















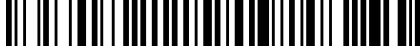


REVIEWED

By Tamara Salazar at 2:42 pm, Oct 06, 2023



Worklist: 6519

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2023-2014	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2023-2144	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2163	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2169	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2173	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2176	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2179	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2190	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2198	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2218	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2247	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2255	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2261	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2023-2273	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2023-2274	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 10/5/23 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: 23J52629 **Urine Blank lot** 8423

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

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) or 250µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: P31168J**
- 3. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792**
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

7-aminoclonazepam 5-500 cal 8 dropped due to accuracy
Amphetamine 5-500 cal 8 dropped due to accuracy.
Buprenorphine 5-100 cal 1,2,3 dropped due to ratios and poor response, qualitative only.
Clonazepam 25-1000 cal 1 and 2 dropped due to ratios and poor response of qualifier.
Clonazolam 5-500 cal 8 dropped due to accuracy.
Dihydrocodeine 5-500 cal 8 dropped due to accuracy.
Ketamine 5-500 cal 8 dropped due to accuracy.
Lamotrigine 5-500 cal 8 dropped due to accuracy.
Methamphetamine 5-500 cal 8 dropped due to accuracy.
Mirtazapine 5-500 cal 8 dropped due to accuracy.
Mitragynine 5-500 cal 8 dropped due to accuracy.
Norbuprenorphine 1-100 cal 1 dropped due to poor response and peak shape.
Trazodone 5-500 cal 8 dropped due to accuracy.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	2195-1	2247-1								
B	IS + Cal. 2	IS + QC_2	2190-2	2255-1								
C	IS + Cal. 3	IS + QC 3	2169-1	2274-2								
D	IS + Cal. 4	IS + QC_4	2198-1	2176-1								
E	IS + Cal. 5	IS + QC_2	2173-1	negative urine								
F	IS + Cal. 6	2163-1	2218-1	2273-1								
G	IS + Cal. 7	2144-1	2179-1	2014-1								
H	IS + Cal. 8	2175-1	2261-1	negative blood								

blank in front

plate position 2

c2023-____-__

AM #28 Multi-Drug Quant. Results

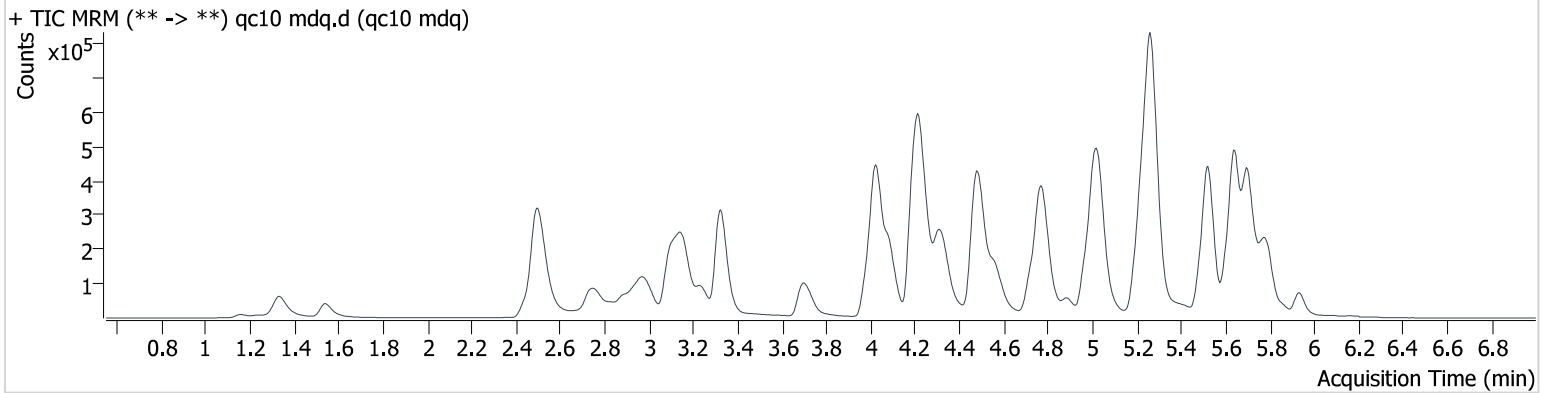
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Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-A2
Injection Volume 3
Acq. Date-Time 10/5/2023 12:55:10 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	3.102	2203	96090.2	132.48	3923.7	67453	1.065 ng/ml
7-aminoclonazepam	4.211	21055	2971.4	116.82	8467.3	106132	10.131 ng/ml
a-hydroxyalprazolam	5.678	2788	129.2	58.20	135.4	14134	11.198 ng/ml
alpha-PHP	4.890	39577	5852.1	257.23	21092.3	518106	9.809 ng/ml
alpha-PVP	4.321	123215	57895.3	58.32	13697.9	518106	10.035 ng/ml
Alprazolam	5.751	50541	871.0	91.89	784.5	198560	10.049 ng/ml
Amphetamine	2.979	67357	6032.7	256.45	26302.3	212564	10.936 ng/ml
Benzoylcegonine	3.822	2801	∞	44.60	133.5	10261	9.821 ng/ml
Bromazolam	5.791	21071	120.5	94.19	324.6	88358	10.748 ng/ml
Buprenorphine	5.639	3446	904.4	18.80 High	163.9	63319	0.260 ng/ml
Bupropion	4.741	123767	13235.4	70.97	2536.4	360771	10.377 ng/ml
Carisoprodol	5.701	43714	144883.7	69.52	858.9	141365	10.316 ng/ml
Citalopram	5.202	107679	10538.7	38.92	1685.1	478681	10.399 ng/ml
Clonazepam	5.584	5585	2003.5	34.82	504.3	11966	8.897 ng/ml
Clonazolam	5.530	11923	3556.6	32.31	2034.2	15839	11.421 ng/ml
Cocaine	4.226	119968	3844.0	45.48	2428.5	901139	10.042 ng/ml
Codeine	2.513	13874	1388.8	86.14	5299.4	65833	11.023 ng/ml
Cyclobenzaprine	5.612	146626	42465.2	9.02	3524.0	453173	10.449 ng/ml
Dextromethorphan	5.246	79191	8382.4	73.14	2730.6	384428	10.195 ng/ml
Dextrorphan	4.090	93106	8202.5	46.28	4481.7	444144	10.208 ng/ml
Diazepam	5.934	31722	∞	83.35	1200.9	131581	10.505 ng/ml
Dihydrocodeine	2.482	38786	617.7	65.02	884.8	203318	10.830 ng/ml
Diphenhydramine	5.272	384995	21924.8	33.29	65954.6	1714262	9.819 ng/ml
Doxylamine	4.492	417160	5277.4	95.62	7294.4	1209227	10.257 ng/ml
Duloxetine	5.643	26376	158.0	9.18	64.8	81133	10.811 ng/ml
EDDP	5.235	155395	19134.1	42.78	4482.2	741139	10.044 ng/ml
Etizolam	5.797	5396	1222.1	397.23	5309.8	198560	9.784 ng/ml
Fentanyl	5.053	12528	1370.2	146.85	5931.0	577736	0.933 ng/ml
Fluorofentanyl	5.104	12494	10111.0	112.34	428.2	6893	1.026 ng/ml
Fluoxetine	5.705	172459	31087.2	6.52	8273.4	560195	10.470 ng/ml
Hydrocodone	2.971	39080	∞	39.82	978.2	233005	9.872 ng/ml
Hydromorphone	1.547	34489	∞	71.13	1434.3	111033	10.323 ng/ml
Hydroxyzine	5.682	145706	1258.2	105.72	1187.4	994848	10.360 ng/ml



AM #28 Multi-Drug Quant. Results

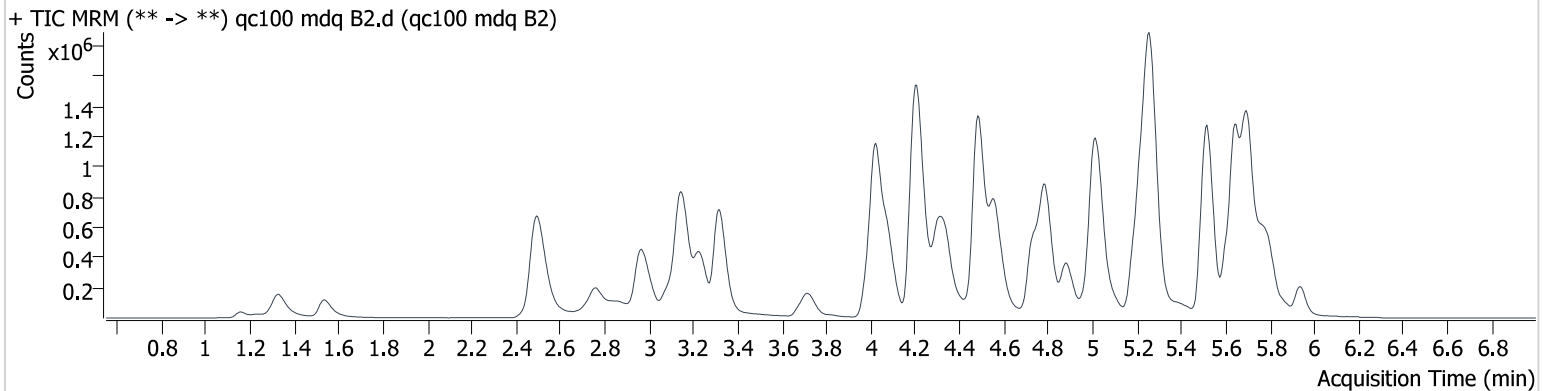
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.998	79788	9540.3	37.25	1654.4	363585	10.437 ng/ml
Lamotrigine	4.244	7080	270.3	100.99	9042.4	357333	10.717 ng/ml
Lorazepam	5.730	2911	222.2	34.04	158.4	15839	11.969 ng/ml
MDA	3.151	96803	5415.6	30.42	∞	357333	11.110 ng/ml
MDMA	3.242	93314	9596.7	96.94	49967.1	89583	10.462 ng/ml
Meprobamate	4.866	9530	1475.5	51.91	1864.7	36964	9.986 ng/ml
Methadone	5.647	226114	5535.2	51.23	6112.4	823623	9.969 ng/ml
Methamphetamine	3.162	263258	∞	35.64	8312.7	646473	10.061 ng/ml
Metoprolol	4.288	30818	∞	99.90	2719.8	357333	10.736 ng/ml
Mirtazapine	4.565	229648	13027.4	50.30	13356.0	1209227	10.166 ng/ml
Mitragynine	5.180	45154	4533.7	29.38	66128.7	994848	10.147 ng/ml
Morphine	1.166	5942	∞	18.09	∞	7915	9.851 ng/ml
Norbuprenorphine	4.974	690	207.3	122.03	107.2	10498	1.009 ng/ml
Nordiazepam	5.872	6208	2088.2	55.04	318.7	18383	11.395 ng/ml
Norfentanyl	4.045	6006	144.1	31.07	95.1	675879	0.978 ng/ml
Norhydrocodone	3.017	6363	1178.2	24.94	583024.5	87082	8.293 ng/ml
Noroxycodone	2.859	28389	∞	48.50	∞	97841	9.950 ng/ml
O-desmethyl-tramadol	3.328	229796	∞	6.98	1893.4	900803	10.427 ng/ml
O-Desmethylvenlafaxine	4.033	66118	311.5	524.45	6051.3	219489	10.227 ng/ml
Olanzapine	4.343	115920	3078.6	47.16	1934.2	322047	9.720 ng/ml
Oxazepam	5.737	3227	141.2	75.87	31.6	15839	10.049 ng/ml
Oxycodone	2.771	79025	6080.9	28.79	∞	310318	10.558 ng/ml
Oxymorphone	1.334	61298	∞	42.96	∞	234585	10.087 ng/ml
Phentermine	3.734	30669	1018.3	11.55	279.1	375826	10.006 ng/ml
Promethazine	5.528	175529	6036.2	39.52	6037.7	879451	9.975 ng/ml
Pseudoephedrine	2.505	238417	5951.8	17.43	4126.5	994848	10.221 ng/ml
Quetiapine	5.498	218338	8650.0	60.75	14742.9	305621	11.163 ng/ml
Sertraline	5.772	44605	100483.1	109.67	1054.2	191818	10.394 ng/ml
Temazepam	5.798	31076	4497.5	28.14	123.3	138081	9.932 ng/ml
Tramadol	4.207	221982	∞	4.25	∞	1052535	10.579 ng/ml
Trazodone	5.016	102771	2868.8	128.82	1820.1	603176	9.990 ng/ml
Venlafaxine	5.013	165044	7229.6	37.14	1466.1	844702	10.470 ng/ml
Xylazine	4.035	14133	174.2	132.42	396.0	233509	9.805 ng/ml
Zolpidem	4.785	228686	4905.9	31.05	13931.7	976391	10.085 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Calibration Last Update 10/5/2023 5:03:01 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	10/5/2023 4:32:49 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.086	16017	99118.7	131.42	62498.5	49796	10.326 ng/ml
7-aminoclonazepam	4.201	101115	2606.6	113.41	13263.6	52551	107.951 ng/ml
a-hydroxyalprazolam	5.672	17468	291.6	63.69	198.1	10202	92.487 ng/ml
alpha-PHP	4.885	334002	27065.6	251.32	55078.8	390325	103.996 ng/ml
alpha-PVP	4.316	945837	92018.4	55.78	39668.4	390325	101.047 ng/ml
Alprazolam	5.751	403738	13009.3	92.89	∞	153907	104.734 ng/ml
Amphetamine	2.969	407746	81405.1	264.53	86595.4	150503	107.647 ng/ml
Benzoylcegonine	3.822	21788	80233.3	42.02	∞	7686	106.374 ng/ml
Bromazolam	5.791	151643	∞	93.61	∞	63649	107.690 ng/ml
Buprenorphine	5.655	25071	5394.4	17.25	461.8	51324	9.372 ng/ml
Bupropion	4.736	965842	451618.3	69.70	49836.0	291236	107.361 ng/ml
Carisoprodol	5.707	303713	∞	63.90	25758.5	95153	105.579 ng/ml
Citalopram	5.197	799677	44696.0	41.46	∞	350382	102.771 ng/ml
Clonazepam	5.584	47307	30292.5	35.43	4727.1	9388	110.365 ng/ml
Clonazolam	5.530	95381	20408.1	37.94	21240.8	13026	112.437 ng/ml
Cocaine	4.221	887265	92144.5	43.75	57517.7	657911	101.379 ng/ml
Codeine	2.508	82981	8699.9	90.86	11654.3	43570	106.011 ng/ml
Cyclobenzaprine	5.612	1027375	95321.4	9.67	2286.8	330404	99.701 ng/ml
Dextromethorphan	5.235	602677	38615.7	75.56	736235.5	286393	100.532 ng/ml
Dextrorphan	4.080	741521	52531.1	45.59	674749.1	358111	96.770 ng/ml
Diazepam	5.939	258257	9559.8	83.28	7211.9	108100	103.988 ng/ml
Dihydrocodeine	2.472	256476	1759.8	66.85	438.7	150313	103.303 ng/ml
Diphenhydramine	5.267	2900206	3111748.1	32.47	20150.8	1269580	95.798 ng/ml
Doxylamine	4.487	2618390	310087.1	95.35	72695.0	751495	104.965 ng/ml
Duloxetine	5.643	163007	2605.3	8.39	649.6	50135	104.924 ng/ml
EDDP	5.230	1214406	∞	44.11	∞	611063	95.229 ng/ml
Etizolam	5.797	41937	4532.4	387.27	15380.3	153907	96.421 ng/ml
Fentanyl	5.048	100032	2969.6	147.03	13195.7	443402	9.585 ng/ml
Fluorofentanyl	5.098	102853	82763.4	114.07	779.7	5788	9.437 ng/ml
Fluoxetine	5.710	1050804	∞	6.42	80211.0	356249	98.397 ng/ml
Hydrocodone	2.956	293351	∞	40.39	∞	175431	99.675 ng/ml
Hydromorphone	1.537	262106	∞	69.56	∞	81337	104.354 ng/ml
Hydroxyzine	5.687	1034754	7438.7	106.75	4225.9	693397	108.238 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.988	587912	889898.2	38.78	21759.0	275977	105.938 ng/ml
Lamotrigine	4.233	47915	45669.8	95.76	18873.8	213050	117.661 ng/ml
Lorazepam	5.730	20167	1327.7	37.37	327.8	13026	104.304 ng/ml
MDA	3.130	540378	61631.2	30.30	1274.8	213050	110.408 ng/ml
MDMA	3.232	705800	∞	96.88	118335.1	70109	101.310 ng/ml
Meprobamate	4.855	74058	5996.7	48.03	6534.3	26858	112.483 ng/ml
Methadone	5.647	1803886	30288.4	49.40	262673.1	665882	97.477 ng/ml
Methamphetamine	3.152	1518919	37434.9	37.06	62459.7	528110	100.407 ng/ml
Metoprolol	4.283	223625	1422539.2	97.75	27752.5	213050	130.347 ng/ml
Mirtazapine	4.560	1374466	194243.4	53.47	62764.4	751495	103.338 ng/ml
Mitragynine	5.180	357157	406300.2	30.78	131202.5	693397	113.128 ng/ml
Morphine	1.161	52228	∞	19.88	∞	6181	109.547 ng/ml
Norbuprenorphine	4.959	4771	418.9	112.24	329.1	8784	9.896 ng/ml
Nordiazepam	5.872	51090	3979.2	58.40	1746.4	16625	102.522 ng/ml
Norfentanyl	4.040	40931	3290.4	29.43	750.3	455949	9.769 ng/ml
Norhydrocodone	3.007	56403	2228.5	24.34	∞	67165	84.840 ng/ml
Noroxycodone	2.849	202990	∞	47.91	∞	67683	102.161 ng/ml
O-desmethyl-tramadol	3.318	1776006	893597.8	7.12	12769.5	719568	101.945 ng/ml
O-Desmethylvenlafaxine	4.023	474440	1098.5	519.82	64187.9	153126	107.144 ng/ml
Olanzapine	4.343	832043	30674.1	42.02	38928.8	197002	115.970 ng/ml
Oxazepam	5.737	26829	2535.5	67.82	129.2	13026	98.867 ng/ml
Oxycodone	2.761	546913	∞	29.41	16747.8	221745	104.155 ng/ml
Oxymorphone	1.329	469492	∞	43.27	∞	180607	101.834 ng/ml
Phentermine	3.724	203920	∞	11.11	451.6	271421	103.523 ng/ml
Promethazine	5.522	1385750	261919.6	39.73	2332943.7	666187	100.229 ng/ml
Pseudoephedrine	2.501	1681050	∞	17.49	134504.7	693397	103.336 ng/ml
Quetiapine	5.498	1367217	216402.4	63.69	∞	193309	111.766 ng/ml
Sertraline	5.772	234848	1255518.2	107.95	9672.6	101196	98.222 ng/ml
Temazepam	5.804	215906	758635.5	33.35	1565.5	94422	95.760 ng/ml
Tramadol	4.197	1716763	∞	4.08	∞	839802	107.454 ng/ml
Trazodone	5.016	796914	11557.4	129.98	62237.7	477787	104.099 ng/ml
Venlafaxine	5.008	1313435	39086.0	36.81	8477.5	659593	97.953 ng/ml
Xylazine	4.025	104608	721.3	132.16	917.5	178932	105.148 ng/ml
Zolpidem	4.791	1762621	∞	30.52	57488.6	746514	101.982 ng/ml

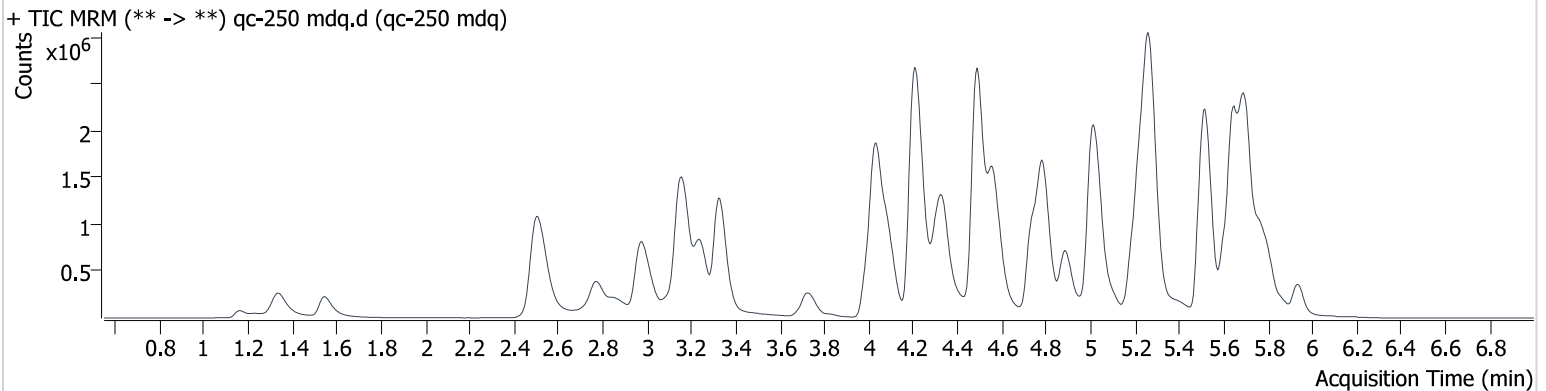
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type QC
Acq. Method mdqp1 72723.m
Sample Position P2-C2
Injection Volume 3
Acq. Date-Time 10/5/2023 1:03:52 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	3.097	32601	81330.3	145.26	72072.9	42674	24.501 ng/ml
7-aminoclonazepam	4.206	177208	32377.3	115.79	189184.8	42346	236.092 ng/ml
a-hydroxyalprazolam	5.672	33517	∞	66.94	383.5	7148	252.235 ng/ml
alpha-PHP	4.890	681091	29783.6	250.25	30611.5	321718	256.440 ng/ml
alpha-PVP	4.316	1904974	7398759.5	56.34	60193.4	321718	246.727 ng/ml
Alprazolam	5.751	750807	55046.0	92.41	16927.9	116920	256.563 ng/ml
Amphetamine	2.979	777228	329611.3	255.42	317777.7	130461	238.962 ng/ml
Benzoylcegonine	3.827	55432	101252.5	40.33	5771.7	7883	264.538 ng/ml
Bromazolam	5.791	271144	∞	93.08	4380.4	45845	267.381 ng/ml
Buprenorphine	5.644	47273	22935.0	14.61	1293.8	38423	24.947 ng/ml
Bupropion	4.741	2014260	787802.0	71.17	296430.8	252012	259.895 ng/ml
Carisoprodol	5.707	507540	∞	65.12	5967.5	68023	246.675 ng/ml
Citalopram	5.202	1488234	157092.8	41.08	63377.8	269814	247.949 ng/ml
Clonazepam	5.584	98599	271665.4	34.18	49236.8	7681	283.379 ng/ml
Clonazolam	5.536	170070	6742.6	37.92	2577.2	9726	268.733 ng/ml
Cocaine	4.226	1757205	371265.6	44.58	41400.0	531296	248.573 ng/ml
Codeine	2.518	154319	9825.0	92.93	46149.0	34074	253.190 ng/ml
Cyclobenzaprine	5.612	2084619	223260.6	9.67	20220.8	264815	252.279 ng/ml
Dextromethorphan	5.241	1170030	255412.2	74.33	3273726265 60728.0	225193	247.636 ng/ml
Dextrorphan	4.090	1559997	80054.3	45.83	129305.1	294405	246.923 ng/ml
Diazepam	5.939	504148	32441.4	86.07	∞	86525	253.592 ng/ml
Dihydrocodeine	2.477	522307	19339.0	66.25	10604.8	135284	234.766 ng/ml
Diphenhydramine	5.272	5688268	471690.3	32.53	675430.0	986012	241.250 ng/ml
Doxylamine	4.487	5722857	451609.5	95.15	∞	682534	252.806 ng/ml
Duloxetine	5.643	290074	∞	8.18	491.2	36977	252.651 ng/ml
EDDP	5.235	2513096	∞	42.46	∞	479899	250.934 ng/ml
Etizolam	5.797	75125	27837.0	380.40	7352.2	116920	227.115 ng/ml
Fentanyl	5.048	209420	4025.3	151.78	25186.0	355544	25.004 ng/ml
Fluorofentanyl	5.098	226607	240487.3	112.18	1430.0	4849	24.700 ng/ml
Fluoxetine	5.710	1990936	81682.8	6.49	102775.6	269016	246.546 ng/ml
Hydrocodone	2.966	637684	∞	40.04	∞	154982	245.465 ng/ml
Hydromorphone	1.547	557709	∞	72.34	∞	75794	237.906 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.687	2021713	233781.9	108.68	7801.8	563693	260.546 ng/ml
Ketamine	3.993	1143331	3326614.3	38.37	156687.2	228560	249.478 ng/ml
Lamotrigine	4.249	86932	8437.9	96.30	8648.8	179385	253.086 ng/ml
Lorazepam	5.730	37949	45800.5	41.37	1774.6	9726	263.598 ng/ml
MDA	3.141	1075830	24154.0	29.55	10345.9	179385	262.102 ng/ml
MDMA	3.242	1443923	1402324.5	96.99	65027.0	58627	247.885 ng/ml
Meprobamate	4.860	155950	6436.5	47.88	17804.7	24578	259.601 ng/ml
Methadone	5.648	3759786	299526.1	47.89	148177.5	551361	245.215 ng/ml
Methamphetamine	3.162	2974358	∞	38.16	∞	464031	229.716 ng/ml
Metoprolol	4.288	407642	∞	98.09	∞	179385	282.167 ng/ml
Mirtazapine	4.565	2989152	∞	50.86	363245.6	682534	248.320 ng/ml
Mitragynine	5.180	743122	601882.3	30.62	104004.2	563693	289.238 ng/ml
Morphine	1.166	119116	∞	18.76	∞	6258	246.580 ng/ml
Norbuprenorphine	4.964	10902	673.0	102.13	7932.1	8092	24.864 ng/ml
Nordiazepam	5.877	103051	∞	62.52	11614.4	11718	293.126 ng/ml
Norfentanyl	4.050	77025	7818.7	28.35	3199.2	335715	24.950 ng/ml
Norhydrocodone	3.022	129808	∞	24.61	∞	55750	233.463 ng/ml
Noroxycodone	2.859	439288	∞	49.78	∞	58669	254.945 ng/ml
O-desmethyl-tramadol	3.328	3857668	174673.0	7.06	40121.2	646633	246.584 ng/ml
O-Desmethylvenlafaxine	4.033	906652	15735.9	522.53	51735.8	122584	256.057 ng/ml
Olanzapine	4.343	1760997	41763.9	43.87	24207.5	183393	263.889 ng/ml
Oxazepam	5.732	50488	155874.9	76.23	873.5	9726	248.730 ng/ml
Oxycodone	2.771	1231172	∞	28.92	∞	207955	250.320 ng/ml
Oxymorphone	1.334	978606	∞	43.01	∞	156047	245.905 ng/ml
Phentermine	3.729	419686	2542.9	10.53	2262.4	249158	233.823 ng/ml
Promethazine	5.528	2837964	158391.0	38.93	∞	561557	242.944 ng/ml
Pseudoephedrine	2.510	3392528	∞	17.39	56618.3	563693	256.518 ng/ml
Quetiapine	5.498	2790277	196906.3	61.24	508439.7	175420	251.533 ng/ml
Sertraline	5.767	443925	3581247.7	107.07	∞	80150	233.567 ng/ml
Temazepam	5.804	388089	68000.7	32.85	2818.7	67684	239.279 ng/ml
Tramadol	4.202	3417210	∞	4.08	∞	722409	249.386 ng/ml
Trazodone	5.016	1523301	∞	132.89	∞	423584	225.276 ng/ml
Venlafaxine	5.008	2909867	146674.0	34.90	60004.5	571365	249.037 ng/ml
Xylazine	4.030	208855	1383.2	131.95	4208.4	147947	255.604 ng/ml
Zolpidem	4.785	3681037	600747.4	30.31	39834.6	633779	250.914 ng/ml

