














REVIEWED

By Tamara Salazar at 1:49 pm, Aug 08, 2023

**Worklist: 6457**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-1444	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1449	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1530	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1532	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1534	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1600	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1613	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1657	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1666	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1707	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-1726	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-2977	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQQ	
M2023-2977	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 7/31/23 Analyst: Anne Nord
Plate lot#: 230707 Item: IDP-121-5-CDA Plate re-test: 01/07/2024

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

Blank Blood Lot: 23C57106 **Urine Blank lot** 61423

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:

Codeine 5-500 cal 8 dropped due to accuracy
Etizolam not evaluated integration of peak tails inconsistent.
Lamotrigine 5-500 cal 8 dropped due to accuracy
Lorazepam 10-100 cal 1 dropped due to poor response and peak shape.
Methamphetamine 5-500 cal 8 dropped due to accuracy
Norfentanyl 0.5-25 cal 7 and 8 dropped due to accuracy
Olanzapine 5-500 cal 8 dropped due to accuracy
Phentermine not evaluated lowering ratios
Sertraline 5-100 cal 6,7 and 8 dropped due to poor peak shape (qualitative only)
Temazepam not evaluated integration of peak tails inconsistent.
Trazodone 5-500 cal 8 dropped due to accuracy

A urine sample was run in this batch, it was not included on the instrument worklist when the samples were run. It along with the positive and negative urine controls were injected the next day. The retention time for a few internal standards shifted due to this the urine was not evaluated in this batch.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	1532-1	negative blood	IS + Cal. 1	IS + QC_1						
B	IS + Cal. 2	IS + QC_2	1534-1	m2023-2297-3	IS + Cal. 2	IS + QC_2						
C	IS + Cal. 3	IS + QC 3	1600-1	negative urine	IS + Cal. 3	IS + QC 3						
D	IS + Cal. 4	IS + QC_4	1613-1	m2023-2297-2	IS + Cal. 4	IS + QC_4						
E	IS + Cal. 5	IS + QC_2	1666-1		IS + Cal. 5	IS + QC_2						
F	IS + Cal. 6	1444-1	1657-1		IS + Cal. 6							
G	IS + Cal. 7	1530-1	1707-1		IS + Cal. 7							
H	IS + Cal. 8	1449-1	1726-1		IS + Cal. 8							

blank in front

plate position 2

c2023-____-__

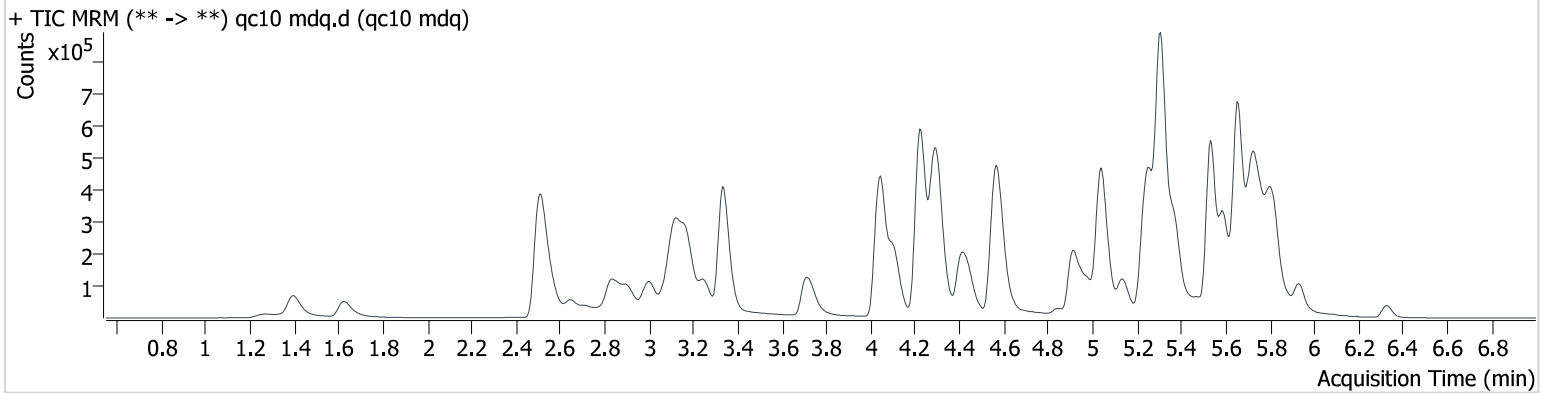
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-A2
Injection Volume 3
Acq. Date-Time 7/31/2023 3:53:47 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	3042	5841.0	142.91	24127.0	82898	0.990 ng/ml
7-aminoclonazepam	4.247	29884	2125.6	115.39	3913.3	141247	10.416 ng/ml
a-hydroxyalprazolam	5.683	3575	26582.3	58.53	3386.3	19011	8.922 ng/ml
alpha-PHP	5.055	46450	2307.8	258.87	19291.0	263894	10.387 ng/ml
alpha-PVP	4.449	153092	12661.3	54.85	13936.7	609229	10.352 ng/ml
Alprazolam	5.751	51982	1513.2	94.15	2900.0	201065	10.591 ng/ml
Amphetamine	2.994	77603	2211.1	269.99	∞	263894	10.573 ng/ml
Benzoylcegonine	3.827	3428	558.9	44.19	101.4	12087	10.729 ng/ml
Buprenorphine	6.341	8496	405.1	15.64	∞	117852	0.972 ng/ml
Bupropion	4.963	147494	∞	68.91	2020.7	717041	10.444 ng/ml
Carisoprodol	5.702	53533	73723.2	69.50	317.7	180612	10.447 ng/ml
Citalopram	5.234	135464	1602.8	39.19	34701.8	579410	10.940 ng/ml
Clonazepam	5.589	6594	2014.8	33.55	1074.3	10919	12.172 ng/ml
Clonazepam	5.525	12875	2206.4	35.54	3127.2	29115	9.801 ng/ml
Cocaine	4.292	138254	17753.1	47.84	7977.4	1068037	9.790 ng/ml
Codeine	2.717	20191	2063.6	90.61	2588.0	98466	10.611 ng/ml
Cyclobenzaprine	5.649	127606	1300.9	10.02	8239.3	431420	10.261 ng/ml
Dextromethorphan	5.277	97816	4417.1	75.00	6817.7	464636	10.230 ng/ml
Dextrophan	4.110	100153	3270.3	47.52	4066.4	472814	10.377 ng/ml
Diazepam	5.939	37714	∞	86.16	1433.6	160185	10.429 ng/ml
Dihydrocodeine	2.558	52318	1427.5	60.70	571.1	242939	10.670 ng/ml
Diphenhydramine	5.314	478015	13906.4	31.79	25659.4	2142057	9.648 ng/ml
Doxylamine	4.574	402390	9869.0	92.90	11413.8	1181094	10.501 ng/ml
Duloxetine	5.659	20890	201.2	9.46	382.5	59470	11.549 ng/ml
EDDP	5.251	115822	8984.0	43.46	74003.6	548094	10.308 ng/ml
Fentanyl	5.384	15102	20296.0	121.97	34301.6	744541	1.028 ng/ml
Fluorofentanyl	5.446	14963	6865.0	102.89	1434.3	7498	1.093 ng/ml
Fluoxetine	5.715	115886	8671.1	6.63	343.0	427387	10.131 ng/ml
Hydrocodone	3.124	45957	1404.0	40.67	∞	279101	9.746 ng/ml
Hydromorphone	1.643	40376	1029.3	72.26	734.0	139200	9.214 ng/ml
Hydroxyzine	5.827	171293	5472.7	116.00	15640.1	1171024	10.699 ng/ml
Ketamine	4.321	104747	40468.3	37.33	1105.8	392401	10.051 ng/ml
Lamotrigine	4.356	10143	687.7	89.63	2000.1	1171024	10.692 ng/ml



AM #28 Multi-Drug Quant. Results

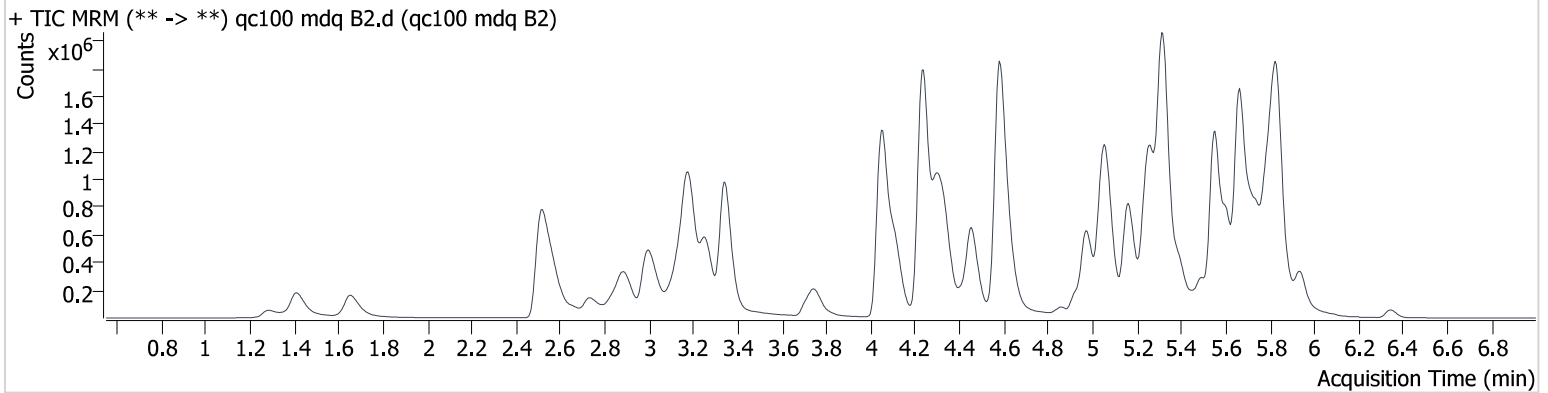
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.735	3459	∞	41.22	10.0	22172	10.148 ng/ml
MDA	3.161	104227	8216.2	28.20	∞	389870	10.648 ng/ml
MDMA	3.252	113508	6807.6	96.05	5701.3	118333	9.940 ng/ml
Meprobamate	4.866	11452	1420.9	48.25	2734.3	56103	10.296 ng/ml
Methadone	5.663	264591	9455.0	49.82	103507.4	1021076	9.931 ng/ml
Methamphetamine	3.177	307664	851076.8	32.99	5177.5	764016	11.743 ng/ml
Metoprolol	4.308	38042	42118.8	98.65	3027.2	389870	10.414 ng/ml
Mirtazapine	5.137	249979	18697.0	48.93	25348.7	445538	11.085 ng/ml
Mitragynine	5.477	56965	224176.6	25.62	13694.0	1171024	9.112 ng/ml
Morphine	1.277	8672	∞	17.86	2332.1	10310	9.245 ng/ml
Norbuprenorphine	5.010	2046	2718.8	99.76	3862.9	19839	1.666 ng/ml
Nordiazepam	5.883	9545	6622.2	62.54	15162.8	29115	10.899 ng/ml
Norfentanyl	4.061	2375	475.7	297.27	149.7	817855	1.161 ng/ml
Norhydrocodone	3.033	8977	∞	28.67	∞	115514	8.804 ng/ml
Noroxycodone	2.864	35726	∞	47.79	∞	117830	10.083 ng/ml
O-desmethyl-tramadol	3.344	272566	32866.3	6.94	2128.3	1114276	10.068 ng/ml
O-Desmethylvenlafaxine	4.048	79336	648.1	524.89	2752.2	259389	10.580 ng/ml
Olanzapine	5.043	90681	450.8	41.61	317.6	229698	10.332 ng/ml
Oxazepam	5.732	4185	206.3	71.67	∞	22172	9.216 ng/ml
Oxycodone	2.873	98321	2475.1	30.15	2240.8	356355	10.204 ng/ml
Oxymorphone	1.404	68387	∞	43.79	∞	257540	10.091 ng/ml
Promethazine	5.601	119156	∞	47.89	5517.7	689099	9.880 ng/ml
Pseudoephedrine	2.520	277962	16210.0	18.12	2239.9	1171024	10.341 ng/ml
Quetiapine	5.806	224264	84101.4	60.73	18918.6	286208	11.136 ng/ml
Sertraline	5.804	25776	98283.0	107.53	13963.2	112223	10.674 ng/ml
Tramadol	4.233	257828	∞	4.19	∞	1283160	10.241 ng/ml
Trazodone	5.776	137682	∞	140.53	∞	756958	10.799 ng/ml
Venlafaxine	5.039	201844	35013.4	38.14	12875.6	1067775	10.068 ng/ml
Zolpidem	5.543	316800	25078.6	31.45	∞	1402514	10.211 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument	69679	Data File	qc100 mdq B2.d
Type	QC	Sample	qc100 mdq B2
Acq. Method	mdqp1 72723.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	3		
Acq. Date-Time	7/31/2023 7:05:19 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	21315	69044.0	138.05	∞	54018	10.315 ng/ml
7-aminoclonazepam	4.247	212401	33987.9	110.47	19867.1	102772	104.707 ng/ml
a-hydroxyalprazolam	5.678	21464	∞	61.50	643.4	12338	84.681 ng/ml
alpha-PHP	5.070	373943	30892.1	250.50	382753.5	204037	111.682 ng/ml
alpha-PVP	4.459	1284454	2495190.2	55.05	83161.4	523578	106.535 ng/ml
Alprazolam	5.751	359601	∞	91.20	13727.5	144358	106.076 ng/ml
Amphetamine	2.999	562635	12398.9	268.33	50050.4	204037	109.248 ng/ml
Benzoylcegonine	3.822	31435	4333.7	40.96	590.3	10860	98.438 ng/ml
Buprenorphine	6.351	83066	15261.0	15.77	75370.8	107727	10.626 ng/ml
Bupropion	4.973	1246799	8247437.4	71.01	64170.9	605640	110.167 ng/ml
Carisoprodol	5.707	400618	5636741.3	59.94	9943.4	142537	97.988 ng/ml
Citalopram	5.239	988917	174554.0	38.85	∞	459244	102.744 ng/ml
Clonazepam	5.589	53174	22558.6	33.07	∞	8618	119.262 ng/ml
Clonazepam	5.525	98801	43402.3	40.11	23508.2	21260	116.934 ng/ml
Cocaine	4.297	1102053	170621.3	46.50	178445.7	855121	98.284 ng/ml
Codeine	2.732	159438	20217.4	91.34	14959.8	82712	106.570 ng/ml
Cyclobenzaprine	5.654	843441	136272.5	9.66	22570.1	286974	101.018 ng/ml
Dextromethorphan	5.282	745708	∞	74.90	698667.3	347651	98.551 ng/ml
Dextrophan	4.110	850580	∞	44.49	∞	401389	96.842 ng/ml
Diazepam	5.939	271089	5333.1	87.06	1973.5	120113	98.429 ng/ml
Dihydrocodeine	2.573	404083	8224.4	62.44	1455.1	188510	106.080 ng/ml
Diphenhydramine	5.320	3478302	338335.7	34.38	91675.6	1650752	88.783 ng/ml
Doxylamine	4.580	3559078	928841.3	93.61	∞	1090095	103.850 ng/ml
Duloxetine	5.664	105942	841.5	9.91	101.4	34173	101.912 ng/ml
EDDP	5.256	1226380	∞	40.96	∞	587067	102.072 ng/ml
Fentanyl	5.400	118012	782552.6	127.61	78756.5	618199	9.498 ng/ml
Fluorofentanyl	5.457	110062	8130.6	110.98	3582.2	5699	10.752 ng/ml
Fluoxetine	5.720	729097	∞	6.64	180299.5	272376	99.855 ng/ml
Hydrocodone	3.134	372765	∞	37.71	∞	225910	102.355 ng/ml
Hydromorphone	1.658	349401	4864.8	72.89	4324.5	117201	103.941 ng/ml
Hydroxyzine	5.837	1279618	834264.3	116.48	820.6	955240	98.595 ng/ml
Ketamine	4.341	799415	∞	37.59	16510.7	328499	90.917 ng/ml
Lamotrigine	4.361	65819	4970.1	93.66	7168.3	955240	88.949 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	26389	1000.2	42.75	∞	17611	97.632 ng/ml
MDA	3.156	637745	36910.8	30.79	∞	239261	110.037 ng/ml
MDMA	3.257	897791	257621.0	98.19	85747.9	93458	98.554 ng/ml
Meprobamate	4.866	100677	6908.4	48.02	6442.1	49216	105.185 ng/ml
Methadone	5.668	2030427	∞	48.92	35495.3	779047	98.789 ng/ml
Methamphetamine	3.182	1710789	6087.7	37.45	16530.5	646875	98.873 ng/ml
Metoprolol	4.314	256683	∞	97.60	∞	239261	109.593 ng/ml
Mirtazapine	5.163	1966266	561974.7	50.43	∞	371515	108.102 ng/ml
Mitragynine	5.493	478654	1039457.8	29.25	335234.3	955240	85.898 ng/ml
Morphine	1.287	77388	∞	16.97	∞	8879	99.188 ng/ml
Norbuprenorphine	5.010	9922	13474.3	102.71	∞	16191	10.992 ng/ml
Nordiazepam	5.883	70073	89021.9	61.58	∞	21260	106.927 ng/ml
Norfentanyl	4.066	16768	858.3	315.52	5720.4	662668	10.954 ng/ml
Norhydrocodone	3.033	90141	∞	28.89	∞	103866	94.277 ng/ml
Noroxycodone	2.864	275196	∞	45.75	∞	88085	108.117 ng/ml
O-desmethyl-tramadol	3.344	2349770	180092.5	6.31	48815.7	969380	101.363 ng/ml
O-Desmethylvenlafaxine	4.048	618801	17162.4	517.62	257021.1	213648	103.908 ng/ml
Olanzapine	5.063	622254	28954.3	43.92	15776.9	158353	111.276 ng/ml
Oxazepam	5.737	33205	3440.7	77.02	396.8	17611	94.900 ng/ml
Oxycodone	2.883	830293	249873.5	29.49	10443.6	292459	107.577 ng/ml
Oxymorphone	1.409	549665	∞	43.93	∞	205937	103.679 ng/ml
Promethazine	5.612	973189	640477.4	47.74	50196.5	527406	103.562 ng/ml
Pseudoephedrine	2.520	2246541	∞	17.43	133332.6	955240	104.008 ng/ml
Quetiapine	5.817	1578443	514730.7	59.86	458938.0	214135	115.697 ng/ml
Sertraline	5.809	122119	109274.6	103.73	97775.3	54028	98.327 ng/ml
Tramadol	4.238	2133557	∞	4.02	∞	1063499	106.687 ng/ml
Trazodone	5.786	910716	1126663.4	140.00	139338.8	553722	104.161 ng/ml
Venlafaxine	5.044	1667075	207024.0	36.14	20235.8	848246	96.700 ng/ml
Zolpidem	5.553	2578181	2410371.8	31.20	∞	1123471	103.539 ng/ml

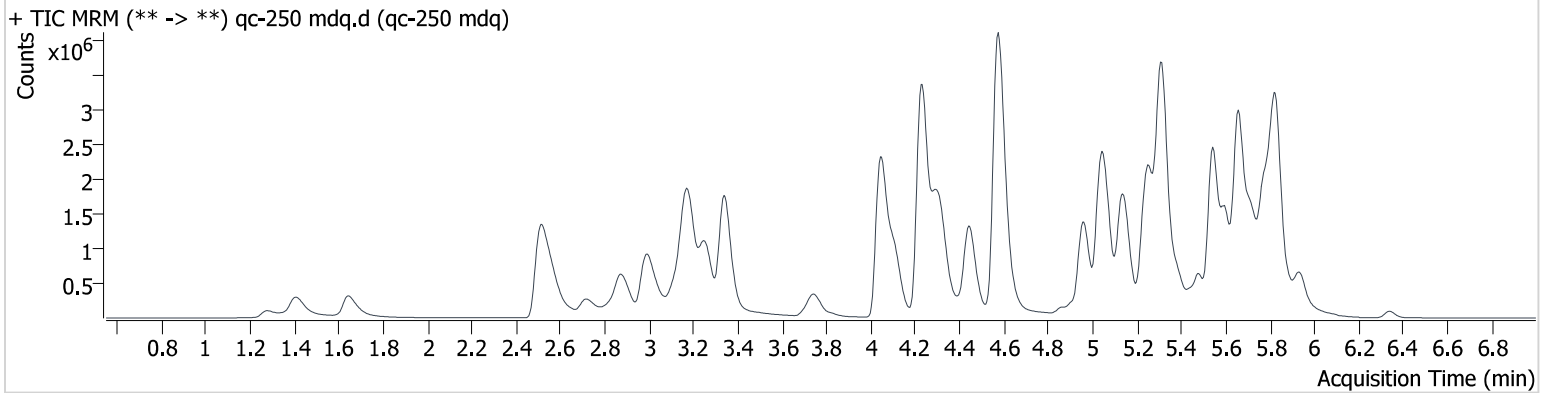
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-C2
Injection Volume 3
Acq. Date-Time 7/31/2023 4:02:29 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	38024	1093966.1	138.08	90598.3	36068	27.502 ng/ml
7-aminoclonazepam	4.247	378420	5461.1	108.98	82036.8	73714	260.587 ng/ml
a-hydroxyalprazolam	5.683	40084	2419.4	62.14	708.4	7199	271.607 ng/ml
alpha-PHP	5.060	759826	95493.9	248.91	1194706.1	179257	258.794 ng/ml
alpha-PVP	4.444	2812520	506051.1	54.64	320793.8	487471	251.398 ng/ml
Alprazolam	5.751	665624	∞	91.69	∞	109860	258.672 ng/ml
Amphetamine	2.994	1109018	48056.8	259.74	139910.2	179257	246.608 ng/ml
Benzoylcegonine	3.822	75412	8846.8	39.79	3673.4	10551	241.313 ng/ml
Buprenorphine	6.340	196886	5457.5	15.81	∞	106352	25.544 ng/ml
Bupropion	4.963	2838991	10183497.6	70.36	84448.9	600276	253.908 ng/ml
Carisoprodol	5.702	712043	∞	62.11	23878.7	98720	251.264 ng/ml
Citalopram	5.228	1963410	189713.5	39.77	439651.1	362336	258.913 ng/ml
Clonazepam	5.584	120287	13496.6	31.19	1837.6	7386	313.872 ng/ml
Clonazepam	5.525	203710	20256.6	37.38	3506.6	18058	285.947 ng/ml
Cocaine	4.292	2313620	163549.9	45.26	∞	718572	245.680 ng/ml
Codeine	2.717	321007	255564.2	89.14	15644.7	76953	231.565 ng/ml
Cyclobenzaprine	5.644	1822989	170172.0	9.31	26166.1	234610	266.895 ng/ml
Dextromethorphan	5.277	1546079	1191397.2	75.43	234015.5	294247	240.512 ng/ml
Dextrophan	4.110	1779554	57134.2	45.30	∞	329216	245.826 ng/ml
Diazepam	5.939	611866	8334.6	85.73	9842.7	107927	246.972 ng/ml
Dihydrocodeine	2.563	806854	3458.0	63.10	5112.2	153202	260.611 ng/ml
Diphenhydramine	5.314	8162558	844147.2	30.75	∞	1394042	246.226 ng/ml
Doxylamine	4.574	7998630	215094.9	94.55	∞	965590	264.061 ng/ml
Duloxetine	5.658	215858	2838.0	10.21	208.6	29075	244.049 ng/ml
EDDP	5.251	2334153	812583.8	45.80	26918464.2	458778	248.626 ng/ml
Fentanyl	5.384	322434	174097.7	122.68	∞	609057	26.303 ng/ml
Fluorofentanyl	5.446	270399	212.4	113.21	26386.4	6143	24.530 ng/ml
Fluoxetine	5.715	1796668	287841.9	6.71	166271.1	260891	256.870 ng/ml
Hydrocodone	3.124	783287	∞	39.96	15343.0	206167	236.350 ng/ml
Hydromorphone	1.648	719101	4340.8	72.19	5868.4	103693	243.110 ng/ml
Hydroxyzine	5.832	2637078	500371.1	117.41	56798.9	811906	239.166 ng/ml
Ketamine	4.326	1478135	∞	38.62	27979.7	218163	252.973 ng/ml
Lamotrigine	4.361	133735	5720.1	94.00	3946.8	811906	213.417 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Lorazepam	5.730	55051	∞	39.04	628.4	14068	254.993	ng/ml
MDA	3.151	1041473	4211154525 789660.0	29.24	∞	165612	260.196	ng/ml
MDMA	3.252	1913866	642566.2	95.24	133934.9	77120	254.428	ng/ml
Meprobamate	4.865	229309	17679.4	47.28	25985.9	48419	243.812	ng/ml
Methadone	5.663	4450411	∞	48.21	137925.6	696625	241.976	ng/ml
Methamphetamine	3.177	3690088	306399.8	35.10	39722.2	596124	236.656	ng/ml
Metoprolol	4.308	415264	563314.3	97.90	∞	165612	255.492	ng/ml
Mirtazapine	5.142	4313614	33640.1	50.26	255132.8	337781	261.431	ng/ml
Mitragynine	5.482	1123055	72088661.6	29.48	∞	811906	235.614	ng/ml
Morphine	1.282	158973	∞	17.51	∞	7115	254.812	ng/ml
Norbuprenorphine	5.005	20004	60515.2	99.24	17398.7	14039	25.850	ng/ml
Nordiazepam	5.883	147833	33006.2	66.02	545727.2	18058	265.158	ng/ml
Norfentanyl	4.061	29114	4192.6	296.08	2875.7	515243	24.594	ng/ml
Norhydrocodone	3.033	197619	∞	29.10	∞	93184	229.806	ng/ml
Noroxycodone	2.859	510475	∞	47.76	∞	72050	245.761	ng/ml
O-desmethyl-tramadol	3.343	5145017	746046.1	6.50	118240.2	876459	245.727	ng/ml
O-Desmethylvenlafaxine	4.043	1192229	821.4	518.71	32072.6	168383	254.649	ng/ml
Olanzapine	5.043	1564236	44477.1	44.26	38537.3	186491	238.591	ng/ml
Oxazepam	5.737	72471	∞	65.21	911.5	14068	259.835	ng/ml
Oxycodone	2.873	1696412	2175567.0	31.23	∞	271002	237.533	ng/ml
Oxymorphone	1.409	1114877	∞	43.53	∞	173465	250.005	ng/ml
Promethazine	5.601	2314300	4044468.3	48.16	310271.6	517219	250.851	ng/ml
Pseudoephedrine	2.515	4676772	∞	17.54	∞	811906	254.996	ng/ml
Quetiapine	5.811	2772913	242340.0	59.91	3984415.3	164794	265.775	ng/ml
Sertraline	5.804	259514	∞	102.33	242073.6	37803	297.090	ng/ml
Tramadol	4.228	4529871	∞	3.99	828400.3	939893	256.995	ng/ml
Trazodone	5.770	1795809	40312.6	139.25	41359.4	440098	259.617	ng/ml
Venlafaxine	5.039	3300765	127520.0	36.64	15581.4	674955	239.358	ng/ml
Zolpidem	5.543	5522828	1048598.7	30.60	272217.7	1001544	248.766	ng/ml

AM #28 Multi-Drug Quant. Results

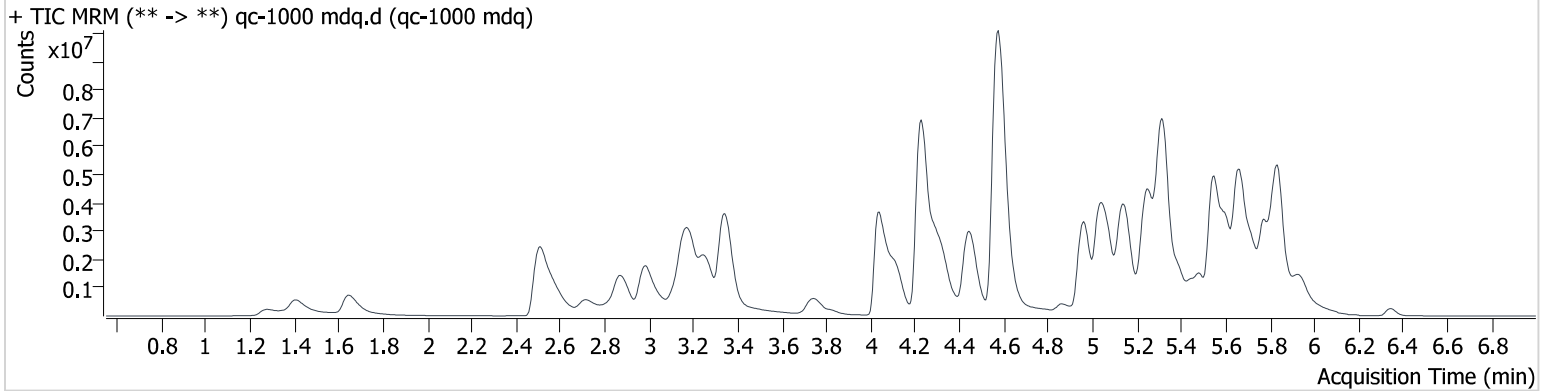
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Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-D2
Injection Volume 3
Acq. Date-Time 7/31/2023 4:11:11 PM
Sample Info.

Data File qc-1000 mdq.d
Sample qc-1000 mdq
Operator Anne Nord
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	62349	14717430.9	140.08	142859.6	14471	112.291 ng/ml
7-aminoclonazepam	4.252	484375	48367.6	105.94	119388.1	28834	853.483 ng/ml
a-hydroxyalprazolam	5.688	72132	12189.4	57.33	656.6	2992	1177.031 ng/ml
alpha-PHP	5.065	1592490	82938.1	251.75	130389.3	101502	958.908 ng/ml
alpha-PVP	4.444	7398530	2044327.6	53.06	172039.2	375560	859.891 ng/ml
Alprazolam	5.746	1191584	38141.8	90.93	∞	52873	963.441 ng/ml
Amphetamine	2.989	2214803	92398.3	251.57	169635.5	101502	872.816 ng/ml
Benzoylcegonine	3.822	280060	717475.9	40.83	10408.9	9377	1004.516 ng/ml
Buprenorphine	6.346	684947	232193.5	15.91	119040.4	95264	99.276 ng/ml
Bupropion	4.963	7548566	217588.9	67.12	450126.2	488802	830.498 ng/ml
Carisoprodol	5.702	1078393	5117416.1	60.61	∞	37408	1003.875 ng/ml
Citalopram	5.223	3499754	208118.5	39.69	178664.3	175843	951.615 ng/ml
Clonazepam	5.584	226421	∞	32.87	27812.0	3845	1133.526 ng/ml
Clonazepam	5.520	399143	43274.5	36.38	21611.2	10947	927.489 ng/ml
Cocaine	4.287	4967963	213008.1	45.84	3277248.9	390276	971.573 ng/ml
Codeine	2.711	727248	30876.7	91.70	61434.7	57106	708.611 ng/ml
Cyclobenzaprine	5.638	2738853	264198.4	9.59	41305.7	90684	1037.080 ng/ml
Dextromethorphan	5.277	2727279	601475.4	74.99	751679.8	122382	1018.066 ng/ml
Dextrophan	4.110	3962411	428837.2	45.10	336302.2	183613	979.103 ng/ml
Diazepam	5.939	1389681	17430.7	84.82	17581.9	61632	981.731 ng/ml
Dihydrocodeine	2.563	1811706	1331.9	60.90	2777.5	92083	973.544 ng/ml
Diphenhydramine	5.320	17489548	338956.4	28.01	∞	738952	994.445 ng/ml
Doxylamine	4.574	22769011	587360.4	95.18	∞	744700	975.650 ng/ml
Duloxetine	5.669	252596	2648.6	10.45	614.6	8669	957.785 ng/ml
EDDP	5.251	7424432	355804.7	42.90	∞	348446	1041.293 ng/ml
Fentanyl	5.389	1029997	79829.9	127.94	2149625.1	492743	103.797 ng/ml
Fluorofentanyl	5.446	777161	1821825.6	106.95	552920.2	4023	107.730 ng/ml
Fluoxetine	5.715	3296058	109556.1	6.64	615795.9	121111	1015.066 ng/ml
Hydrocodone	3.119	1980813	7536.5	39.11	∞	147960	834.135 ng/ml
Hydromorphone	1.648	1861733	3793.9	71.94	∞	73744	887.655 ng/ml
Hydroxyzine	5.837	5703391	2137.7	116.72	96024.0	456040	921.115 ng/ml
Ketamine	4.331	2692562	354569.8	37.93	28088.0	87863	1143.892 ng/ml
Lamotrigine	4.366	225020	789489.7	95.31	6046.8	456040	640.422 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	134258	∞	41.45	652.8	9044	967.302 ng/ml
MDA	3.141	1234024	45826.5	29.08	∞	59938	852.837 ng/ml
MDMA	3.252	4024242	835120.9	94.08	199004.7	43963	938.164 ng/ml
Meprobamate	4.865	726130	84526.5	43.75	39939.7	37833	988.747 ng/ml
Methadone	5.663	10258600	∞	47.86	544582.0	408619	950.559 ng/ml
Methamphetamine	3.177	7504249	1907927.0	35.25	151390.6	404433	717.182 ng/ml
Metoprolol	4.308	565035	402003.2	100.54	∞	59938	959.192 ng/ml
Mirtazapine	5.142	10218845	364257.6	49.56	176445.5	239771	873.463 ng/ml
Mitragynine	5.482	2739814	∞	33.18	∞	456040	1020.488 ng/ml
Morphine	1.277	382671	∞	19.07	∞	5295	825.050 ng/ml
Norbuprenorphine	5.000	39504	38705.3	100.57	90778.4	7017	102.777 ng/ml
Nordiazepam	5.883	322537	∞	59.67	5837908.9	10947	953.535 ng/ml
Norfentanyl	4.066	31096	4591.3	350.02	4103.6	236261	57.432 ng/ml
Norhydrocodone	3.033	465913	∞	30.40	∞	58879	856.374 ng/ml
Noroxycodone	2.854	1131208	∞	46.28	∞	45211	869.045 ng/ml
O-desmethyl-tramadol	3.344	13582011	2152164.1	6.27	894180.2	600363	947.507 ng/ml
O-Desmethylvenlafaxine	4.033	2049169	38348.7	530.15	∞	79372	929.690 ng/ml
Olanzapine	5.038	3587441	41245.5	45.03	19280.1	148310	689.830 ng/ml
Oxazepam	5.732	181457	248586.1	68.80	21564.0	9044	1012.822 ng/ml
Oxycodone	2.873	5169581	∞	28.90	∞	199268	985.299 ng/ml
Oxymorphone	1.404	2571561	∞	43.45	∞	107803	928.570 ng/ml
Promethazine	5.607	5765845	9503350.2	42.96	1002369.0	297963	1084.211 ng/ml
Pseudoephedrine	2.511	10163403	∞	17.09	158487.3	456040	987.072 ng/ml
Quetiapine	5.811	4341376	447181.9	58.62	1497732.4	81518	844.009 ng/ml
Sertraline	5.809	348085	∞	109.21	∞	13068	1150.566 ng/ml
Tramadol	4.228	10799400	∞	3.70	5469.7	624838	922.890 ng/ml
Trazodone	5.770	2334855	1156113.8	138.10	3418516.5	205172	725.490 ng/ml
Venlafaxine	5.028	6727041	644870.4	35.48	41571.1	340163	965.353 ng/ml
Zolpidem	5.548	12935545	649616.3	29.86	334601.4	575143	1014.565 ng/ml

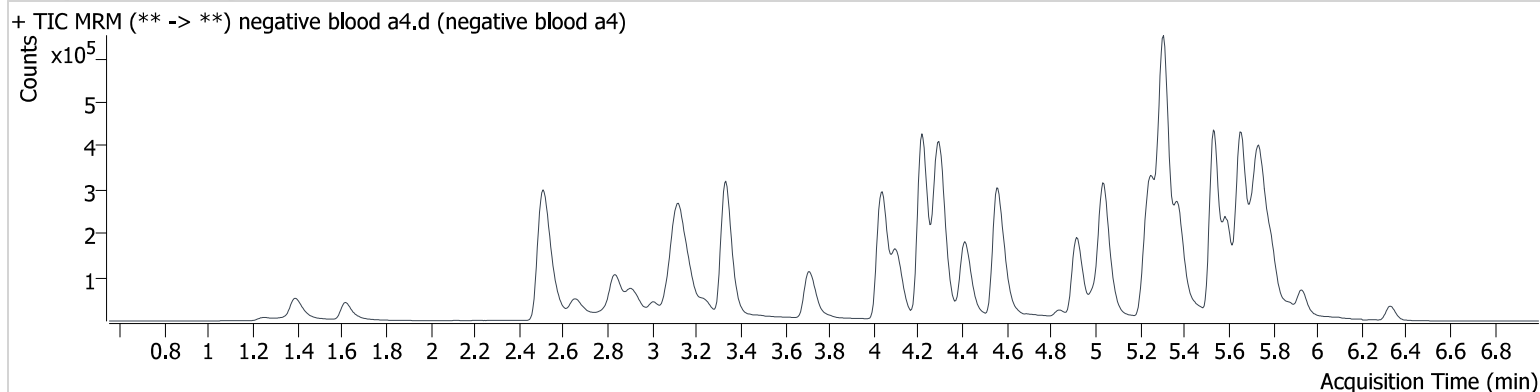
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Sample
Acq. Method mdqp1 72723.m
Sample Position P2-A4
Injection Volume 3
Acq. Date-Time 7/31/2023 4:37:19 PM
Sample Info.

