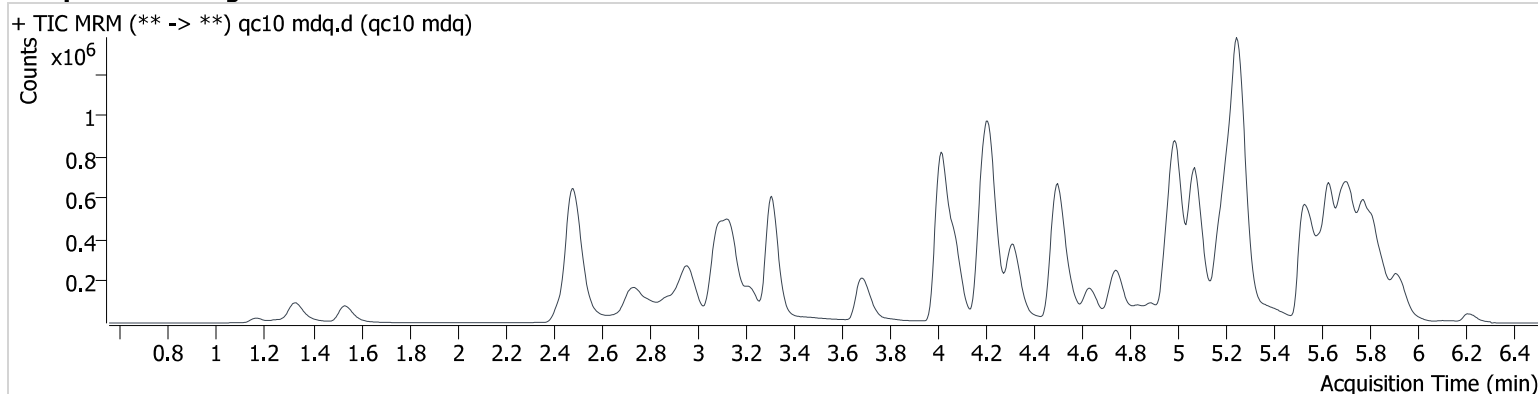
c2023-0__-__

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-A2	Comment	
Injection Volume	3		
Acq. Date-Time	6/6/2023 12:33:28 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	3637	9132.7	134.36	16964.8	85036	1.026 ng/ml
7-aminoclonazepam	4.216	62209	15558.0	113.66	6285.7	264692	11.608 ng/ml
a-hydroxyalprazolam	5.650	19571	247.3	60.12	31211.1	116319	11.939 ng/ml
alpha-PHP	4.895	73216	2412.6	257.90	10266.4	887165	9.991 ng/ml
alpha-PVP	4.321	254900	24433.1	52.52	9519.2	887165	10.457 ng/ml
Alprazolam	5.739	156739	∞	91.65	∞	320749	10.138 ng/ml
Amphetamine	2.964	170388	3827.8	263.63	12384.2	421642	10.183 ng/ml
Benzoylcegonine	3.817	5634	1012.7	41.49	100.1	17841	8.079 ng/ml
Buprenorphine	5.923	13639	821.3	15.52	105.8	157414	0.989 ng/ml
Bupropion	4.751	230281	14523.0	73.73	4853.5	647275	10.476 ng/ml
Carisoprodol	5.690	90156	255860.7	64.52	174.7	310430	9.580 ng/ml
Chlordiazepoxide	5.828	42858	237.1	131.49	2284.7	740721	11.358 ng/ml
Chlorpheniramine	5.073	404675	69380.3	0.30	131.5	1464563	10.352 ng/ml
Citalopram	5.185	209442	8577.8	39.97	13363.4	718895	9.912 ng/ml
Clonazepam	5.577	72434	5629.3	30.96	40601.1	116319	10.631 ng/ml
Clonazolam	5.513	75807	3355.5	40.20	5884.8	216243	9.421 ng/ml
Cocaine	4.220	177719	10464.8	50.21	66642.4	1382787	9.959 ng/ml
Codeine	2.508	26641	2364.1	91.03	3662.7	92775	10.367 ng/ml
Cyclobenzaprine	5.600	216393	∞	8.29	238.7	627654	10.313 ng/ml
Dextromethorphan	5.224	146960	8462.3	70.53	11601.1	599056	10.328 ng/ml
Dextrorphan	4.075	172242	7653.0	45.49	7258.3	807748	10.350 ng/ml
Diazepam	5.922	97530	3408.0	86.82	2116.7	336665	10.247 ng/ml
Dihydrocodeine	2.467	65218	387.4	59.79	1721.1	398324	10.800 ng/ml
Diphenhydramine	5.255	755523	11165.7	31.92	7083.2	2605786	10.049 ng/ml
Doxylamine	4.507	556874	9759.7	91.96	8805.2	1583226	10.404 ng/ml
Duloxetine	5.626	35739	106.8	8.33	336.5	97764	9.936 ng/ml
EDDP	5.218	221070	25459.9	43.38	2070.9	1053794	9.517 ng/ml
Etizolam	5.779	15248	13326.0	395.03	45954.5	336665	9.724 ng/ml
Fentanyl	5.082	20559	10061.1	118.94	1469.5	854201	1.041 ng/ml
Flualprazolam	5.666	53962	∞	104.90	14947.1	216243	9.450 ng/ml
Fluorofentanyl	5.143	16634	415.0	128.91	32.2	9388	0.892 ng/ml
Fluoxetine	5.687	227725	14313.5	6.26	35287.0	704699	10.421 ng/ml
Hydrocodone	2.956	81867	1677.4	37.10	913.7	424501	10.176 ng/ml



AM #28 Multi-Drug Quant. Results

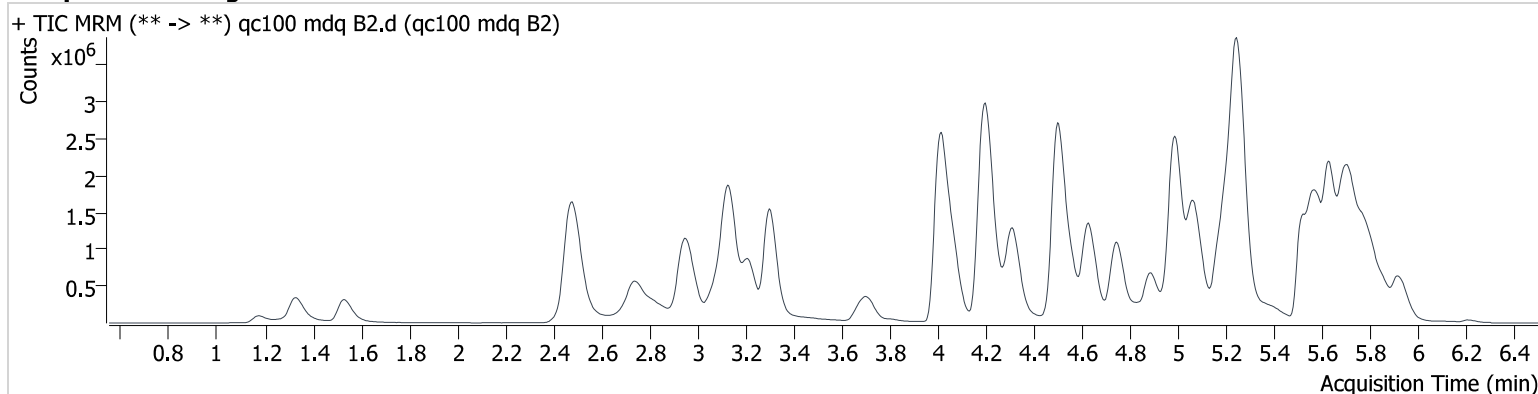
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.542	73251	4038.1	72.80	1816.6	205513	10.135 ng/ml
Hydroxyzine	5.701	196802	5416.7	120.37	4249.1	1954603	9.623 ng/ml
Ketamine	4.025	183210	5843.4	36.26	∞	617596	10.588 ng/ml
Lamotrigine	4.249	15285	1281.6	97.14	3204.7	704699	10.041 ng/ml
Lorazepam	5.718	37008	∞	39.74	∞	404458	10.834 ng/ml
MDA	3.131	229856	5237.5	31.32	1473.5	524675	10.478 ng/ml
MDMA	3.228	153151	∞	107.25	26534.8	176353	10.194 ng/ml
Meprobamate	4.854	69371	1378.4	32.83	1086.3	182138	11.125 ng/ml
Methadone	5.635	361060	5067.4	50.56	2565.5	1067757	10.310 ng/ml
Methamphetamine	3.148	600268	∞	40.12	∞	1338324	7.310 ng/ml
Metoprolol	4.283	54232	4435.5	100.14	13248.2	524675	9.647 ng/ml
Mirtazapine	4.631	367778	9308.1	49.16	9686.3	768958	10.845 ng/ml
Mitragynine	5.220	54260	3162.0	30.94	6273.7	1954603	9.643 ng/ml
Morphine	1.171	13131	∞	21.86	∞	16444	10.012 ng/ml
Norbuprenorphine	4.947	2049	1690.4	90.30	1981.8	27232	0.958 ng/ml
Nordiazepam	5.866	74256	1123.3	60.12	1049.6	216243	10.160 ng/ml
Norfentanyl	4.040	4998	544.1	246.86	599.5	1274692	1.157 ng/ml
Noroxycodone	2.829	67253	∞	49.88	311.6	232271	9.856 ng/ml
O-desmethyl-tramadol	3.314	412318	9938.2	6.33	2420.3	1724234	10.007 ng/ml
O-Desmethylvenlafaxine	4.023	116525	350.8	239.09	2367.7	360812	9.911 ng/ml
Olanzapine	4.562	124110	878.9	42.09	761.9	259281	10.405 ng/ml
Oxycodone	2.756	181213	7810.1	30.06	3531.5	560108	11.143 ng/ml
Phentermine	3.719	71419	528.1	12.46	569.6	768958	10.363 ng/ml
Promethazine	5.521	273723	7729.3	40.92	3032.6	1281833	9.448 ng/ml
Pseudoephedrine	2.496	571121	∞	16.74	3664.1	1954603	10.016 ng/ml
Quetiapine	5.565	296773	19097.7	65.26	334912.6	395459	9.914 ng/ml
Sertraline	5.760	74422	820.2	95.40	1185.0	267018	10.544 ng/ml
Temazepam	5.787	223500	3660.8	30.22	286.9	1055283	10.290 ng/ml
Tramadol	4.197	434690	∞	3.59	197.1	1673358	10.470 ng/ml
Trazodone	5.241	185314	3179.5	140.01	∞	977766	10.438 ng/ml
Venlafaxine	4.996	281051	5312.1	48.63	5177.7	1508382	9.993 ng/ml
Zolpidem	4.985	407985	7616.7	27.37	8289.5	1787280	10.055 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 AM

Instrument	69679	Data File	qc100 mdq B2.d
Type	QC	Sample	qc100 mdq B2
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	
Injection Volume	3		
Acq. Date-Time	6/6/2023 6:22:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	30678	∞	135.43	995926.3	78786	9.929 ng/ml
7-aminoclonazepam	4.206	420756	16811.1	109.66	59793.4	196955	111.177 ng/ml
a-hydroxyalprazolam	5.650	106387	3206.8	64.75	2423.1	72438	110.279 ng/ml
alpha-PHP	4.890	667269	∞	251.94	10914.0	776310	102.184 ng/ml
alpha-PVP	4.316	2302849	257405.0	52.55	38758.0	776310	105.317 ng/ml
Alprazolam	5.734	1135964	11994.9	90.44	∞	221866	108.429 ng/ml
Amphetamine	2.954	1157127	6774.2	281.48	68918.6	363296	106.870 ng/ml
Benzoylcegonine	3.807	51043	64152.3	41.02	589.5	17413	96.732 ng/ml
Buprenorphine	5.933	122295	5745.8	15.67	1395.7	139409	10.754 ng/ml
Bupropion	4.746	2098244	413688.0	75.55	66531.3	600678	105.863 ng/ml
Carisoprodol	5.690	530919	794237.2	60.31	4471.9	172748	102.868 ng/ml
Chlordiazepoxide	5.823	301487	30141.0	126.70	13553.8	563325	114.235 ng/ml
Chlorpheniramine	5.068	3524646	∞	0.27	1887.2	1323129	100.633 ng/ml
Citalopram	5.175	1679152	138915.5	42.87	∞	581844	102.255 ng/ml
Clonazepam	5.572	450715	∞	31.75	∞	72438	106.199 ng/ml
Clonazolam	5.508	562142	281850.4	38.04	135775.8	144388	92.846 ng/ml
Cocaine	4.215	1539091	∞	48.52	47104.3	1183336	100.288 ng/ml
Codeine	2.498	189122	23924.1	87.16	13721.8	66457	105.884 ng/ml
Cyclobenzaprine	5.600	1601718	278564.1	9.55	∞	486146	99.129 ng/ml
Dextromethorphan	5.218	1146513	∞	72.55	1430907.5	487018	95.526 ng/ml
Dextrorphan	4.065	1452384	160593.3	45.06	1366865.7	689613	95.973 ng/ml
Diazepam	5.922	807948	∞	84.52	∞	283127	98.269 ng/ml
Dihydrocodeine	2.452	509732	23723.1	61.15	2859.1	349386	107.457 ng/ml
Diphenhydramine	5.255	6017776	∞	30.82	84204.5	2027893	100.051 ng/ml
Doxylamine	4.503	4993330	∞	95.53	5253769.3	1510187	102.088 ng/ml
Duloxetine	5.631	228107	3598.7	9.78	641.2	64469	97.005 ng/ml
EDDP	5.213	1715652	9589360610	45.32	∞	787394	101.091 ng/ml
Etizolam	5.779	128768	235021.9	386.89	40743.4	283127	99.949 ng/ml
Fentanyl	5.082	171089	2485.3	122.63	5100.2	725413	9.781 ng/ml
Flualprazolam	5.666	356705	28995.4	100.30	3020.8	144388	86.824 ng/ml
Fluorofentanyl	5.138	163092	109275.5	120.49	2211.4	8482	9.358 ng/ml
Fluoxetine	5.687	1416289	142467.9	6.24	76022.0	461798	100.589 ng/ml



AM #28 Multi-Drug Quant. Results

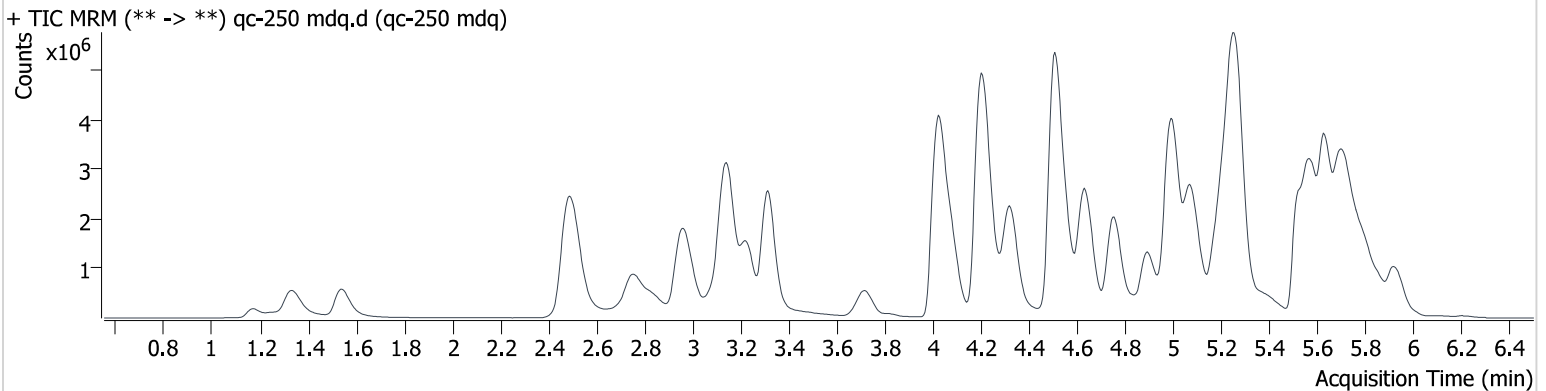
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.941	636108	6153.4	35.87	1801.0	336452	103.625 ng/ml
Hydromorphone	1.532	645849	14973.8	72.83	5401.1	178083	102.777 ng/ml
Hydroxyzine	5.701	1553712	1226229.7	119.21	17172.7	1587975	92.049 ng/ml
Ketamine	4.014	1447050	114007.3	38.46	29362.3	499031	109.820 ng/ml
Lamotrigine	4.239	114860	10407.6	94.49	1027635.3	461798	104.628 ng/ml
Lorazepam	5.713	153468	∞	48.80	∞	179617	93.947 ng/ml
MDA	3.111	1562284	37956.4	29.15	80759.9	352985	110.833 ng/ml
MDMA	3.213	1347341	216224.5	104.05	∞	149755	100.842 ng/ml
Meprobamate	4.844	492958	51828.9	33.34	21264.2	143839	109.910 ng/ml
Methadone	5.630	3319140	∞	46.50	92247.0	952961	106.933 ng/ml
Methamphetamine	3.137	2972130	∞	40.48	∞	1242903	100.785 ng/ml
Metoprolol	4.273	433418	470155.1	97.24	65210.7	352985	110.653 ng/ml
Mirtazapine	4.626	3296836	∞	48.68	158577.1	684703	109.675 ng/ml
Mitragynine	5.215	390274	34509.4	31.39	192516.0	1587975	102.827 ng/ml
Morphine	1.176	123349	22466516.9	19.84	∞	13608	111.219 ng/ml
Norbuprenorphine	4.947	16311	51089.1	92.83	6706.1	23378	10.184 ng/ml
Nordiazepam	5.866	489752	∞	59.67	7237.1	144388	101.761 ng/ml
Norfentanyl	4.030	33118	484.9	278.71	102770.1	938697	11.015 ng/ml
Noroxycodone	2.818	527732	11953.7	48.65	∞	179150	97.305 ng/ml
O-desmethyl-tramadol	3.304	3787411	190956.1	6.34	26086.7	1576918	101.480 ng/ml
O-Desmethylvenlafaxine	4.013	998856	2556.5	239.86	79844.3	317578	99.407 ng/ml
Olanzapine	4.562	1153708	7634.9	44.98	31959.8	251277	94.161 ng/ml
Oxycodone	2.736	1496895	689149.8	28.79	143957.2	496600	116.328 ng/ml
Phentermine	3.709	573795	2093.1	10.60	1634.9	684703	103.685 ng/ml
Promethazine	5.521	2390866	91254.8	39.80	134174.7	1089183	93.166 ng/ml
Pseudoephedrine	2.481	4656040	∞	16.94	289984.0	1587975	99.279 ng/ml
Quetiapine	5.560	2504038	33284326.7	62.34	16588507.6	321019	99.875 ng/ml
Sertraline	5.755	452245	90157.5	98.77	48343.6	176787	97.087 ng/ml
Temazepam	5.787	1343487	25964.5	31.04	2174.9	658310	100.321 ng/ml
Tramadol	4.187	3720437	∞	3.42	3739.4	1504084	106.586 ng/ml
Trazodone	5.241	1325964	5789.4	143.86	40709.2	782127	111.203 ng/ml
Venlafaxine	4.991	2503765	50997.1	46.44	32562.0	1261325	97.268 ng/ml
Zolpidem	4.985	3451703	338810.4	29.66	66256.4	1625047	100.272 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-C2 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 12:42:10 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	65346	∞	133.48	∞	66619	25.121 ng/ml
7-aminoclonazepam	4.216	617670	35649.0	112.42	146324.3	134807	239.250 ng/ml
a-hydroxyalprazolam	5.655	115133	1240.9	66.49	363.6	38769	223.793 ng/ml
alpha-PHP	4.895	1367127	13245.0	252.34	∞	633628	256.201 ng/ml
alpha-PVP	4.326	4658229	3720625.0	53.00	77727.6	633628	260.591 ng/ml
Alprazolam	5.739	1724659	3977.2	97.26	∞	148913	245.561 ng/ml
Amphetamine	2.964	1959265	134823.0	269.80	77096.9	310687	215.384 ng/ml
Benzoylcegonine	3.817	117597	12798.0	41.63	1691.5	16456	239.598 ng/ml
Buprenorphine	5.923	253783	8254.4	16.21	2441.2	121456	25.726 ng/ml
Bupropion	4.756	4379939	518098.4	73.77	118456.6	513472	259.005 ng/ml
Carisoprodol	5.695	660288	6781034.8	60.72	26550.3	91204	242.528 ng/ml
Chlordiazepoxide	5.828	449954	∞	112.05	8730.0	352177	274.249 ng/ml
Chlorpheniramine	5.073	7539767	26766.0	0.30	2059.4	1135158	251.059 ng/ml
Citalopram	5.180	3002398	109205.8	41.57	258504.8	425872	250.459 ng/ml
Clonazepam	5.577	574743	13160.6	32.41	268204.3	38769	253.030 ng/ml
Clonazolam	5.518	870978	17335.2	37.10	93006.6	78035	264.000 ng/ml
Cocaine	4.225	2848759	261165.5	49.77	2092473.2	874759	251.026 ng/ml
Codeine	2.513	312392	8774.8	93.62	35566.2	46383	251.078 ng/ml
Cyclobenzaprine	5.600	3223503	3586020.1	8.76	4185.4	380280	255.143 ng/ml
Dextromethorphan	5.224	1980923	43591.2	75.77	68039.2	350452	228.781 ng/ml
Dextrorphan	4.080	3002565	179720.0	44.06	102259.4	564293	241.396 ng/ml
Diazepam	5.922	1549940	∞	81.37	6269.2	208526	255.472 ng/ml
Dihydrocodeine	2.457	970356	7615.8	61.79	682.1	302559	237.920 ng/ml
Diphenhydramine	5.266	11265016	194503.9	30.43	206419.1	1452029	261.078 ng/ml
Doxylamine	4.507	10874911	210348.8	94.68	155769.2	1296399	259.785 ng/ml
Duloxetine	5.631	396380	1860.0	10.24	442.4	45226	240.430 ng/ml
EDDP	5.218	3609722	129883.0	44.74	66297.6	680116	246.588 ng/ml
Etizolam	5.785	228080	936687.6	387.07	14965.6	208526	240.726 ng/ml
Fentanyl	5.087	333344	16773.5	126.85	20636.1	557965	24.703 ng/ml
Flualprazolam	5.666	564107	∞	94.70	1928.5	78035	252.602 ng/ml
Fluorofentanyl	5.143	337420	194059.9	120.76	7195.8	6893	23.771 ng/ml
Fluoxetine	5.693	2239287	58067.1	7.29	202050.3	291841	251.960 ng/ml
Hydrocodone	2.956	1249753	17314.9	36.15	∞	273090	251.450 ng/ml



AM #28 Multi-Drug Quant. Results

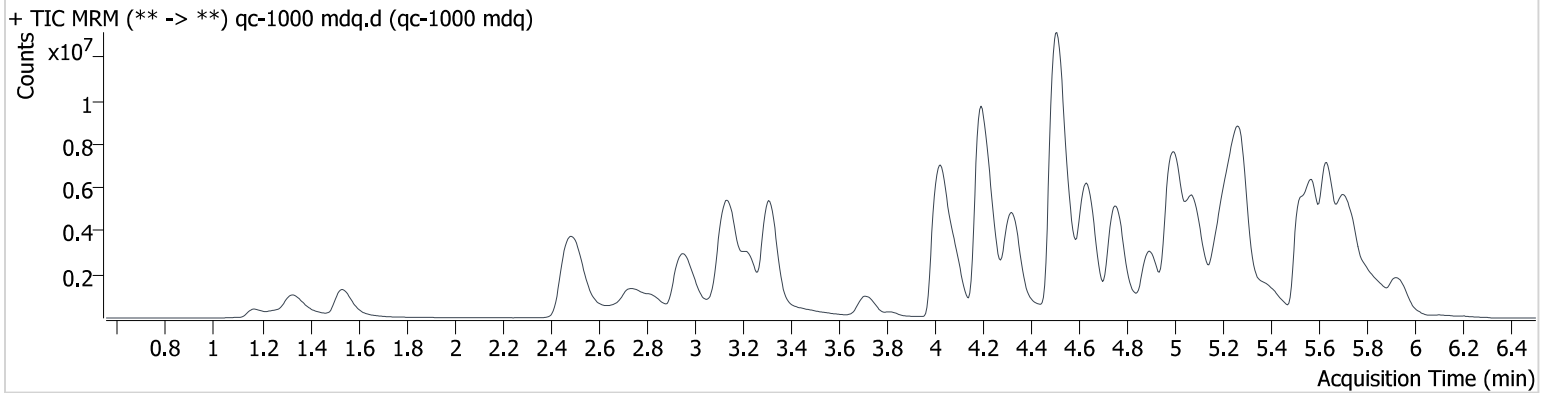
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.542	1366884	∞	73.35	∞	152851	253.372 ng/ml
Hydroxyzine	5.701	3124816	6860.4	116.05	5391.0	1176620	249.564 ng/ml
Ketamine	4.025	2660871	∞	38.61	18175.2	397281	254.604 ng/ml
Lamotrigine	4.254	189305	34150.5	89.29	59974.5	291841	271.249 ng/ml
Lorazepam	5.713	163689	∞	45.64	2429.6	62379	286.737 ng/ml
MDA	3.116	2262141	298222.0	29.56	45720.9	255720	222.070 ng/ml
MDMA	3.228	2573487	150980.2	106.65	161501.8	114844	250.406 ng/ml
Meprobamate	4.849	798796	27051.4	32.84	14936.4	107267	240.258 ng/ml
Methadone	5.635	6702962	387811.8	46.71	232291.5	793134	259.581 ng/ml
Methamphetamine	3.148	6062228	∞	38.97	∞	1085377	254.468 ng/ml
Metoprolol	4.283	741909	335128.7	96.44	∞	255720	260.961 ng/ml
Mirtazapine	4.631	6602535	177736.5	48.47	147938.7	566420	265.590 ng/ml
Mitragynine	5.220	667088	16930.7	34.29	6673.0	1176620	240.111 ng/ml
Morphine	1.171	259069	12677823.1	20.91	3888077.9	12568	252.634 ng/ml
Norbuprenorphine	4.952	30060	12611.6	102.35	66785.9	18748	23.610 ng/ml
Nordiazepam	5.871	648703	8501.2	61.30	12677.2	78035	249.627 ng/ml
Norfentanyl	4.040	50411	1555.5	274.00	6093.7	635480	24.861 ng/ml
Noroxycodone	2.834	905623	∞	48.18	3221.9	128117	233.044 ng/ml
O-desmethyl-tramadol	3.314	7755480	1269974.4	6.17	90088.7	1301531	251.926 ng/ml
O-Desmethylvenlafaxine	4.023	1841131	9627.6	238.06	62778.8	236862	246.157 ng/ml
Olanzapine	4.562	2397558	6394.7	46.58	387.0	208087	235.302 ng/ml
Oxycodone	2.751	2716771	21318.1	30.12	11720.4	395600	266.953 ng/ml
Phentermine	3.719	1137645	∞	10.05	1977.2	566420	250.274 ng/ml
Promethazine	5.521	5279615	114393.2	38.31	∞	925743	241.376 ng/ml
Pseudoephedrine	2.495	8632127	∞	16.81	277566.4	1176620	248.205 ng/ml
Quetiapine	5.565	4684081	167757.3	60.93	267834.9	230246	259.938 ng/ml
Sertraline	5.755	821411	866577.2	97.94	2924366.7	127633	244.307 ng/ml
Temazepam	5.787	1700968	153790.8	32.09	17772.7	323549	258.644 ng/ml
Tramadol	4.199	7281258	∞	3.26	∞	1246202	252.867 ng/ml
Trazodone	5.246	2211197	∞	137.51	31075.7	631414	232.101 ng/ml
Venlafaxine	5.001	4929620	93078.7	44.42	75119.2	949952	252.745 ng/ml
Zolpidem	4.985	7008323	∞	29.32	163087.6	1344848	247.183 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-D2 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 12:50:52 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.077	180401	143917.6	136.44	172710.4	49938	92.710 ng/ml
7-aminoclonazepam	4.216	564525	40720.9	113.79	29616.1	44110	669.534 ng/ml
a-hydroxyalprazolam	5.660	100033	2320.5	65.30	1422.7	8479	891.395 ng/ml
alpha-PHP	4.895	3545770	∞	252.91	8335.6	400647	1050.266 ng/ml
alpha-PVP	4.325	12219687	490711.8	52.57	317775.9	400647	1080.222 ng/ml
Alprazolam	5.739	2685452	23103.2	96.80	∞	58965	966.313 ng/ml
Amphetamine	2.954	3435868	92199.9	258.71	851197.1	220311	538.348 ng/ml
Benzoylcegonine	3.817	438800	164458.9	42.08	30917.4	14576	1017.733 ng/ml
Buprenorphine	5.923	696810	115860.1	15.96	5925.1	89799	95.758 ng/ml
Bupropion	4.751	12864564	1001609.2	69.05	∞	392174	997.000 ng/ml
Carisoprodol	5.695	661336	718826.2	61.55	21111.4	23219	954.592 ng/ml
Chlordiazepoxide	5.833	731708	17964.1	100.00	22642.1	170019	926.434 ng/ml
Chlorpheniramine	5.073	20982312	∞	0.30	5421.0	781020	1015.759 ng/ml
Citalopram	5.175	5617054	226618.8	43.22	492523.1	199065	1003.821 ng/ml
Clonazepam	5.572	503046	17969.9	30.95	∞	8479	1012.614 ng/ml
Clonazolam	5.503	1058451	∞	37.81	36518.2	22794	1094.678 ng/ml
Cocaine	4.227	6143665	256395.7	49.72	86468.8	470928	1005.432 ng/ml
Codeine	2.513	604498	182396.5	93.47	∞	23497	960.054 ng/ml
Cyclobenzaprine	5.595	5646771	∞	8.30	∞	169902	1000.568 ng/ml
Dextromethorphan	5.218	3846128	715137.5	62.36	104431.5	138820	1119.755 ng/ml
Dextrorphan	4.081	7395872	3834648.0	44.59	528587.8	332041	1008.268 ng/ml
Diazepam	5.927	3176181	∞	83.87	∞	99896	1091.826 ng/ml
Dihydrocodeine	2.447	2316400	3193.2	61.81	2121.9	234700	735.116 ng/ml
Diphenhydramine	5.276	22378185	401491.0	29.58	261411.0	704185	1068.491 ng/ml
Doxylamine	4.507	29141372	349467.1	96.61	∞	971691	930.085 ng/ml
Duloxetine	5.641	451460	331.9	10.24	360.7	12658	978.711 ng/ml
EDDP	5.213	10284516	327730.5	46.10	133105.0	476223	1004.089 ng/ml
Etizolam	5.785	480578	∞	387.31	3457194129 783290.0	99896	1059.664 ng/ml
Fentanyl	5.093	706221	29051.1	128.51	20741.3	267391	109.048 ng/ml
Flualprazolam	5.671	719342	2429.7	88.30	2698.4	22794	1100.234 ng/ml
Fluorofentanyl	5.138	991732	1141710.7	113.87	105538.5	4400	109.343 ng/ml
Fluoxetine	5.693	2998165	148201.5	6.79	∞	97042	1015.132 ng/ml



AM #28 Multi-Drug Quant. Results

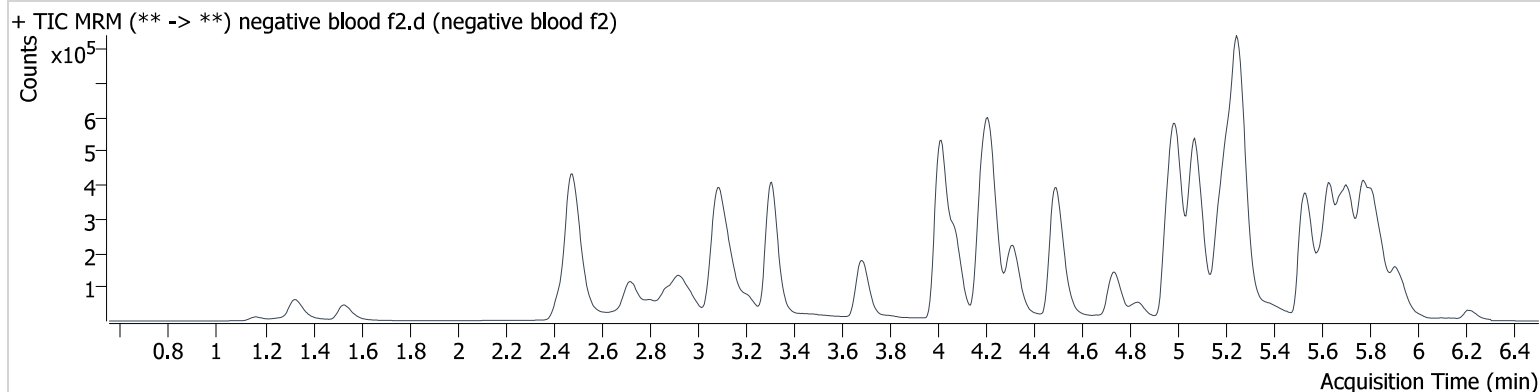
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.951	3514917	∞	36.74	35991.6	203275	951.310 ng/ml
Hydromorphone	1.537	3654938	4975.8	72.46	∞	102072	1014.423 ng/ml
Hydroxyzine	5.701	6434615	12469.1	107.01	3254.3	573523	1053.763 ng/ml
Ketamine	4.020	5363450	234198.9	38.41	54273.8	226635	901.441 ng/ml
Lamotrigine	4.254	237044	25734.4	94.22	∞	97042	1018.691 ng/ml
Lorazepam	5.718	173558	∞	45.66	∞	12305	1537.390 ng/ml
MDA	3.101	3050304	60442.3	29.08	53680.3	117640	651.968 ng/ml
MDMA	3.223	5591134	449656.4	105.03	436767.6	65336	954.833 ng/ml
Meprobamate	4.844	1362848	292927.9	31.43	21687.0	61877	713.003 ng/ml
Methadone	5.635	16607262	148193.2	44.66	254904.6	484438	1053.204 ng/ml
Methamphetamine	3.142	13396350	∞	37.91	∞	885703	713.471 ng/ml
Metoprolol	4.278	1233673	169608.0	95.26	∞	117640	942.316 ng/ml
Mirtazapine	4.636	16696328	3863057.2	48.03	2858720.4	407495	933.689 ng/ml
Mitragynine	5.220	1194805	38656.2	30.99	3409.2	573523	888.235 ng/ml
Morphine	1.166	655340	∞	20.81	2617030.9	8778	914.307 ng/ml
Norbuprenorphine	4.947	63683	69717.8	97.02	95049.9	10139	92.948 ng/ml
Nordiazepam	5.876	748506	∞	62.15	30633.7	22794	986.562 ng/ml
Norfentanyl	4.040	65512	10501.5	274.78	8383.0	235785	87.266 ng/ml
Noroxycodone	2.829	1781977	∞	45.95	∞	51189	1146.430 ng/ml
O-desmethyl-tramadol	3.309	21230988	329051.6	5.89	273299.8	887558	1011.653 ng/ml
O-Desmethylvenlafaxine	4.023	3535264	9234.8	240.97	6275.6	117724	951.949 ng/ml
Olanzapine	4.567	6295827	8371.0	47.68	96614.3	120682	1063.079 ng/ml
Oxycodone	2.721	5612149	98639.6	29.64	20293.9	254696	859.859 ng/ml
Phentermine	3.714	2490759	∞	10.32	4729.6	407495	764.244 ng/ml
Promethazine	5.521	13783732	302917.5	34.93	180000.5	549170	1060.837 ng/ml
Pseudoephedrine	2.491	17420413	∞	16.45	∞	573523	1027.204 ng/ml
Quetiapine	5.565	8953542	183820.8	62.06	∞	105945	1078.757 ng/ml
Sertraline	5.755	1249066	84846.6	96.59	349213.3	47321	1002.125 ng/ml
Temazepam	5.792	1777737	16964.1	32.27	17185.1	86784	1008.193 ng/ml
Tramadol	4.187	17290927	∞	3.18	∞	772941	970.446 ng/ml
Trazodone	5.262	3456379	∞	137.80	231628.1	351127	656.475 ng/ml
Venlafaxine	5.012	9295755	117253.9	41.26	51425.8	440717	1024.382 ng/ml
Zolpidem	4.980	17921416	123150.9	28.86	688052.8	920646	925.539 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 AM

Instrument	69679	Data File	negative blood f2.d
Type	Sample	Sample	negative blood f2
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F2	Comment	
Injection Volume	3		
Acq. Date-Time	6/6/2023 1:08:17 PM		
Sample Info.			