AM #28 Multi-Drug Quant. Results

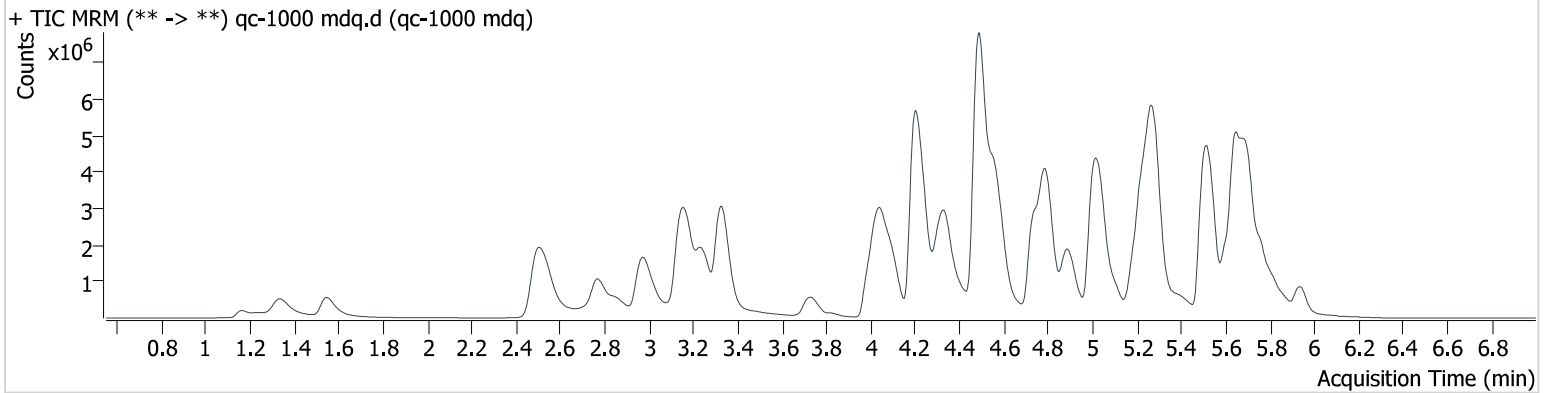
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Sample qc-1000 mdq
Operator Anne Nord

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	3.097	91034	169900.4	139.45	∞	29984	97.319 ng/ml
7-aminoclonazepam	4.196	284103	25824.3	110.28	16750.4	24785	648.619 ng/ml
a-hydroxyalprazolam	5.683	64494	∞	56.80	∞	3386	1022.611 ng/ml
alpha-PHP	4.890	1968153	72828.6	259.16	96581.3	209846	1134.113 ng/ml
alpha-PVP	4.316	5048975	4858046.9	55.04	1064477.9	209846	1002.149 ng/ml
Alprazolam	5.751	1500461	10441.0	90.00	∞	57461	1043.684 ng/ml
Amphetamine	2.979	1603874	296058.7	251.88	323353.1	97218	665.054 ng/ml
Benzoylcegonine	3.827	197693	∞	40.94	20643.0	6766	1100.634 ng/ml
Bromazolam	5.791	479702	1456.6	107.07	∞	21948	988.204 ng/ml
Buprenorphine	5.644	65087	6124.8	16.47	2168.2	14742	91.806 ng/ml
Bupropion	4.736	5714409	569260.3	68.96	1421031.6	212048	878.204 ng/ml
Carisoprodol	5.712	788849	∞	63.27	23170.8	26907	968.986 ng/ml
Citalopram	5.197	2848791	228477.2	42.16	∞	129870	985.172 ng/ml
Clonazepam	5.579	255485	48593.9	33.10	15399.1	5757	983.373 ng/ml
Clonazolam	5.536	368157	∞	34.48	1711.5	7686	736.363 ng/ml
Cocaine	4.231	4188876	202431.5	43.49	450048.7	315937	996.357 ng/ml
Codeine	2.518	336682	4646360897	93.42	16078.1	20341	927.438 ng/ml
			24234.0				
Cyclobenzaprine	5.607	4613236	9435585.8	9.98	306684.4	145463	1016.116 ng/ml
Dextromethorphan	5.241	2491535	4789217.0	75.39	64680.6	119804	990.035 ng/ml
Dextrorphan	4.095	3998628	∞	45.46	176233.0	191008	974.183 ng/ml
Diazepam	5.939	1376837	7182.7	85.28	∞	57929	1034.407 ng/ml
Dihydrocodeine	2.472	1285515	6644.0	65.68	819.9	106545	735.392 ng/ml
Diphenhydramine	5.283	13512827	2684121.4	31.13	288642.9	577417	977.287 ng/ml
Doxylamine	4.487	18118204	569003.3	97.23	1212484.5	579176	943.612 ng/ml
Duloxetine	5.643	397676	∞	8.91	1308.6	13156	972.521 ng/ml
EDDP	5.235	7391580	475134.6	42.28	99903.6	340829	1039.217 ng/ml
Etizolam	5.797	171856	38214.8	373.61	39201.5	57461	1056.487 ng/ml
Fentanyl	5.053	639227	112241.2	152.96	181963.3	243966	111.184 ng/ml
Fluorofentanyl	5.104	844551	1553494.6	110.16	33095.2	4130	107.865 ng/ml
Fluoxetine	5.710	3709165	∞	6.32	304607.5	128987	957.319 ng/ml
Hydrocodone	2.966	1892677	∞	40.38	∞	119869	942.360 ng/ml
Hydromorphone	1.547	1709091	∞	70.51	∞	55453	995.551 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.687	4043586	∞	112.34	349089.1	327769	896.914 ng/ml
Ketamine	3.988	2543530	276235.6	38.11	51853.6	163018	779.273 ng/ml
Lamotrigine	4.249	129385	15606.6	93.16	110915.5	92308	731.283 ng/ml
Lorazepam	5.730	97893	2108.2	44.85	13207.2	7686	861.462 ng/ml
MDA	3.125	1739417	167825.6	30.04	45382.7	92308	825.162 ng/ml
MDMA	3.242	3620458	441141.3	93.89	176439.5	37034	984.000 ng/ml
Meprobamate	4.855	409803	97432.7	43.95	12688.5	19256	872.083 ng/ml
Methadone	5.647	10407400	3323373.0	46.03	1384711.5	386529	967.935 ng/ml
Methamphetamine	3.157	7349736	828972.0	37.26	147817.1	404843	659.495 ng/ml
Metoprolol	4.283	722618	∞	97.30	∞	92308	971.968 ng/ml
Mirtazapine	4.565	8373606	∞	50.18	611765.1	579176	821.215 ng/ml
Mitragynine	5.175	1980712	245756.2	33.95	278330.9	327769	1325.140 ng/ml
Morphine	1.166	342055	∞	19.36	∞	4831	916.846 ng/ml
Norbuprenorphine	4.964	30813	5095.3	105.70	3139.0	6207	92.189 ng/ml
Nordiazepam	5.877	278078	18716.9	64.68	9557.6	9285	997.878 ng/ml
Norfentanyl	4.050	110726	11983.7	30.24	8692.9	112966	106.551 ng/ml
Norhydrocodone	3.022	338075	∞	27.78	∞	34976	966.038 ng/ml
Noroxycodone	2.854	1138263	10675.6	48.34	11924.3	38456	1007.597 ng/ml
O-desmethyl-tramadol	3.328	11437928	∞	6.72	61957.9	497461	950.706 ng/ml
O-Desmethylvenlafaxine	4.038	1679936	40580.9	520.31	91281.9	60621	959.982 ng/ml
Olanzapine	4.343	5175614	223012.5	39.60	73382.4	129833	1096.091 ng/ml
Oxazepam	5.732	150168	20017.7	68.01	41230.7	7686	935.285 ng/ml
Oxycodone	2.766	3801792	∞	28.96	∞	170026	946.015 ng/ml
Oxymorphone	1.334	2436836	∞	42.88	∞	103139	926.902 ng/ml
Phentermine	3.734	1197895	∞	9.03	8835.1	196207	851.148 ng/ml
Promethazine	5.528	7974131	273016.9	37.55	127821.2	369164	1037.086 ng/ml
Pseudoephedrine	2.510	7971312	∞	17.17	∞	327769	1036.548 ng/ml
Quetiapine	5.493	6520038	∞	59.75	∞	120342	857.096 ng/ml
Sertraline	5.767	794596	1094986.2	104.92	1846946.8	28524	1172.257 ng/ml
Temazepam	5.809	807998	298619.7	32.00	14212.4	33201	1013.768 ng/ml
Tramadol	4.197	8655172	∞	3.97	∞	469762	973.000 ng/ml
Trazodone	5.021	3423296	214185.4	126.14	282421.8	313351	685.816 ng/ml
Venlafaxine	5.013	8534587	125739.8	35.86	42721.0	412677	1008.374 ng/ml
Xylazine	4.030	560810	1670.7	133.20	892.2	104590	974.226 ng/ml
Zolpidem	4.791	10744001	464556.4	30.45	282072.2	469203	989.332 ng/ml

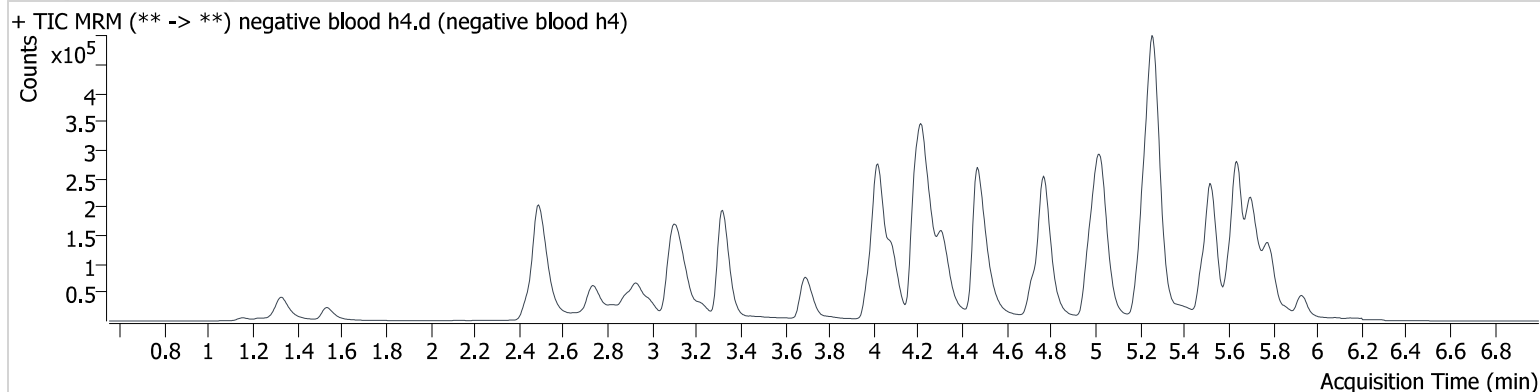
AM #28 Multi-Drug Quant. Results

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

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

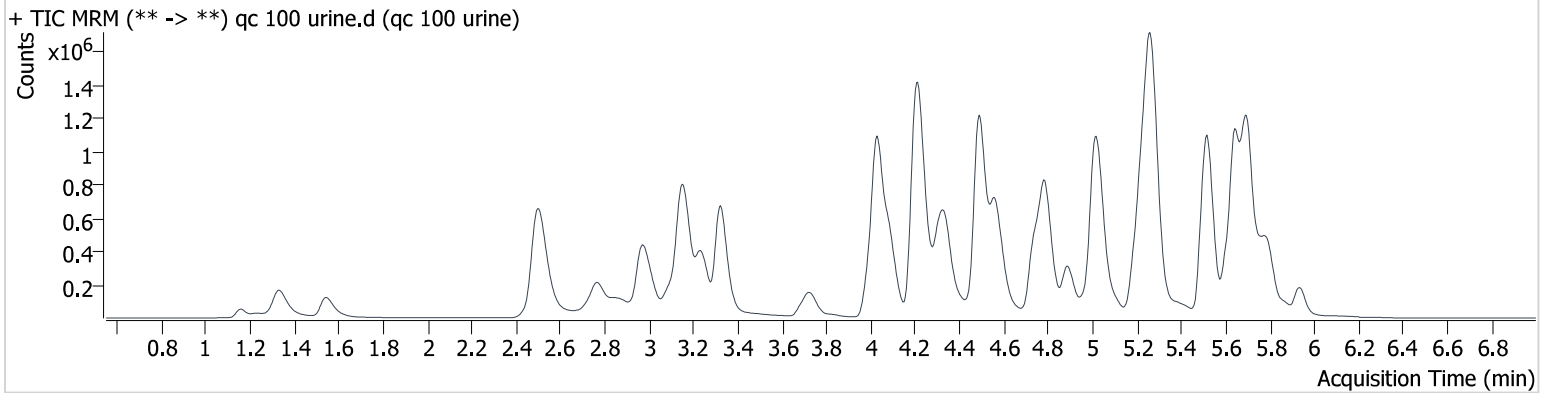
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Acq. Date-Time 10/5/2023 1:30:00 PM
Sample Info.

Data File qc 100 urine.d
Sample qc 100 urine
Operator Anne Nord
Comment

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.097	14414	∞	141.77	∞	47665	9.709 ng/ml
7-aminoclonazepam	4.206	94420	4679.2	114.75	5586.5	50745	104.356 ng/ml
a-hydroxyalprazolam	5.672	18430	∞	62.13	247.2	9743	102.113 ng/ml
alpha-PHP	4.890	278851	6293.0	255.73	20697.8	349801	96.922 ng/ml
alpha-PVP	4.321	839194	29020.4	56.66	33471.6	349801	100.042 ng/ml
Alprazolam	5.751	314074	∞	91.81	4675.8	124587	100.644 ng/ml
Amphetamine	2.979	396486	65513.9	246.68	114620.2	150995	104.276 ng/ml
Benzoylcegonine	3.827	24567	47741.6	42.51	771.7	9054	101.786 ng/ml
Bromazolam	5.791	122611	926.3	94.72	1104.0	53529	103.533 ng/ml
Buprenorphine	5.644	27877	4708.6	14.35	452.6	49096	11.038 ng/ml
Bupropion	4.741	852780	66950.4	71.84	171158.0	255208	108.181 ng/ml
Carisoprodol	5.707	264253	360794.1	68.65	4971.6	86336	101.247 ng/ml
Citalopram	5.202	715113	99543.0	40.35	25145.6	311985	103.213 ng/ml
Clonazepam	5.584	33699	7268.7	39.18	5100.6	8222	89.492 ng/ml
Clonazolam	5.525	55229	10109.3	35.99	1039.3	10975	77.225 ng/ml
Cocaine	4.226	765783	56938.6	44.81	32685.9	577556	99.673 ng/ml
Codeine	2.513	83707	26722.6	90.99	7758.6	42847	108.765 ng/ml
Cyclobenzaprine	5.612	870132	397535.9	9.91	58890.2	277884	100.400 ng/ml
Dextromethorphan	5.241	527378	68835.0	72.12	65434.2	255772	98.511 ng/ml
Dextrorphan	4.090	682649	41002.2	45.63	19328.3	320036	99.672 ng/ml
Diazepam	5.939	221317	5655.0	84.86	1476.4	94579	101.853 ng/ml
Dihydrocodeine	2.477	263201	636.2	66.57	8057.5	157016	101.472 ng/ml
Diphenhydramine	5.272	2556916	∞	33.49	436605.7	1145593	93.610 ng/ml
Doxylamine	4.492	2412014	52989.1	94.92	39380.3	694871	104.570 ng/ml
Duloxetine	5.643	151875	1266.7	8.58	1745.7	46853	104.606 ng/ml
EDDP	5.235	1189041	141763.2	42.75	194463.4	568359	100.246 ng/ml
Etizolam	5.791	32384	∞	392.69	∞	124587	91.987 ng/ml
Fentanyl	5.048	86998	986.6	147.99	8800.4	392394	9.420 ng/ml
Fluorofentanyl	5.104	90030	48.7	113.01	3298.5	5081	9.409 ng/ml
Fluoxetine	5.705	937237	46834.4	6.37	54387.5	321299	97.311 ng/ml
Hydrocodone	2.966	285045	∞	40.22	∞	172033	98.765 ng/ml
Hydromorphone	1.547	270580	∞	72.16	∞	88601	98.911 ng/ml
Hydroxyzine	5.687	904428	37333.3	106.30	60869.8	684510	95.801 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.993	539467	386396.1	37.42	13171.0	254227	105.523 ng/ml
Lamotrigine	4.244	42142	5116.6	96.60	6147.1	211980	104.051 ng/ml
Lorazepam	5.725	16927	5425.5	39.90	∞	10975	103.909 ng/ml
MDA	3.141	567629	120211.2	30.81	∞	211980	116.604 ng/ml
MDMA	3.237	651961	39634.7	94.48	47026.9	65210	100.613 ng/ml
Meprobamate	4.860	67871	6758.0	49.62	4964.7	26573	104.149 ng/ml
Methadone	5.647	1580351	103348.1	49.54	50877.3	569185	99.904 ng/ml
Methamphetamine	3.157	1395335	60623.4	38.27	∞	492723	98.787 ng/ml
Metoprolol	4.288	207780	9632.0	99.18	∞	211980	121.725 ng/ml
Mirtazapine	4.565	1289043	100313.8	47.38	3123.5	694871	104.822 ng/ml
Mitragynine	5.180	346001	41654.3	30.59	156164.8	684510	111.021 ng/ml
Morphine	1.161	64409	∞	19.61	∞	9226	90.530 ng/ml
Norbuprenorphine	4.969	4734	703.4	105.95	703.8	8646	9.977 ng/ml
Nordiazepam	5.877	48890	3927.2	61.52	8276.4	16106	101.271 ng/ml
Norfentanyl	4.045	42418	3781.2	27.89	1577.3	464049	9.947 ng/ml
Norhydrocodone	3.017	55882	∞	25.69	∞	67290	83.910 ng/ml
Noroxycodone	2.854	217585	∞	48.24	∞	74501	99.486 ng/ml
O-desmethyl-tramadol	3.323	1632219	87237.8	7.18	22109.0	678645	99.338 ng/ml
O-Desmethylvenlafaxine	4.033	450908	7826.9	521.31	∞	148042	105.323 ng/ml
Olanzapine	4.343	801413	9394.9	39.45	19977.9	214000	102.808 ng/ml
Oxazepam	5.737	23992	805.8	65.82	793.4	10975	104.915 ng/ml
Oxycodone	2.766	585471	∞	29.32	∞	240817	102.665 ng/ml
Oxymorphone	1.329	506856	∞	43.23	∞	201661	98.455 ng/ml
Phentermine	3.729	202269	24205.4	11.07	1279.1	256013	108.937 ng/ml
Promethazine	5.528	1161004	66102.7	39.80	30537.4	580588	96.369 ng/ml
Pseudoephedrine	2.505	1616492	∞	17.41	12755.4	684510	100.658 ng/ml
Quetiapine	5.498	1259115	561826.1	60.75	339828.3	179586	110.793 ng/ml
Sertraline	5.772	181787	73949.4	110.87	22965.5	85434	90.108 ng/ml
Temazepam	5.798	230452	3961.6	33.42	2306.2	100102	96.408 ng/ml
Tramadol	4.202	1585171	∞	3.92	862.8	787333	105.821 ng/ml
Trazodone	5.016	656133	181215.2	139.00	40673.7	418060	97.912 ng/ml
Venlafaxine	5.013	1194184	72193.6	37.05	52929.6	605619	97.006 ng/ml
Xylazine	4.030	93991	299.4	128.75	1585.8	155847	108.508 ng/ml
Zolpidem	4.791	1589186	103542.4	30.10	4856.9	662073	103.675 ng/ml

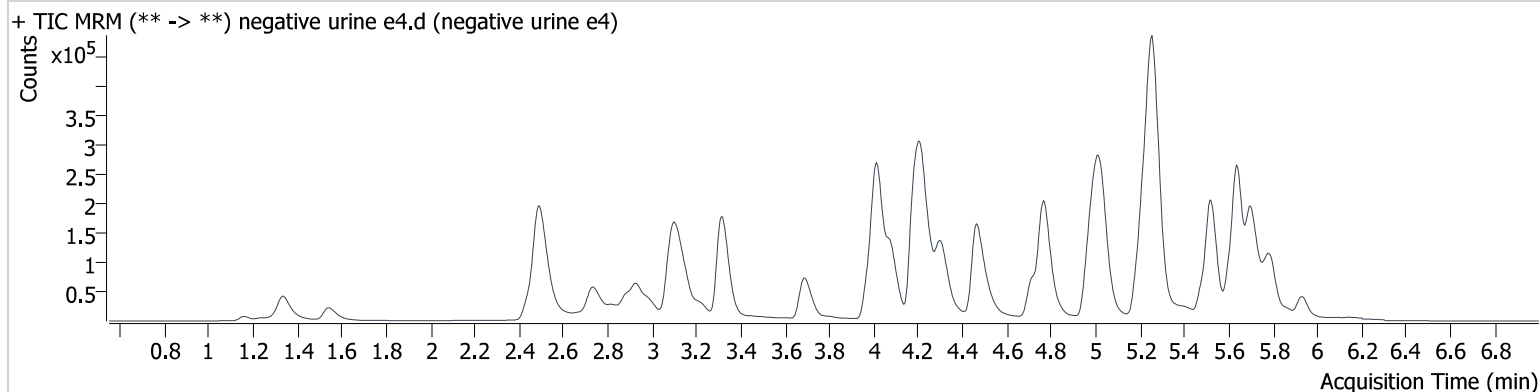
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type Sample
Acq. Method mdqp1 72723.m
Sample Position P2-E4
Injection Volume 3
Acq. Date-Time 10/5/2023 4:06:42 PM
Sample Info.