Data File negative blood a4.d
Sample negative blood a4
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram

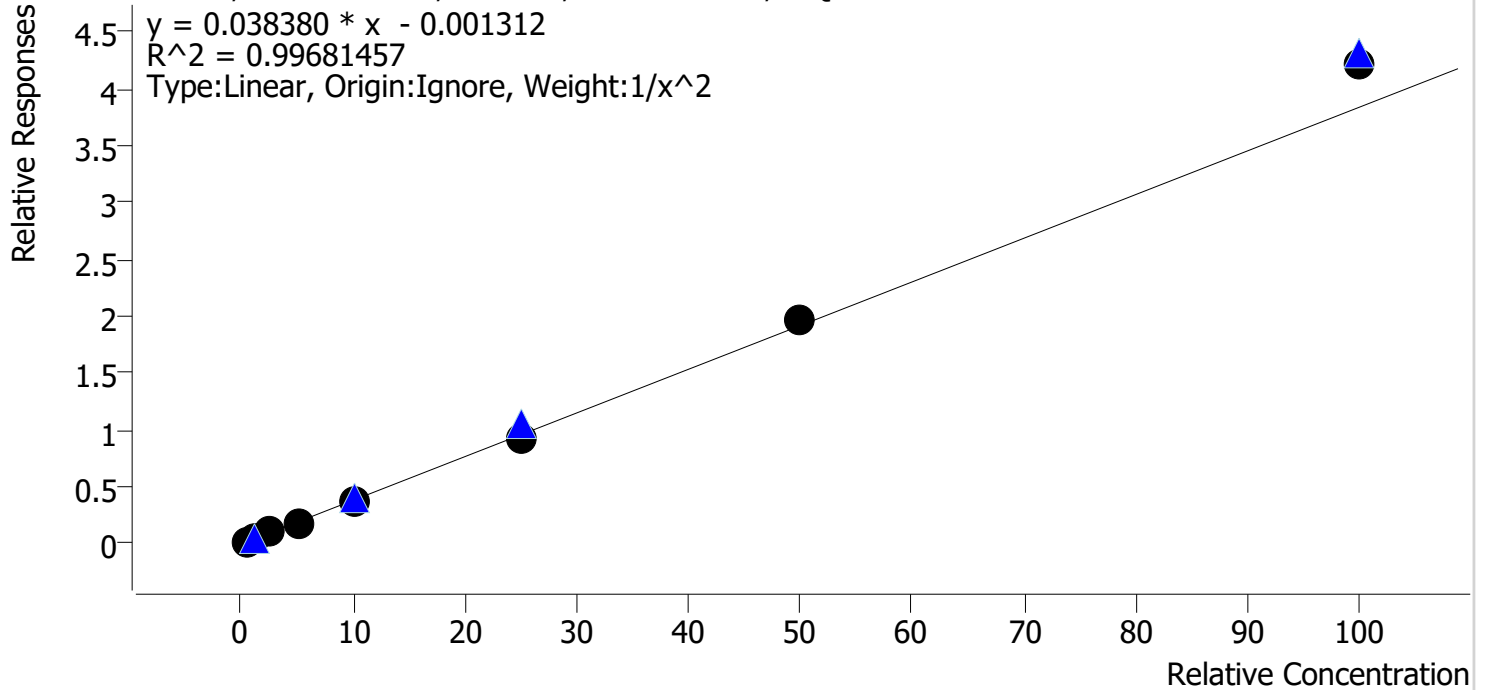


Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
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



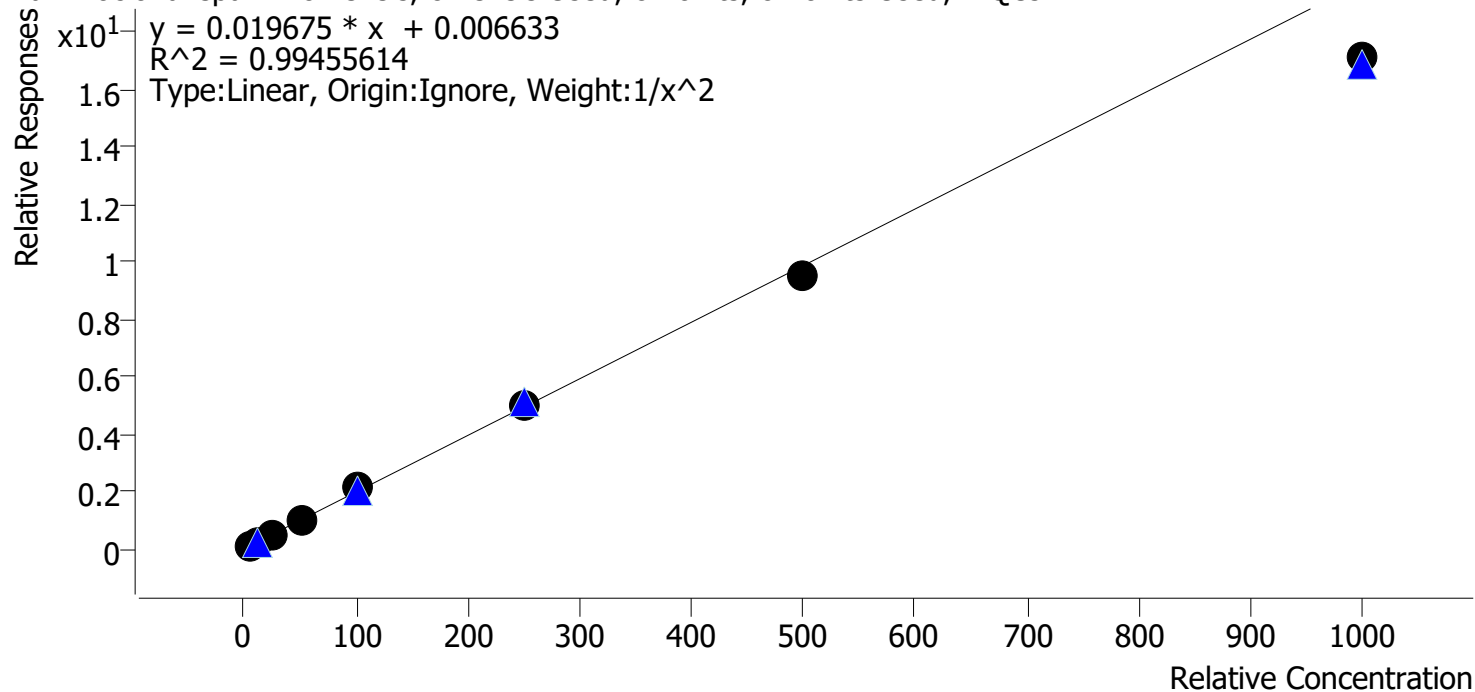
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cal 1 mdq	1	✓	0.5	0.5	102.0
cal 2 mdq	2	✓	1.0	1.0	97.5
cal 3 mdq	3	✓	2.5	2.5	99.9
cal 4 mdq	4	✓	5.0	4.7	94.2
cal 5 mdq	5	✓	10.0	9.7	96.5
cal 6 mdq	6	✓	25.0	24.4	97.5
cal 7 mdq	7	✓	50.0	51.1	102.2
cal 8 mdq	8	✓	100.0	110.1	110.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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

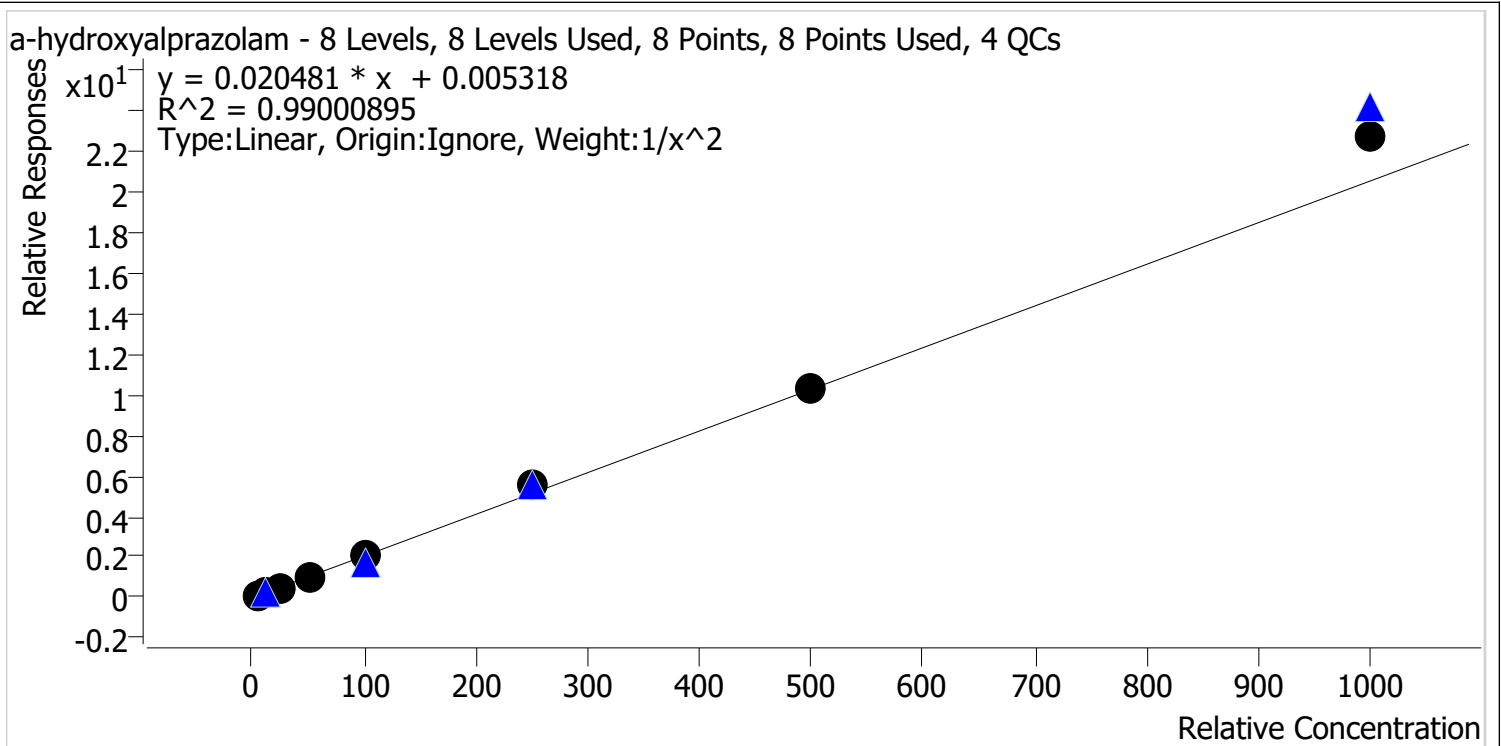


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	107.8	107.8
cal 6 mdq	6	✓	250.0	255.6	102.2
cal 7 mdq	7	✓	500.0	483.6	96.7
cal 8 mdq	8	✓	1000.0	867.6	86.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



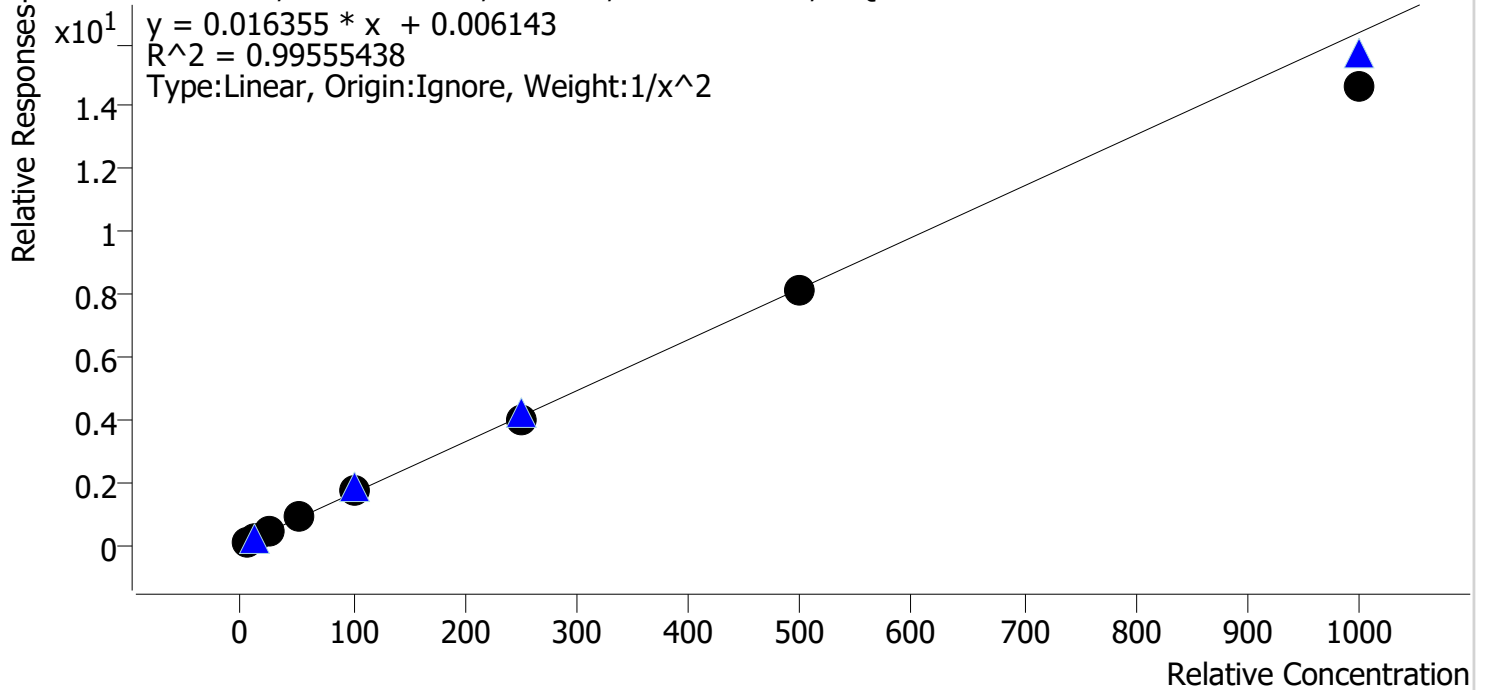
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.8
cal 2 mdq	2	✓	10.0	8.9	88.7
cal 3 mdq	3	✓	25.0	23.2	92.7
cal 4 mdq	4	✓	50.0	45.4	90.8
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	273.2	109.3
cal 7 mdq	7	✓	500.0	503.6	100.7
cal 8 mdq	8	✓	1000.0	1107.7	110.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** Amphetamine-D11

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



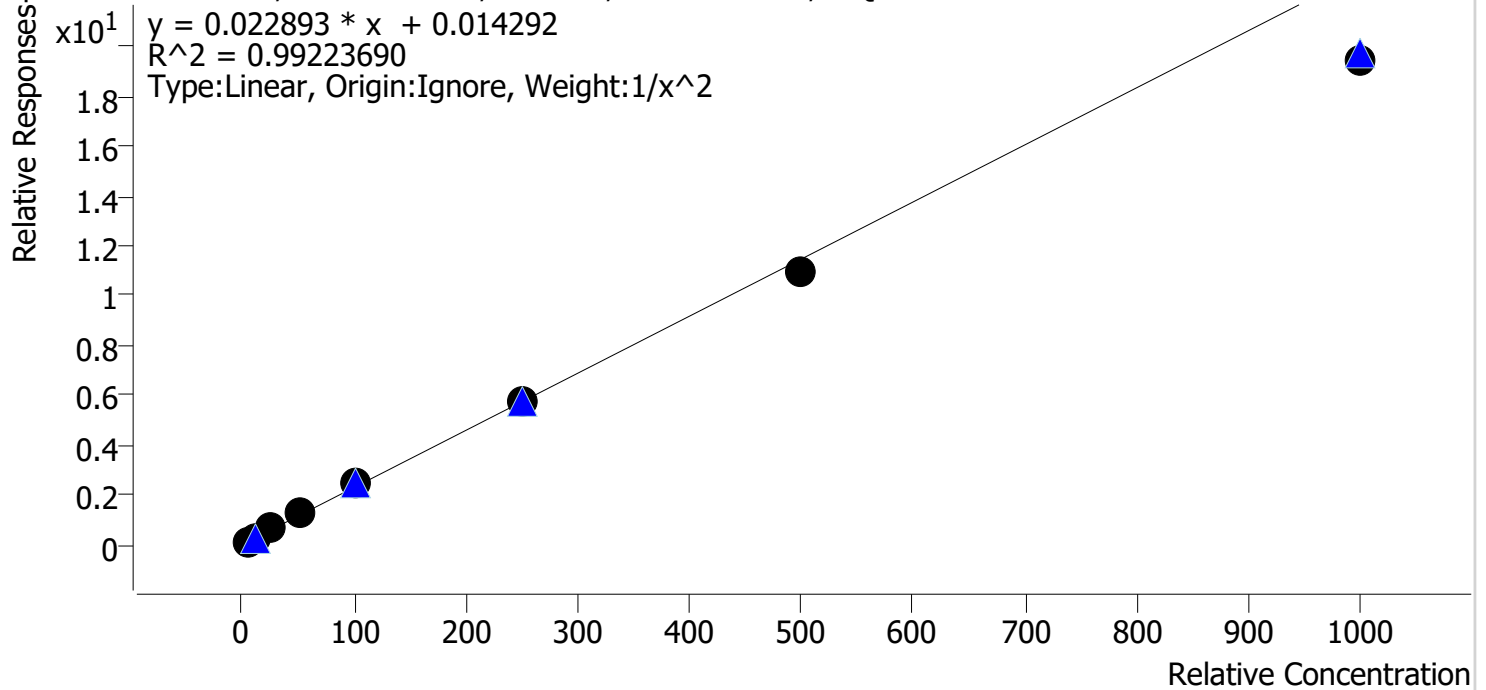
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	54.4	108.7
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	244.1	97.6
cal 7 mdq	7	✓	500.0	493.1	98.6
cal 8 mdq	8	✓	1000.0	892.5	89.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

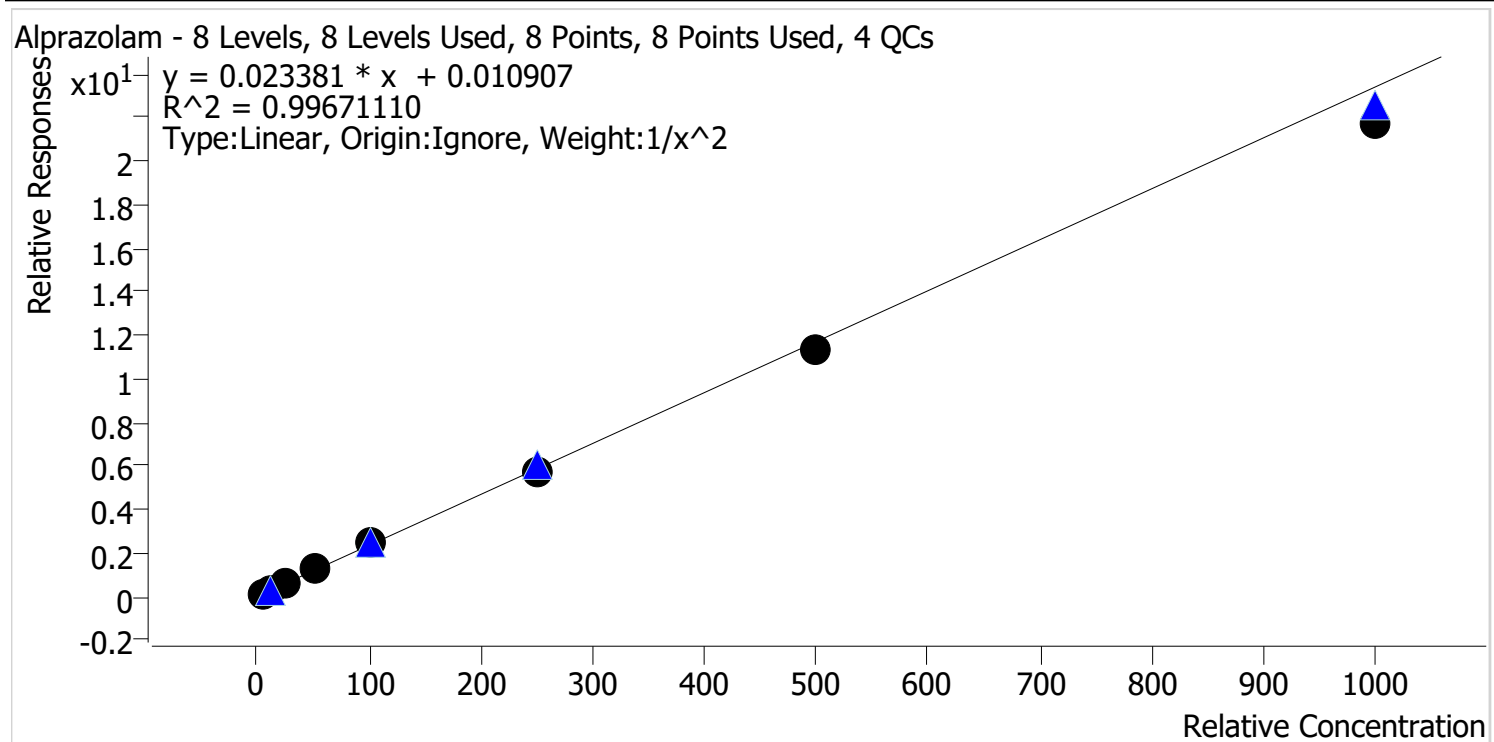


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	26.9	107.8
cal 4 mdq	4	✓	50.0	53.7	107.4
cal 5 mdq	5	✓	100.0	106.1	106.1
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	476.8	95.4
cal 8 mdq	8	✓	1000.0	849.2	84.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



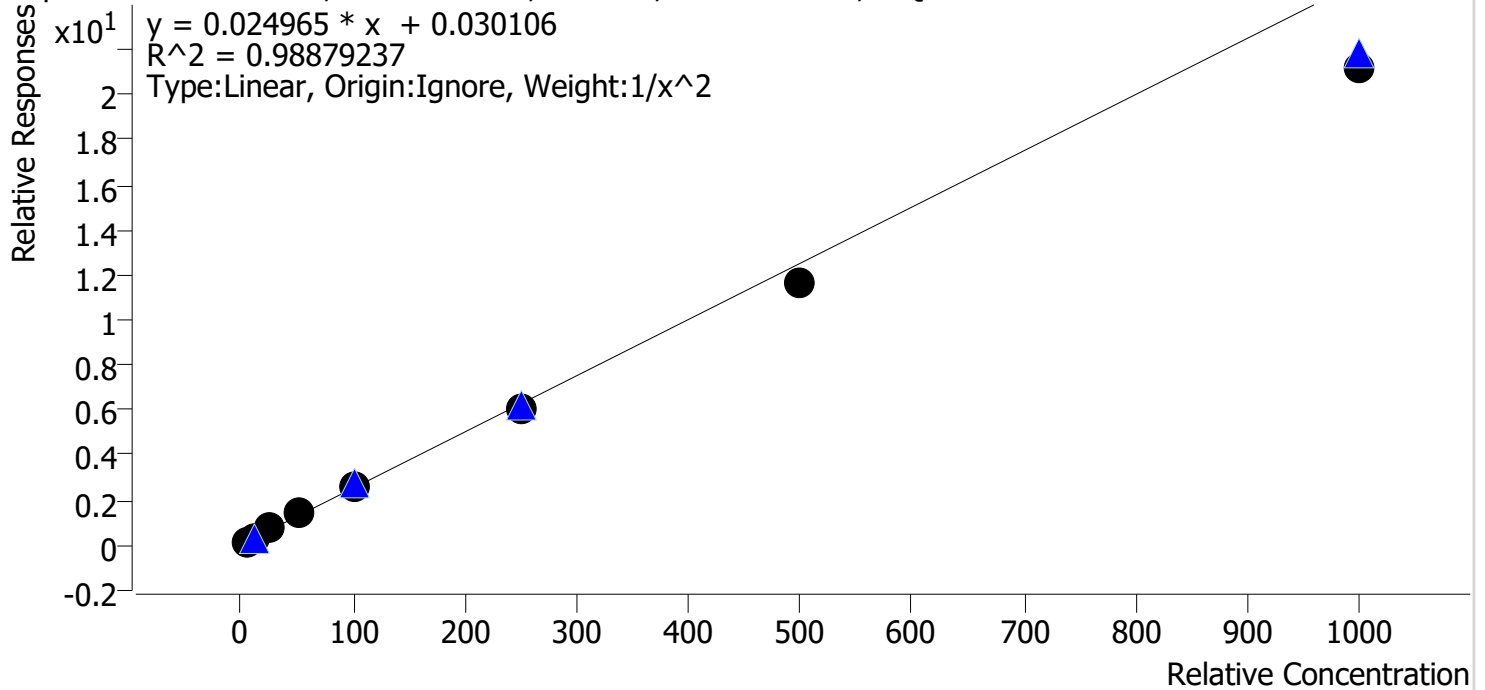
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	241.0	96.4
cal 7 mdq	7	✓	500.0	482.7	96.5
cal 8 mdq	8	✓	1000.0	926.8	92.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



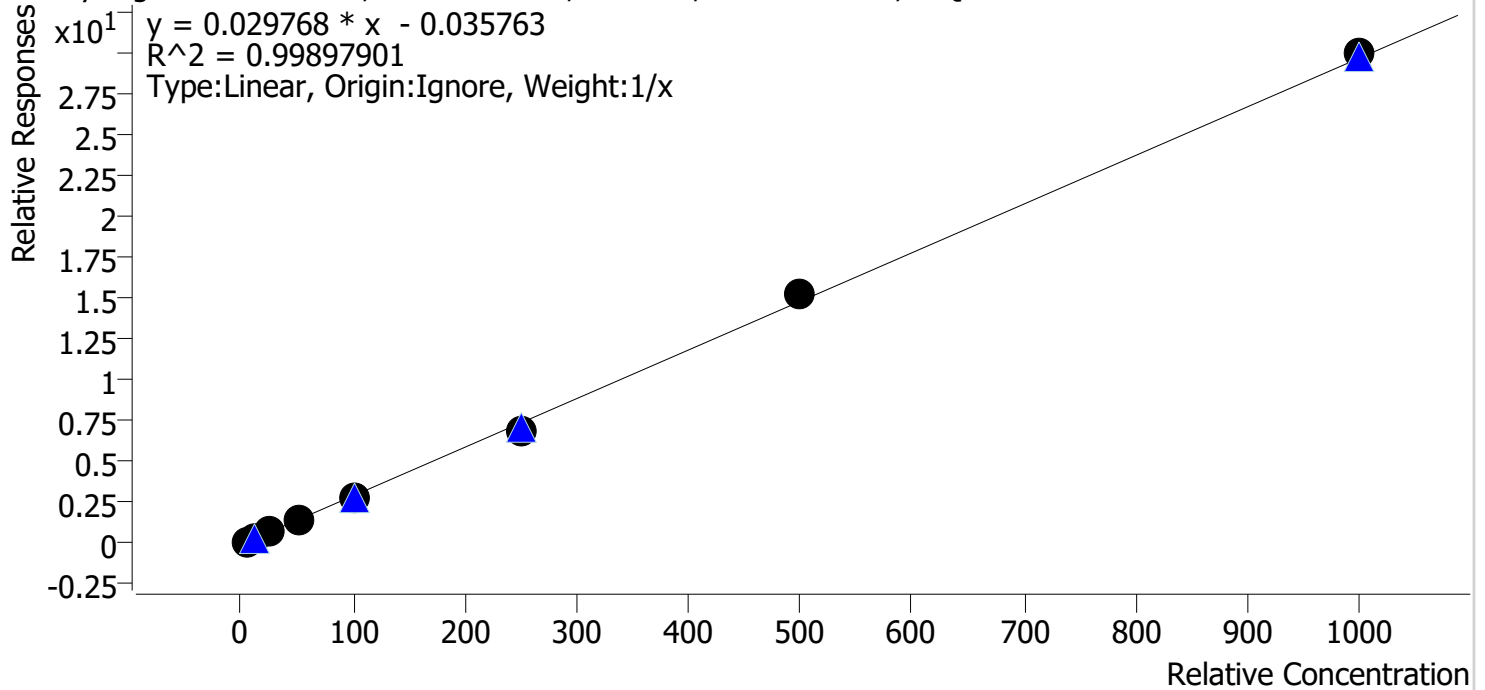
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.6
cal 2 mdq	2	✓	10.0	10.4	103.9
cal 3 mdq	3	✓	25.0	28.1	112.3
cal 4 mdq	4	✓	50.0	55.4	110.9
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	243.1	97.2
cal 7 mdq	7	✓	500.0	466.4	93.3
cal 8 mdq	8	✓	1000.0	850.5	85.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



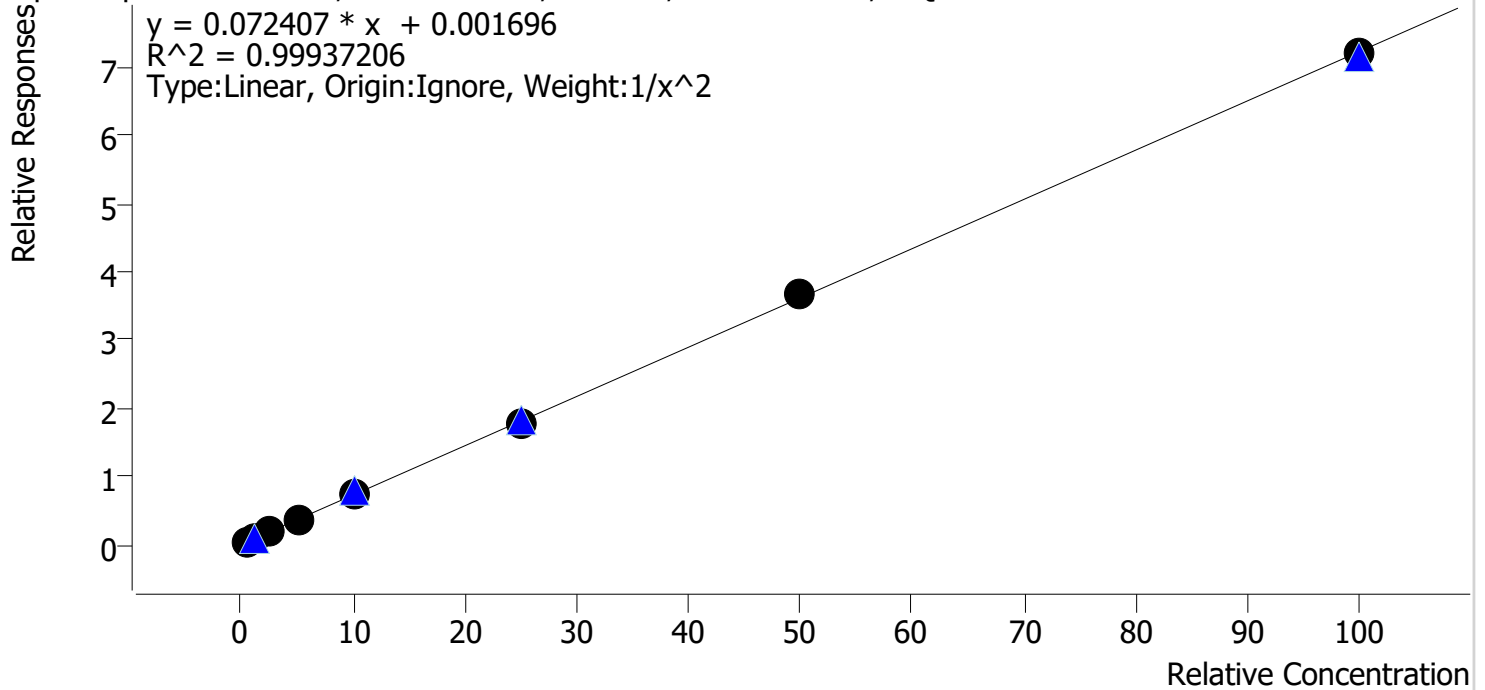
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	112.7
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	23.6	94.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	96.4	96.4
cal 6 mdq	6	✓	250.0	233.2	93.3
cal 7 mdq	7	✓	500.0	512.1	102.4
cal 8 mdq	8	✓	1000.0	1009.5	101.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



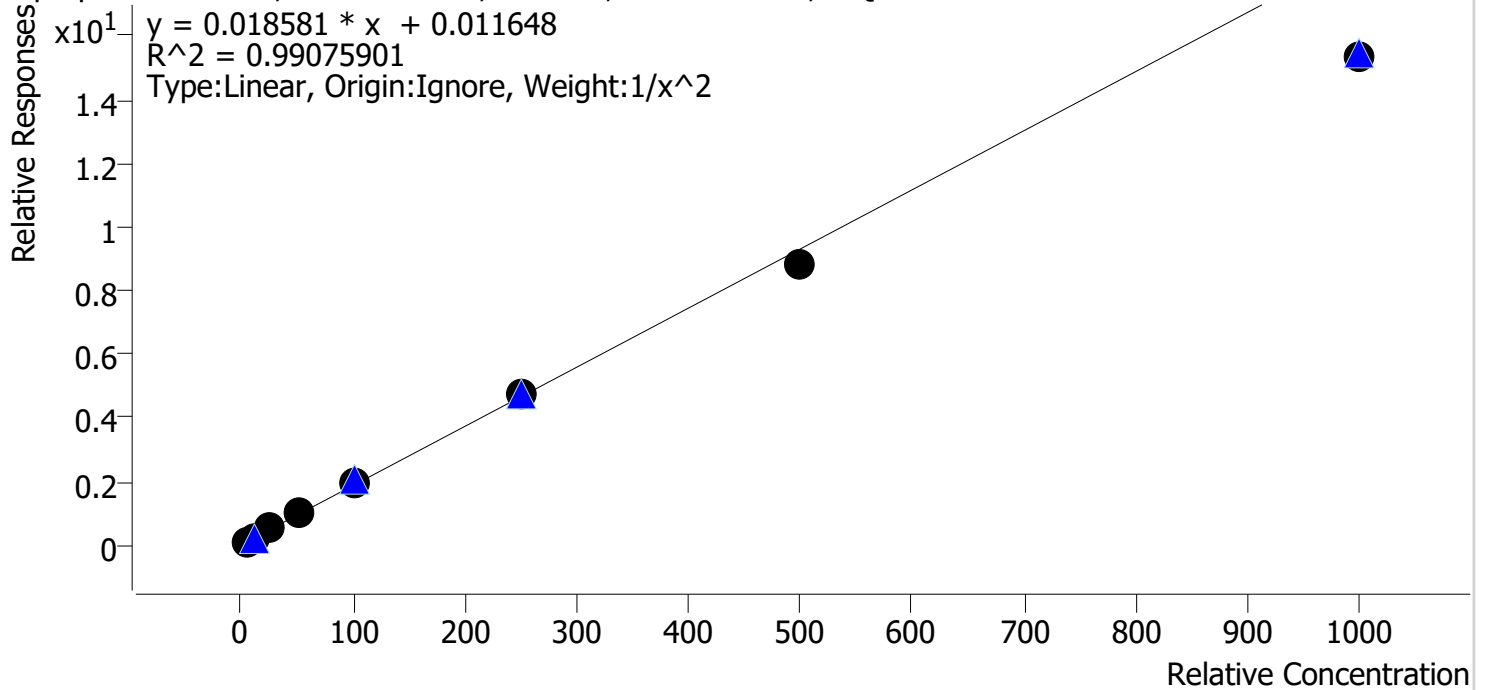
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.4
cal 2 mdq	2	✓	1.0	1.0	97.7
cal 3 mdq	3	✓	2.5	2.4	97.2
cal 4 mdq	4	✓	5.0	5.1	102.7
cal 5 mdq	5	✓	10.0	10.2	102.4
cal 6 mdq	6	✓	25.0	24.5	98.0
cal 7 mdq	7	✓	50.0	50.5	101.1
cal 8 mdq	8	✓	100.0	99.6	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



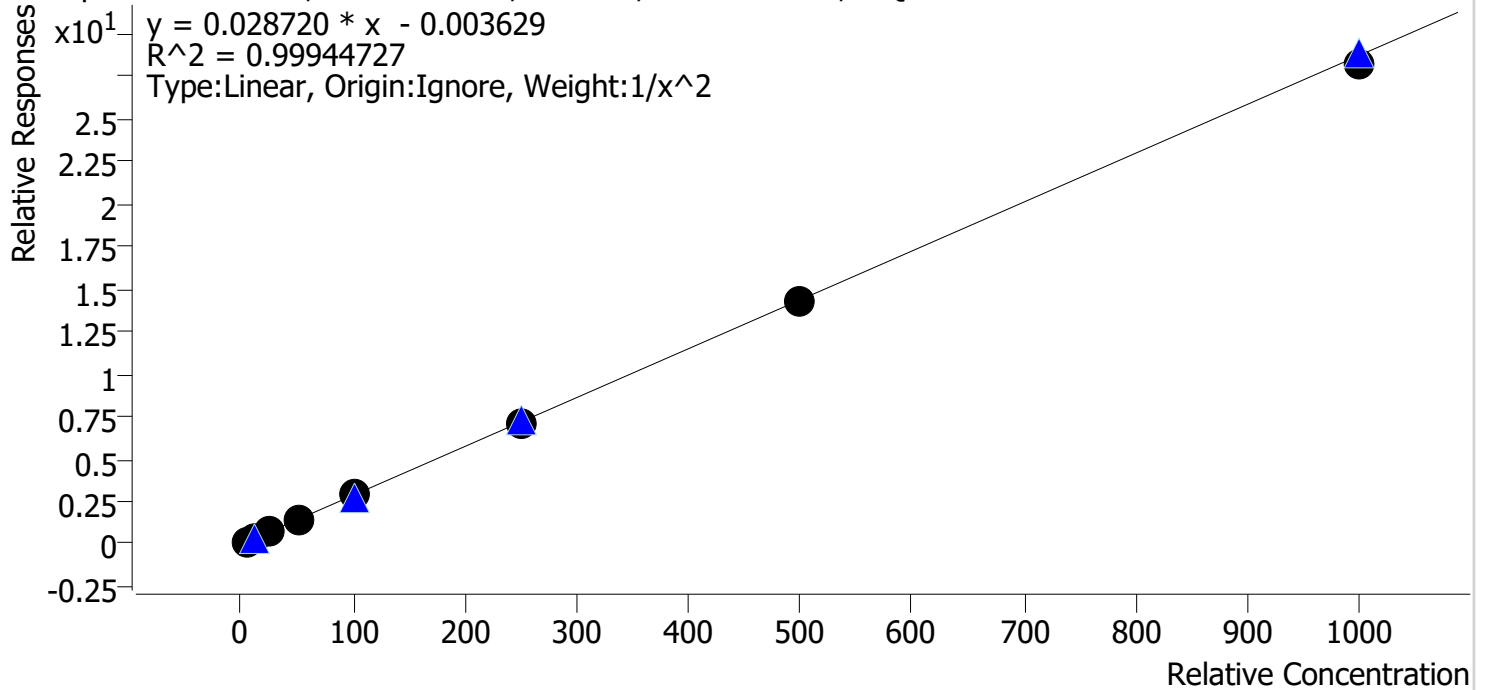
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.8
cal 2 mdq	2	✓	10.0	10.4	103.9
cal 3 mdq	3	✓	25.0	26.6	106.4
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	105.8	105.8
cal 6 mdq	6	✓	250.0	255.9	102.3
cal 7 mdq	7	✓	500.0	476.7	95.3
cal 8 mdq	8	✓	1000.0	827.4	82.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



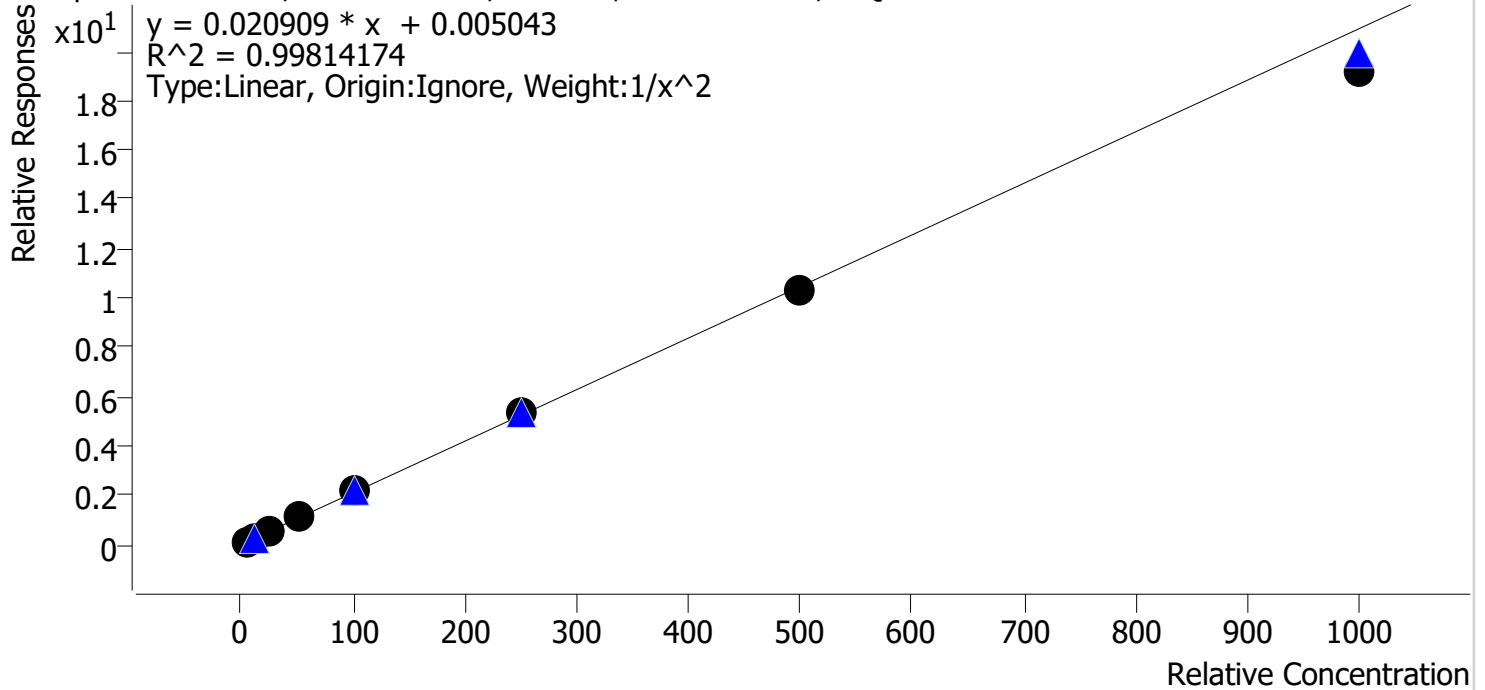
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	49.2	98.3
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	494.7	98.9
cal 8 mdq	8	✓	1000.0	980.1	98.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