Sample Chromatogram

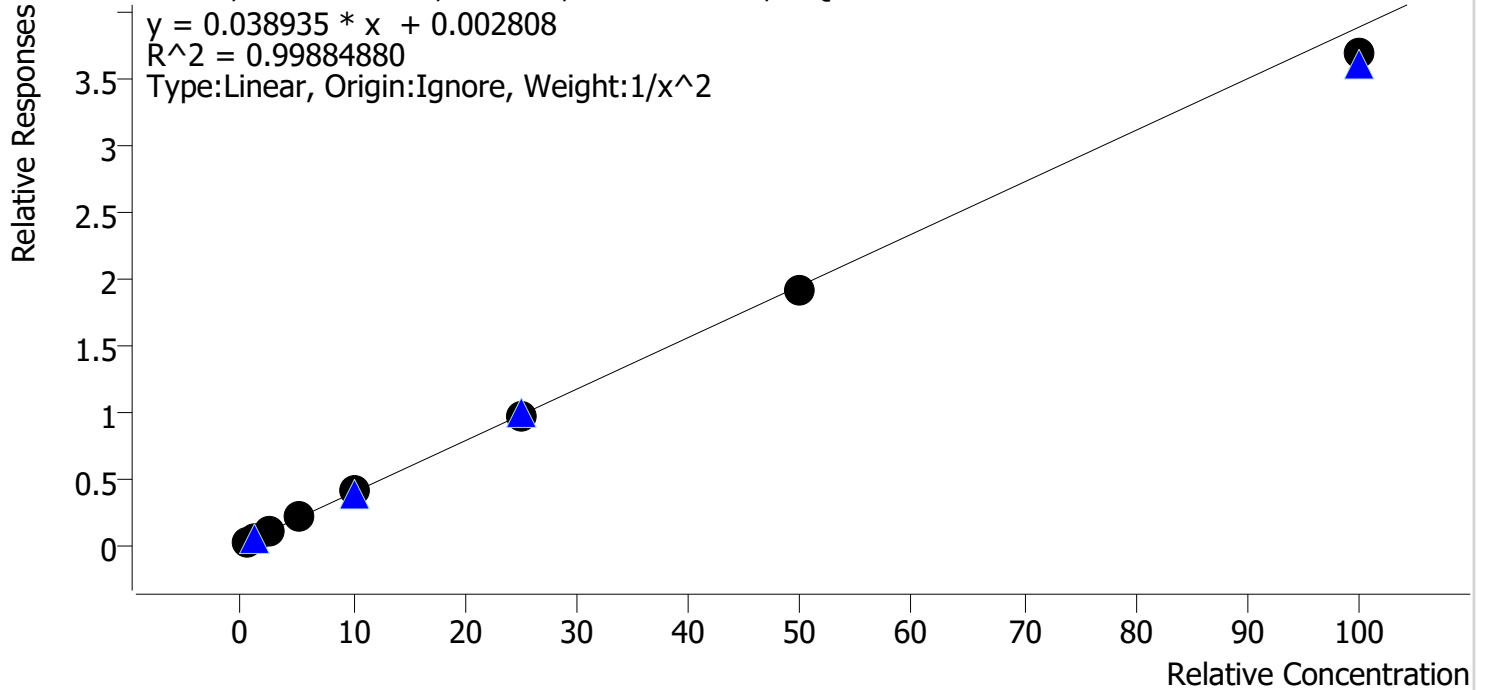


Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

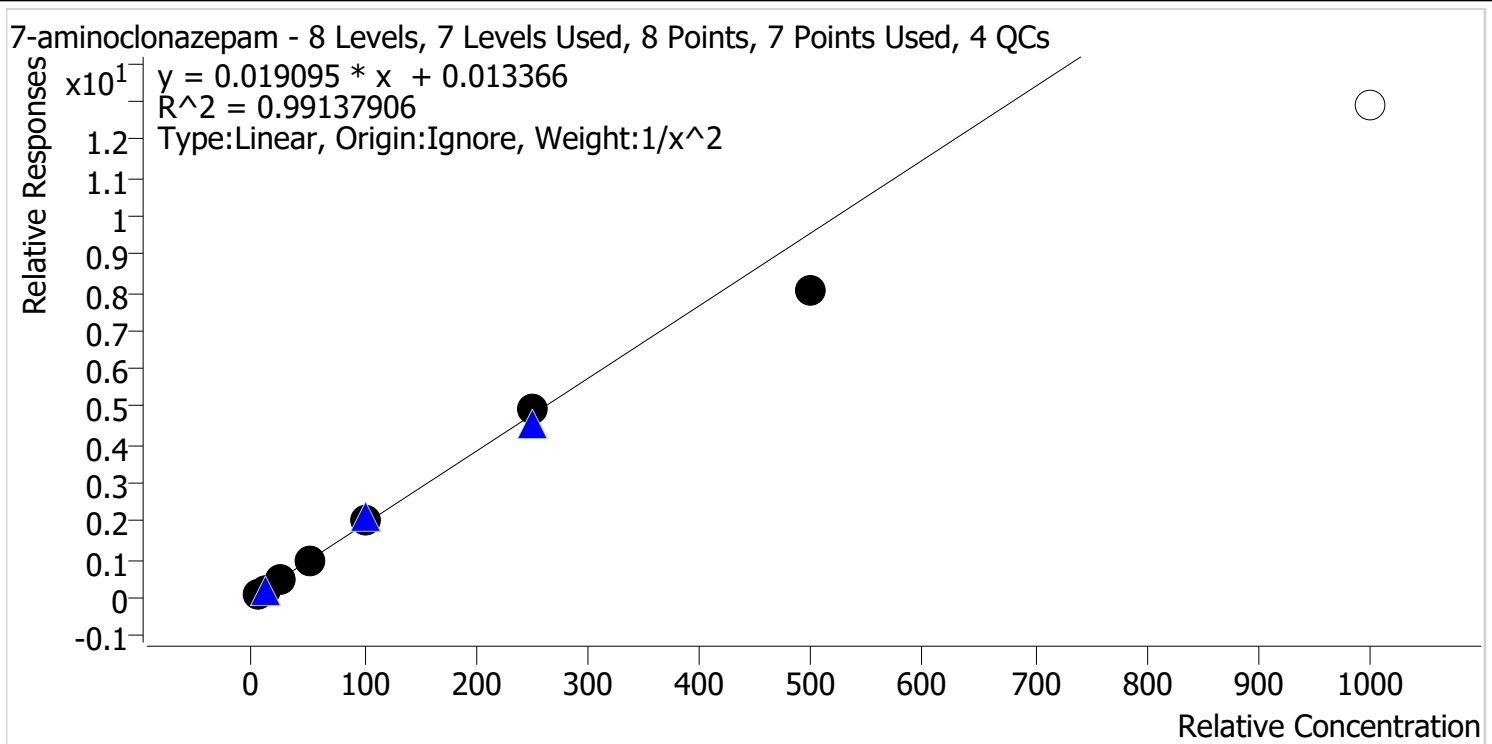


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.9
cal 2 mdq	2	✓	1.0	1.0	98.3
cal 3 mdq	3	✓	2.5	2.6	102.2
cal 4 mdq	4	✓	5.0	5.2	104.0
cal 5 mdq	5	✓	10.0	10.3	102.5
cal 6 mdq	6	✓	25.0	25.0	100.2
cal 7 mdq	7	✓	50.0	49.0	97.9
cal 8 mdq	8	✓	100.0	94.9	94.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

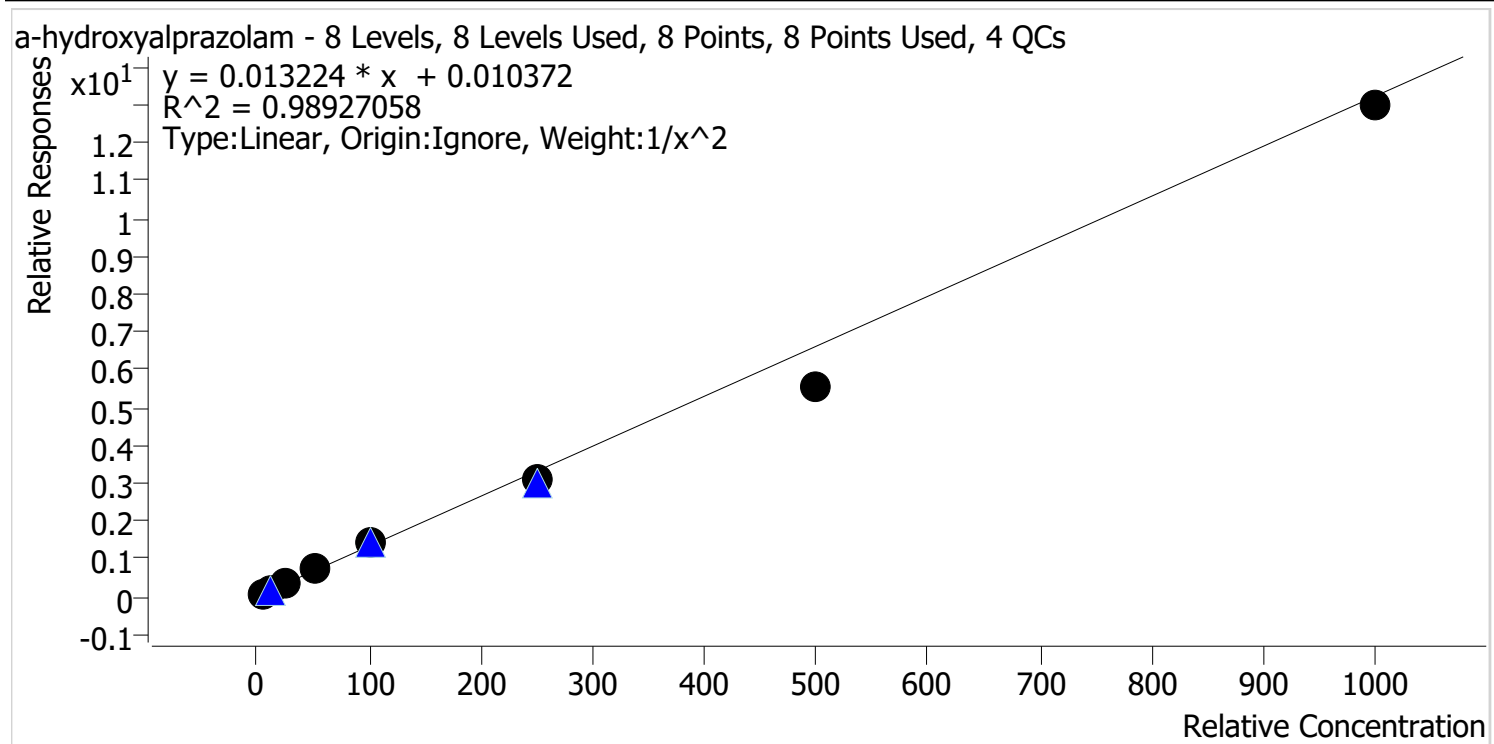


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	26.8	107.4
cal 4 mdq	4	✓	50.0	50.2	100.3
cal 5 mdq	5	✓	100.0	106.7	106.7
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	419.8	84.0
cal 8 mdq	8	x	1000.0	674.3	67.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Clonazepam-D4



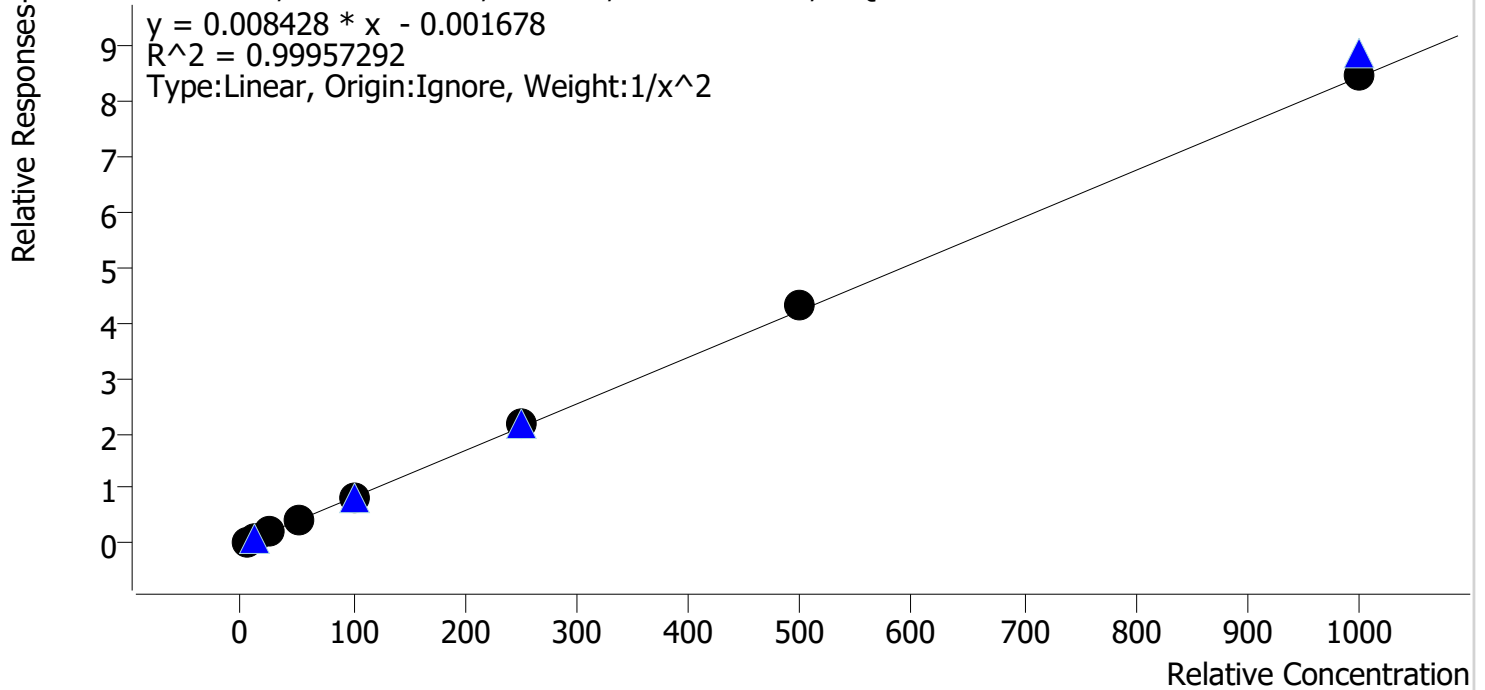
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.0
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	56.1	112.2
cal 5 mdq	5	✓	100.0	108.7	108.7
cal 6 mdq	6	✓	250.0	233.3	93.3
cal 7 mdq	7	✓	500.0	419.8	84.0
cal 8 mdq	8	✓	1000.0	981.2	98.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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

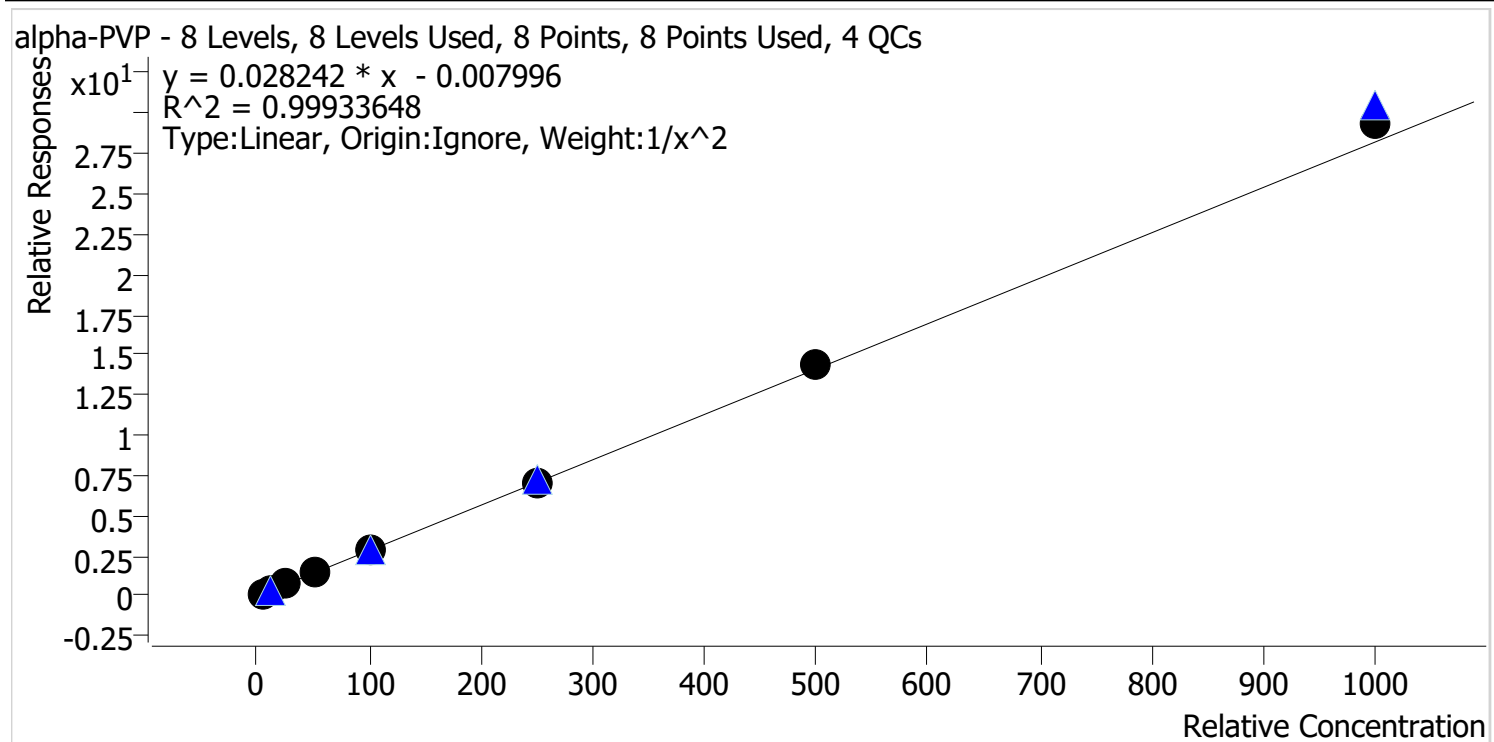


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	48.2	96.4
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	253.8	101.5
cal 7 mdq	7	✓	500.0	509.4	101.9
cal 8 mdq	8	✓	1000.0	1006.4	100.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

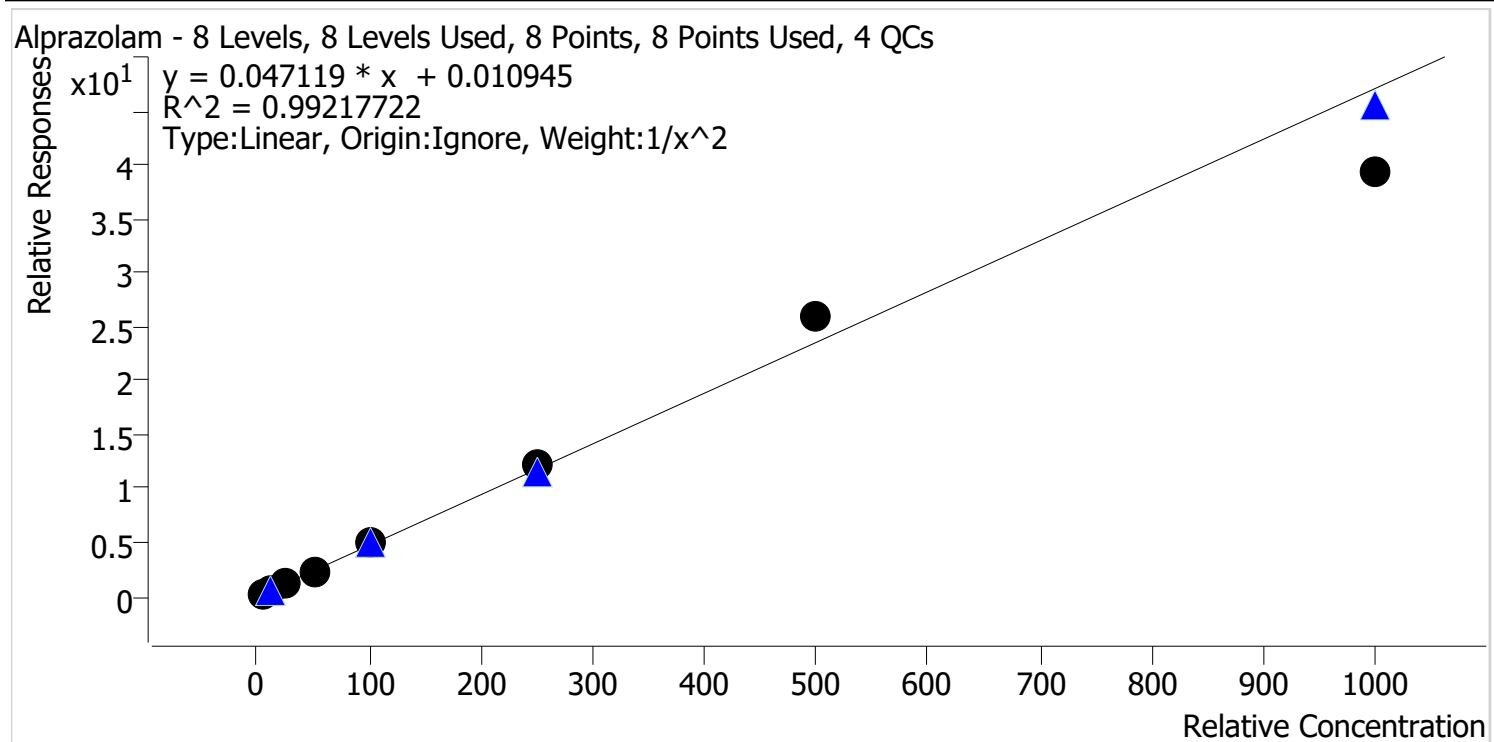


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	511.2	102.2
cal 8 mdq	8	✓	1000.0	1037.9	103.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

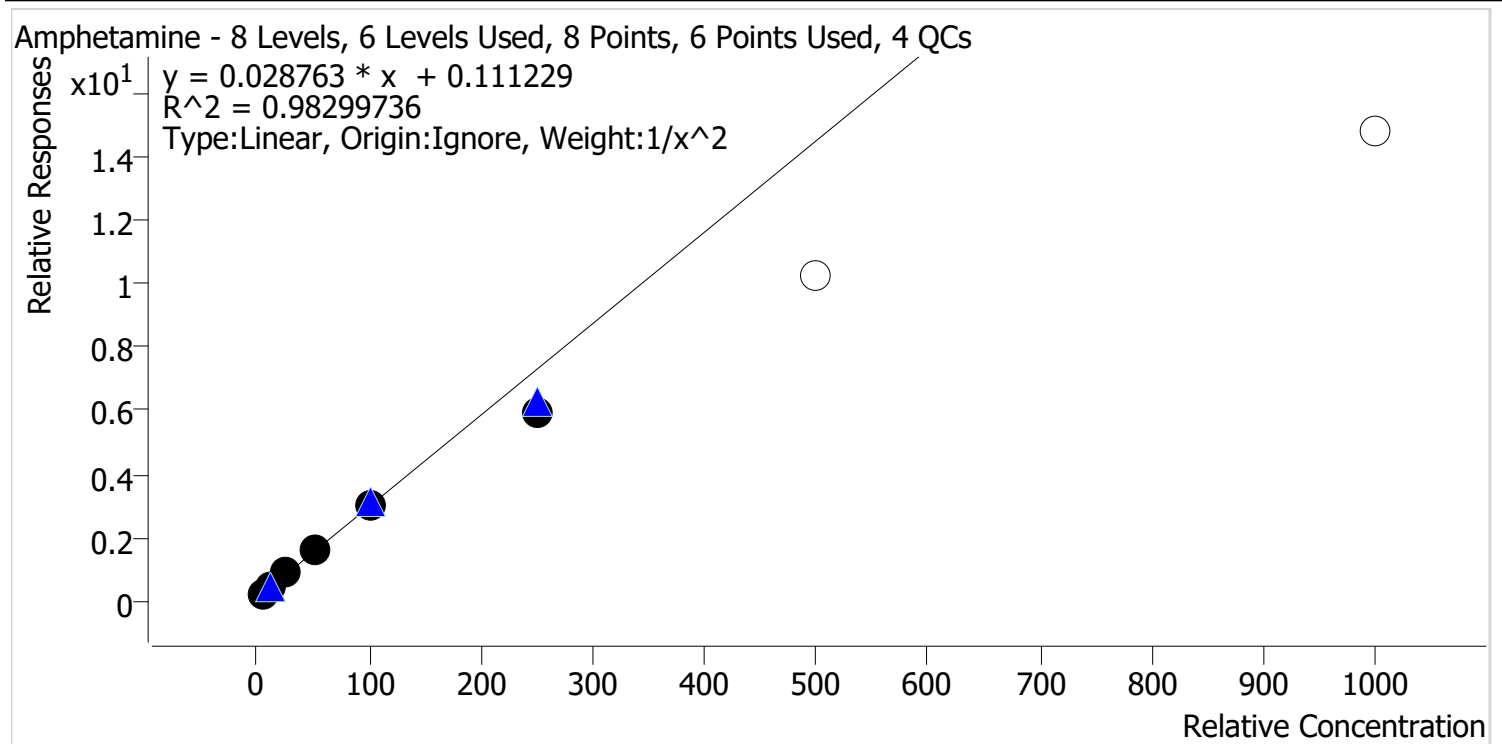


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	257.8	103.1
cal 7 mdq	7	✓	500.0	553.2	110.6
cal 8 mdq	8	✓	1000.0	834.7	83.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



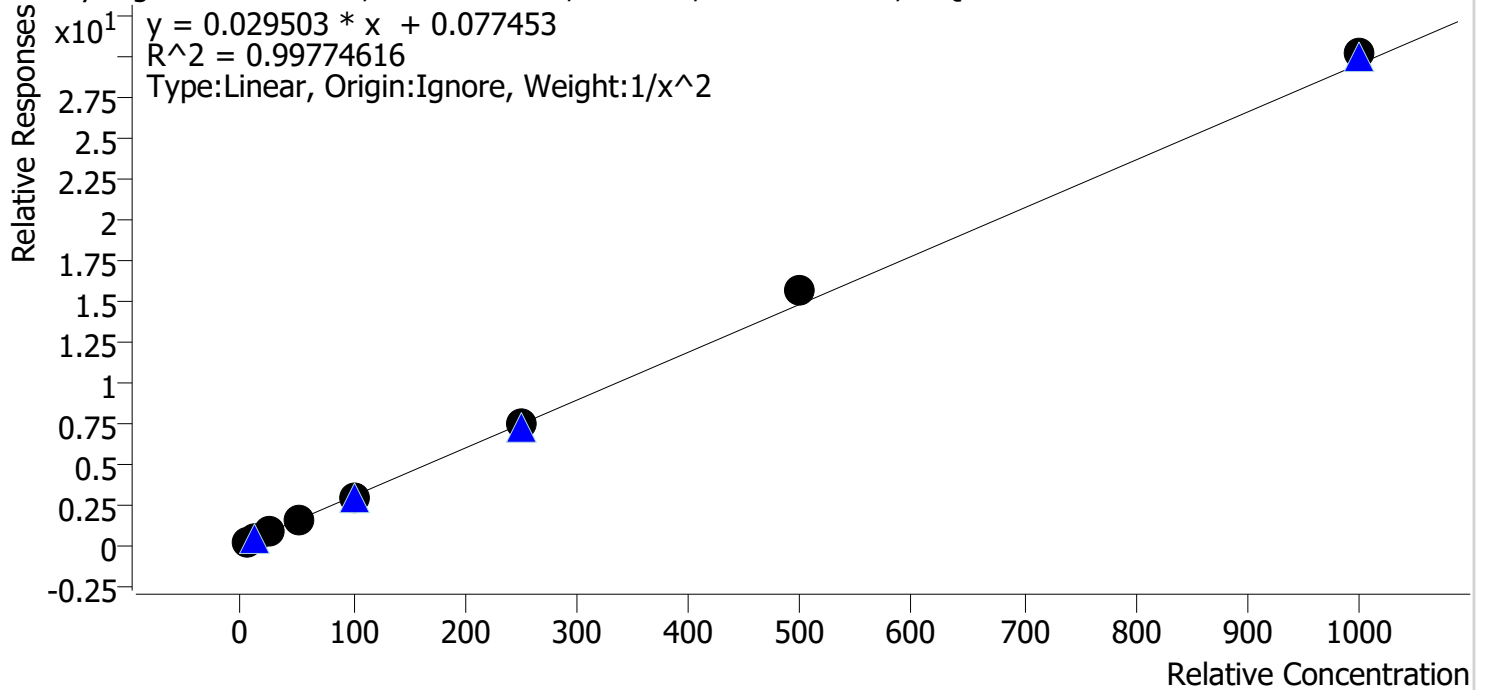
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.7
cal 2 mdq	2	✓	10.0	10.9	108.8
cal 3 mdq	3	✓	25.0	26.7	106.8
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	204.6	81.8
cal 7 mdq	7	✗	500.0	352.6	70.5
cal 8 mdq	8	✗	1000.0	509.5	51.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



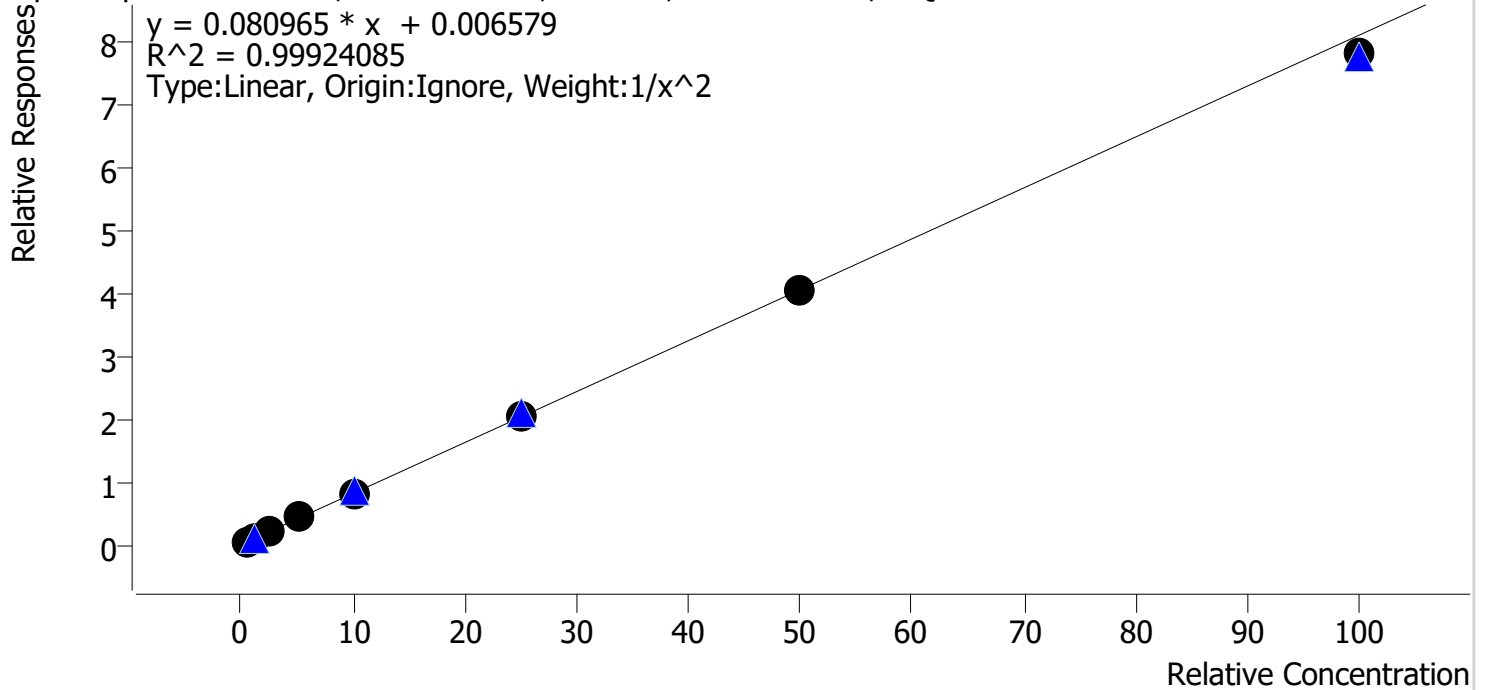
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	9.5	94.6
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	46.6	93.3
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	254.1	101.6
cal 7 mdq	7	✓	500.0	525.6	105.1
cal 8 mdq	8	✓	1000.0	1021.8	102.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



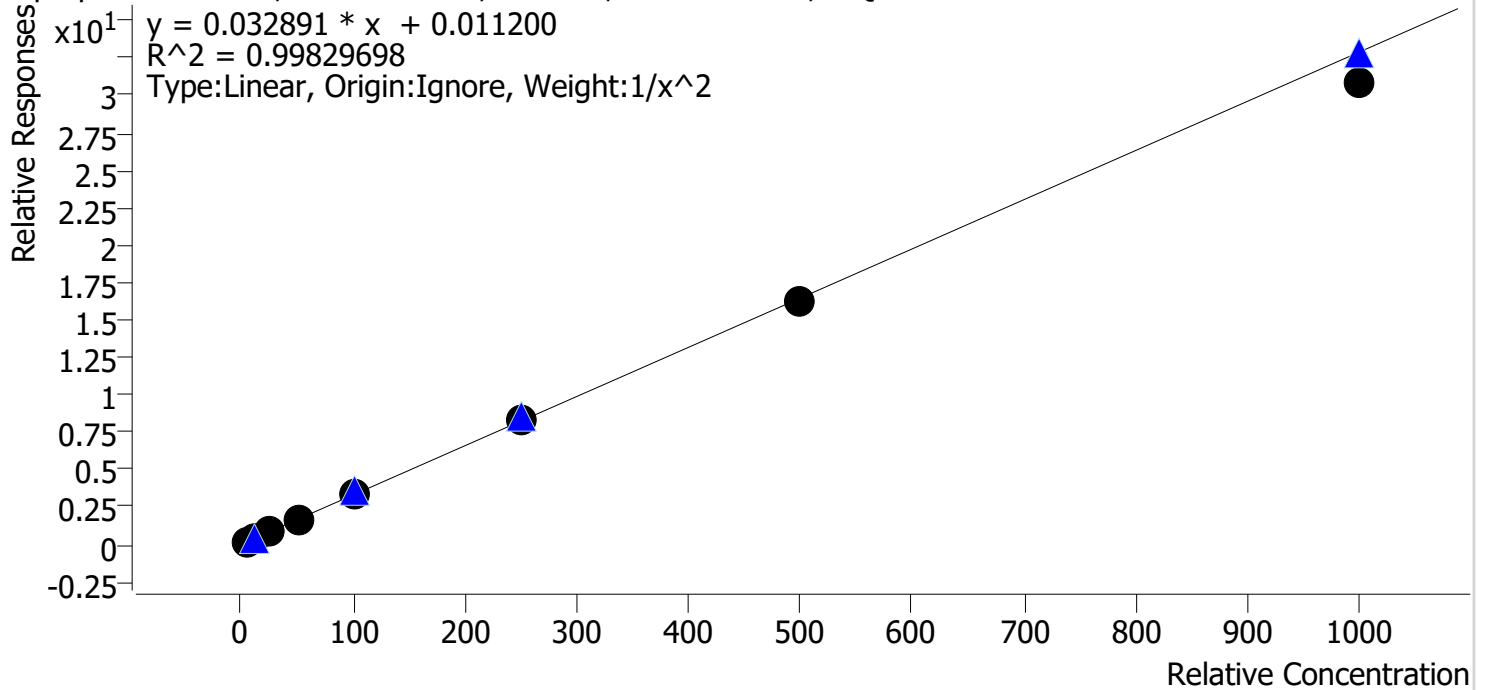
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.1
cal 2 mdq	2	✓	1.0	1.0	96.9
cal 3 mdq	3	✓	2.5	2.5	100.4
cal 4 mdq	4	✓	5.0	5.2	103.4
cal 5 mdq	5	✓	10.0	10.1	101.2
cal 6 mdq	6	✓	25.0	25.4	101.6
cal 7 mdq	7	✓	50.0	49.5	99.1
cal 8 mdq	8	✓	100.0	96.4	96.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	490.7	98.1
cal 8 mdq	8	✓	1000.0	938.3	93.8

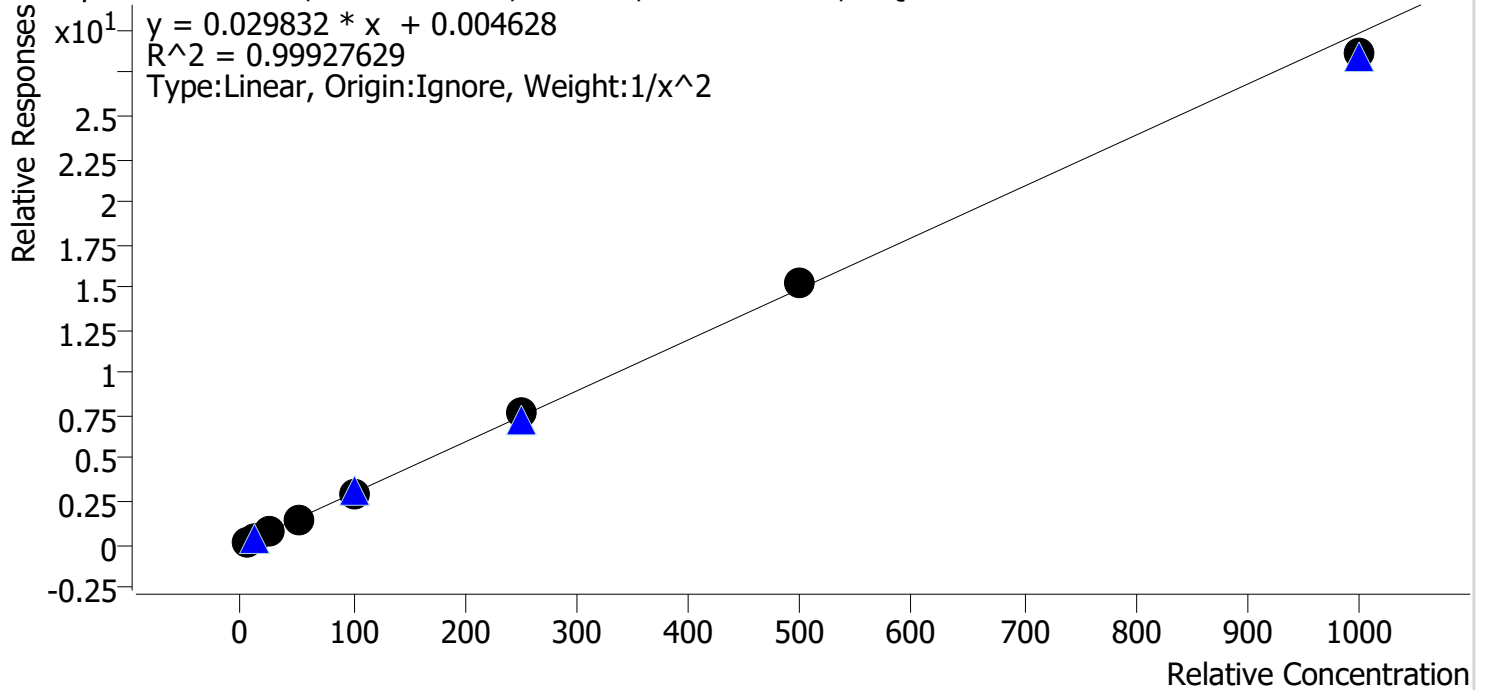
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Carisoprodol

Internal Standard Carisoprodol-D7

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



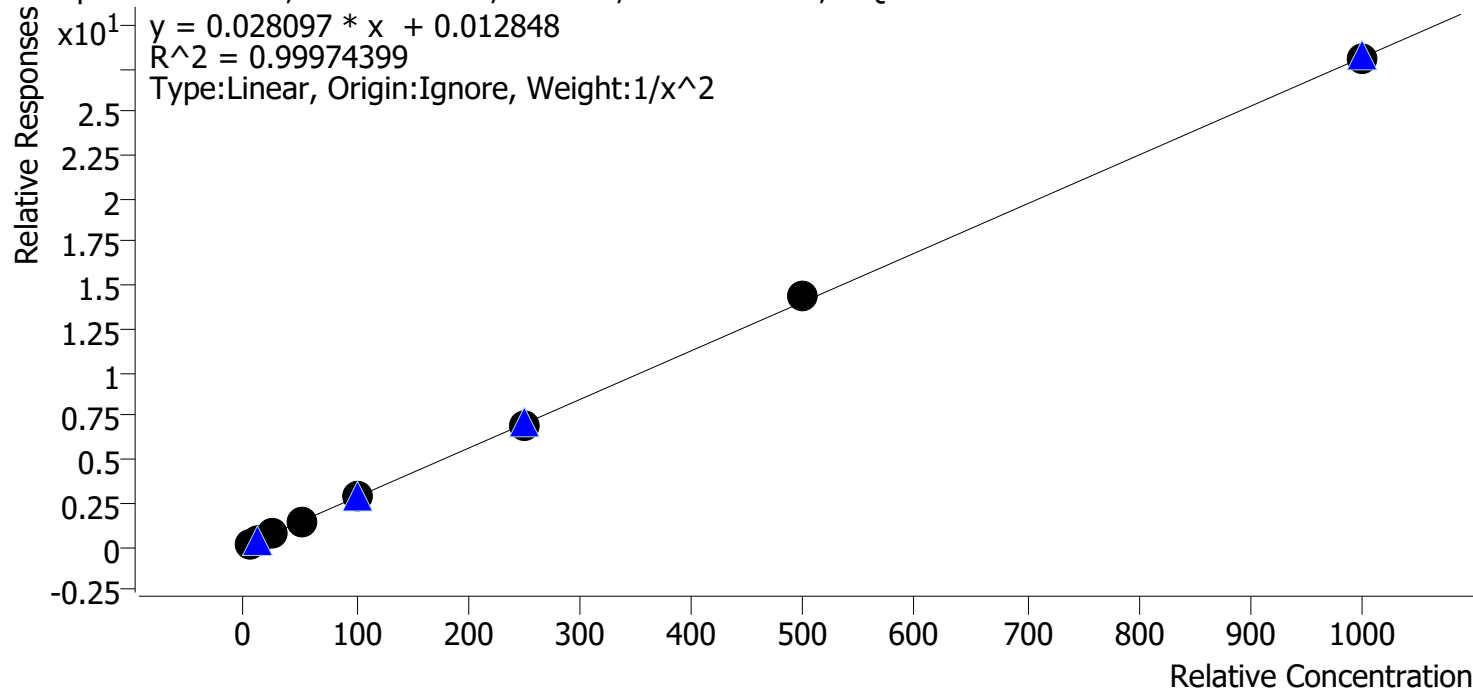
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	256.1	102.4
cal 7 mdq	7	✓	500.0	510.8	102.2
cal 8 mdq	8	✓	1000.0	959.9	96.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



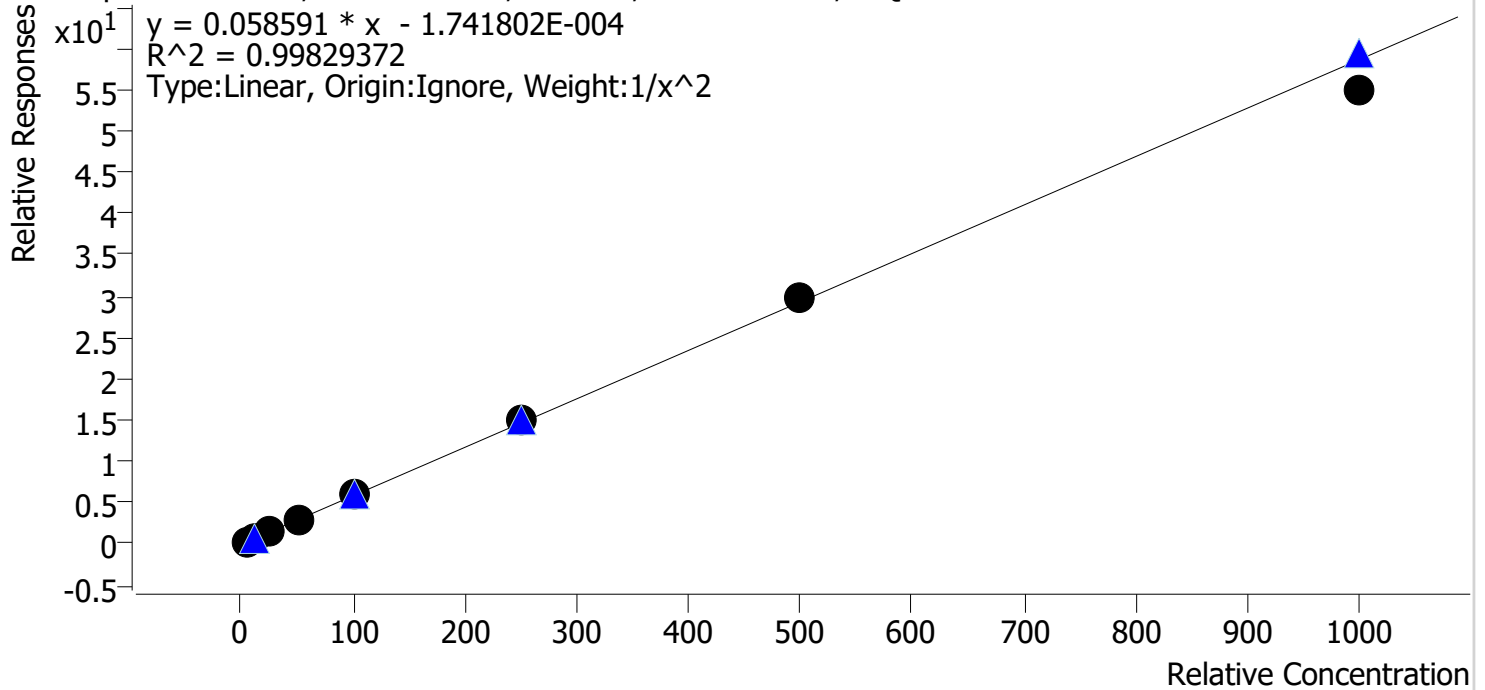
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	509.8	102.0
cal 8 mdq	8	✓	1000.0	996.1	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