Data File negative urine e4.d
Sample negative urine e4
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

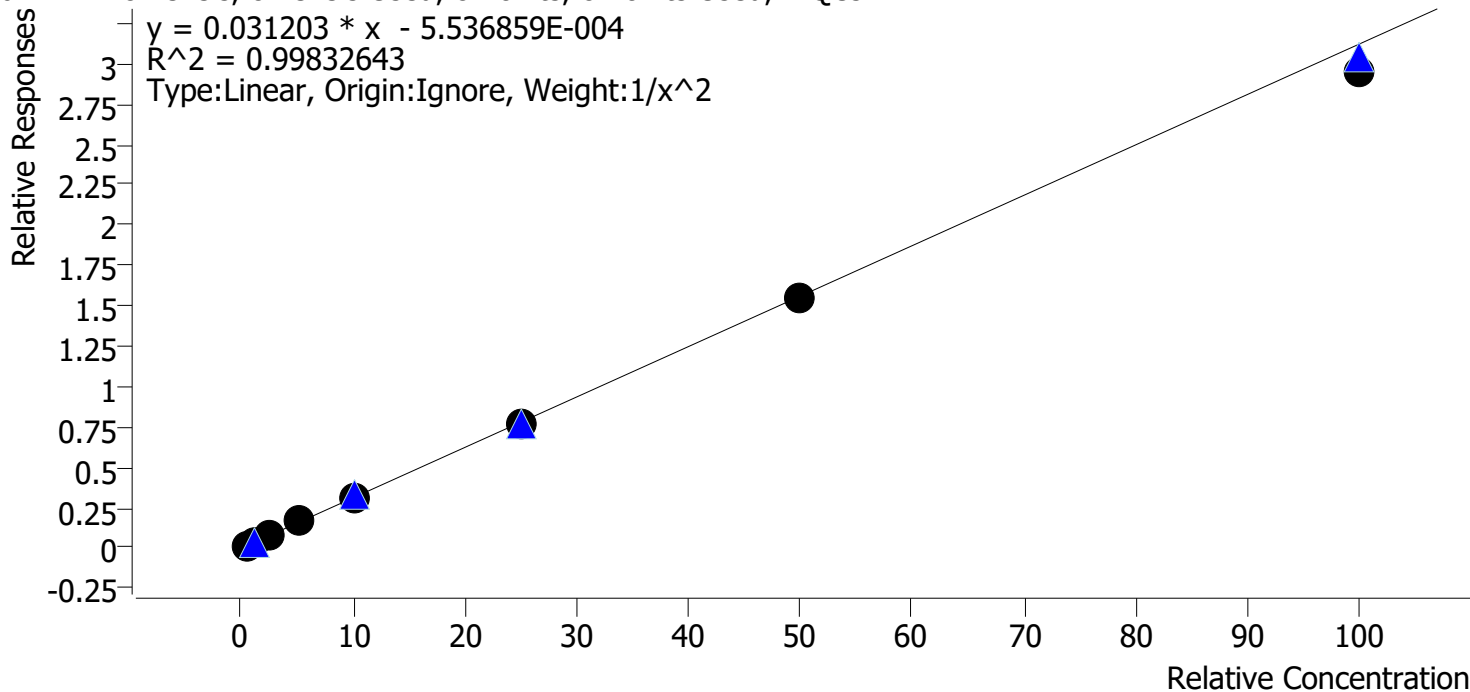


Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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



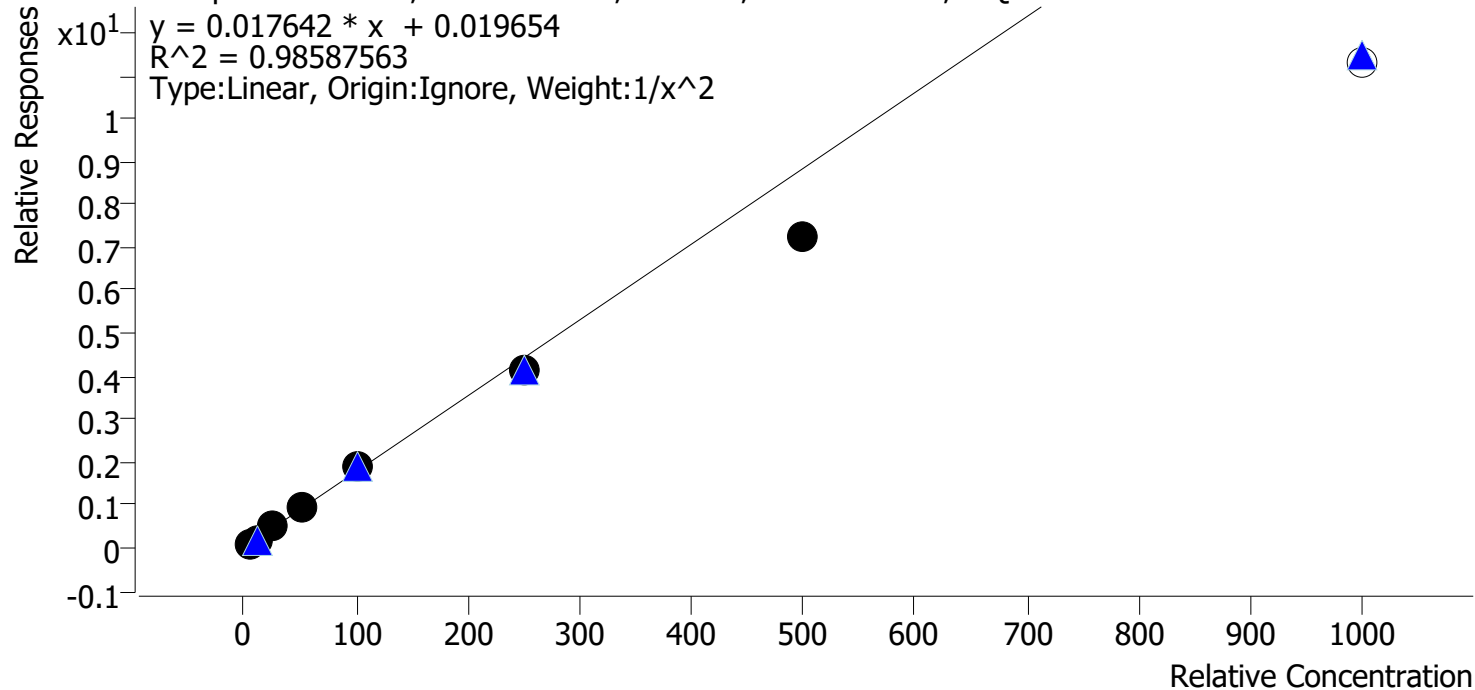
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	97.8
cal 2 mdq	2	✓	1.0	1.0	101.7
cal 3 mdq	3	✓	2.5	2.6	104.8
cal 4 mdq	4	✓	5.0	5.2	104.0
cal 5 mdq	5	✓	10.0	10.1	101.0
cal 6 mdq	6	✓	25.0	24.4	97.6
cal 7 mdq	7	✓	50.0	49.4	98.7
cal 8 mdq	8	✓	100.0	94.2	94.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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

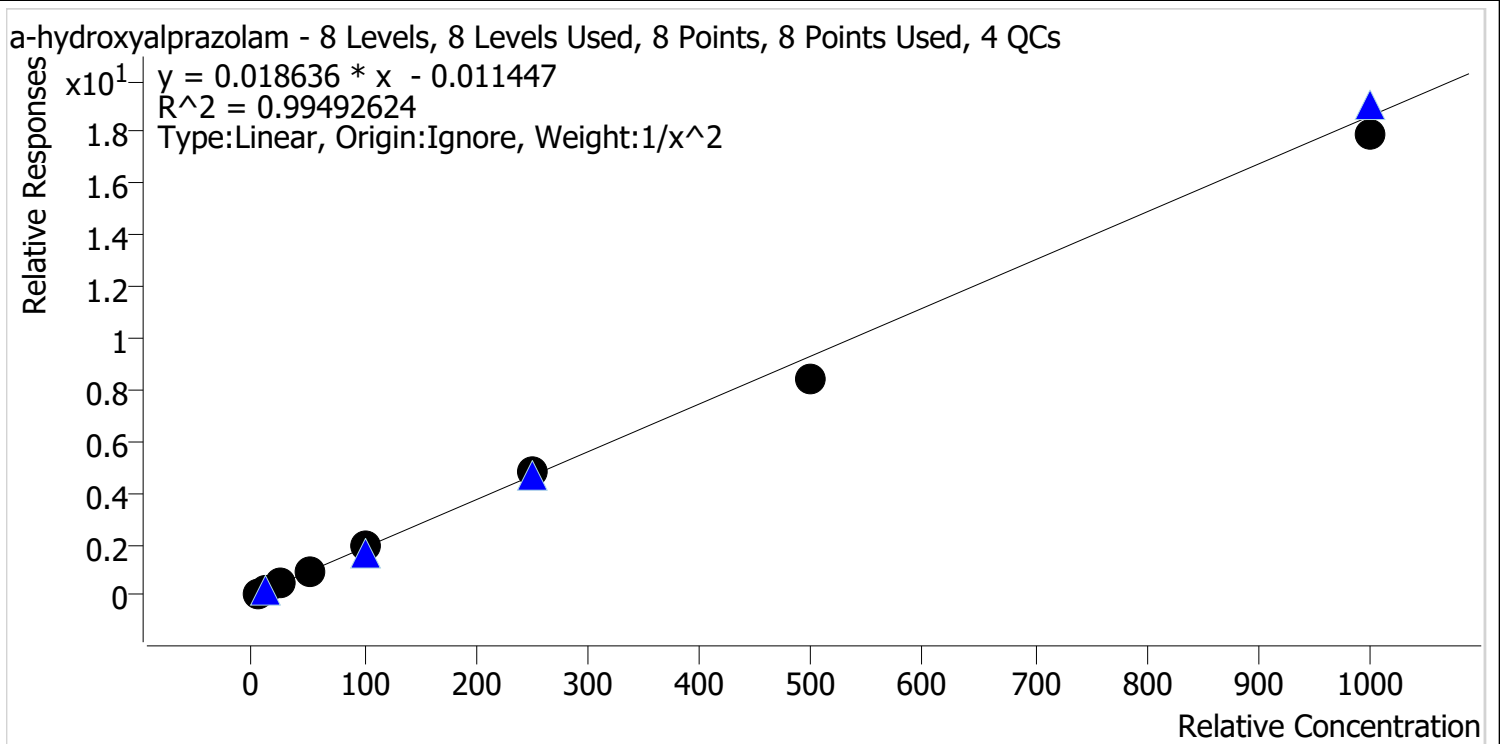


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	27.4	109.5
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	108.5	108.5
cal 6 mdq	6	✓	250.0	235.4	94.2
cal 7 mdq	7	✓	500.0	408.8	81.8
cal 8 mdq	8	✗	1000.0	637.7	63.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



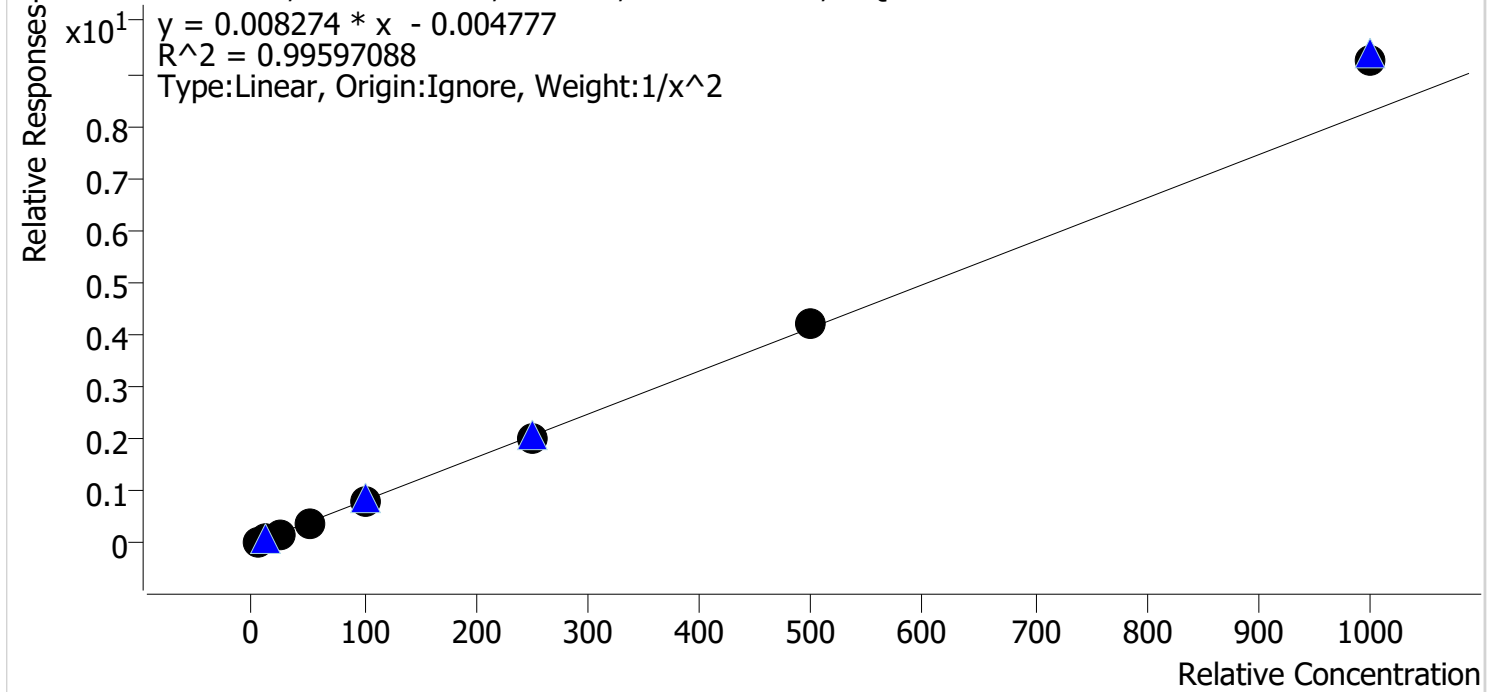
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.4	104.5
cal 3 mdq	3	✓	25.0	23.4	93.6
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	107.4	107.4
cal 6 mdq	6	✓	250.0	254.9	101.9
cal 7 mdq	7	✓	500.0	455.3	91.1
cal 8 mdq	8	✓	1000.0	962.9	96.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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

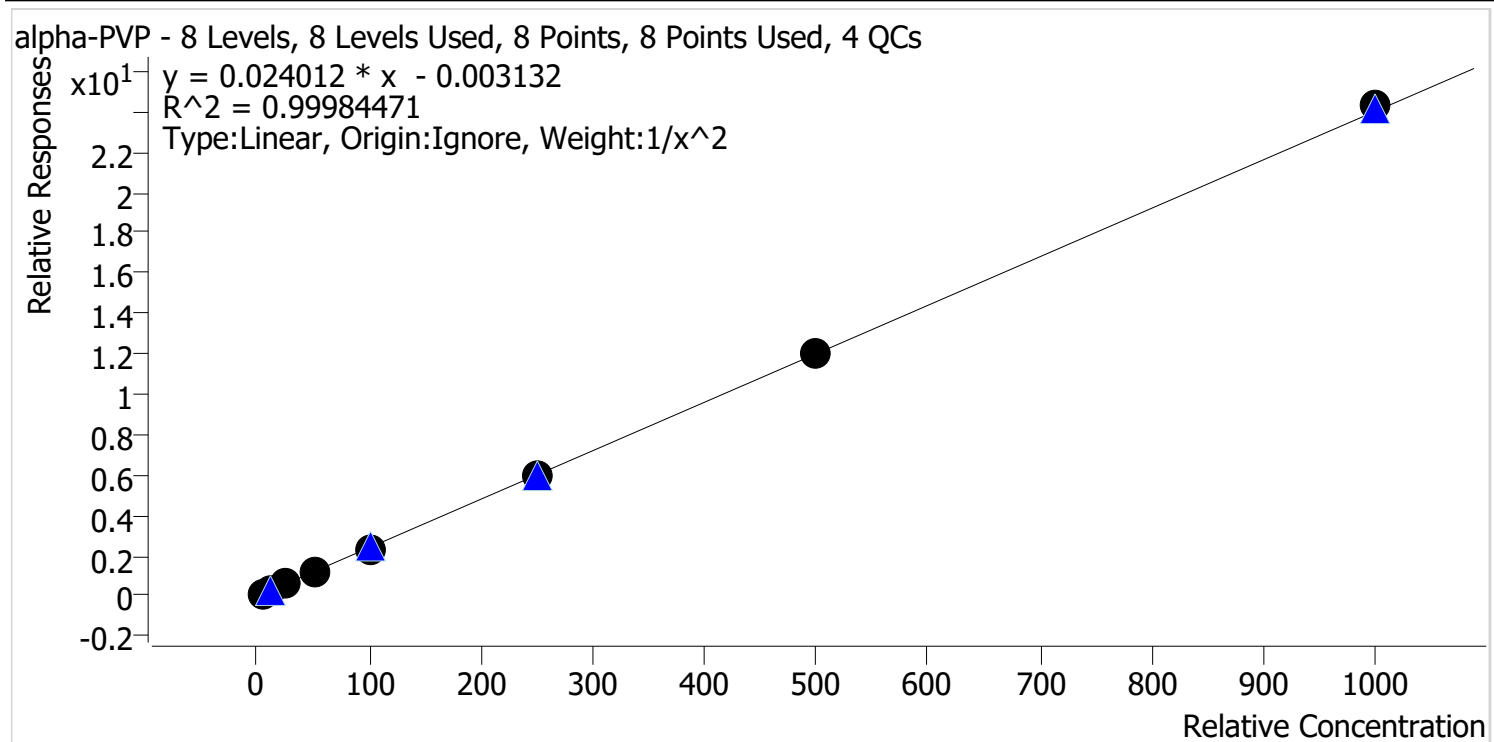


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	46.5	93.1
cal 5 mdq	5	✓	100.0	97.8	97.8
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	505.3	101.1
cal 8 mdq	8	✓	1000.0	1119.7	112.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



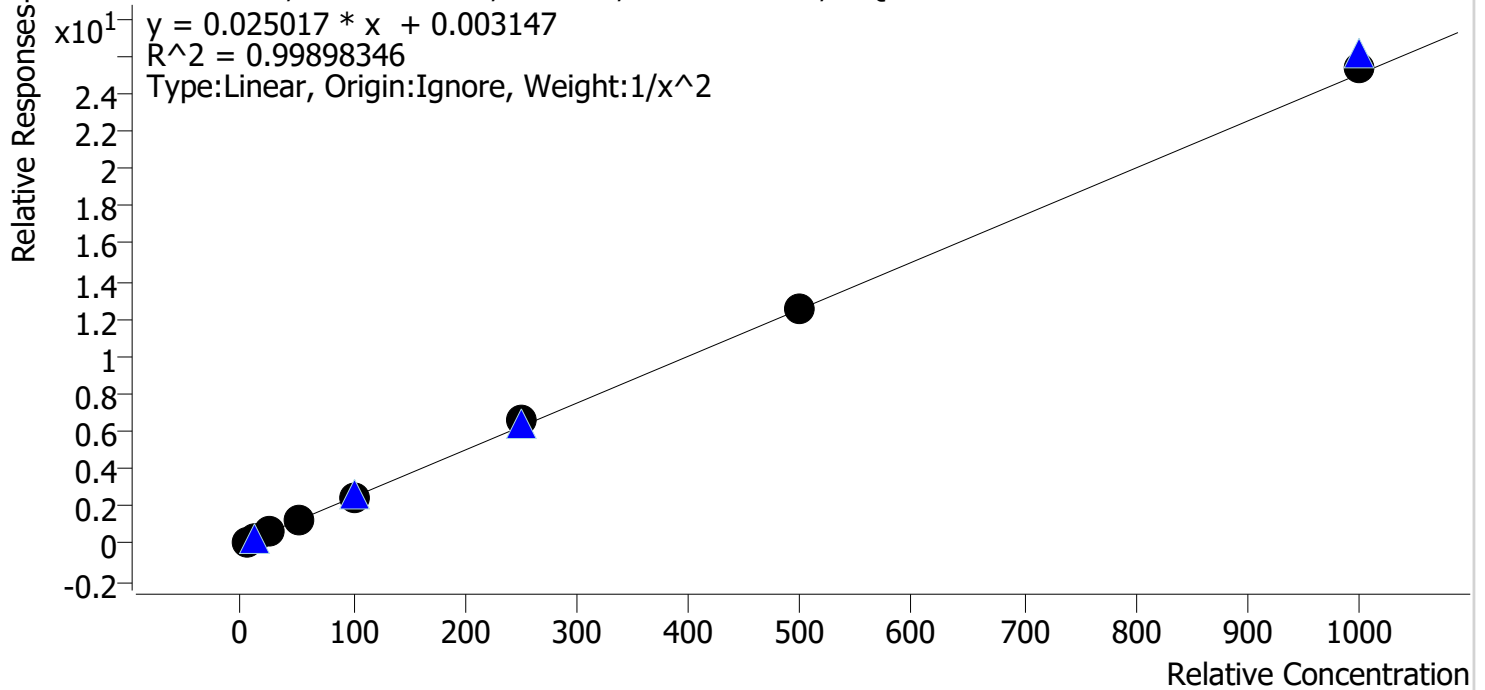
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	250.4	100.2
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	1011.8	101.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



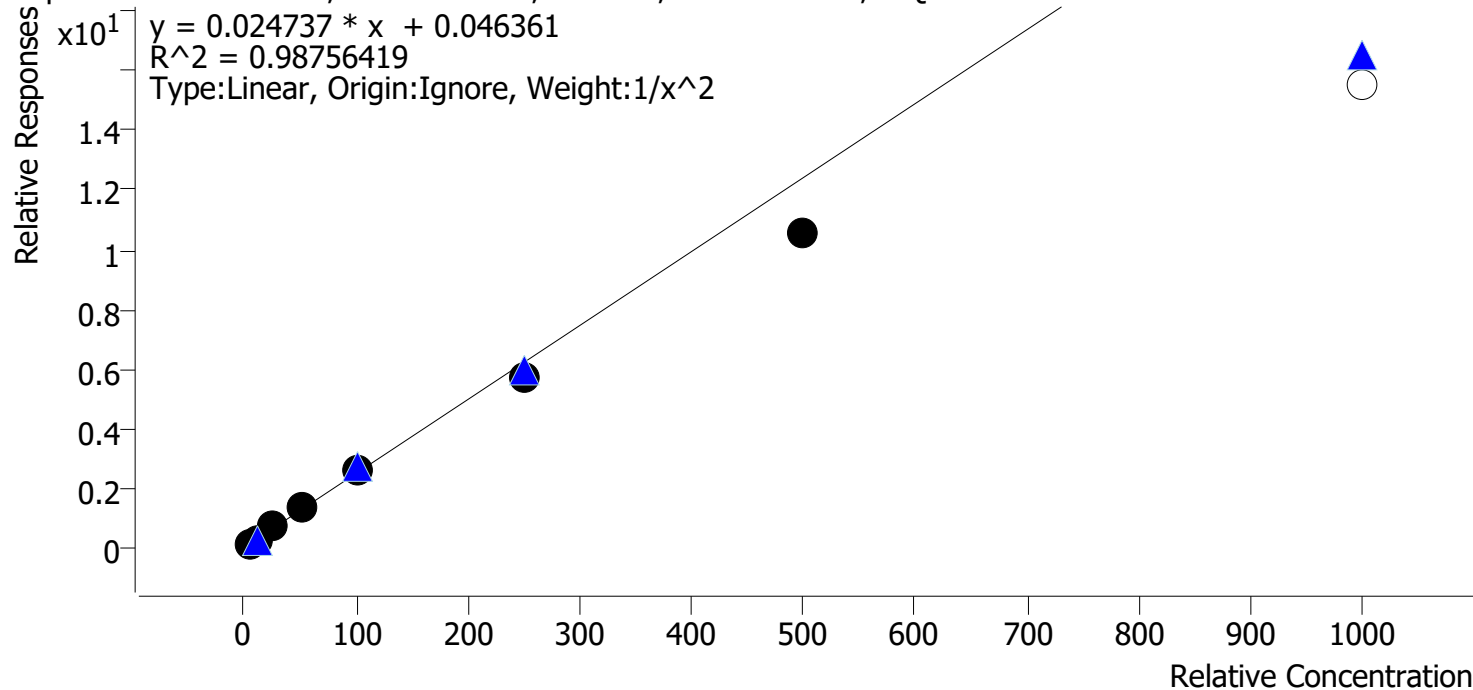
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	48.9	97.8
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	261.1	104.5
cal 7 mdq	7	✓	500.0	501.4	100.3
cal 8 mdq	8	✓	1000.0	1010.4	101.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



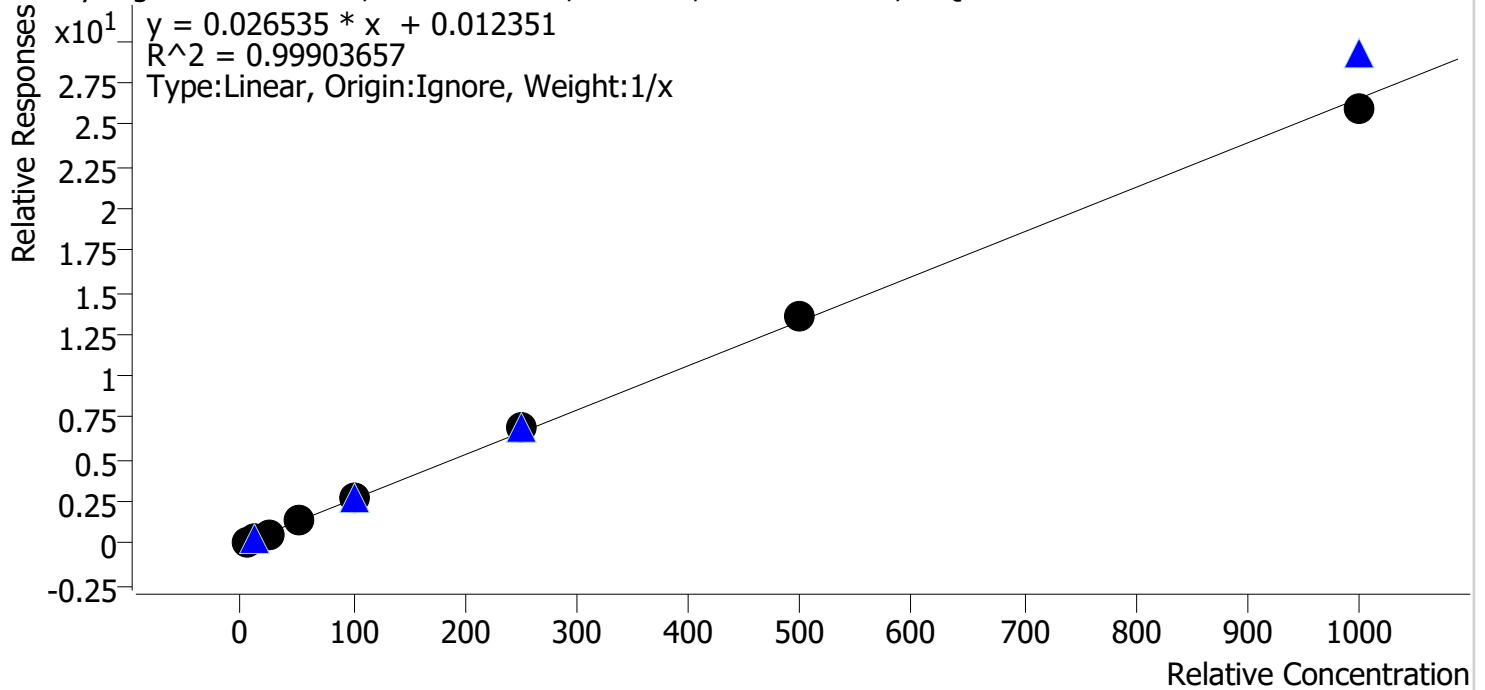
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	27.9	111.5
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	229.8	91.9
cal 7 mdq	7	✓	500.0	425.7	85.1
cal 8 mdq	8	x	1000.0	623.4	62.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8