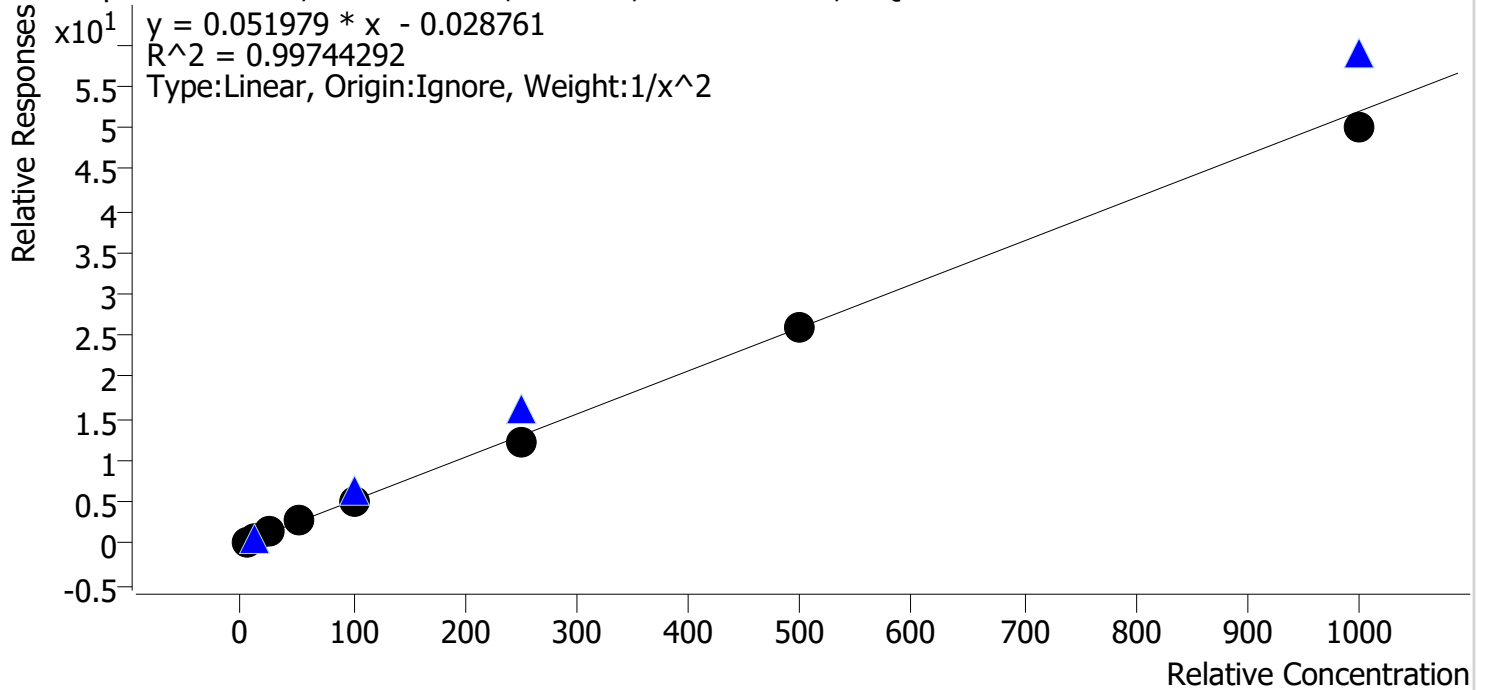
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	254.9	102.0
cal 7 mdq	7	✓	500.0	494.7	98.9
cal 8 mdq	8	✓	1000.0	917.9	91.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
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	4.8	96.5
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	238.2	95.3
cal 7 mdq	7	✓	500.0	499.5	99.9
cal 8 mdq	8	✓	1000.0	959.6	96.0

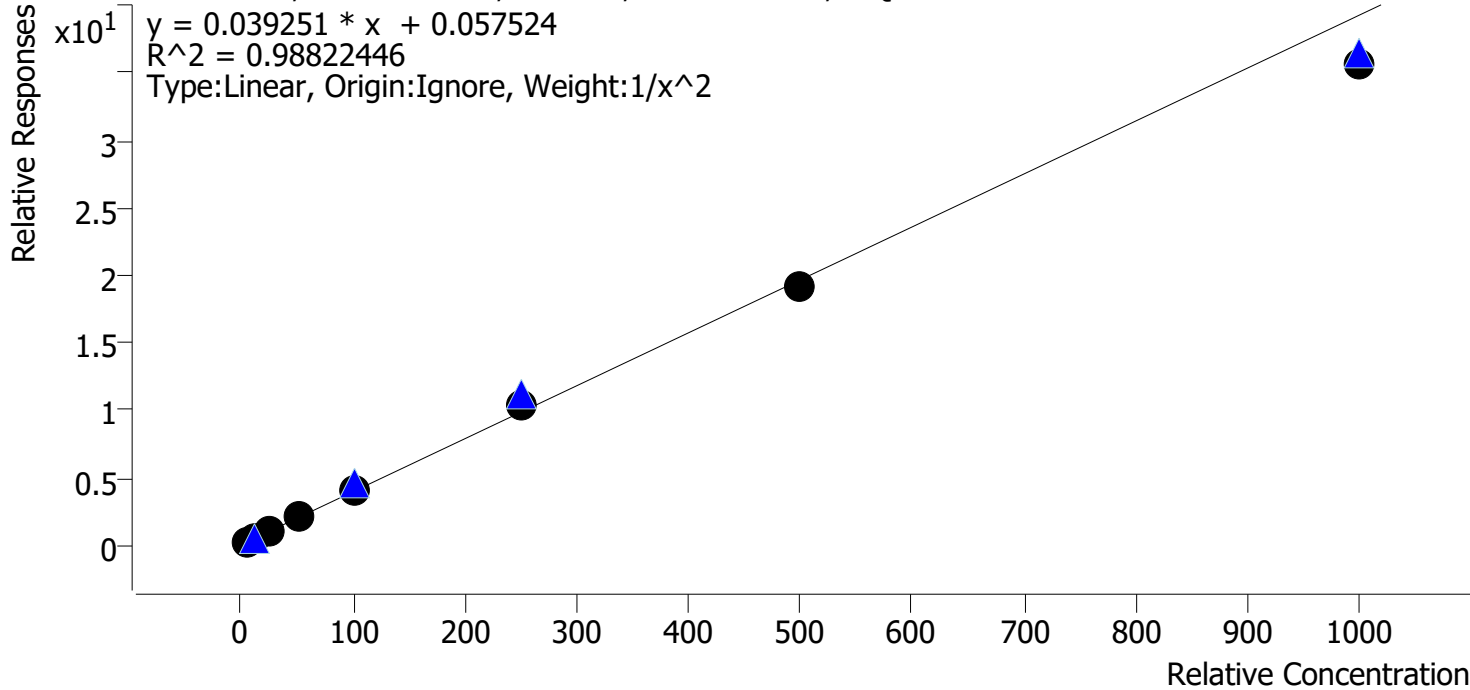
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Clonazolam

Internal Standard Nordiazepam-D5

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



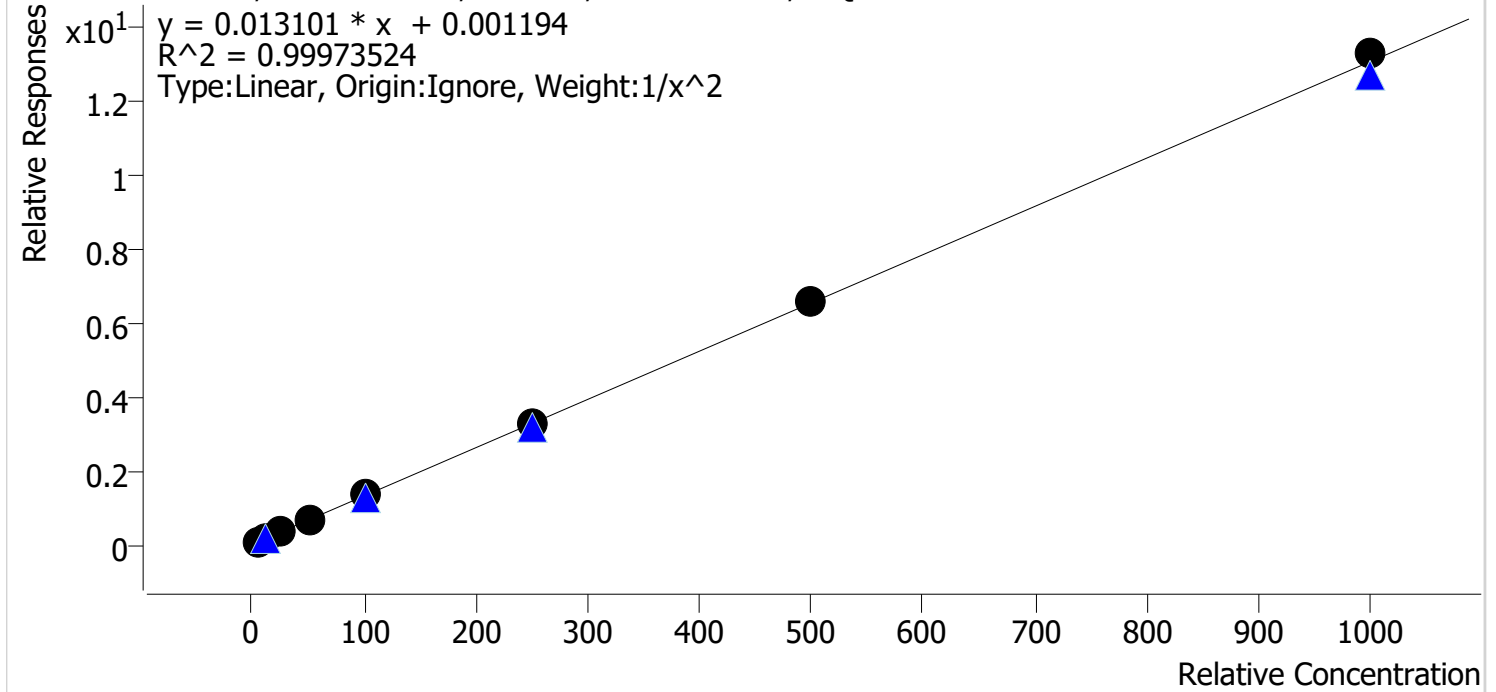
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.6
cal 2 mdq	2	✓	10.0	8.2	81.6
cal 3 mdq	3	✓	25.0	27.4	109.4
cal 4 mdq	4	✓	50.0	52.2	104.4
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	262.7	105.1
cal 7 mdq	7	✓	500.0	485.9	97.2
cal 8 mdq	8	✓	1000.0	909.1	90.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



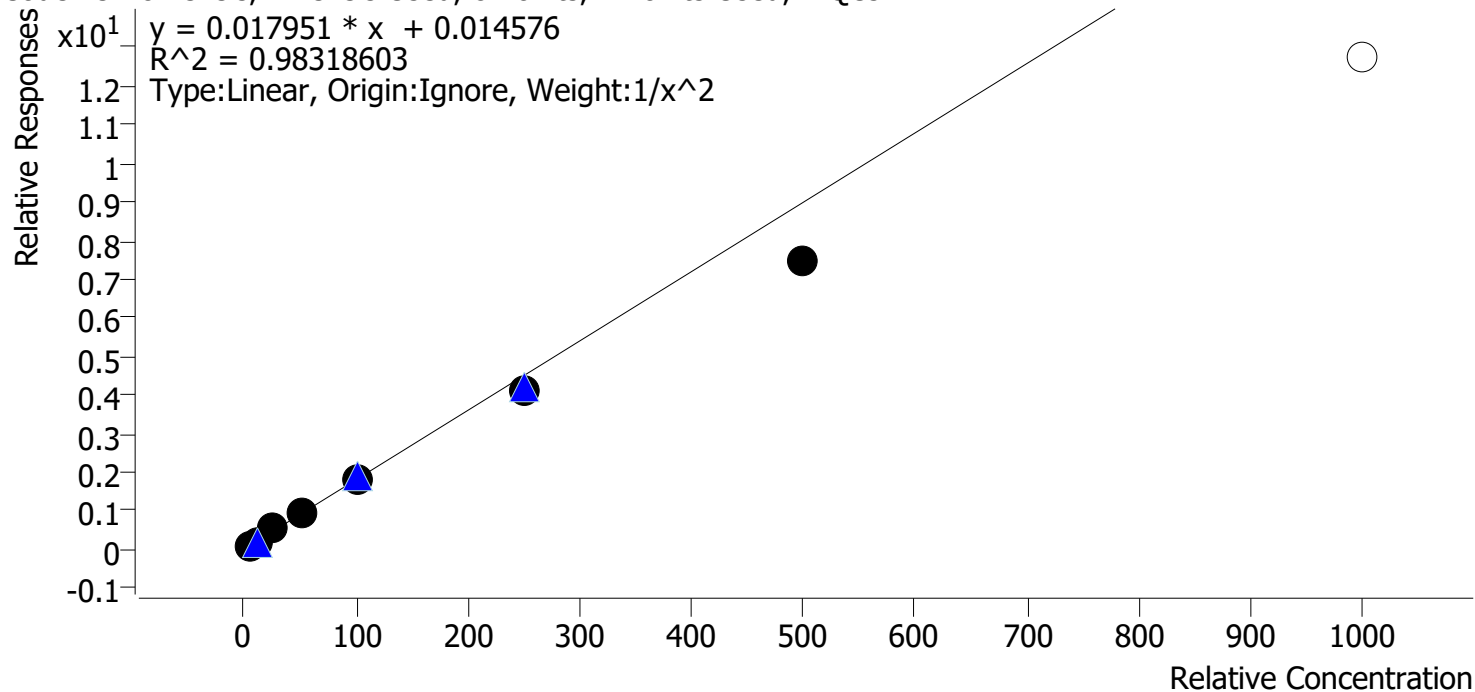
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	249.1	99.7
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	1016.7	101.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



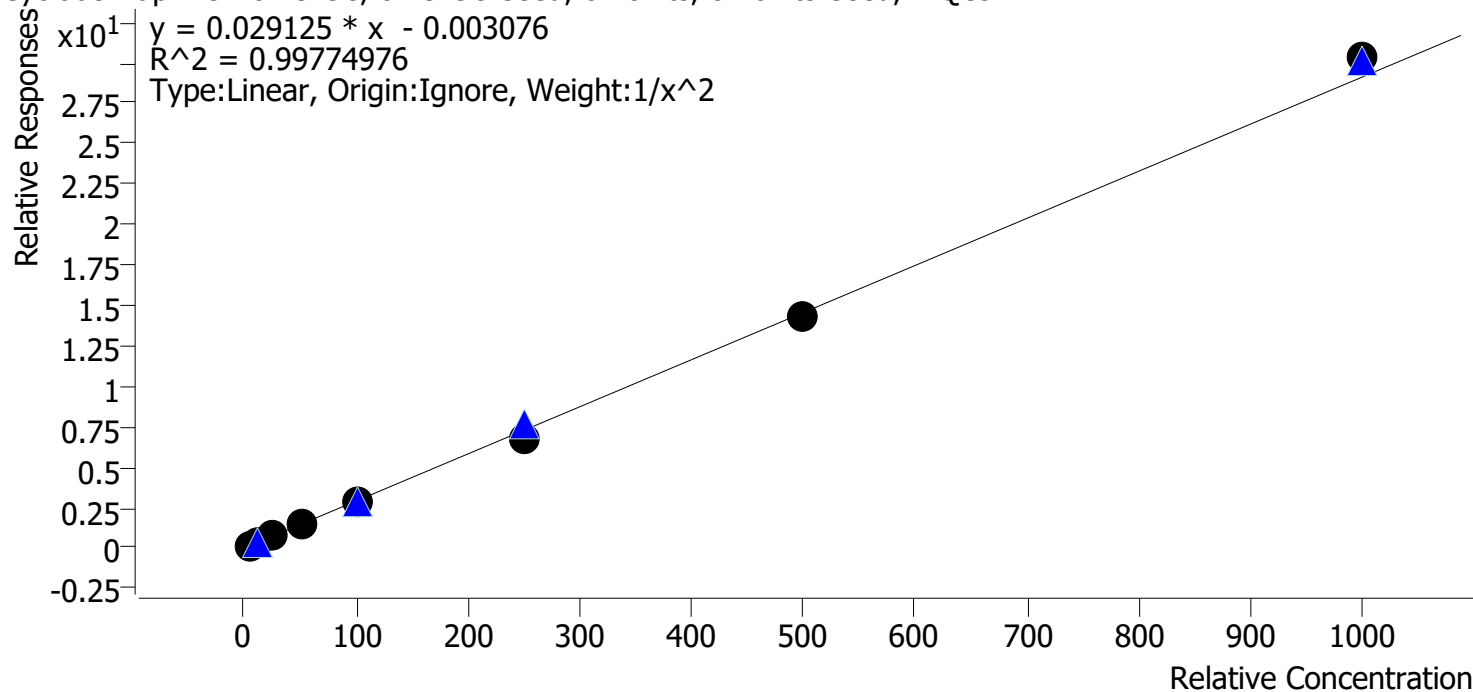
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.6
cal 2 mdq	2	✓	10.0	10.6	105.5
cal 3 mdq	3	✓	25.0	28.7	114.9
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	231.0	92.4
cal 7 mdq	7	✓	500.0	413.4	82.7
cal 8 mdq	8	x	1000.0	707.7	70.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



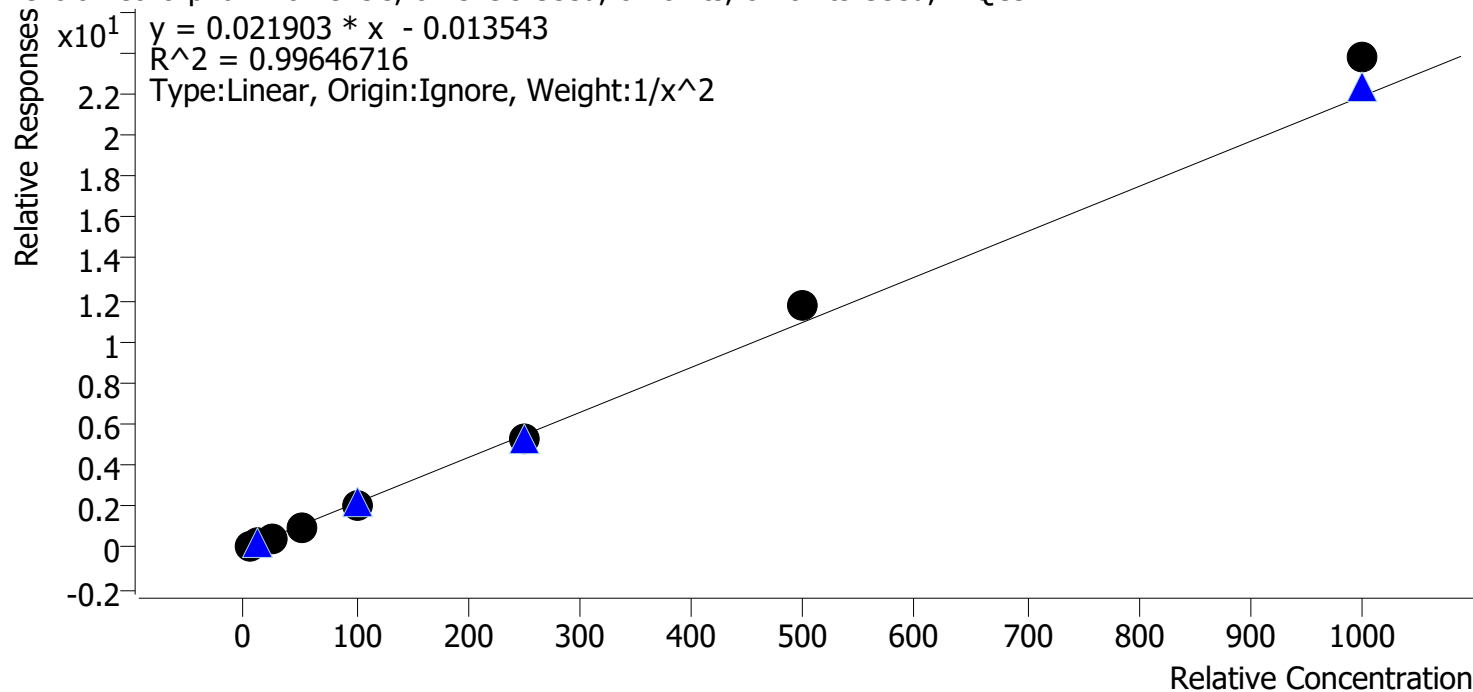
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	234.9	93.9
cal 7 mdq	7	✓	500.0	494.3	98.9
cal 8 mdq	8	✓	1000.0	1041.3	104.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



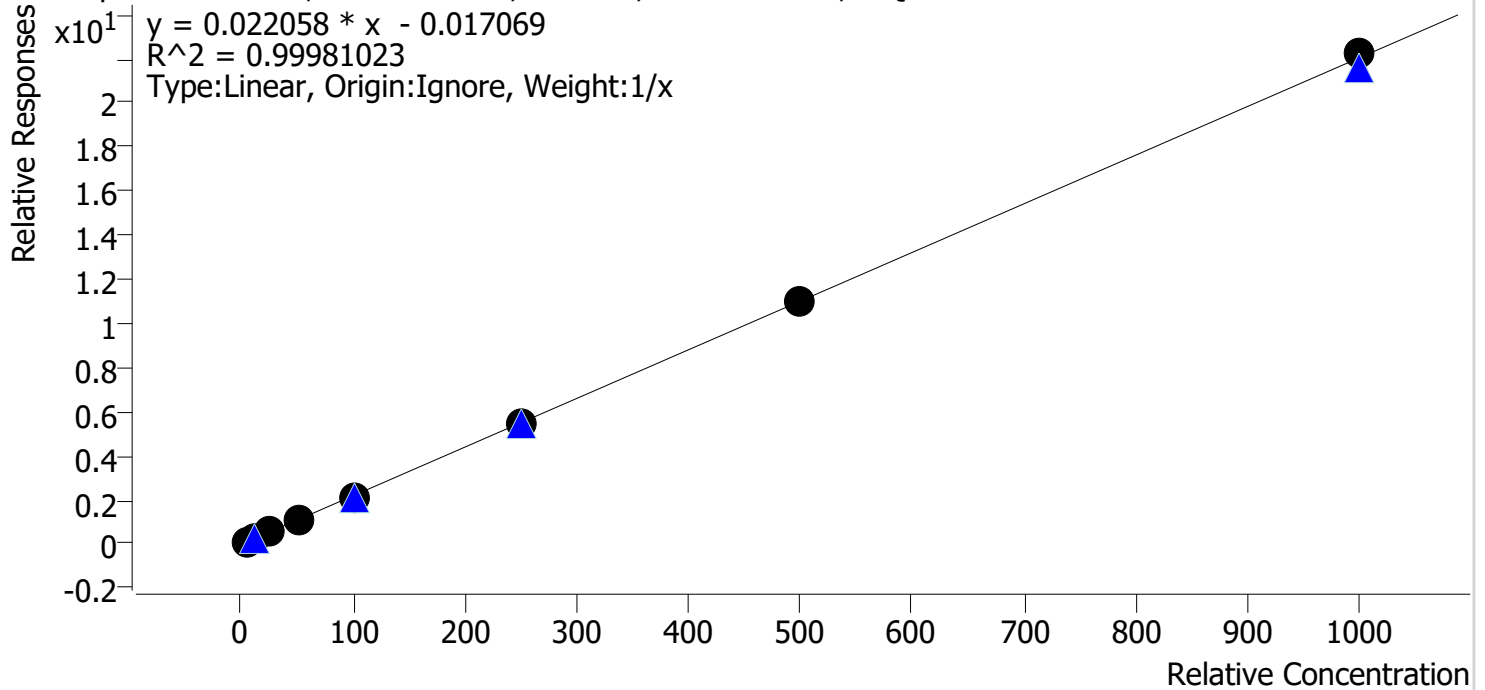
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	94.9	94.9
cal 6 mdq	6	✓	250.0	240.3	96.1
cal 7 mdq	7	✓	500.0	533.0	106.6
cal 8 mdq	8	✓	1000.0	1085.5	108.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



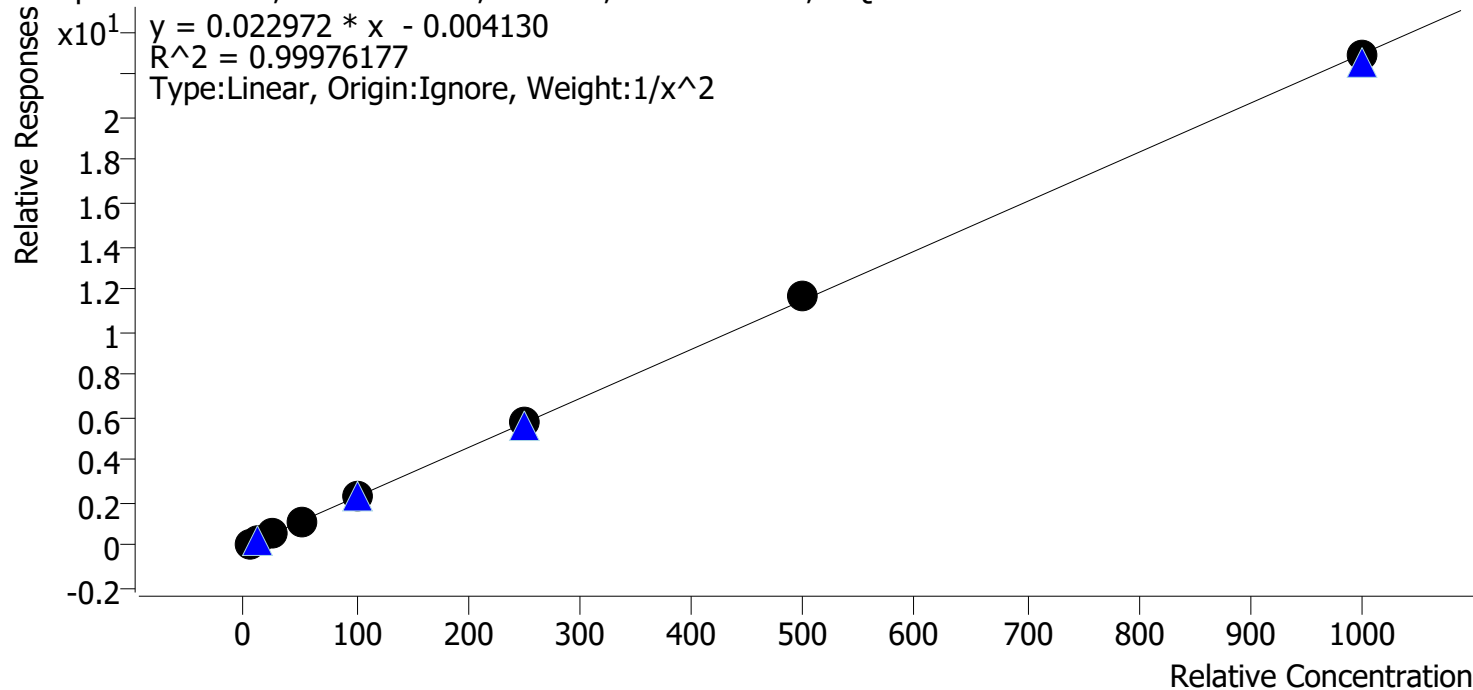
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.9
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	47.7	95.3
cal 5 mdq	5	✓	100.0	98.1	98.1
cal 6 mdq	6	✓	250.0	245.9	98.4
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	1008.8	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



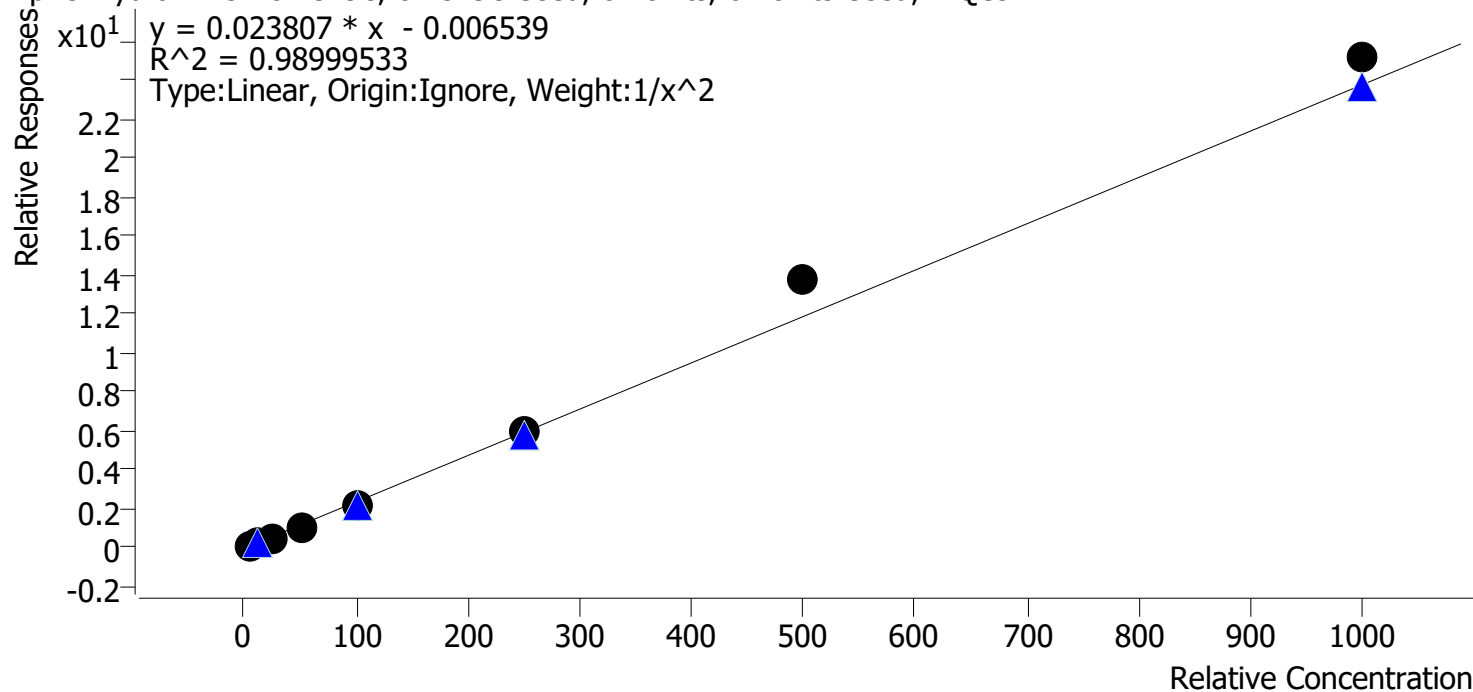
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	255.0	102.0
cal 7 mdq	7	✓	500.0	506.4	101.3
cal 8 mdq	8	✓	1000.0	996.7	99.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



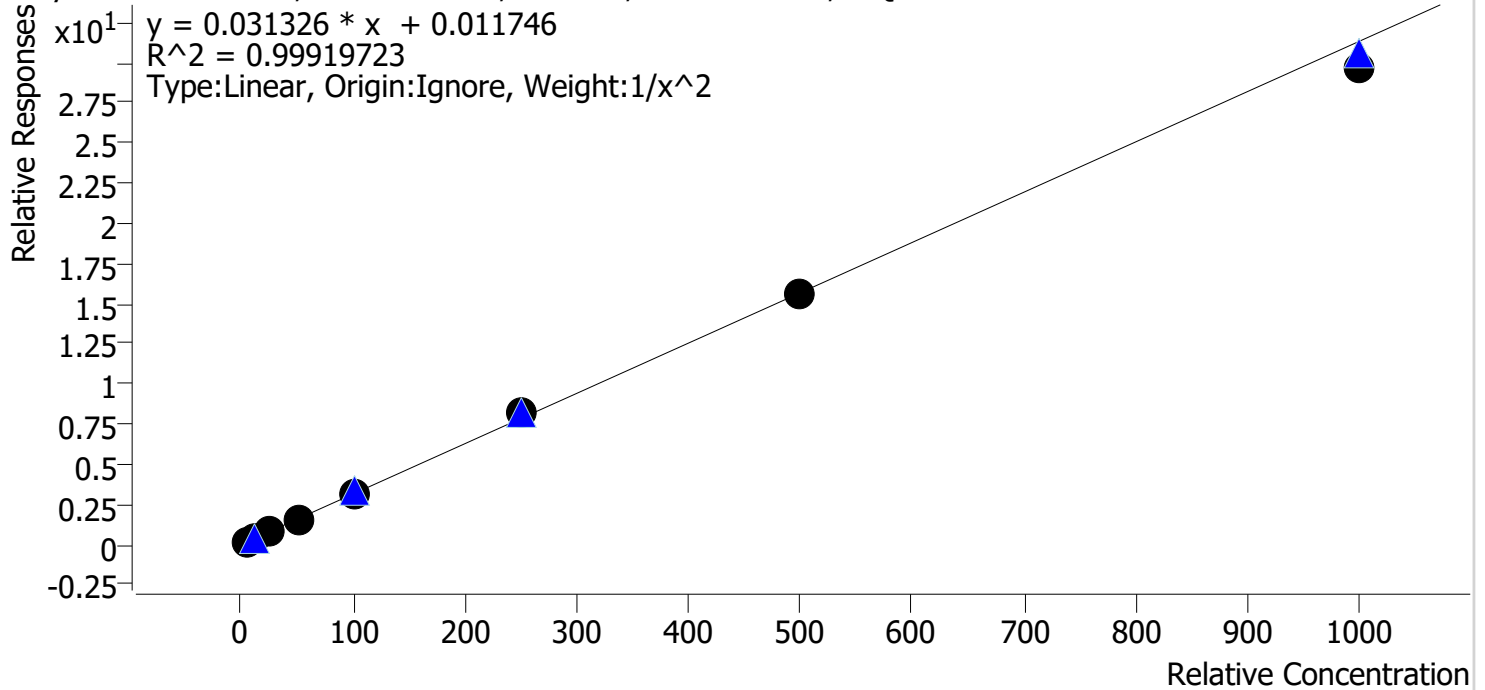
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.2
cal 2 mdq	2	✓	10.0	9.2	91.9
cal 3 mdq	3	✓	25.0	23.3	93.3
cal 4 mdq	4	✓	50.0	47.1	94.3
cal 5 mdq	5	✓	100.0	92.3	92.3
cal 6 mdq	6	✓	250.0	250.4	100.2
cal 7 mdq	7	✓	500.0	580.2	116.0
cal 8 mdq	8	✓	1000.0	1058.7	105.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



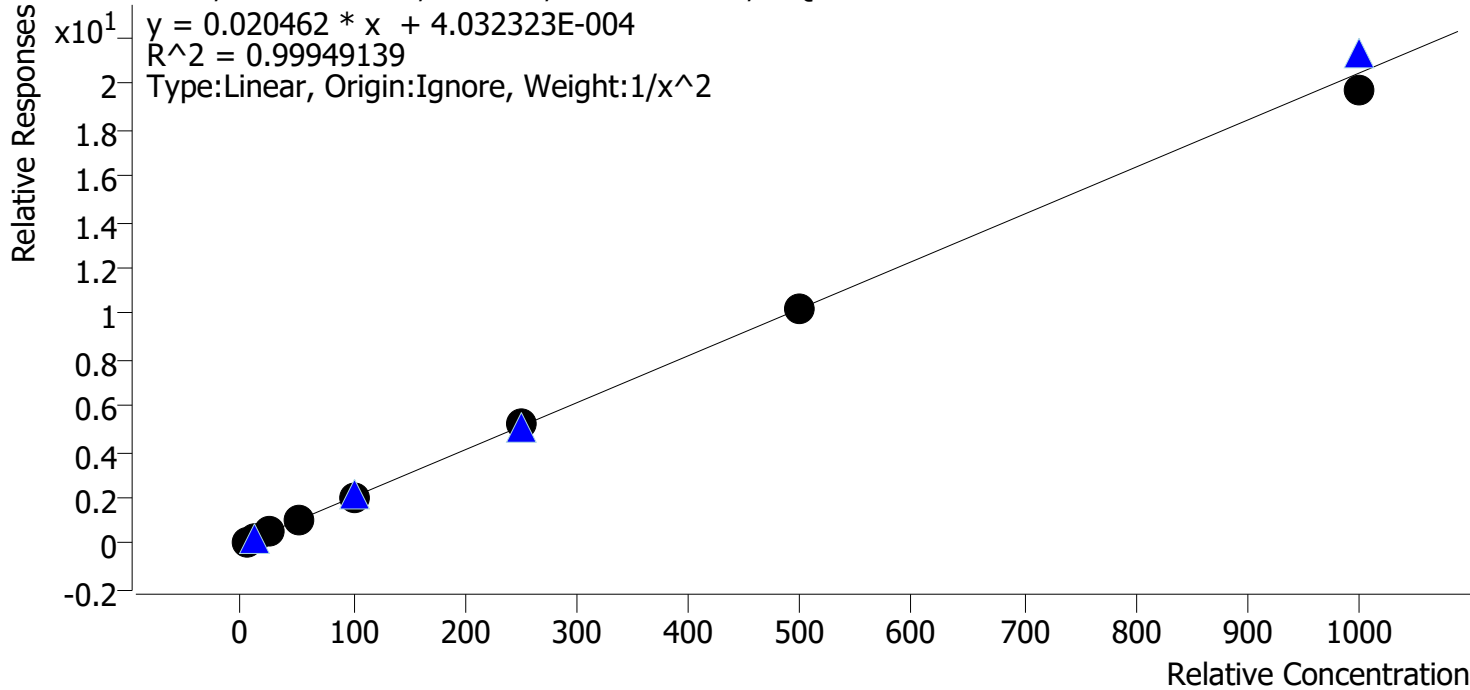
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	259.2	103.7
cal 7 mdq	7	✓	500.0	497.2	99.4
cal 8 mdq	8	✓	1000.0	948.6	94.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