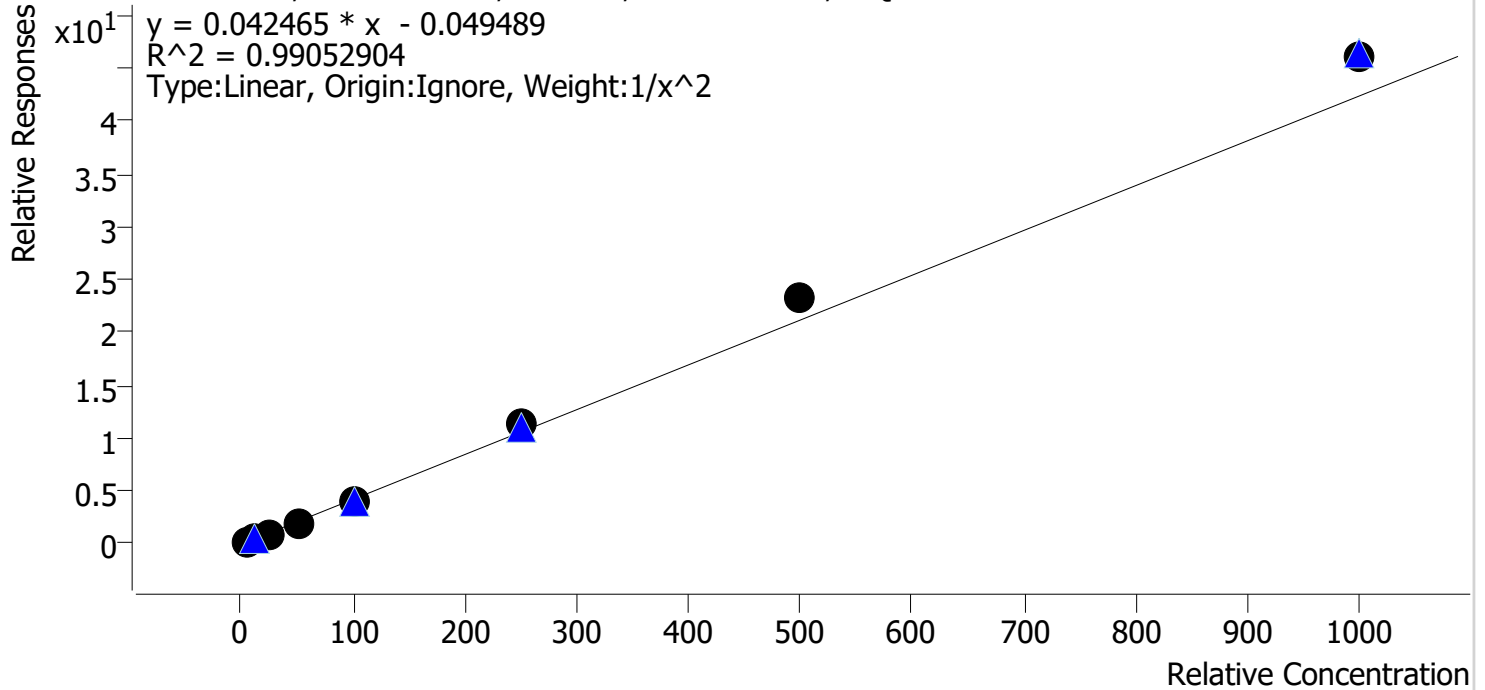
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	258.1	103.2
cal 7 mdq	7	✓	500.0	508.1	101.6
cal 8 mdq	8	✓	1000.0	940.2	94.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Nordiazepam-D5

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



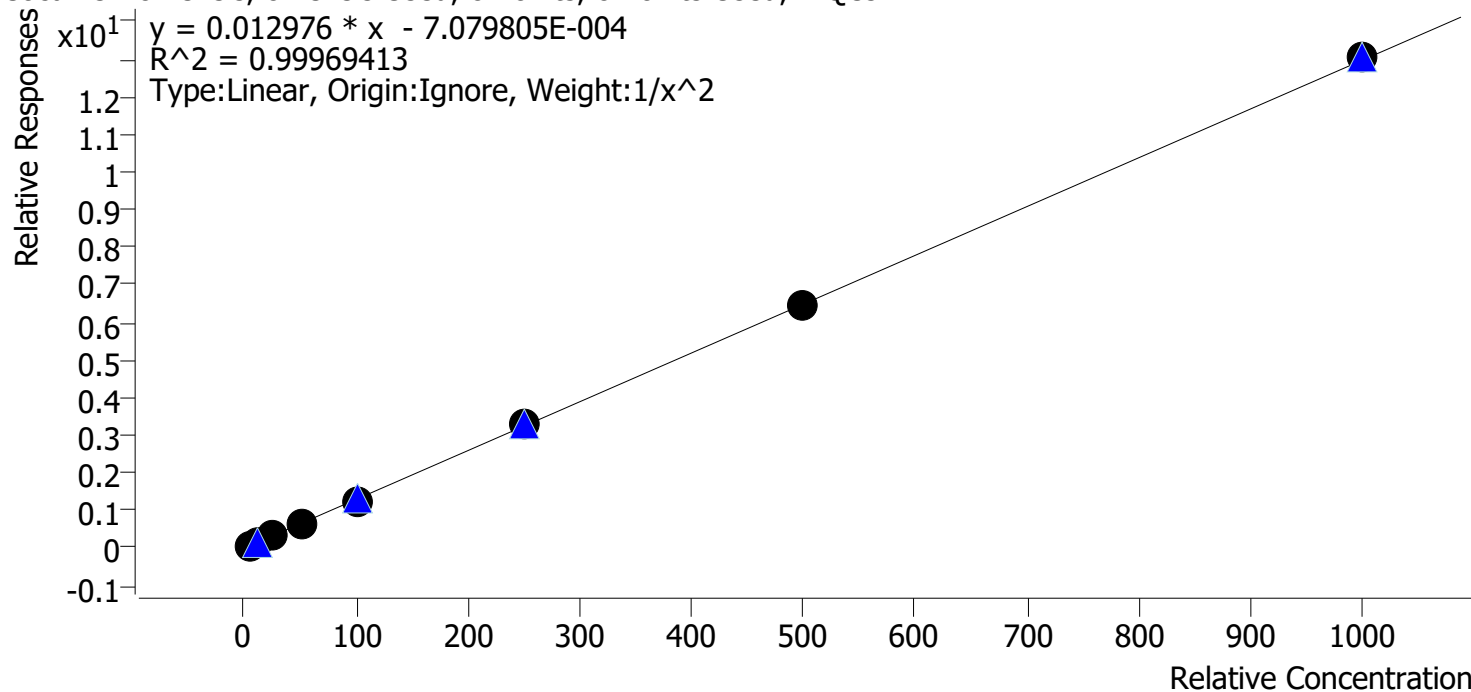
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	22.5	90.1
cal 4 mdq	4	✓	50.0	45.1	90.1
cal 5 mdq	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	265.9	106.4
cal 7 mdq	7	✓	500.0	548.5	109.7
cal 8 mdq	8	✓	1000.0	1088.9	108.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



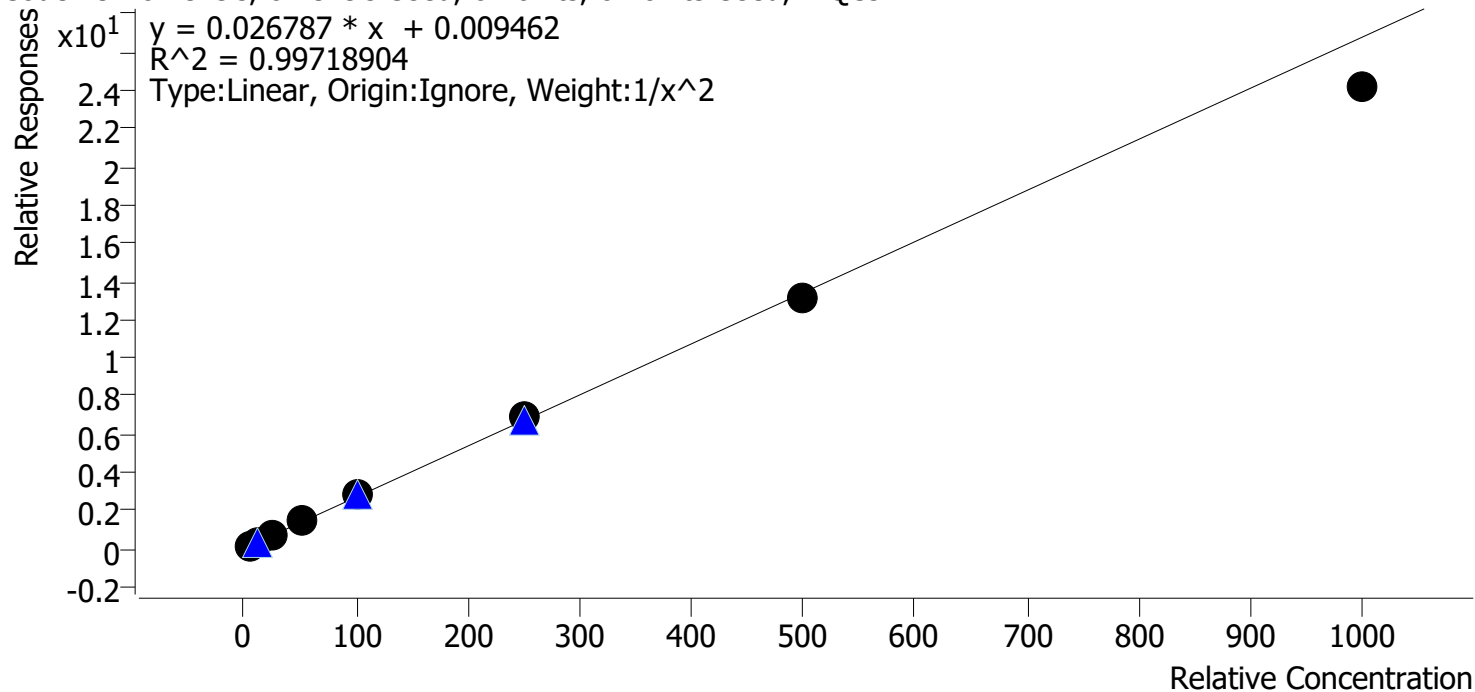
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	254.1	101.6
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	1003.8	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



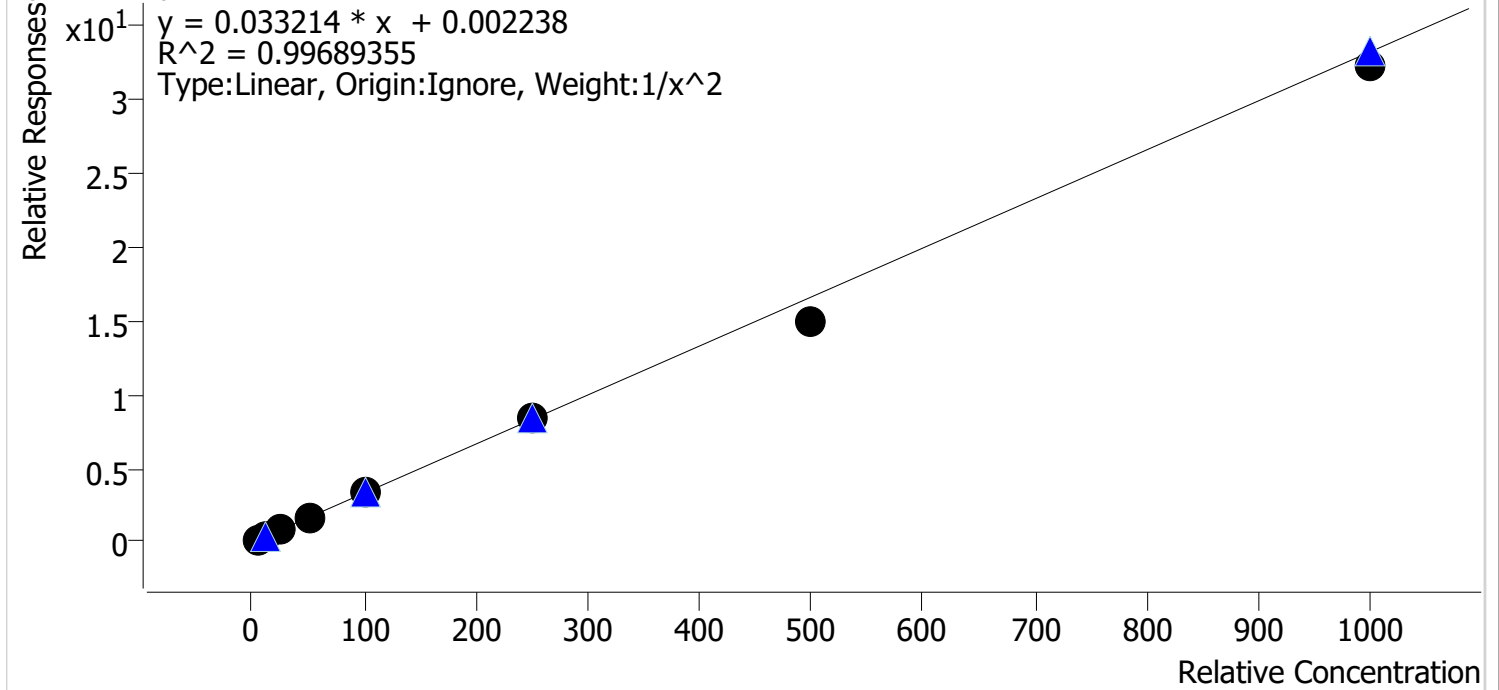
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	26.1	104.6
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	486.8	97.4
cal 8 mdq	8	✓	1000.0	904.6	90.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



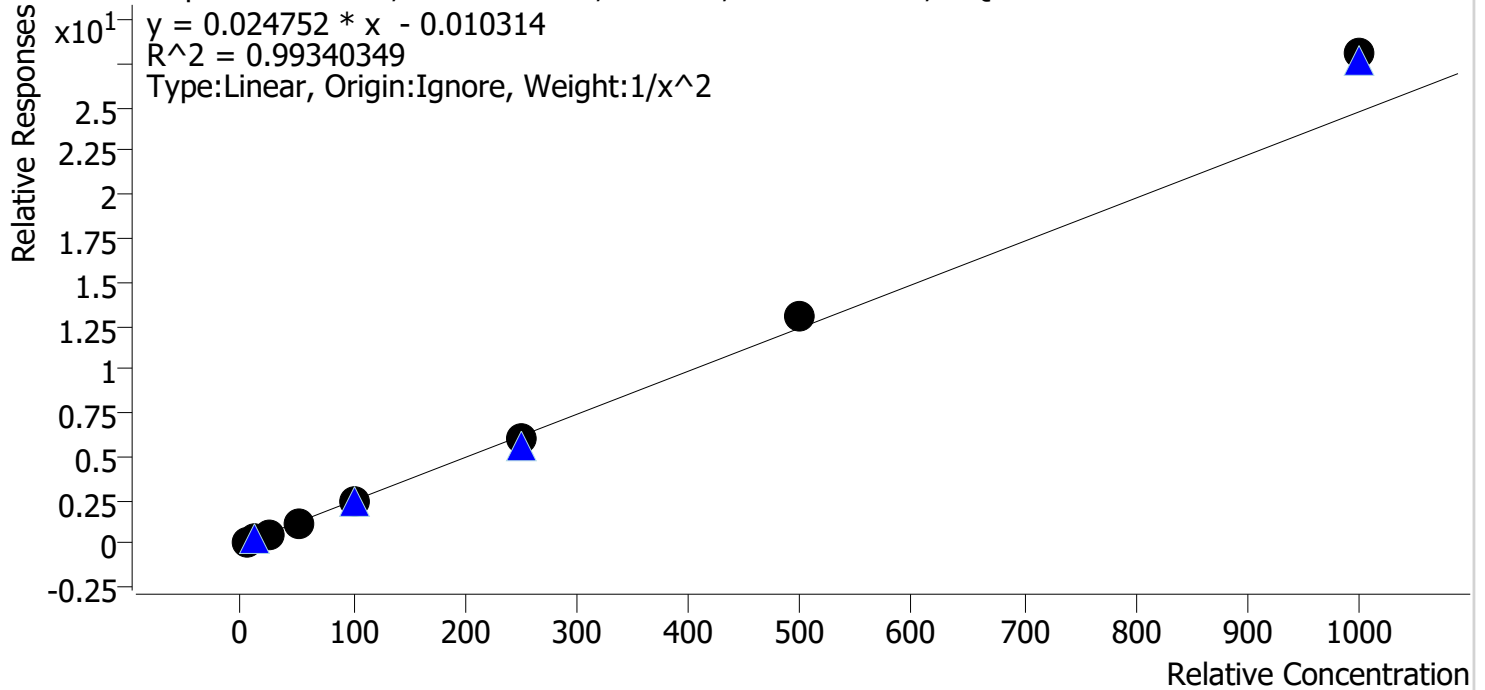
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.4	104.1
cal 3 mdq	3	✓	25.0	25.5	101.8
cal 4 mdq	4	✓	50.0	52.2	104.3
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	253.6	101.5
cal 7 mdq	7	✓	500.0	451.3	90.3
cal 8 mdq	8	✓	1000.0	973.8	97.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



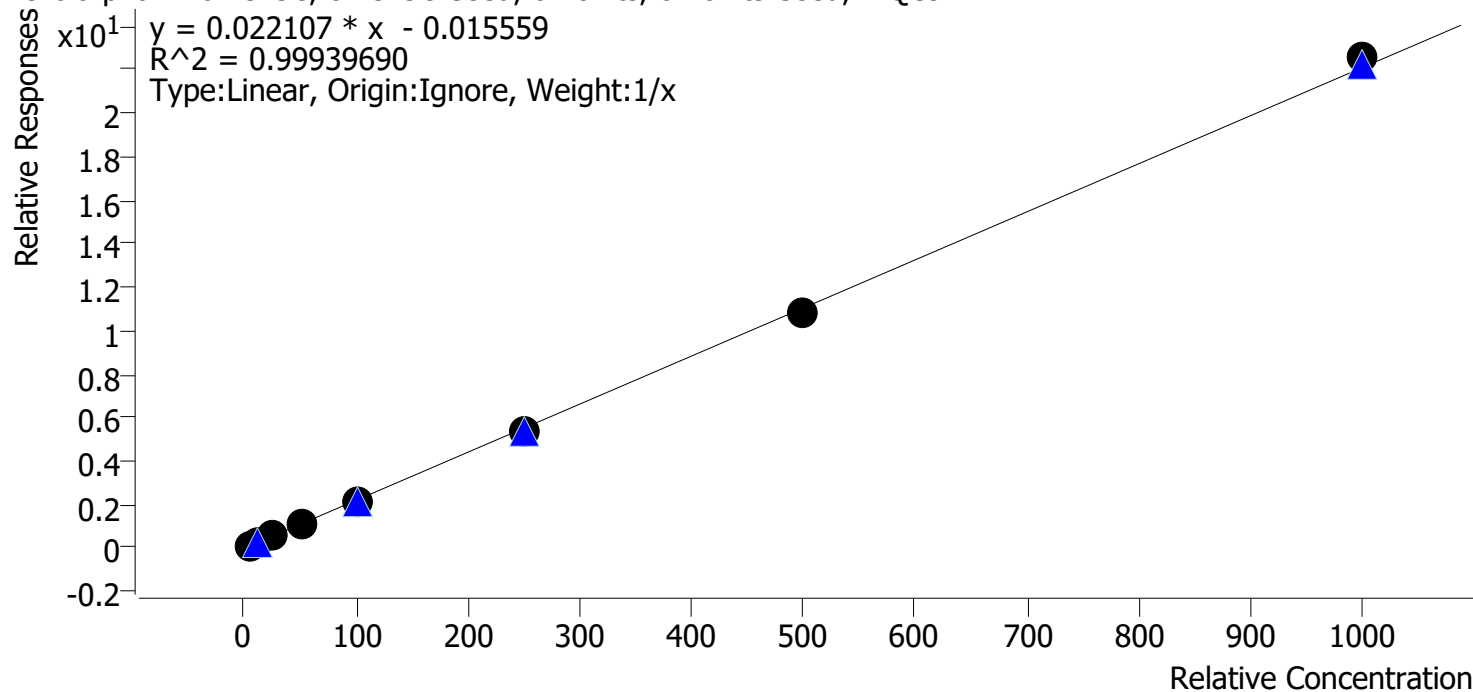
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.3
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	46.9	93.7
cal 5 mdq	5	✓	100.0	95.1	95.1
cal 6 mdq	6	✓	250.0	244.1	97.7
cal 7 mdq	7	✓	500.0	528.5	105.7
cal 8 mdq	8	✓	1000.0	1134.7	113.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



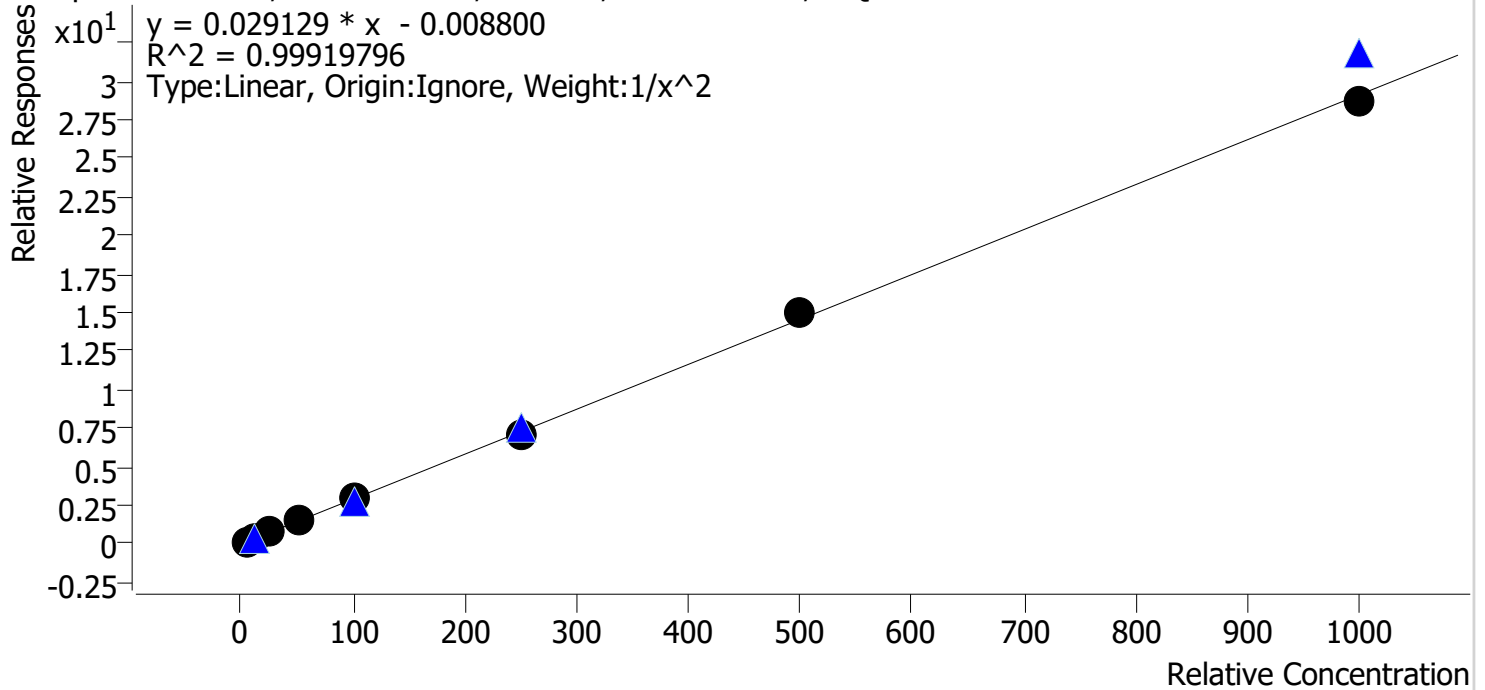
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.4
cal 2 mdq	2	✓	10.0	10.4	104.1
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	48.0	96.1
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	242.2	96.9
cal 7 mdq	7	✓	500.0	492.0	98.4
cal 8 mdq	8	✓	1000.0	1020.9	102.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



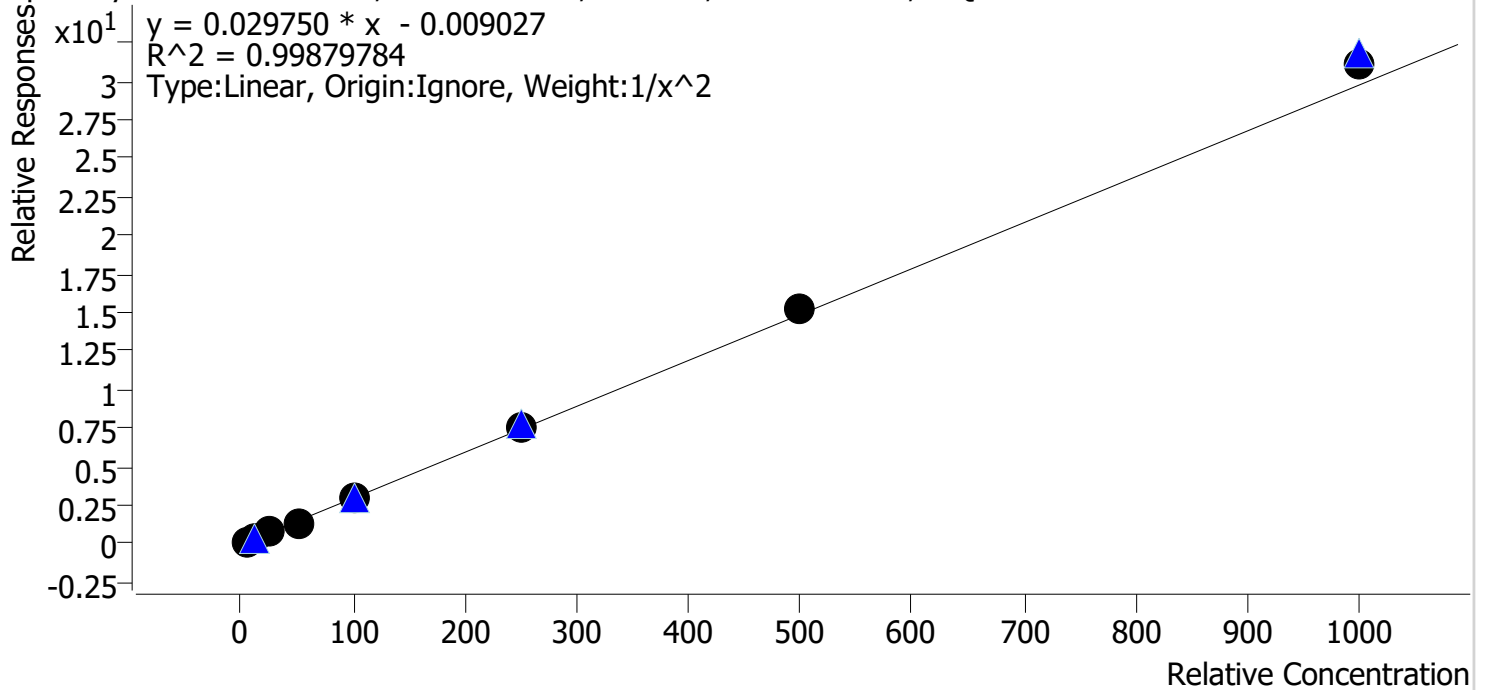
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	242.0	96.8
cal 7 mdq	7	✓	500.0	513.3	102.7
cal 8 mdq	8	✓	1000.0	986.9	98.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



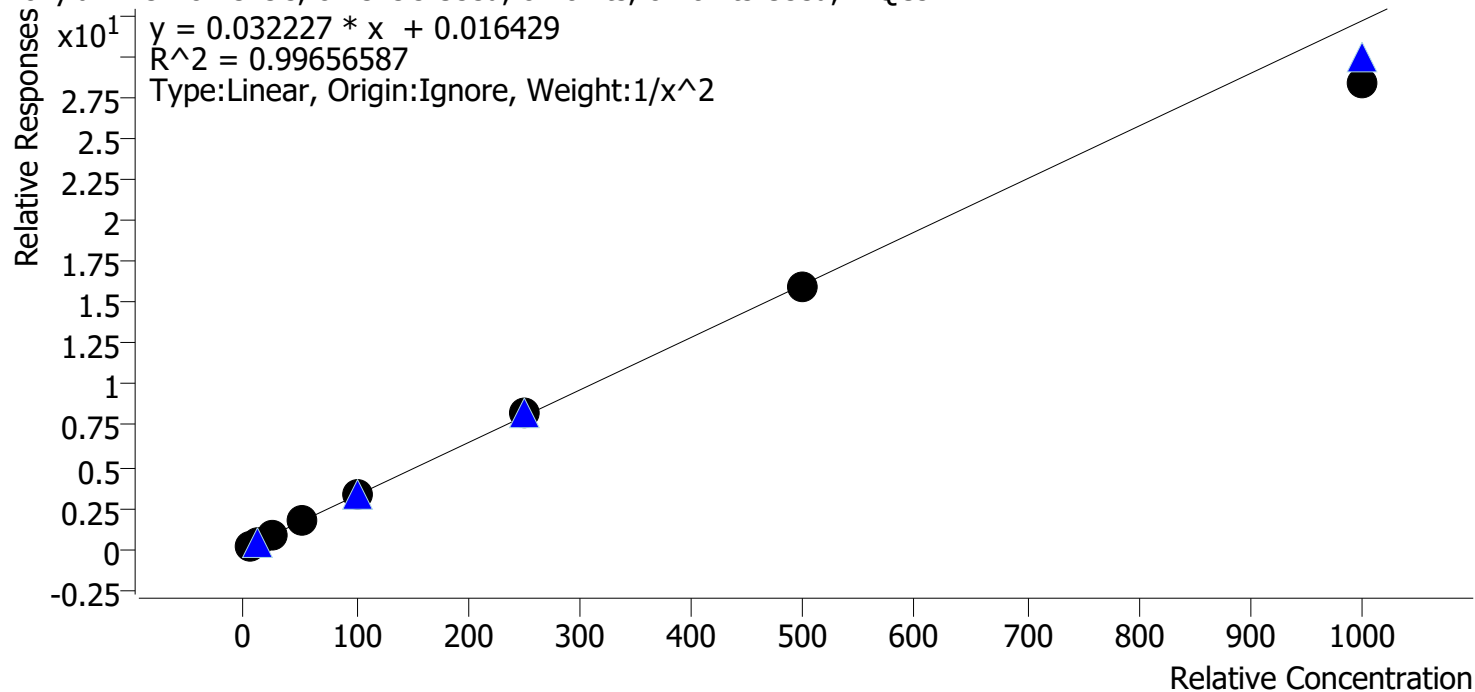
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	47.7	95.4
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	251.4	100.6
cal 7 mdq	7	✓	500.0	515.4	103.1
cal 8 mdq	8	✓	1000.0	1043.2	104.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



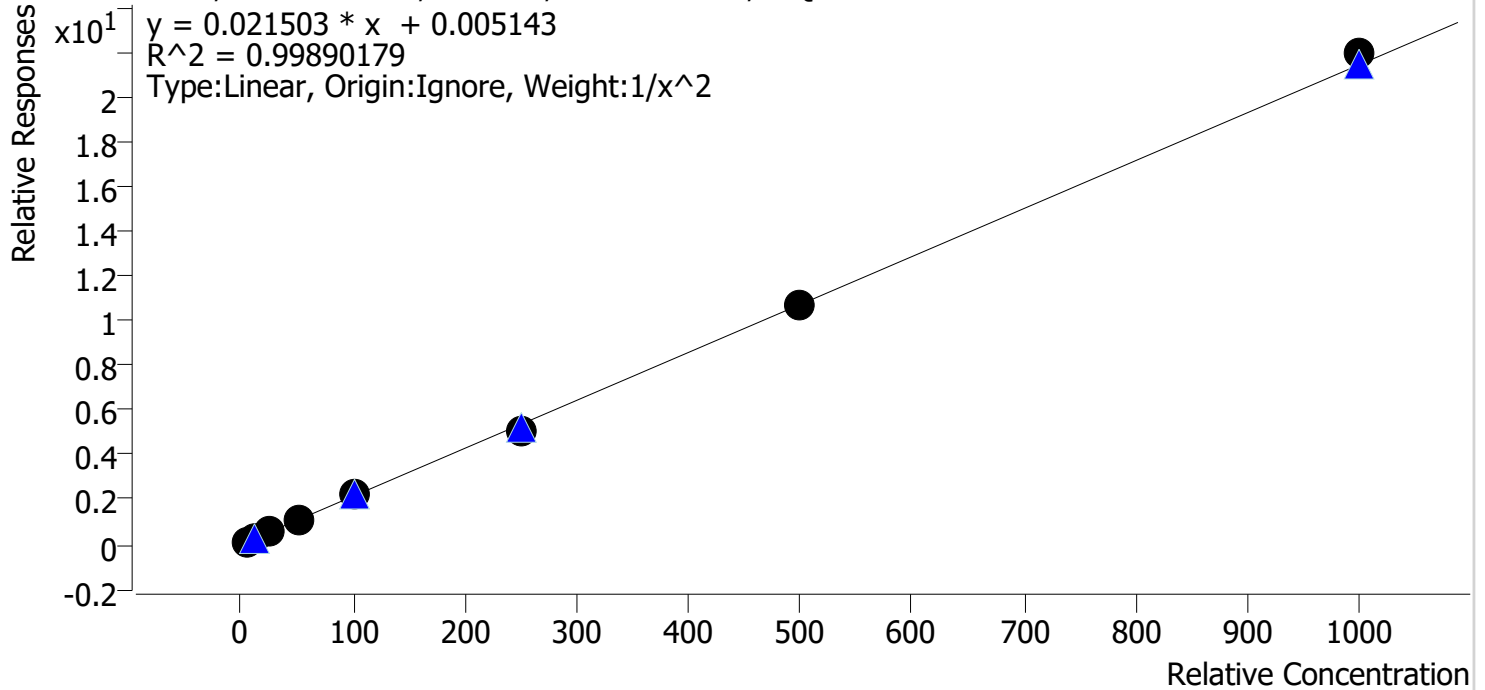
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	26.0	103.9
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	885.0	88.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



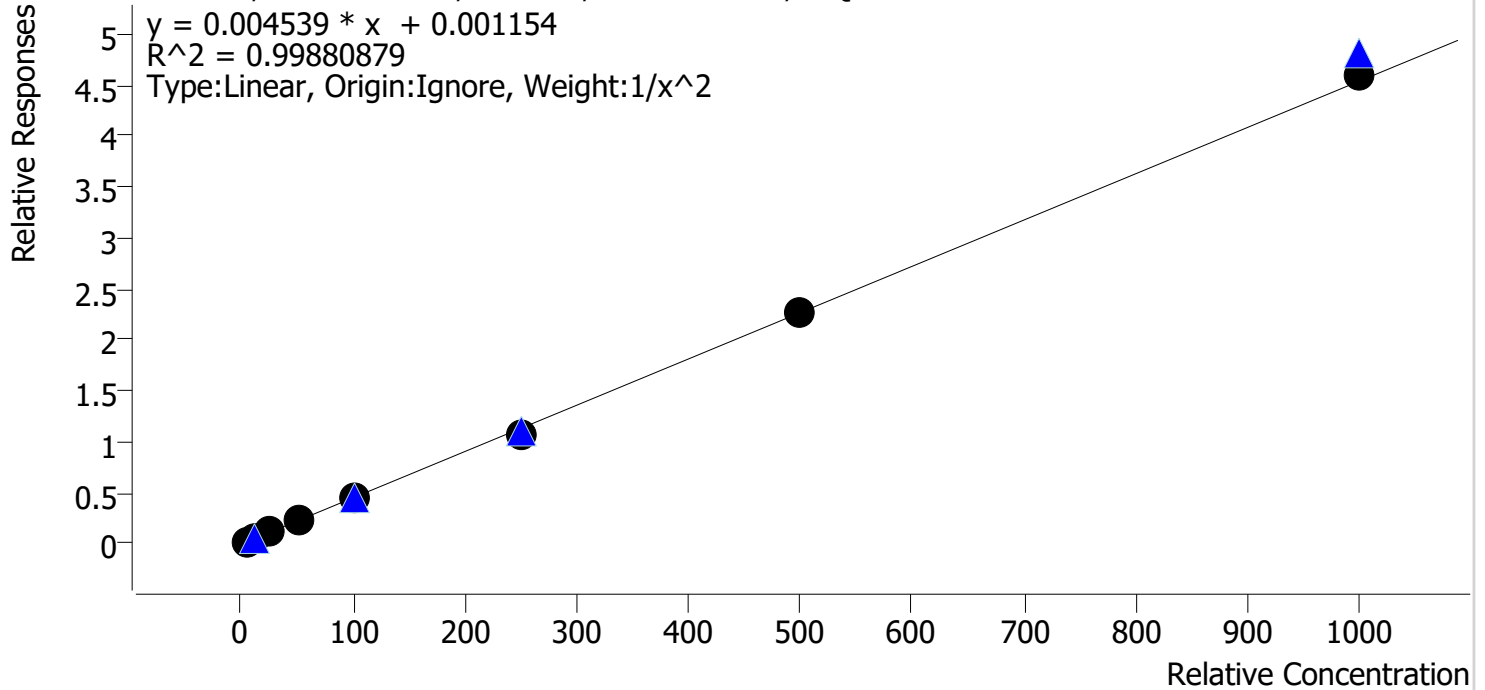
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	26.0	103.8
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	239.6	95.8
cal 7 mdq	7	✓	500.0	498.5	99.7
cal 8 mdq	8	✓	1000.0	1023.4	102.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Diazepam-D5

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



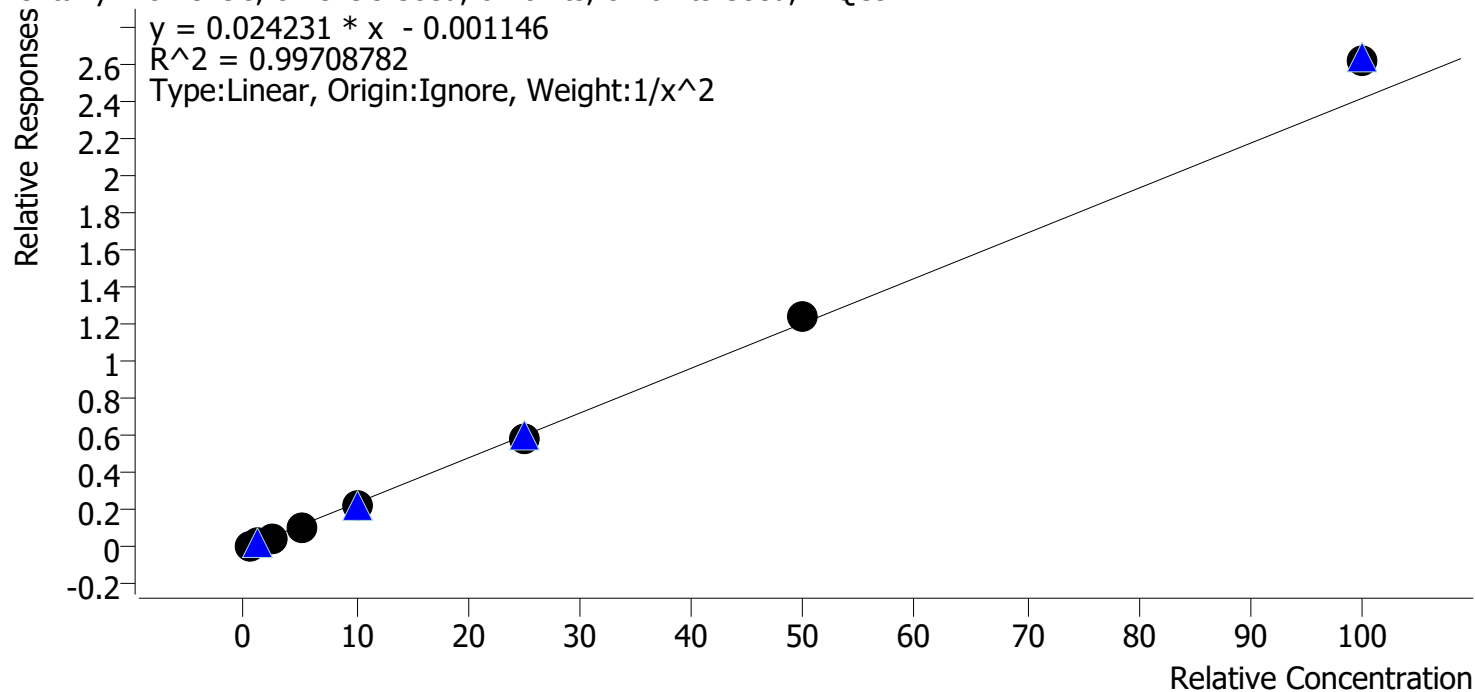
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	237.3	94.9
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	1014.8	101.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