Benzoyllecgonine - 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	4.6	92.0
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	23.4	93.4
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	260.3	104.1
cal 7 mdq	7	✓	500.0	507.6	101.5
cal 8 mdq	8	✓	1000.0	976.4	97.6

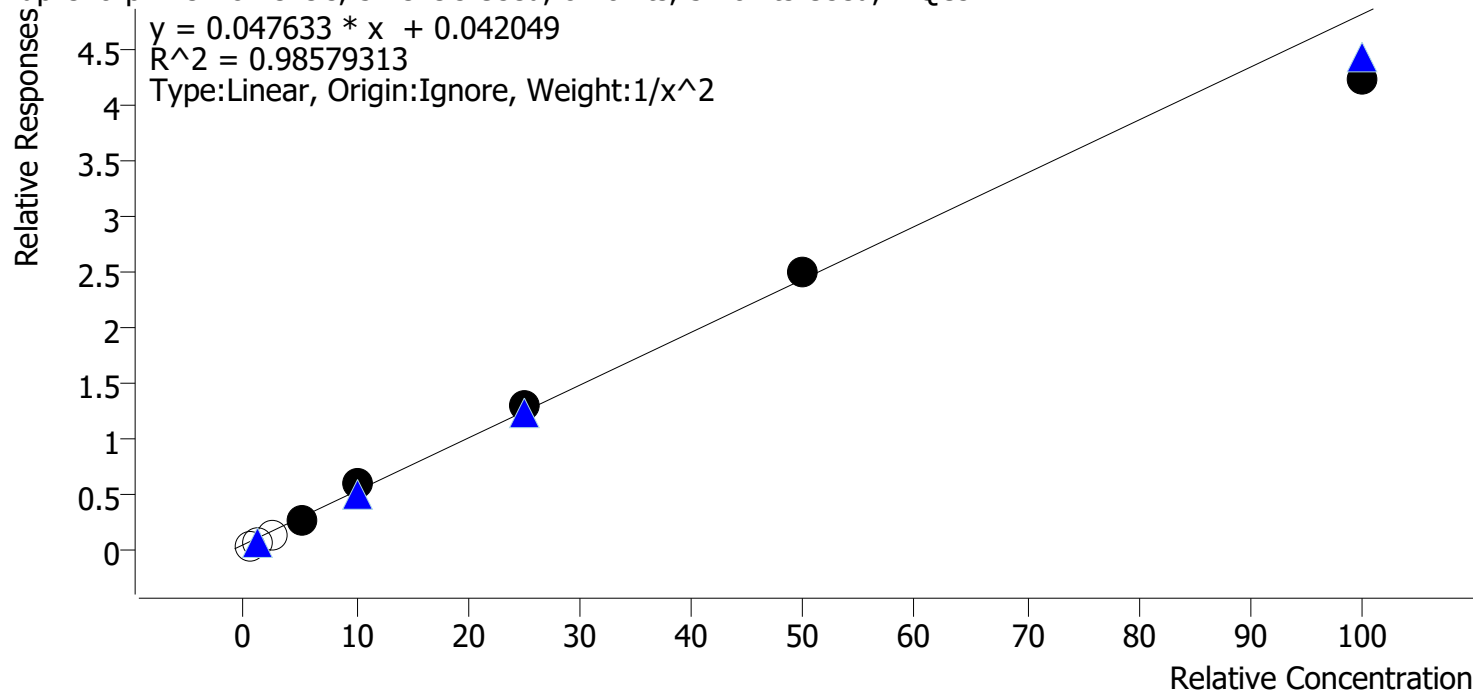
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Buprenorphine

Internal Standard Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.0	0.0
cal 2 mdq	2	x	1.0	0.2	23.0
cal 3 mdq	3	x	2.5	1.9	77.3
cal 4 mdq	4	✓	5.0	4.7	93.7
cal 5 mdq	5	✓	10.0	11.1	111.5
cal 6 mdq	6	✓	25.0	26.1	104.6
cal 7 mdq	7	✓	50.0	51.1	102.2
cal 8 mdq	8	✓	100.0	88.0	88.0

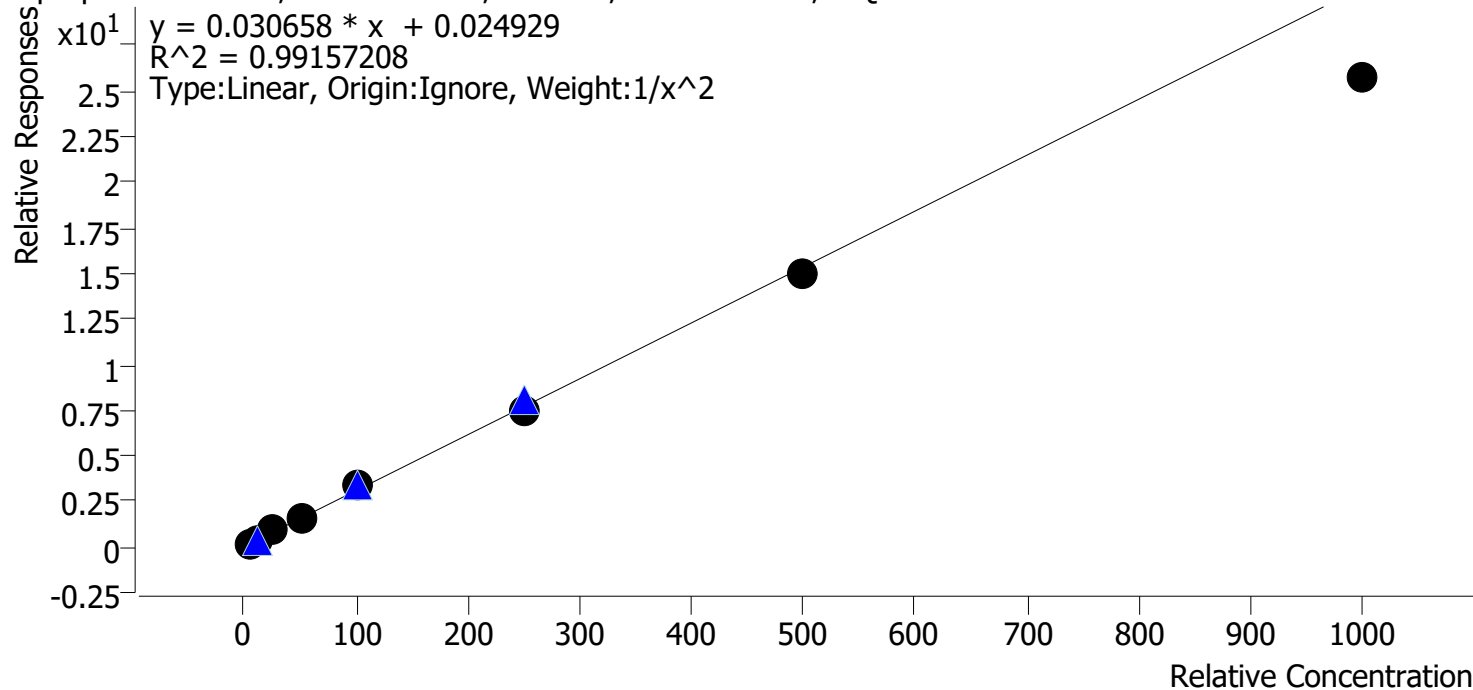
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	96.5
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	27.1	108.4
cal 4 mdq	4	✓	50.0	52.0	104.1
cal 5 mdq	5	✓	100.0	108.8	108.8
cal 6 mdq	6	✓	250.0	244.9	98.0
cal 7 mdq	7	✓	500.0	490.8	98.2
cal 8 mdq	8	✓	1000.0	839.0	83.9

Compound Calibration Report

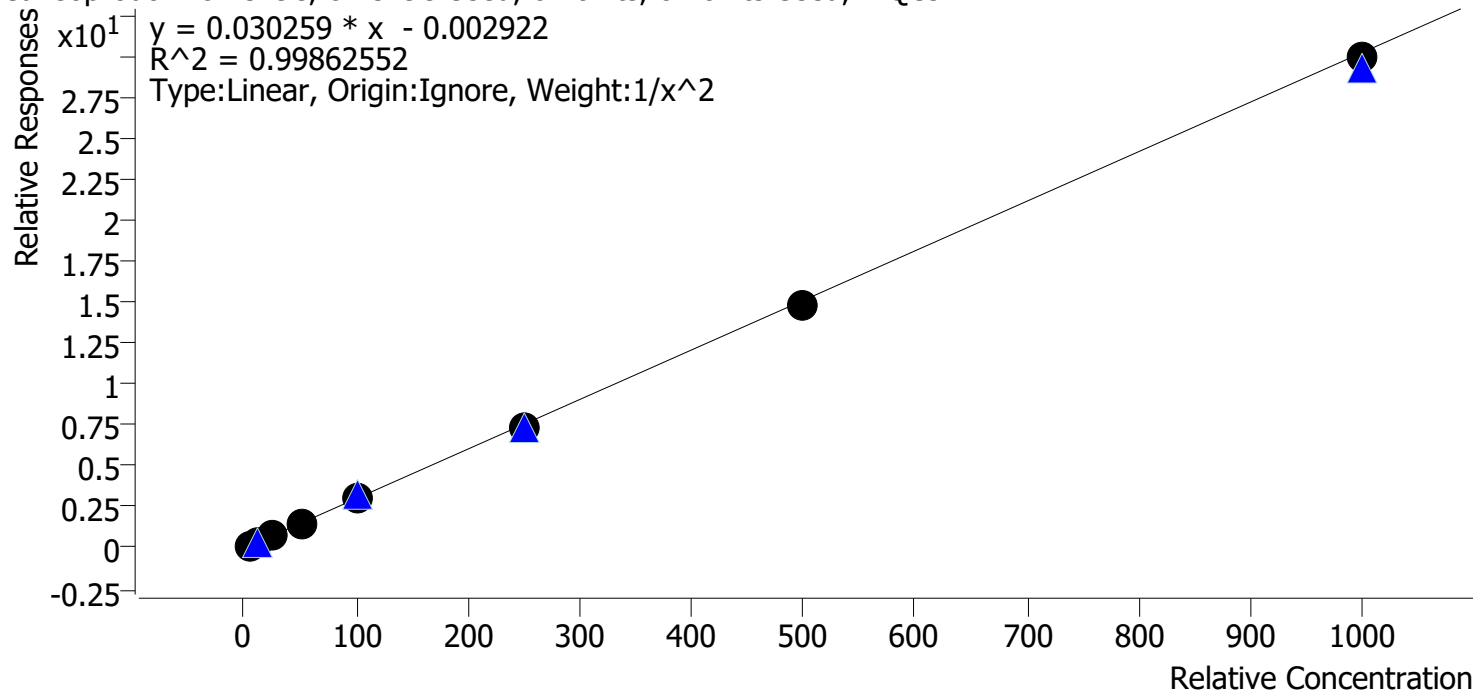


Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Carisoprodol

Internal Standard

Carisoprodol-D7

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



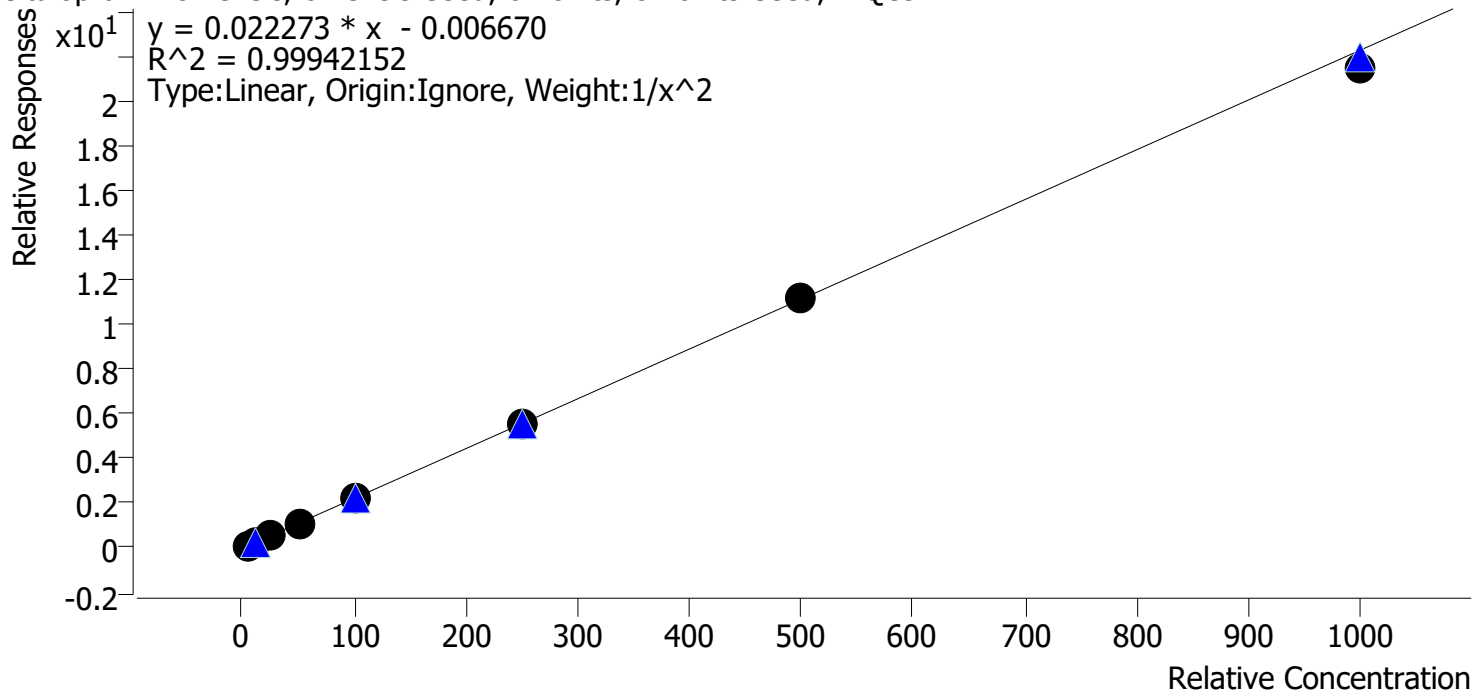
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	26.7	106.8
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	488.3	97.7
cal 8 mdq	8	✓	1000.0	989.9	99.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



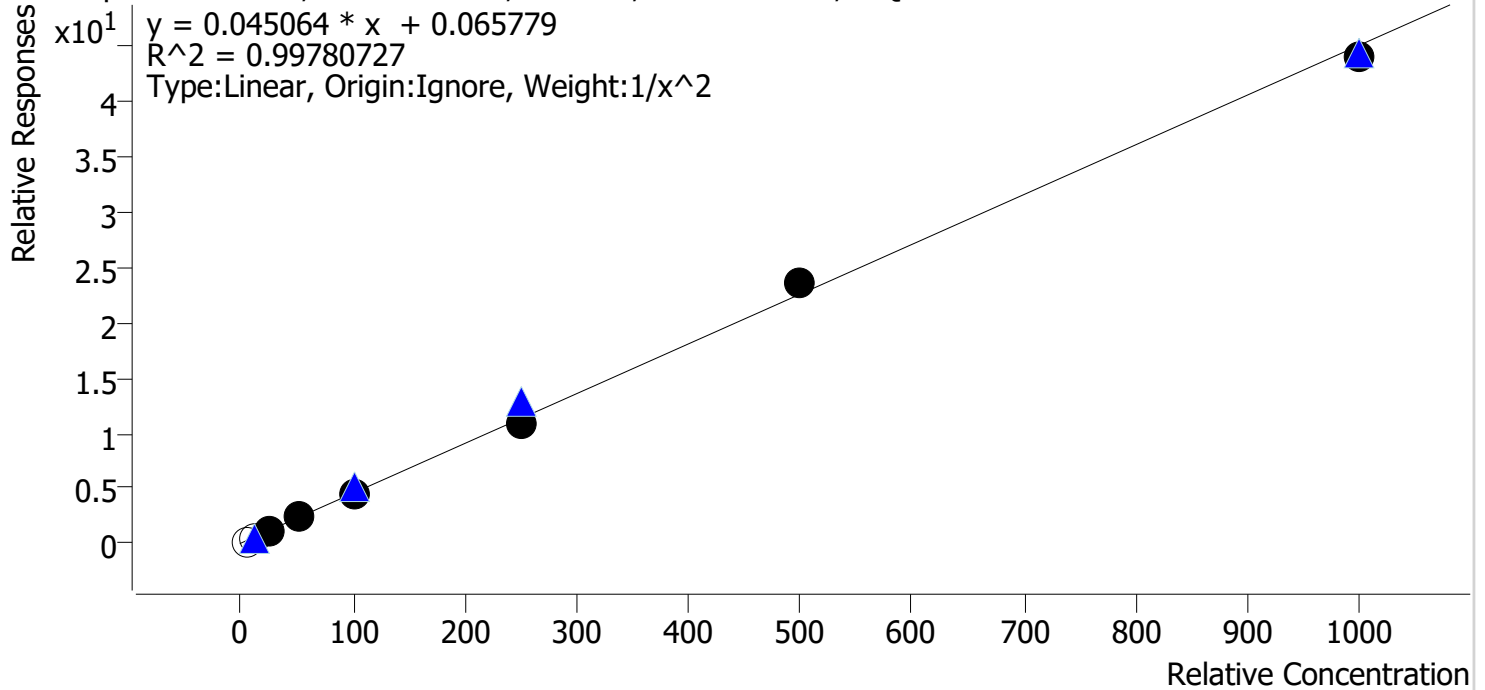
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.3	103.2
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	248.0	99.2
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	962.8	96.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



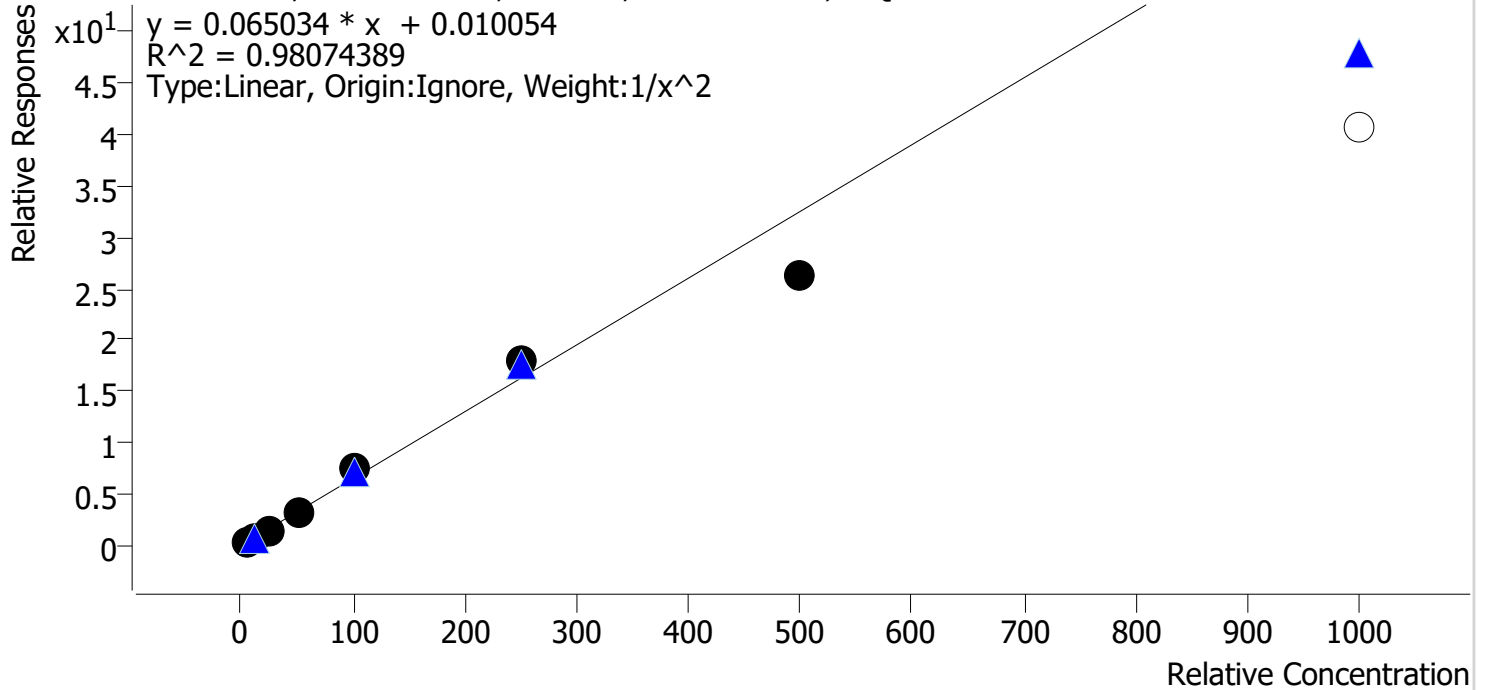
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	2.4	47.5
cal 2 mdq	2	x	10.0	8.5	84.9
cal 3 mdq	3	✓	25.0	24.5	98.0
cal 4 mdq	4	✓	50.0	52.2	104.3
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	237.6	95.1
cal 7 mdq	7	✓	500.0	521.4	104.3
cal 8 mdq	8	✓	1000.0	978.1	97.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	22.9	91.8
cal 4 mdq	4	✓	50.0	50.1	100.1
cal 5 mdq	5	✓	100.0	117.4	117.4
cal 6 mdq	6	✓	250.0	274.7	109.9
cal 7 mdq	7	✓	500.0	404.0	80.8
cal 8 mdq	8	✗	1000.0	626.5	62.7

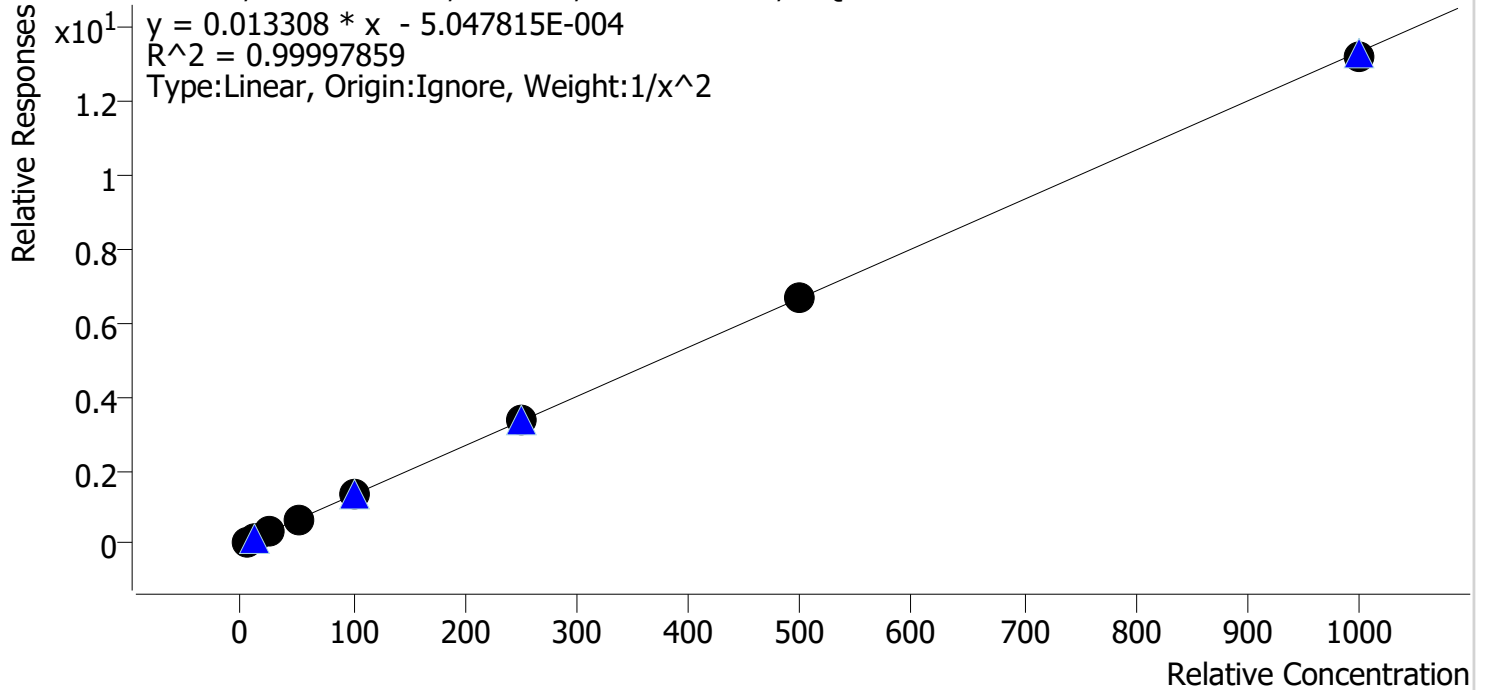
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Cocaine