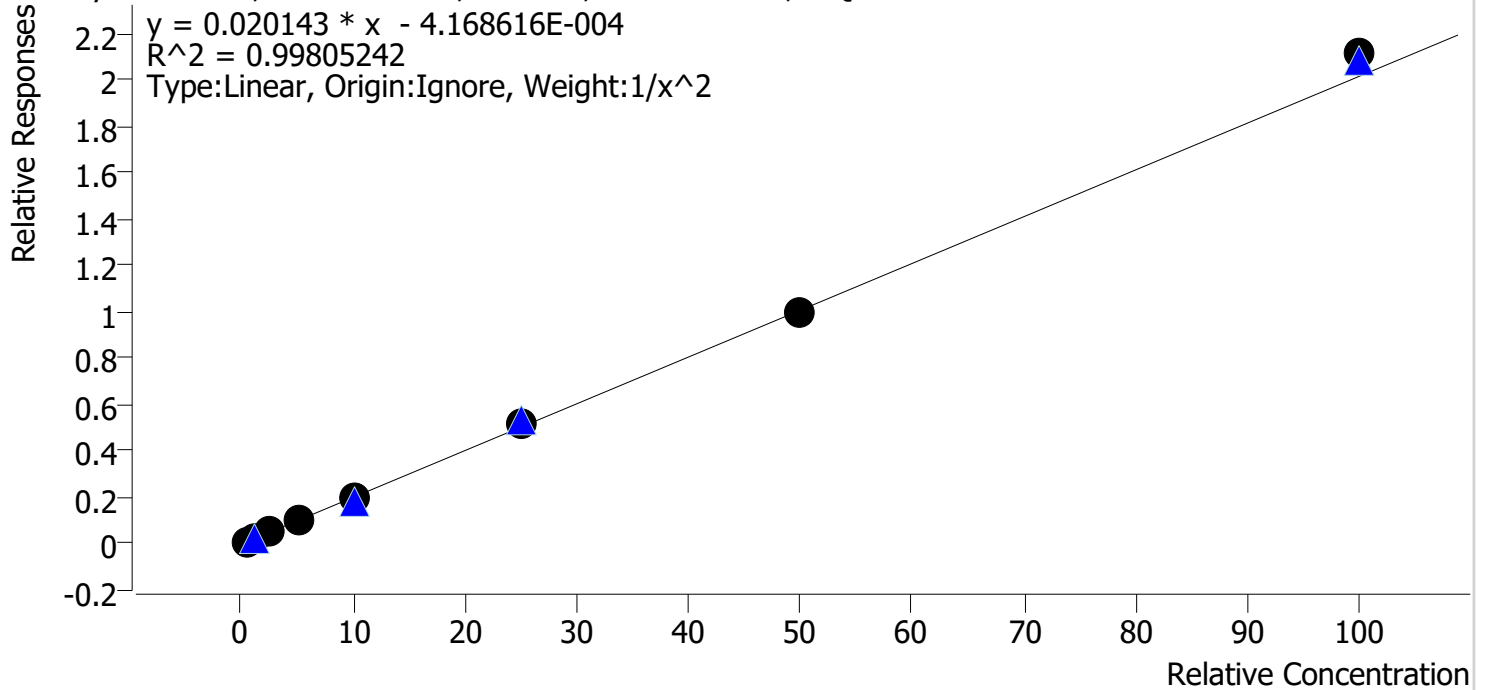
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.9	103.4
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	252.8	101.1
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	967.6	96.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



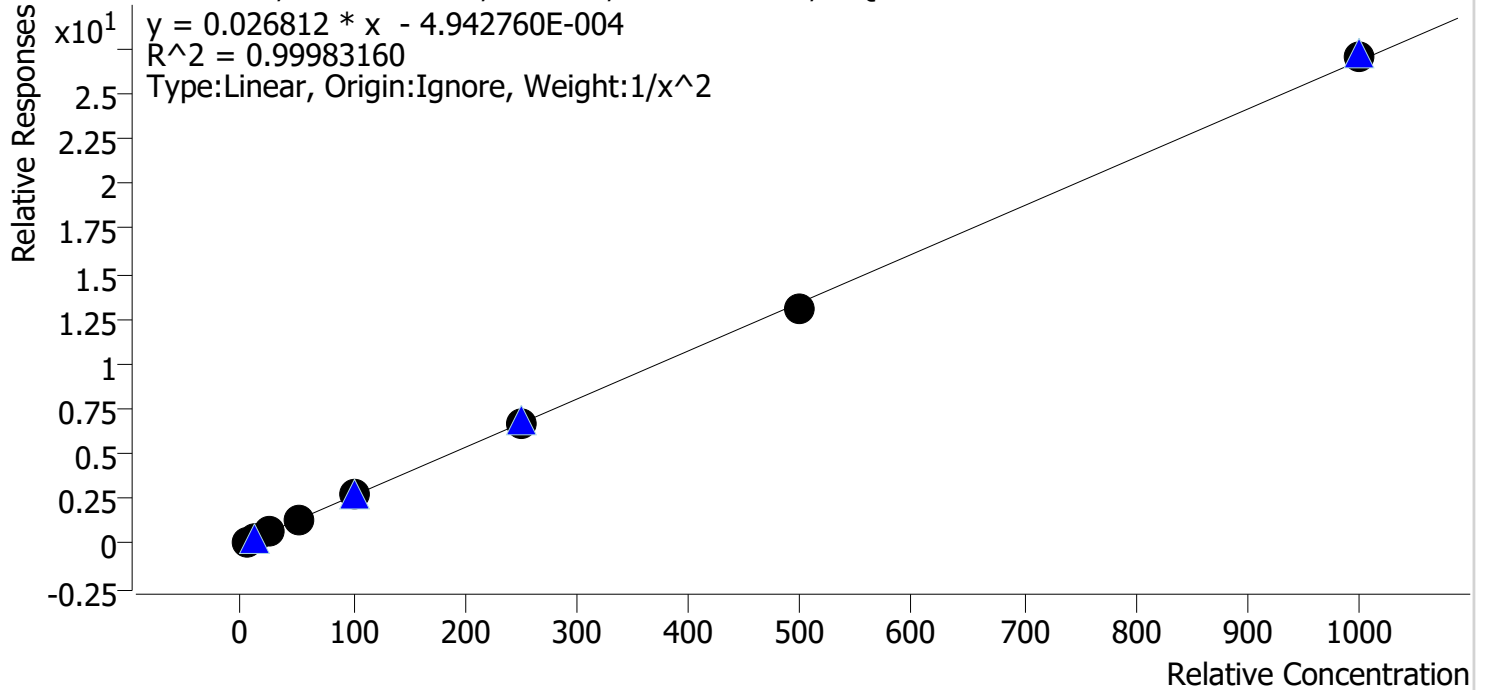
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.4
cal 2 mdq	2	✓	1.0	0.9	94.2
cal 3 mdq	3	✓	2.5	2.5	98.9
cal 4 mdq	4	✓	5.0	4.8	95.3
cal 5 mdq	5	✓	10.0	10.3	102.8
cal 6 mdq	6	✓	25.0	25.4	101.6
cal 7 mdq	7	✓	50.0	49.5	98.9
cal 8 mdq	8	✓	100.0	104.9	104.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



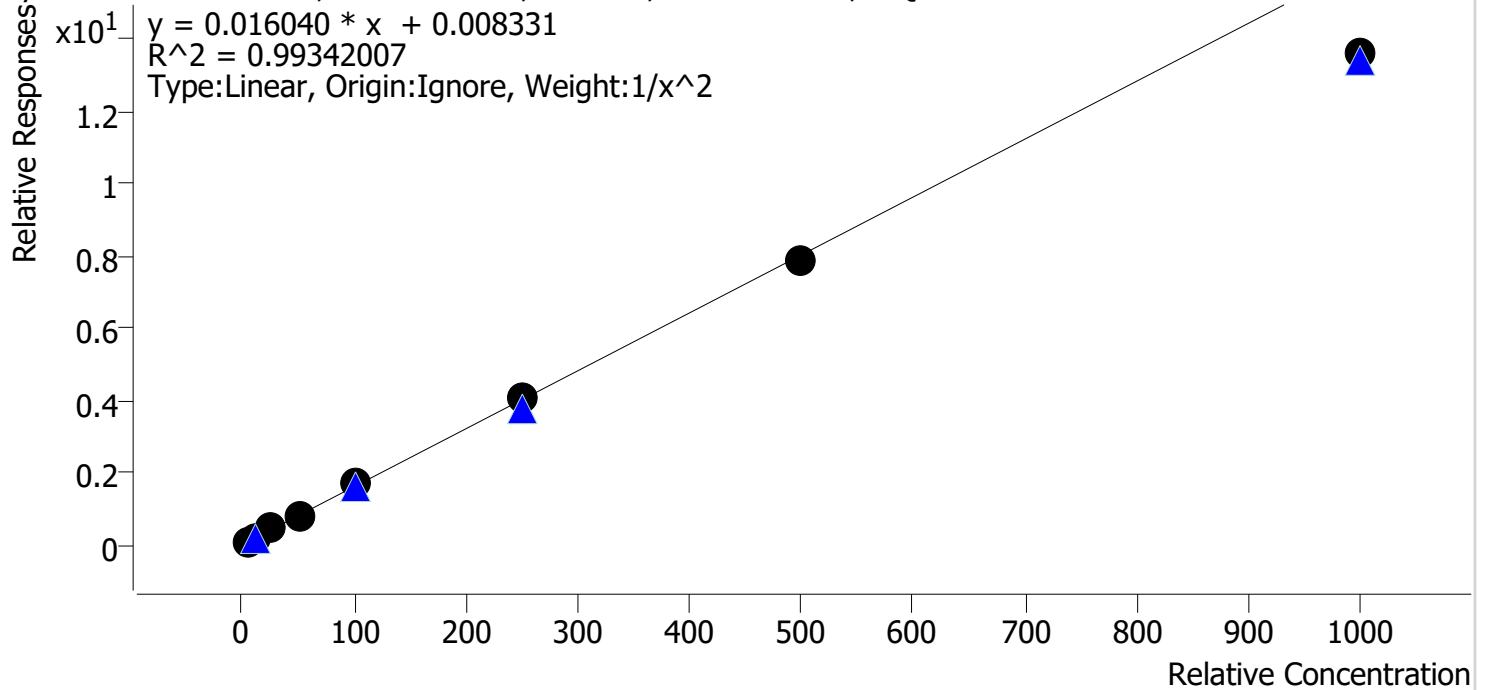
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	487.1	97.4
cal 8 mdq	8	✓	1000.0	1007.9	100.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



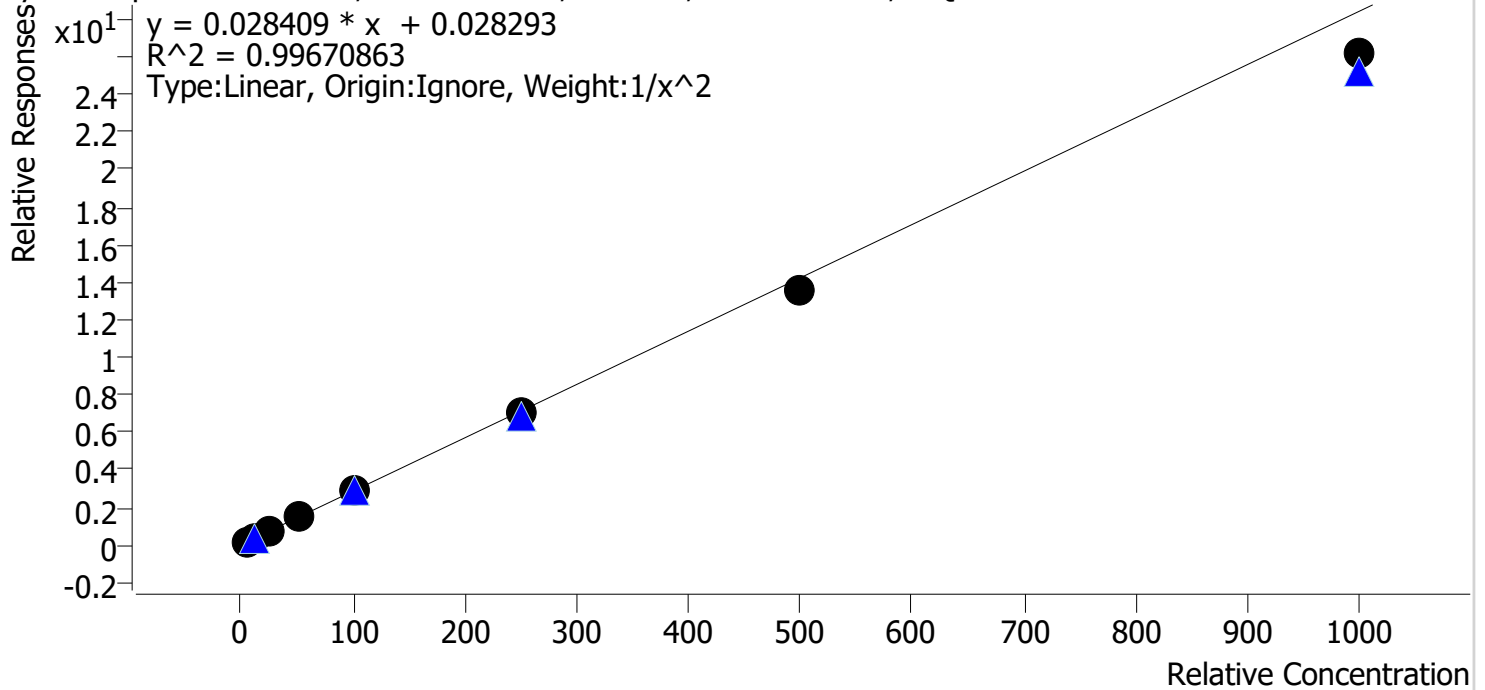
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	26.6	106.6
cal 4 mdq	4	✓	50.0	51.8	103.5
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdq	6	✓	250.0	253.9	101.5
cal 7 mdq	7	✓	500.0	491.8	98.4
cal 8 mdq	8	✓	1000.0	847.7	84.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



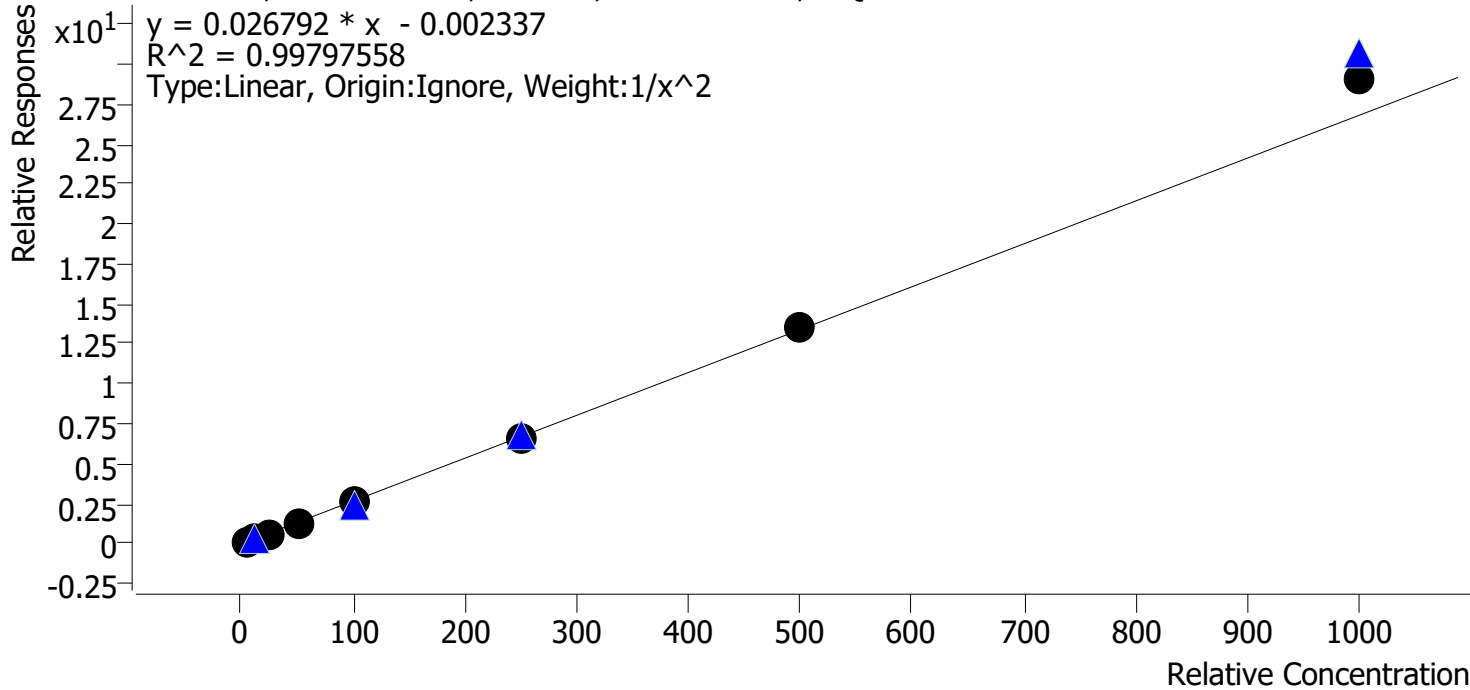
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	26.2	104.8
cal 4 mdq	4	✓	50.0	53.2	106.5
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	247.7	99.1
cal 7 mdq	7	✓	500.0	477.0	95.4
cal 8 mdq	8	✓	1000.0	920.6	92.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	48.3	96.7
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	241.8	96.7
cal 7 mdq	7	✓	500.0	502.2	100.4
cal 8 mdq	8	✓	1000.0	1087.6	108.8

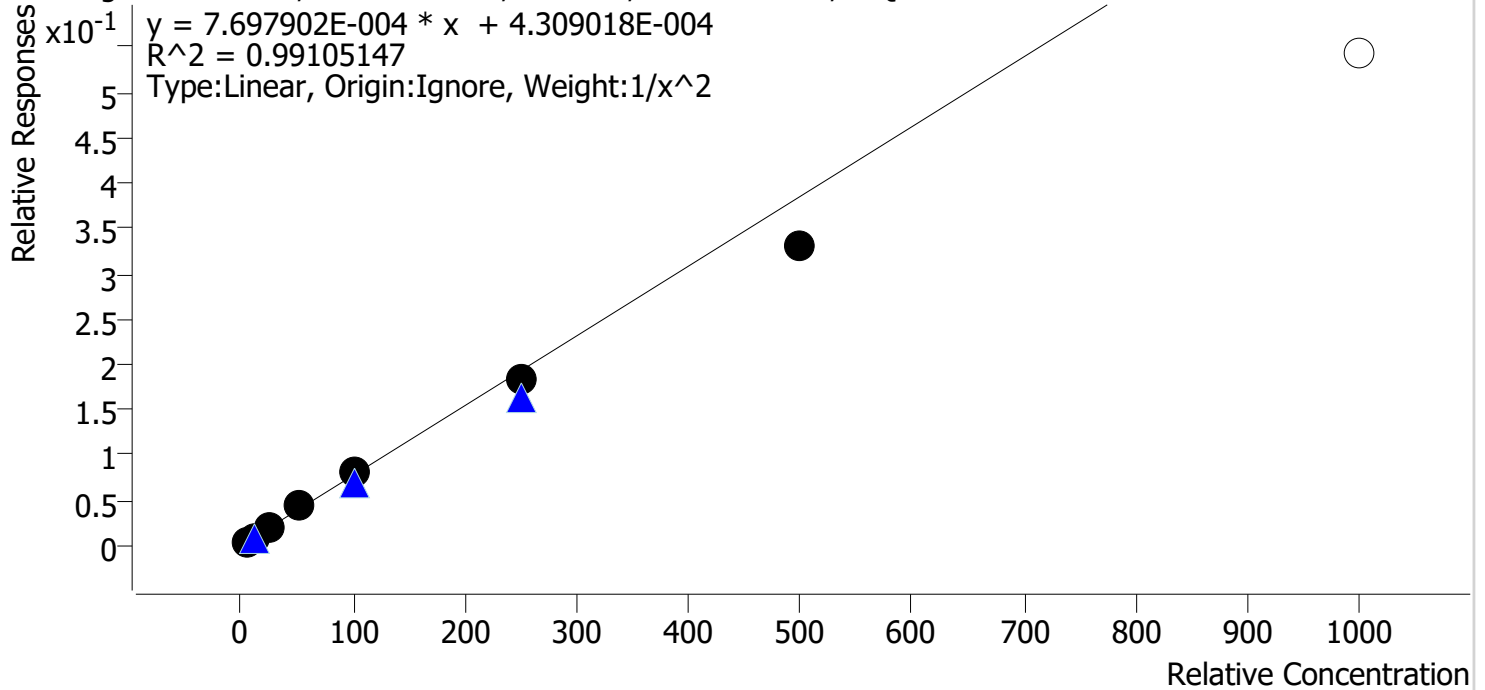
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Lamotrigine

Internal Standard Pseudoephedrine-D3

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



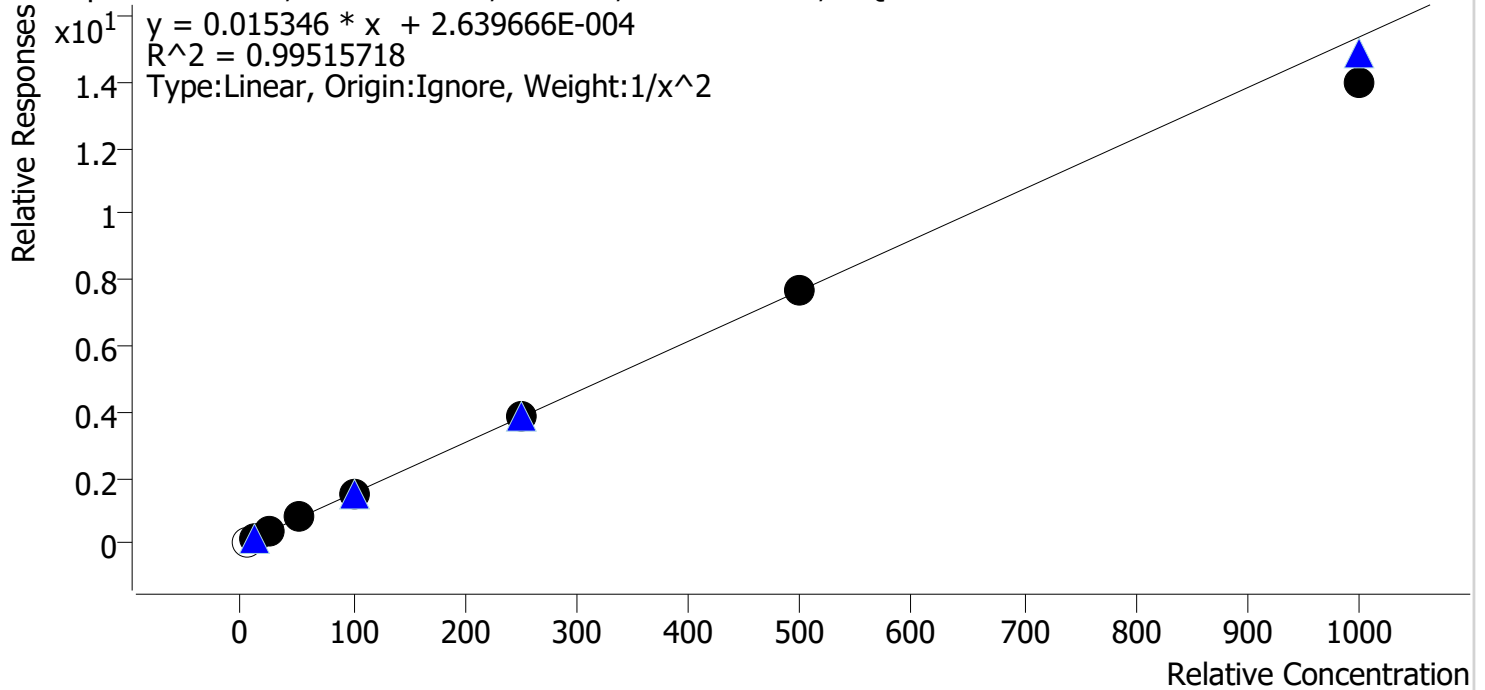
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.3	103.5
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	55.1	110.2
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	238.4	95.4
cal 7 mdq	7	✓	500.0	430.4	86.1
cal 8 mdq	8	✗	1000.0	704.7	70.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



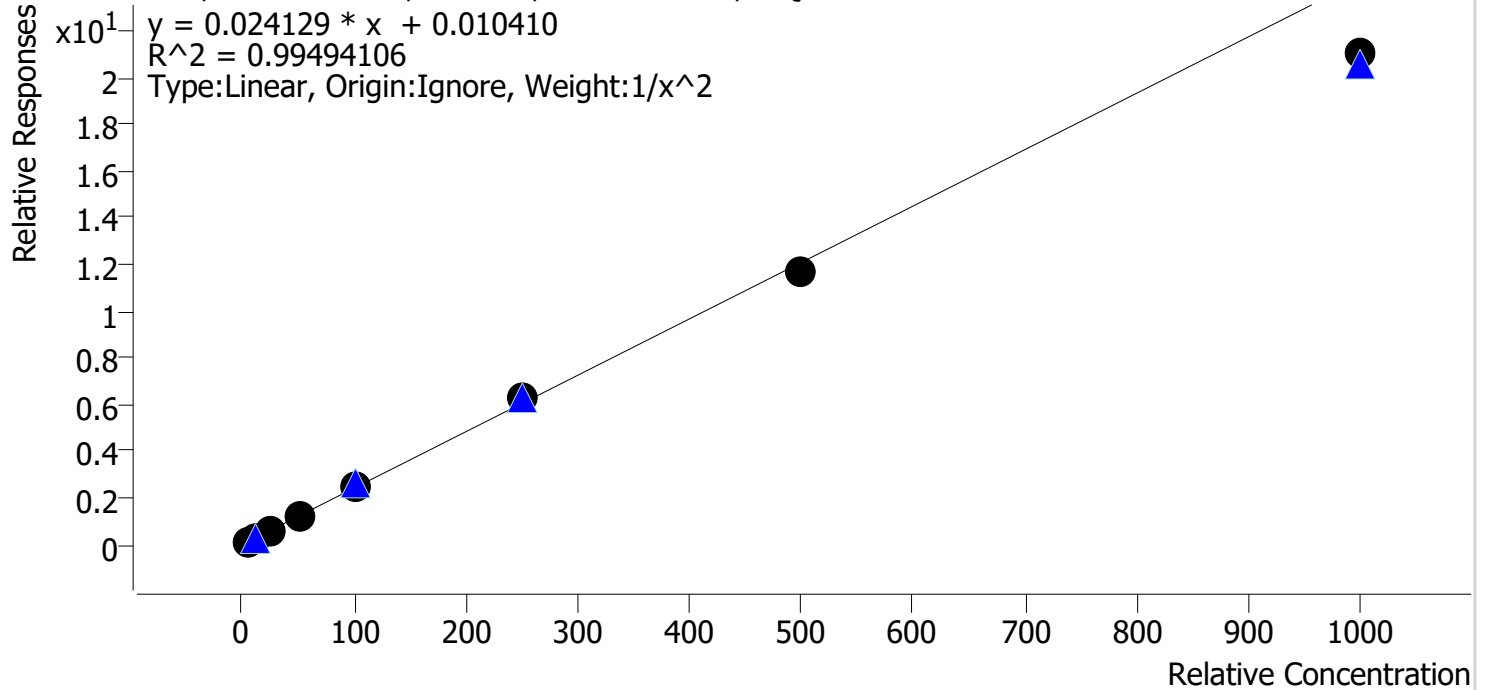
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.5	90.1
cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	55.0	109.9
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	251.9	100.7
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	912.0	91.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



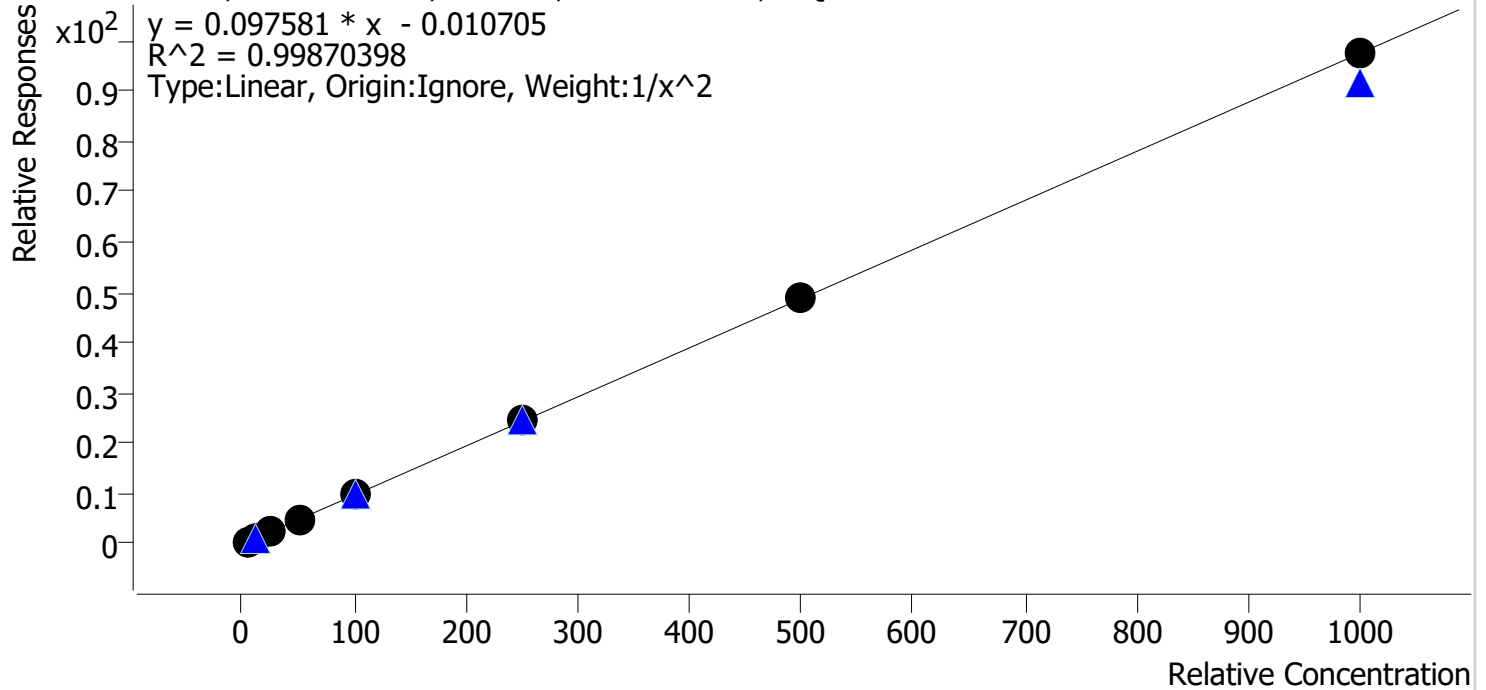
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	52.4	104.7
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	258.6	103.4
cal 7 mdq	7	✓	500.0	481.4	96.3
cal 8 mdq	8	✓	1000.0	870.3	87.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



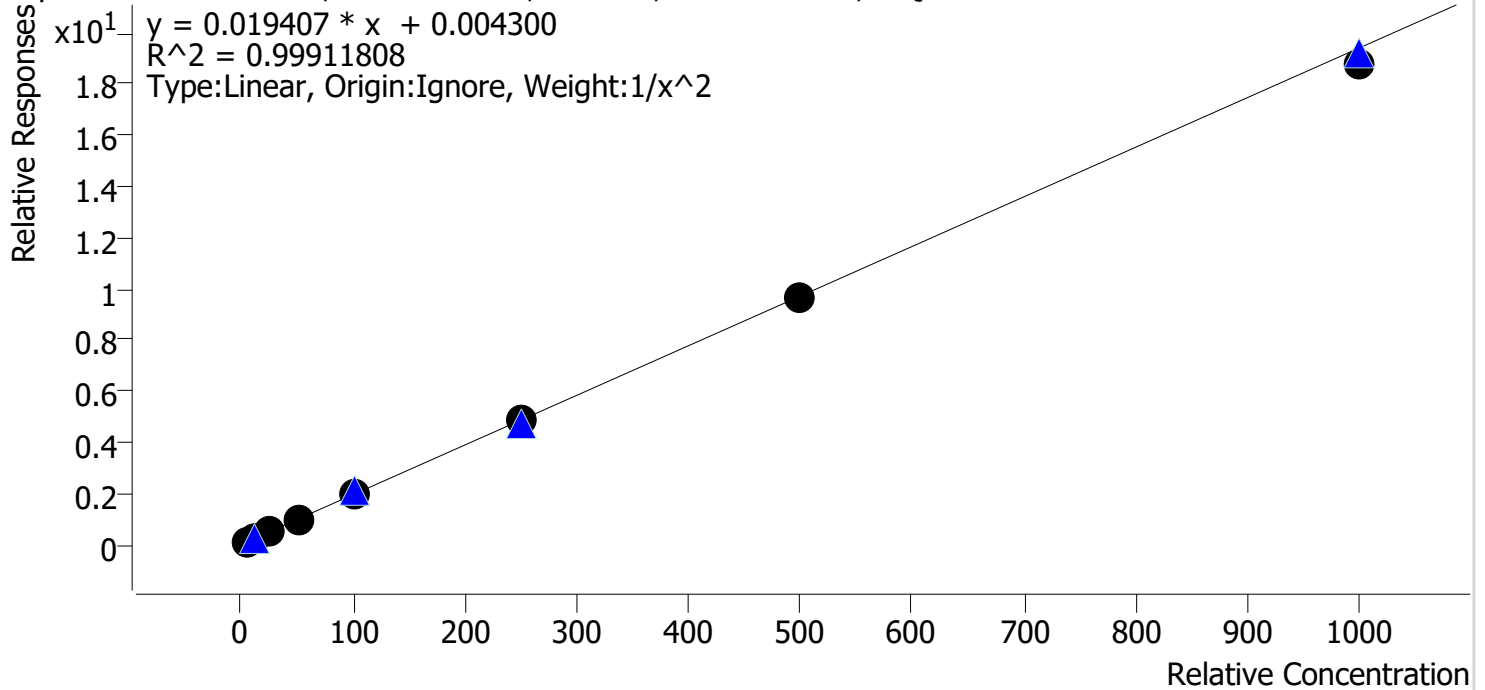
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdq	2	✓	10.0	9.4	93.8
cal 3 mdq	3	✓	25.0	25.8	103.4
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	255.0	102.0
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	999.2	99.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



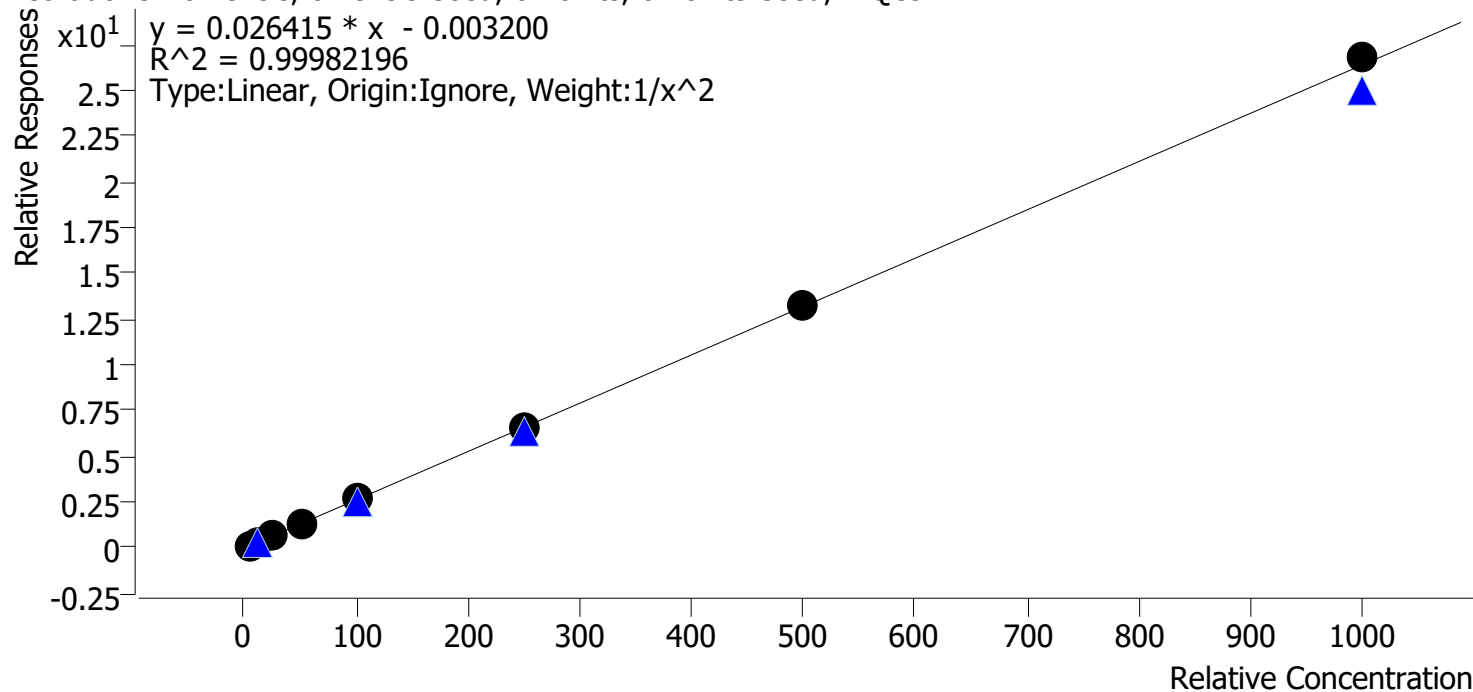
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	494.3	98.9
cal 8 mdq	8	✓	1000.0	965.4	96.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



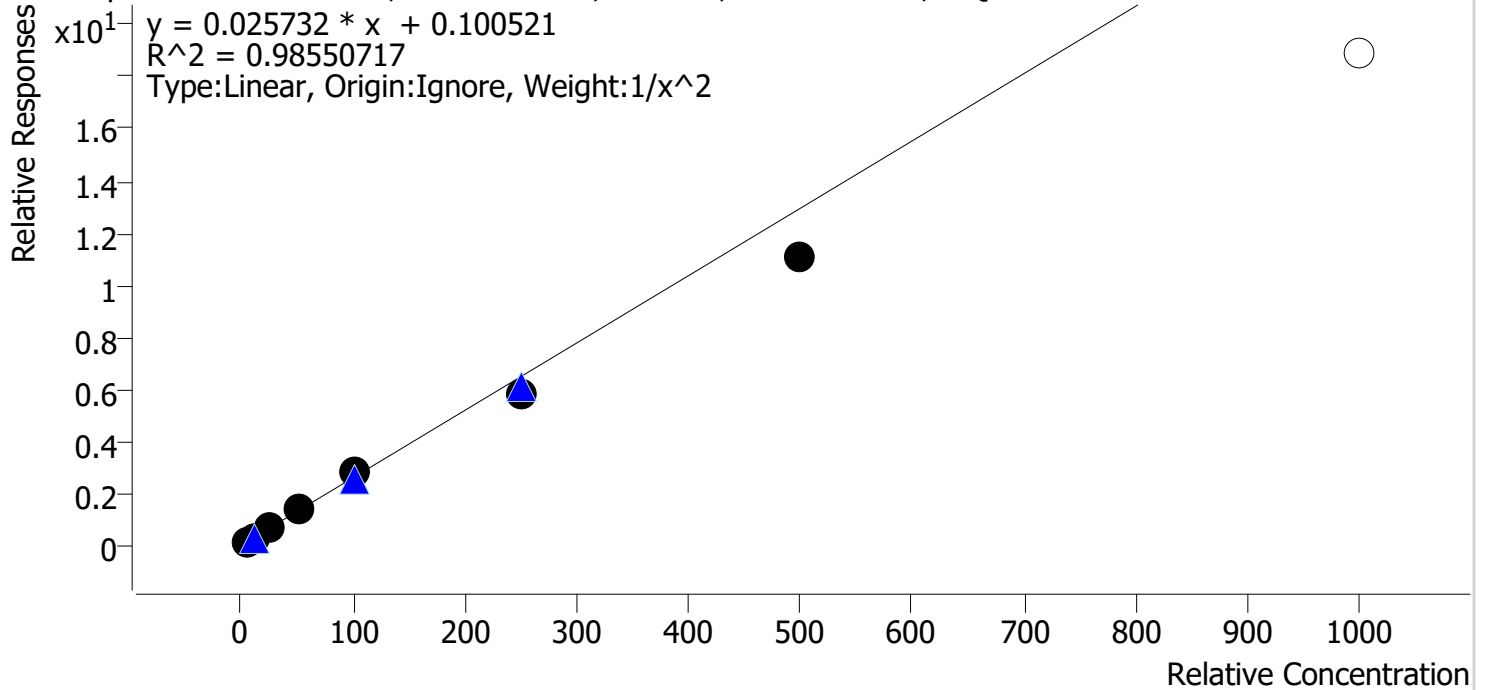
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	1015.3	101.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