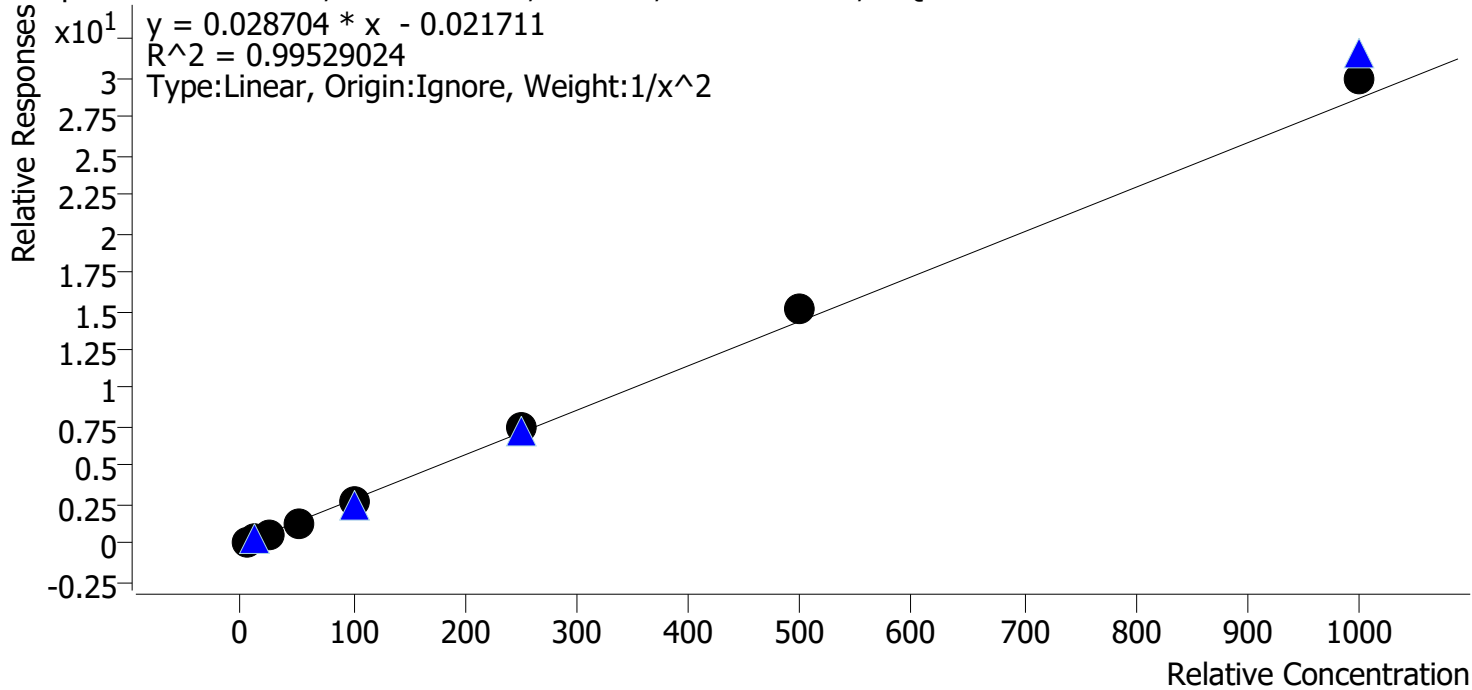
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.4
cal 2 mdq	2	✓	1.0	1.0	95.6
cal 3 mdq	3	✓	2.5	2.4	96.3
cal 4 mdq	4	✓	5.0	4.8	96.0
cal 5 mdq	5	✓	10.0	9.8	97.9
cal 6 mdq	6	✓	25.0	24.7	98.7
cal 7 mdq	7	✓	50.0	51.9	103.7
cal 8 mdq	8	✓	100.0	108.5	108.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Nordiazepam-D5

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



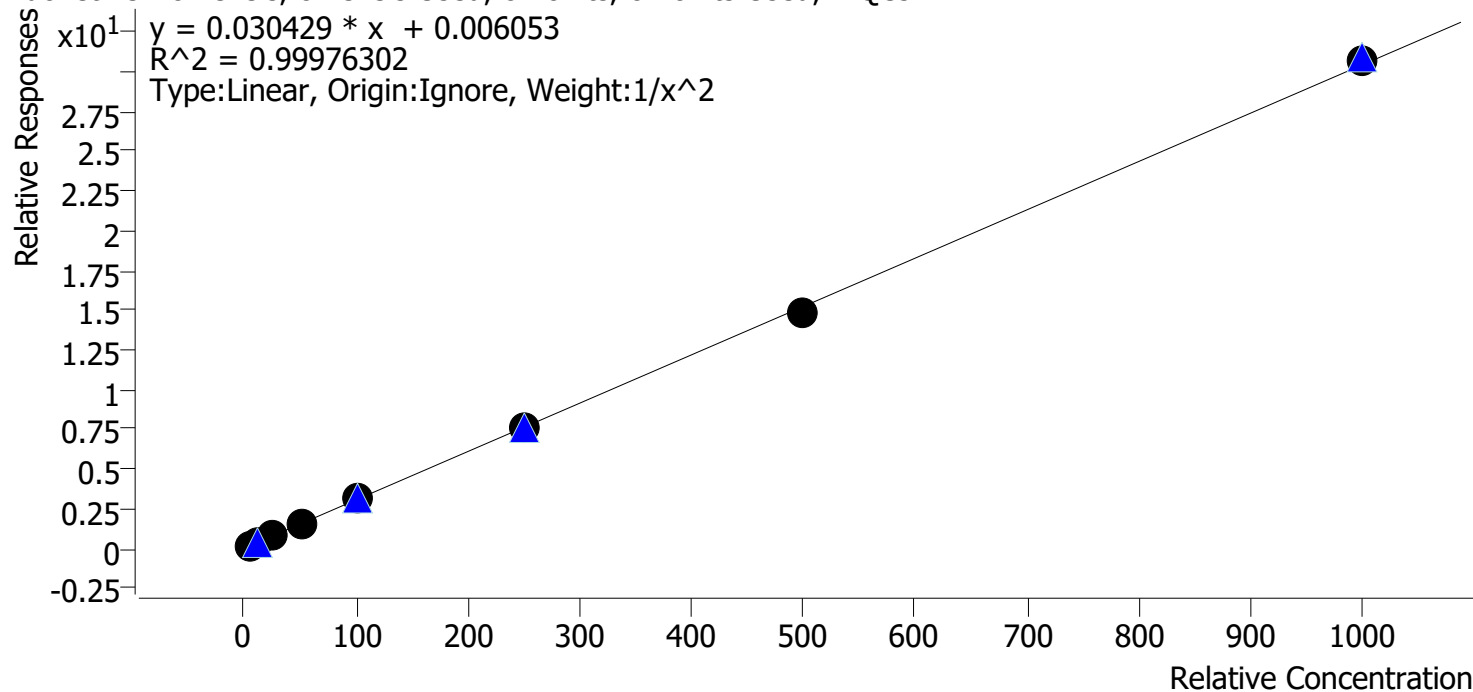
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.7
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	22.6	90.3
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	95.3	95.3
cal 6 mdq	6	✓	250.0	265.5	106.2
cal 7 mdq	7	✓	500.0	531.8	106.4
cal 8 mdq	8	✓	1000.0	1046.7	104.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



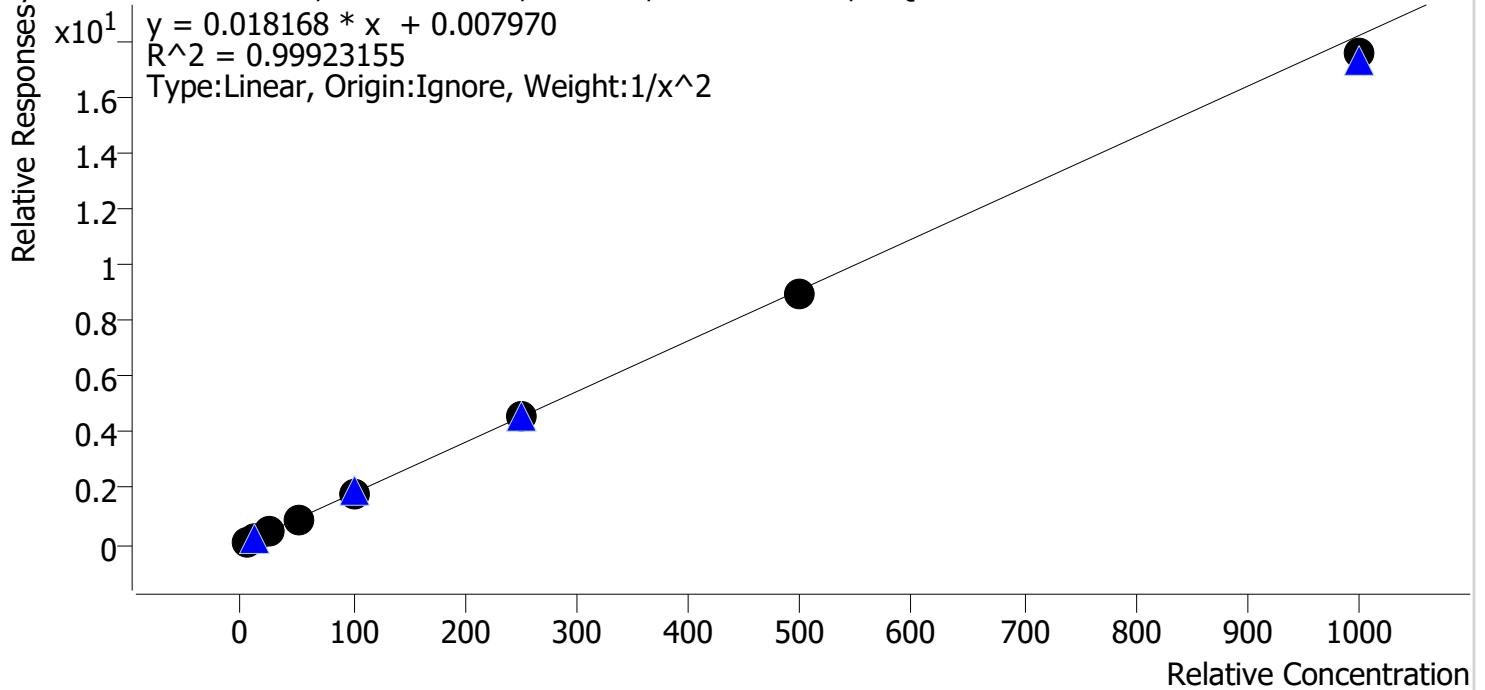
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	484.3	96.9
cal 8 mdq	8	✓	1000.0	1008.3	100.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



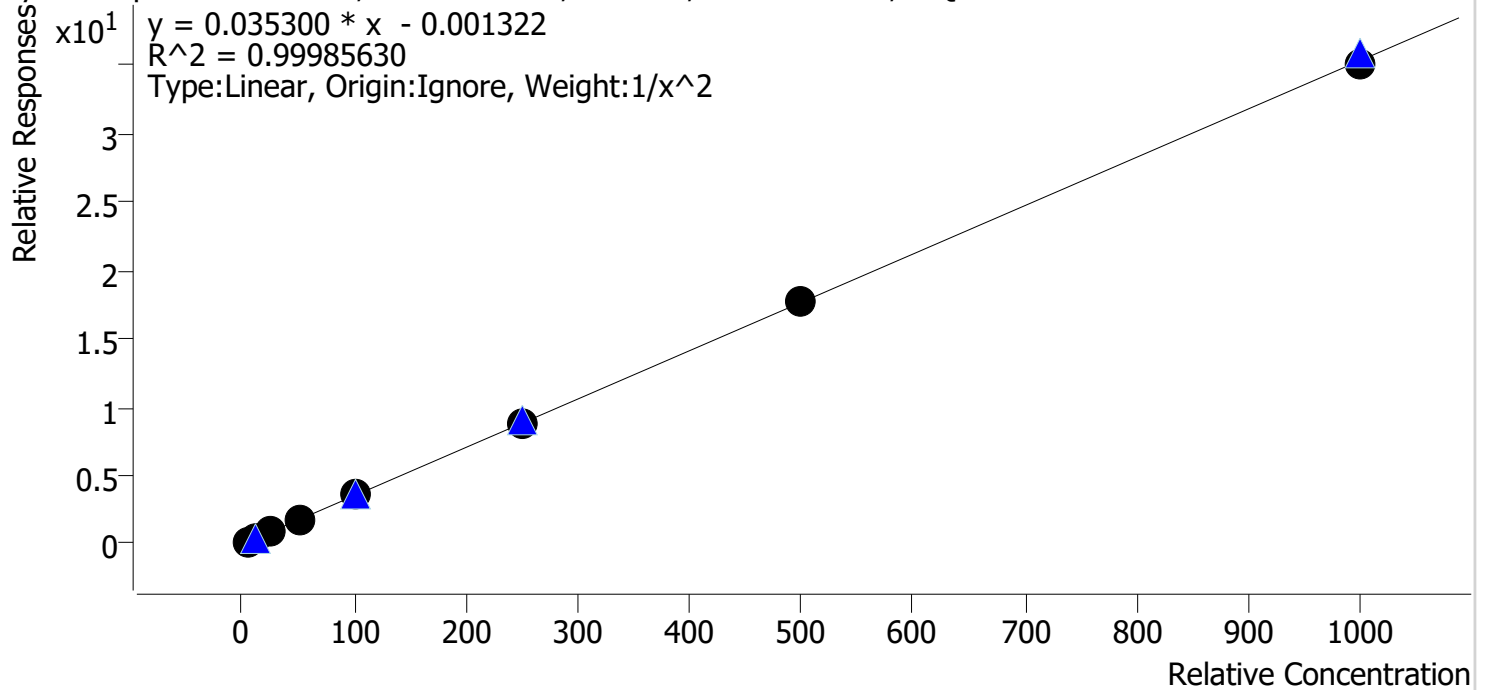
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	492.9	98.6
cal 8 mdq	8	✓	1000.0	964.3	96.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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

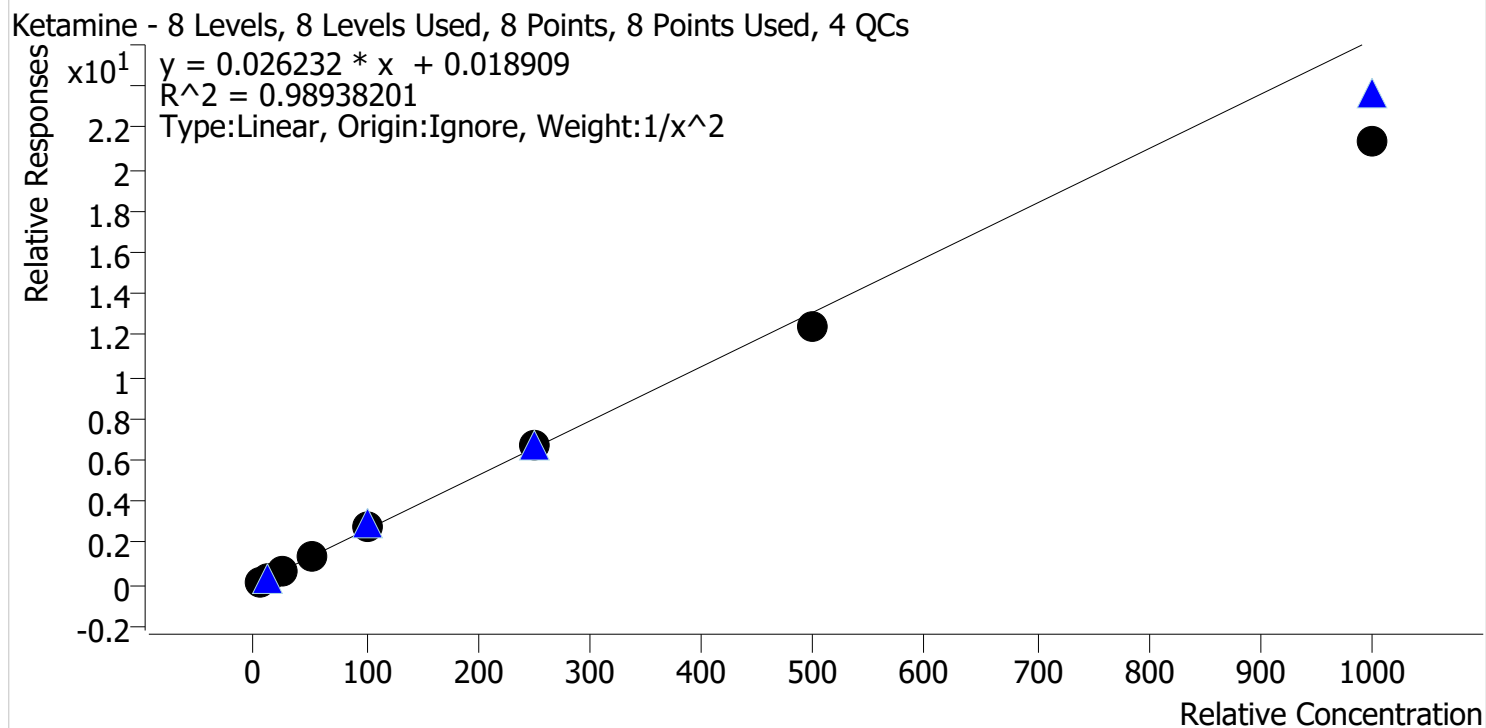


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	499.9	100.0
cal 8 mdq	8	✓	1000.0	991.5	99.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



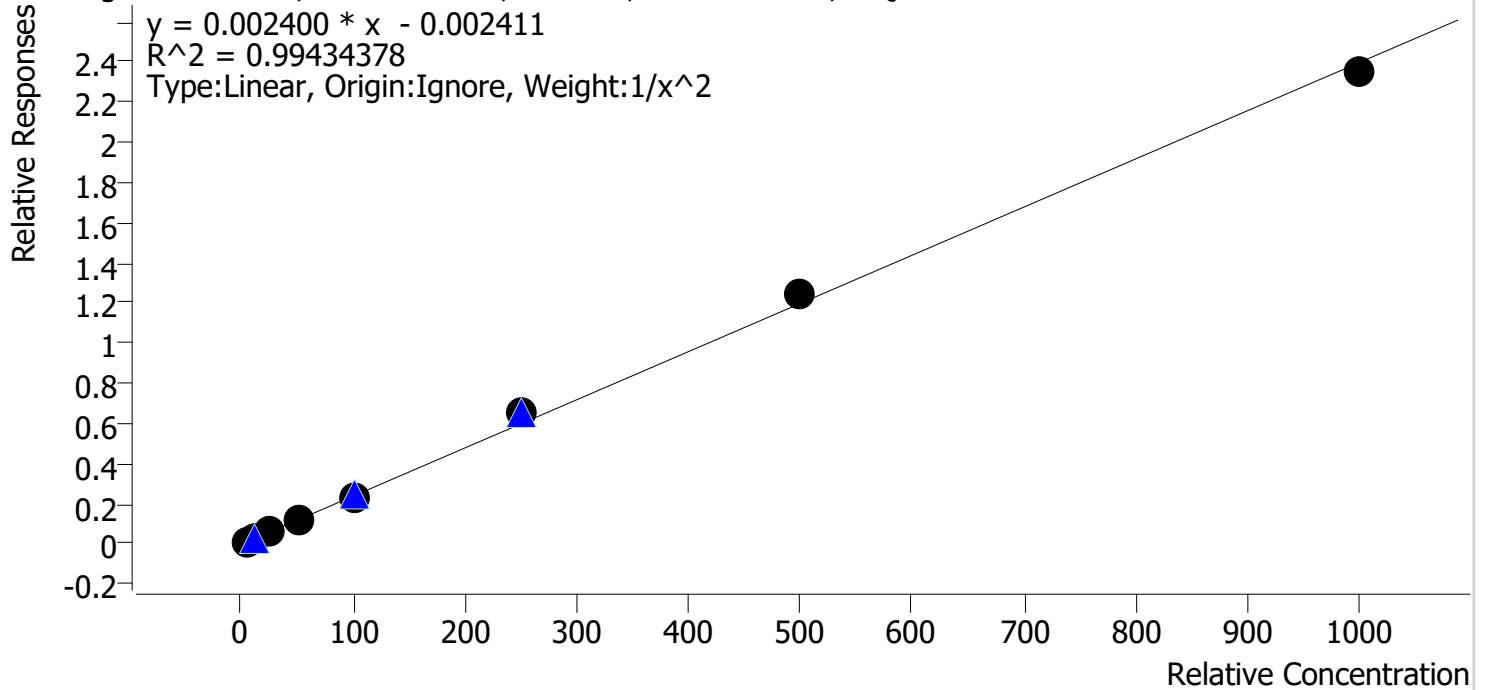
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.7
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	107.4	107.4
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	474.6	94.9
cal 8 mdq	8	✓	1000.0	815.6	81.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Fluoxetine-D6

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



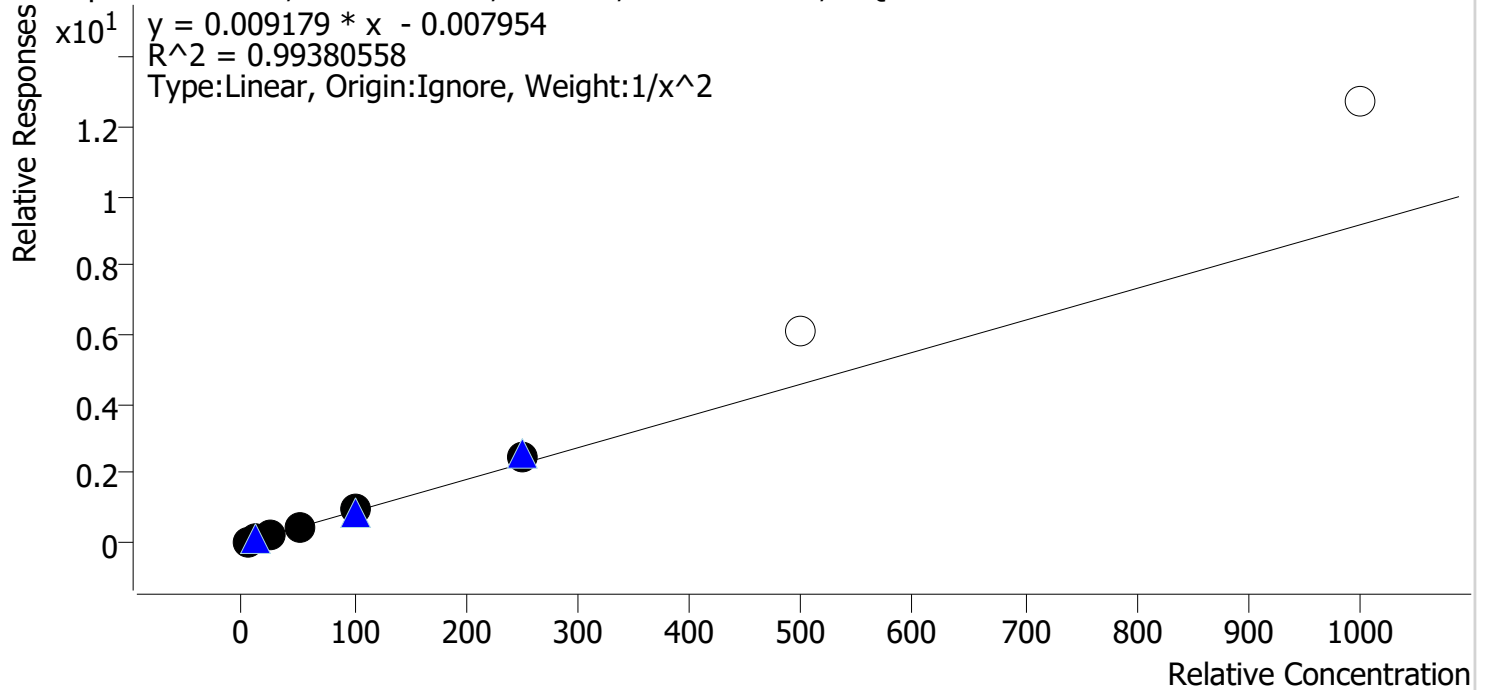
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	9.1	91.3
cal 3 mdq	3	✓	25.0	23.3	93.2
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	276.6	110.6
cal 7 mdq	7	✓	500.0	522.3	104.5
cal 8 mdq	8	✓	1000.0	982.9	98.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



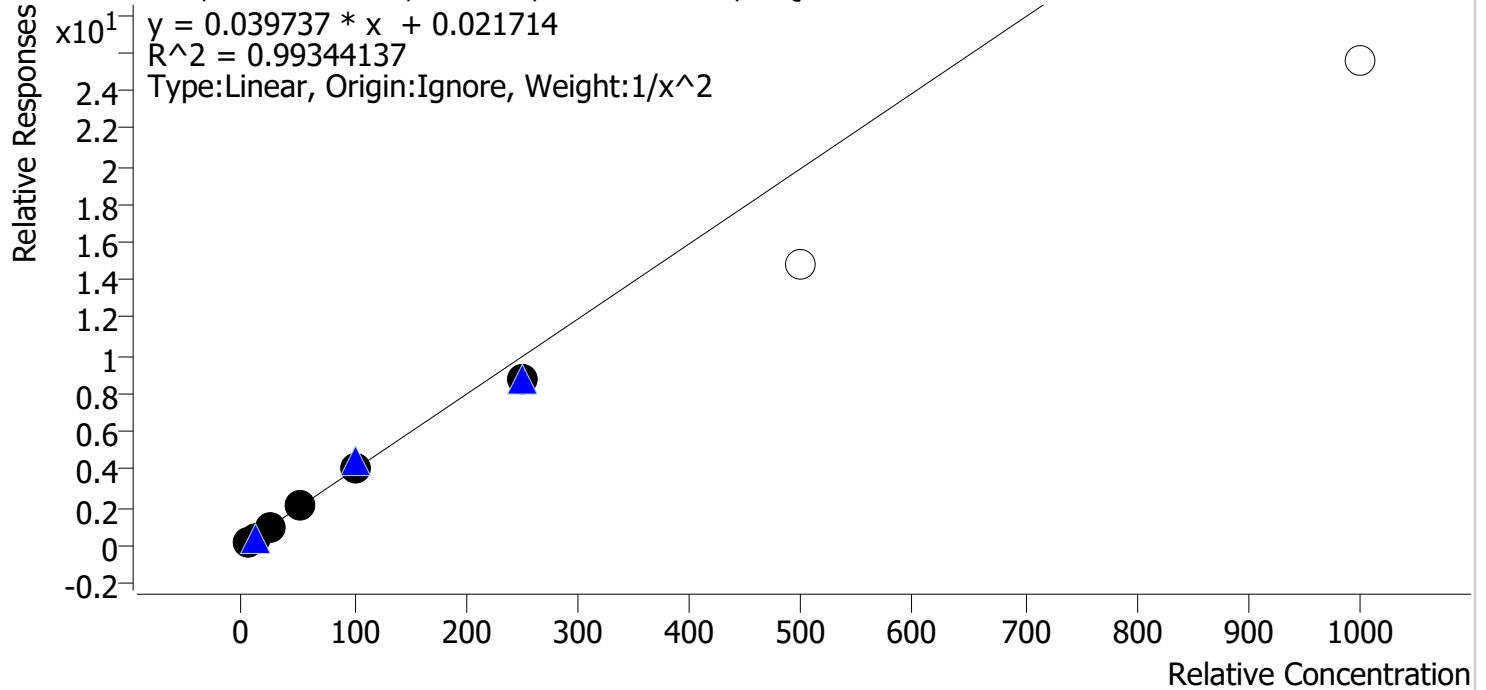
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	23.5	94.0
cal 4 mdq	4	✓	50.0	45.9	91.8
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	273.1	109.3
cal 7 mdq	7	✗	500.0	669.7	133.9
cal 8 mdq	8	✗	1000.0	1393.1	139.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



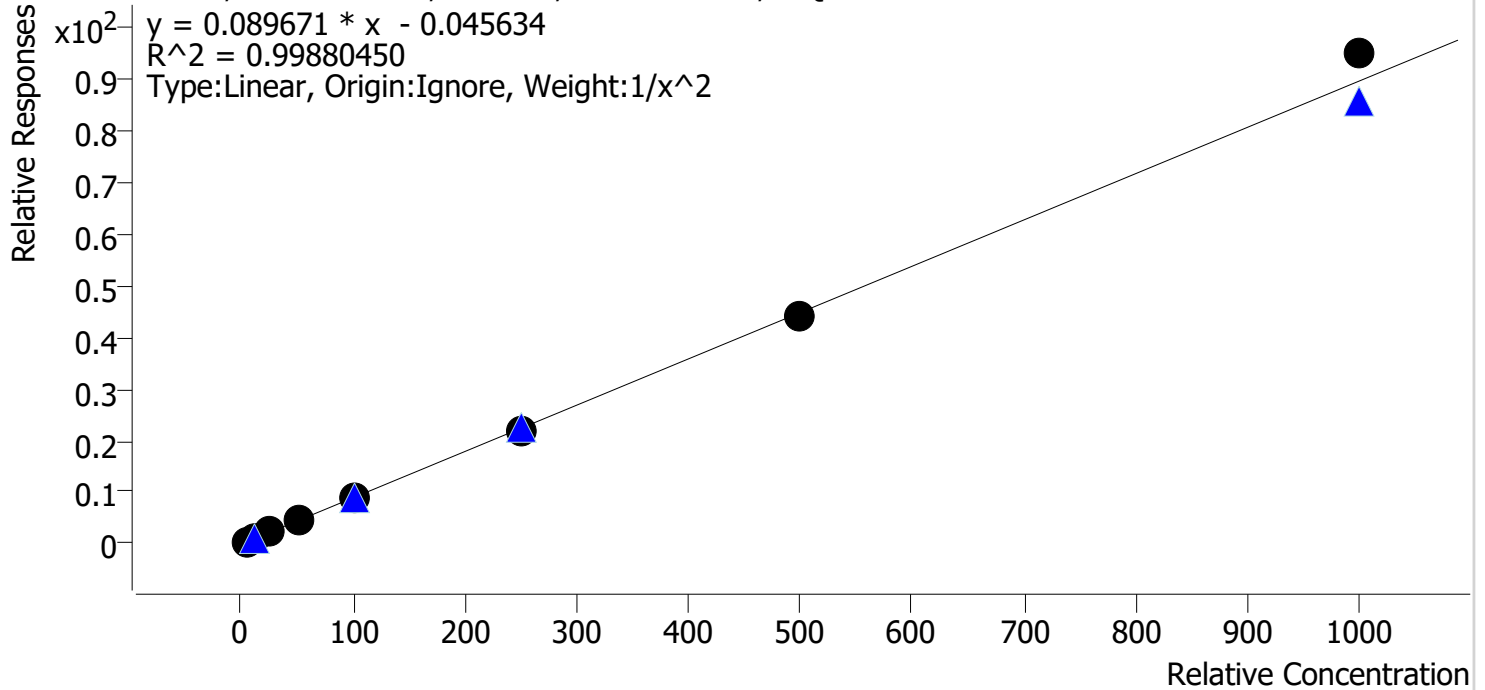
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.4
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	219.0	87.6
cal 7 mdq	7	✗	500.0	372.1	74.4
cal 8 mdq	8	✗	1000.0	644.1	64.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



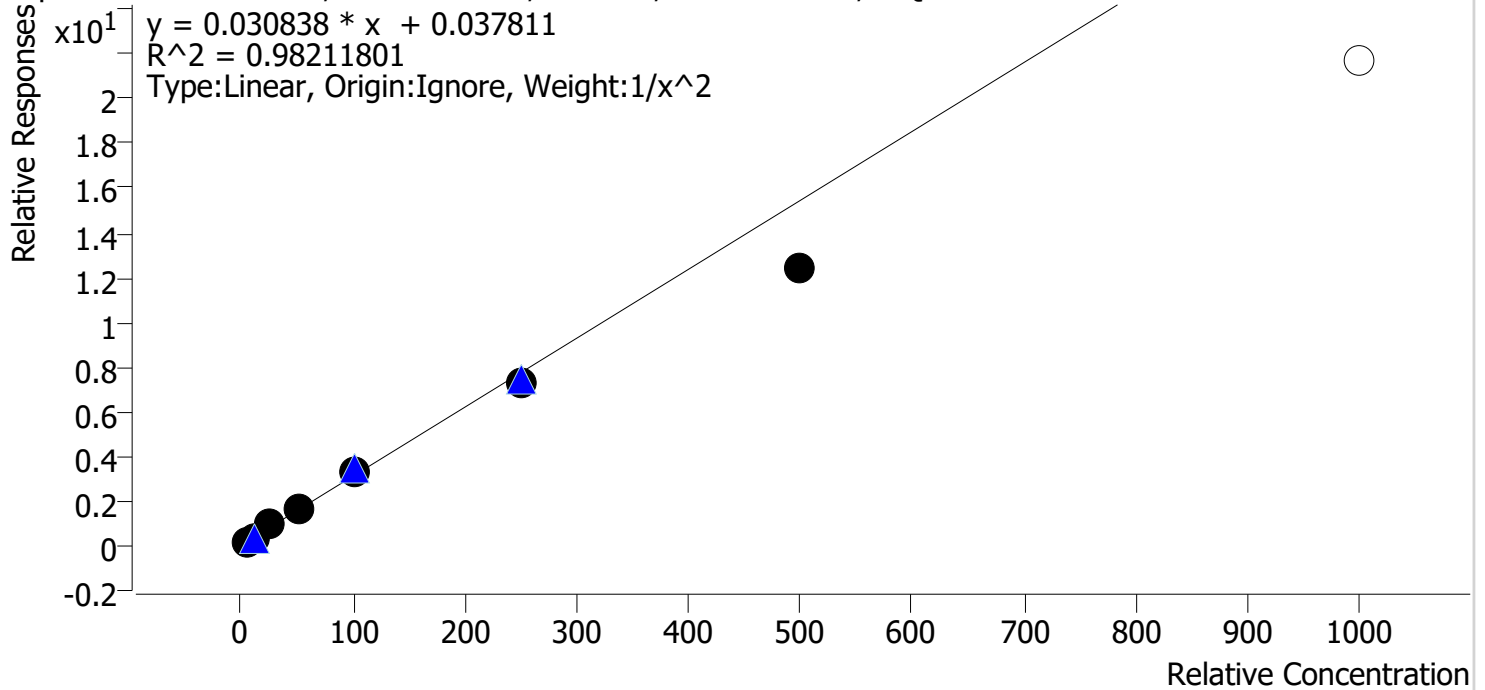
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.3	97.4
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	102.2	102.2
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	489.1	97.8
cal 8 mdq	8	✓	1000.0	1059.3	105.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



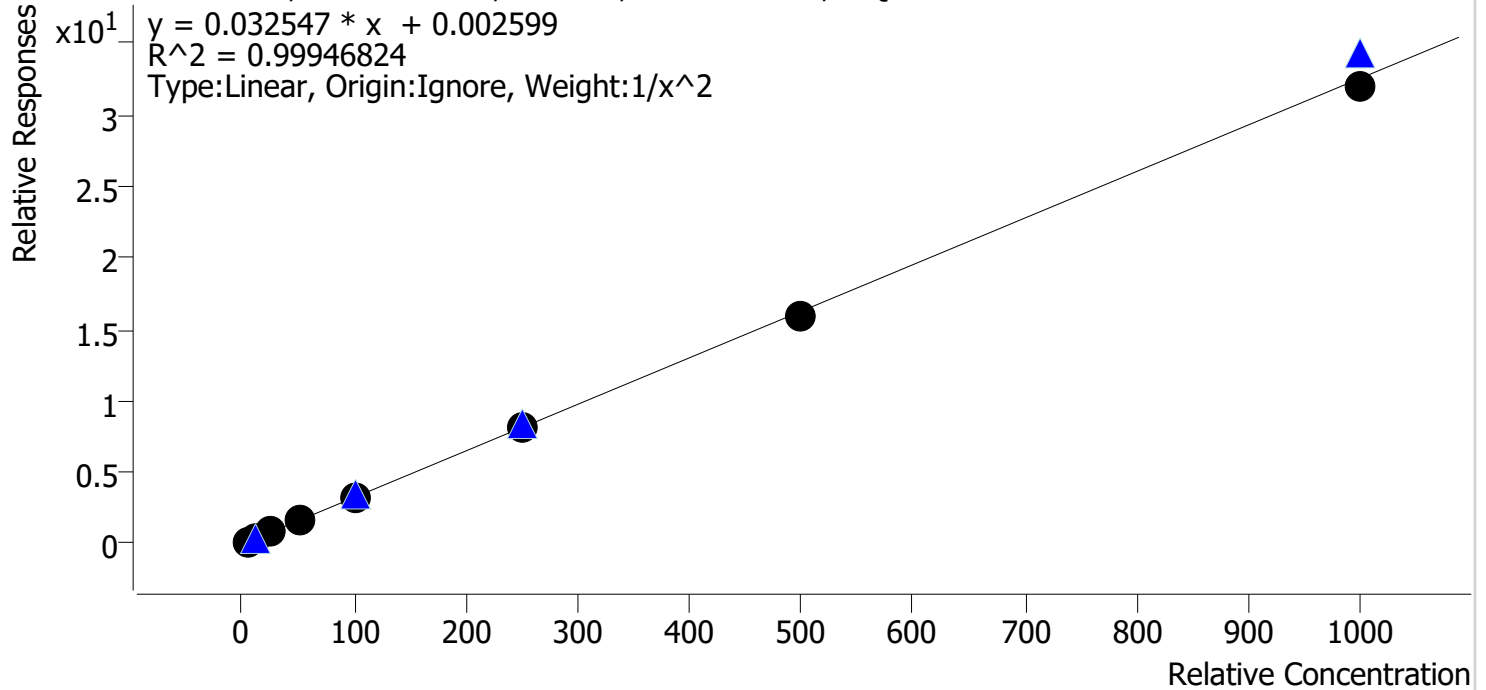
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.9
cal 2 mdq	2	✓	10.0	10.8	107.7
cal 3 mdq	3	✓	25.0	28.2	113.0
cal 4 mdq	4	✓	50.0	54.3	108.5
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	233.9	93.6
cal 7 mdq	7	✓	500.0	403.2	80.6
cal 8 mdq	8	✗	1000.0	702.7	70.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



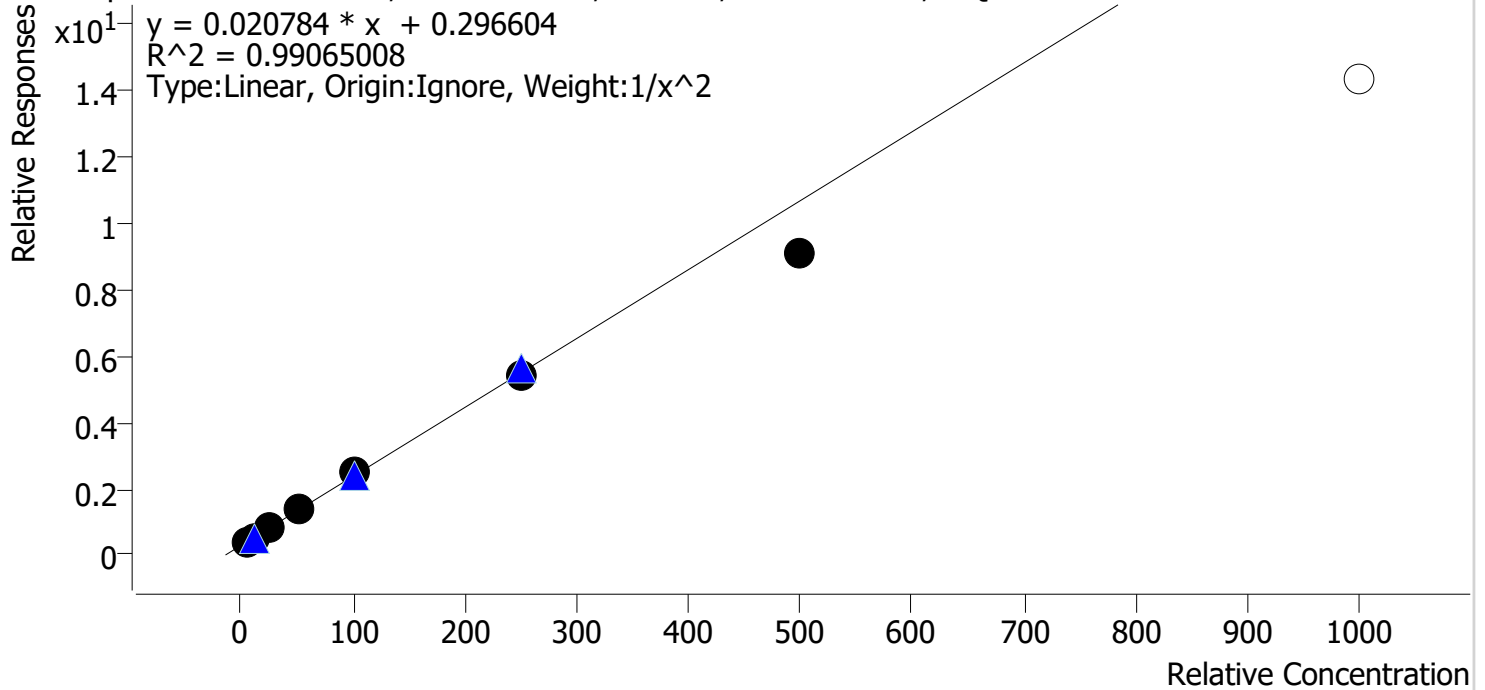
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	24.3	97.4
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	490.2	98.0
cal 8 mdq	8	✓	1000.0	983.1	98.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