Internal Standard Cocaine-d3

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



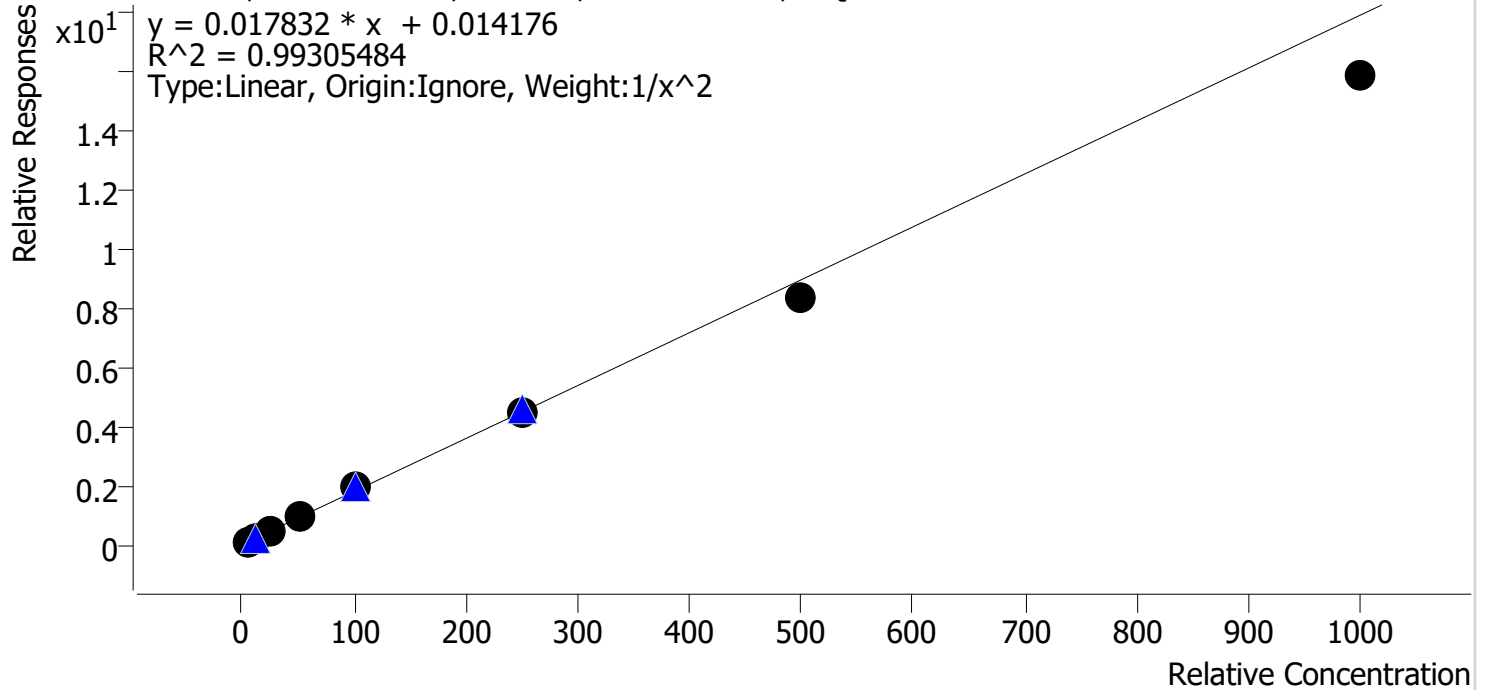
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	250.0	100.0
cal 7 mdq	7	✓	500.0	502.5	100.5
cal 8 mdq	8	✓	1000.0	993.6	99.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



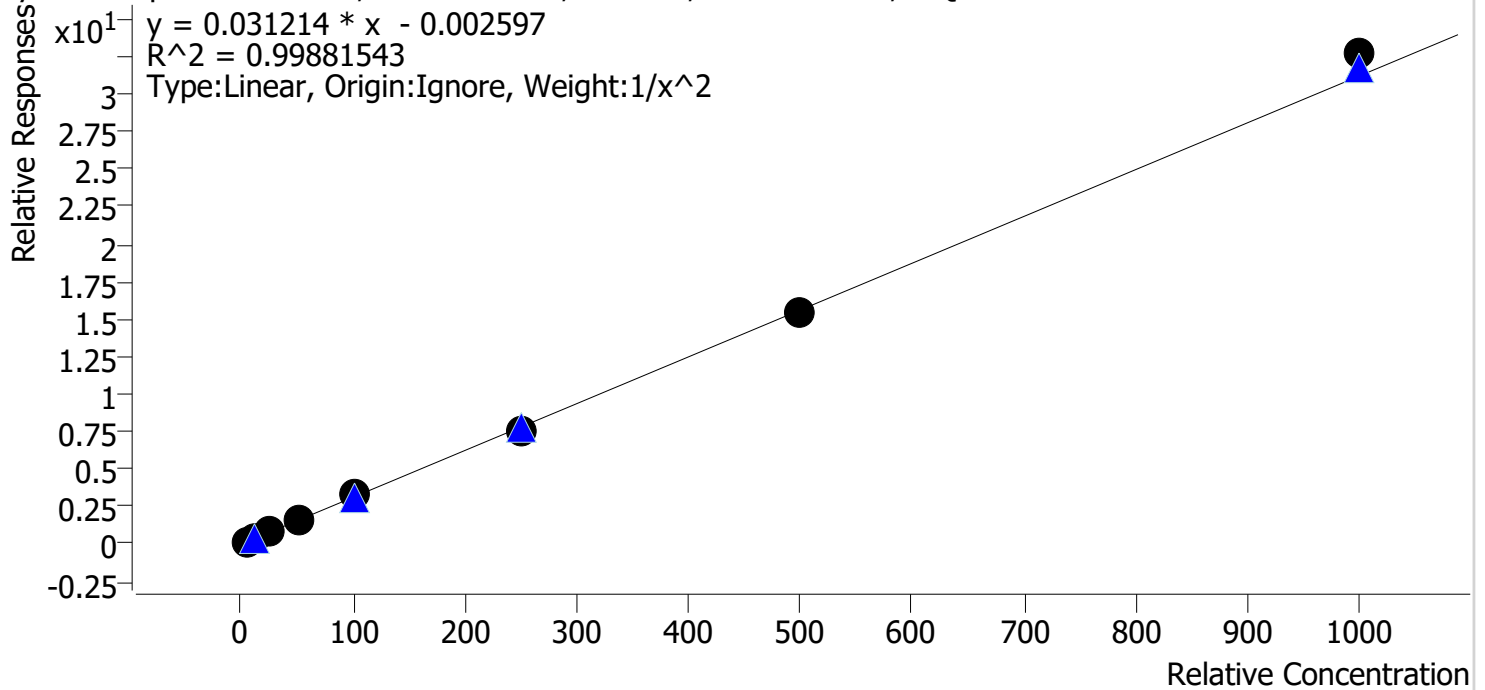
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	28.0	112.1
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	468.5	93.7
cal 8 mdq	8	✓	1000.0	885.9	88.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



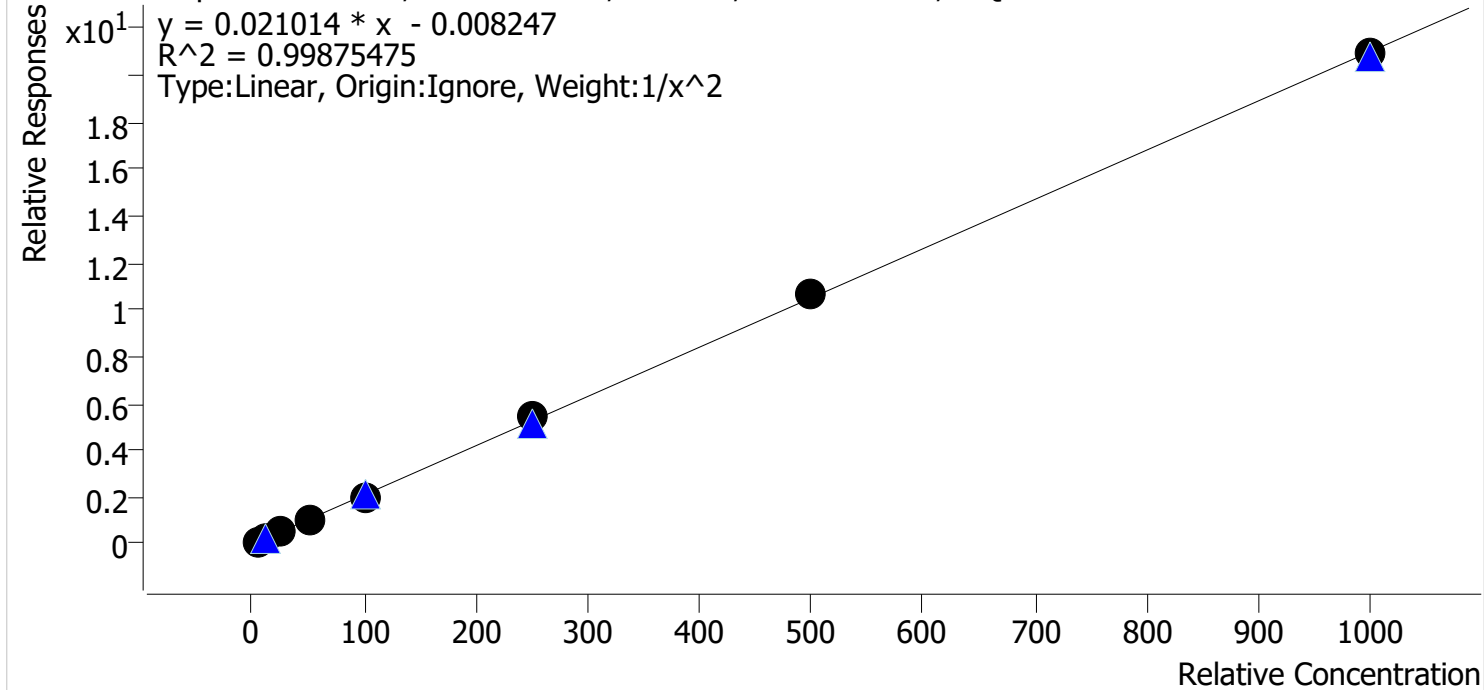
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	240.1	96.0
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	1048.0	104.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



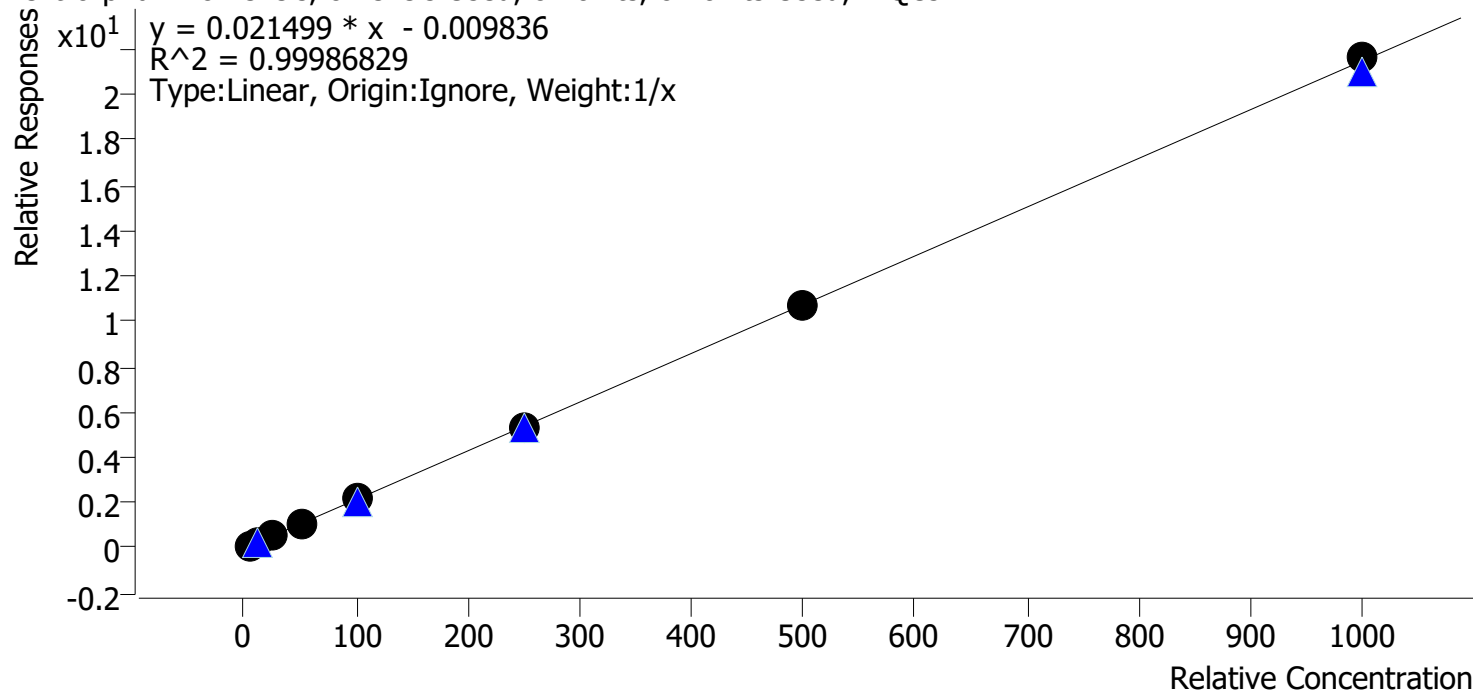
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.6	96.1
cal 3 mdq	3	✓	25.0	25.9	103.4
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	259.4	103.7
cal 7 mdq	7	✓	500.0	505.2	101.0
cal 8 mdq	8	✓	1000.0	996.1	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



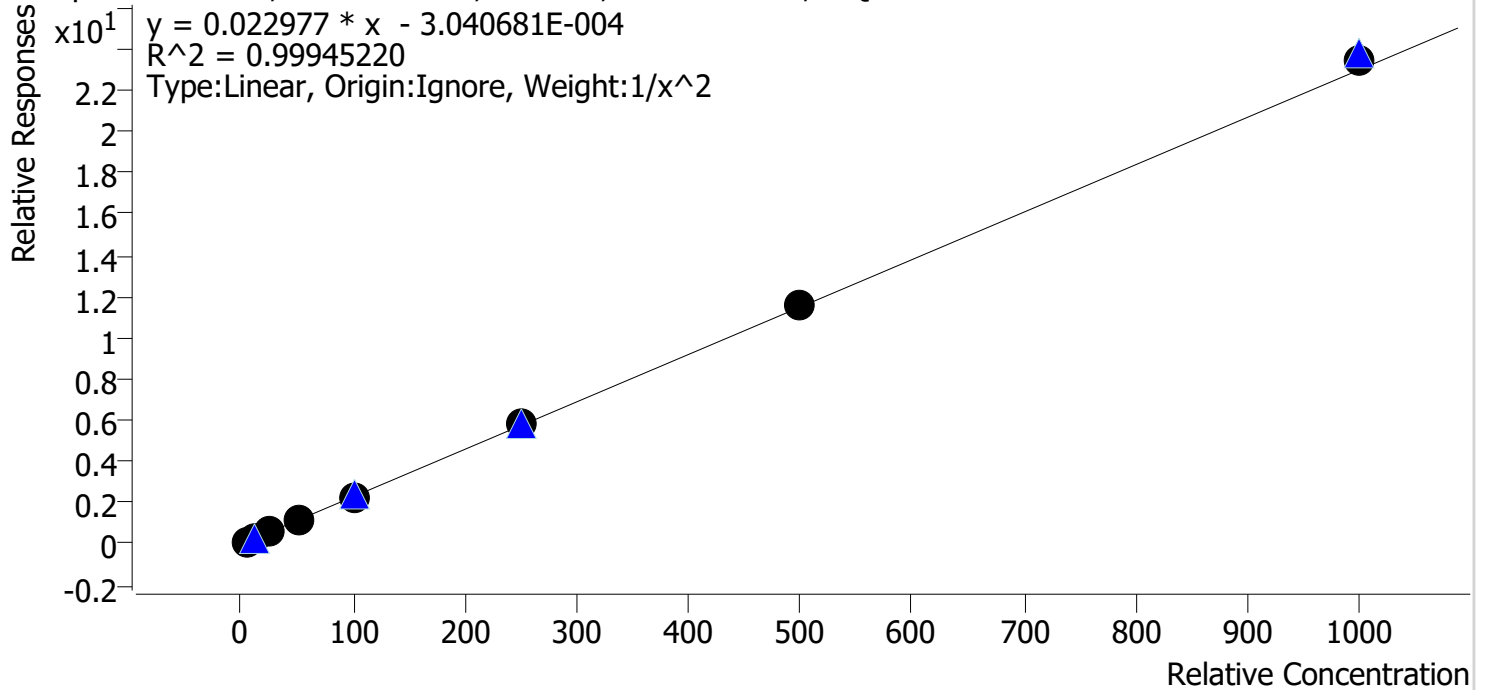
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.8
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	48.1	96.3
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	1007.0	100.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\10\27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



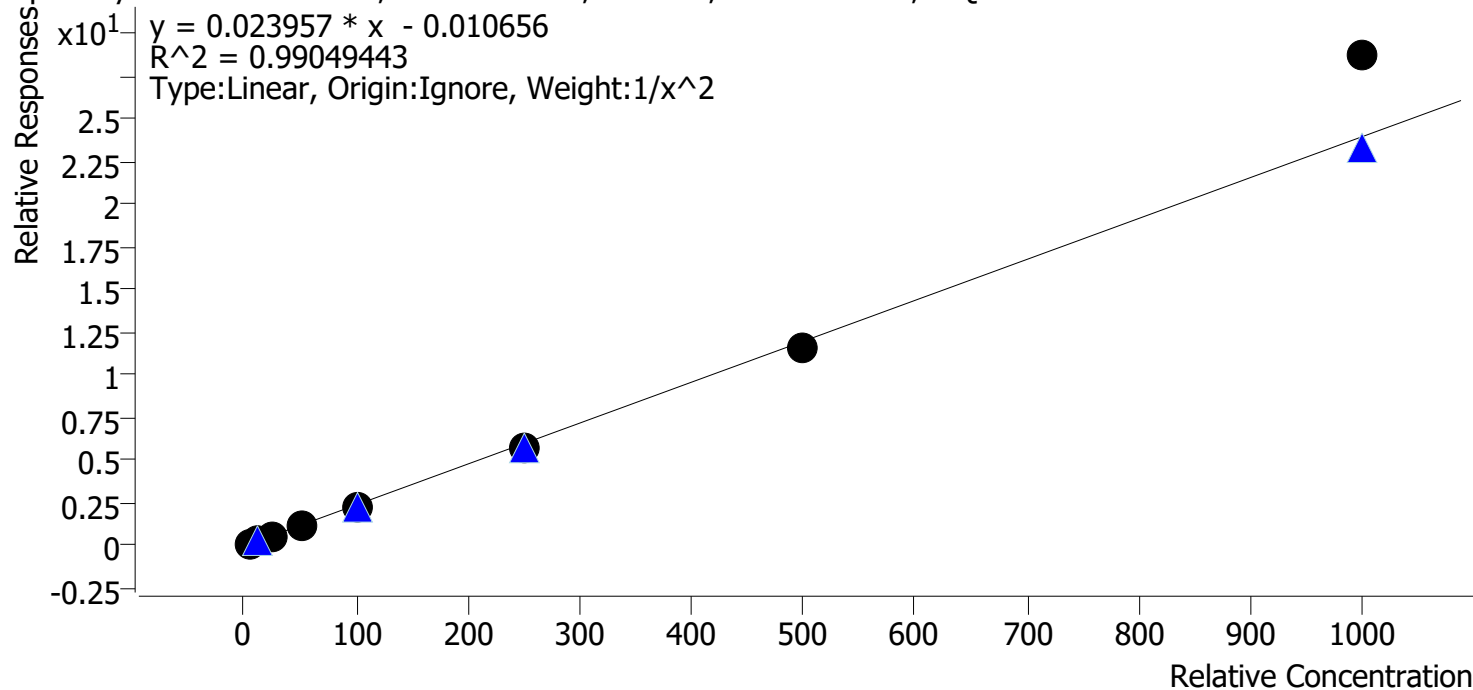
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	505.5	101.1
cal 8 mdq	8	✓	1000.0	1022.9	102.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



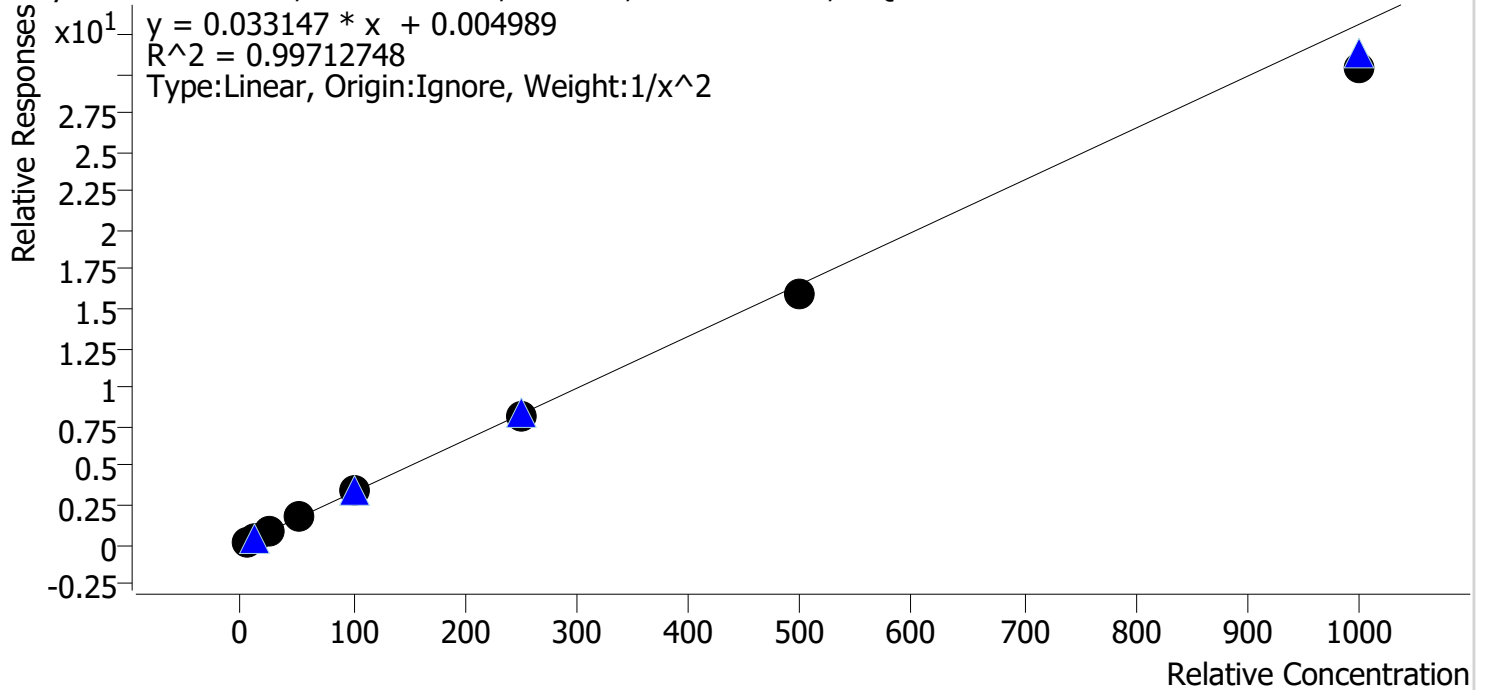
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.8
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	48.1	96.1
cal 5 mdq	5	✓	100.0	94.6	94.6
cal 6 mdq	6	✓	250.0	241.8	96.7
cal 7 mdq	7	✓	500.0	488.2	97.6
cal 8 mdq	8	✓	1000.0	1198.2	119.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



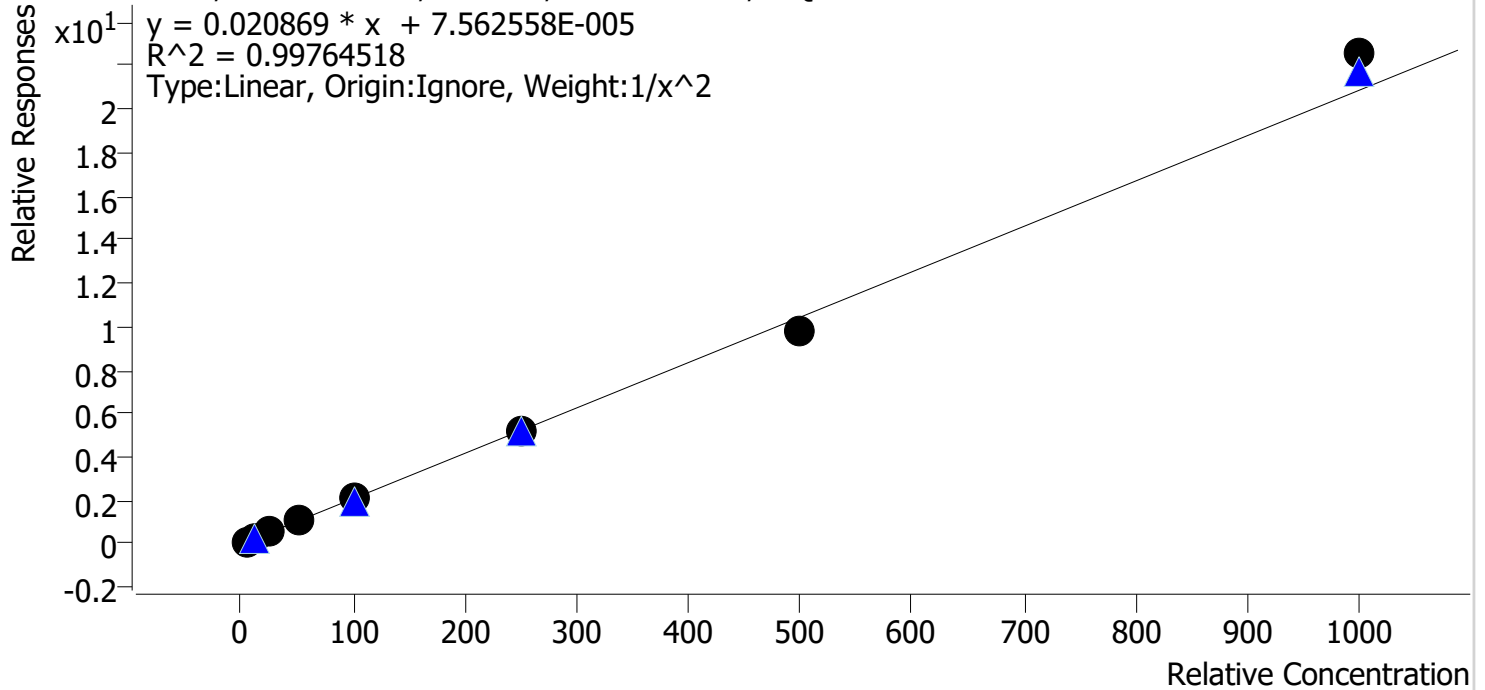
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	102.3
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	484.6	96.9
cal 8 mdq	8	✓	1000.0	914.7	91.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