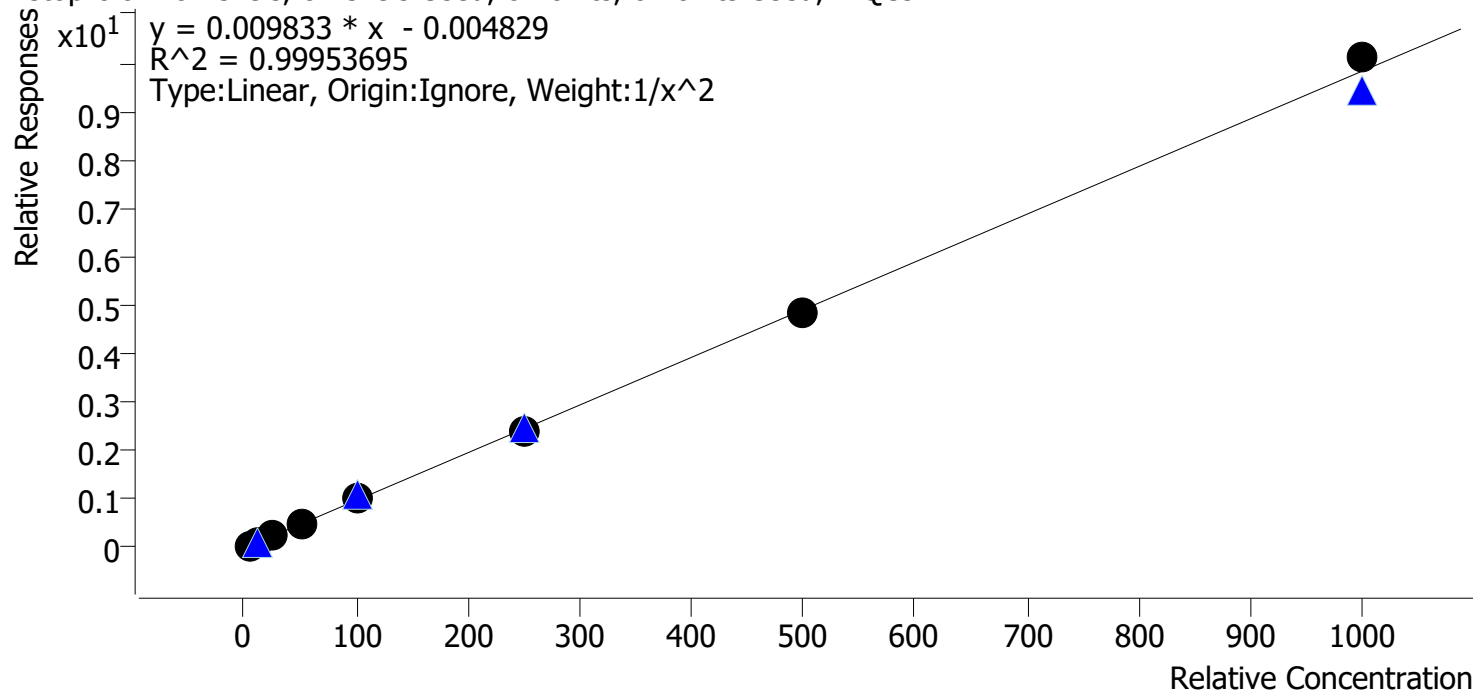
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	27.9	111.4
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	107.5	107.5
cal 6 mdq	6	✓	250.0	222.3	88.9
cal 7 mdq	7	✓	500.0	427.0	85.4
cal 8 mdq	8	✗	1000.0	729.7	73.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

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



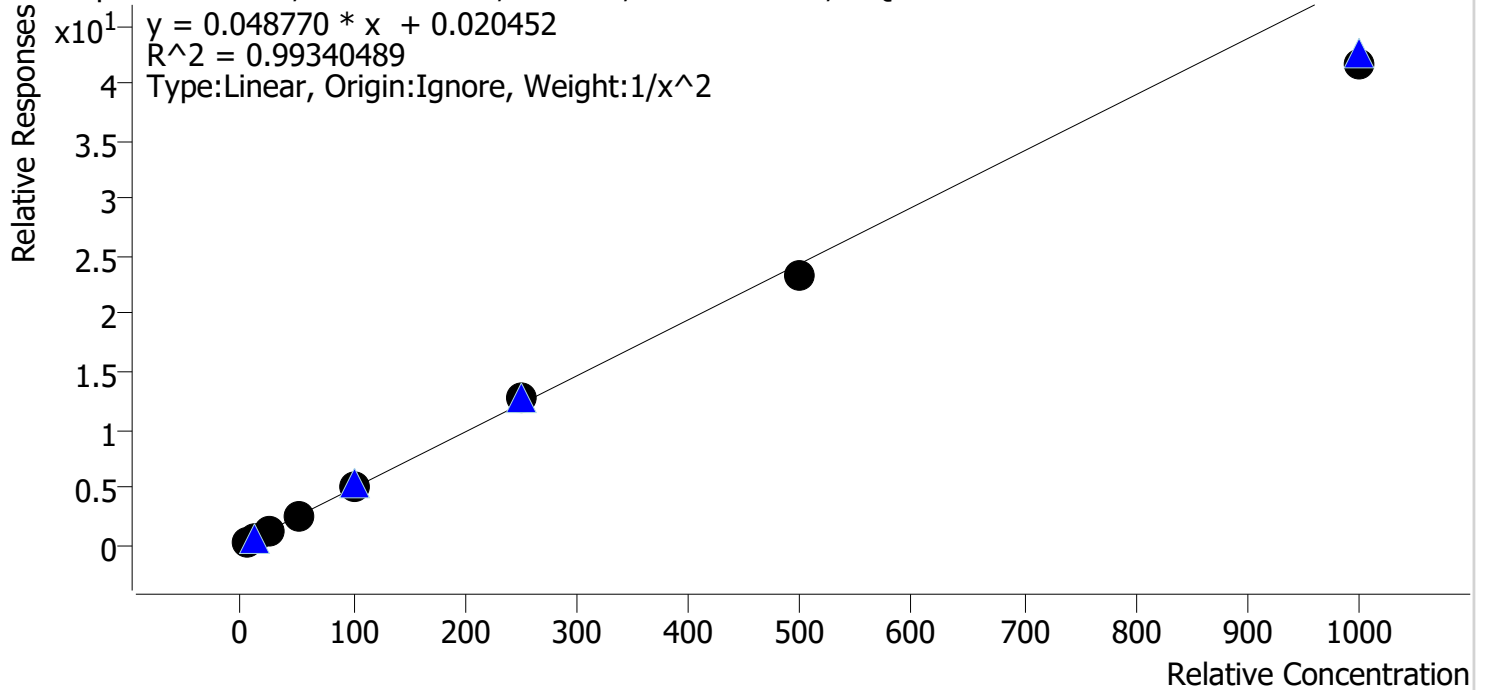
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	1028.4	102.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Phentermine-D5

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



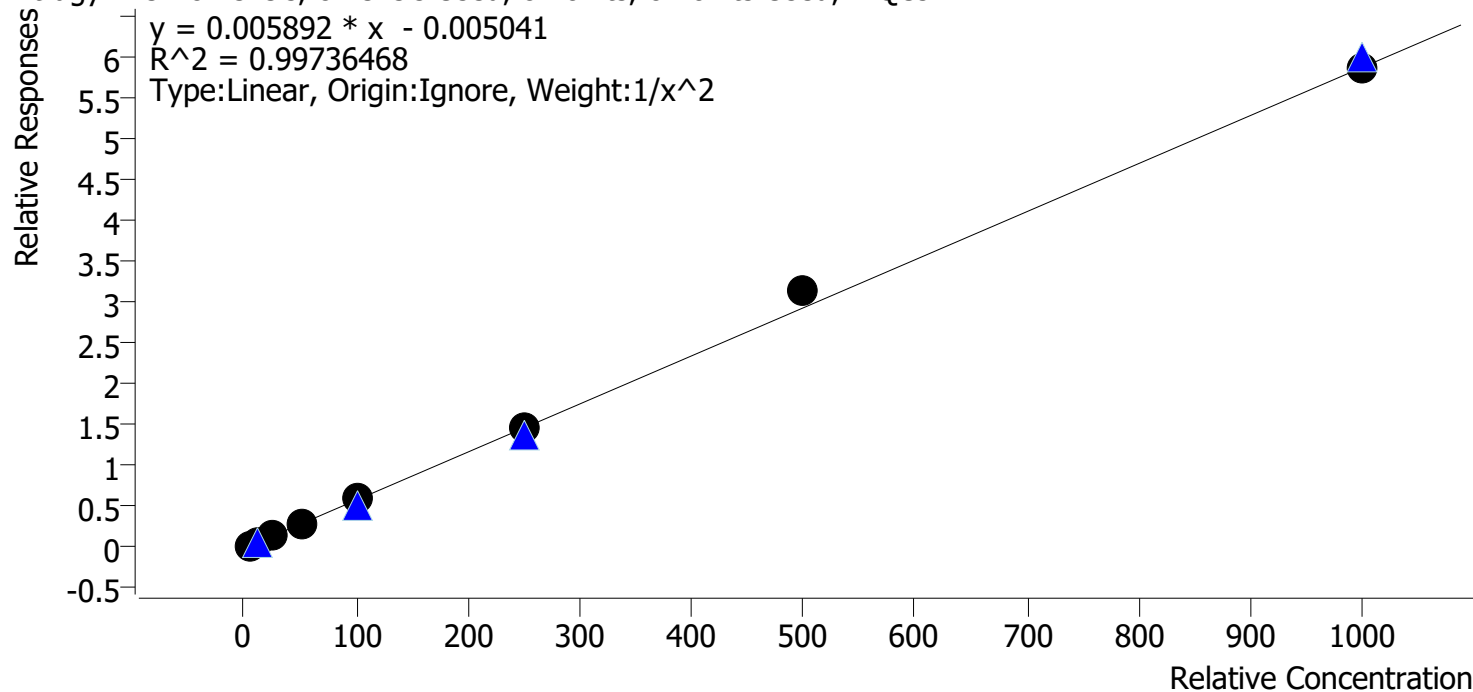
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	26.7	106.8
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	259.0	103.6
cal 7 mdq	7	✓	500.0	475.9	95.2
cal 8 mdq	8	✓	1000.0	856.7	85.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Pseudoephedrine-D3

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



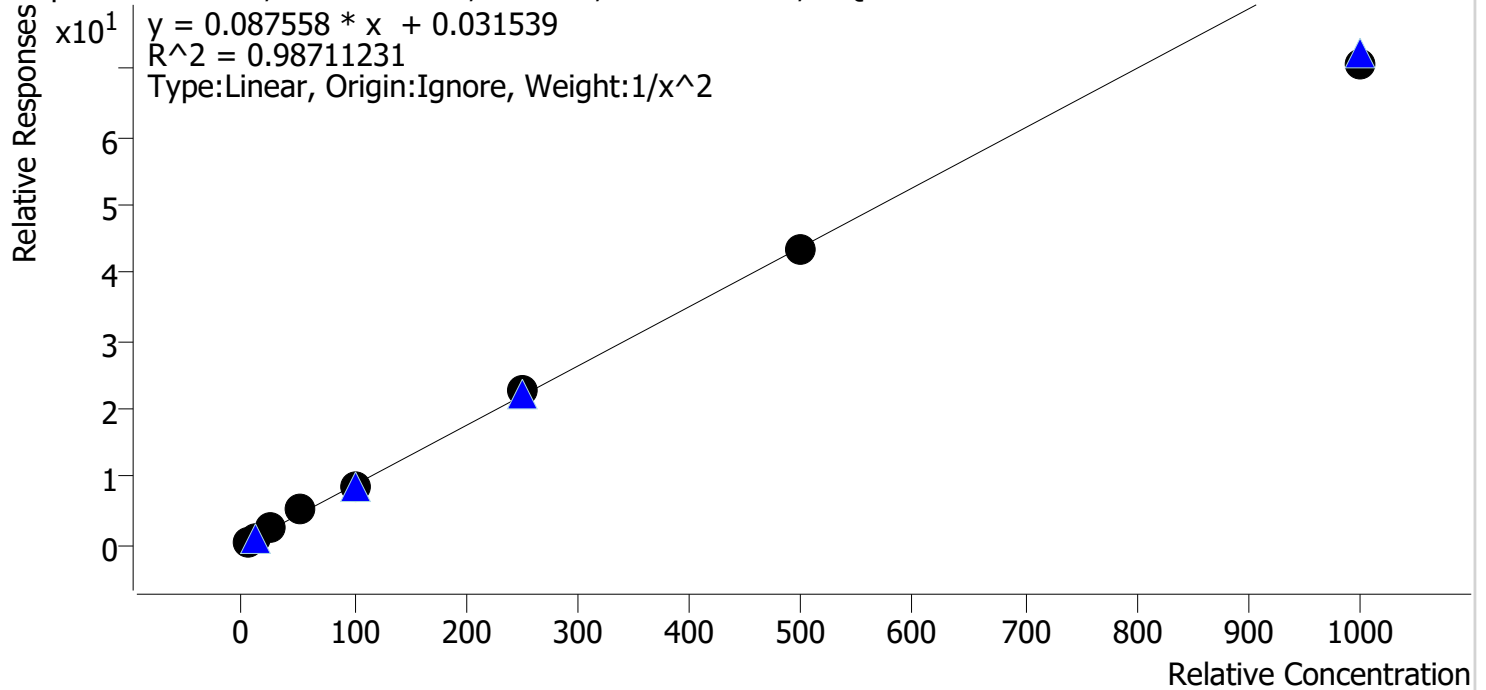
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.5	95.4
cal 3 mdq	3	✓	25.0	23.6	94.3
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	538.7	107.7
cal 8 mdq	8	✓	1000.0	998.2	99.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



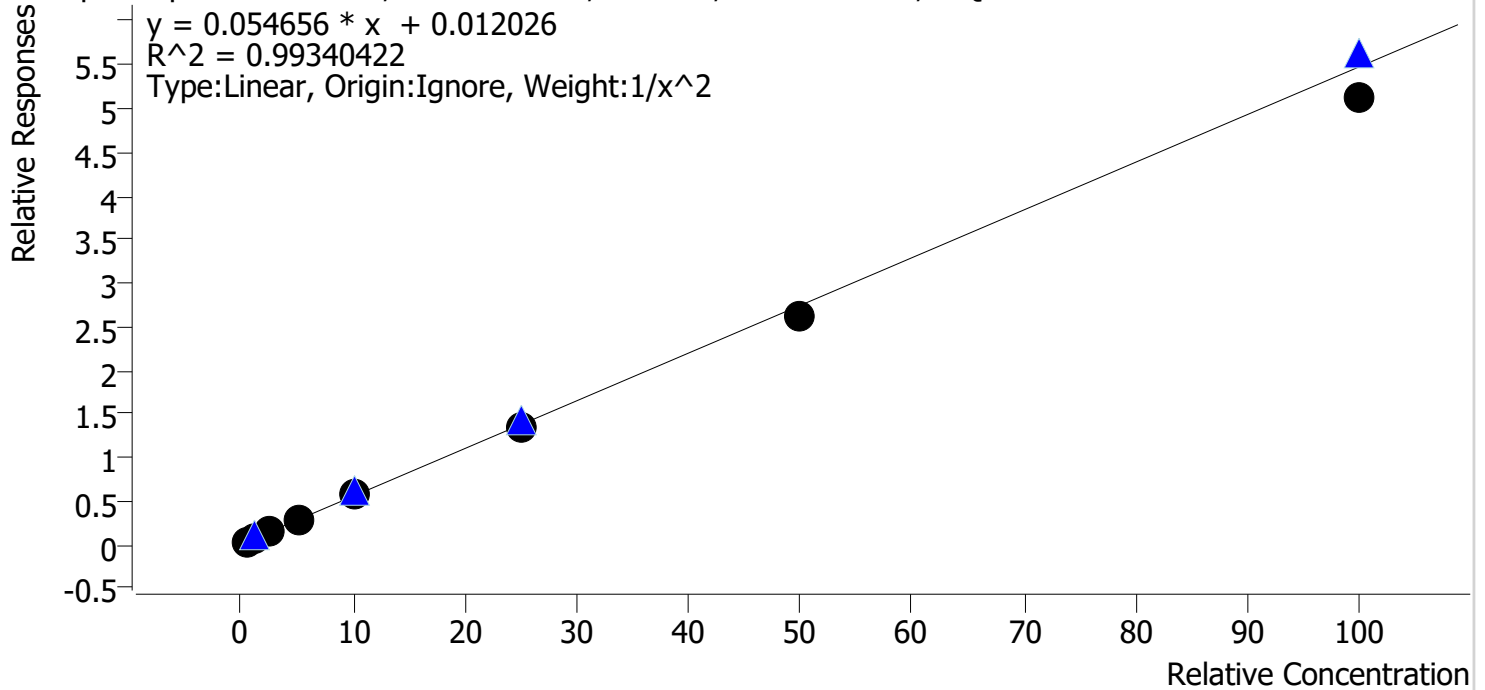
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	58.2	116.3
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	258.3	103.3
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	806.5	80.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



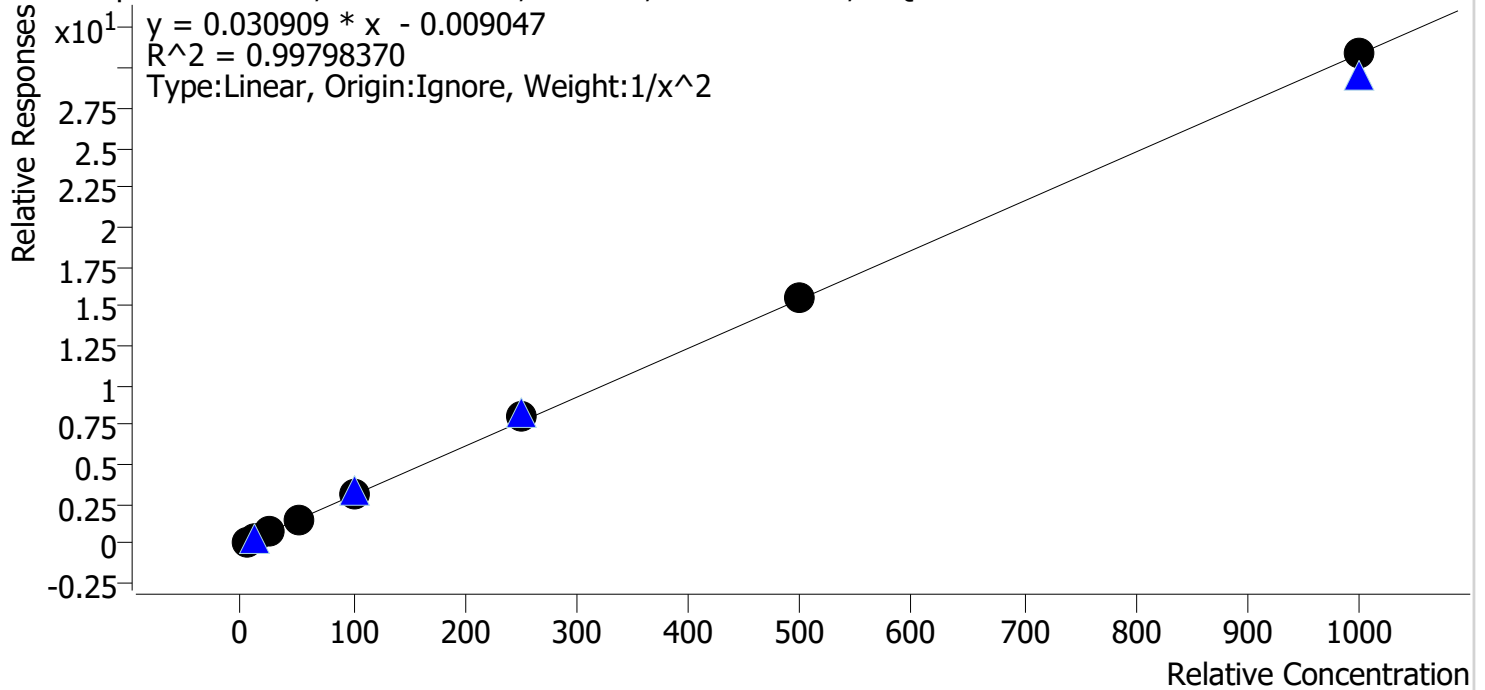
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	92.1
cal 2 mdq	2	✓	1.0	1.1	114.5
cal 3 mdq	3	✓	2.5	2.6	102.2
cal 4 mdq	4	✓	5.0	5.1	102.9
cal 5 mdq	5	✓	10.0	10.1	100.5
cal 6 mdq	6	✓	25.0	24.7	98.7
cal 7 mdq	7	✓	50.0	47.8	95.5
cal 8 mdq	8	✓	100.0	93.6	93.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

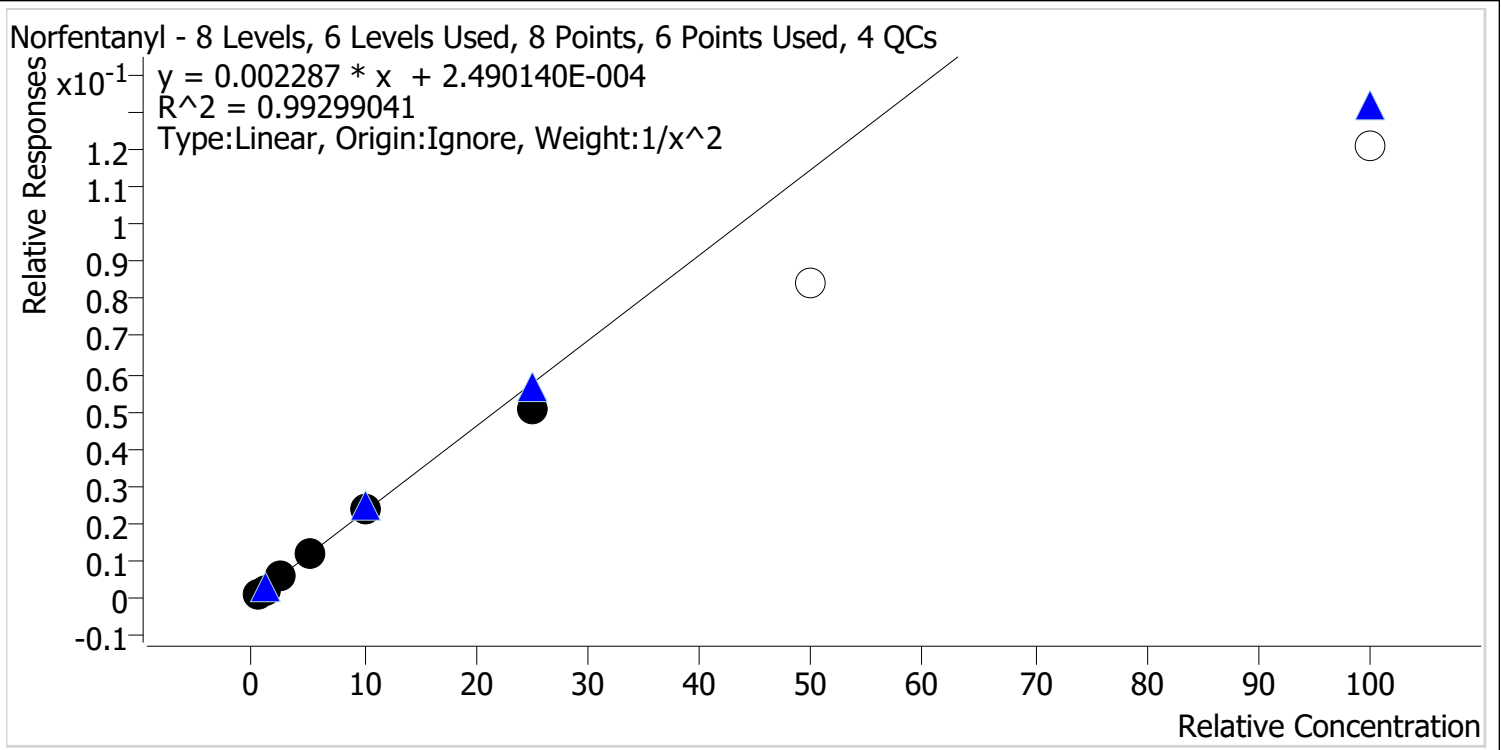


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.8
cal 2 mdq	2	✓	10.0	9.2	91.5
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	49.3	98.5
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	258.6	103.4
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	1001.1	100.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



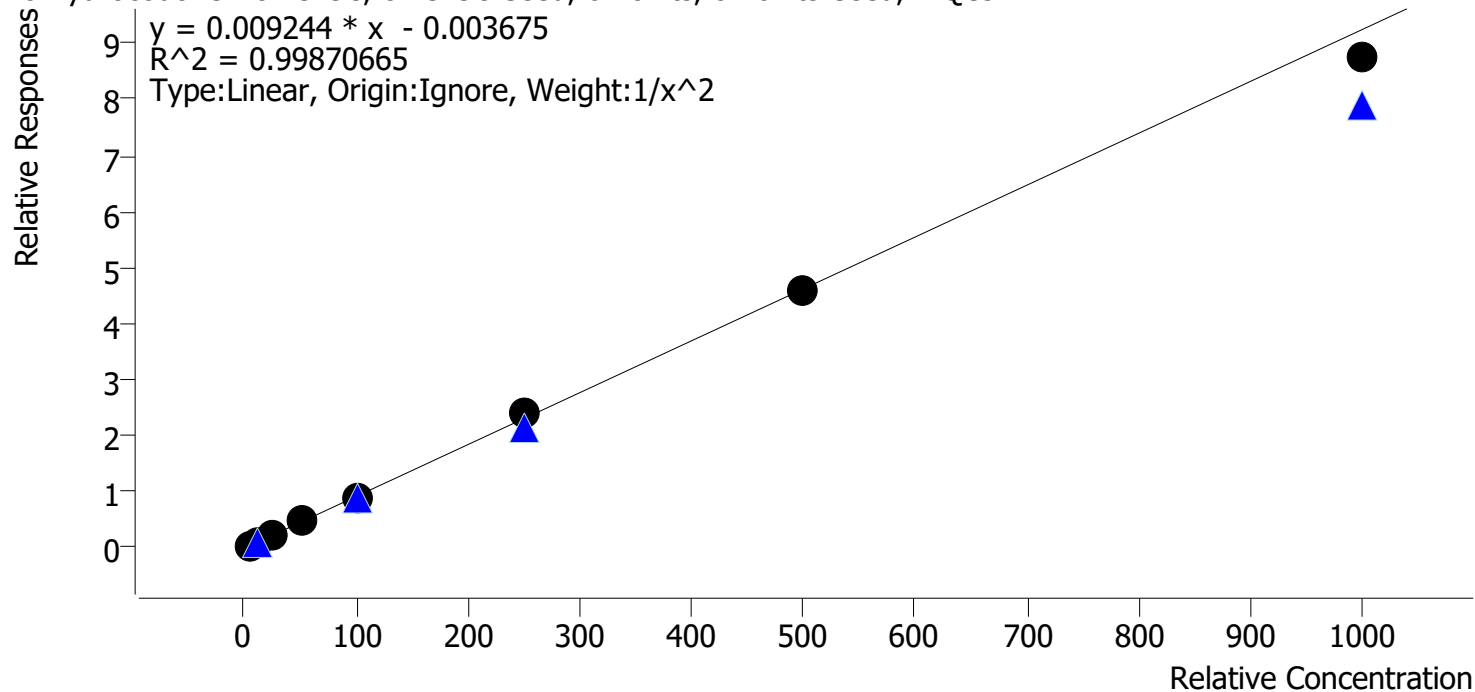
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.1
cal 2 mdq	2	✓	1.0	1.0	99.8
cal 3 mdq	3	✓	2.5	2.8	110.1
cal 4 mdq	4	✓	5.0	5.0	100.9
cal 5 mdq	5	✓	10.0	10.2	102.2
cal 6 mdq	6	✓	25.0	22.2	88.9
cal 7 mdq	7	x	50.0	36.8	73.7
cal 8 mdq	8	x	100.0	52.6	52.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



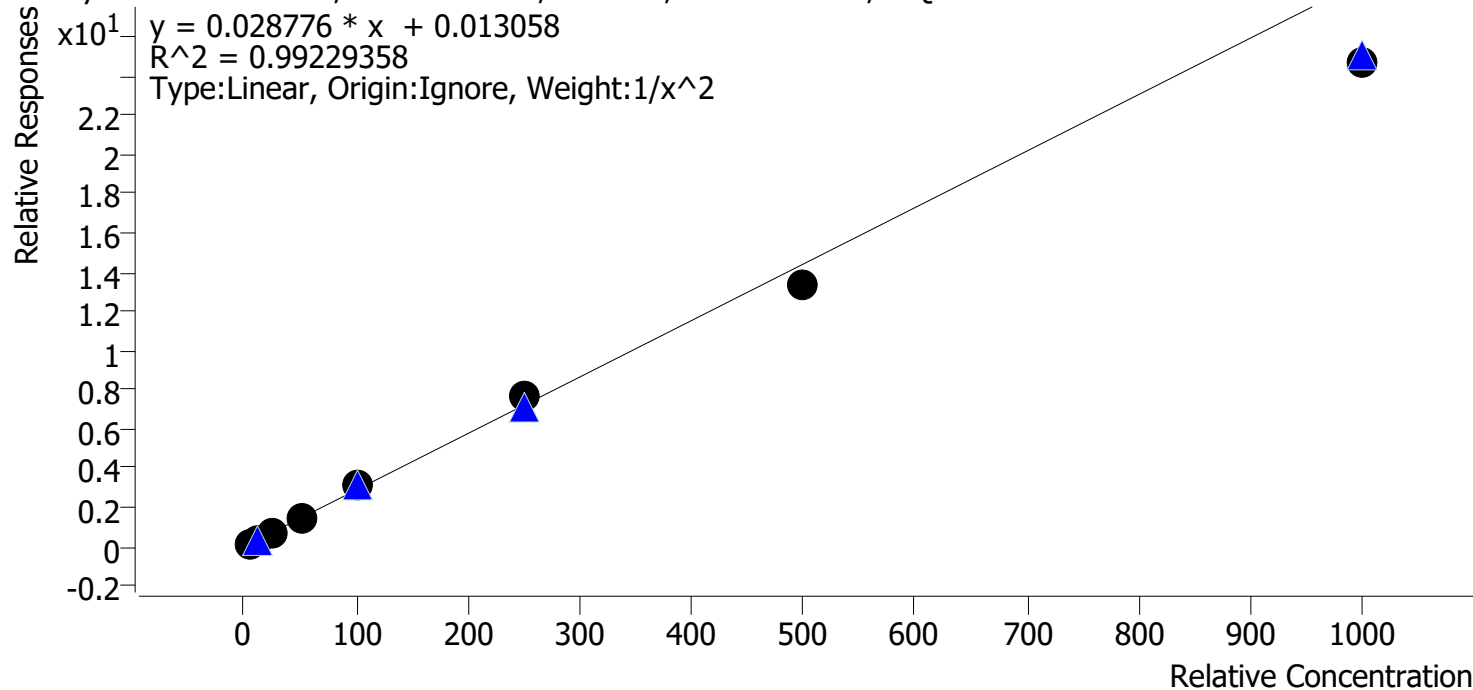
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	493.9	98.8
cal 8 mdq	8	✓	1000.0	945.9	94.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

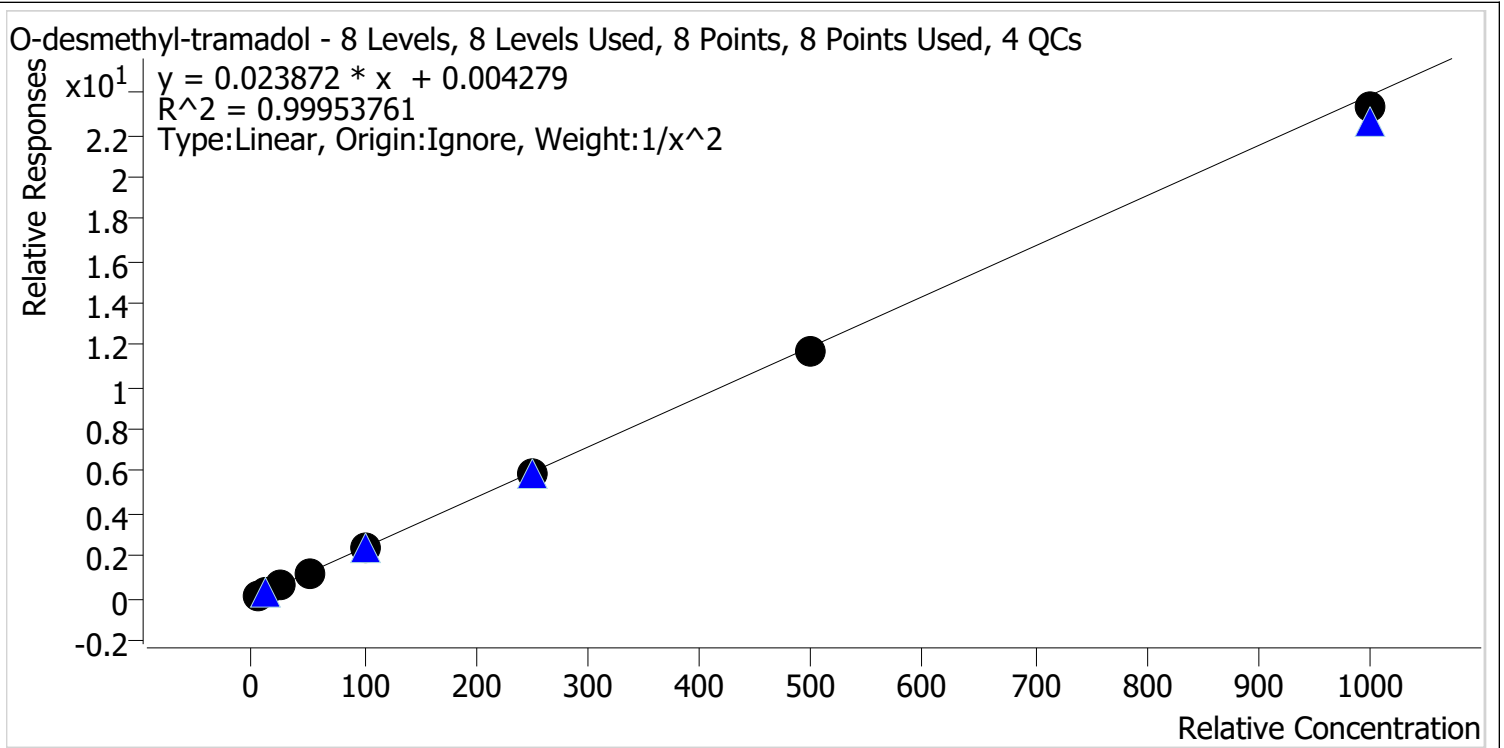


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	26.0	103.8
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	108.7	108.7
cal 6 mdq	6	✓	250.0	263.9	105.6
cal 7 mdq	7	✓	500.0	464.6	92.9
cal 8 mdq	8	✓	1000.0	855.1	85.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



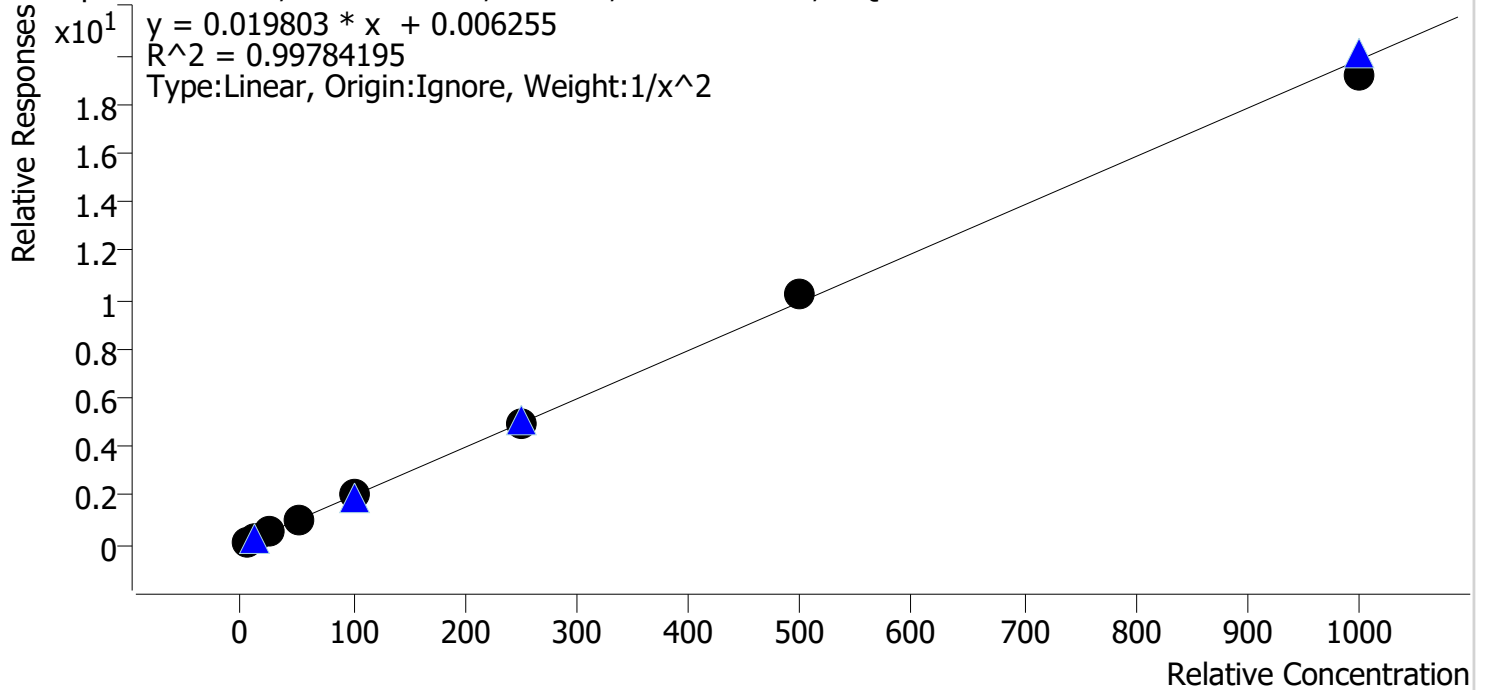
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	248.1	99.3
cal 7 mdq	7	✓	500.0	490.2	98.0
cal 8 mdq	8	✓	1000.0	976.3	97.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



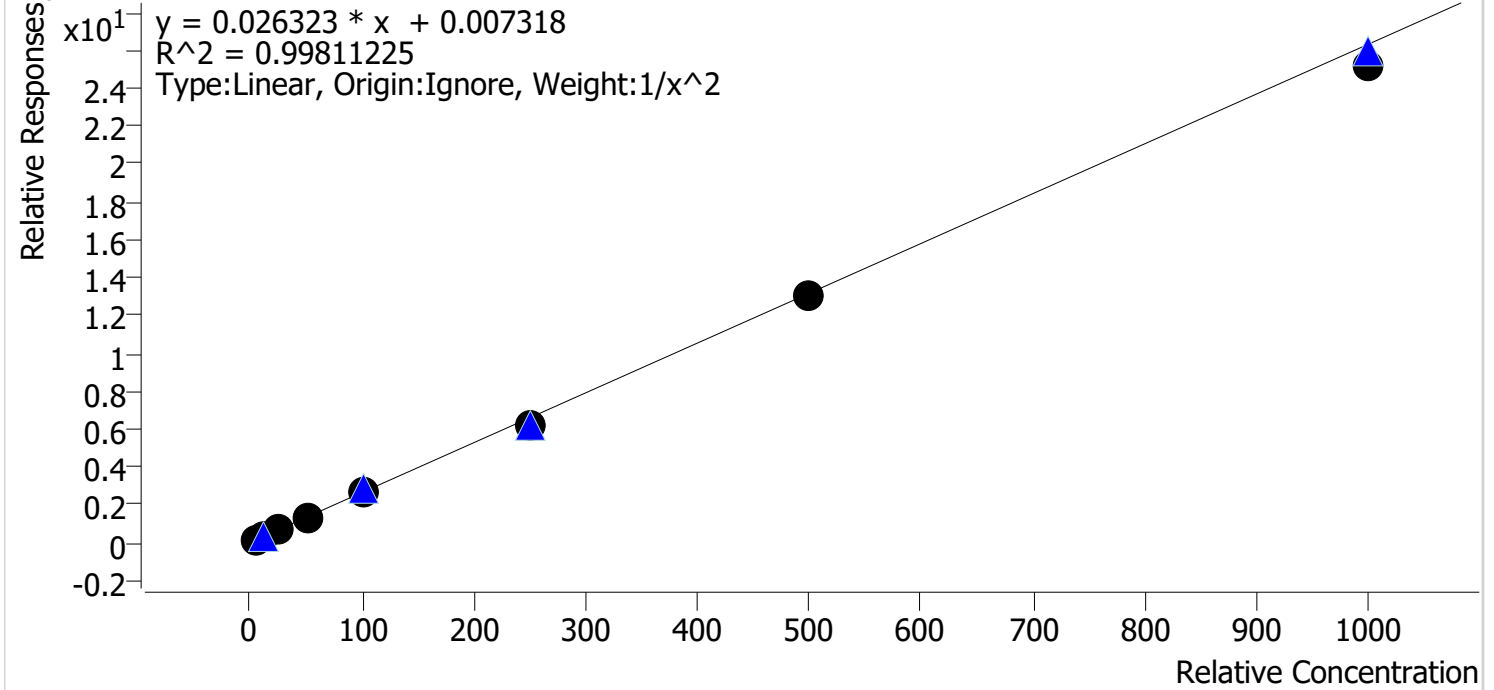
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.7
cal 2 mdq	2	✓	10.0	9.2	91.8
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	102.3	102.3
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	519.3	103.9
cal 8 mdq	8	✓	1000.0	971.0	97.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