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



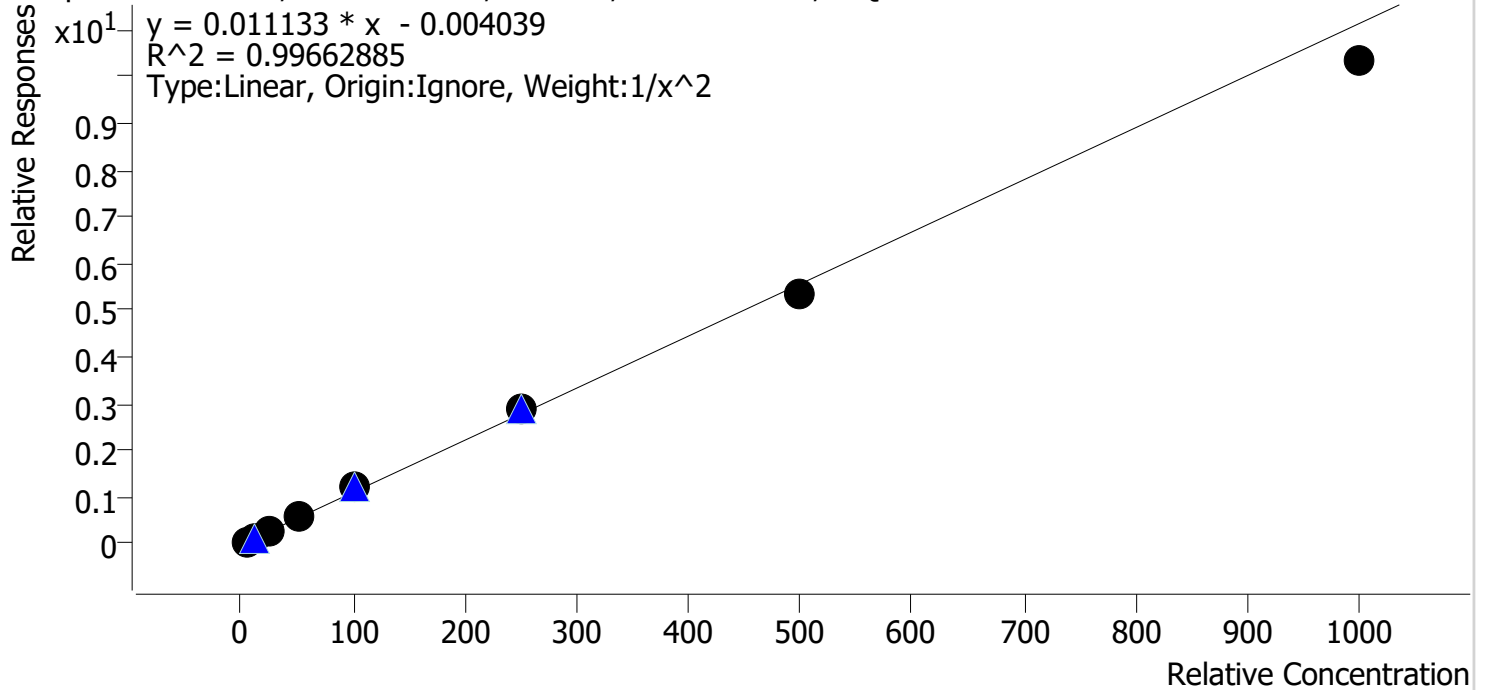
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	26.0	104.1
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	108.3	108.3
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	426.0	85.2
cal 8 mdq	8	✗	1000.0	678.5	67.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	51.9	103.9
cal 5 mdq	5	✓	100.0	108.2	108.2
cal 6 mdq	6	✓	250.0	258.5	103.4
cal 7 mdq	7	✓	500.0	478.4	95.7
cal 8 mdq	8	✓	1000.0	929.5	93.0

Compound Calibration Report

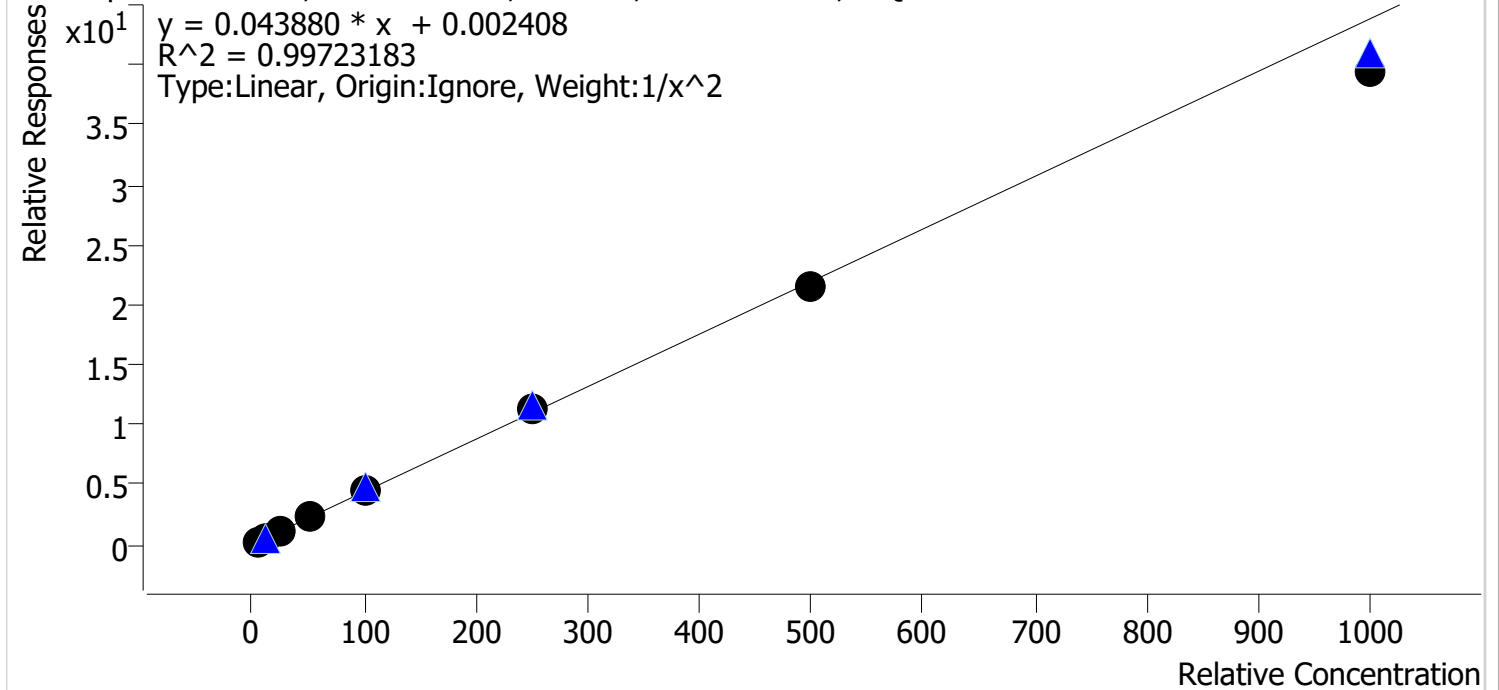


Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Mirtazapine

Internal Standard

Phentermine-D5

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



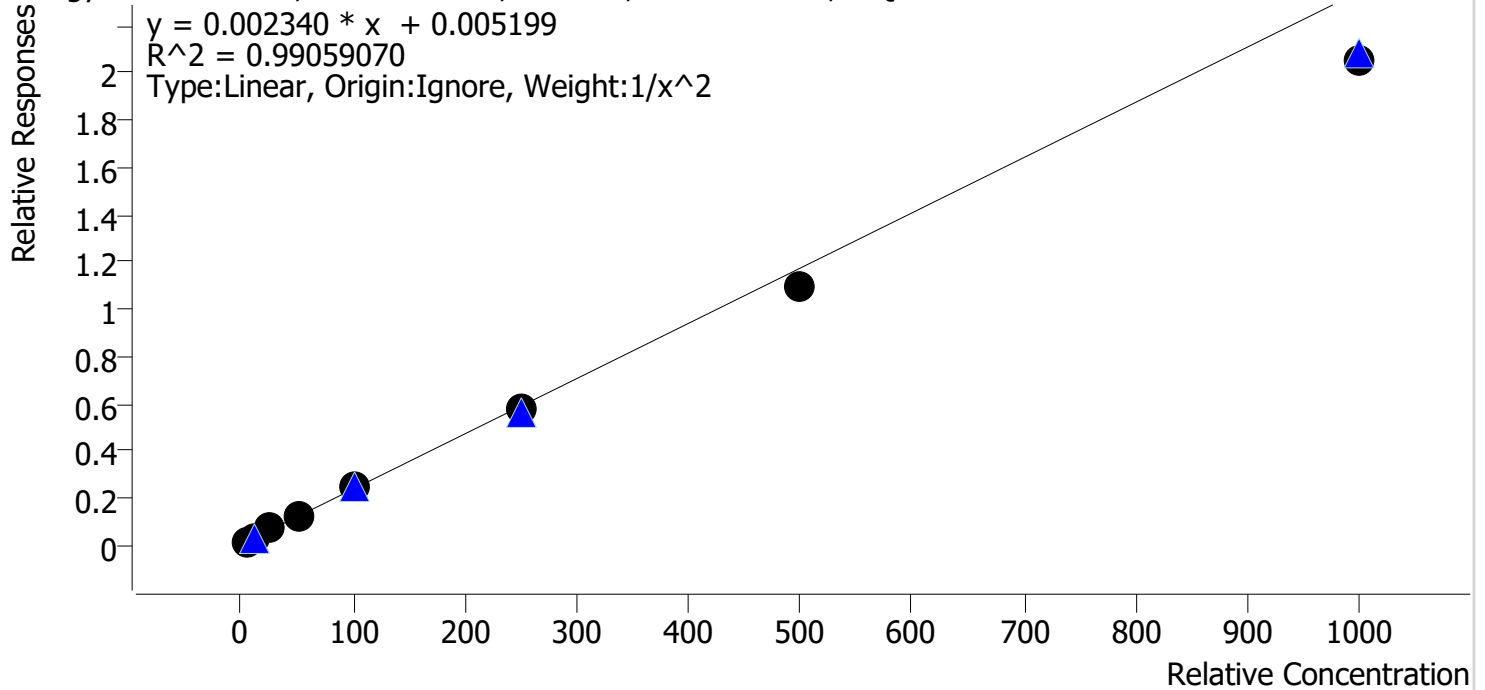
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	258.6	103.4
cal 7 mdq	7	✓	500.0	492.9	98.6
cal 8 mdq	8	✓	1000.0	899.9	90.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Pseudoephedrine-D3

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



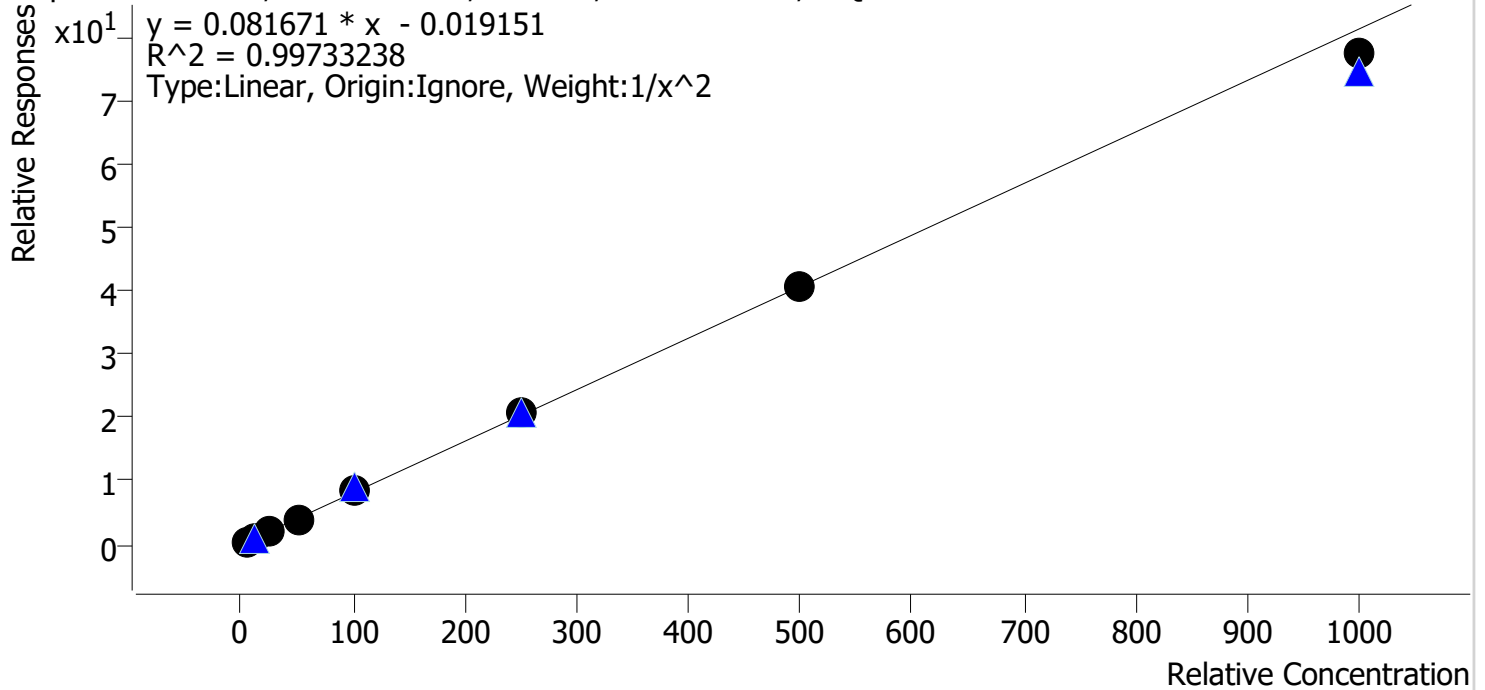
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.6
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	28.6	114.6
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	467.1	93.4
cal 8 mdq	8	✓	1000.0	872.7	87.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



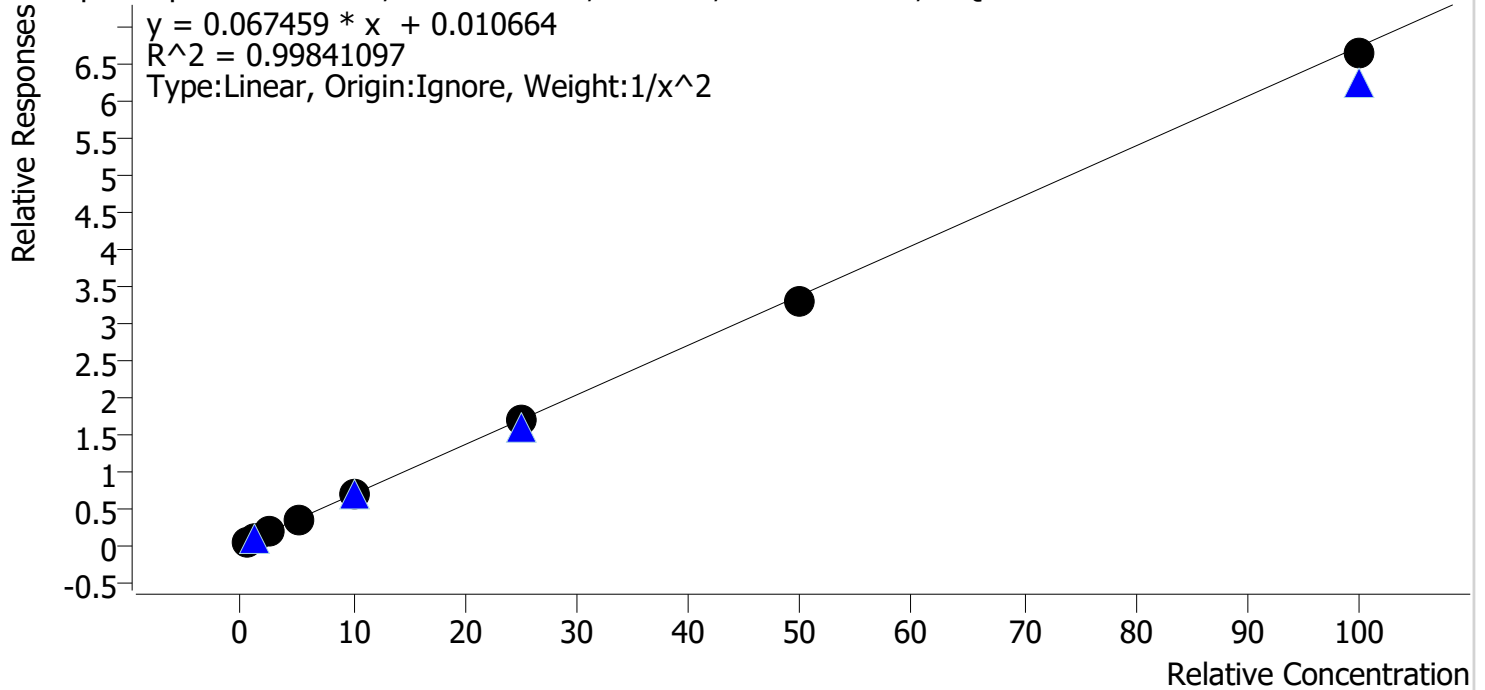
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	46.9	93.8
cal 5 mdq	5	✓	100.0	106.3	106.3
cal 6 mdq	6	✓	250.0	256.8	102.7
cal 7 mdq	7	✓	500.0	496.6	99.3
cal 8 mdq	8	✓	1000.0	952.1	95.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



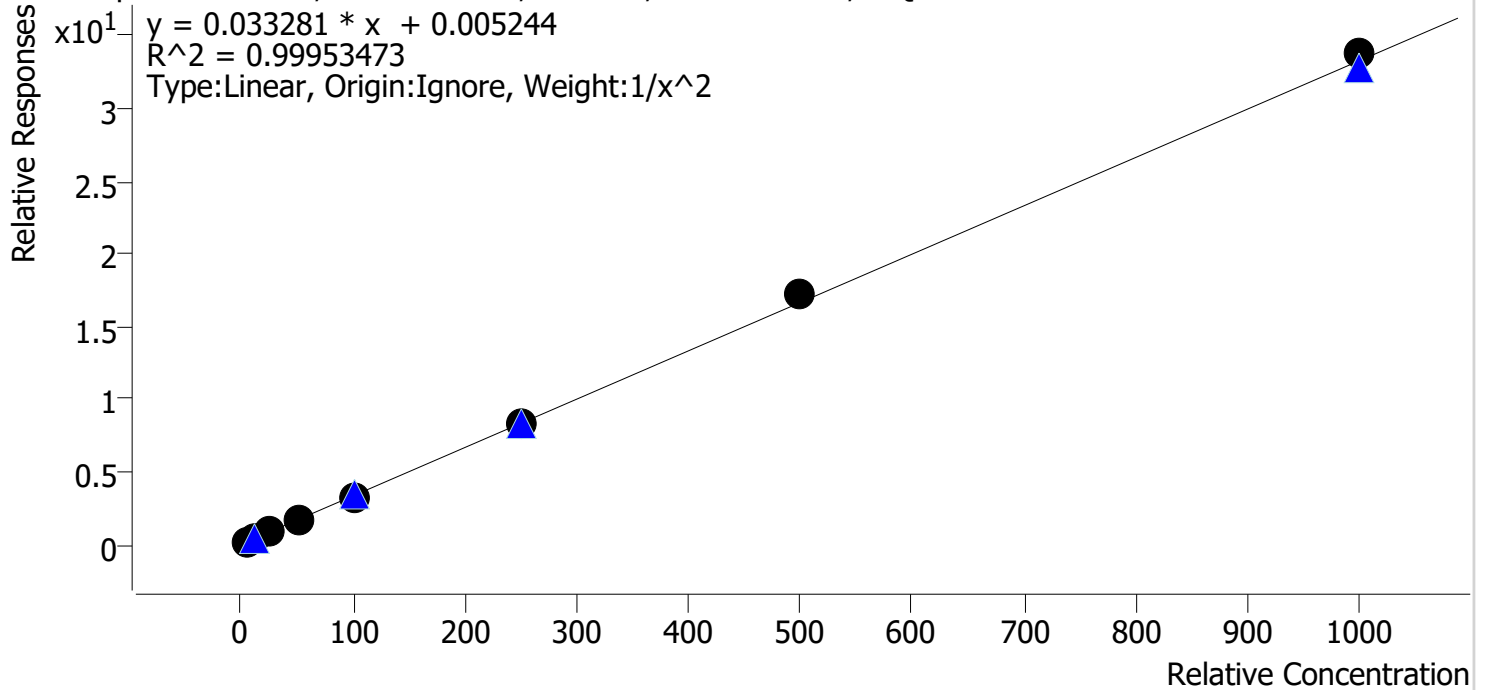
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.6
cal 2 mdq	2	✓	1.0	1.0	100.9
cal 3 mdq	3	✓	2.5	2.7	106.6
cal 4 mdq	4	✓	5.0	4.8	95.6
cal 5 mdq	5	✓	10.0	10.3	102.9
cal 6 mdq	6	✓	25.0	24.9	99.7
cal 7 mdq	7	✓	50.0	48.6	97.2
cal 8 mdq	8	✓	100.0	98.6	98.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



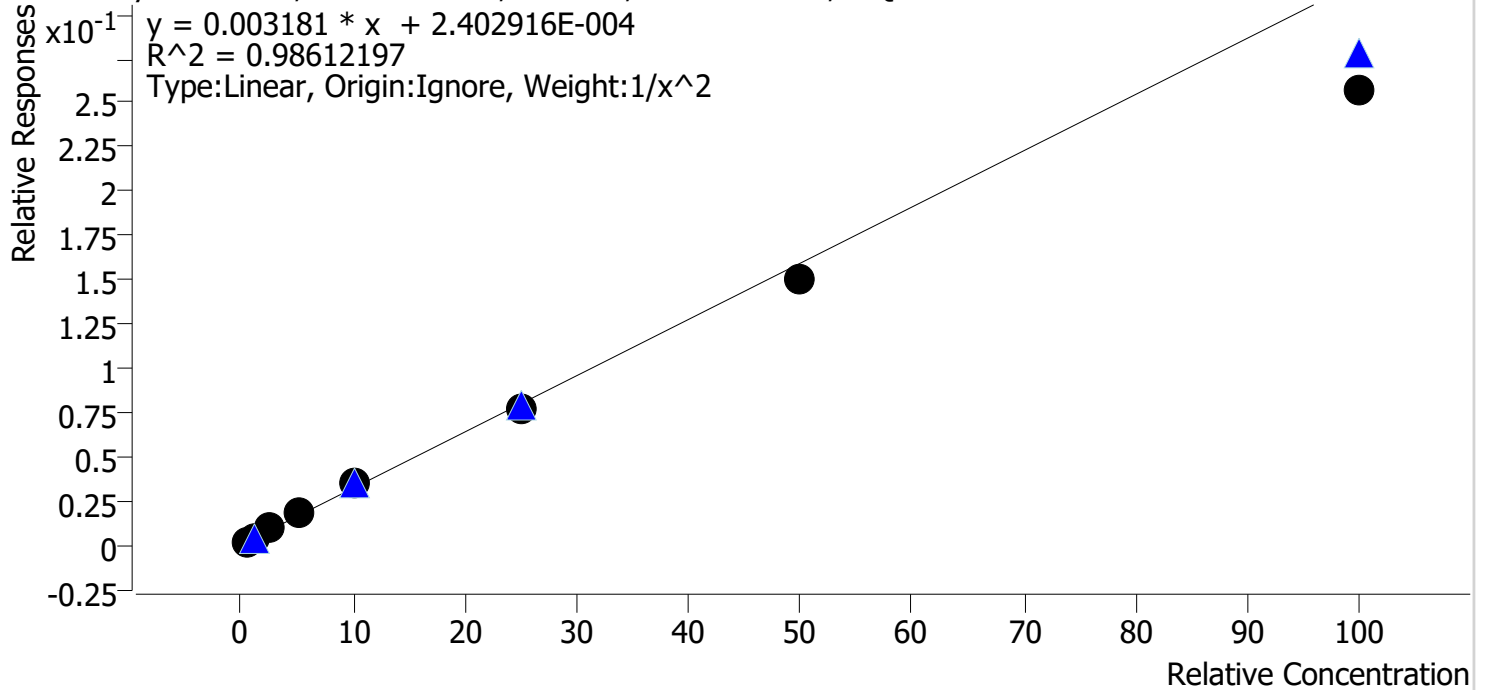
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.3	97.0
cal 4 mdq	4	✓	50.0	49.4	98.7
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	248.7	99.5
cal 7 mdq	7	✓	500.0	514.6	102.9
cal 8 mdq	8	✓	1000.0	1015.0	101.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



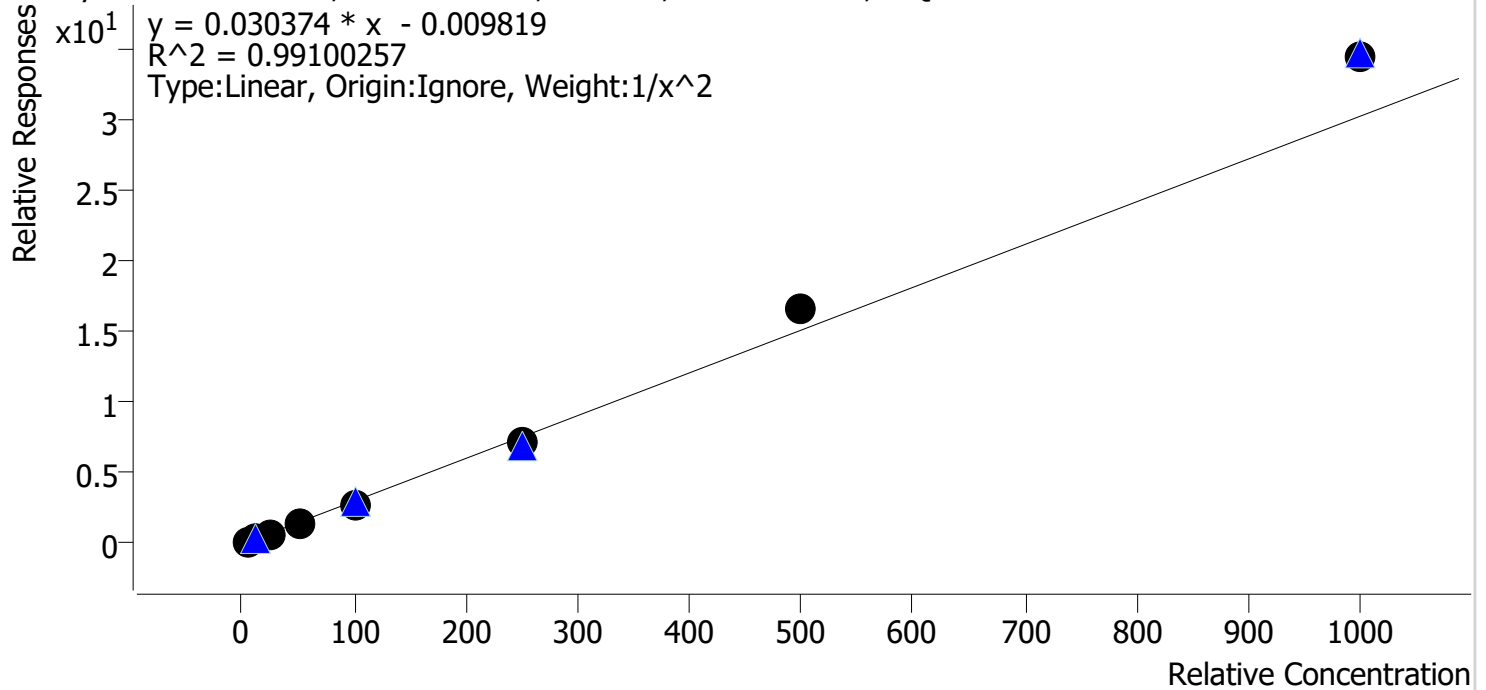
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	95.7
cal 2 mdq	2	✓	1.0	1.0	102.7
cal 3 mdq	3	✓	2.5	2.7	107.3
cal 4 mdq	4	✓	5.0	5.6	112.0
cal 5 mdq	5	✓	10.0	11.0	110.4
cal 6 mdq	6	✓	25.0	24.2	96.9
cal 7 mdq	7	✓	50.0	47.0	94.1
cal 8 mdq	8	✓	100.0	80.9	80.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

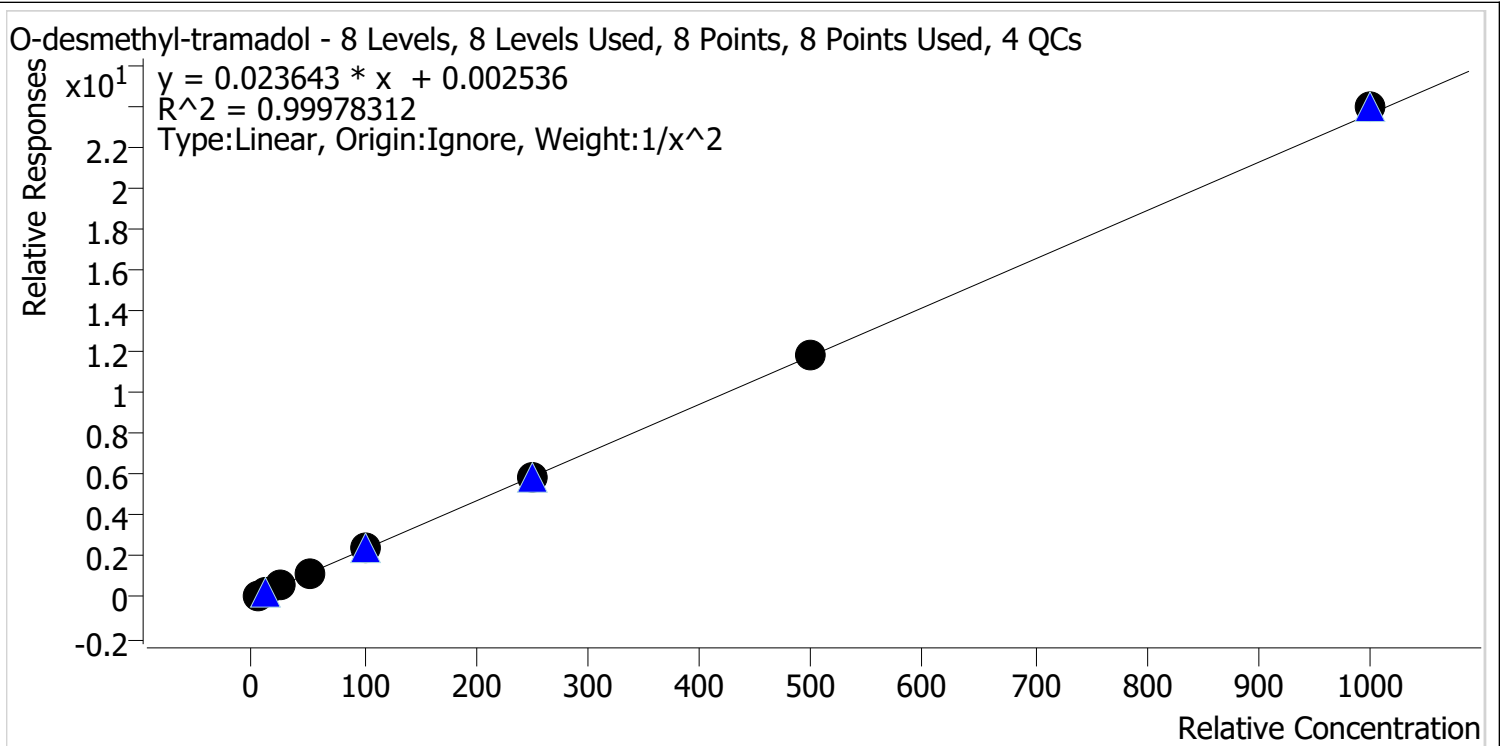


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	23.7	94.7
cal 4 mdq	4	✓	50.0	47.1	94.2
cal 5 mdq	5	✓	100.0	92.2	92.2
cal 6 mdq	6	✓	250.0	234.7	93.9
cal 7 mdq	7	✓	500.0	549.8	110.0
cal 8 mdq	8	✓	1000.0	1142.7	114.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



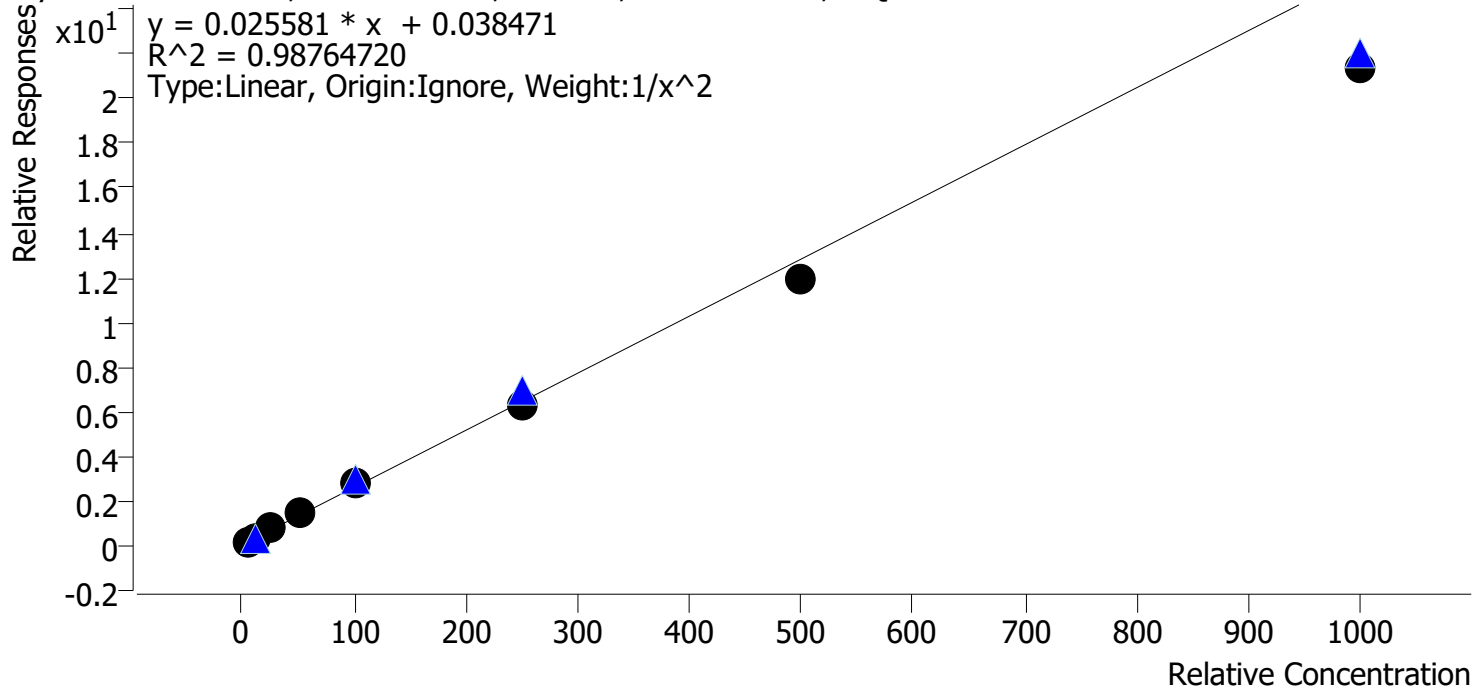
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	245.6	98.2
cal 7 mdq	7	✓	500.0	499.8	100.0
cal 8 mdq	8	✓	1000.0	1014.0	101.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



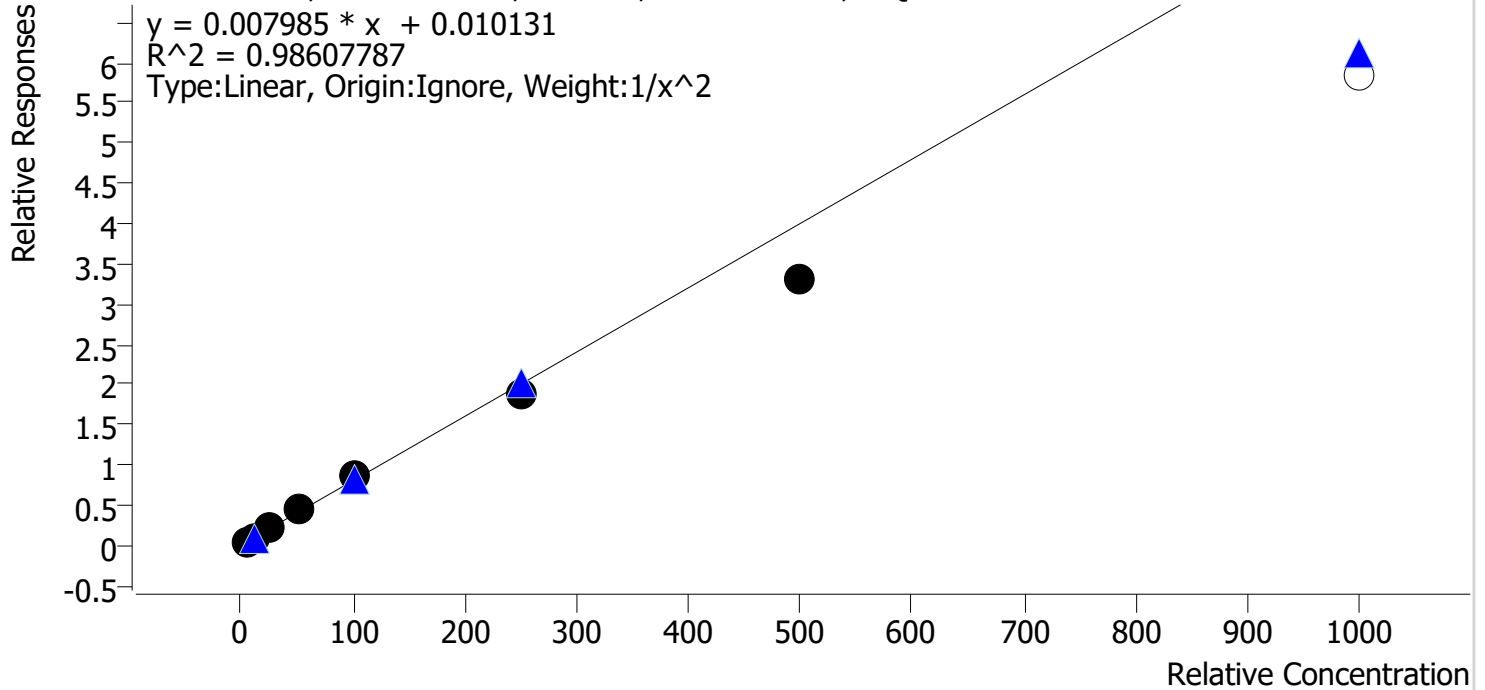
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.6	105.9
cal 3 mdq	3	✓	25.0	27.5	110.0
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	107.4	107.4
cal 6 mdq	6	✓	250.0	242.9	97.1
cal 7 mdq	7	✓	500.0	462.3	92.5
cal 8 mdq	8	✓	1000.0	834.6	83.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



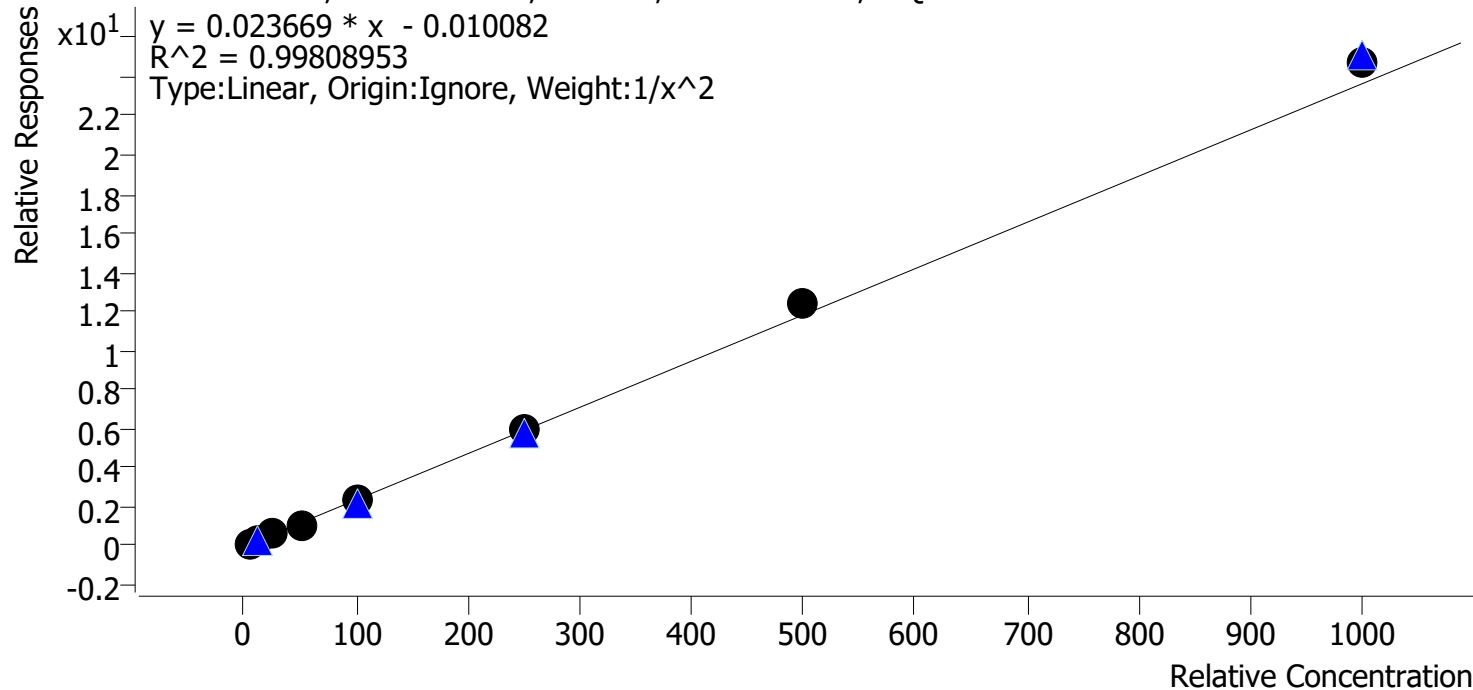
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	28.0	111.8
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	233.7	93.5
cal 7 mdq	7	✓	500.0	413.8	82.8
cal 8 mdq	8	✗	1000.0	729.3	72.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