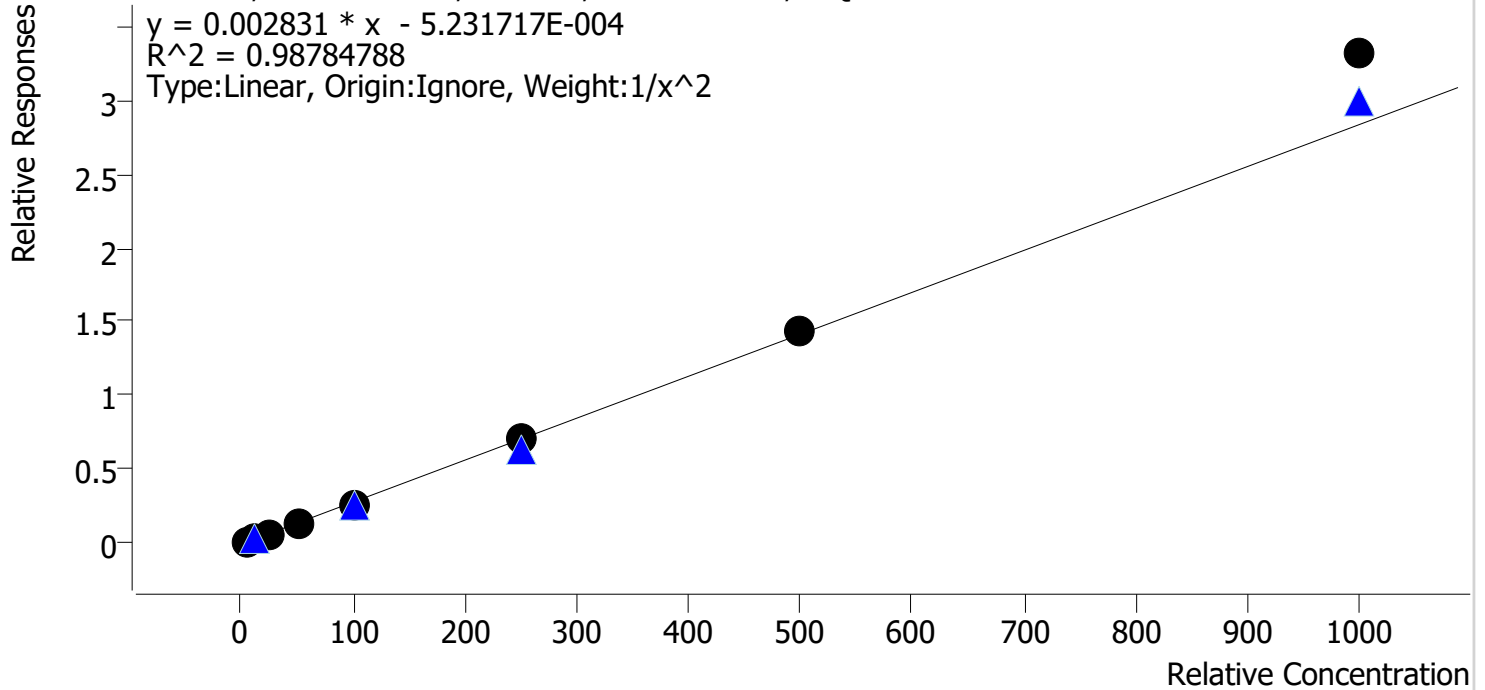
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	247.5	99.0
cal 7 mdq	7	✓	500.0	473.0	94.6
cal 8 mdq	8	✓	1000.0	1080.8	108.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Alprazolam-D5

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



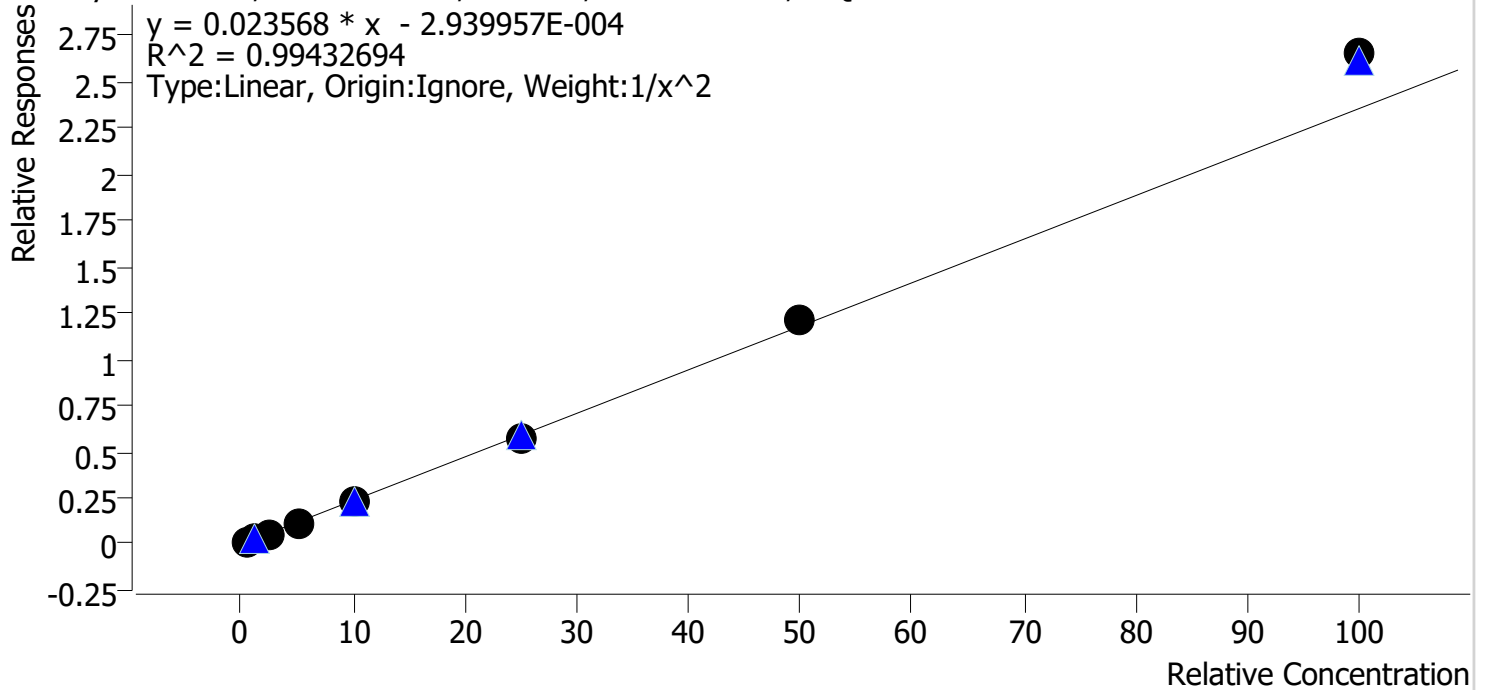
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.9
cal 2 mdq	2	✓	10.0	8.6	85.8
cal 3 mdq	3	✓	25.0	23.4	93.4
cal 4 mdq	4	✓	50.0	48.2	96.5
cal 5 mdq	5	✓	100.0	95.4	95.4
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	510.7	102.1
cal 8 mdq	8	✓	1000.0	1169.4	116.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



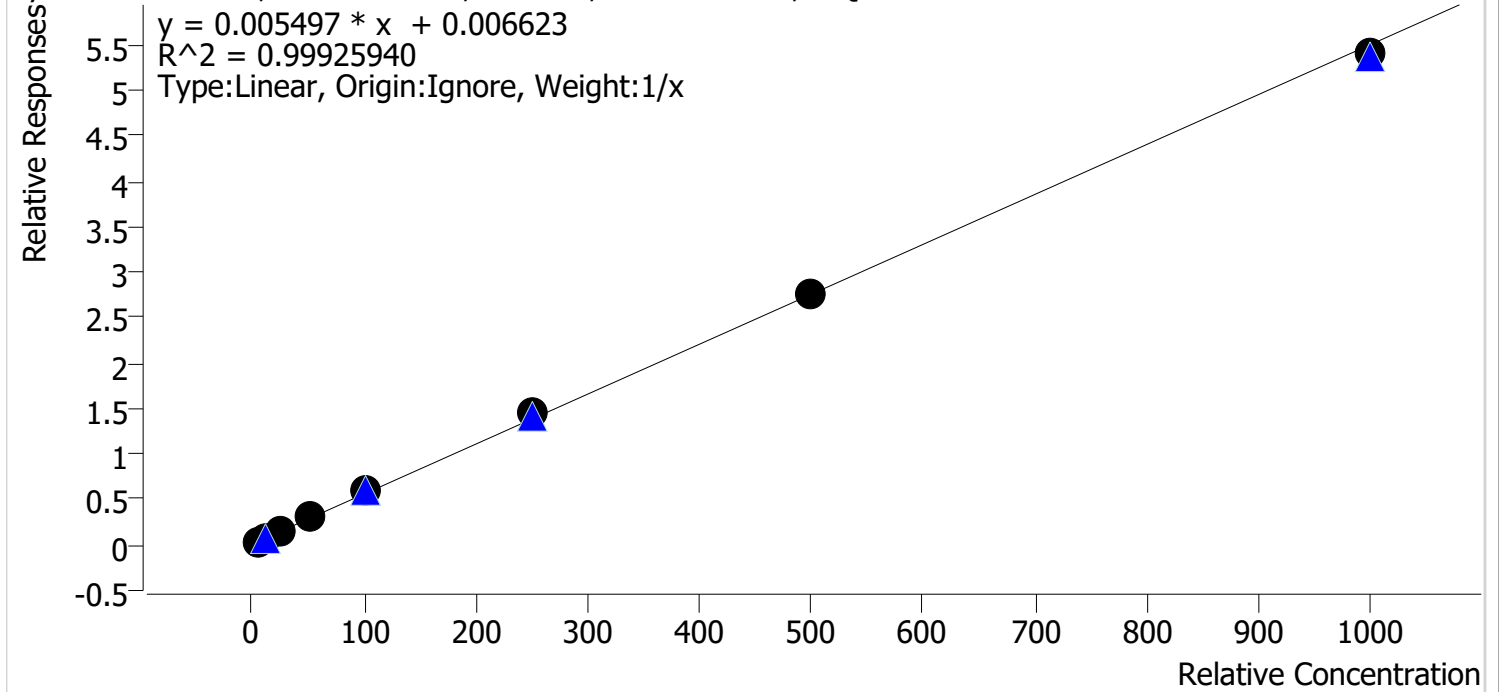
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.0
cal 2 mdq	2	✓	1.0	0.9	92.5
cal 3 mdq	3	✓	2.5	2.4	97.2
cal 4 mdq	4	✓	5.0	4.7	93.3
cal 5 mdq	5	✓	10.0	9.9	99.1
cal 6 mdq	6	✓	25.0	24.5	98.2
cal 7 mdq	7	✓	50.0	51.1	102.1
cal 8 mdq	8	✓	100.0	112.6	112.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylazine - D6

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



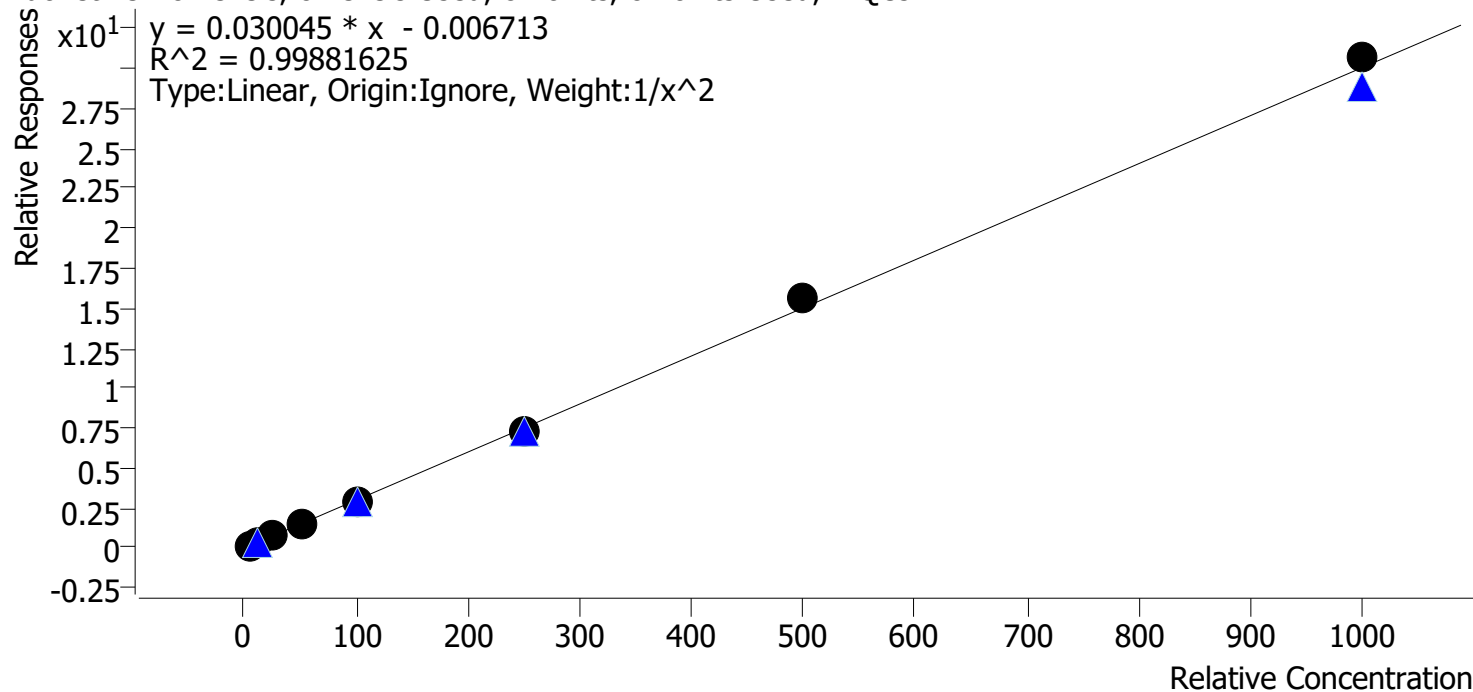
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.6
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	262.1	104.8
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	982.2	98.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\10\27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



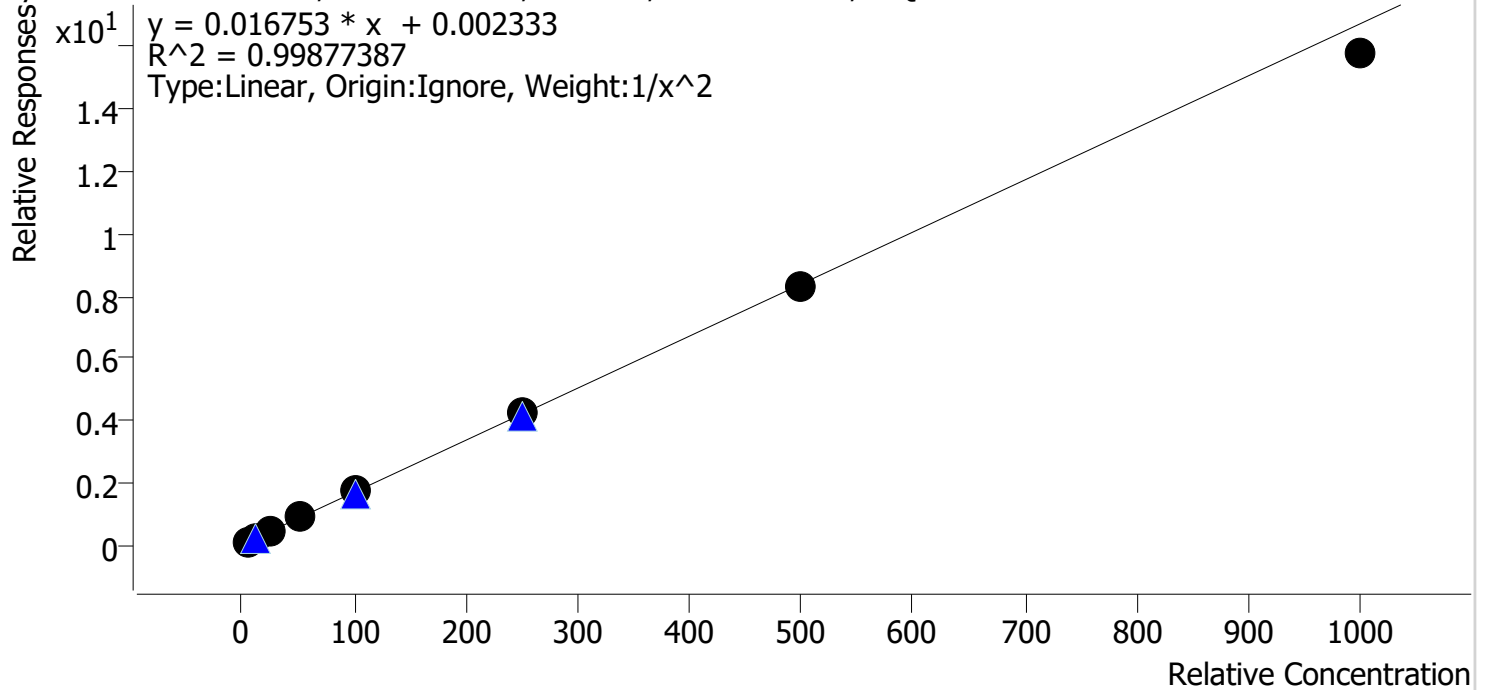
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.5	94.9
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	244.6	97.8
cal 7 mdq	7	✓	500.0	517.8	103.6
cal 8 mdq	8	✓	1000.0	1020.8	102.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



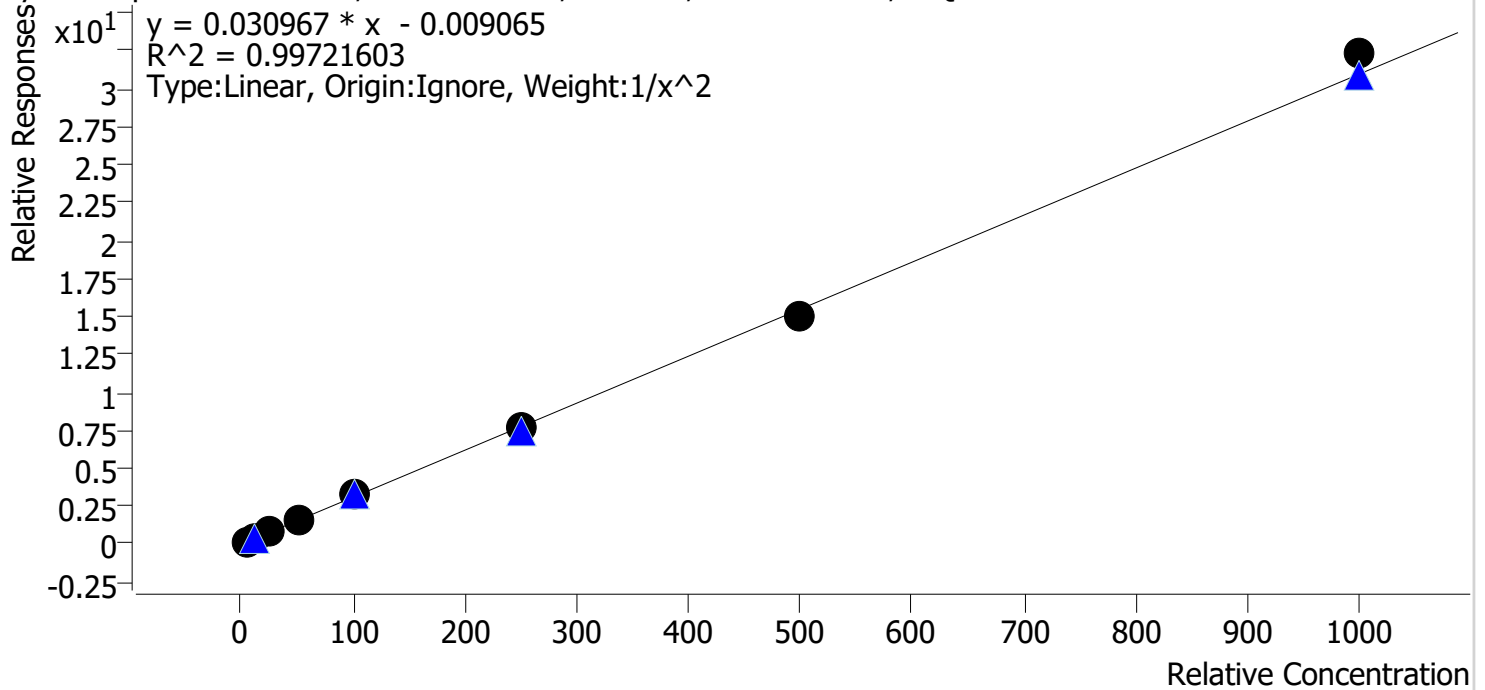
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	493.7	98.7
cal 8 mdq	8	✓	1000.0	942.7	94.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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

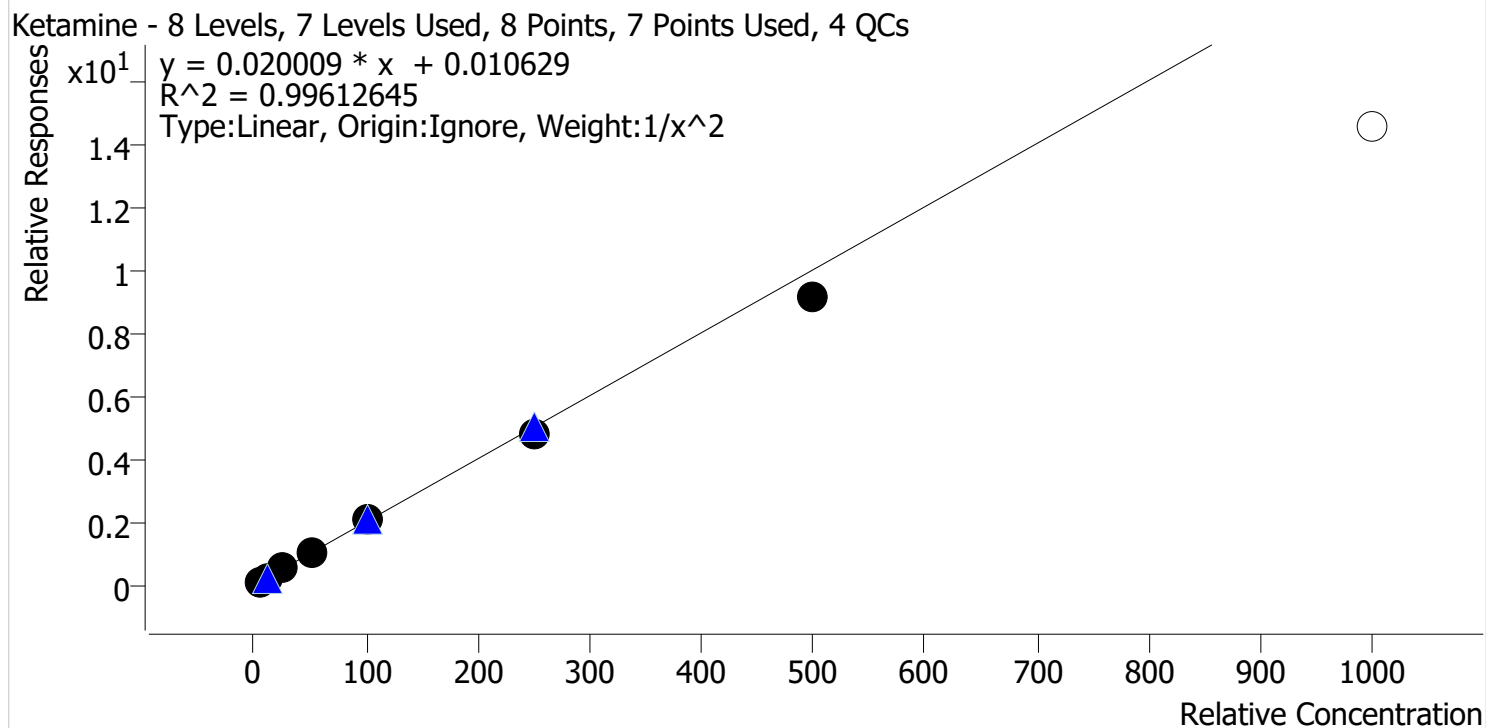


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.1
cal 2 mdq	2	✓	10.0	9.2	92.1
cal 3 mdq	3	✓	25.0	24.5	97.8
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdq	5	✓	100.0	105.9	105.9
cal 6 mdq	6	✓	250.0	246.3	98.5
cal 7 mdq	7	✓	500.0	486.8	97.4
cal 8 mdq	8	✓	1000.0	1043.7	104.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