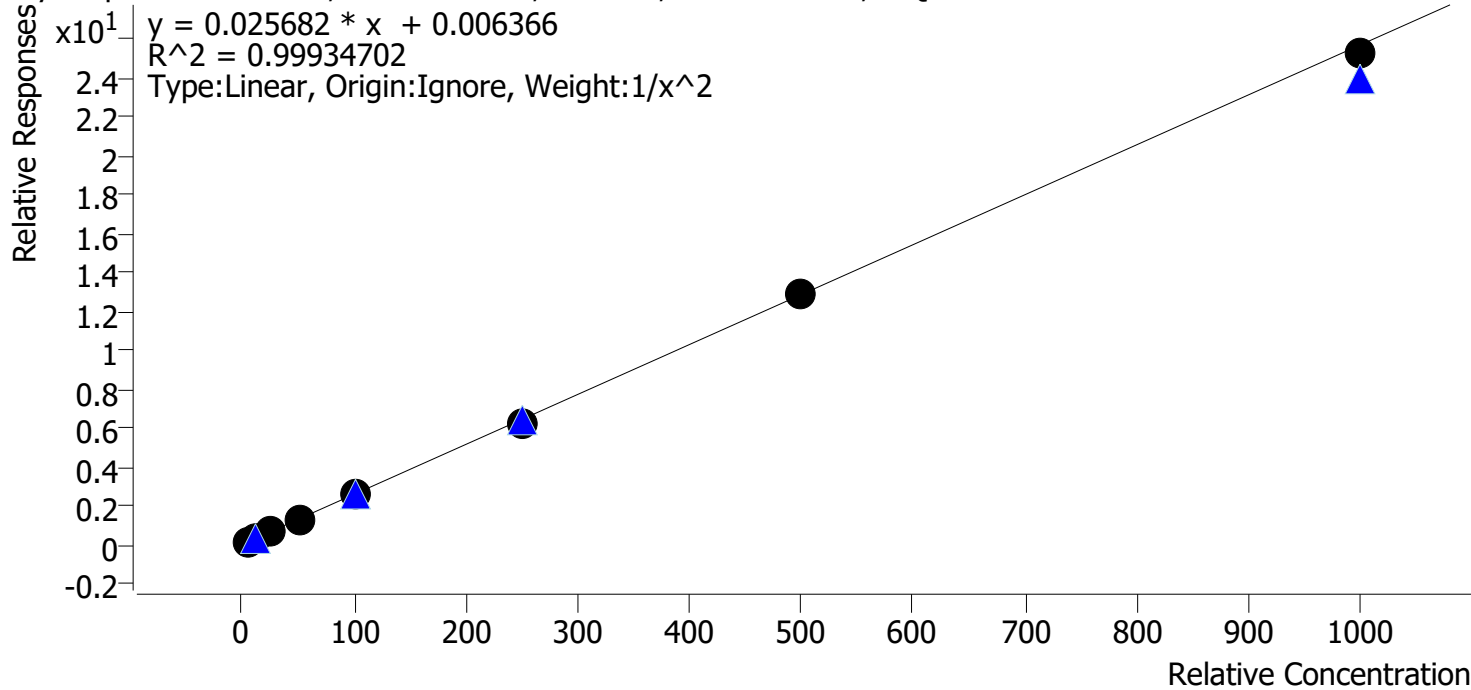
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	52.0	103.9
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	237.0	94.8
cal 7 mdq	7	✓	500.0	498.5	99.7
cal 8 mdq	8	✓	1000.0	957.9	95.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



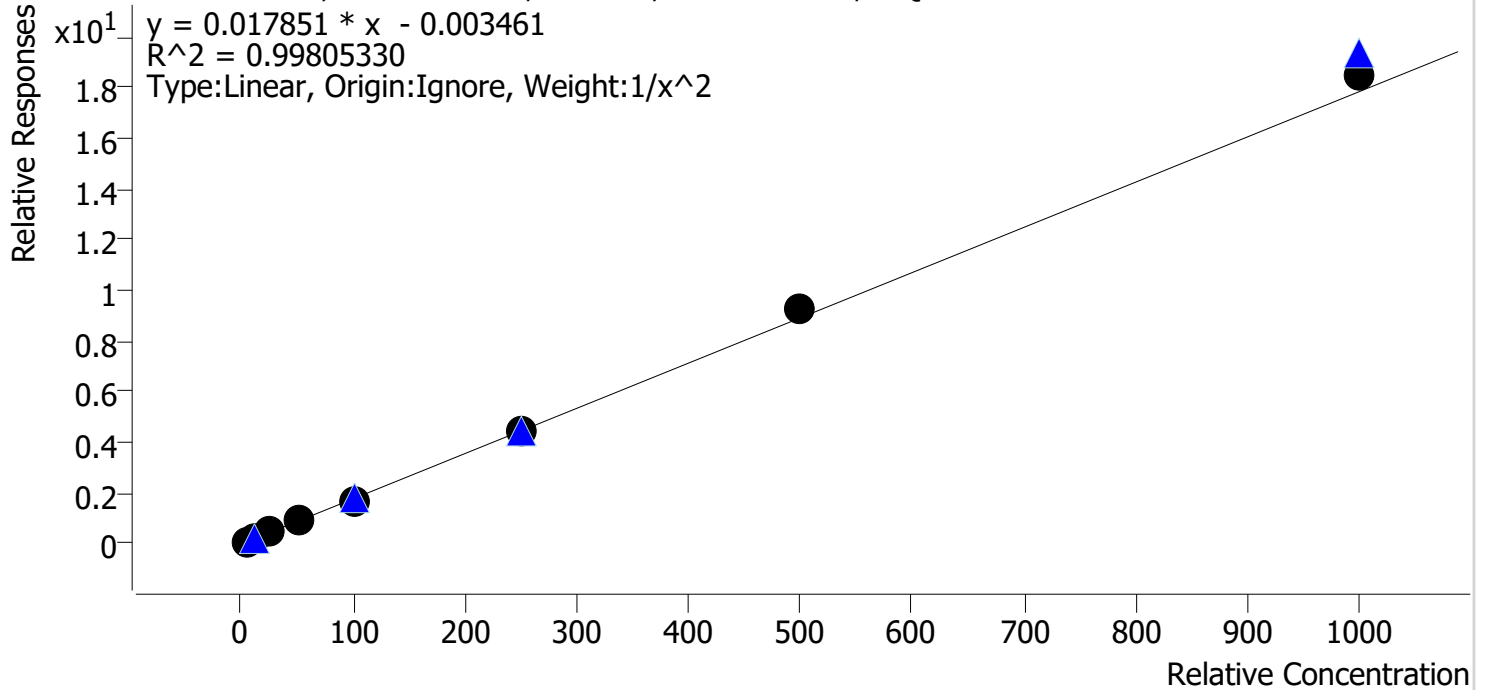
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	103.4	103.4
cal 6 mdq	6	✓	250.0	240.4	96.2
cal 7 mdq	7	✓	500.0	499.0	99.8
cal 8 mdq	8	✓	1000.0	982.7	98.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



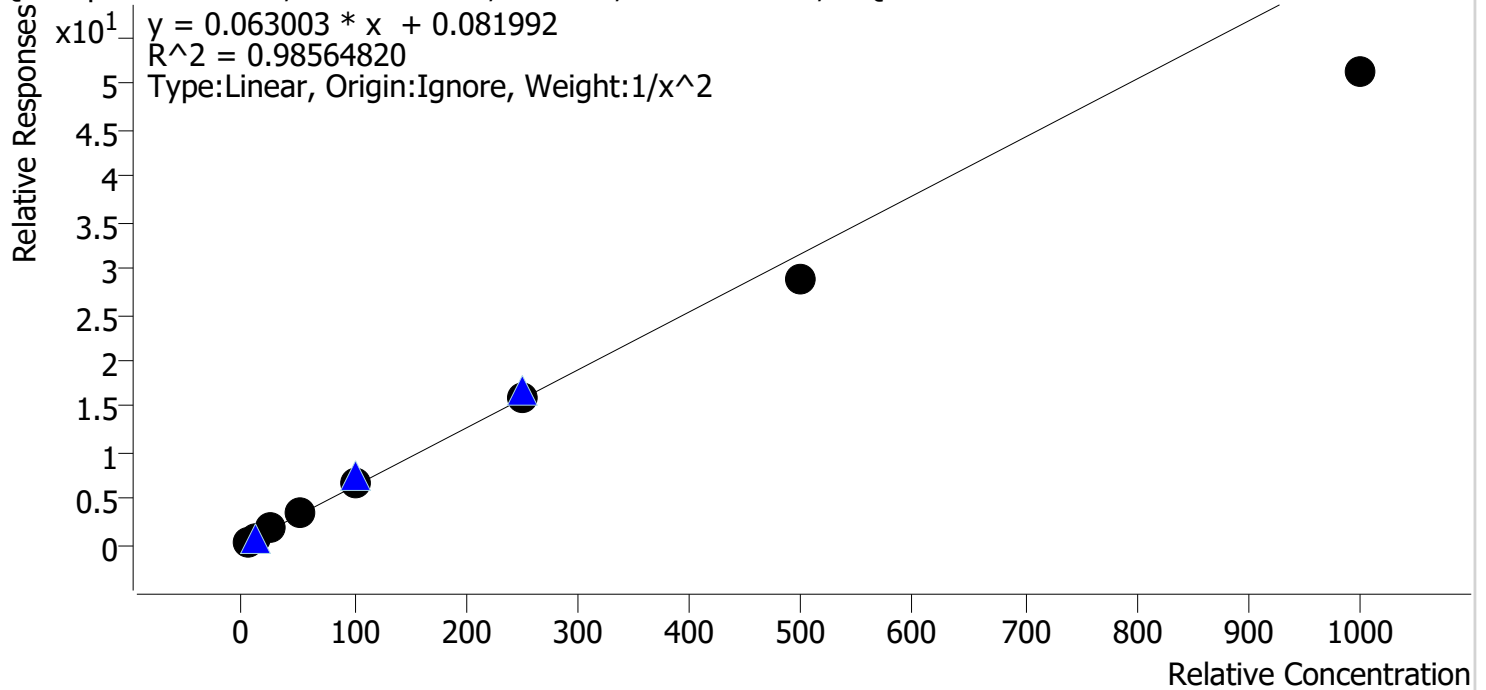
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	94.2	94.2
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	519.8	104.0
cal 8 mdq	8	✓	1000.0	1033.3	103.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



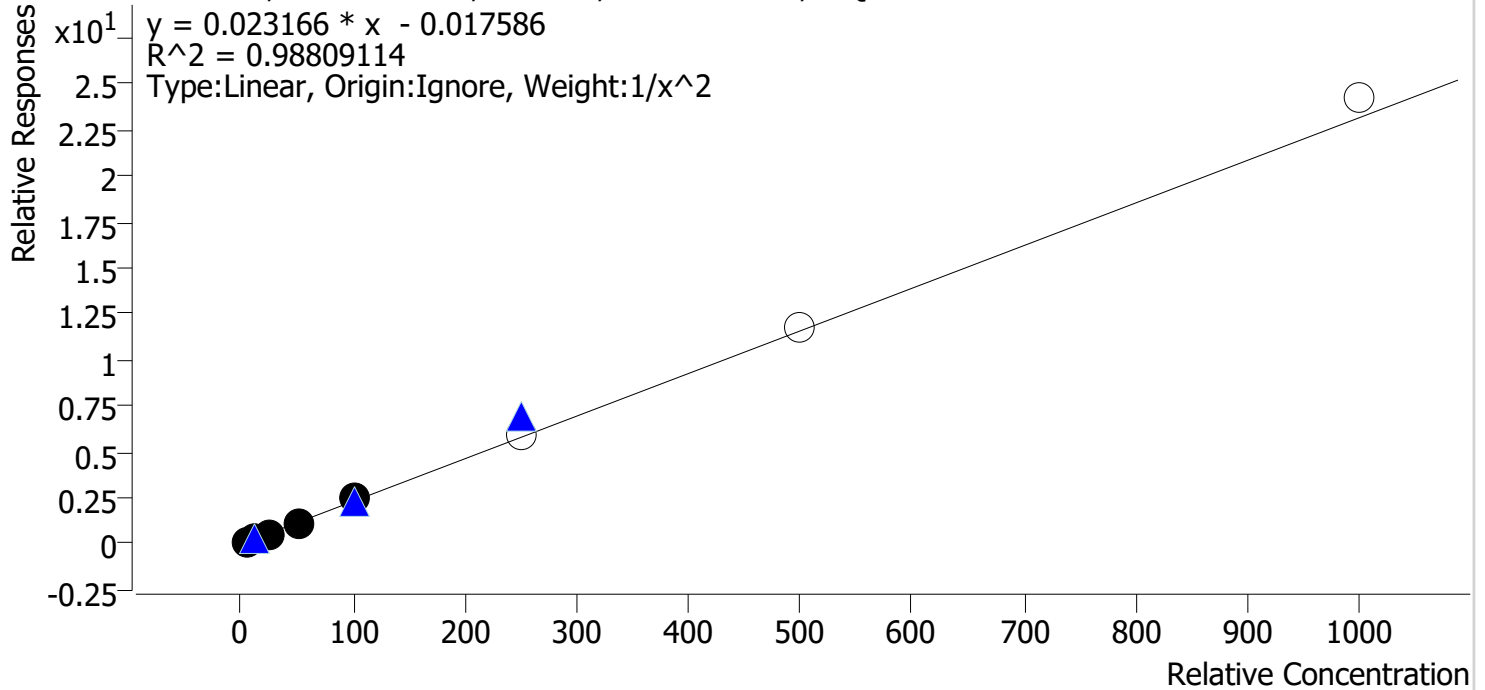
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.4
cal 2 mdq	2	✓	10.0	10.7	106.7
cal 3 mdq	3	✓	25.0	27.6	110.4
cal 4 mdq	4	✓	50.0	55.6	111.3
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	458.0	91.6
cal 8 mdq	8	✓	1000.0	812.5	81.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



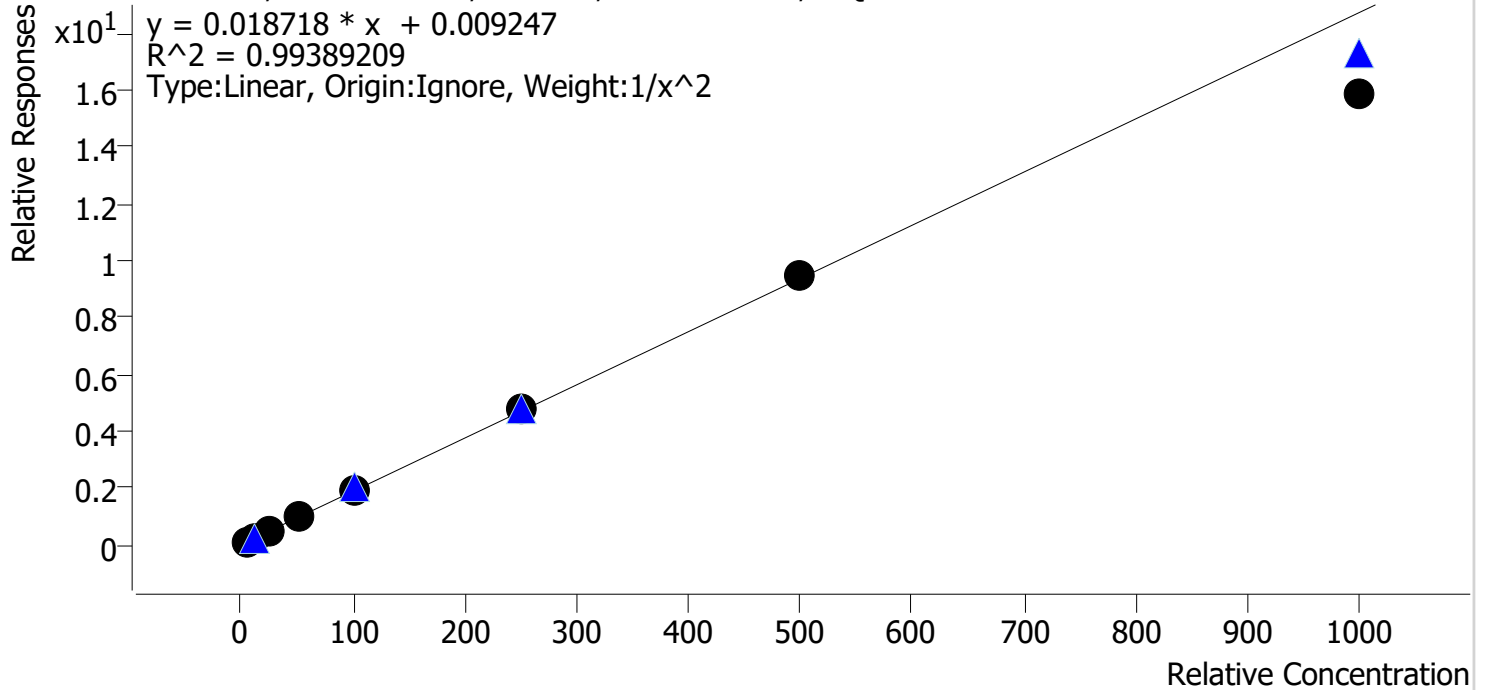
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	8.9	89.5
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	111.0	111.0
cal 6 mdq	6	✗	250.0	259.4	103.7
cal 7 mdq	7	✗	500.0	510.6	102.1
cal 8 mdq	8	✗	1000.0	1045.6	104.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



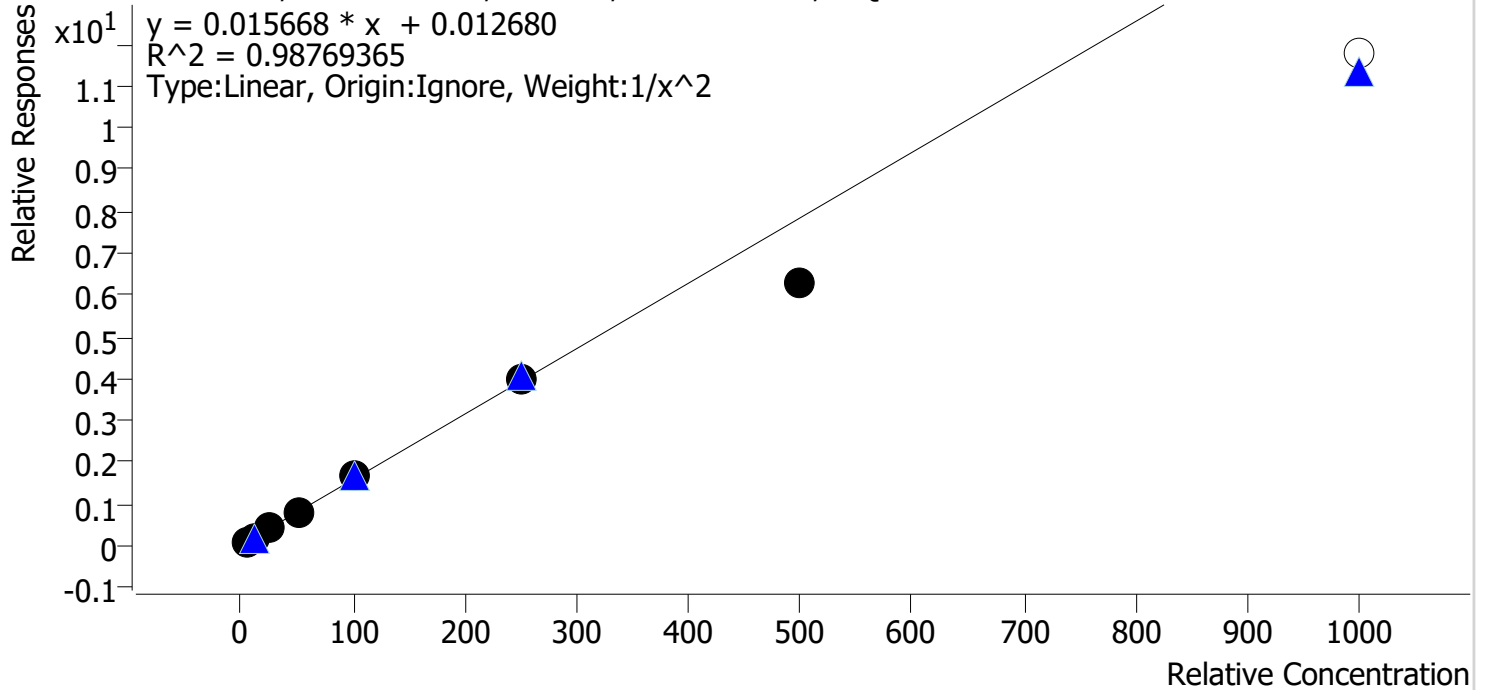
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	504.5	100.9
cal 8 mdq	8	✓	1000.0	850.1	85.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



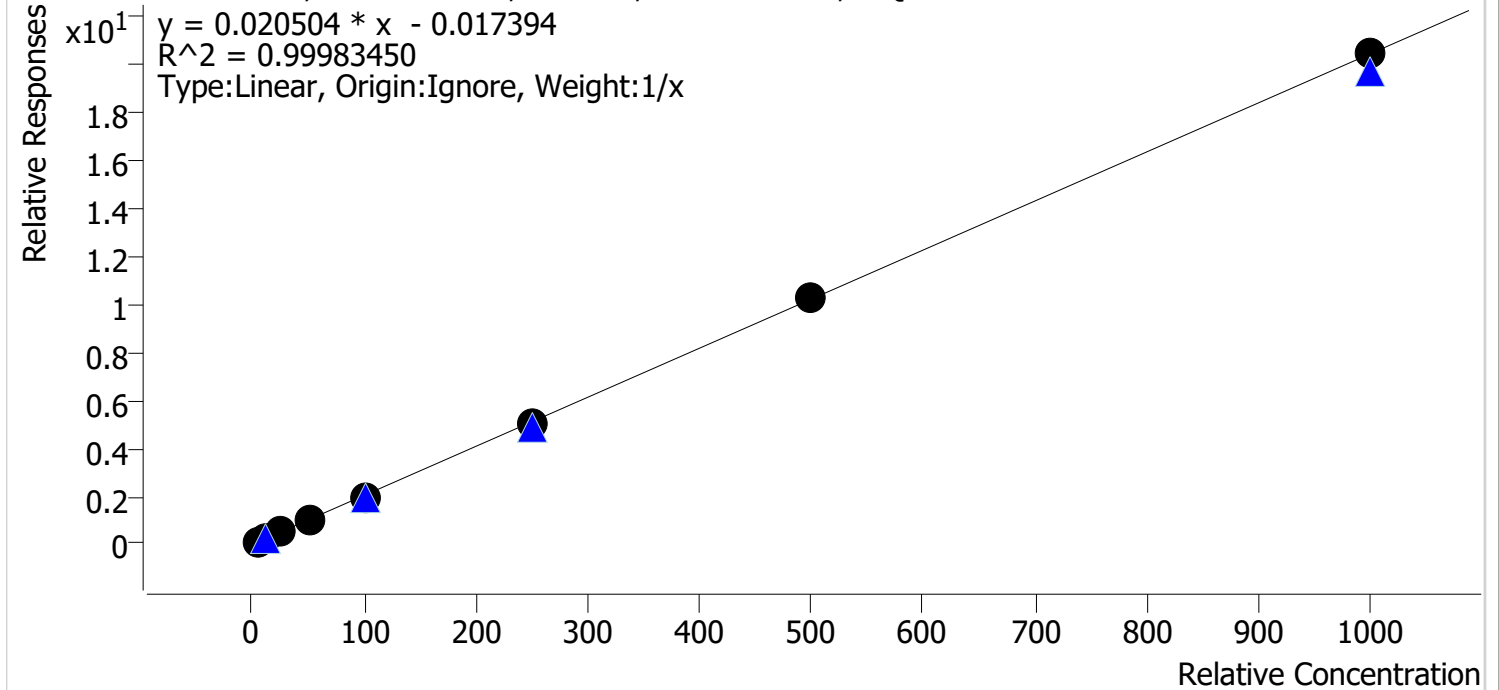
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.4	104.3
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	108.3	108.3
cal 6 mdq	6	✓	250.0	254.8	101.9
cal 7 mdq	7	✓	500.0	401.6	80.3
cal 8 mdq	8	✗	1000.0	750.9	75.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



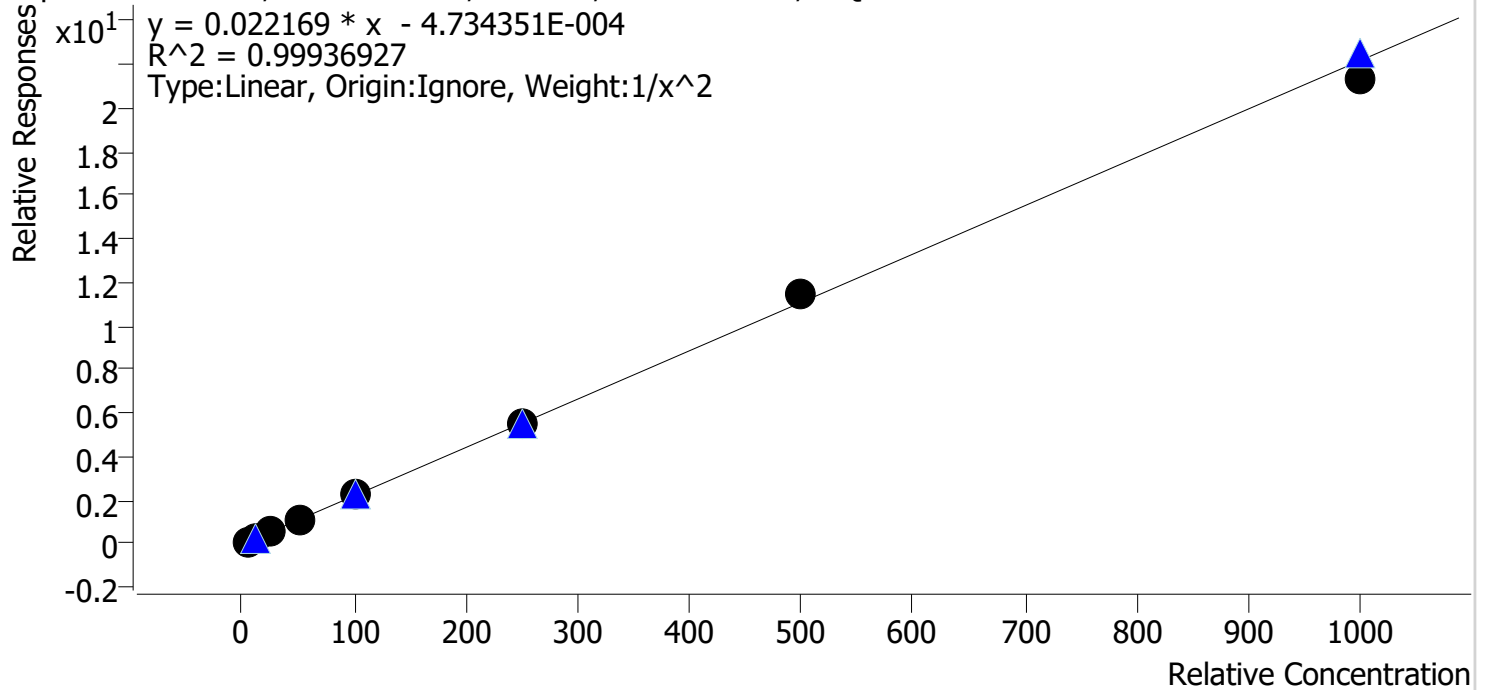
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.8
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	47.6	95.3
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	504.9	101.0
cal 8 mdq	8	✓	1000.0	1000.5	100.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



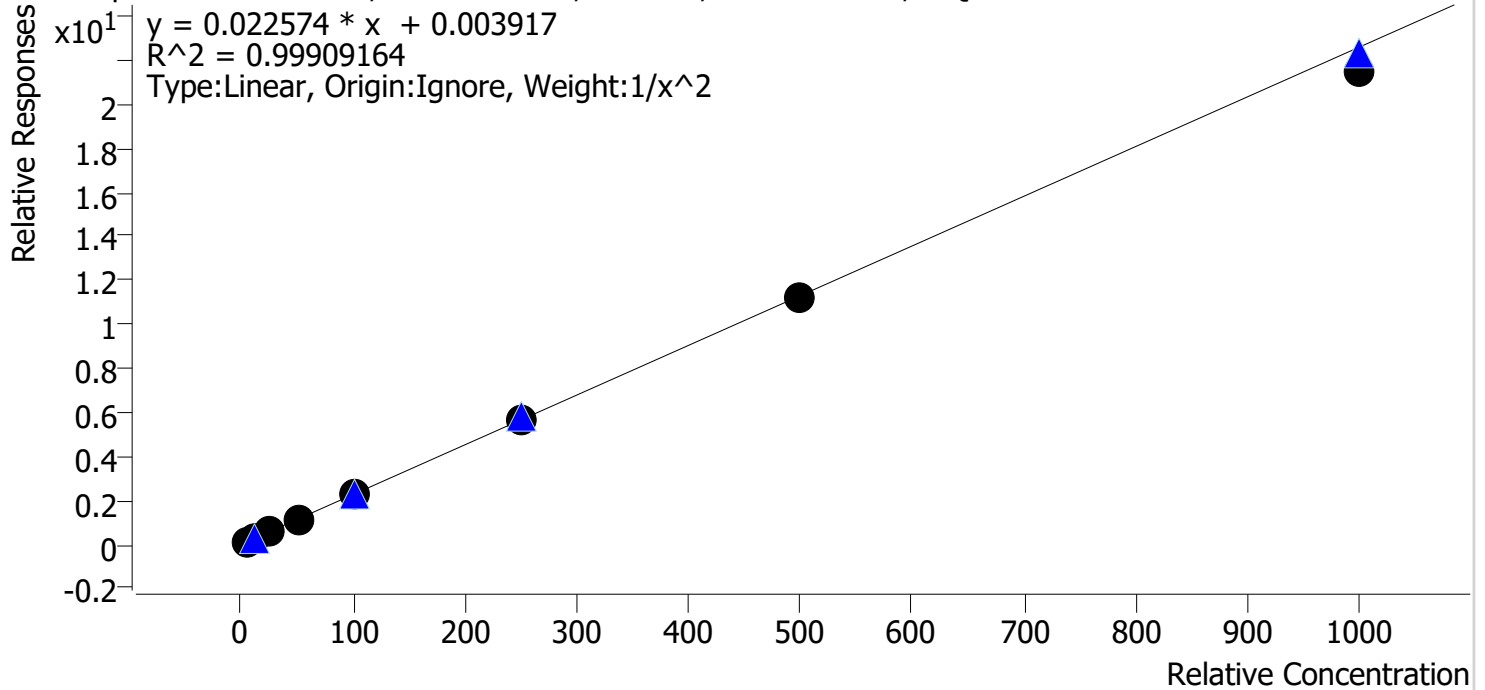
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	251.9	100.7
cal 7 mdq	7	✓	500.0	519.8	104.0
cal 8 mdq	8	✓	1000.0	966.0	96.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



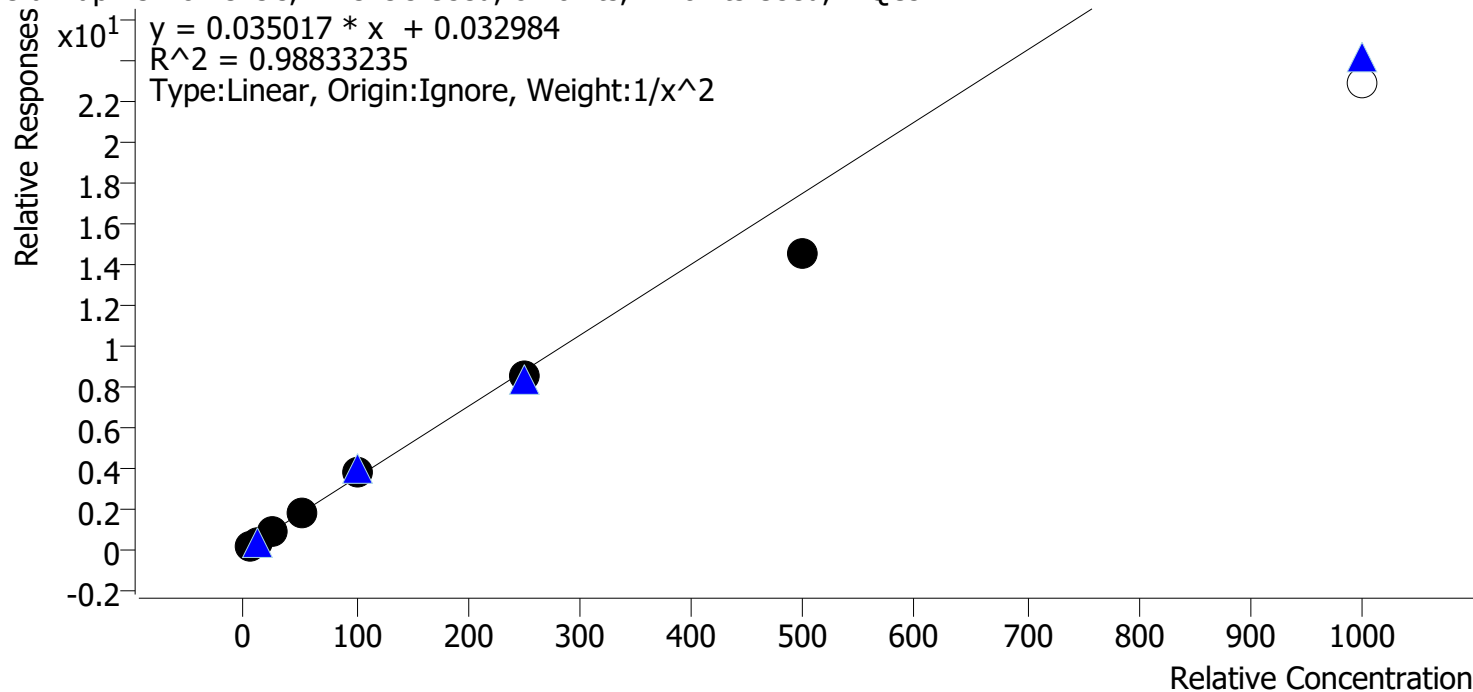
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	249.1	99.6
cal 7 mdq	7	✓	500.0	492.7	98.5
cal 8 mdq	8	✓	1000.0	951.3	95.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-d8

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



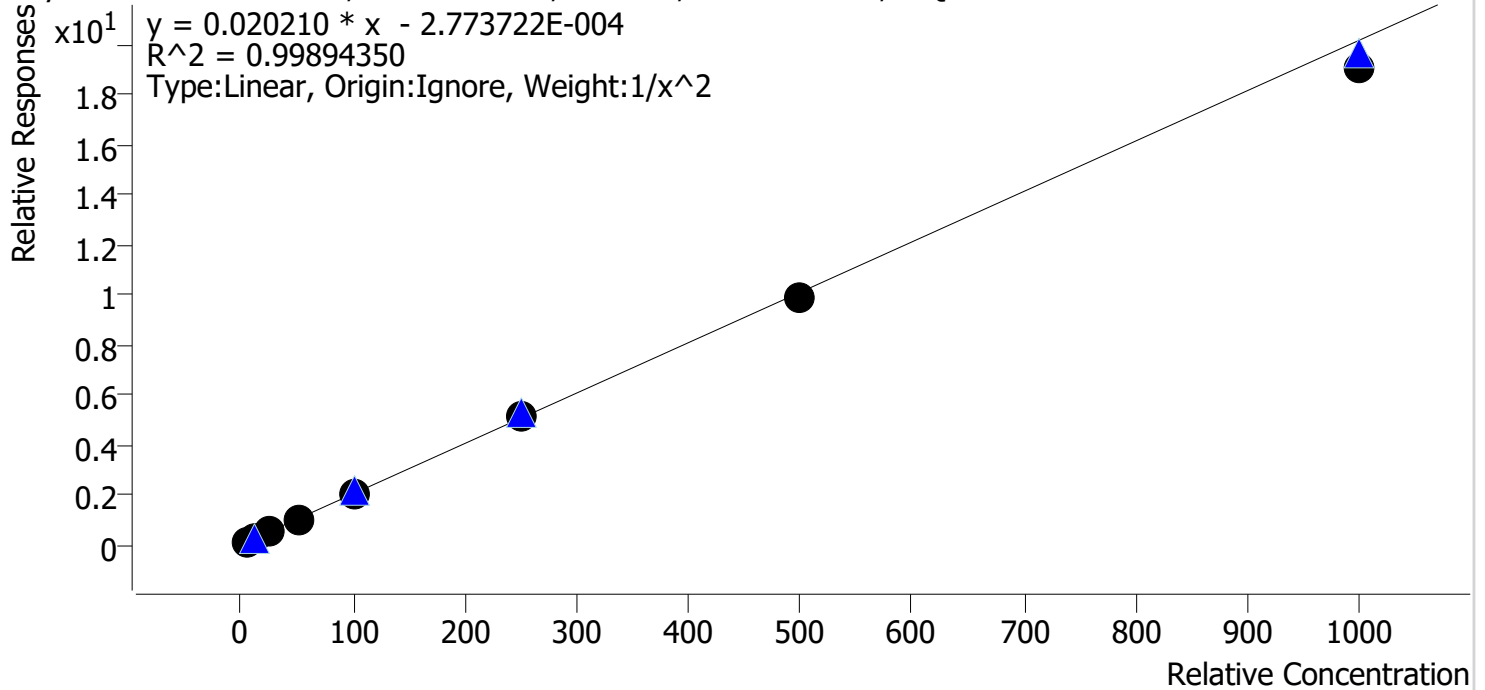
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.3
cal 2 mdq	2	✓	10.0	10.9	108.7
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	109.1	109.1
cal 6 mdq	6	✓	250.0	242.4	97.0
cal 7 mdq	7	✓	500.0	416.6	83.3
cal 8 mdq	8	✗	1000.0	653.5	65.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