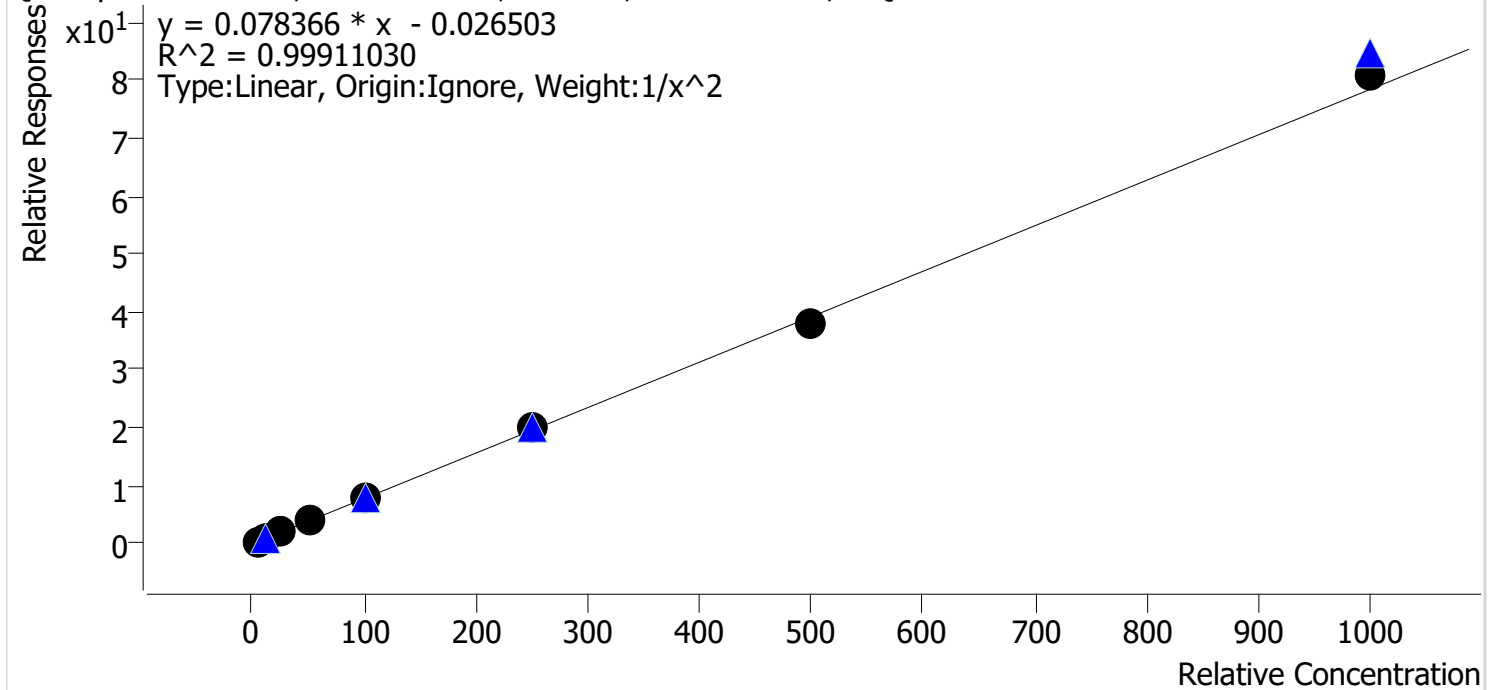
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.7	96.5
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	47.8	95.5
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	253.4	101.4
cal 7 mdq	7	✓	500.0	522.4	104.5
cal 8 mdq	8	✓	1000.0	1046.5	104.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



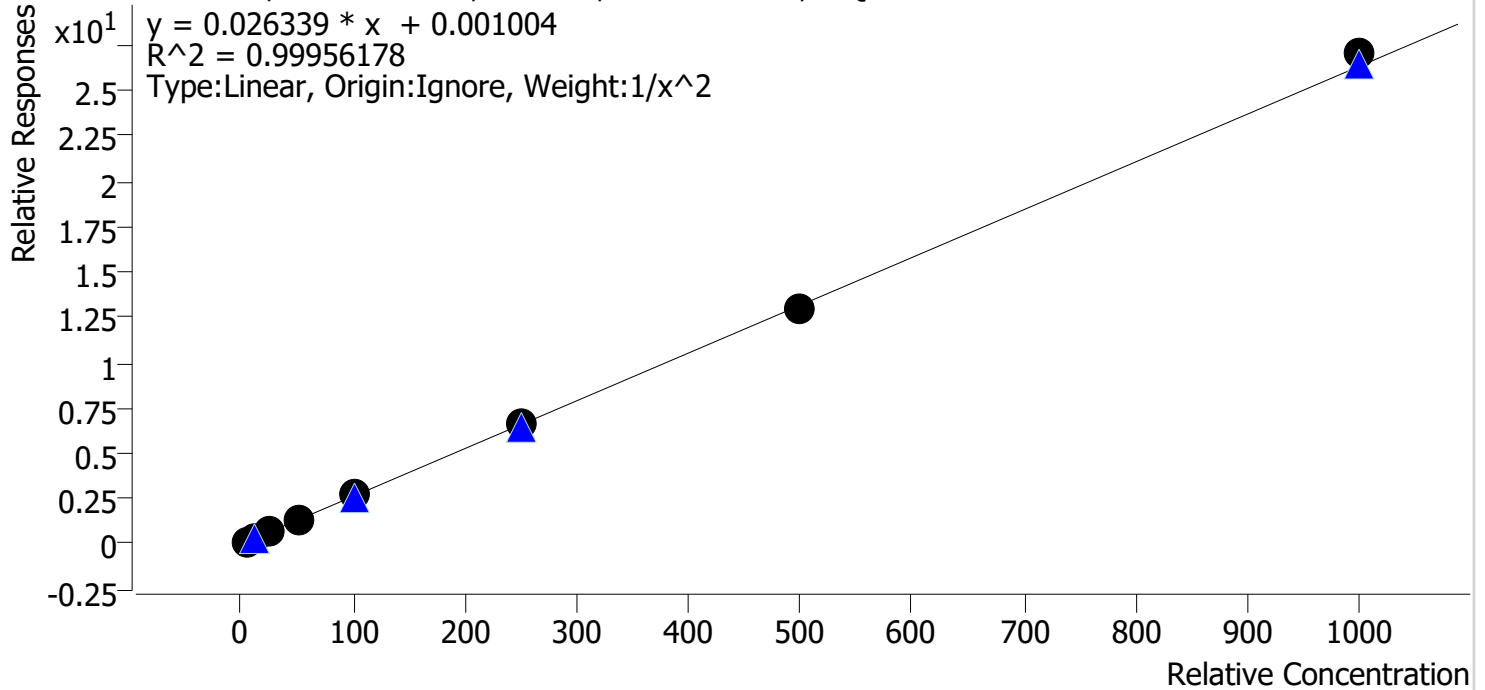
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	49.1	98.3
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	257.4	102.9
cal 7 mdq	7	✓	500.0	487.2	97.4
cal 8 mdq	8	✓	1000.0	1034.7	103.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



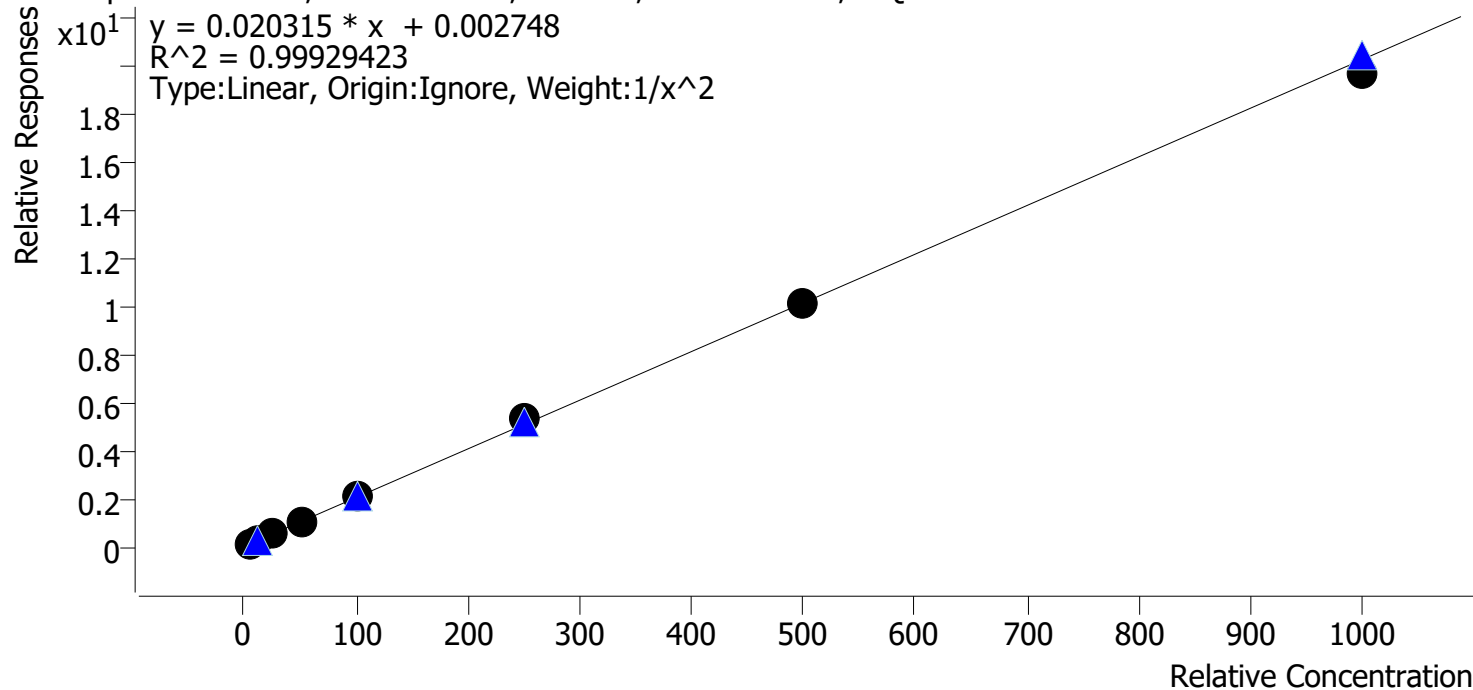
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	252.6	101.1
cal 7 mdq	7	✓	500.0	493.8	98.8
cal 8 mdq	8	✓	1000.0	1026.7	102.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



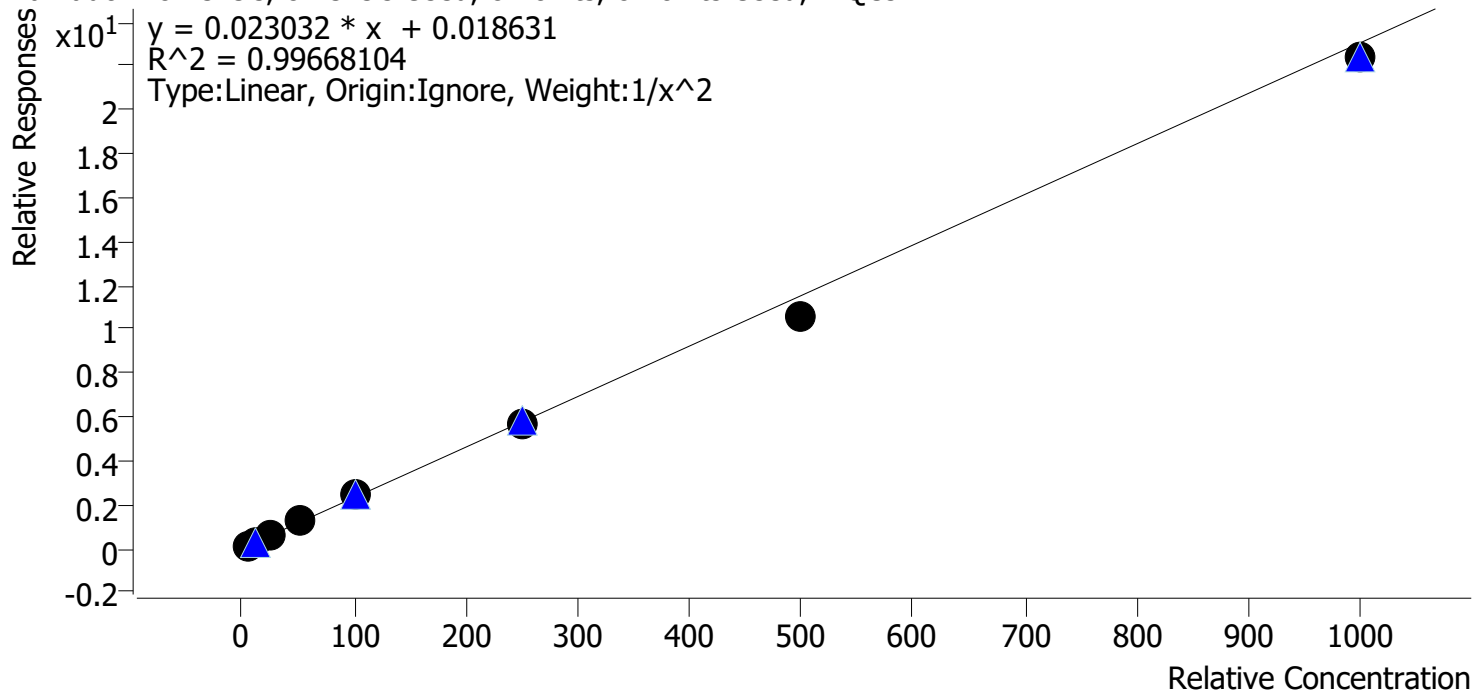
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	259.5	103.8
cal 7 mdq	7	✓	500.0	498.1	99.6
cal 8 mdq	8	✓	1000.0	971.3	97.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	26.0	103.8
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdq	6	✓	250.0	243.7	97.5
cal 7 mdq	7	✓	500.0	458.2	91.6
cal 8 mdq	8	✓	1000.0	970.9	97.1

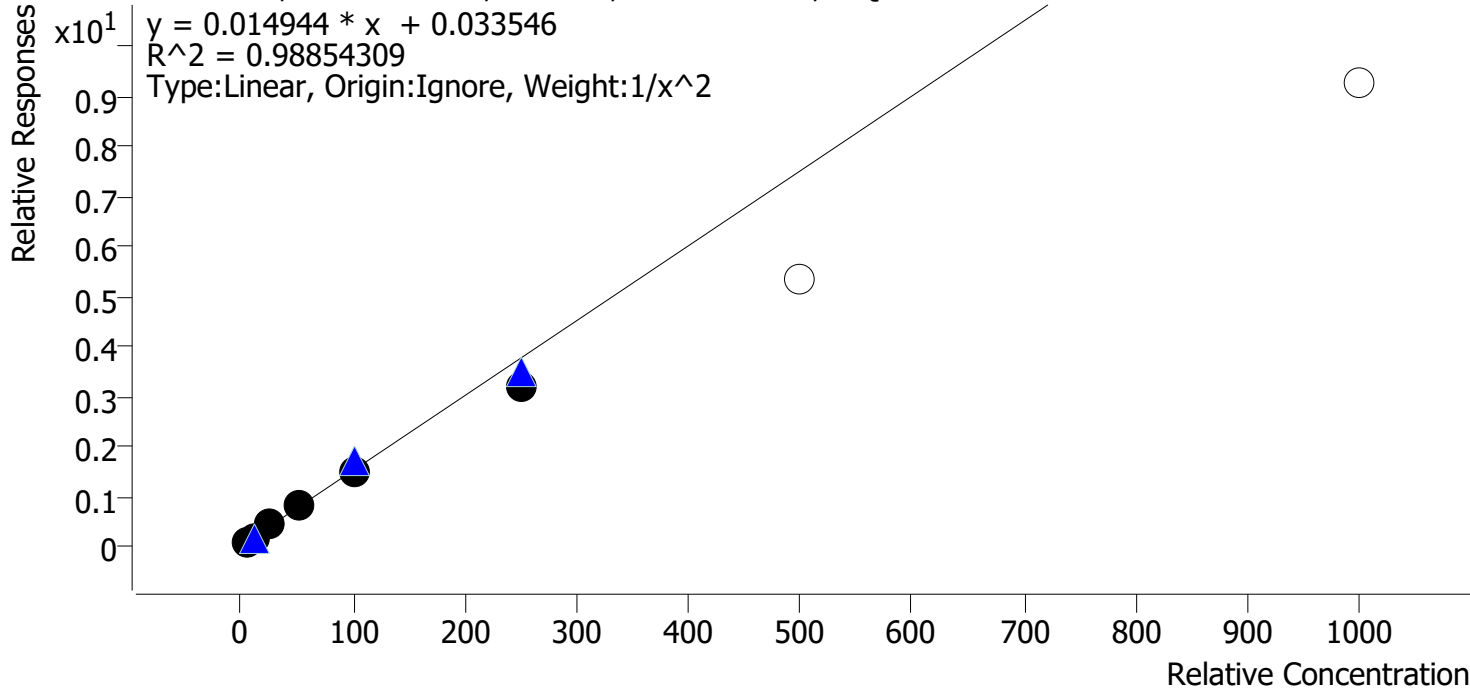
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Trazodone

Internal Standard Trazodone-D6

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



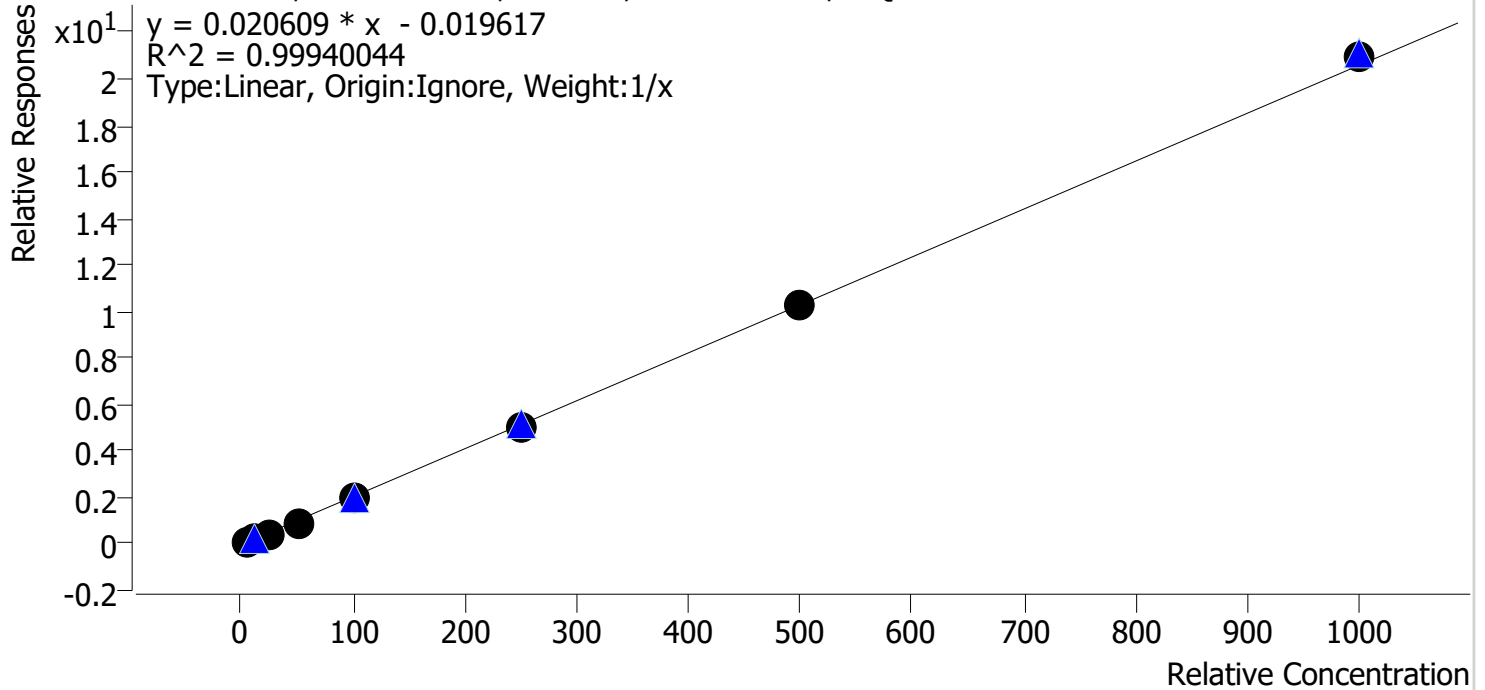
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	26.9	107.5
cal 4 mdq	4	✓	50.0	54.0	108.1
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	211.6	84.6
cal 7 mdq	7	✗	500.0	353.8	70.8
cal 8 mdq	8	✗	1000.0	617.6	61.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



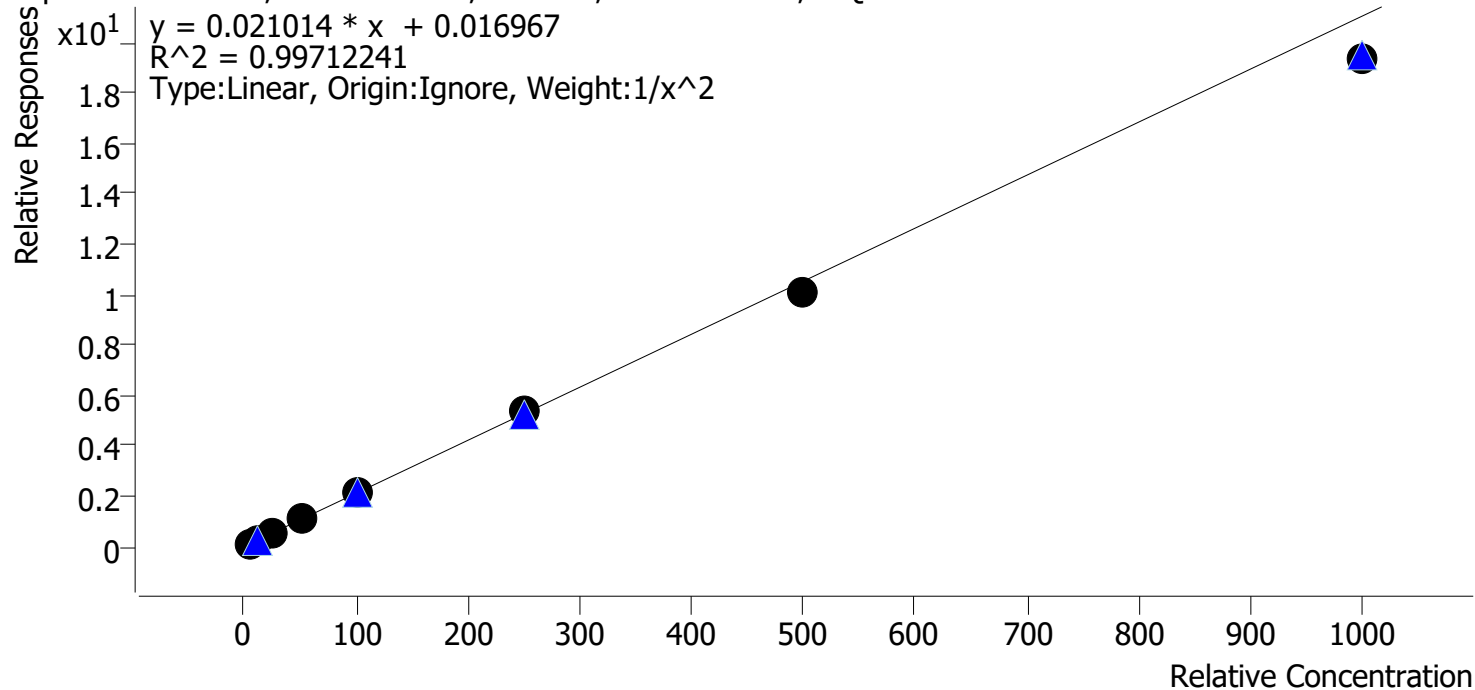
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	115.2
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	23.7	94.6
cal 4 mdq	4	✓	50.0	46.4	92.8
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	241.8	96.7
cal 7 mdq	7	✓	500.0	499.3	99.9
cal 8 mdq	8	✓	1000.0	1015.9	101.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



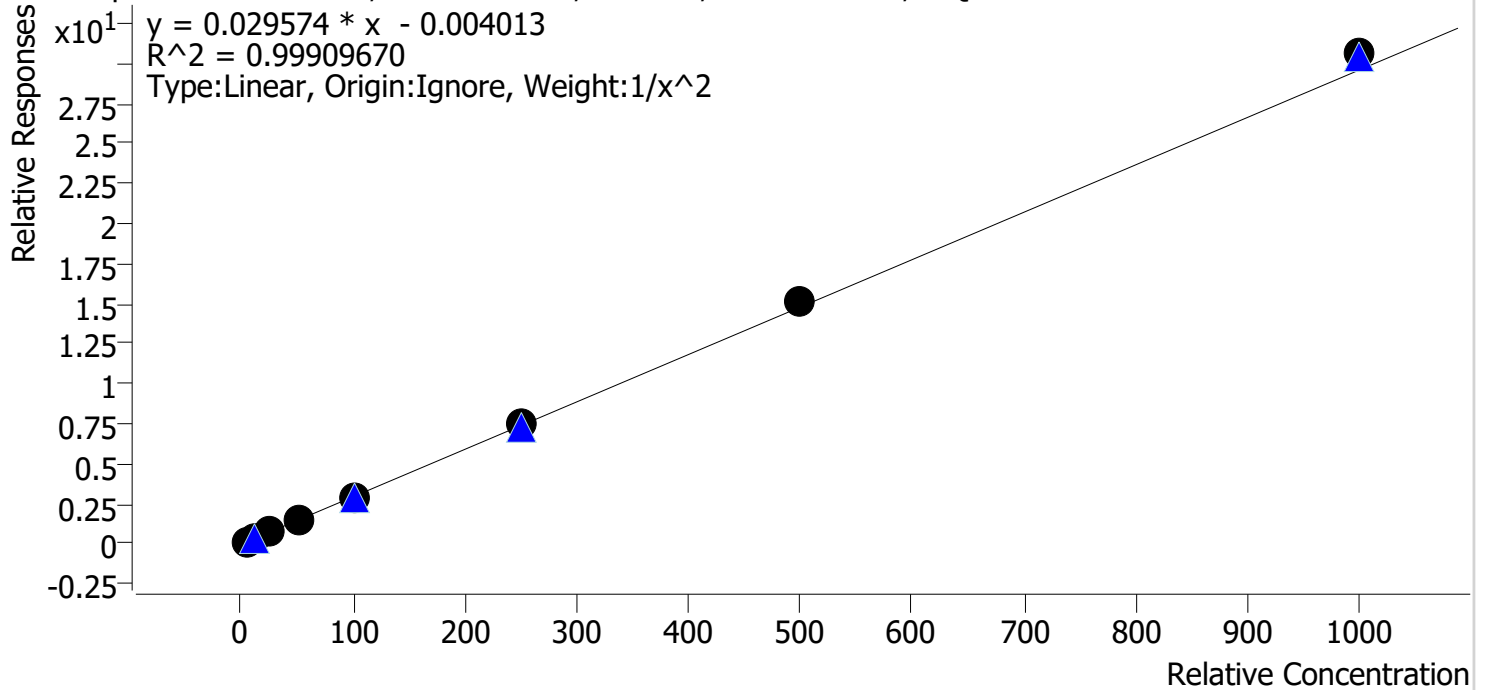
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.5
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	26.6	106.6
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	256.1	102.5
cal 7 mdq	7	✓	500.0	479.7	95.9
cal 8 mdq	8	✓	1000.0	917.2	91.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



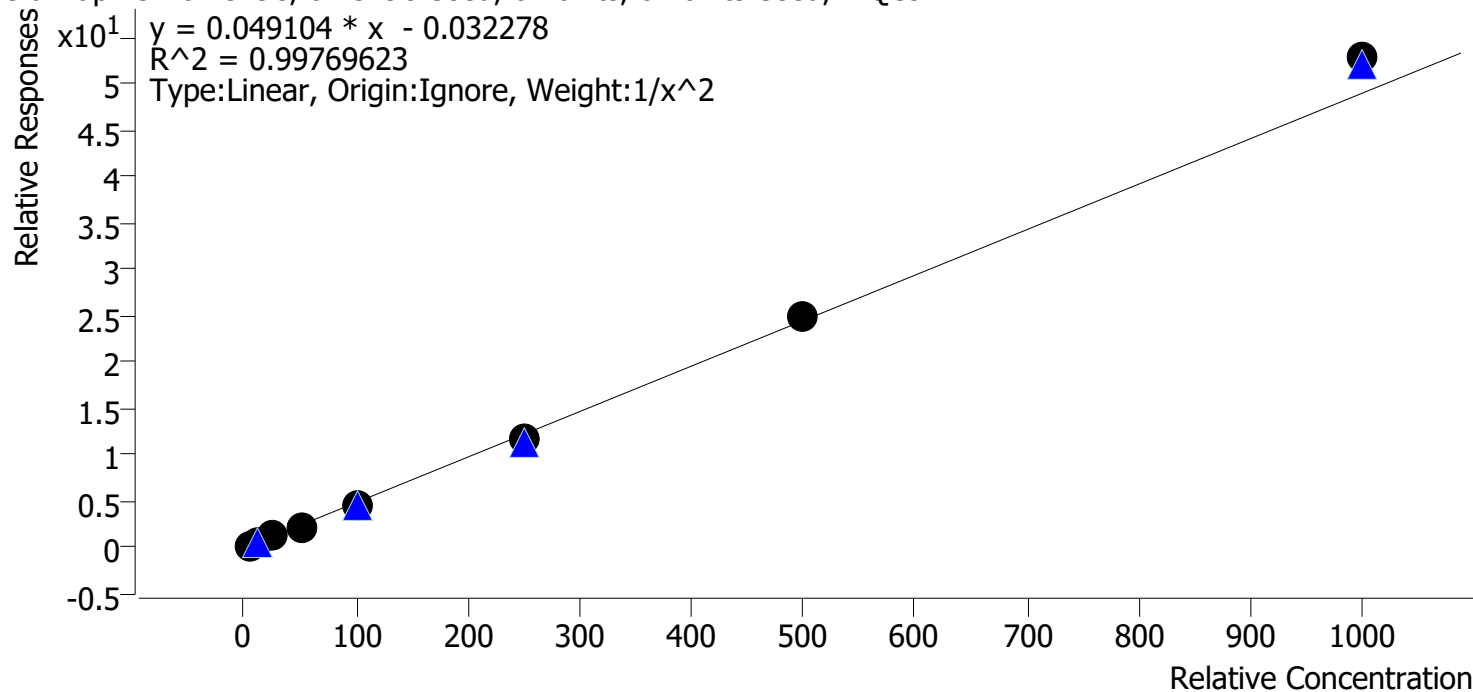
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	511.9	102.4
cal 8 mdq	8	✓	1000.0	1034.7	103.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-d8

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



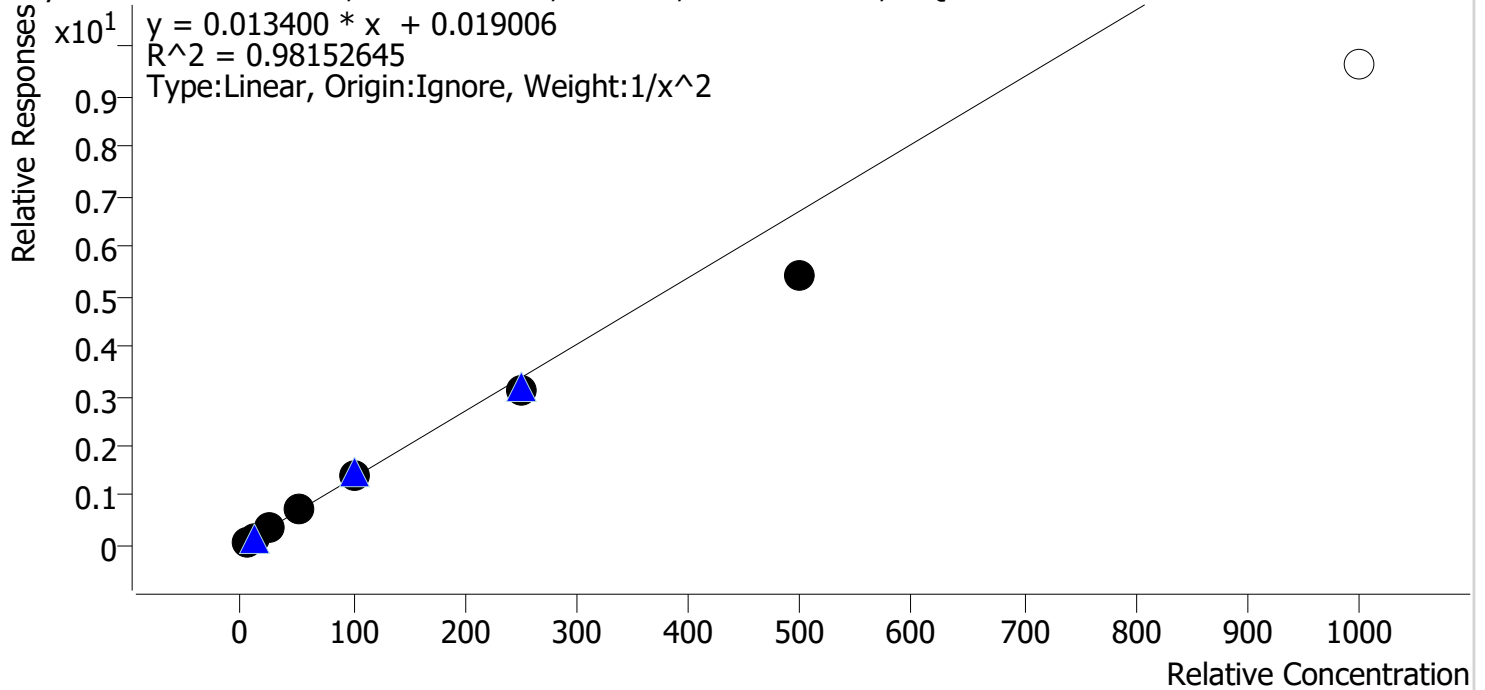
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	47.6	95.3
cal 5 mdq	5	✓	100.0	95.1	95.1
cal 6 mdq	6	✓	250.0	243.9	97.6
cal 7 mdq	7	✓	500.0	512.6	102.5
cal 8 mdq	8	✓	1000.0	1078.3	107.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



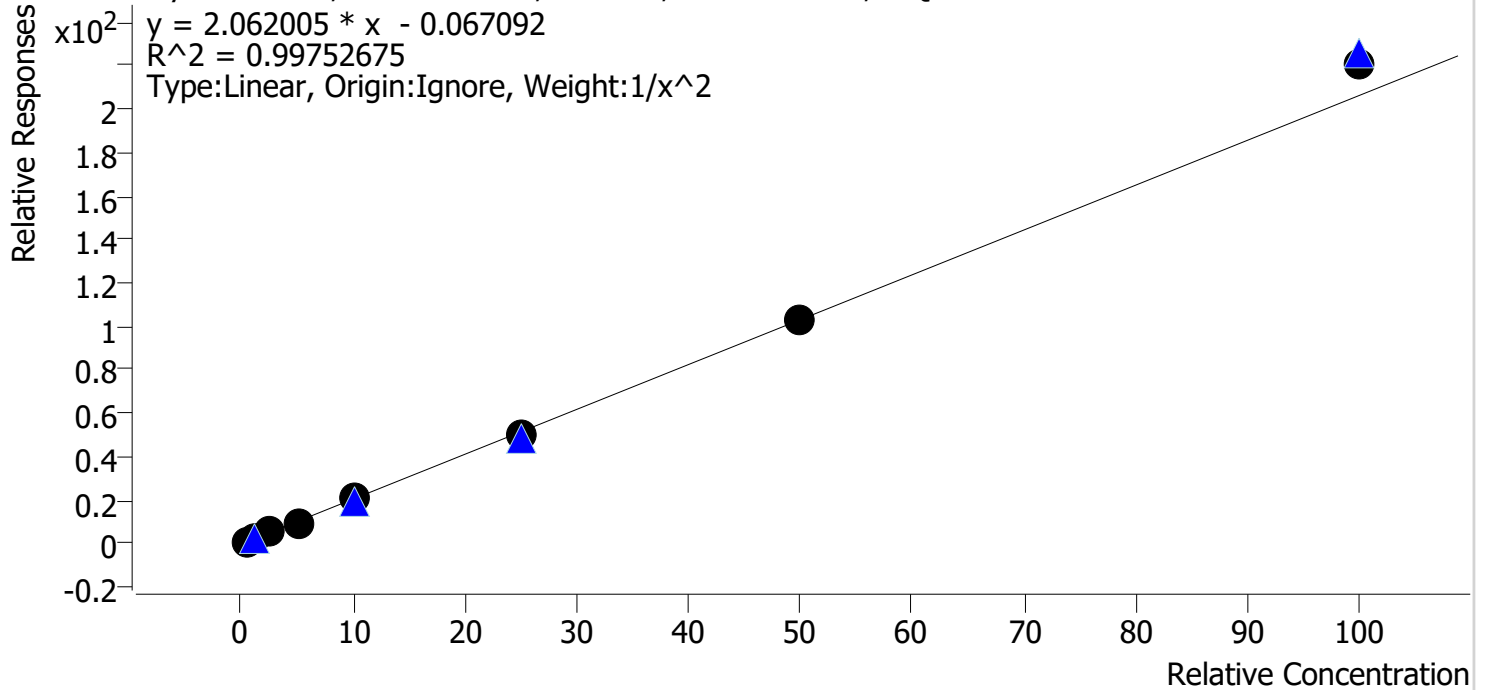
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.5	105.2
cal 3 mdq	3	✓	25.0	28.3	113.2
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	105.6	105.6
cal 6 mdq	6	✓	250.0	228.9	91.6
cal 7 mdq	7	✓	500.0	403.9	80.8
cal 8 mdq	8	✗	1000.0	719.3	71.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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



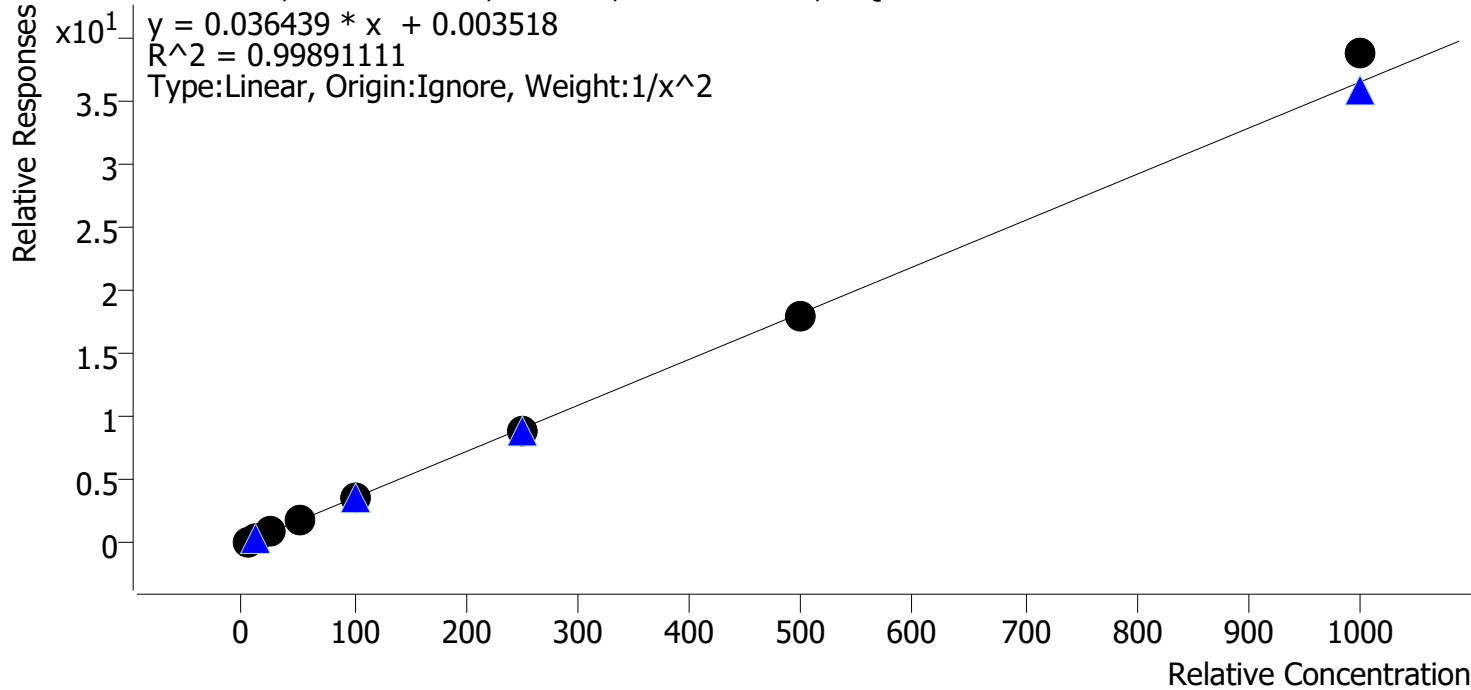
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.3
cal 2 mdq	2	✓	1.0	1.1	105.1
cal 3 mdq	3	✓	2.5	2.5	99.1
cal 4 mdq	4	✓	5.0	4.7	93.5
cal 5 mdq	5	✓	10.0	10.0	99.8
cal 6 mdq	6	✓	25.0	24.3	97.3
cal 7 mdq	7	✓	50.0	49.9	99.7
cal 8 mdq	8	✓	100.0	107.1	107.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-d3