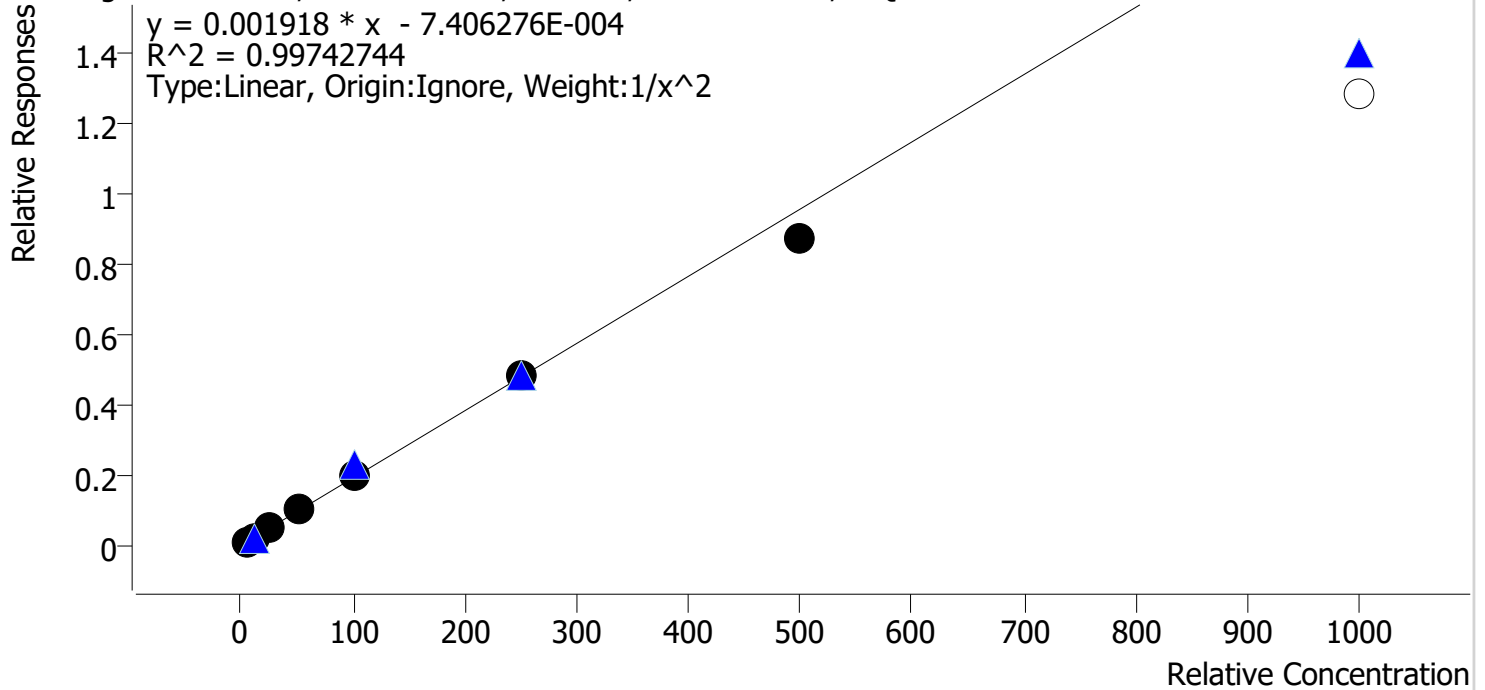
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	241.6	96.6
cal 7 mdq	7	✓	500.0	454.2	90.8
cal 8 mdq	8	✗	1000.0	728.5	72.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\lam 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** MDA-D5

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



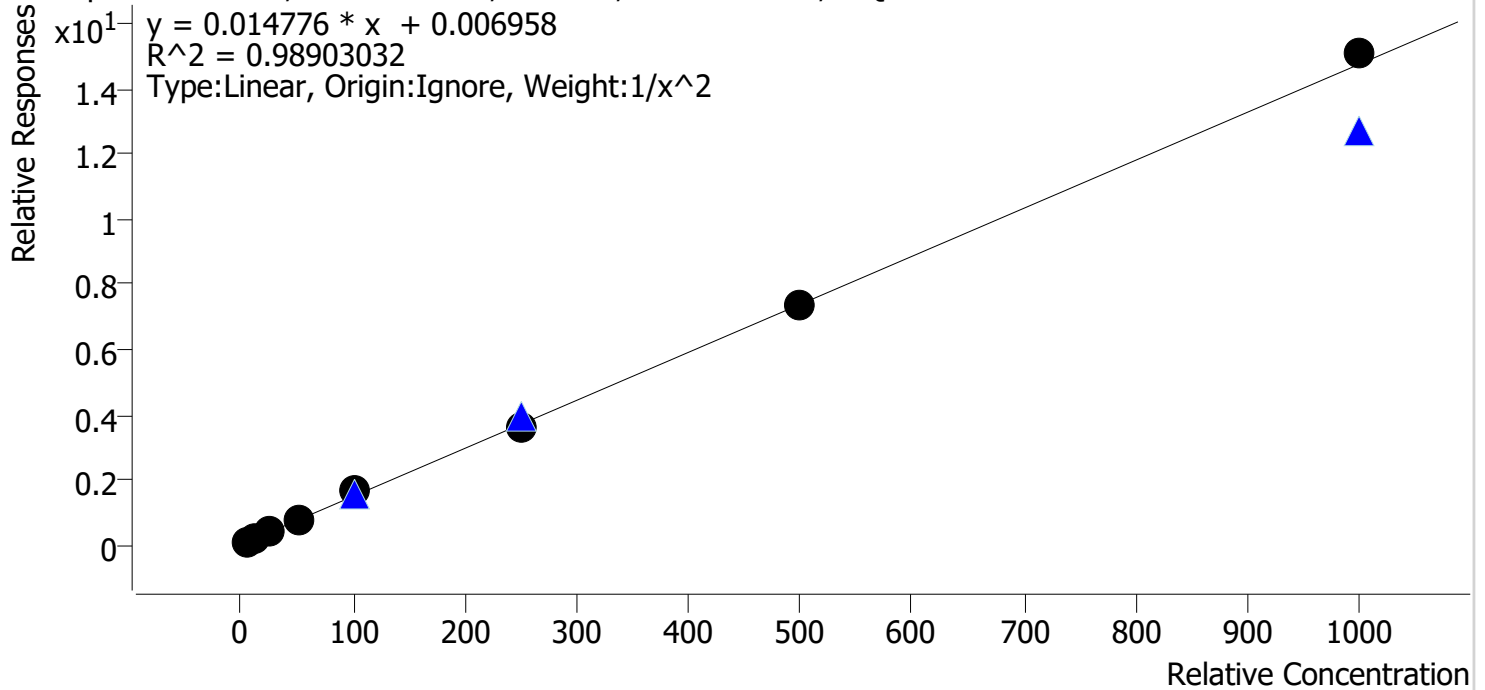
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	250.4	100.2
cal 7 mdq	7	✓	500.0	456.5	91.3
cal 8 mdq	8	x	1000.0	672.2	67.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



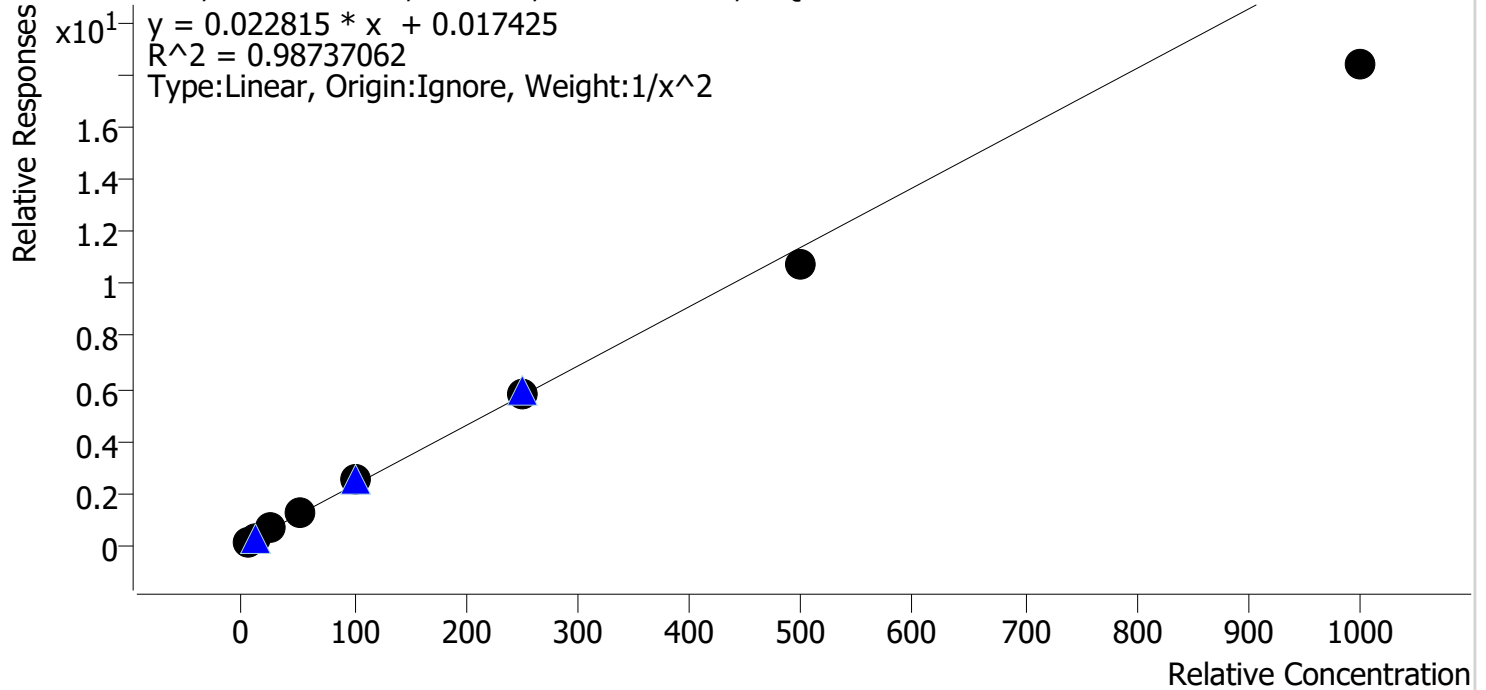
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.9
cal 2 mdq	2	✓	10.0	8.3	82.7
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	48.5	96.9
cal 5 mdq	5	✓	100.0	113.4	113.4
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	500.3	100.1
cal 8 mdq	8	✓	1000.0	1022.2	102.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



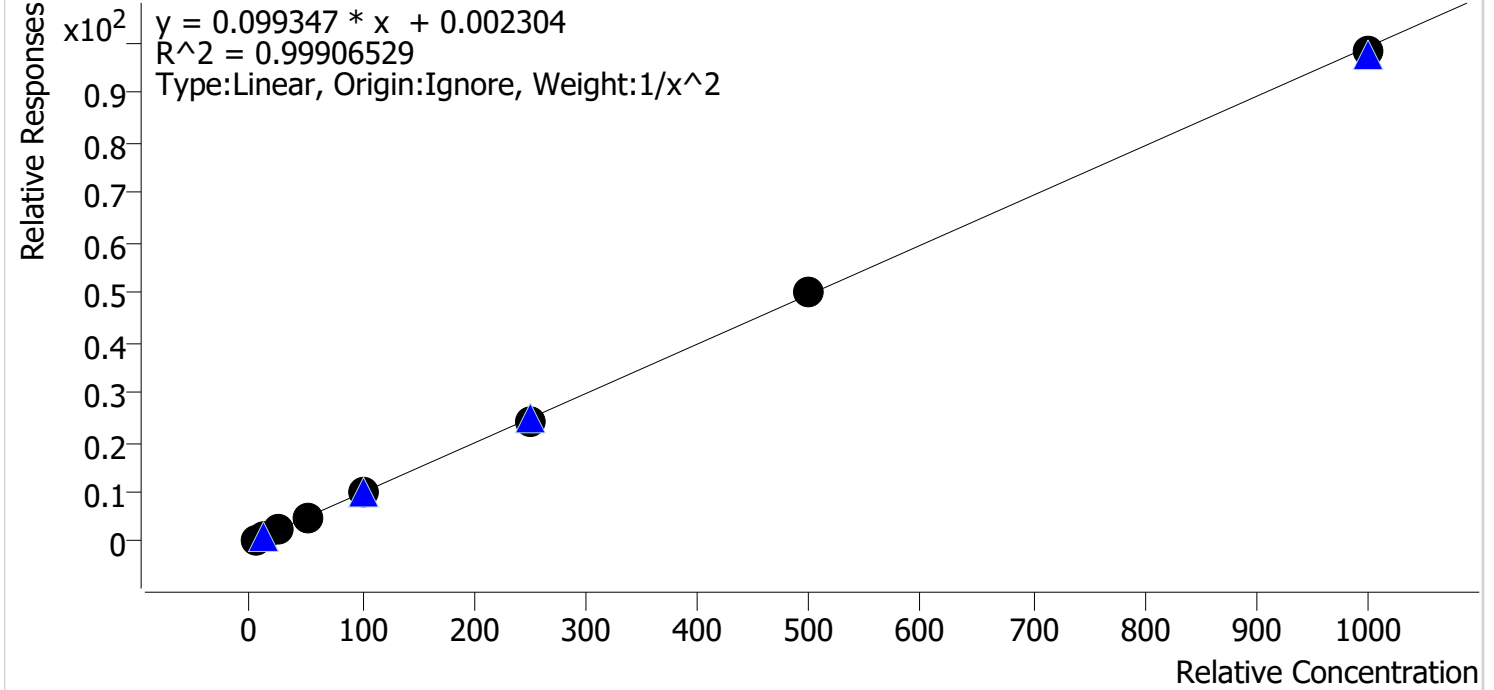
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.4	103.6
cal 3 mdq	3	✓	25.0	27.2	108.7
cal 4 mdq	4	✓	50.0	54.9	109.7
cal 5 mdq	5	✓	100.0	107.8	107.8
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	471.6	94.3
cal 8 mdq	8	✓	1000.0	806.0	80.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	4.9	98.9
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	26.4	105.5
cal 4 mdq	4	✓	50.0	48.4	96.7
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	245.5	98.2
cal 7 mdq	7	✓	500.0	507.7	101.5
cal 8 mdq	8	✓	1000.0	990.5	99.0

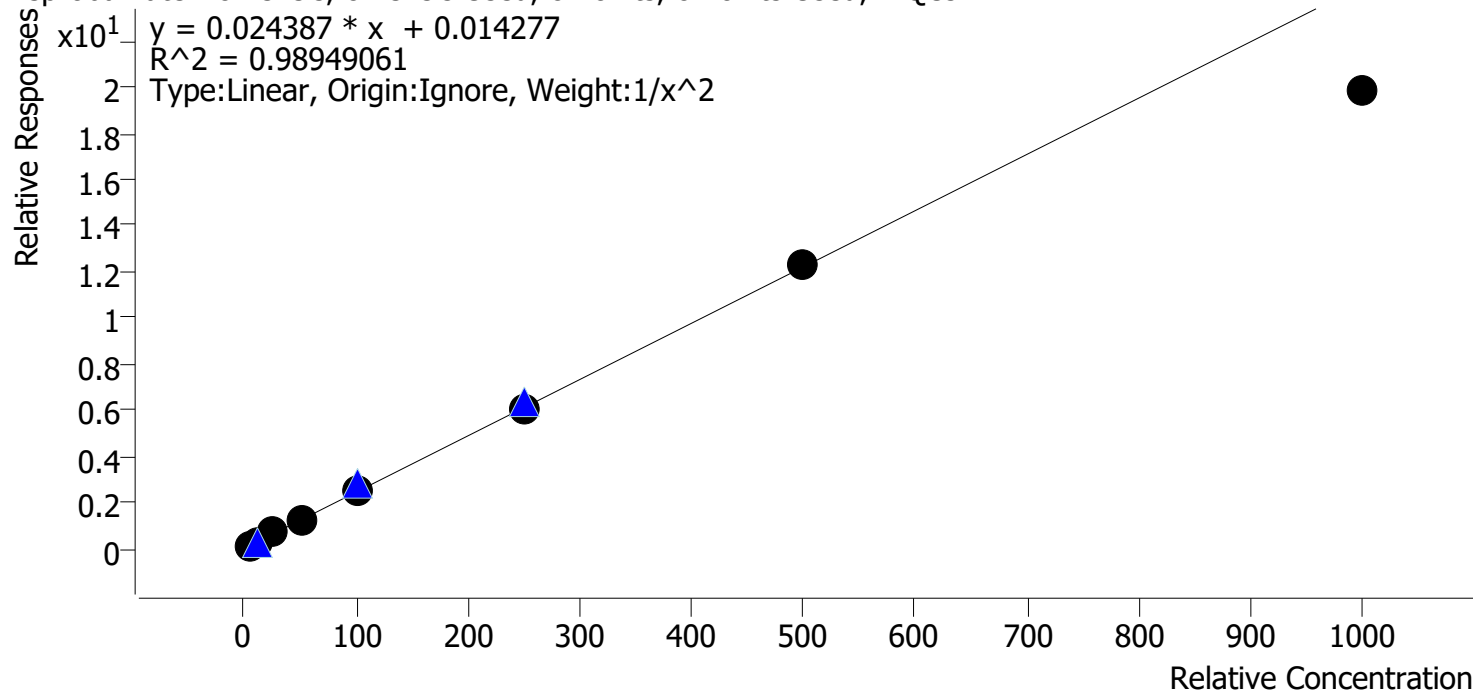
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Meprobamate

Internal Standard Meprobamate-D7

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



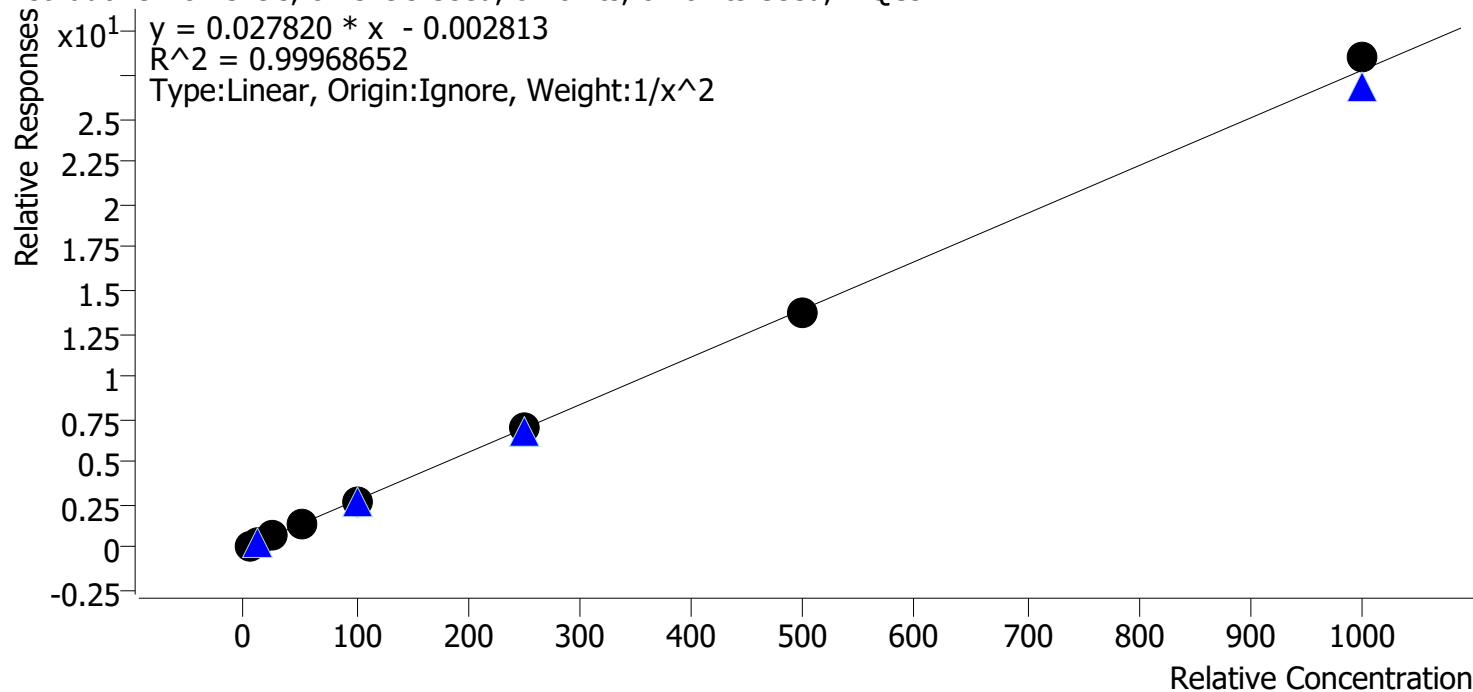
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.9
cal 2 mdq	2	✓	10.0	10.8	108.1
cal 3 mdq	3	✓	25.0	26.9	107.5
cal 4 mdq	4	✓	50.0	51.8	103.7
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	249.1	99.6
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	811.6	81.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



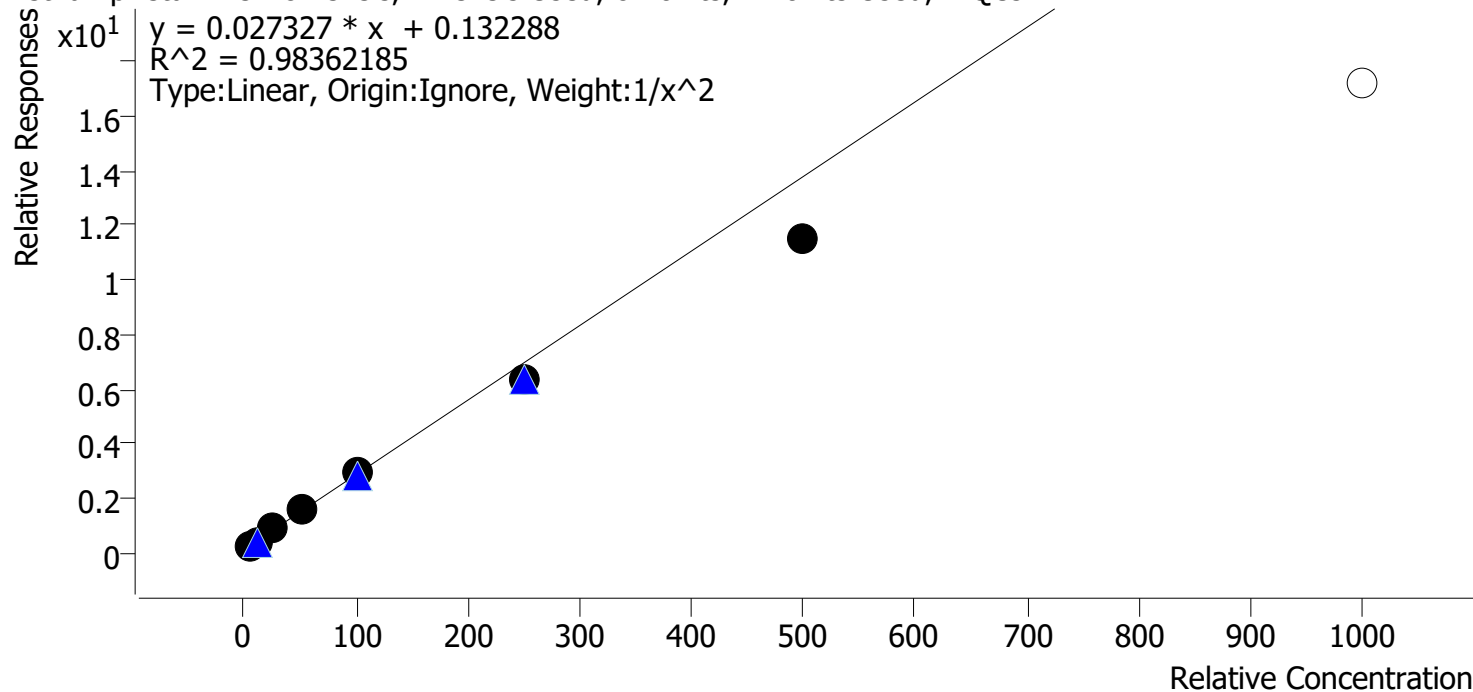
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	49.2	98.5
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	491.9	98.4
cal 8 mdq	8	✓	1000.0	1026.5	102.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

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



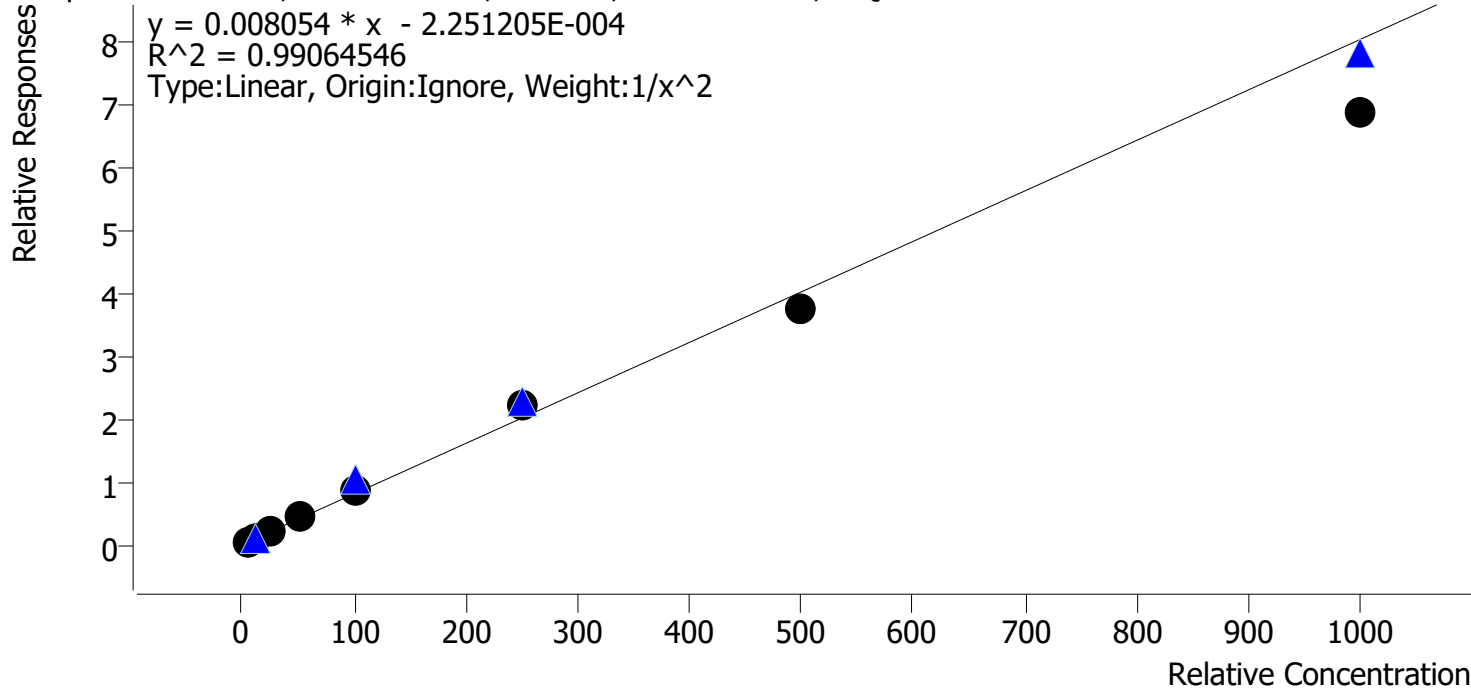
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.6
cal 2 mdq	2	✓	10.0	11.2	111.5
cal 3 mdq	3	✓	25.0	27.6	110.4
cal 4 mdq	4	✓	50.0	53.4	106.7
cal 5 mdq	5	✓	100.0	104.4	104.4
cal 6 mdq	6	✓	250.0	229.9	92.0
cal 7 mdq	7	✓	500.0	417.2	83.4
cal 8 mdq	8	✗	1000.0	623.7	62.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	5.1	102.0
cal 2 mdq	2	✓	10.0	9.3	93.3
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	52.4	104.9
cal 5 mdq	5	✓	100.0	109.7	109.7
cal 6 mdq	6	✓	250.0	272.8	109.1
cal 7 mdq	7	✓	500.0	469.9	94.0
cal 8 mdq	8	✓	1000.0	855.2	85.5