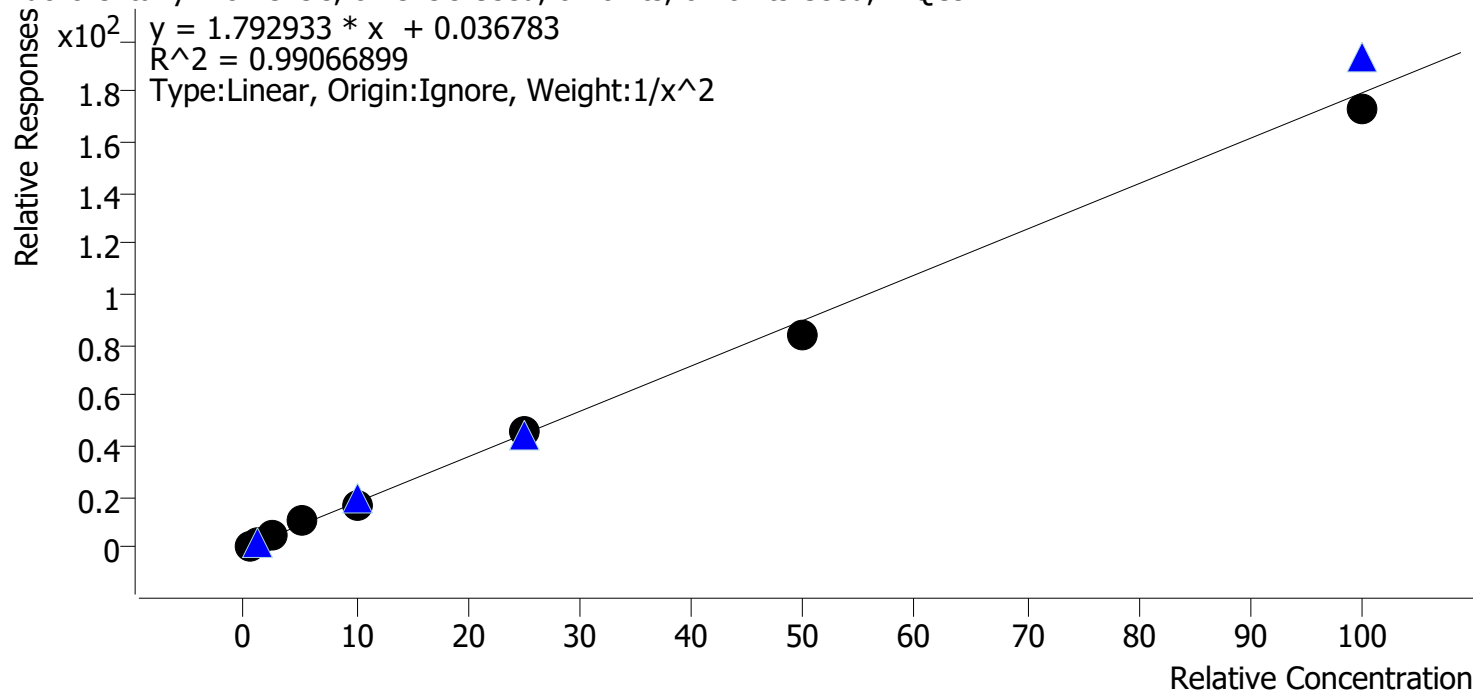
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.0
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.8	103.0
cal 4 mdq	4	✓	50.0	50.7	101.5
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	254.9	102.0
cal 7 mdq	7	✓	500.0	490.5	98.1
cal 8 mdq	8	✓	1000.0	942.9	94.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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



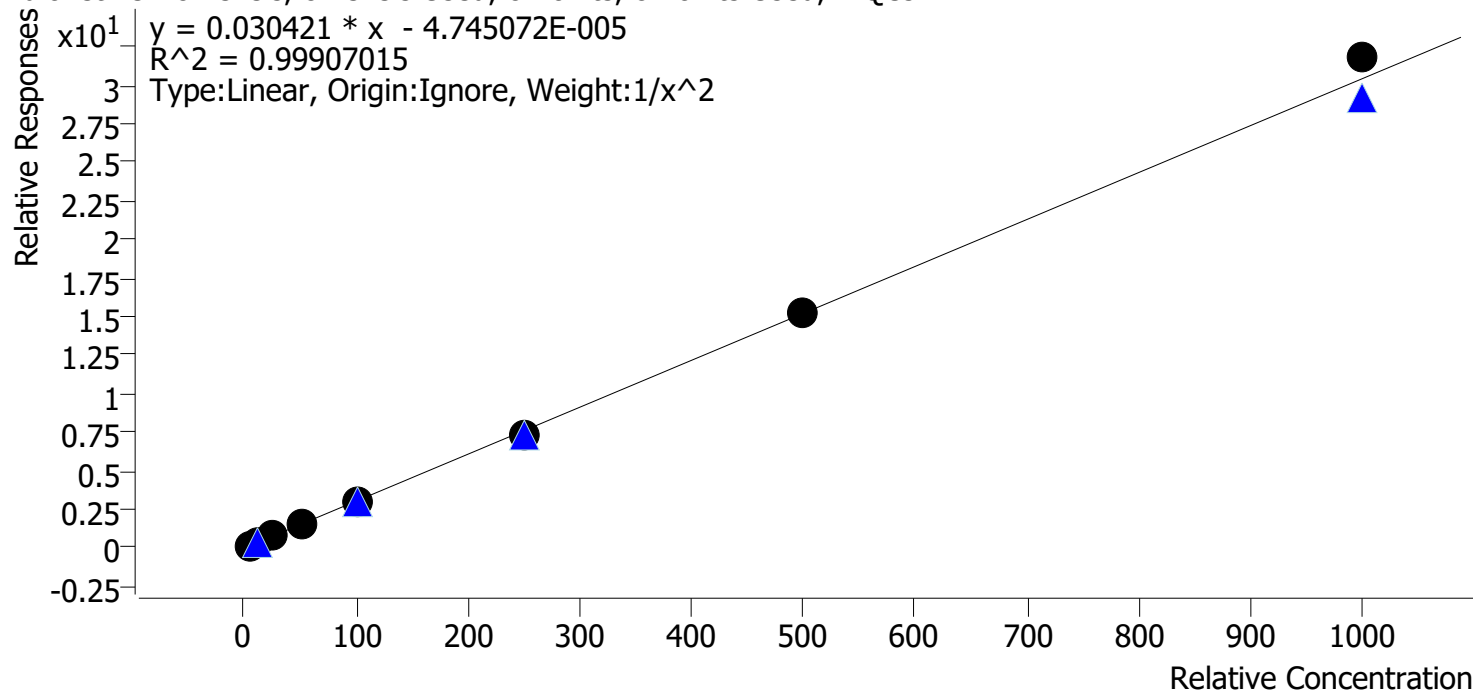
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.2
cal 2 mdq	2	✓	1.0	1.1	106.2
cal 3 mdq	3	✓	2.5	2.4	97.0
cal 4 mdq	4	✓	5.0	5.9	117.1
cal 5 mdq	5	✓	10.0	9.2	91.6
cal 6 mdq	6	✓	25.0	25.6	102.5
cal 7 mdq	7	✓	50.0	46.4	92.9
cal 8 mdq	8	✓	100.0	96.4	96.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
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	99.3
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	48.0	96.0
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	243.2	97.3
cal 7 mdq	7	✓	500.0	504.6	100.9
cal 8 mdq	8	✓	1000.0	1045.0	104.5

Compound Calibration Report

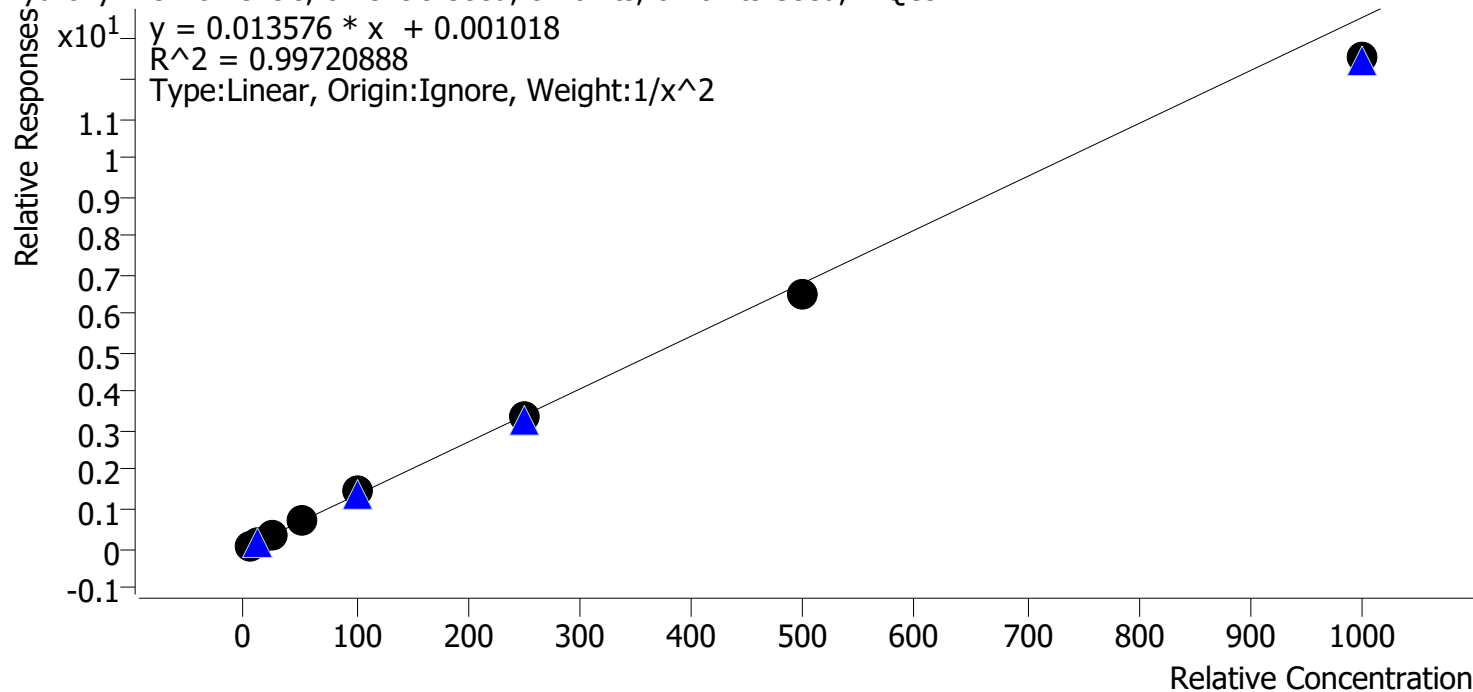


Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
Analyst Name ISP\datastor
Analyte Hydroxyzine

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	4.9	97.2
cal 2 mdq	2	✓	10.0	10.4	103.5
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	251.6	100.7
cal 7 mdq	7	✓	500.0	478.7	95.7
cal 8 mdq	8	✓	1000.0	924.5	92.4

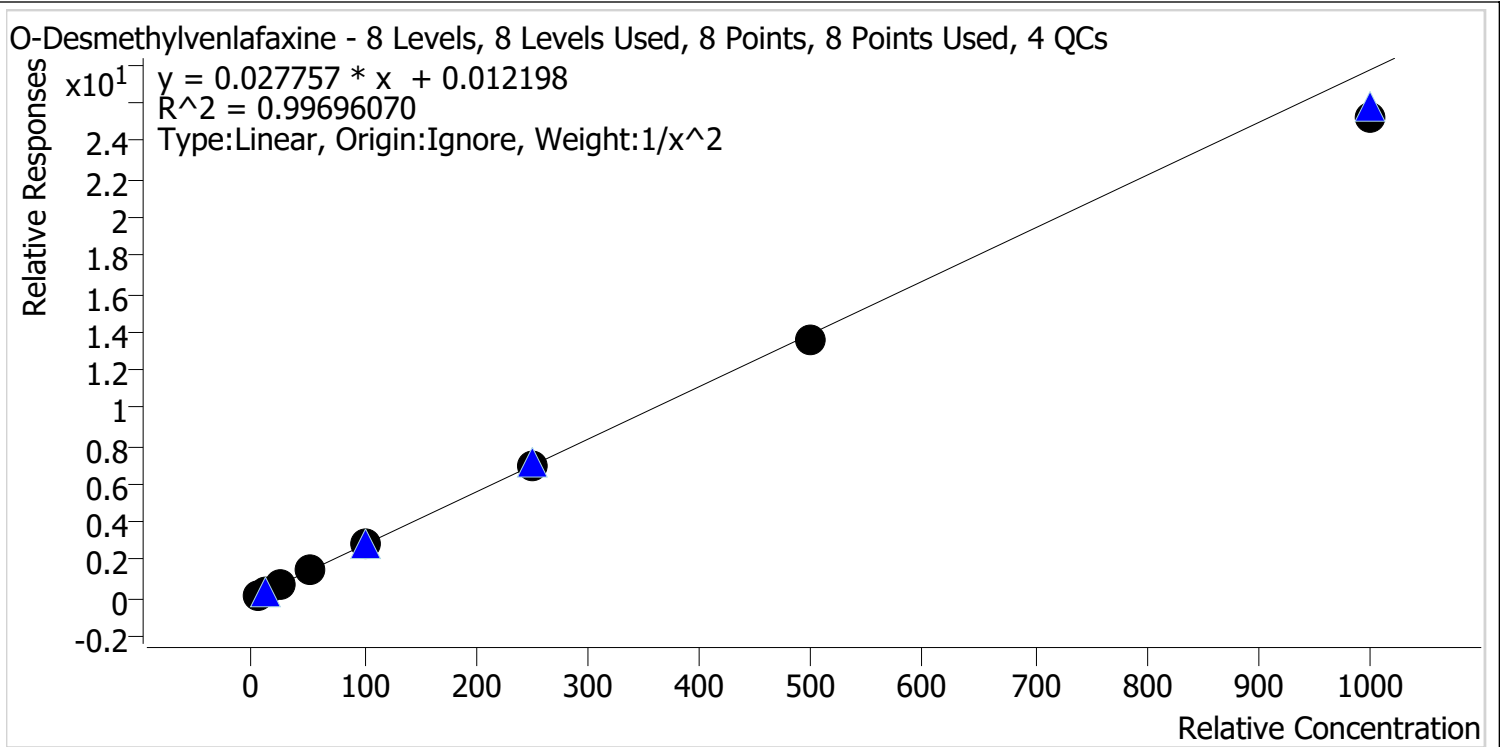
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Last Cal. Update 8/4/2023 12:19 PM
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	4.9	98.0
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	25.7	102.7
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	104.8	104.8
cal 6 mdq	6	✓	250.0	246.6	98.7
cal 7 mdq	7	✓	500.0	487.3	97.5
cal 8 mdq	8	✓	1000.0	910.1	91.0

AM #28 Multi-Drug Quant. Results

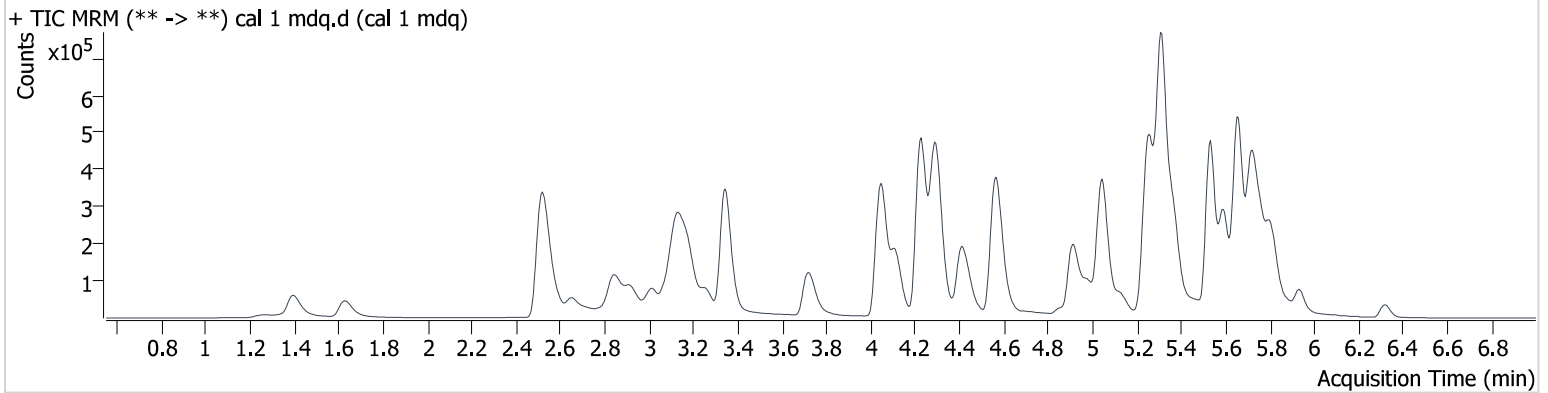
Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-A1
Injection Volume 3
Acq. Date-Time 7/31/2023 2:26:34 PM
Sample Info.

Data File cal 1 mdq.d
Sample cal 1 mdq
Operator Anne Nord
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	1484	5016.2	146.65	7058.0	81273	0.510 ng/ml
7-aminoclonazepam	4.257	15176	1094.7	115.09	2586.9	146268	4.937 ng/ml
a-hydroxyalprazolam	5.673	1986	20948.0	65.27	3567.1	17155	5.392 ng/ml
alpha-PHP	5.055	23594	6706.4	243.27	341251.5	270923	4.949 ng/ml
alpha-PVP	4.449	75239	3156.5	54.72	4856.5	600446	4.849 ng/ml
Alprazolam	5.757	21958	2307.1	95.37	1303.4	175001	4.900 ng/ml
Amphetamine	3.004	40143	1240.7	259.44	3683.4	270923	4.729 ng/ml
Benzoylcegonine	3.832	1574	242.1	43.50	115.0	11935	5.633 ng/ml
Buprenorphine	6.336	4147	3566.4	14.73	484.2	108009	0.507 ng/ml
Bupropion	4.958	68238	196469.9	69.00	2010.6	677883	4.791 ng/ml
Carisoprodol	5.707	25706	26316.3	62.56	1436.4	184373	4.981 ng/ml
Citalopram	5.239	60218	3433.7	38.65	50550.4	552817	4.968 ng/ml
Clonazepam	5.595	2618	1497.6	40.77	185.9	11792	4.824 ng/ml
Clonazepam	5.536	6626	4414.5	30.90	1373.8	24845	5.330 ng/ml
Cocaine	4.297	67930	198927.7	44.49	44905.2	1007305	5.057 ng/ml
Codeine	2.722	9714	30327.6	86.51	9877175.4	98532	4.680 ng/ml
Cyclobenzaprine	5.649	57191	9000.9	9.48	164.6	396742	5.055 ng/ml
Dextromethorphan	5.282	42491	658507.8	76.77	∞	431777	5.111 ng/ml
Dextrorphan	4.115	48217	81861.7	47.27	32190.2	468066	5.444 ng/ml
Diazepam	5.939	15352	∞	79.21	170851.0	138014	5.022 ng/ml
Dihydrocodeine	2.563	23912	3431.8	59.37	111.5	239603	4.952 ng/ml
Diphenhydramine	5.320	227236	19706.2	30.28	1065.2	1896354	5.308 ng/ml
Doxylamine	4.580	186562	13499.3	95.33	85920.0	1110235	4.989 ng/ml
Duloxetine	5.664	8073	92.6	10.33	438.1	53441	4.967 ng/ml
EDDP	5.256	87301	∞	43.04	∞	852555	4.985 ng/ml
Fentanyl	5.379	6571	7108.3	128.59	8437.6	657368	0.517 ng/ml
Fluorofentanyl	5.446	6143	5303.5	99.50	19.4	6830	0.481 ng/ml
Fluoxetine	5.715	49152	36560.2	6.96	3394.4	369448	4.981 ng/ml
Hydrocodone	3.129	24626	1892080.1	38.36	222.7	282996	4.906 ng/ml
Hydromorphone	1.653	24504	2072.2	68.01	537.6	145105	4.948 ng/ml
Hydroxyzine	5.822	75959	35493.6	118.03	45640.4	1133674	4.860 ng/ml
Ketamine	4.316	48633	34940.7	36.82	2319.4	366266	5.043 ng/ml
Lamotrigine	4.371	4686	∞	102.98	2063.0	1133674	4.810 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.735	1418	170.4	44.11	11.9	20430	4.505 ng/ml
MDA	3.171	52704	2034.2	30.01	∞	411377	4.878 ng/ml
MDMA	3.268	52182	∞	96.49	14708.4	106479	5.132 ng/ml
Meprobamate	4.876	5923	1018.6	40.54	278.4	58652	4.982 ng/ml
Methadone	5.663	123030	10058.1	52.48	8049.1	944558	5.052 ng/ml
Methamphetamine	3.187	163579	3439.8	36.68	560.1	728229	4.823 ng/ml
Metoprolol	4.314	18437	∞	99.02	11262.3	411377	5.049 ng/ml
Mirtazapine	5.132	112705	204533.1	50.99	∞	435693	4.885 ng/ml
Mitragynine	5.477	28877	177815.6	27.88	7873.0	1133674	5.179 ng/ml
Morphine	1.277	4171	∞	18.60	∞	9086	4.883 ng/ml
Norbuprenorphine	5.010	770	2309.5	101.75	2875.8	20710	0.460 ng/ml
Nordiazepam	5.888	3760	9113.2	57.84	∞	24845	5.190 ng/ml
Norfentanyl	4.066	1146	115.0	308.26	424.4	836294	0.490 ng/ml
Norhydrocodone	3.043	5077	235.3	21.75	1063.5	118472	5.033 ng/ml
Noroxycodone	2.879	19296	∞	47.10	∞	125070	4.908 ng/ml
O-desmethyl-tramadol	3.349	130639	123848.7	6.90	11713.5	1058849	4.989 ng/ml
O-Desmethylvenlafaxine	4.059	37560	94.6	529.35	9036.1	253471	4.899 ng/ml
Olanzapine	5.038	48813	4848.7	42.30	205.2	246358	4.716 ng/ml
Oxazepam	5.737	2226	55.1	76.24	217.4	20430	5.187 ng/ml
Oxycodone	2.883	50357	2906.1	29.08	1377.7	364201	4.975 ng/ml
Oxymorphone	1.409	35228	∞	42.78	∞	262207	4.983 ng/ml
Promethazine	5.601	61003	103528.7	39.67	∞	690135	5.146 ng/ml
Pseudoephedrine	2.531	131695	∞	18.13	5698.0	1133674	4.972 ng/ml
Quetiapine	5.806	100754	21374.2	59.99	3337.4	267848	4.669 ng/ml
Sertraline	5.804	10639	15088.6	105.19	∞	101829	5.269 ng/ml
Tramadol	4.238	123260	2911.5	4.23	91.0	1214195	4.930 ng/ml
Trazodone	5.770	59046	5943.2	143.60	11235.4	670701	4.809 ng/ml
Venlafaxine	5.049	97371	20166.7	36.42	622.7	1011872	5.542 ng/ml
Zolpidem	5.543	149106	403710.0	33.17	∞	1340313	5.040 ng/ml

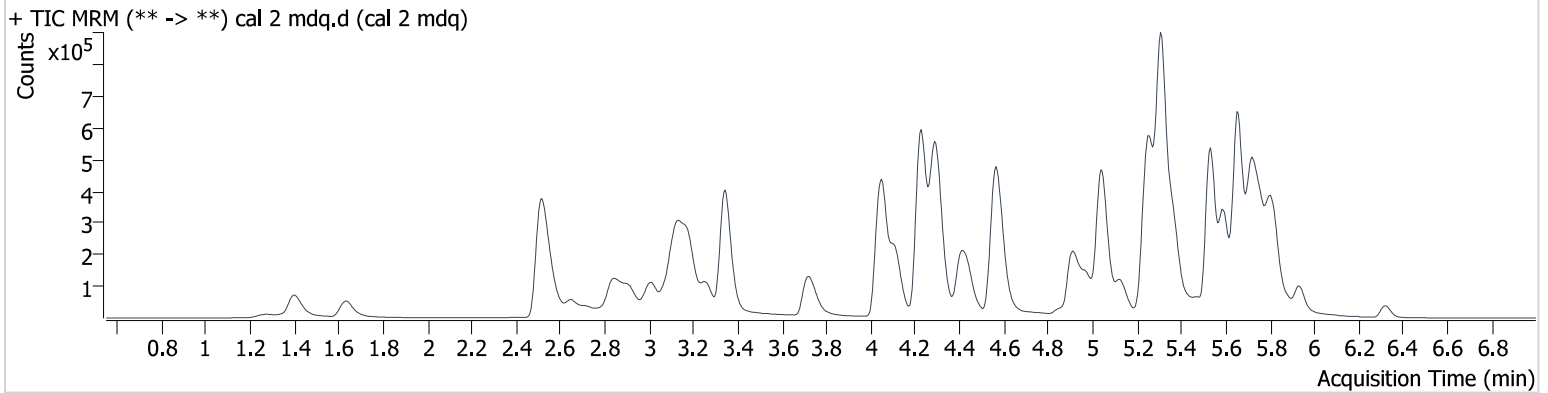
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\073123\QuantResults\mdq.batch.bin
Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-B1
Injection Volume 3
Acq. Date-Time 7/31/2023 2:35:26 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	2902	8308.6	137.92	10396.8	80345	0.975 ng/ml
7-aminoclonazepam	4.252	31121	1936.0	111.61	2266.0	153618	9.960 ng/ml
a-hydroxyalprazolam	5.678	3766	518.1	49.97	5042.5	20151	8.866 ng/ml
alpha-PHP	5.055	45953	2506.6	254.40	15477.2	274211	9.871 ng/ml
alpha-PVP	4.444	155148	∞	55.69	5736.4	631618	10.105 ng/ml
Alprazolam	5.751	47802	∞	85.99	477.3	194788	10.030 ng/ml
Amphetamine	3.004	79350	2795.5	269.07	∞	274211	10.385 ng/ml
Benzoylcegonine	3.837	3040	361.7	44.90	234.1	11490	10.089 ng/ml
Buprenorphine	6.335	8585	3763.2	14.87	3976.1	118534	0.977 ng/ml
Bupropion	4.958	147157	437418.6	66.59	11675.4	719073	10.387 ng/ml
Carisoprodol	5.707	53593	50586.2	65.13	346.8	190002	9.947 ng/ml
Citalopram	5.239	124975	5410.1	40.41	∞	585551	9.966 ng/ml
Clonazepam	5.589	6694	1638.4	37.85	265.1	13049	10.423 ng/ml
Clonazepam	5.531	11083	2060.9	37.87	2876.3	29326	8.163 ng/ml
Cocaine	4.297	139689	∞	44.71	19057.7	1080908	9.774 ng/ml
Codeine	2.722	20491	∞	90.27	3617.4	100436	10.553 ng/ml
Cyclobenzaprine	5.649	113180	74262.9	9.91	1274.2	408267	9.624 ng/ml
Dextromethorphan	5.282	89429	142416.6	77.90	557386.0	445245	9.789 ng/ml
Dextrorphan	4.115	101195	∞	47.59	∞	497738	9.991 ng/ml
Diazepam	5.939	34359	2849.1	85.80	220389.3	152545	9.985 ng/ml
Dihydrocodeine	2.563	49459	14980.0	63.55	399.2	244427	10.026 ng/ml
Diphenhydramine	5.320	451814	∞	31.38	4855.1	2128641	9.190 ng/ml
Doxylamine	4.574	382204	41504.6	96.38	178384.3	1178257	9.980 ng/ml
Duloxetine	5.658	16711	279.6	9.12	15.4	53837	10.205 ng/ml
EDDP	5.256	171964	364878.3	43.22	102936.2	843837	9.940 ng/ml
Fentanyl	5.379	12827	1373.4	123.06	∞	691019	0.942 ng/ml
Fluorofentanyl	5.446	13241	5213.5	93.89	276.2	6821	1.062 ng/ml
Fluoxetine	5.715	99305	33919.1	6.06	8306.3	369118	10.053 ng/ml
Hydrocodone	3.129	48699	5675.3	40.25	∞	289119	9.982 ng/ml
Hydromorphone	1.648	43348	1211.3	71.36	2035.7	140560	9.859 ng/ml
Hydroxyzine	5.822	162719	76845.8	114.67	45564.2	1149150	10.355 ng/ml
Ketamine	4.316	101792	∞	38.29	6698.6	386101	9.927 ng/ml
Lamotrigine	4.366	9649	631.4	102.18	884.6	1149150	10.348 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	3466	2317.4	40.17	12.9	23341	9.660 ng/ml
MDA	3.171	102882	2967.3	29.95	∞	402404	10.165 ng/ml
MDMA	3.262	106537	6998523.8	98.92	16274.8	117797	9.378 ng/ml
Meprobamate	4.876	12023	5246.8	48.10	2078.9	60681	9.988 ng/ml
Methadone	5.663	254565	∞	50.65	12948.1	993460	9.822 ng/ml
Methamphetamine	3.187	269688	12111.6	34.40	1194.4	750714	10.054 ng/ml
Metoprolol	4.313	37315	∞	101.41	∞	402404	9.921 ng/ml
Mirtazapine	5.127	232758	∞	50.32	∞	456337	10.039 ng/ml
Mitragynine	5.477	58792	138493.6	28.37	22411.6	1149150	9.539 ng/ml
Morphine	1.277	7880	∞	19.53	1390.3	8716	9.966 ng/ml
Norbuprenorphine	5.010	1577	4269.7	99.54	896.5	21136	1.145 ng/ml
Nordiazepam	5.888	8032	∞	66.20	∞	29326	9.154 ng/ml
Norfentanyl	4.066	2137	110.9	336.09	661.3	843770	0.998 ng/ml
Norhydrocodone	3.038	10255	∞	24.47	∞	119521	9.679 ng/ml
Noroxycodone	2.879	37936	4994982544 9237.6	50.33	∞	125673	10.036 ng/ml
O-desmethyl-tramadol	3.349	266526	28464.1	6.87	4652.4	1107549	9.901 ng/ml
O-Desmethylvenlafaxine	4.059	78185	2415.9	514.19	12555.5	265999	10.150 ng/ml
Olanzapine	5.038	112296	8007.0	41.40	3644.0	271598	10.866 ng/ml
Oxazepam	5.737	4388	156.0	74.22	311.4	23341	9.178 ng/ml
Oxycodone	2.878	98693	11480.0	28.53	3081.2	371578	9.812 ng/ml
Oxymorphone	1.409	70891	∞	43.02	∞	270426	9.959 ng/ml
Promethazine	5.607	121337	189160.5	49.17	4735.1	735805	9.432 ng/ml
Pseudoephedrine	2.526	262060	10764.4	17.86	∞	1149150	9.929 ng/ml
Quetiapine	5.806	212497	211670.0	59.18	101033.6	281771	10.669 ng/ml
Sertraline	5.804	19585	∞	115.39	∞	103267	8.946 ng/ml
Tramadol	4.233	252849	10185.8	4.26	424.5	1305042	9.857 ng/ml
Trazodone	5.770	123243	11275.9	143.49	37442.1	700035	10.427 ng/ml
Venlafaxine	5.044	194240	8403.8	38.77	3670.8	1057343	9.808 ng/ml
Zolpidem	5.543	303119	404273.9	31.16	∞	1395271	9.821 ng/ml

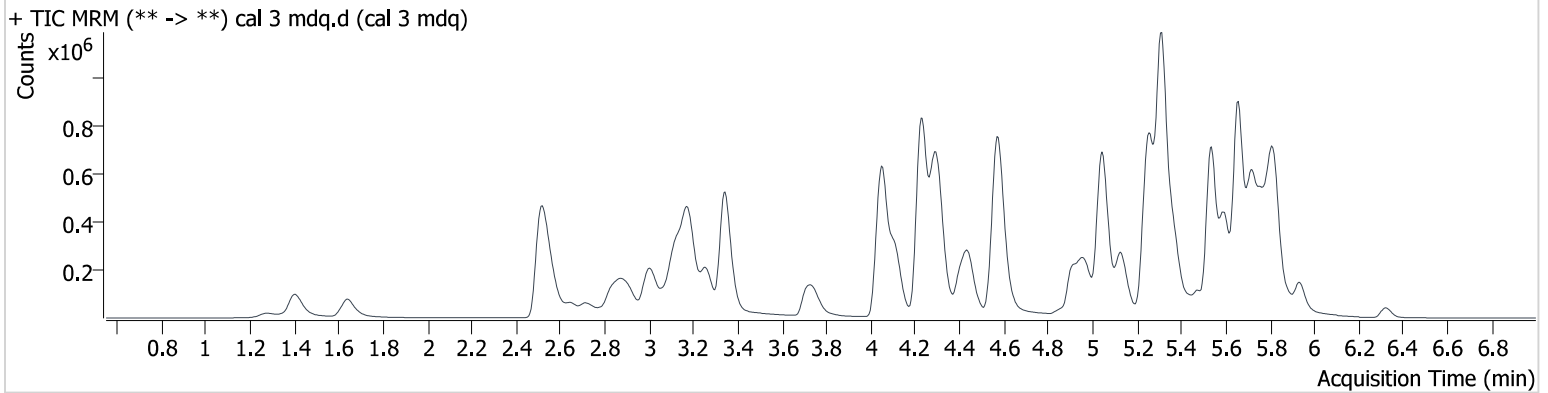
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-C1
Injection Volume 3
Acq. Date-Time 7/31/2023 2:44:08 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	7041	12056.1	138.37	18296.6	74480	2.497 ng/ml
7-aminoclonazepam	4.252	76695	20252.1	111.87	7440.1	149168	25.795 ng/ml
a-hydroxyalprazolam	5.678	9034	37335.4	57.80	5264.7	18828	23.169 ng/ml
alpha-PHP	5.055	114131	14043.8	250.74	150574.6	266227	25.836 ng/ml
alpha-PVP	4.444	386672	∞	53.91	14219.6	612641	26.945 ng/ml
Alprazolam	5.751	114116	3346.3	91.11	∞	179765	26.684 ng/ml
Amphetamine	2.999	194601	6462.4	290.24	∞	266227	28.073 ng/ml
Benzoylcegonine	3.827	7836	1484.5	35.68	100.7	11743	23.618 ng/ml
Buprenorphine	6.335	21311	4049.3	15.63	25750.8	119962	2.430 ng/ml
Bupropion	4.958	360886	156371.7	70.04	11990.3	713631	26.590 ng/ml
Carisoprodol	5.707	132053	404476.4	60.97	12788.8	178478	25.888 ng/ml
Citalopram	5.239	302810	3452.5	40.57	2441019.8	563321	25.467 ng/ml
Clonazepam	5.589	15435	3480.0	38.29	1309.6	11478	26.424 ng/ml
Clonazepam	5.531	29824	13814.6	38.07	12264.6	26361	27.358 ng/ml
Cocaine	4.292	339605	43461.2	45.55	902749.9	1024863	25.203 ng/ml
Codeine	2.717	51267	18949.5	85.40	13376.7	96697	28.723 ng/ml
Cyclobenzaprine	5.649	279341	114295.4	9.98	8005.0	377758	25.495 ng/ml
Dextromethorphan	5.282	226539	∞	76.36	502412.7	438327	24.215 ng/ml
Dextrorphan	4.115	256637	1152570.2	44.72	318390.8	486759	24.676 ng/ml
Diazepam	5.939	83699	1527.1	86.04	∞	149531	24.546 ng/ml
Dihydrocodeine	2.563	122115	792.8	60.75	317.9	234759	25.753 ng/ml
Diphenhydramine	5.320	1152205	169548.4	32.04	∞	2100600	23.315 ng/ml
Doxylamine	4.580	961065	357800.3	96.46	∞	1200132	25.189 ng/ml
Duloxetine	5.653	39791	278.9	9.67	1404.1	52148	25.085 ng/ml
EDDP	5.256	439117	∞	43.37	338216.7	829480	25.852 ng/ml
Fentanyl	5.384	34139	21252.7	120.75	∞	690992	2.474 ng/ml
Fluorofentanyl	5.441	30728	27215.3	114.10	33845.7	7005	2.426 ng/ml
Fluoxetine	5.715	234788	∞	6.71	21500.8	348833	25.122 ng/ml
Hydrocodone	3.124	121606	1219.5	38.71	∞	279053	26.650 ng/ml
Hydromorphone	1.648	105963	1874.3	71.58	2455.9	137119	26.206 ng/ml
Hydroxyzine	5.827	397690	161186.8	116.16	495.1	1127970	25.895 ng/ml
Ketamine	4.316	242113	∞	38.36	4458.2	363050	24.978 ng/ml
Lamotrigine	4.366	23403	4503.2	98.94	9581.7	1127970	26.393 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	8687	1447.4	40.39	74.1	21683	26.090 ng/ml
MDA	3.166	243356	10525.6	29.97	∞	378985	26.181 ng/ml
MDMA	3.262	267517	552284.6	96.79	54325.5	106545	25.841 ng/ml
Meprobamate	4.876	28925	2878.9	48.74	1529.6	57595	25.657 ng/ml
Methadone	5.663	648319	152417.6	49.48	30582.0	998952	24.691 ng/ml
Methamphetamine	3.182	604606	7318.6	34.70	∞	739797	27.854 ng/ml
Metoprolol	4.313	88051	∞	98.12	∞	378985	24.119 ng/ml
Mirtazapine	5.132	583158	1338968.3	50.02	∞	440808	26.707 ng/ml
Mitragynine	5.477	150946	379012.5	27.21	37833.0	1127970	23.567 ng/ml
Morphine	1.277	20905	∞	16.98	∞	8961	26.282 ng/ml
Norbuprenorphine	5.005	3106	3749.7	107.41	4560.3	20480	2.554 ng/ml
Nordiazepam	5.888	20658	48896.0	59.92	54293.9	26361	25.645 ng/ml
Norfentanyl	4.066	5447	729.9	317.74	794.9	832542	2.752 ng/ml
Norhydrocodone	3.038	28315	∞	21.25	∞	120635	25.787 ng/ml
Noroxycodone	2.879	90236	∞	48.06	∞	118762	25.951 ng/ml
O-desmethyl-tramadol	3.349	666871	130334.8	6.99	77184.1	1086165	25.540 ng/ml
O-Desmethylvenlafaxine	4.054	184431	1719.1	539.33	68696.4	254530	25.666 ng/ml
Olanzapine	5.038	269471	∞	44.36	11971.4	286917	25.879 ng/ml
Oxazepam	5.737	11040	332.1	64.73	∞	21683	25.396 ng/ml
Oxycodone	2.878	255522	12643.0	28.45	13931.5	365477	26.283 ng/ml
Oxymorphone	1.409	172681	∞	44.50	∞	262624	25.354 ng/ml
Promethazine	5.601	319224	446421.5	47.46	∞	713699	25.250 ng/ml
Pseudoephedrine	2.526	658766	35559.4	17.89	11256.6	1127970	25.698 ng/ml
Quetiapine	5.806	500174	124701.9	59.79	141317.6	274728	27.596 ng/ml
Sertraline	5.804	50346	∞	106.35	∞	90415	24.796 ng/ml
Tramadol	4.233	642226	∞	4.08	3526.8	1247681	27.006 ng/ml
Trazodone	5.770	299417	38508.6	142.87	83066.9	704897	26.300 ng/ml
Venlafaxine	5.044	491971	380831.1	37.18	5846.8	1023081	24.301 ng/ml
Zolpidem	5.543	768834	1799383.9	32.00	∞	1376601	25.215 ng/ml