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



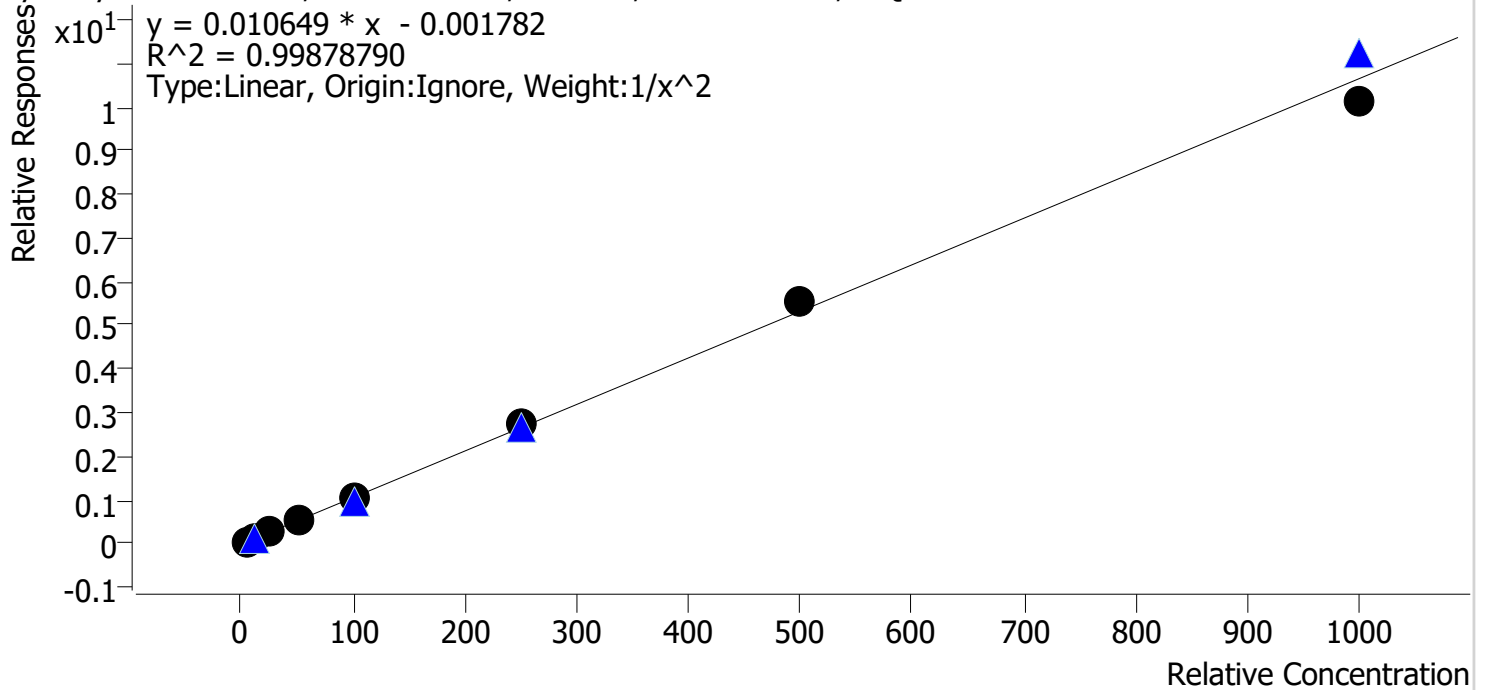
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	49.0	98.1
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	243.7	97.5
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	1061.5	106.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Pseudoephedrine-D3

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



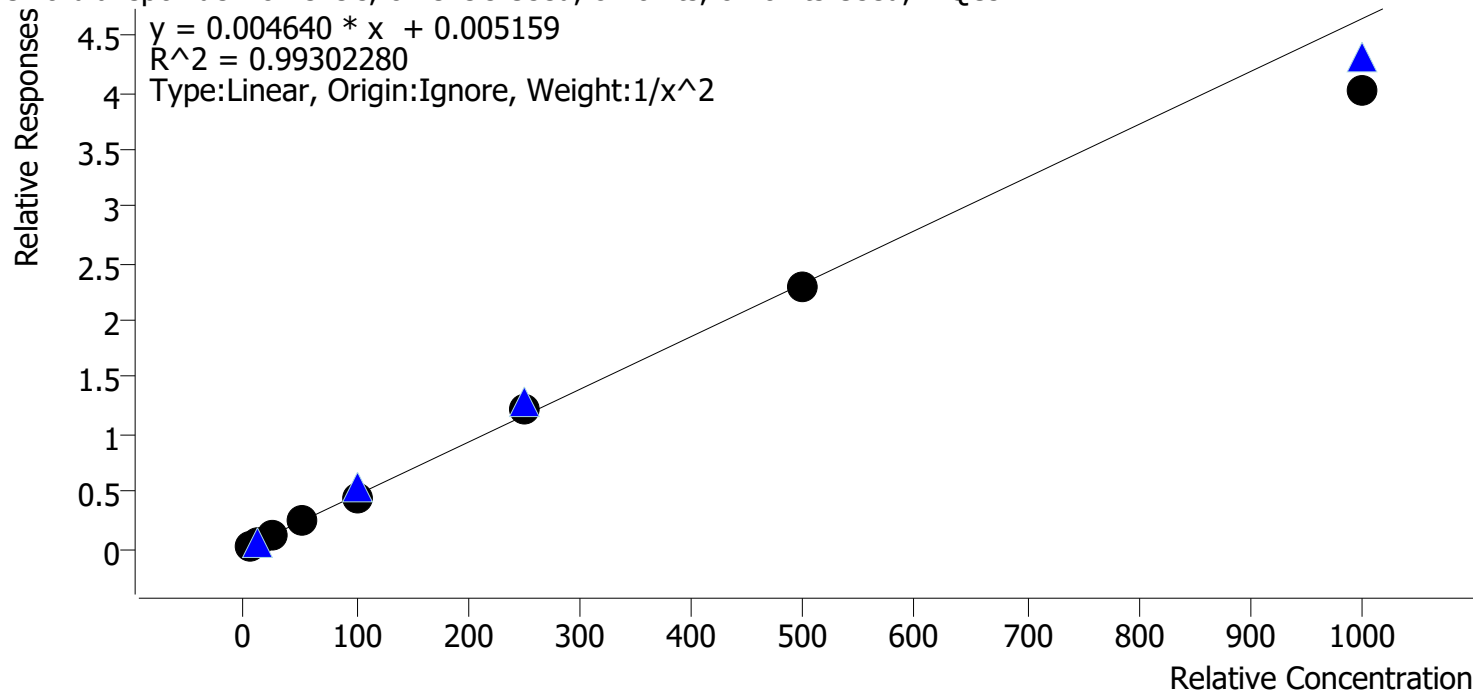
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	48.2	96.5
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	259.7	103.9
cal 7 mdq	7	✓	500.0	518.3	103.7
cal 8 mdq	8	✓	1000.0	954.1	95.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Chlordiazepoxide **Internal Standard** Chlordiazepoxide-d5

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



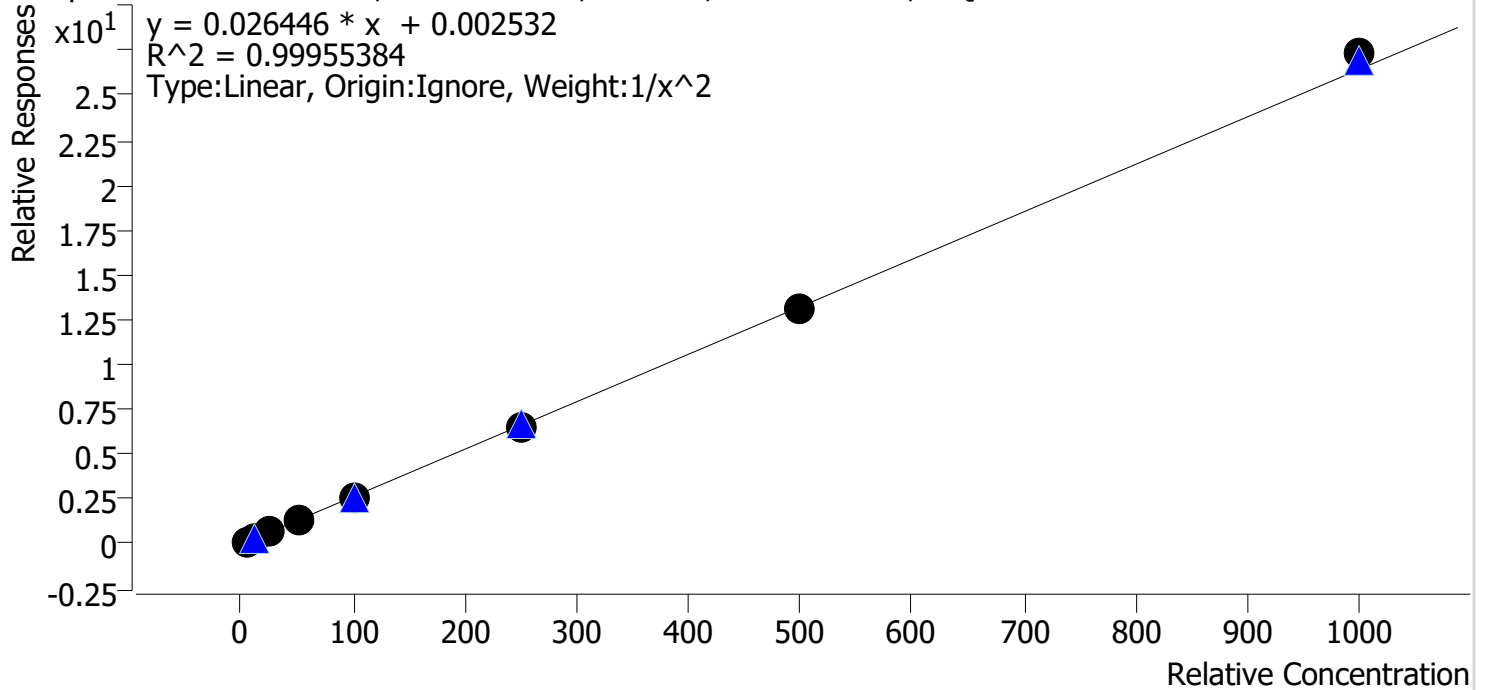
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.3	102.9
cal 3 mdq	3	✓	25.0	26.8	107.3
cal 4 mdq	4	✓	50.0	54.2	108.3
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	260.7	104.3
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	861.2	86.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte Chlorpheniramine **Internal Standard** Chlorpheniramine-d6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	25.4	101.8
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	1033.3	103.3

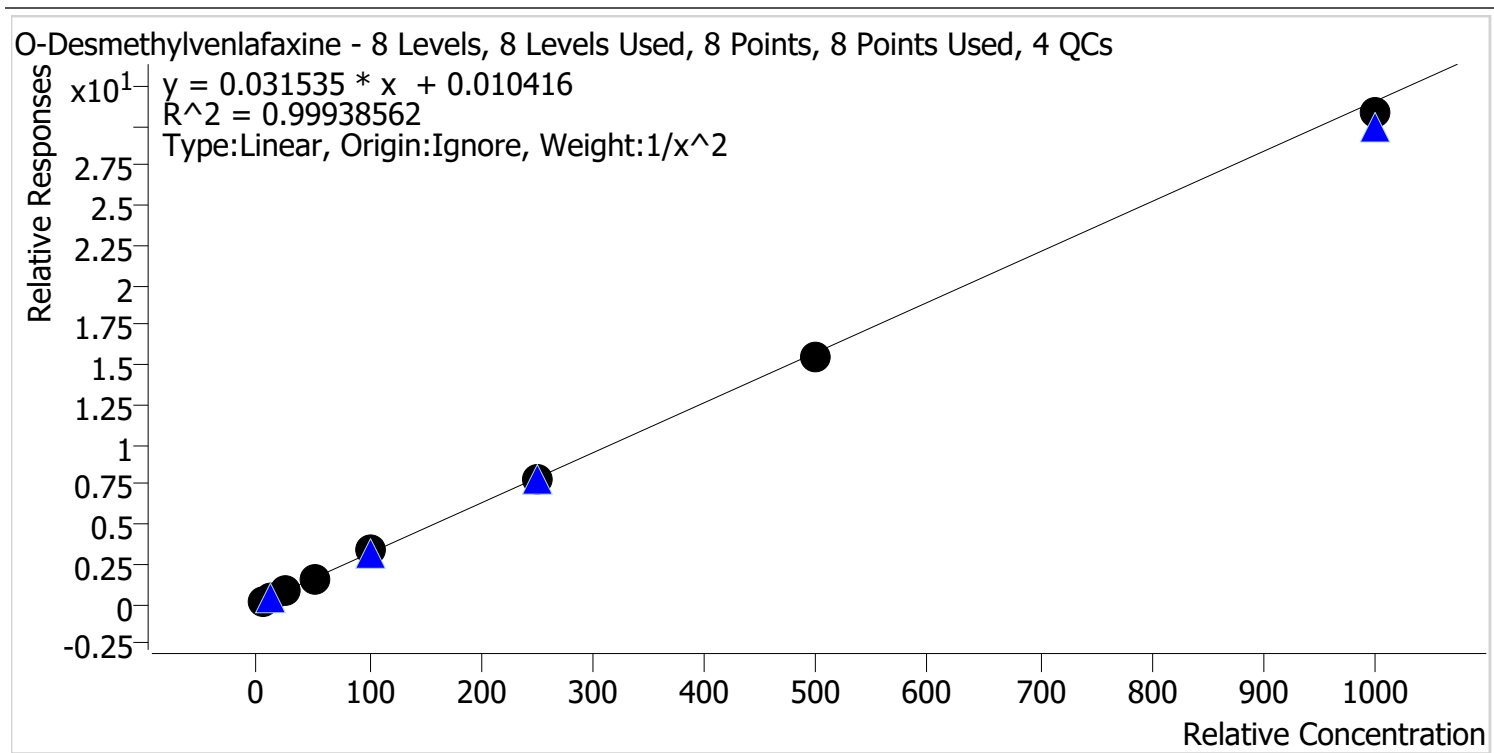
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Last Cal. Update 6/13/2023 11:23 AM
Analyst Name ISP\datastor
Analyte O-Desmethylvenlafaxine

Internal Standard

O-Desmethylvenlafaxine-d6



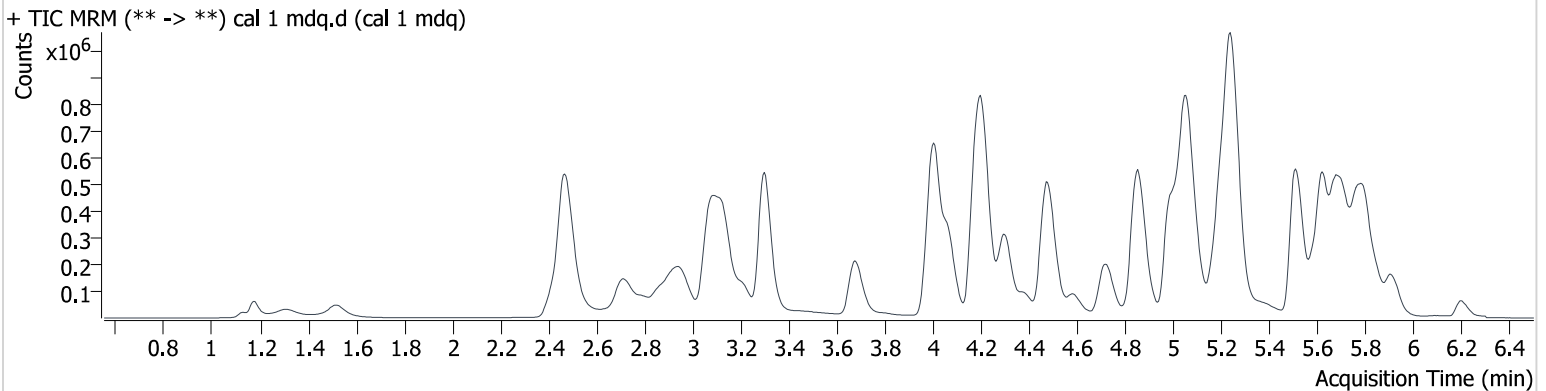
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	247.9	99.1
cal 7 mdq	7	✓	500.0	487.2	97.4
cal 8 mdq	8	✓	1000.0	976.6	97.7

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-A1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:06:09 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.077	1936	10302.4	130.35	3946.4	86974	0.500 ng/ml
7-aminoclonazepam	4.211	31221	1714.0	115.07	3120.1	293653	4.868 ng/ml
a-hydroxyalprazolam	5.655	7927	153.3	72.34	2203.8	106387	4.850 ng/ml
alpha-PHP	4.879	34310	1141.3	245.38	12458.5	849016	4.994 ng/ml
alpha-PVP	4.311	114010	9720.6	55.37	3767.6	849016	5.038 ng/ml
Alprazolam	5.739	70685	∞	90.96	1719.9	288647	4.965 ng/ml
Amphetamine	2.954	104748	1834.3	255.45	5697.0	425840	4.685 ng/ml
Benzoylcegonine	3.812	3930	838.9	40.07	36.0	17112	5.159 ng/ml
Buprenorphine	5.737	6175	292.3	15.00	88.1	130031	0.505 ng/ml
Bupropion	4.735	107457	19224.7	75.53	1144.0	628295	4.859 ng/ml
Carisoprodol	5.684	47567	50371.5	56.92	164.7	310978	4.972 ng/ml
Chlordiazepoxide	5.813	18501	701.9	126.83	758.8	671856	4.823 ng/ml
Chlorpheniramine	5.063	199615	7186.3	0.28	32.1	1469776	5.040 ng/ml
Citalopram	5.180	113099	68297.5	39.03	104139.3	736484	5.008 ng/ml
Clonazepam	5.572	31757	∞	31.52	38388.3	106387	5.098 ng/ml
Clonazolam	5.513	35847	5060.6	42.48	2778256.7	204640	5.290 ng/ml
Cocaine	4.215	84436	2399.8	51.60	2275.2	1323044	4.973 ng/ml
Codeine	2.488	13372	1541.2	92.99	4420.9	95265	4.887 ng/ml
Cyclobenzaprine	5.595	104644	8270.3	9.35	501.6	640297	4.853 ng/ml
Dextromethorphan	5.218	73780	4934.4	67.70	∞	621451	5.213 ng/ml
Dextrorphan	4.070	81112	13304.9	44.04	27704.8	778203	5.419 ng/ml
Diazepam	5.917	42892	935.3	85.79	40190.2	314914	4.978 ng/ml
Dihydrocodeine	2.457	32175	563.1	55.58	269.5	392861	4.694 ng/ml
Diphenhydramine	5.250	369914	∞	32.19	16484.6	2598034	5.089 ng/ml
Doxylamine	4.492	269861	∞	92.56	38311.4	1552091	4.885 ng/ml
Duloxetine	5.626	18765	469.6	9.58	559.4	100367	5.034 ng/ml
EDDP	5.213	113769	4594.6	40.39	48076.8	997187	5.067 ng/ml
Etizolam	5.774	7608	7815.3	392.86	21630.7	314914	5.068 ng/ml
Fentanyl	5.046	9595	334.2	127.16	183.6	842778	0.517 ng/ml
Flualprazolam	5.660	25724	∞	98.57	∞	204640	5.136 ng/ml
Fluorofentanyl	5.102	8564	85.8	127.71	113.5	9049	0.491 ng/ml
Fluoxetine	5.687	116414	∞	6.42	∞	738225	4.983 ng/ml
Hydrocodone	2.946	38182	635.6	38.30	243.9	395053	4.881 ng/ml



AM #28 Multi-Drug Quant. Results

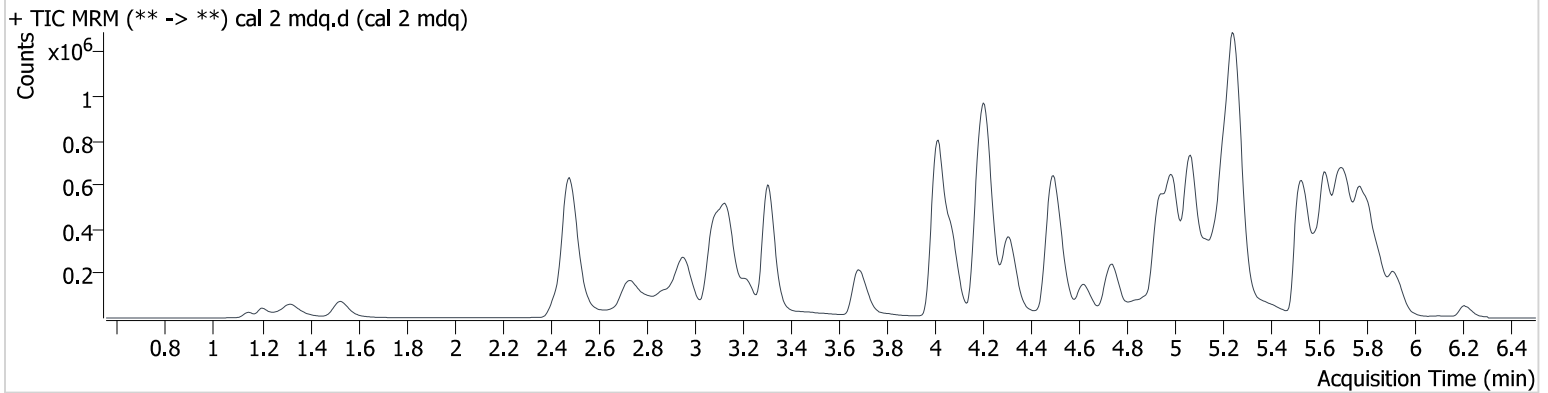
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.527	34379	1247.5	74.41	1988.6	195793	5.012 ng/ml
Hydroxyzine	5.675	97020	56296.7	113.50	17498.3	1873999	5.029 ng/ml
Ketamine	3.999	90749	21026.0	36.52	863.4	628073	4.787 ng/ml
Lamotrigine	4.239	7593	796.2	105.07	299289.1	738225	5.289 ng/ml
Lorazepam	5.713	13326	2281.7	53.89	128.1	343181	5.097 ng/ml
MDA	3.121	112569	2100.3	30.98	809.3	523059	4.869 ng/ml
MDMA	3.218	71781	57944.0	115.32	4153.1	175154	5.079 ng/ml
Meprobamate	4.849	31558	2026.3	34.38	309.0	174359	4.643 ng/ml
Methadone	5.630	179176	2189.7	50.05	1578.8	1090483	4.968 ng/ml
Methamphetamine	3.137	521531	∞	43.77	∞	1300615	5.022 ng/ml
Metoprolol	4.273	27342	130267.8	99.24	2243.3	523059	5.058 ng/ml
Mirtazapine	4.584	169109	31030.1	46.28	3541327.6	767586	4.966 ng/ml
Mitragynine	5.179	30485	5726.9	29.61	15806.6	1873999	4.731 ng/ml
Morphine	1.136	5752	∞	20.36	∞	14657	5.039 ng/ml
Norbuprenorphine	4.947	1124	2464.4	98.76	996.2	25592	0.493 ng/ml
Nordiazepam	5.860	35146	3474.3	61.06	18459.0	204640	5.003 ng/ml
Norfentanyl	4.035	2238	283.7	273.55	334.9	1269679	0.478 ng/ml
Noroxycodone	2.824	31984	1029.5	52.42	412.5	217692	5.160 ng/ml
O-desmethyl-tramadol	3.304	200264	∞	6.41	6411.8	1672681	4.957 ng/ml
O-Desmethylvenlafaxine	4.018	58607	97.9	238.12	2856.5	350967	4.965 ng/ml
Olanzapine	4.455	51889	777.5	42.74	681.4	243380	4.999 ng/ml
Oxycodone	2.741	86039	4229.5	30.66	1903.7	542448	4.696 ng/ml
Phentermine	3.709	37323	215.4	12.65	298.2	767586	4.821 ng/ml
Promethazine	5.511	146858	276617.9	40.57	1605.5	1314597	5.146 ng/ml
Pseudoephedrine	2.481	273540	∞	17.23	3017.5	1873999	5.071 ng/ml
Quetiapine	5.518	140254	59573.3	65.72	170470.3	383839	5.001 ng/ml
Sertraline	5.750	39705	4478.1	97.59	1863.3	298035	5.020 ng/ml
Temazepam	5.776	103284	1436.2	30.02	128.1	976065	5.073 ng/ml
Tramadol	4.192	213090	6675.5	3.32	335.8	1642134	4.825 ng/ml
Trazodone	5.107	91223	895.4	122.60	4155.1	865086	4.812 ng/ml
Venlafaxine	4.991	146727	28841.6	46.97	1244.0	1480704	5.760 ng/ml
Zolpidem	4.872	209280	∞	26.86	7158.6	1752117	4.877 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-B1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:15:01 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	3659	29721.8	127.62	3434.7	89031	0.983 ng/ml
7-aminoclonazepam	4.216	58624	3253.9	117.78	8904.4	282139	10.182 ng/ml
a-hydroxyalprazolam	5.655	16550	14137.4	77.97	31189.5	114967	10.101 ng/ml
alpha-PHP	4.890	70738	5041.3	251.93	41295.9	848430	10.092 ng/ml
alpha-PVP	4.321	232419	26552.9	55.08	12983.6	848430	9.983 ng/ml
Alprazolam	5.739	152293	6838.4	91.62	25298.9	313330	10.083 ng/ml
Amphetamine	2.964	171990	5312.6	267.68	4777.7	405372	10.884 ng/ml
Benzoylcegonine	3.817	6177	674.6	39.93	5204.5	17325	9.460 ng/ml
Buprenorphine	5.866	13407	582.7	17.02	162.3	157632	0.969 ng/ml
Bupropion	4.751	214792	11215.0	74.96	4209.9	609541	10.373 ng/ml
Carisoprodol	5.684	95234	83943.6	62.28	∞	308386	10.197 ng/ml
Chlordiazepoxide	5.818	36491	∞	132.76	4073.4	689896	10.288 ng/ml
Chlorpheniramine	5.068	386725	181200.3	0.33	54.5	1478275	9.796 ng/ml
Citalopram	5.185	215885	10220.1	39.40	702957.5	730743	10.057 ng/ml
Clonazepam	5.572	64663	∞	32.37	40055.3	114967	9.603 ng/ml
Clonazolam	5.518	72943	36844.3	38.45	3907.4	207777	9.432 ng/ml
Cocaine	4.220	174105	5312.0	50.05	5256.9	1336221	10.096 ng/ml
Codeine	2.503	26541	3379.2	90.03	2861.1	93922	10.196 ng/ml
Cyclobenzaprine	5.600	225433	199501.3	8.16	395.8	647960	10.407 ng/ml
Dextromethorphan	5.224	142883	4118.3	74.60	22772.9	635084	9.506 ng/ml
Dextrorphan	4.075	170962	∞	44.42	∞	796967	10.407 ng/ml
Diazepam	5.922	93959	5962.4	86.42	1466.2	327258	10.159 ng/ml
Dihydrocodeine	2.462	63405	562.3	62.30	147.8	396437	10.517 ng/ml
Diphenhydramine	5.255	736447	20769.3	32.04	61552.9	2595527	9.841 ng/ml
Doxylamine	4.502	545374	17570.0	94.13	27394.4	1577972	10.215 ng/ml
Duloxetine	5.636	37606	456.4	10.67	1007.9	102129	10.009 ng/ml
EDDP	5.218	217614	9159.5	44.79	23981.2	1029840	9.588 ng/ml
Etizolam	5.774	14661	18494.6	401.93	37896.4	327258	9.616 ng/ml
Fentanyl	5.072	19048	252.6	128.94	345.6	865496	0.956 ng/ml
Flualprazolam	5.666	54829	2252.0	98.14	1147.8	207777	9.950 ng/ml
Fluorofentanyl	5.133	18073	6176.9	118.00	311.5	8604	1.051 ng/ml
Fluoxetine	5.687	233675	2779.5	6.21	21797.4	750319	10.036 ng/ml
Hydrocodone	2.956	81193	∞	36.80	1523.6	412435	10.397 ng/ml



AM #28 Multi-Drug Quant. Results

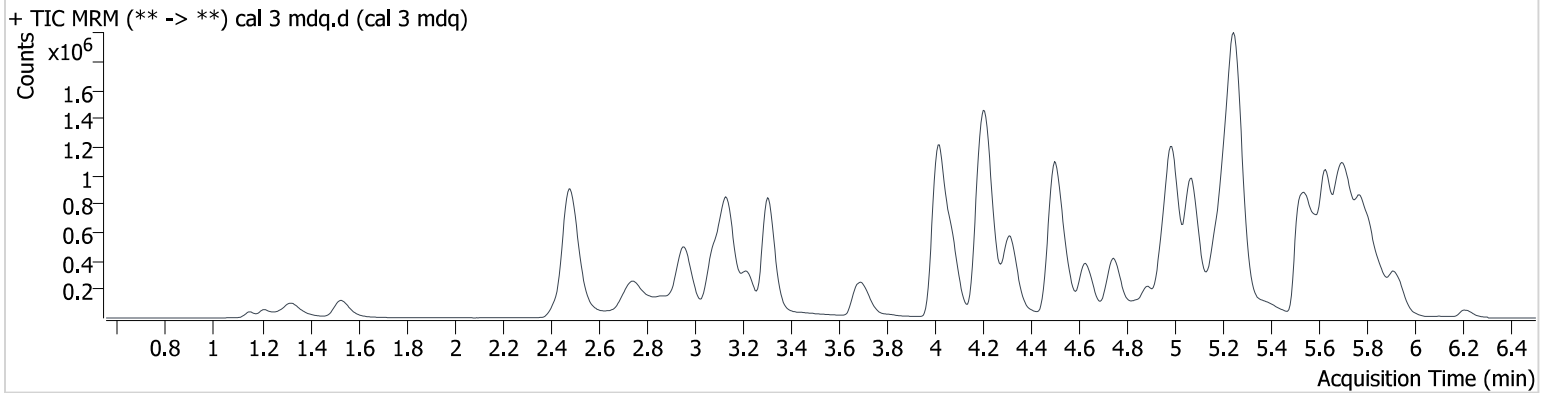
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.537	71292	2233.1	73.20	3340.4	203709	9.952 ng/ml
Hydroxyzine	5.691	198645	4005.6	115.97	32078.8	1907887	9.945 ng/ml
Ketamine	4.014	178967	14820.9	36.41	4538.8	615233	10.368 ng/ml
Lamotrigine	4.249	14632	292.1	103.12	16941.5	750319	9.129 ng/ml
Lorazepam	5.713	31487	2614.5	45.80	123.3	377786	9.946 ng/ml
MDA	3.126	221502	7080.0	29.51	1553.2	515180	10.273 ng/ml
MDMA	3.223	148951	623824.6	110.88	12669.6	178988	9.789 ng/ml
Meprobamate	4.854	66788	10078.1	33.32	3776.7	180608	10.766 ng/ml
Methadone	5.630	357200	50442.3	50.78	6341.9	1069797	10.179 ng/ml
Methamphetamine	3.143	647499	∞	39.49	∞	1308952	9.530 ng/ml
Metoprolol	4.278	53578	22520.5	93.05	1106.3	515180	9.704 ng/ml
Mirtazapine	4.621	337710	∞	48.66	1891542.1	769771	9.943 ng/ml
Mitragynine	5.204	56324	54439.6	31.48	13533.2	1907887	10.396 ng/ml
Morphine	1.151	12205	∞	19.74	7404.7	15772	9.709 ng/ml
Norbuprenorphine	4.952	2042	8196.9	94.29	6783.2	25949	1.009 ng/ml
Nordiazepam	5.866	71192	85962.4	60.98	1880.7	207777	10.138 ng/ml
Norfentanyl	4.030	4401	403.0	266.46	284.0	1254759	1.027 ng/ml
Noroxycodone	2.834	63560	1139.8	50.79	1878.5	221873	9.755 ng/ml
O-desmethyl-tramadol	3.309	404336	119120.2	6.29	2323.4	1657471	10.211 ng/ml
O-Desmethylvenlafaxine	4.023	117298	726.8	232.95	16564.5	357298	10.080 ng/ml
Olanzapine	4.536	105755	7206.7	41.56	115.6	227497	10.124 ng/ml
Oxycodone	2.751	169839	3083.5	31.22	2273.9	549018	10.589 ng/ml
Phentermine	3.719	69692	393.6	13.10	1665.9	769771	10.070 ng/ml
Promethazine	5.521	291898	∞	39.92	4161.6	1336419	9.654 ng/ml
Pseudoephedrine	2.491	551762	62485.2	17.32	33197.5	1907887	9.915 ng/ml
Quetiapine	5.549	297959	1481010.1	64.20	185542.3	386685	10.171 ng/ml
Sertraline	5.755	79299	16332.9	93.59	4108.5	299602	10.011 ng/ml
Temazepam	5.781	207589	2580.9	30.78	325.9	1037422	9.714 ng/ml
Tramadol	4.197	430248	∞	3.38	347.4	1662796	10.425 ng/ml
Trazodone	5.200	178934	7909.1	134.24	17452.3	950438	10.353 ng/ml
Venlafaxine	4.996	288990	27915.8	47.72	2363.0	1513112	10.219 ng/ml
Zolpidem	4.955	403496	30373.5	27.81	298239.5	1746923	10.184 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-C1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:23:43 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	9381	24700.7	140.01	35047.0	91688	2.556 ng/ml
7-aminoclonazepam	4.216	152832	546641.1	112.28	18276.2	290572	26.845 ng/ml
a-hydroxyalprazolam	5.655	41284	∞	71.90	447.3	114717	26.430 ng/ml
alpha-PHP	4.895	194741	6943.9	243.83	32501.9	929405	25.060 ng/ml
alpha-PVP	4.321	638129	135360.9	53.38	20077.8	929405	24.594 ng/ml
Alprazolam	5.734	373513	∞	93.34	∞	310589	25.290 ng/ml
Amphetamine	2.959	373917	2031.5	291.82	17308.4	425397	26.693 ng/ml
Benzoylcegonine	3.817	15256	942.8	40.89	76.3	18617	25.150 ng/ml
Buprenorphine	5.902	36019	1804.1	17.34	335.4	171720	2.509 ng/ml
Bupropion	4.751	592900	53414.7	76.11	52789.0	681673	26.104 ng/ml
Carisoprodol	5.690	220039	∞	64.33	1349.7	301156	24.337 ng/ml
Chlordiazepoxide	5.823	94060	2766.6	135.39	11112.2	725881	26.816 ng/ml
Chlorpheniramine	5.073	1075015	11137.2	0.30	211.9	1591832	25.441 ng/ml
Citalopram	5.180	539619	∞	39.45	∞	767432	24.568 ng/ml
Clonazepam	5.577	166216	725749.1	32.51	41196.0	114717	24.733 ng/ml
Clonazolam	5.513	188359	34555.3	39.35	47584.7	207752	22.516 ng/ml
Cocaine	4.220	461449	115894.8	50.02	4387.9	1414517	25.195 ng/ml
Codeine	2.503	65434	42951.2	90.11	17949.1	92208	26.139 ng/ml
Cyclobenzaprine	5.600	568792	105366.2	8.02	2225.5	670800	25.462 ng/ml
Dextromethorphan	5.224	382932	45043.2	70.63	464036.2	663067	23.749 ng/ml
Dextrorphan	4.075	448725	459062.6	45.10	2754950.8	857598	24.372 ng/ml
Diazepam	5.922	242062	1866.3	87.89	∞	342869	24.539 ng/ml
Dihydrocodeine	2.462	166031	4919.5	61.16	539.2	416777	28.311 ng/ml
Diphenhydramine	5.255	1935100	∞	32.40	30532.3	2710241	24.303 ng/ml
Doxylamine	4.507	1465526	82088.5	93.83	145095.6	1716708	25.980 ng/ml
Duloxetine	5.631	91635	1188.7	8.22	72.3	103059	24.305 ng/ml
EDDP	5.218	574311	273014.1	42.74	9483117.6	1019800	25.951 ng/ml
Etizolam	5.779	39703	26202.5	399.86	∞	342869	25.258 ng/ml
Fentanyl	5.077	52026	750.5	121.81	1746.6	910052	2.407 ng/ml
Flualprazolam	5.666	130129	∞	107.75	9065.9	207752	22.578 ng/ml
Fluorofentanyl	5.138	46787	4783.1	122.97	375.9	9279	2.478 ng/ml
Fluoxetine	5.687	571478	760995.6	6.42	40913.5	741058	25.144 ng/ml
Hydrocodone	2.951	201520	1744.3	36.73	1538.1	431110	25.290 ng/ml



AM #28 Multi-Drug Quant. Results

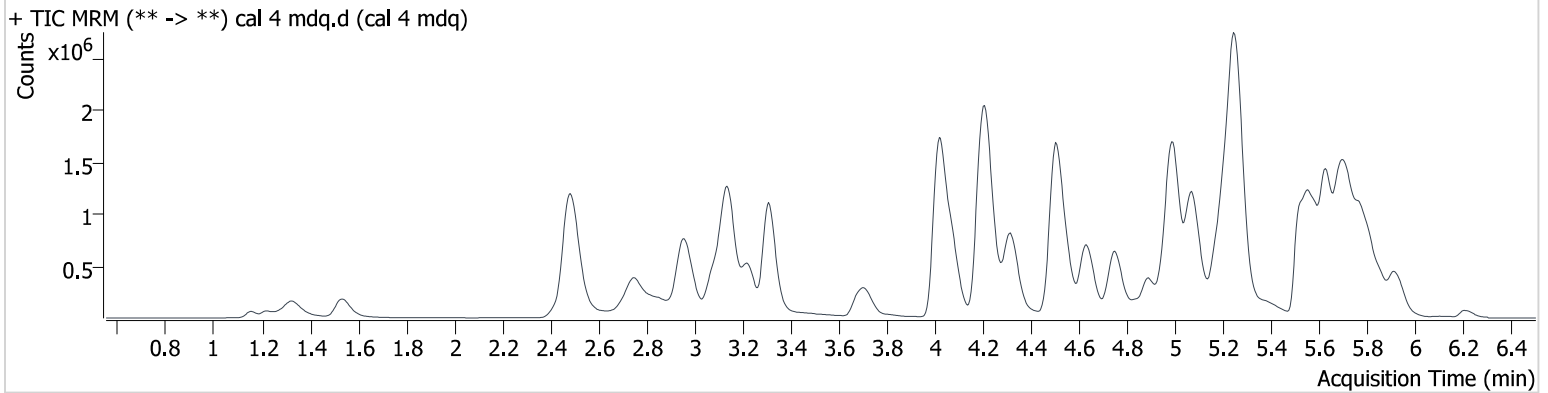
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.537	187975	2434.2	73.19	3403.9	212287	25.122 ng/ml
Hydroxyzine	5.696	526112	72249.7	115.23	6761.8	1999170	24.881 ng/ml
Ketamine	4.020	462078	37699.6	38.07	4289.3	642743	26.685 ng/ml
Lamotrigine	4.249	39646	3092.8	99.53	732159.9	741058	23.293 ng/ml
Lorazepam	5.718	69580	∞	47.07	5177.0	335078	23.488 ng/ml
MDA	3.126	554021	17950.0	29.09	10615.2	522650	26.129 ng/ml
MDMA	3.223	398303	692413.4	110.37	8807.9	186397	24.339 ng/ml
Meprobamate	4.854	170534	12532.4	32.84	4685.1	187689	28.238 ng/ml
Methadone	5.635	937514	78802.2	50.21	20051.0	1179173	24.348 ng/ml
Methamphetamine	3.143	1188002	∞	39.62	∞	1418812	26.017 ng/ml
Metoprolol	4.283	139922	323009.6	98.74	42169.3	522650	24.410 ng/ml
Mirtazapine	4.626	915660	119743.1	48.82	190899.1	811743	25.652 ng/ml
Mitragynine	5.215	144384	334769.2	30.87	3175.5	1999170	28.648 ng/ml
Morphine	1.151	33176	∞	21.27	∞	15652	26.187 ng/ml
Norbuprenorphine	4.952	5277	∞	89.96	8167.7	27715	2.664 ng/ml
Nordiazepam	5.866	168823	∞	62.33	6423.4	207752	24.260 ng/ml
Norfentanyl	4.035	10994	1622.8	273.13	663.0	1253281	2.682 ng/ml
Noroxycodone	2.829	161003	5580.4	50.22	1176.3	226951	23.679 ng/ml
O-desmethyl-tramadol	3.309	1076836	∞	6.47	4601.2	1823694	24.868 ng/ml
O-Desmethylvenlafaxine	4.023	306261	1065.8	239.67	31640.8	384422	24.933 ng/ml
Olanzapine	4.552	299203	1079.4	43.28	5906.3	249090	25.119 ng/ml
Oxycodone	2.751	433171	13458.5	30.48	5159.8	583923	27.495 ng/ml
Phentermine	3.719	189406	1480.8	12.27	996.9	811743	27.954 ng/ml
Promethazine	5.521	801399	181820.3	39.54	9297.7	1431914	24.071 ng/ml
Pseudoephedrine	2.491	1421666	22480.0	17.26	15691.3	1999170	24.181 ng/ml
Quetiapine	5.560	775091	868941.0	64.56	1000192.4	416742	24.072 ng/ml
Sertraline	5.760	197100	14284.3	98.80	8453.4	302229	24.722 ng/ml
Temazepam	5.787	515290	54269.8	30.28	1569.2	1018437	24.770 ng/ml
Tramadol	4.197	1107416	∞	3.52	∞	1796487	25.955 ng/ml
Trazodone	5.231	441733	14859.5	141.82	∞	1015248	26.871 ng/ml
Venlafaxine	4.996	758741	135751.2	47.35	10339.3	1621468	23.657 ng/ml
Zolpidem	4.975	1084969	118298.4	27.86	324519.6	1880848	26.644 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-D1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:32:26 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	17679	179908.7	131.74	93743.3	86118	5.201 ng/ml
7-aminoclonazepam	4.221	258494	5154.8	121.34	25434.0	266119	50.169 ng/ml
a-hydroxyalprazolam	5.655	70135	2575.8	66.74	1822.2	93269	56.081 ng/ml
alpha-PHP	4.895	349343	13310.8	252.80	89270.8	863917	48.178 ng/ml
alpha-PVP	4.321	1178983	119689.7	54.08	553693.4	863917	48.604 ng/ml
Alprazolam	5.734	673701	∞	86.16	∞	290608	48.967 ng/ml
Amphetamine	2.959	701968	8955.0	286.31	25330.3	418318	54.475 ng/ml
Benzoylcegonine	3.817	26594	2443.8	42.50	289.2	18302	46.628 ng/ml
Buprenorphine	5.913	64893	1933.4	15.70	795.9	152654	5.169 ng/ml
Bupropion	4.756	1107739	86763.1	75.28	20475.0	670746	49.871 ng/ml
Carisoprodol	5.695	370096	372720.5	61.69	∞	246406	50.193 ng/ml
Chlordiazepoxide	5.823	164462	4846.2	129.97	13068.8	641203	54.168 ng/ml
Chlorpheniramine	5.073	1971917	6375.2	0.30	564.8	1499850	49.619 ng/ml
Citalopram	5.185	955216	18090.0	41.12	2152705.6	687249	49.011 ng/ml
Clonazepam	5.572	272404	∞	32.51	345391.0	93269	49.851 ng/ml
Clonazolam	5.518	331928	243346.3	40.53	43640.4	178105	45.052 ng/ml
Cocaine	4.220	840752	68490.1	50.48	33000.8	1291536	50.222 ng/ml
Codeine	2.503	115358	16279.8	90.47	5695.5	83447	51.255 ng/ml
Cyclobenzaprine	5.600	1029459	258378.1	8.61	2547.1	593304	52.173 ng/ml
Dextromethorphan	5.229	672567	2119317.1	72.93	848070.2	584974	46.867 ng/ml
Dextrorphan	4.075	823097	128144.3	45.29	1078253.9	786534	48.042 ng/ml
Diazepam	5.922	438177	1458.9	87.48	4131.8	306848	49.325 ng/ml
Dihydrocodeine	2.457	304516	2895.2	61.53	4729.2	403670	54.877 ng/ml
Diphenhydramine	5.260	3522461	427468.3	31.45	46904.1	2496928	47.722 ng/ml
Doxylamine	4.507	2763115	158132.2	94.40	1132804.5	1652071	51.388 ng/ml
Duloxetine	5.631	157946	842.7	9.85	34.0	88240	49.026 ng/ml
EDDP	5.218	999248	82211.5	42.20	337485.2	927296	49.875 ng/ml
Etizolam	5.779	72271	1086836.5	395.71	∞	306848	51.638 ng/ml
Fentanyl	5.082	94498	2651.9	125.24	5594.2	820891	4.798 ng/ml
Flualprazolam	5.666	238956	4019.1	102.28	∞	178105	47.498 ng/ml
Fluorofentanyl	5.138	87697	61444.6	121.09	745.9	9165	4.673 ng/ml
Fluoxetine	5.687	979243	88712.4	6.28	∞	639648	50.112 ng/ml
Hydrocodone	2.951	370503	∞	36.47	3398.7	398006	50.799 ng/ml