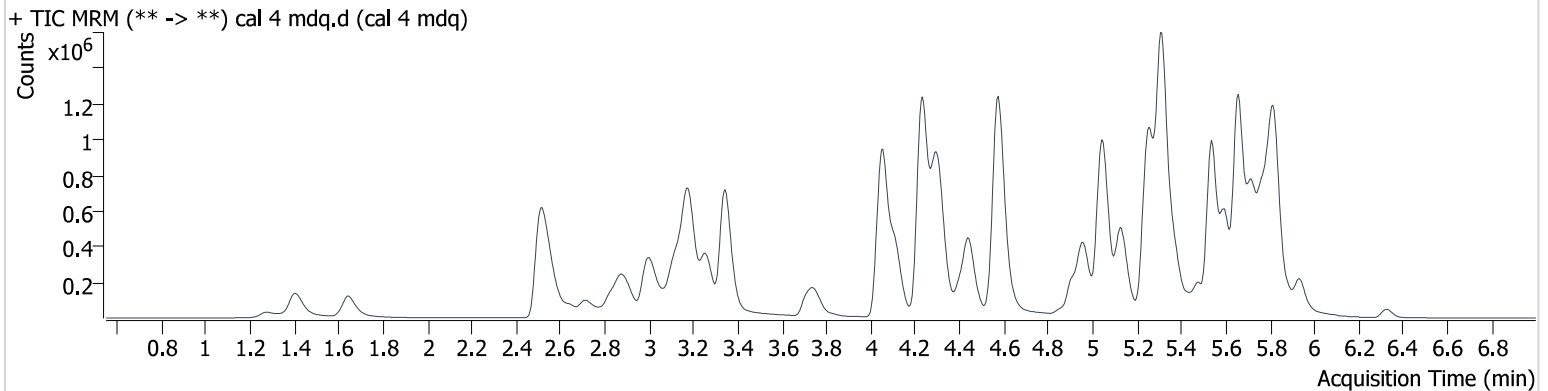
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-D1
Injection Volume 3
Acq. Date-Time 7/31/2023 2:52:50 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	12551	21654.9	142.12	∞	69906	4.712 ng/ml
7-aminoclonazepam	4.252	140396	42406.5	112.30	29383.1	135058	52.498 ng/ml
a-hydroxyalprazolam	5.683	15281	∞	60.42	7804.0	16341	45.398 ng/ml
alpha-PHP	5.055	224605	32118.6	250.37	24394641.6	250910	54.357 ng/ml
alpha-PVP	4.444	772520	407720.8	54.74	∞	621047	53.710 ng/ml
Alprazolam	5.751	218385	∞	82.96	4672.8	178696	51.803 ng/ml
Amphetamine	2.999	354799	39008.4	281.12	∞	250910	55.434 ng/ml
Benzoylcegonine	3.832	16128	5739.7	40.13	149.8	11223	49.476 ng/ml
Buprenorphine	6.335	43792	4970.7	15.83	2554.2	117257	5.134 ng/ml
Bupropion	4.958	722646	9995.9	70.84	35322.6	713434	53.887 ng/ml
Carisoprodol	5.707	240490	∞	62.74	1155.3	170782	49.157 ng/ml
Citalopram	5.239	574356	∞	40.21	794093.9	533984	51.200 ng/ml
Clonazepam	5.589	31605	5762.3	33.32	5855.9	11688	52.577 ng/ml
Clonazepam	5.531	57231	6048.2	36.12	5235.1	27181	52.178 ng/ml
Cocaine	4.292	644123	217246.6	46.39	∞	1000516	49.051 ng/ml
Codeine	2.717	95916	45471.0	88.53	∞	96766	54.405 ng/ml
Cyclobenzaprine	5.649	565959	134804.1	8.97	15334.4	366664	53.102 ng/ml
Dextromethorphan	5.282	433343	796987.9	73.96	779804.3	413967	48.412 ng/ml
Dextrophan	4.115	487041	∞	46.74	216304.8	471005	47.652 ng/ml
Diazepam	5.939	159582	3442.3	86.75	1843.1	138909	50.190 ng/ml
Dihydrocodeine	2.558	231919	7630.3	62.78	7280.4	226282	50.728 ng/ml
Diphenhydramine	5.320	2227960	93300.7	31.80	1591495.6	1997080	47.136 ng/ml
Doxylamine	4.574	1932135	∞	95.59	138807.6	1215394	50.373 ng/ml
Duloxetine	5.658	70391	362.2	10.50	102.3	48184	48.024 ng/ml
EDDP	5.256	859645	22031984.0	42.83	620468.2	851232	49.335 ng/ml
Fentanyl	5.379	64352	57211.8	126.69	571562.5	673279	4.766 ng/ml
Fluorofentanyl	5.446	62979	80.9	106.49	777.9	5976	5.857 ng/ml
Fluoxetine	5.715	443241	∞	6.75	26134.3	329505	50.189 ng/ml
Hydrocodone	3.124	230690	∞	40.06	∞	275141	51.754 ng/ml
Hydromorphone	1.648	210888	3797.6	71.95	259342.0	136890	53.232 ng/ml
Hydroxyzine	5.827	754498	162225.7	116.17	590183.6	1103060	50.307 ng/ml
Ketamine	4.316	457302	97160.9	38.45	7863.9	353766	48.335 ng/ml
Lamotrigine	4.361	47277	2346.8	92.77	1611.1	1103060	55.118 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.725	16934	∞	34.69	96.5	20068	54.971 ng/ml
MDA	3.166	423487	7925.2	31.20	∞	332415	52.367 ng/ml
MDMA	3.262	525235	1132122.1	96.45	51702.8	110823	48.678 ng/ml
Meprobamate	4.876	57794	36084.0	49.52	4047.0	61116	48.505 ng/ml
Methadone	5.663	1256554	931166.0	49.98	12946.7	946312	50.390 ng/ml
Methamphetamine	3.182	1122604	70740.9	34.50	106242.7	742009	54.889 ng/ml
Metoprolol	4.313	162993	∞	100.26	∞	332415	50.356 ng/ml
Mirtazapine	5.132	1126031	6469.3	51.00	56827.9	435424	52.606 ng/ml
Mitragynine	5.477	309776	∞	27.56	115263.4	1103060	48.518 ng/ml
Morphine	1.277	39960	∞	18.01	4976.9	7799	58.161 ng/ml
Norbuprenorphine	5.010	6148	5298.4	99.46	7046.5	20972	5.144 ng/ml
Nordiazepam	5.883	41142	∞	60.79	36043.9	27181	49.262 ng/ml
Norfentanyl	4.066	9562	513.9	334.46	868.8	810695	5.047 ng/ml
Norhydrocodone	3.038	57426	∞	26.35	∞	121828	51.387 ng/ml
Noroxycodone	2.874	170695	∞	46.97	∞	112025	52.498 ng/ml
O-desmethyl-tramadol	3.349	1324294	377420.5	6.89	15490.1	1079940	51.190 ng/ml
O-Desmethylvenlafaxine	4.054	358690	838.6	530.62	24697.3	242005	52.959 ng/ml
Olanzapine	5.038	470728	19403.7	43.45	17318.5	253556	52.075 ng/ml
Oxazepam	5.737	19791	664.8	66.79	∞	20068	49.488 ng/ml
Oxycodone	2.873	488649	17153.5	29.62	8078.0	355278	51.974 ng/ml
Oxymorphone	1.409	335526	∞	44.11	∞	255633	50.858 ng/ml
Promethazine	5.601	628352	∞	45.41	10721.7	710384	49.744 ng/ml
Pseudoephedrine	2.520	1283423	∞	17.52	25000.4	1103060	51.368 ng/ml
Quetiapine	5.806	930682	109335.0	59.71	268832.9	259432	55.639 ng/ml
Sertraline	5.804	85508	168205.4	107.49	∞	78961	47.505 ng/ml
Tramadol	4.233	1221458	2306.2	4.18	28162.0	1247297	51.825 ng/ml
Trazodone	5.770	557372	55576.8	142.15	268632.8	674806	51.906 ng/ml
Venlafaxine	5.044	952725	46927.1	36.66	7303.9	992828	47.650 ng/ml
Zolpidem	5.543	1489094	∞	32.33	∞	1357287	49.511 ng/ml

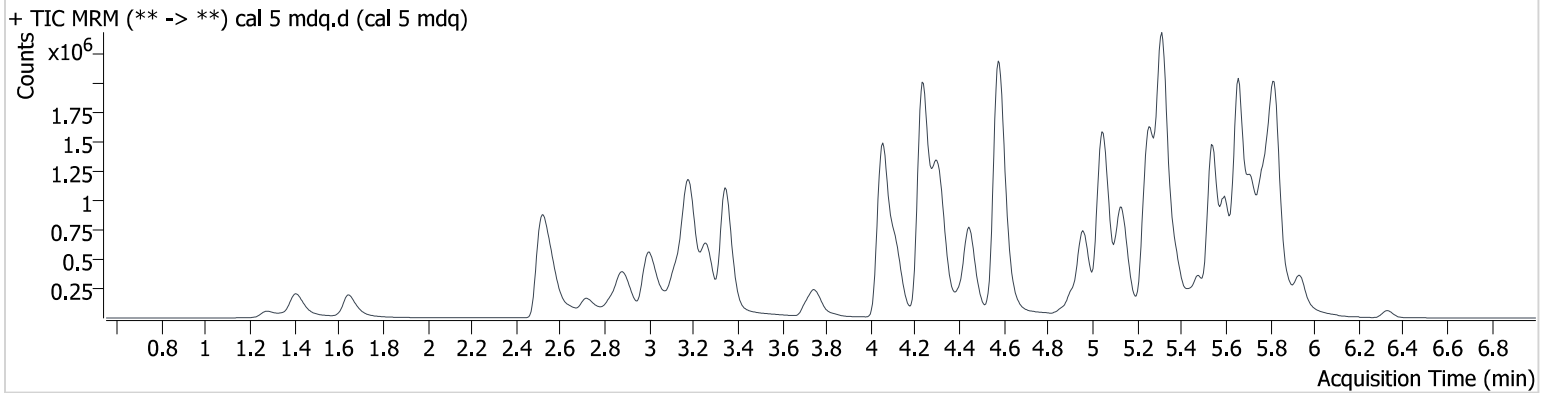
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 8/4/2023 12:19:00 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-E1
Injection Volume 3
Acq. Date-Time 7/31/2023 3:01:33 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	22517	∞	142.22	547875.3	60988	9.654 ng/ml
7-aminoclonazepam	4.252	248587	26538.6	113.46	16078.5	116853	107.789 ng/ml
a-hydroxyalprazolam	5.678	26124	∞	57.32	631.2	12821	99.232 ng/ml
alpha-PHP	5.060	412832	18874.8	252.05	4834202.9	240110	104.750 ng/ml
alpha-PVP	4.444	1488058	114147.6	54.83	55961.8	608798	106.143 ng/ml
Alprazolam	5.751	360388	3904.7	92.55	∞	145127	105.743 ng/ml
Amphetamine	2.999	623637	∞	270.83	19231.8	240110	102.830 ng/ml
Benzoylcegonine	3.832	33087	12766.0	39.01	934.3	11676	96.394 ng/ml
Buprenorphine	6.335	88884	9952.9	14.50	35445.0	119636	10.237 ng/ml
Bupropion	4.958	1407704	5680681.1	69.62	45026.8	712050	105.772 ng/ml
Carisoprodol	5.707	407845	252558.7	61.94	5315.8	138337	102.778 ng/ml
Citalopram	5.239	1074907	270755.8	40.40	1069931.3	493172	103.998 ng/ml
Clonazepam	5.595	57996	11332.8	34.16	7456.8	11532	97.307 ng/ml
Clonazolam	5.531	104732	86169.6	39.13	4747.0	25102	104.831 ng/ml
Cocaine	4.297	1250928	239836.5	44.97	8445222.7	949803	100.442 ng/ml
Codeine	2.716	178110	473924.6	90.45	8853.2	96413	102.099 ng/ml
Cyclobenzaprine	5.649	1063914	168363.2	10.23	40759.7	374943	97.531 ng/ml
Dextromethorphan	5.282	836593	28747.9	74.81	1023429.4	405080	94.910 ng/ml
Dextrophan	4.115	955081	869250.3	45.78	407112.2	445006	98.072 ng/ml
Diazepam	5.939	296661	5569.2	86.59	7296.7	131741	98.206 ng/ml
Dihydrocodeine	2.563	430255	12188.9	64.30	4209.7	208983	101.886 ng/ml
Diphenhydramine	5.320	4083081	156914.8	32.88	474342.9	1863540	92.309 ng/ml
Doxylamine	4.580	3857214	965874.3	94.77	∞	1215474	100.929 ng/ml
Duloxetine	5.659	156448	648.5	8.65	129.4	51687	99.500 ng/ml
EDDP	5.256	1664210	9595625.3	42.50	∞	804197	101.115 ng/ml
Fentanyl	5.379	153113	1068391.4	123.05	∞	741197	10.276 ng/ml
Fluorofentanyl	5.446	136616	59488.6	109.29	43603.7	8303	9.157 ng/ml
Fluoxetine	5.715	1079513	264867.6	6.52	73957.7	403084	99.905 ng/ml
Hydrocodone	3.124	441220	∞	39.64	∞	255196	107.273 ng/ml
Hydromorphone	1.648	386138	3749189.3	71.84	∞	128720	104.597 ng/ml
Hydroxyzine	5.827	1491909	544283.1	114.51	743046.3	1033984	106.204 ng/ml
Ketamine	4.321	825792	∞	37.62	33868.4	316939	97.337 ng/ml
Lamotrigine	4.366	82487	8470.4	97.97	2505.9	1033984	103.073 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	27481	1995.6	40.72	677.3	18409	97.258 ng/ml
MDA	3.166	713734	37840.5	29.84	∞	281698	104.575 ng/ml
MDMA	3.262	1005590	481085.2	95.03	139063.7	102811	100.344 ng/ml
Meprobamate	4.871	118317	20564.5	45.20	4310.5	58588	103.838 ng/ml
Methadone	5.663	2496327	∞	48.06	32103.3	941875	100.458 ng/ml
Methamphetamine	3.182	2047077	145676.0	34.95	9354.6	714238	107.477 ng/ml
Metoprolol	4.313	278488	∞	97.72	∞	281698	101.029 ng/ml
Mirtazapine	5.132	2177388	331431.4	49.82	521915.6	421854	105.414 ng/ml
Mitragynine	5.477	615484	1648121.3	28.67	388491.5	1033984	101.880 ng/ml
Morphine	1.277	78638	∞	17.17	∞	9138	97.928 ng/ml
Norbuprenorphine	5.010	10905	11092.7	100.80	42059.3	19424	10.052 ng/ml
Nordiazepam	5.883	77383	∞	63.40	4270.8	25102	100.027 ng/ml
Norfentanyl	4.066	17259	510.4	323.57	2931.3	730642	10.218 ng/ml
Norhydrocodone	3.038	108203	∞	28.77	∞	117258	100.217 ng/ml
Noroxycodone	2.874	318524	∞	46.16	8753.9	101424	108.684 ng/ml
O-desmethyl-tramadol	3.349	2618228	∞	6.57	31797.8	1076153	101.738 ng/ml
O-Desmethylvenlafaxine	4.054	668097	10632.3	523.14	29327.0	228682	104.815 ng/ml
Olanzapine	5.038	1023407	61706.0	43.62	20774.7	265692	109.058 ng/ml
Oxazepam	5.737	37392	5225.0	67.07	3324.3	18409	102.254 ng/ml
Oxycodone	2.878	951240	25039.0	29.17	15970.5	349850	103.017 ng/ml
Oxymorphone	1.409	621677	∞	43.31	∞	233597	103.376 ng/ml
Promethazine	5.601	1300729	∞	49.18	633098.9	774941	94.221 ng/ml
Pseudoephedrine	2.526	2394784	124103.1	17.86	92133.4	1033984	102.425 ng/ml
Quetiapine	5.806	1611478	307174.8	59.45	156288.4	241446	104.635 ng/ml
Sertraline	5.804	194412	138684.6	101.17	∞	76150	110.964 ng/ml
Tramadol	4.233	2363870	∞	4.03	736.3	1210587	103.829 ng/ml
Trazodone	5.770	1005339	1783599.3	142.91	∞	588143	108.285 ng/ml
Venlafaxine	5.044	1771229	217535.9	35.92	10534.8	891620	97.734 ng/ml
Zolpidem	5.543	2777944	∞	32.64	∞	1255546	99.826 ng/ml

AM #28 Multi-Drug Quant. Results

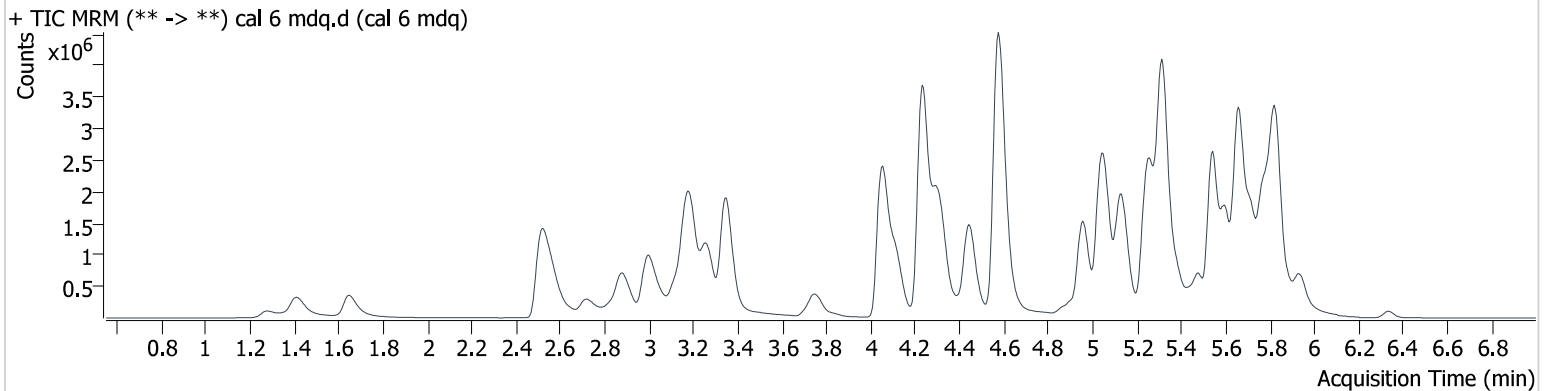
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Injection Volume 3
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Sample Info.

Data File cal 6 mdq.d
Sample cal 6 mdq
Operator Anne Nord
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	37938	70138.0	142.27	∞	40605	24.378 ng/ml
7-aminoclonazepam	4.257	413348	7084.3	109.60	39167.6	82092	255.583 ng/ml
a-hydroxyalprazolam	5.683	43937	∞	62.84	722.4	7844	273.248 ng/ml
alpha-PHP	5.060	786496	46036.9	268.23	627902.0	196706	244.093 ng/ml
alpha-PVP	4.444	3165993	474960.8	55.31	197940.4	549953	250.840 ng/ml
Alprazolam	5.746	613096	∞	92.80	∞	108606	240.977 ng/ml
Amphetamine	2.999	1199794	34312.6	255.94	70025.0	196706	243.109 ng/ml
Benzoylecgonine	3.832	79357	10453.9	40.10	5307.8	11492	233.167 ng/ml
Buprenorphine	6.335	208664	∞	15.83	1137.4	117496	24.503 ng/ml
Bupropion	4.958	3198851	309558.0	68.12	87140.8	671239	255.852 ng/ml
Carisoprodol	5.702	736274	∞	61.71	9769.1	103293	248.314 ng/ml
Citalopram	5.234	2120730	332745.5	40.29	1207205.9	397483	254.926 ng/ml
Clonazepam	5.589	115706	23574.4	35.93	16816.4	9367	238.208 ng/ml
Clonazepam	5.525	221271	109344.5	35.29	2463.7	21344	262.654 ng/ml
Cocaine	4.292	2508485	102358.6	44.90	691715.6	768257	249.147 ng/ml
Codeine	2.717	352649	65269.0	89.55	22896.3	84757	230.968 ng/ml
Cyclobenzaprine	5.644	1833724	275638.5	9.46	3476.8	268196	234.859 ng/ml
Dextromethorphan	5.277	1664813	374781.1	75.38	2116052.3	317063	240.347 ng/ml
Dextrophan	4.115	1947996	1069185.9	45.72	13381.8	360213	245.939 ng/ml
Diazepam	5.939	646279	63218.8	85.90	8445.0	110420	254.967 ng/ml
Dihydrocodeine	2.568	849069	743.8	64.24	5634.8	164827	254.905 ng/ml
Diphenhydramine	5.320	9052232	∞	29.99	229715.8	1519885	250.449 ng/ml
Doxylamine	4.574	8762874	1039452.5	94.70	690095.6	1077649	259.203 ng/ml
Duloxetine	5.659	225803	514.7	10.02	298.5	30518	243.227 ng/ml
EDDP	5.256	3024595	210398.5	44.28	∞	584699	252.787 ng/ml
Fentanyl	5.379	352646	198305.0	126.18	∞	689901	25.398 ng/ml
Fluorofentanyl	5.441	313124	297987.5	102.71	368509.2	6808	25.634 ng/ml
Fluoxetine	5.715	1966199	264404.6	6.76	255864.3	290784	252.210 ng/ml
Hydrocodone	3.124	916059	5104.1	39.55	10749.1	224508	253.869 ng/ml
Hydromorphone	1.648	795365	4702.5	72.16	9755.5	112566	247.716 ng/ml
Hydroxyzine	5.827	2973714	808387.7	115.36	2741364.0	870220	251.628 ng/ml
Ketamine	4.321	1513070	∞	38.13	26736.7	233596	241.848 ng/ml
Lamotrigine	4.366	160086	26099.0	96.27	∞	870220	238.416 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	59824	2150.1	41.86	1041.8	15477	251.863 ng/ml
MDA	3.156	1125836	∞	27.88	∞	180129	258.601 ng/ml
MDMA	3.262	2065448	215414.3	94.81	160381.8	83039	255.007 ng/ml
Meprobamate	4.871	269444	88611.7	46.03	13545.3	54611	254.010 ng/ml
Methadone	5.663	5143442	∞	48.79	125267.6	784193	248.426 ng/ml
Methamphetamine	3.182	3754959	∞	39.84	∞	645076	222.309 ng/ml
Metoprolol	4.313	439295	367681.5	98.60	∞	180129	248.507 ng/ml
Mirtazapine	5.134	4669856	868401.3	50.71	1501736.6	369082	259.016 ng/ml
Mitragynine	5.477	1281177	3744803.7	29.98	1197032.3	870220	250.721 ng/ml
Morphine	1.277	167972	∞	15.41	∞	7417	258.283 ng/ml
Norbuprenorphine	5.005	21701	48364.3	107.04	∞	15956	24.664 ng/ml
Nordiazepam	5.883	170387	∞	58.45	124154.2	21344	258.561 ng/ml
Norfentanyl	4.066	27308	2257.7	336.97	5795.2	534617	22.222 ng/ml
Norhydrocodone	3.043	235215	∞	28.78	∞	98941	257.560 ng/ml
Noroxycodone	2.874	602467	∞	46.48	9717.0	79190	263.932 ng/ml
O-desmethyl-tramadol	3.350	5642509	244946.9	6.64	287308.1	951829	248.150 ng/ml
O-Desmethylvenlafaxine	4.054	1228643	886.0	506.94	110411.2	179153	246.637 ng/ml
Olanzapine	5.033	1824054	∞	44.50	26979.1	214039	242.428 ng/ml
Oxazepam	5.732	77252	30258.6	70.60	1093.6	15477	251.738 ng/ml
Oxycodone	2.878	1912142	247457.2	31.09	88603.3	306190	236.970 ng/ml
Oxymorphone	1.409	1175280	∞	44.37	∞	190179	240.378 ng/ml
Promethazine	5.601	2655842	∞	46.36	1626052.7	591033	251.918 ng/ml
Pseudoephedrine	2.524	4896789	∞	17.54	31079.5	870220	249.097 ng/ml
Quetiapine	5.806	2828389	800365.3	59.03	1748440.0	177246	251.979 ng/ml
Sertraline	5.804	276306	256984.3	107.58	149696.2	46121	259.366 ng/ml
Tramadol	4.233	4936346	∞	3.94	∞	1037950	253.591 ng/ml
Trazodone	5.770	1857229	40066.2	143.01	1113313.0	463687	254.822 ng/ml
Venlafaxine	5.044	3519485	287123.9	36.69	79385.5	690204	249.544 ng/ml
Zolpidem	5.543	5949016	∞	31.96	∞	1065611	251.852 ng/ml

AM #28 Multi-Drug Quant. Results

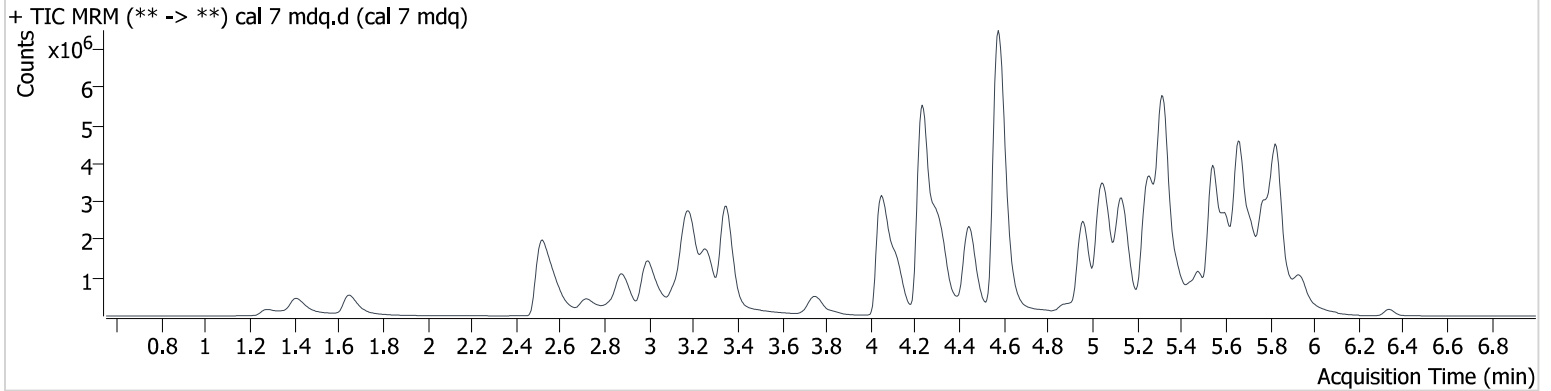
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Sample Info.

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Sample cal 7 mdq
Operator Anne Nord
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	51956	152144.7	146.70	∞	26513	51.091 ng/ml
7-aminoclonazepam	4.257	504265	81886.4	107.46	75056.5	52965	483.566 ng/ml
a-hydroxyalprazolam	5.688	59989	744.1	62.51	2411.4	5813	503.583 ng/ml
alpha-PHP	5.060	1240116	76764.0	254.35	105062.5	153662	493.071 ng/ml
alpha-PVP	4.444	5385974	241697.0	53.60	199376.9	492774	476.805 ng/ml
Alprazolam	5.746	882228	∞	91.40	∞	78090	482.732 ng/ml
Amphetamine	2.994	1793886	452811.6	250.68	94946.5	153662	466.410 ng/ml
Benzoylcegonine	3.832	158045	18417.8	38.78	3017.7	10392	512.080 ng/ml
Buprenorphine	6.336	423352	94138.0	15.23	∞	115646	50.535 ng/ml
Bupropion	4.961	5424288	1491444.8	67.41	530398.5	611654	476.652 ng/ml
Carisoprodol	5.702	979760	1276210.1	62.29	90994.5	68983	494.654 ng/ml
Citalopram	5.228	2960892	349460.8	40.58	2537520.2	286091	494.726 ng/ml
Clonazepam	5.584	184545	63095.3	32.46	10601.2	7116	499.461 ng/ml
Clonazepam	5.525	302209	408362.0	38.64	68788.0	15797	485.927 ng/ml
Cocaine	4.295	3909613	989141.3	44.57	226029.9	594082	502.248 ng/ml
Codeine	2.717	549034	11116.8	89.97	31947.2	73835	413.422 ng/ml
Cyclobenzaprine	5.639	2565466	384578.0	9.07	6541.7	178223	494.340 ng/ml
Dextromethorphan	5.282	2407757	93727.4	75.47	153881.7	206468	533.045 ng/ml
Dextrophan	4.115	3050137	632556.5	44.72	∞	277323	499.385 ng/ml
Diazepam	5.939	1019542	84215.4	85.56	14402.6	87674	506.402 ng/ml
Dihydrocodeine	2.568	1323862	15195.1	63.39	2630.8	133558	490.485 ng/ml
Diphenhydramine	5.320	14259613	1693695.7	29.65	148629.0	1032789	580.231 ng/ml
Doxylamine	4.574	15509965	371153.9	95.28	607022.4	995021	497.221 ng/ml
Duloxetine	5.664	254651	1495.4	10.34	2950.5	16589	504.610 ng/ml
EDDP	5.257	5310386	2137461.7	43.18	92413.3	519862	499.199 ng/ml
Fentanyl	5.384	610671	1011224.9	132.44	1100613.3	613260	49.457 ng/ml
Fluorofentanyl	5.441	523834	504753.1	106.39	309848.4	6288	46.442 ng/ml
Fluoxetine	5.715	2684260	∞	6.86	∞	205541	487.098 ng/ml
Hydrocodone	3.124	1491334	∞	39.99	∞	188853	491.813 ng/ml
Hydromorphone	1.648	1299800	∞	72.00	4199.3	95712	477.025 ng/ml
Hydroxyzine	5.832	4477948	3439694.0	115.17	1170.9	688856	478.741 ng/ml
Ketamine	4.326	2109493	∞	37.96	20968.5	156797	502.236 ng/ml
Lamotrigine	4.371	228514	25538.3	96.71	20727.8	688856	430.376 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	96992	4655.8	41.02	531.1	12655	499.450 ng/ml
MDA	3.151	1294600	74470.5	29.09	∞	111344	481.439 ng/ml
MDMA	3.262	3283456	140337.3	89.28	231167.9	66911	502.992 ng/ml
Meprobamate	4.871	482383	∞	45.26	14997.4	50261	494.326 ng/ml
Methadone	5.663	8168936	∞	47.71	61766.9	619706	499.160 ng/ml
Methamphetamine	3.182	6080226	1837845.3	37.17	143923.9	548358	427.000 ng/ml
Metoprolol	4.319	543317	44152.9	97.54	∞	111344	496.733 ng/ml
Mirtazapine	5.132	7584377	495152.0	50.11	1524372.1	326475	475.922 ng/ml
Mitragynine	5.477	2183143	∞	30.98	638976.1	688856	538.727 ng/ml
Morphine	1.277	280258	∞	15.09	∞	6439	496.725 ng/ml
Norbuprenorphine	5.005	32367	38840.5	104.76	55830.5	12342	47.763 ng/ml
Nordiazepam	5.883	244013	166544.3	62.82	199234.3	15797	500.030 ng/ml
Norfentanyl	4.066	32336	2978.7	347.18	11182.3	382557	36.844 ng/ml
Norhydrocodone	3.038	379554	∞	28.47	∞	83189	493.944 ng/ml
Noroxycodone	2.869	906410	∞	46.94	751.2	67737	464.564 ng/ml
O-desmethyl-tramadol	3.349	9634967	1275447.7	6.40	69610.3	823057	490.202 ng/ml
O-Desmethylvenlafaxine	4.048	1759511	29116.8	518.66	53869.9	129964	487.314 ng/ml
Olanzapine	5.033	2823965	44706.9	44.71	46997.5	193145	416.597 ng/ml
Oxazepam	5.737	130219	∞	69.18	∞	12655	519.331 ng/ml
Oxycodone	2.873	3543219	61084.4	28.54	13961.2	269864	498.521 ng/ml
Oxymorphone	1.409	1948154	∞	43.64	∞	151932	499.024 ng/ml
Promethazine	5.604	4254229	626496.3	44.31	1553787.8	458612	519.843 ng/ml
Pseudoephedrine	2.520	7664388	∞	17.21	∞	688856	492.702 ng/ml
Quetiapine	5.806	3845447	356530.1	58.60	222656.0	132902	457.955 ng/ml
Sertraline	5.809	293459	1375492.8	104.11	655037.5	24845	510.623 ng/ml
Tramadol	4.233	8158159	∞	3.78	1057.7	863157	504.461 ng/ml
Trazodone	5.765	2112265	614926.9	143.64	160165.3	335029	401.575 ng/ml
Venlafaxine	5.039	5294865	520179.5	35.35	43590.7	512313	504.913 ng/ml
Zolpidem	5.543	9790876	677374.9	30.91	∞	849774	519.754 ng/ml

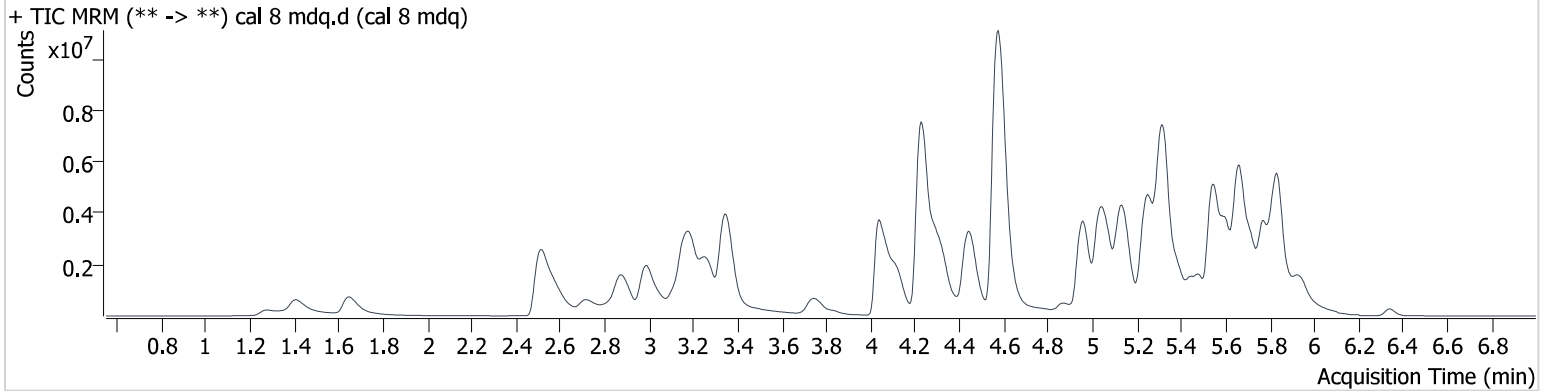
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Data File cal 8 mdq.d
Sample cal 8 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	63482	201914.2	144.15	∞	15025	110.117 ng/ml
7-aminoclonazepam	4.252	470172	57943.6	108.53	124649.5	27534	867.591 ng/ml
a-hydroxyalprazolam	5.688	74716	1279.4	60.37	360.4	3293	1107.738 ng/ml
alpha-PHP	5.060	1661446	181417.0	254.44	330569.4	113775	892.488 ng/ml
alpha-PVP	4.444	8166308	1896707.5	53.41	1125570.5	419741	849.214 ng/ml
Alprazolam	5.746	1124396	7923.0	91.30	∞	51863	926.802 ng/ml
Amphetamine	2.989	2419146	136072.8	247.80	2596331.8	113775	850.477 ng/ml
Benzoylecgonine	3.827	264325	27354.0	41.38	11474.2	8806	1009.544 ng/ml
Buprenorphine	6.340	714953	∞	15.32	∞	99108	99.606 ng/ml
Bupropion	4.958	8488612	326189397.4	66.31	∞	551723	827.412 ng/ml
Carisoprodol	5.702	1026207	1483585.5	60.58	23604.7	36462	980.090 ng/ml
Citalopram	5.223	3612260	1210528.0	41.15	∞	188163	917.885 ng/ml
Clonazepam	5.584	221155	81966.3	34.21	30312.7	4437	959.556 ng/ml
Clonazepam	5.520	397371	∞	36.38	35510.4	11118	909.093 ng/ml
Cocaine	4.287	5536064	∞	44.05	∞	415609	1016.687 ng/ml
Codeine	2.716	810213	61337.2	90.54	12710.2	63701	707.723 ng/ml
Cyclobenzaprine	5.633	2961738	8394979.8	9.63	5475.7	97662	1041.349 ng/ml
Dextromethorphan	5.277	3206234	∞	76.31	∞	134934	1085.482 ng/ml
Dextrophan	4.115	4197787	2734011.1	46.31	42343.6	188781	1008.843 ng/ml
Diazepam	5.939	1461740	82043.5	86.26	18589.9	63852	996.730 ng/ml
Dihydrocodeine	2.568	1920814	16760.5	64.32	4002.7	100798	942.932 ng/ml
Diphenhydramine	5.320	20201536	962769.4	29.54	∞	801713	1058.709 ng/ml
Doxylamine	4.574	25244648	∞	95.62	1513904.8	849215	948.589 ng/ml
Duloxetine	5.674	289841	2849.6	9.43	1971.1	9117	1045.005 ng/ml
EDDP	5.254	7871998	372820.8	42.86	∞	397574	967.636 ng/ml
Fentanyl	5.379	1161168	968676.4	131.24	1324983.6	549835	104.866 ng/ml
Fluorofentanyl	5.441	917479	1957554.4	106.26	82744.2	5308	96.382 ng/ml
Fluoxetine	5.715	3852647	∞	6.73	289340.8	142569	1007.896 ng/ml
Hydrocodone	3.119	2243194	∞	40.34	∞	164874	847.727 ng/ml
Hydromorphone	1.648	1880244	4045.0	71.12	∞	71811	920.650 ng/ml
Hydroxyzine	5.832	6357789	69490.1	115.19	3681513.8	506507	924.493 ng/ml
Ketamine	4.331	2605912	1460310.6	38.47	110817.0	89440	1087.562 ng/ml
Lamotrigine	4.371	274977	237206.0	93.60	∞	506507	704.682 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.730	137103	10331.9	40.96	1614.5	9796	912.029 ng/ml
MDA	3.146	1256258	320955.2	29.92	∞	59793	870.306 ng/ml
MDMA	3.257	4450906	988871.1	99.39	1557285.1	45655	999.166 ng/ml
Meprobamate	4.871	832024	109085.5	43.10	26232.8	44399	965.391 ng/ml
Methadone	5.663	11905414	89588.3	45.28	141991.6	443956	1015.337 ng/ml
Methamphetamine	3.182	8021106	∞	37.39	∞	424883	729.750 ng/ml
Metoprolol	4.313	604372	36119.9	96.78	∞	59793	1028.408 ng/ml
Mirtazapine	5.137	11075750	524273.8	50.06	1656238.8	264958	856.706 ng/ml
Mitragynine	5.482	2976554	∞	30.59	8924070.5	506507	998.218 ng/ml
Morphine	1.277	366668	∞	18.82	∞	5190	806.503 ng/ml
Norbuprenorphine	5.000	41622	463156.1	104.61	∞	8115	93.622 ng/ml
Nordiazepam	5.883	343930	∞	62.53	∞	11118	1001.075 ng/ml
Norfentanyl	4.066	30719	13536.4	339.36	1947.1	254731	52.612 ng/ml
Norhydrocodone	3.033	542662	∞	30.54	∞	62083	945.924 ng/ml
Noroxycodone	2.864	1241693	∞	44.48	∞	50434	855.128 ng/ml
O-desmethyl-tramadol	3.344	15088669	1097668.9	6.35	∞	647326	976.253 ng/ml
O-Desmethylvenlafaxine	4.038	2121868	56078.5	526.92	156973.1	83960	910.056 ng/ml
Olanzapine	5.028	3580020	58830.2	44.91	12890.0	156209	653.545 ng/ml
Oxazepam	5.732	188418	635576.3	71.28	152626.3	9796	970.985 ng/ml
Oxycodone	2.873	5887717	33508.0	28.78	28042.7	233429	957.941 ng/ml
Oxymorphone	1.404	2943991	∞	43.32	∞	116614	982.746 ng/ml
Promethazine	5.601	6243022	305620.2	42.29	1711794.7	338526	1033.283 ng/ml
Pseudoephedrine	2.516	10879269	∞	17.00	∞	506507	951.313 ng/ml
Quetiapine	5.811	4351243	192428.7	58.18	170991.1	84864	812.522 ng/ml
Sertraline	5.804	448975	755770.2	102.62	∞	18548	1045.628 ng/ml
Tramadol	4.228	11856655	∞	3.73	5127.6	744744	850.068 ng/ml
Trazodone	5.765	2456971	71707.9	144.83	∞	208602	750.911 ng/ml
Venlafaxine	5.033	7262527	144058.8	35.29	41662.0	354326	1000.508 ng/ml
Zolpidem	5.548	13581845	5177983.8	30.92	∞	634250	965.983 ng/ml