AM #28 Multi-Drug Quant. Results

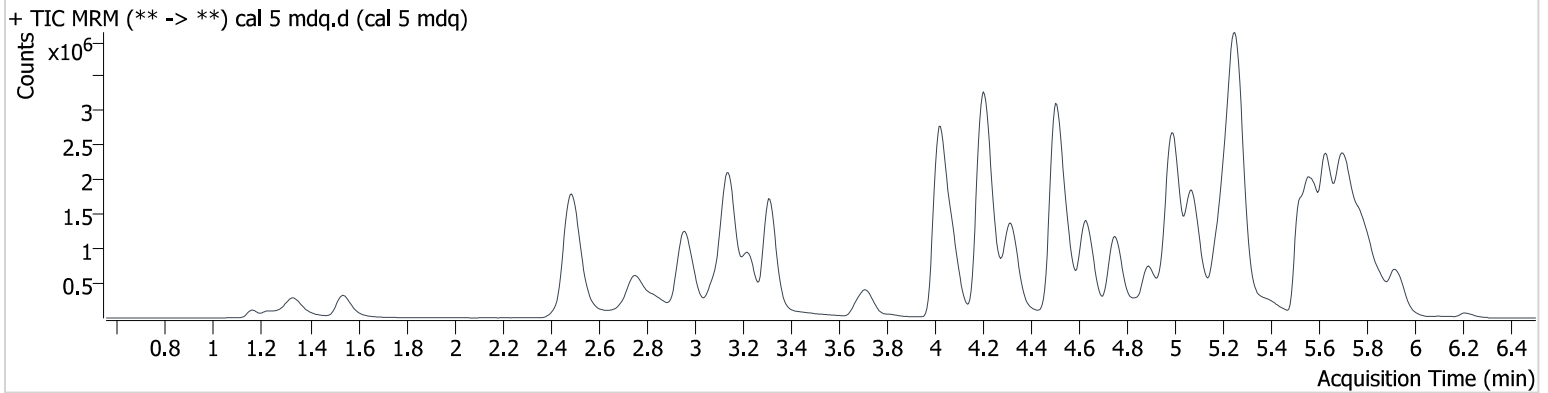
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.537	340821	21352.7	73.34	6044.8	196796	49.099 ng/ml
Hydroxyzine	5.696	949584	8087.2	115.26	3290.2	1855068	48.238 ng/ml
Ketamine	4.020	855521	3315869.1	37.80	10064.4	596079	53.993 ng/ml
Lamotrigine	4.254	73219	11482.8	94.78	∞	639648	48.694 ng/ml
Lorazepam	5.718	102691	∞	46.21	5006.9	248445	45.895 ng/ml
MDA	3.126	939264	27043.8	30.32	8149.0	449873	51.995 ng/ml
MDMA	3.223	732725	51001.6	109.44	31429.7	166389	49.618 ng/ml
Meprobamate	4.854	306811	23586.1	32.28	1081.7	179334	54.253 ng/ml
Methadone	5.635	1715290	∞	49.00	54792.0	1039956	50.597 ng/ml
Methamphetamine	3.142	1926690	∞	37.73	∞	1351878	54.302 ng/ml
Metoprolol	4.283	258330	20374.9	97.60	50129.7	449873	51.941 ng/ml
Mirtazapine	4.631	1731247	68450.7	48.01	129004.6	771490	51.085 ng/ml
Mitragynine	5.220	237463	15024.5	31.69	64832.1	1855068	52.492 ng/ml
Morphine	1.156	57593	34260.6	21.85	∞	15114	46.890 ng/ml
Norbuprenorphine	4.952	8748	6977.7	99.39	16187.7	26268	4.779 ng/ml
Nordiazepam	5.866	293492	∞	61.16	∞	178105	49.357 ng/ml
Norfentanyl	4.040	20284	2547.1	262.57	8023.5	1123266	5.601 ng/ml
Noroxycodone	2.829	291677	12602.6	50.11	5469.0	205395	47.076 ng/ml
O-desmethyl-tramadol	3.314	2050434	173788.5	6.34	13761.4	1744602	49.604 ng/ml
O-Desmethylvenlafaxine	4.023	565077	2944.0	241.49	502.2	348289	51.118 ng/ml
Olanzapine	4.557	579568	1196.9	43.66	2356.2	251226	47.639 ng/ml
Oxycodone	2.751	813655	89380.3	30.57	11668.5	564078	54.883 ng/ml
Phentermine	3.719	342357	2294.9	12.40	1367.4	771490	54.308 ng/ml
Promethazine	5.521	1473873	246564.2	39.64	81167.0	1315614	47.757 ng/ml
Pseudoephedrine	2.491	2631687	∞	17.23	∞	1855068	48.105 ng/ml
Quetiapine	5.560	1450810	∞	62.98	887789.9	379428	49.131 ng/ml
Sertraline	5.755	334587	73345.8	99.90	145421.2	262252	48.401 ng/ml
Temazepam	5.787	838202	11832.9	30.47	3095.0	823267	49.981 ng/ml
Tramadol	4.197	2114300	∞	3.42	∞	1707352	52.957 ng/ml
Trazodone	5.236	785224	109351.1	142.26	∞	933637	54.036 ng/ml
Venlafaxine	4.996	1411324	65197.6	45.50	7248.5	1506704	46.402 ng/ml
Zolpidem	4.980	2005431	162228.7	28.51	2278129.7	1853427	50.683 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-E1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:41:08 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	35194	∞	130.76	∞	87560	10.251 ng/ml
7-aminoclonazepam	4.216	470178	58147.5	111.40	27447.1	229244	106.709 ng/ml
a-hydroxyalprazolam	5.655	101576	∞	66.43	1053.3	70157	108.705 ng/ml
alpha-PHP	4.895	720270	34290.2	246.49	11491.3	868825	98.562 ng/ml
alpha-PVP	4.321	2394062	68573.0	54.13	80401.2	868825	97.850 ng/ml
Alprazolam	5.739	1164891	∞	90.08	9013.0	238254	103.532 ng/ml
Amphetamine	2.959	1253141	31610.4	279.75	44131.2	419868	99.900 ng/ml
Benzoylcegonine	3.817	55051	6844.1	43.33	2266.7	18286	99.418 ng/ml
Buprenorphine	5.913	129235	15799.9	16.32	1304.3	156401	10.124 ng/ml
Bupropion	4.751	2315698	102320.1	73.78	57211.3	683813	102.620 ng/ml
Carisoprodol	5.690	558805	∞	61.95	6935.6	186538	100.263 ng/ml
Chlordiazepoxide	5.823	259905	5068.3	131.18	11083.3	574999	96.307 ng/ml
Chlorpheniramine	5.073	4072532	22869.0	0.28	747.2	1546713	99.467 ng/ml
Citalopram	5.180	1824172	26883.9	41.47	2393834.6	636854	101.488 ng/ml
Clonazepam	5.577	429629	27263.1	32.88	∞	70157	104.522 ng/ml
Clonazolam	5.513	577762	19673.9	37.36	24706.4	145405	94.735 ng/ml
Cocaine	4.220	1630742	225223.1	50.03	88541.2	1300960	96.655 ng/ml
Codeine	2.508	203285	12222.5	89.88	2982.7	73636	102.707 ng/ml
Cyclobenzaprine	5.600	1949896	∞	8.04	7125.4	566413	103.579 ng/ml
Dextromethorphan	5.224	1290456	1089786.6	72.56	66424.3	550508	95.121 ng/ml
Dextrorphan	4.075	1630155	214466.8	45.37	56345.4	769020	96.592 ng/ml
Diazepam	5.922	887932	24947.8	84.07	10276.8	294230	103.904 ng/ml
Dihydrocodeine	2.457	570535	9017.6	61.61	4071.5	397806	105.611 ng/ml
Diphenhydramine	5.260	6718490	523342.1	31.51	82602.9	2284005	99.178 ng/ml
Doxylamine	4.507	5772571	115418.8	95.12	179338.3	1717048	103.810 ng/ml
Duloxetine	5.626	278310	2355.8	10.83	640.0	75593	100.942 ng/ml
EDDP	5.218	1905405	∞	42.48	67489.4	872151	101.362 ng/ml
Etizolam	5.779	137131	∞	390.57	∞	294230	102.430 ng/ml
Fentanyl	5.082	188604	6580.1	123.10	4024.5	798847	9.791 ng/ml
Flualprazolam	5.666	394429	9749.0	101.24	10048.0	145405	95.260 ng/ml
Fluorofentanyl	5.138	185759	3899.1	119.42	913.6	9055	9.982 ng/ml
Fluoxetine	5.693	1672154	∞	6.56	∞	546207	100.408 ng/ml
Hydrocodone	2.956	703530	3162.1	36.99	∞	382934	100.684 ng/ml



AM #28 Multi-Drug Quant. Results

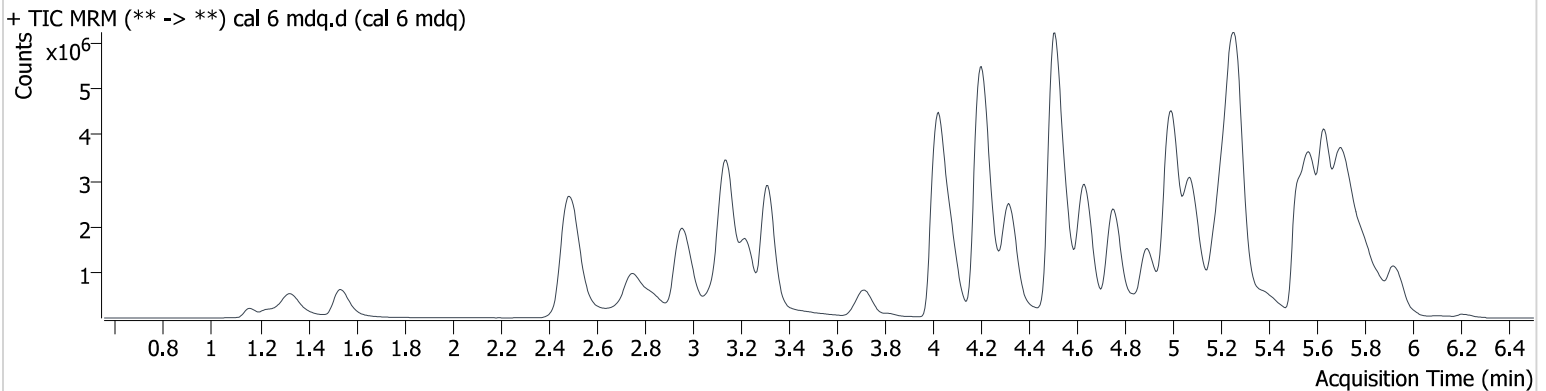
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.542	699081	9846.0	72.71	∞	195219	101.484 ng/ml
Hydroxyzine	5.696	1857762	1442357.1	115.29	498542.4	1730263	100.995 ng/ml
Ketamine	4.020	1604737	233669.2	38.49	7482.2	565624	107.433 ng/ml
Lamotrigine	4.254	128441	12744.6	97.25	118934.3	546207	98.973 ng/ml
Lorazepam	5.713	141815	∞	44.30	537.2	150378	103.603 ng/ml
MDA	3.126	1606015	100967.3	29.37	33663.8	387400	103.780 ng/ml
MDMA	3.228	1453381	438287.5	109.42	91445.0	159428	102.172 ng/ml
Meprobamate	4.854	535166	12613.1	32.35	7583.6	165211	103.817 ng/ml
Methadone	5.630	3591192	70968.1	47.47	1051079.1	1070987	102.945 ng/ml
Methamphetamine	3.148	3572828	∞	39.37	∞	1402537	108.297 ng/ml
Metoprolol	4.278	465264	58528.3	98.23	102083.6	387400	108.239 ng/ml
Mirtazapine	4.631	3465417	217357.6	48.42	93119.9	755411	104.490 ng/ml
Mitragynine	5.215	426220	24081.9	32.74	23860.8	1730263	103.068 ng/ml
Morphine	1.161	125640	∞	20.88	∞	14502	106.317 ng/ml
Norbuprenorphine	4.952	17846	14073.0	97.14	18895.8	25317	10.291 ng/ml
Nordiazepam	5.866	479478	∞	62.02	∞	145405	98.925 ng/ml
Norfentanyl	4.035	34548	3907.4	264.78	1844.2	976906	11.041 ng/ml
Noroxycodone	2.829	536968	9670.3	49.53	5284.3	192327	92.242 ng/ml
O-desmethyl-tramadol	3.314	4194319	248798.1	6.31	20061.6	1763466	100.493 ng/ml
O-Desmethylvenlafaxine	4.023	1093603	3597.6	237.64	26764.0	333437	103.674 ng/ml
Olanzapine	4.557	1281269	2153.5	46.06	6529.2	276303	95.094 ng/ml
Oxycodone	2.751	1531512	∞	31.58	∞	549880	107.372 ng/ml
Phentermine	3.719	648271	∞	11.33	18120.9	755411	106.209 ng/ml
Promethazine	5.521	2974541	69981.7	38.28	692490.3	1284615	98.254 ng/ml
Pseudoephedrine	2.495	5076598	45634.4	16.85	∞	1730263	99.345 ng/ml
Quetiapine	5.565	2707579	∞	65.16	128390736.3	347141	99.867 ng/ml
Sertraline	5.755	594553	408653.5	96.25	57562.9	222746	101.303 ng/ml
Temazepam	5.787	1304060	162132.7	30.33	25934.3	629856	101.778 ng/ml
Tramadol	4.197	4053176	∞	3.50	∞	1690181	103.309 ng/ml
Trazodone	5.236	1413588	∞	141.13	∞	924701	100.053 ng/ml
Venlafaxine	5.001	2767505	214046.0	46.04	164590.6	1397792	97.020 ng/ml
Zolpidem	4.980	3970364	302396.8	29.20	50135.3	1827763	102.565 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 AM

Instrument 69679 **Data File** cal 6 mdq.d
Type Cal **Sample** cal 6 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-F1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:49:51 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	74810	∞	134.36	∞	76484	25.050 ng/ml
7-aminoclonazepam	4.216	670607	52618.8	106.02	49406.1	136767	256.081 ng/ml
a-hydroxyalprazolam	5.650	117384	547.6	67.58	1308.5	37925	233.278 ng/ml
alpha-PHP	4.895	1562268	∞	253.14	72991.3	730820	253.836 ng/ml
alpha-PVP	4.321	5151863	∞	53.20	65716.9	730820	249.889 ng/ml
Alprazolam	5.739	1941911	8408.4	90.28	∞	159693	257.841 ng/ml
Amphetamine	2.959	2132936	66739.3	268.86	106928.1	355722	204.600 ng/ml
Benzoylcegonine	3.817	135459	∞	42.40	2569.6	17886	254.084 ng/ml
Buprenorphine	5.918	295096	16873.5	15.84	2464.1	143104	25.388 ng/ml
Bupropion	4.756	5174535	1080902.3	72.15	160988.1	626344	250.839 ng/ml
Carisoprodol	5.695	679386	16420602.7	61.30	4526.8	88869	256.106 ng/ml
Chlordiazepoxide	5.828	494721	26437.6	104.64	30265.0	407218	260.723 ng/ml
Chlorpheniramine	5.073	8777964	∞	0.30	15602.9	1350549	245.671 ng/ml
Citalopram	5.180	3312451	179510.6	42.86	184201.1	471201	249.740 ng/ml
Clonazepam	5.572	573398	35895.1	32.21	128872.5	37925	258.054 ng/ml
Clonazolam	5.513	893685	∞	36.50	∞	79491	265.911 ng/ml
Cocaine	4.220	3331964	169652.4	48.43	64821.5	1010781	254.093 ng/ml
Codeine	2.508	348737	46941.1	91.43	7917.7	50633	256.769 ng/ml
Cyclobenzaprine	5.595	3575404	574511.8	7.91	572.9	424283	253.647 ng/ml
Dextromethorphan	5.224	2377793	118197.0	71.58	132189.0	394163	244.135 ng/ml
Dextrorphan	4.075	3343114	∞	44.85	1321524.4	626080	242.248 ng/ml
Diazepam	5.922	1688308	∞	84.39	∞	239842	241.960 ng/ml
Dihydrocodeine	2.457	1083099	10598.9	61.47	1862.2	350874	228.943 ng/ml
Diphenhydramine	5.266	12518747	230600.7	30.18	94370.3	1675820	251.401 ng/ml
Doxylamine	4.507	12705240	275596.3	95.30	11262418.2	1551743	253.554 ng/ml
Duloxetine	5.631	424024	9362.8	11.23	88.1	47729	243.710 ng/ml
EDDP	5.213	4002448	87555.3	47.37	2520747.5	776054	239.609 ng/ml
Etizolam	5.785	258557	323840.5	384.49	48226.7	239842	237.258 ng/ml
Fentanyl	5.087	375449	10487.3	128.41	16050.7	629438	24.664 ng/ml
Flualprazolam	5.660	603960	∞	96.94	4817.9	79491	265.455 ng/ml
Fluorofentanyl	5.138	404078	1324.8	118.36	4579.7	8065	24.330 ng/ml
Fluoxetine	5.693	2450020	110560.6	6.68	121652.3	318396	252.679 ng/ml
Hydrocodone	2.951	1425394	7093.7	37.73	∞	313402	249.898 ng/ml



AM #28 Multi-Drug Quant. Results

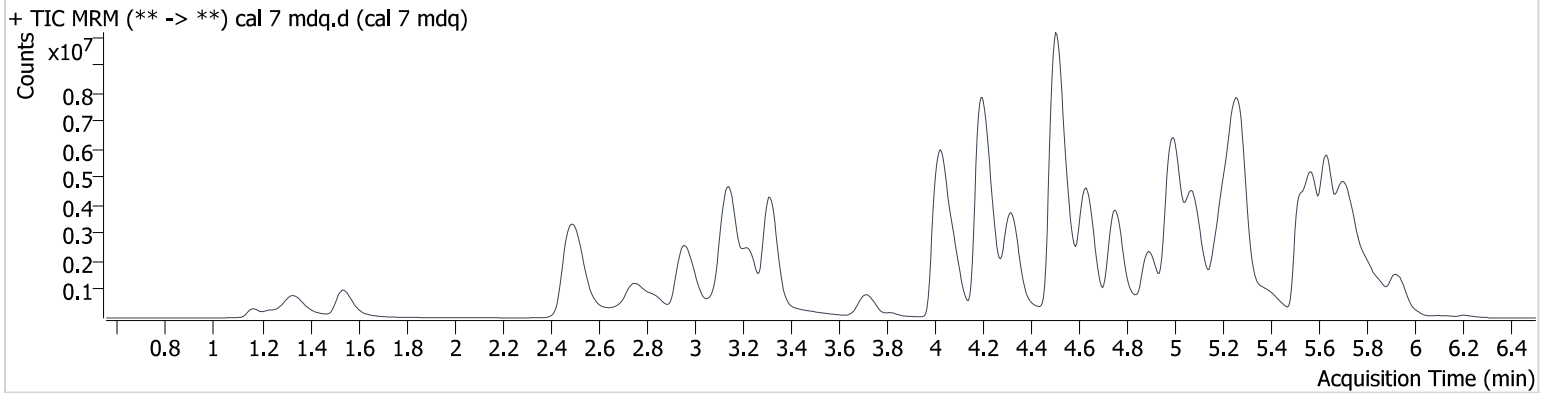
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.537	1519874	6163.4	73.15	∞	170649	252.347 ng/ml
Hydroxyzine	5.696	3550461	2550.8	115.14	8864.9	1284439	259.749 ng/ml
Ketamine	4.020	2974105	626381.5	38.44	21669.9	443629	254.846 ng/ml
Lamotrigine	4.254	210623	43974.4	93.69	21125.0	318396	276.604 ng/ml
Lorazepam	5.713	157340	∞	46.28	1751.4	62953	273.145 ng/ml
MDA	3.116	2370752	157288.5	29.38	21313.1	271778	218.973 ng/ml
MDMA	3.223	2955028	462798.2	102.26	210570.1	134782	245.008 ng/ml
Meprobamate	4.849	903575	51995.3	31.35	6274.5	124599	233.937 ng/ml
Methadone	5.635	7583196	394125.5	46.07	49975.2	922899	252.375 ng/ml
Methamphetamine	3.142	6838454	∞	38.67	∞	1267893	245.239 ng/ml
Metoprolol	4.283	780998	∞	99.57	∞	271778	258.482 ng/ml
Mirtazapine	4.634	7409319	308792.6	47.70	282639.0	652926	258.554 ng/ml
Mitragynine	5.215	743566	27346.5	36.54	153432.0	1284439	245.220 ng/ml
Morphine	1.161	273406	∞	20.95	534797.8	13046	256.836 ng/ml
Norbuprenorphine	4.952	34879	87876.1	94.30	34770.6	20606	24.934 ng/ml
Nordiazepam	5.871	658266	16265.6	61.71	10295.6	79491	248.666 ng/ml
Norfentanyl	4.040	50524	2935.0	273.01	7288.3	653418	24.231 ng/ml
Noroxycodone	2.829	987386	87335.7	47.40	11386.2	138670	234.746 ng/ml
O-desmethyl-tramadol	3.314	8967246	342448.1	6.19	13084.7	1543810	245.573 ng/ml
O-Desmethylvenlafaxine	4.023	2042040	7360.4	236.93	5101.8	260900	247.867 ng/ml
Olanzapine	4.562	2829478	30409.4	46.23	6051.1	236865	243.928 ng/ml
Oxycodone	2.746	2903996	∞	31.31	24604.6	464569	242.853 ng/ml
Phentermine	3.719	1225005	∞	11.03	4112.5	652926	233.704 ng/ml
Promethazine	5.521	6381776	264804.7	37.90	68618.9	1065659	253.436 ng/ml
Pseudoephedrine	2.494	9613766	∞	16.67	∞	1284439	253.224 ng/ml
Quetiapine	5.565	5162317	432927.8	62.01	9928645.0	256300	257.359 ng/ml
Sertraline	5.755	969858	237001.0	97.78	127333.8	145731	252.637 ng/ml
Temazepam	5.787	1714655	10824407.2	32.39	4686.5	325033	259.536 ng/ml
Tramadol	4.192	8240511	∞	3.30	∞	1463240	243.703 ng/ml
Trazodone	5.236	2336956	139639.7	140.05	∞	731448	211.557 ng/ml
Venlafaxine	5.003	5540525	87411.1	44.10	22496.7	1116196	241.800 ng/ml
Zolpidem	4.985	8418482	1308375.4	28.22	144559.9	1559100	256.145 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-G1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 11:58:33 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	127455	∞	135.54	681674.8	66745	48.973 ng/ml
7-aminoclonazepam	4.216	683328	240479.7	113.94	51973.3	85095	419.834 ng/ml
a-hydroxyalprazolam	5.655	105132	327.6	61.98	1086.3	18903	419.810 ng/ml
alpha-PHP	4.895	2560394	7623.6	258.99	∞	596659	509.353 ng/ml
alpha-PVP	4.321	8608956	1070692.9	52.60	136025.2	596659	511.170 ng/ml
Alprazolam	5.739	2458338	37897.2	93.56	8767.0	94267	553.222 ng/ml
Amphetamine	2.964	2897093	70757.4	264.16	106888.3	282547	352.620 ng/ml
Benzoylcegonine	3.817	270496	135651.8	42.53	12397.2	17357	525.599 ng/ml
Buprenorphine	5.918	502416	39056.8	15.65	12357.1	125057	49.539 ng/ml
Bupropion	4.751	8960176	736503.9	70.31	266934.1	554788	490.699 ng/ml
Carisoprodol	5.695	694810	2636423.7	60.60	31216.9	45581	510.820 ng/ml
Chlordiazepoxide	5.828	628679	15857.5	103.10	42224.6	274920	491.741 ng/ml
Chlorpheniramine	5.073	14896857	96254.0	0.31	2892.9	1135744	495.873 ng/ml
Citalopram	5.175	4737348	325057.5	42.58	112536.6	330404	509.847 ng/ml
Clonazepam	5.572	562768	119337.0	30.24	33692.1	18903	508.140 ng/ml
Clonazolam	5.503	1010261	89318.9	38.30	7315.3	43462	548.540 ng/ml
Cocaine	4.224	4859693	389485.6	49.54	783478.6	751450	498.440 ng/ml
Codeine	2.518	490538	15643.9	92.40	14921.1	37593	486.778 ng/ml
Cyclobenzaprine	5.595	4453175	933495.7	8.88	3692.7	297061	451.267 ng/ml
Dextromethorphan	5.218	3257206	162558.9	71.92	123208.4	249192	528.498 ng/ml
Dextrorphan	4.079	5317817	4520403.2	45.05	∞	489654	491.973 ng/ml
Diazepam	5.922	2516782	∞	84.62	∞	168416	513.326 ng/ml
Dihydrocodeine	2.457	1695920	1274.4	61.41	5520.1	312278	403.863 ng/ml
Diphenhydramine	5.271	18010600	324141.8	30.30	645693.5	1175208	515.441 ng/ml
Doxylamine	4.502	22075637	254909.7	92.95	491271.1	1372502	498.581 ng/ml
Duloxetine	5.636	477185	3152.7	10.41	3799.1	26351	496.877 ng/ml
EDDP	5.218	7058896	296792.6	46.63	313100.9	658232	498.485 ng/ml
Etizolam	5.785	379907	39196.7	393.18	12720.3	168416	496.738 ng/ml
Fentanyl	5.087	571421	19391.0	125.97	36312.4	455083	51.867 ng/ml
Flualprazolam	5.666	662545	∞	93.88	239549.6	43462	531.842 ng/ml
Fluorofentanyl	5.138	704952	751106.2	117.02	24724.8	6860	49.871 ng/ml
Fluoxetine	5.693	2880385	875433.2	6.90	380320.9	195377	484.294 ng/ml
Hydrocodone	2.956	2412731	∞	36.96	26181.2	269203	492.870 ng/ml



AM #28 Multi-Drug Quant. Results

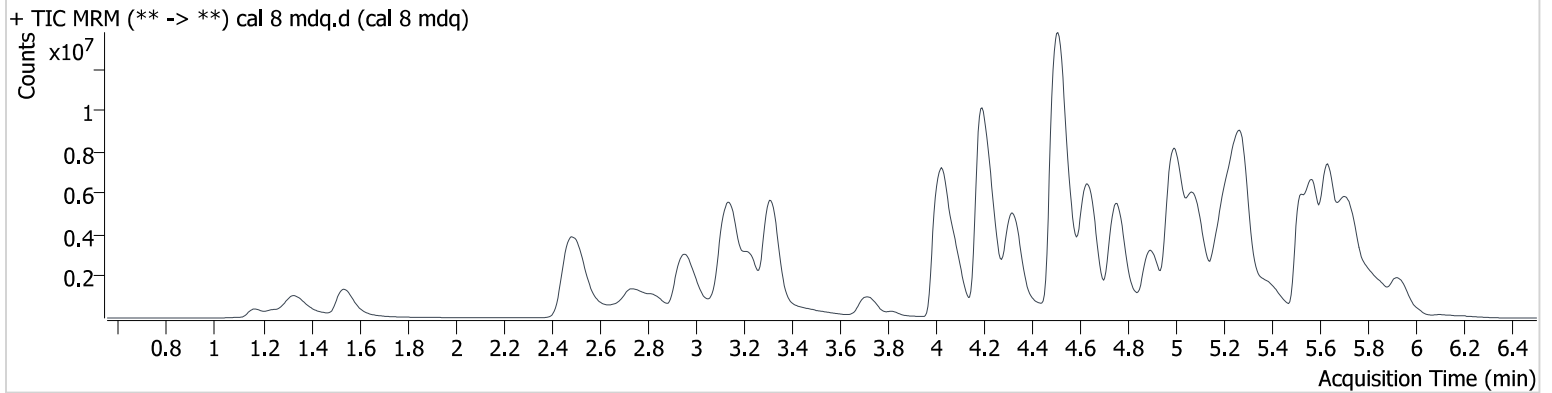
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.537	2604895	∞	73.00	∞	147618	499.937 ng/ml
Hydroxyzine	5.701	5100479	1488.2	120.59	204804.0	924371	518.331 ng/ml
Ketamine	4.020	4319670	430156.5	38.51	87216.4	346446	474.595 ng/ml
Lamotrigine	4.254	244475	42395.3	93.49	174505.2	195377	522.323 ng/ml
Lorazepam	5.713	156285	∞	46.91	∞	25457	669.661 ng/ml
MDA	3.111	2834860	34794.0	29.27	24262.6	191454	372.076 ng/ml
MDMA	3.228	4362631	1134898.3	105.81	198436.1	99567	489.139 ng/ml
Meprobamate	4.844	1184911	36363.3	31.75	36345.2	95019	403.159 ng/ml
Methadone	5.635	12079098	151095.8	46.27	256800.8	756892	490.248 ng/ml
Methamphetamine	3.148	10478633	∞	38.03	∞	1145282	425.950 ng/ml
Metoprolol	4.278	1019022	299657.7	97.16	∞	191454	478.446 ng/ml
Mirtazapine	4.631	12187094	38569420.0	46.71	758637.5	563452	492.861 ng/ml
Mitragynine	5.215	1015022	13497.2	31.23	∞	924371	467.127 ng/ml
Morphine	1.166	463344	7247533.5	20.94	123957437.2	11429	496.646 ng/ml
Norbuprenorphine	4.947	51419	3161.2	96.53	105198.1	15635	48.593 ng/ml
Nordiazepam	5.871	744578	52799.2	61.39	284676.8	43462	514.604 ng/ml
Norfentanyl	4.040	60108	10191.7	267.65	52562.8	400969	47.048 ng/ml
Noroxycodone	2.834	1397052	∞	47.55	∞	83700	549.841 ng/ml
O-desmethyl-tramadol	3.314	15217240	396403.2	6.00	52731.9	1287527	499.793 ng/ml
O-Desmethylvenlafaxine	4.023	2903491	3566.7	239.59	44384.2	188843	487.226 ng/ml
Olanzapine	4.564	4598220	3823.4	46.97	28731.8	182921	512.588 ng/ml
Oxycodone	2.741	4420960	273367.3	29.80	∞	372595	462.325 ng/ml
Phentermine	3.719	1867423	∞	10.81	9598.8	563452	413.809 ng/ml
Promethazine	5.521	10519899	743147.4	35.31	268922.9	851544	522.364 ng/ml
Pseudoephedrine	2.496	13990835	∞	16.62	∞	924371	511.922 ng/ml
Quetiapine	5.565	7154631	∞	63.65	19960896.4	187509	487.237 ng/ml
Sertraline	5.755	1198247	162128.8	99.50	229178.1	92117	493.833 ng/ml
Temazepam	5.792	1784275	∞	31.17	5438.7	176278	498.103 ng/ml
Tramadol	4.187	13150587	∞	3.19	∞	1243927	458.190 ng/ml
Trazodone	5.252	2967675	∞	142.04	∞	557843	353.754 ng/ml
Venlafaxine	5.007	7914977	386551.7	42.11	73520.4	770674	499.276 ng/ml
Zolpidem	4.980	13479936	595492.2	28.37	218276.3	1334996	479.701 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\060623\QuantResults\mdq.batch.bin
Calibration Last Update 6/13/2023 11:23:47 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-H1 **Comment**
Injection Volume 3
Acq. Date-Time 6/6/2023 12:16:00 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.077	201027	854390.8	136.56	2553878.6	54385	94.865 ng/ml
7-aminoclonazepam	4.221	515454	70711.7	113.74	57173.4	39991	674.305 ng/ml
a-hydroxyalprazolam	5.666	98450	1217.7	62.60	701.6	7581	981.243 ng/ml
alpha-PHP	4.895	3717000	∞	258.58	218605.1	438288	1006.437 ng/ml
alpha-PVP	4.321	12843909	491008.8	52.20	1025892.2	438288	1037.902 ng/ml
Alprazolam	5.739	2354668	79303.4	96.33	9264.5	59854	834.669 ng/ml
Amphetamine	2.964	3494452	169720.6	258.63	255952.8	236648	509.523 ng/ml
Benzoylcegonine	3.817	495090	46496.8	44.06	42005.7	16380	1021.834 ng/ml
Buprenorphine	5.923	791269	37638.4	15.91	8741.4	101314	96.381 ng/ml
Bupropion	4.756	13863329	9063578.6	68.20	289750.7	449071	938.258 ng/ml
Carisoprodol	5.700	625881	867334.7	61.62	17100.8	21854	959.857 ng/ml
Chlordiazepoxide	5.833	731832	45407.1	97.40	12303.2	182914	861.191 ng/ml
Chlorpheniramine	5.073	22844010	∞	0.28	6431.1	835863	1033.326 ng/ml
Citalopram	5.170	5822973	119220.0	42.84	696704.8	207960	996.105 ng/ml
Clonazepam	5.577	417607	16121.0	31.79	2101913.6	7581	940.160 ng/ml
Clonazolam	5.497	1039584	13611.7	35.32	9264.0	22506	1088.923 ng/ml
Cocaine	4.231	6469080	401161.4	49.31	135979.5	496664	1003.829 ng/ml
Codeine	2.513	631784	11371.5	94.31	∞	26063	904.611 ng/ml
Cyclobenzaprine	5.595	5280127	8602647.1	8.40	∞	163235	973.813 ng/ml
Dextromethorphan	5.218	4013114	∞	62.02	∞	142937	1134.715 ng/ml
Dextrorphan	4.080	7698428	472171.2	44.55	370807.3	341329	1020.947 ng/ml
Diazepam	5.927	3213675	1206469601	84.57	∞	111819	986.946 ng/ml
			38791.0				
Dihydrocodeine	2.447	2495823	1668.2	61.73	20561.4	258411	719.350 ng/ml
Diphenhydramine	5.276	23165096	265562.2	29.93	186544.7	746606	1043.227 ng/ml
Doxylamine	4.507	31152644	3484438.7	97.20	561677.7	1091594	885.040 ng/ml
Duloxetine	5.641	448443	1438.6	10.43	219.5	11592	1061.541 ng/ml
EDDP	5.213	11734327	781928.6	42.43	90197.6	533128	1023.358 ng/ml
Etizolam	5.790	515194	1215365.3	388.42	29064.4	111819	1014.848 ng/ml
Fentanyl	5.093	735743	10279.2	129.97	24585.0	279993	108.493 ng/ml
Flualprazolam	5.671	675658	13295.9	96.83	26749.6	22506	1046.674 ng/ml
Fluorofentanyl	5.138	1108072	1363599.3	112.29	24428.3	5018	107.119 ng/ml
Fluoxetine	5.693	3048225	106189.8	6.78	191992.8	99326	1008.348 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.951	3848876	∞	37.93	∞	219587	964.318 ng/ml
Hydromorphone	1.537	3930724	5295.2	72.57	∞	112311	991.508 ng/ml
Hydroxyzine	5.701	6095348	259003.8	119.89	835254.6	600037	954.110 ng/ml
Ketamine	4.020	5252939	330683.9	38.59	56819.1	245320	815.556 ng/ml
Lamotrigine	4.254	234084	10509.0	93.25	875200.1	99326	982.870 ng/ml
Lorazepam	5.713	176182	∞	49.00	11584.1	13786	1393.056 ng/ml
MDA	3.101	3003735	125593.3	29.26	78702.5	117254	644.122 ng/ml
MDMA	3.223	6408002	326643.1	97.39	609299.2	67493	1059.308 ng/ml
Meprobamate	4.844	1400976	222853.0	31.69	36668.2	64542	702.670 ng/ml
Methadone	5.630	17582713	230032.3	45.48	657199.4	549458	983.110 ng/ml
Methamphetamine	3.143	14060401	∞	37.64	∞	976484	678.535 ng/ml
Metoprolol	4.278	1212949	608735.1	96.87	∞	117254	929.542 ng/ml
Mirtazapine	4.635	17576008	329562.6	46.98	998707.4	445065	899.912 ng/ml
Mitragynine	5.215	1228163	30873.9	36.94	20426.9	600037	872.650 ng/ml
Morphine	1.166	679573	∞	21.27	3041169.1	8741	952.113 ng/ml
Norbuprenorphine	4.942	66153	164938.2	96.06	63711.4	9932	98.575 ng/ml
Nordiazepam	5.876	760341	43592.6	60.90	15587.3	22506	1014.982 ng/ml
Norfentanyl	4.040	60493	4956.6	279.60	7643.1	234918	80.872 ng/ml
Noroxycodone	2.834	1834473	∞	46.94	∞	52870	1142.677 ng/ml
O-desmethyl-tramadol	3.314	22953012	701435.8	5.79	882661.4	957348	1013.977 ng/ml
O-Desmethylvenlafaxine	4.023	3706155	30918.3	236.92	164562.2	120295	976.642 ng/ml
Olanzapine	4.568	6777520	20949.6	47.19	20706.6	128075	1078.343 ng/ml
Oxycodone	2.726	5904045	32988.6	29.77	∞	276049	834.564 ng/ml
Phentermine	3.719	2596047	∞	10.35	14564.9	445065	729.252 ng/ml
Promethazine	5.521	15092767	∞	34.95	299838.3	609585	1046.469 ng/ml
Pseudoephedrine	2.491	18359129	∞	16.43	∞	600037	1034.719 ng/ml
Quetiapine	5.565	9203131	321975.3	60.63	∞	113540	1034.672 ng/ml
Sertraline	5.750	1380839	∞	96.55	326993.0	51059	1026.746 ng/ml
Temazepam	5.792	1741533	17709.0	32.70	6708.1	88244	971.313 ng/ml
Tramadol	4.187	18526896	∞	3.18	∞	827847	970.850 ng/ml
Trazodone	5.262	3501401	371548.4	140.19	285477.5	378022	617.579 ng/ml
Venlafaxine	5.012	9528488	233590.3	41.13	55372.2	455541	1015.866 ng/ml
Zolpidem	4.985	19735020	8459770.3	28.32	173724.2	1022990	917.229 ng/ml