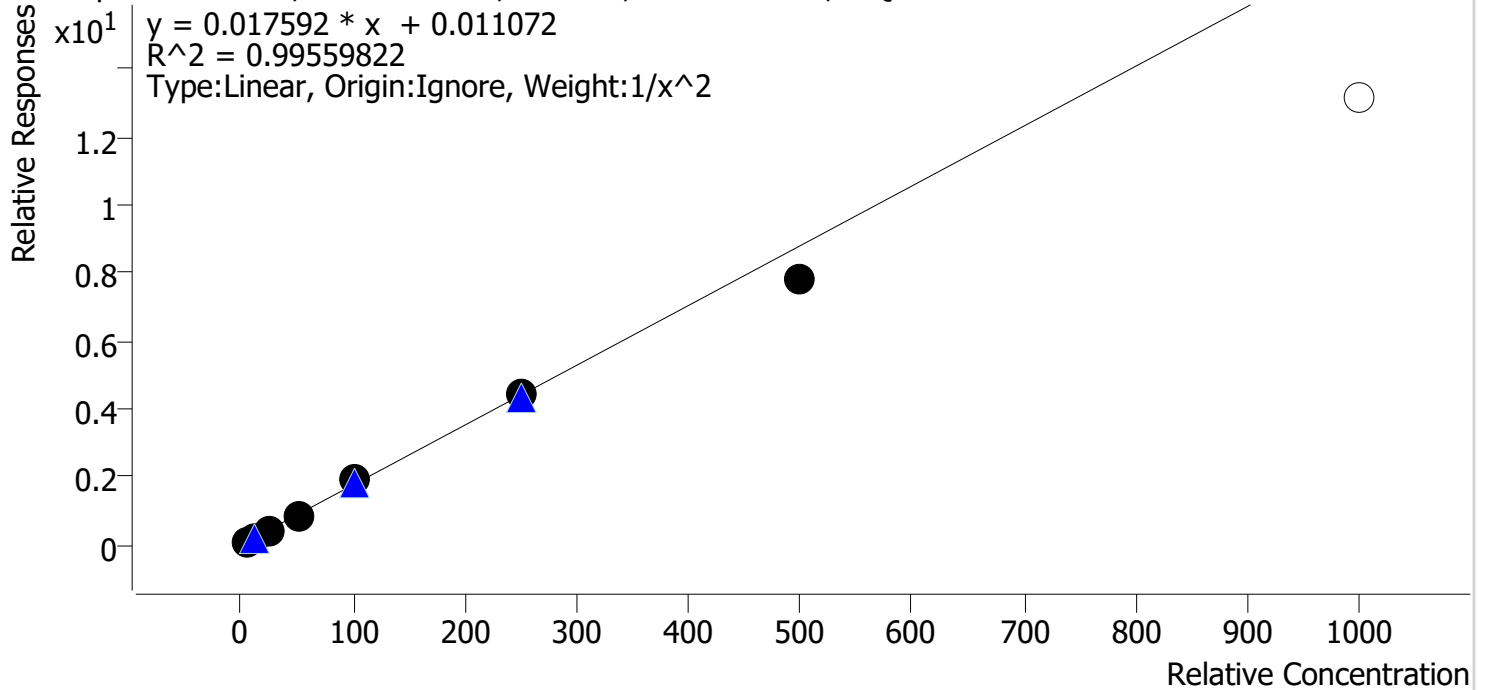
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Mirtazapine

Internal Standard Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.3	102.9
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	107.3	107.3
cal 6 mdq	6	✓	250.0	254.7	101.9
cal 7 mdq	7	✓	500.0	446.5	89.3
cal 8 mdq	8	✗	1000.0	750.7	75.1

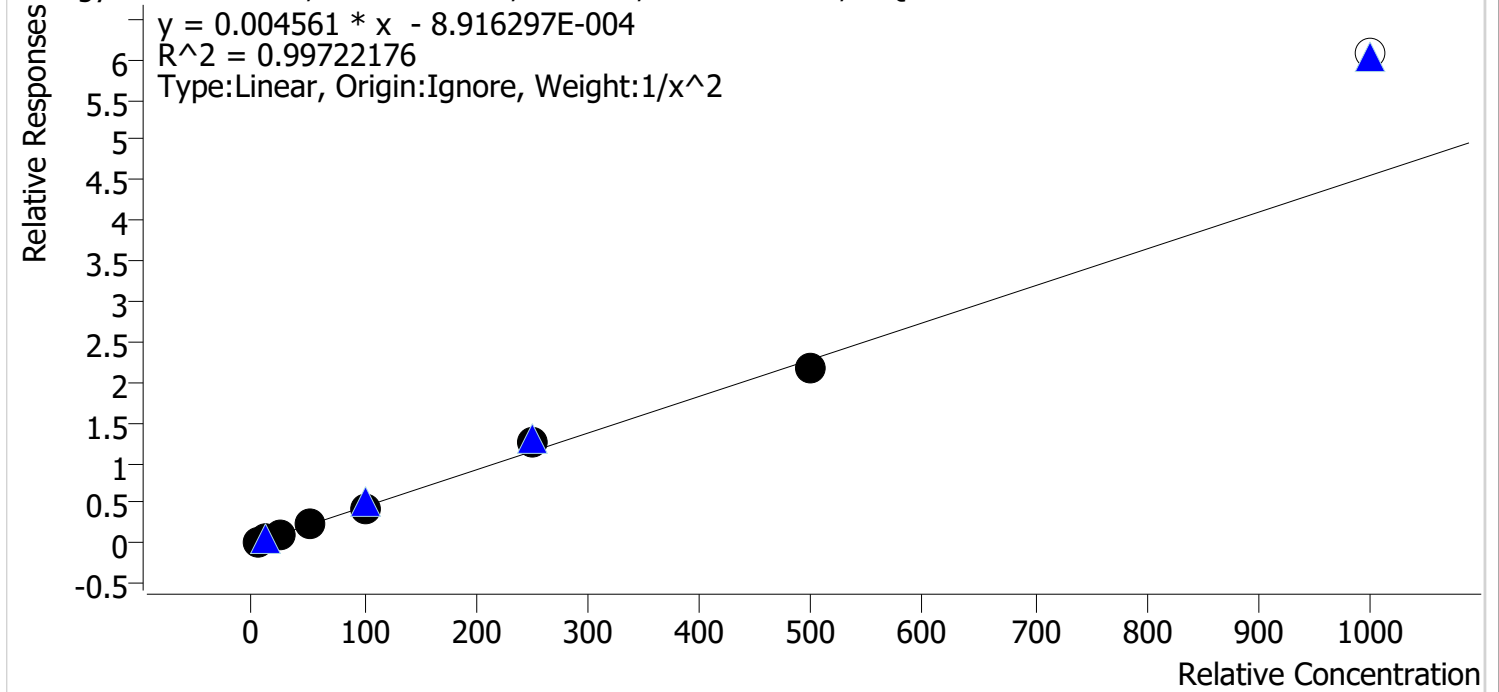
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Mitragynine

Internal Standard Pseudoephedrine-D3

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



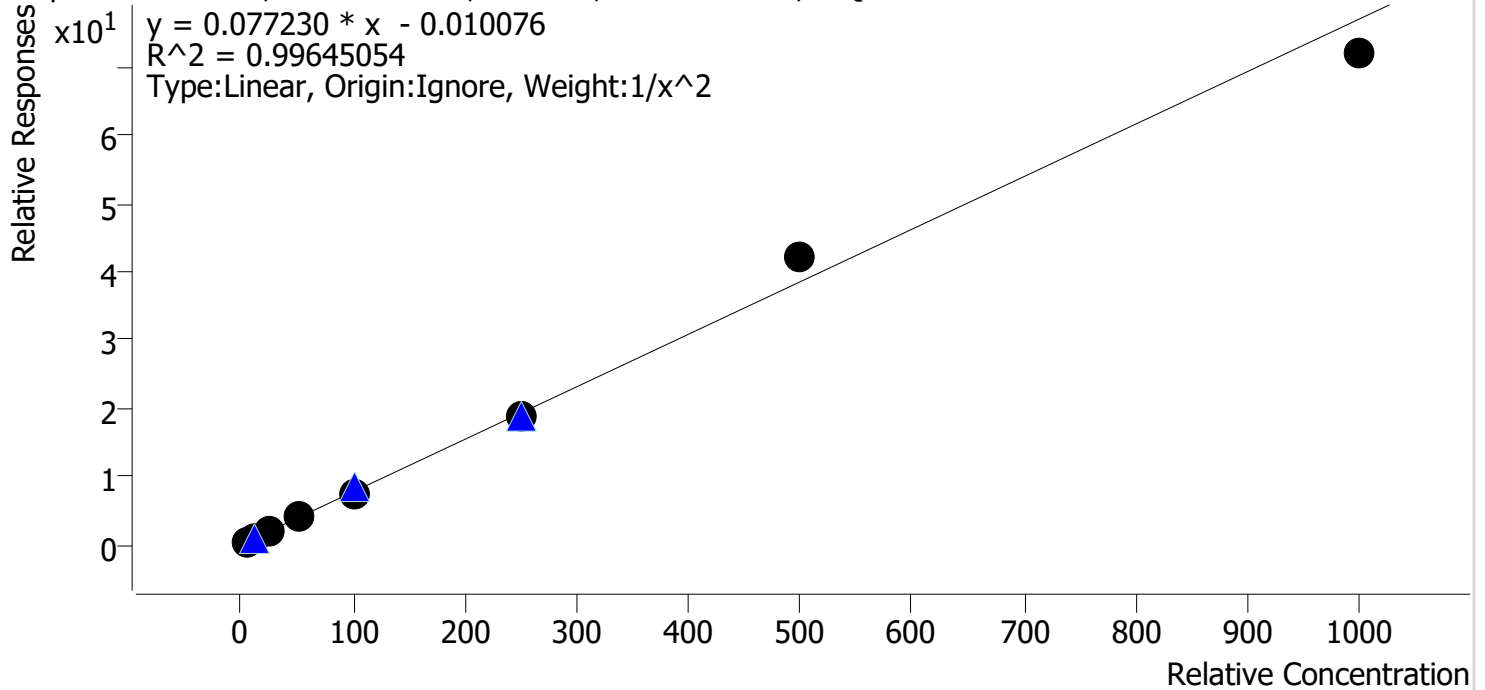
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	272.5	109.0
cal 7 mdq	7	✓	500.0	476.8	95.4
cal 8 mdq	8	✗	1000.0	1330.9	133.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



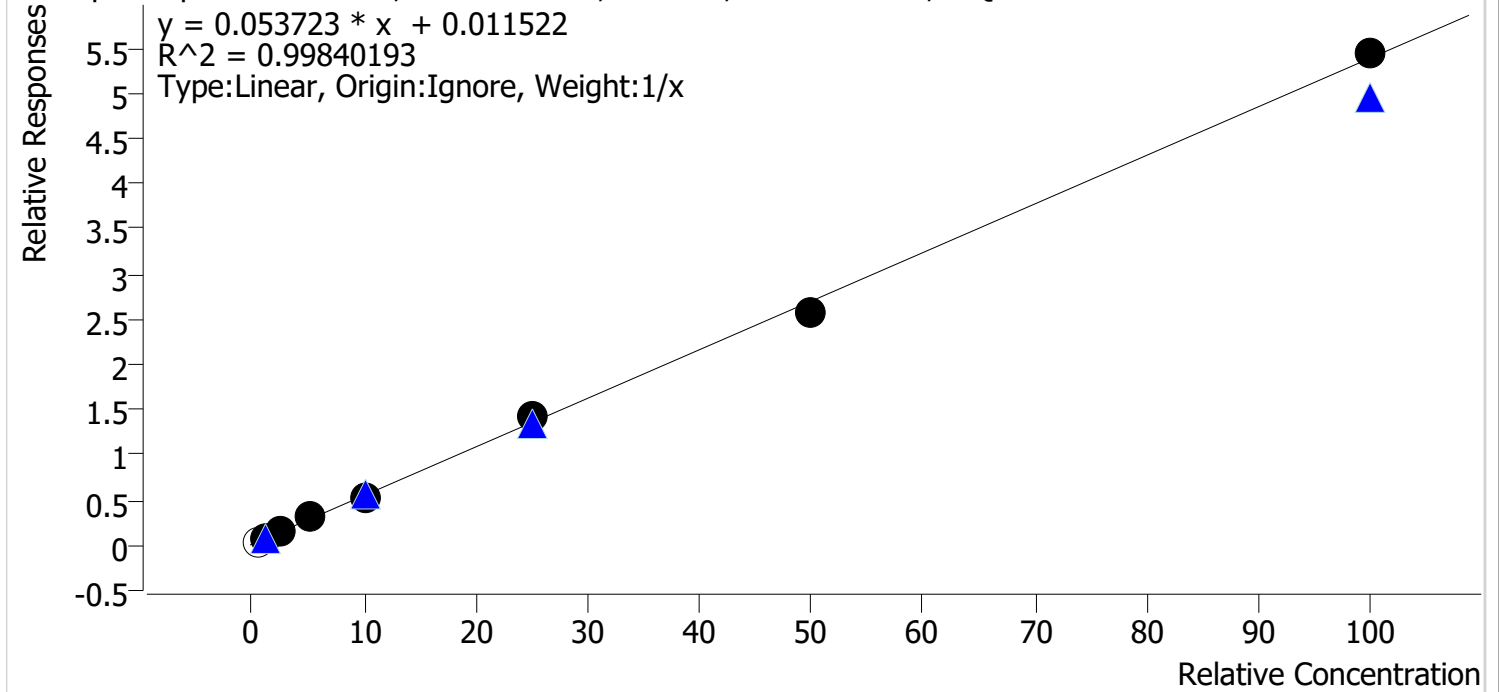
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	244.4	97.8
cal 7 mdq	7	✓	500.0	549.6	109.9
cal 8 mdq	8	✓	1000.0	934.3	93.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



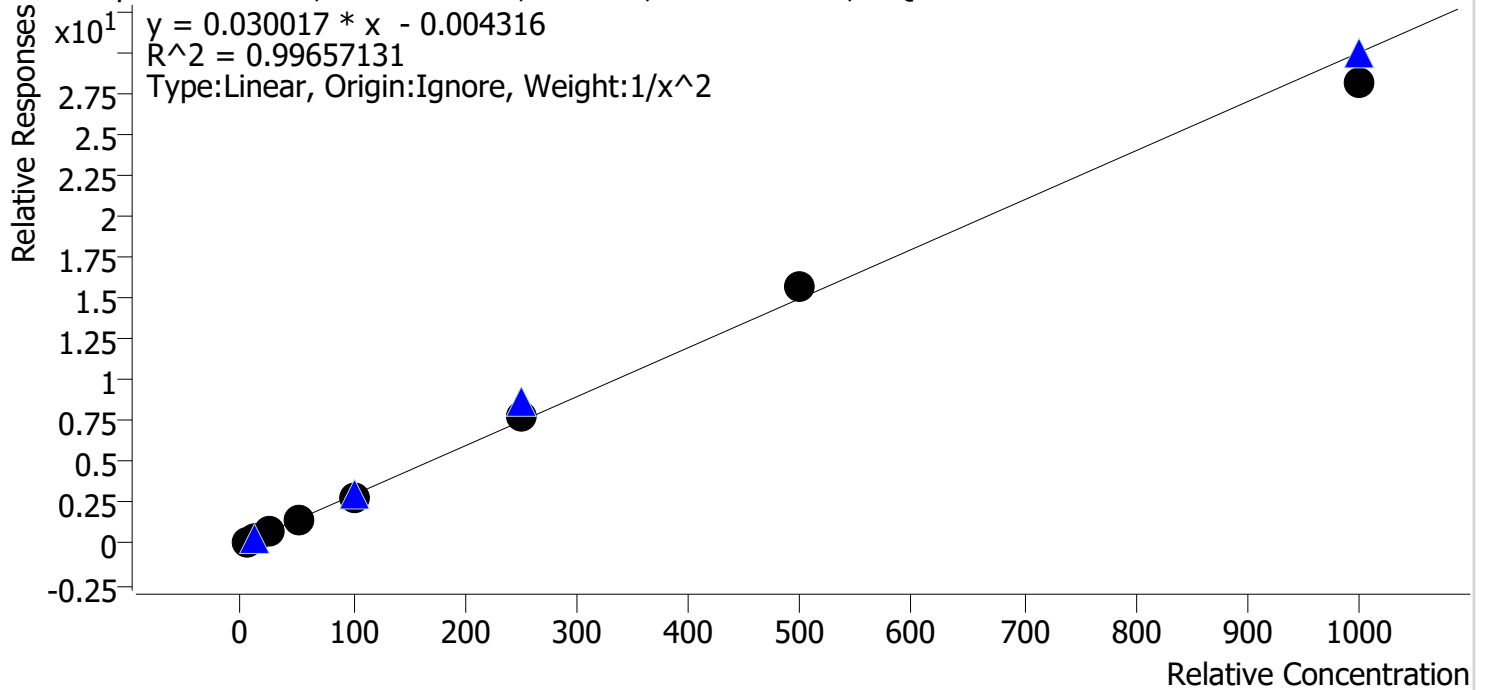
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.5	95.1
cal 2 mdq	2	✓	1.0	0.8	83.3
cal 3 mdq	3	✓	2.5	2.7	107.2
cal 4 mdq	4	✓	5.0	5.5	110.9
cal 5 mdq	5	✓	10.0	9.8	98.2
cal 6 mdq	6	✓	25.0	26.0	104.1
cal 7 mdq	7	✓	50.0	47.6	95.3
cal 8 mdq	8	✓	100.0	100.9	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



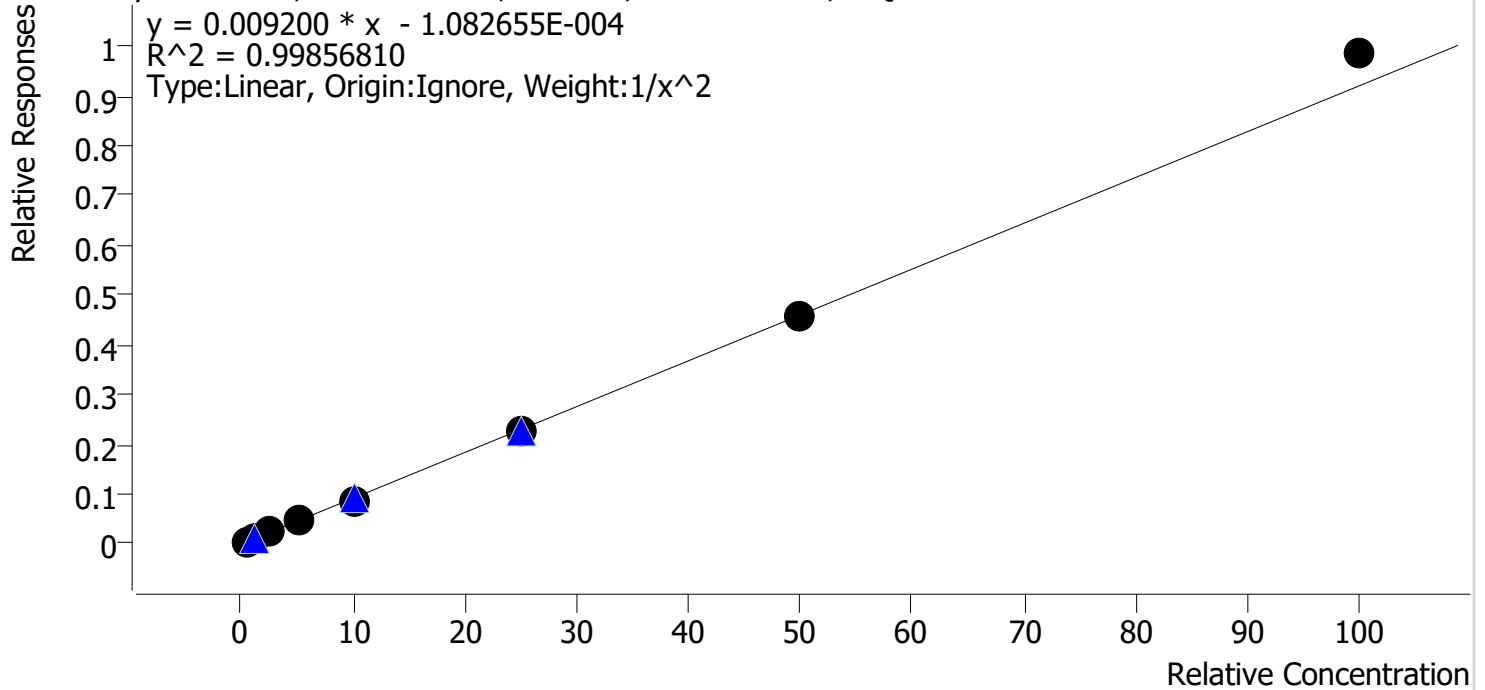
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.3	92.8
cal 3 mdq	3	✓	25.0	26.7	106.8
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	257.8	103.1
cal 7 mdq	7	✓	500.0	522.4	104.5
cal 8 mdq	8	✓	1000.0	939.7	94.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



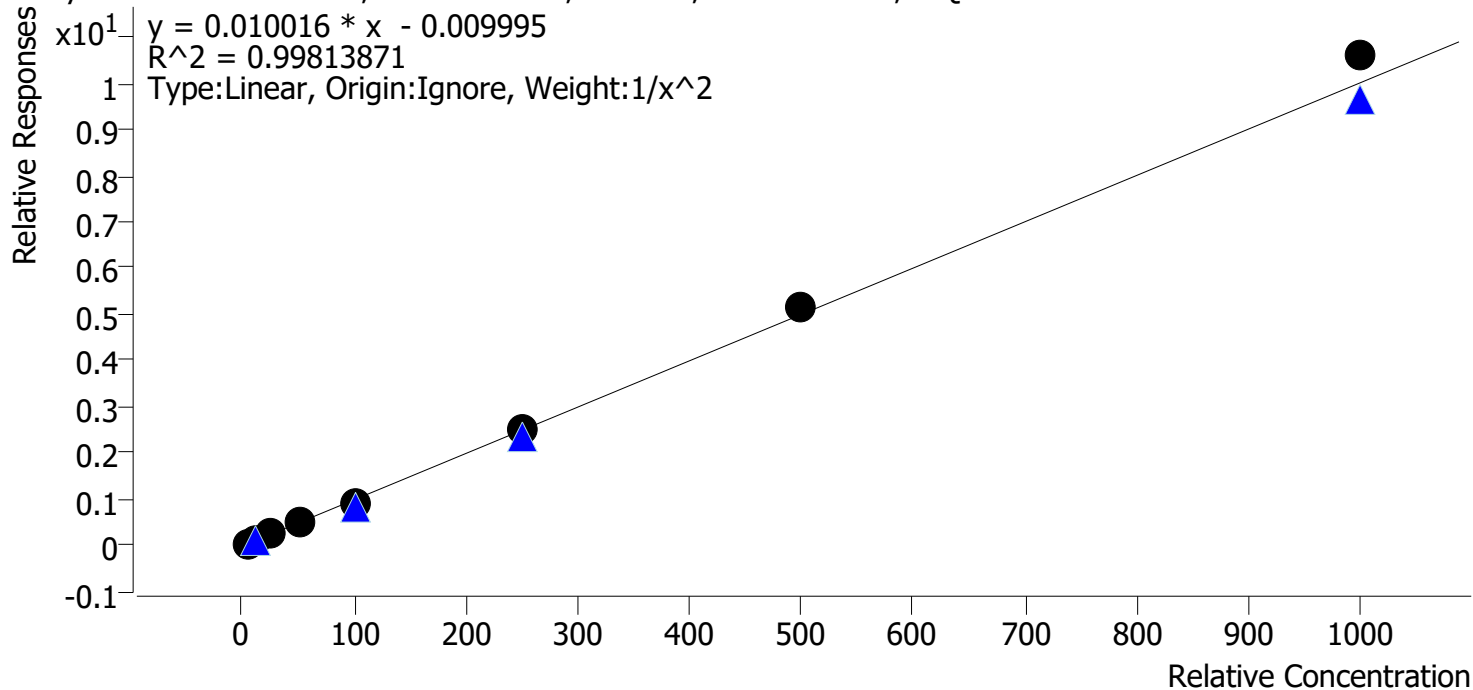
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.0
cal 2 mdq	2	✓	1.0	1.0	99.0
cal 3 mdq	3	✓	2.5	2.5	99.2
cal 4 mdq	4	✓	5.0	4.9	98.8
cal 5 mdq	5	✓	10.0	9.5	95.3
cal 6 mdq	6	✓	25.0	25.0	99.8
cal 7 mdq	7	✓	50.0	49.9	99.8
cal 8 mdq	8	✓	100.0	107.0	107.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



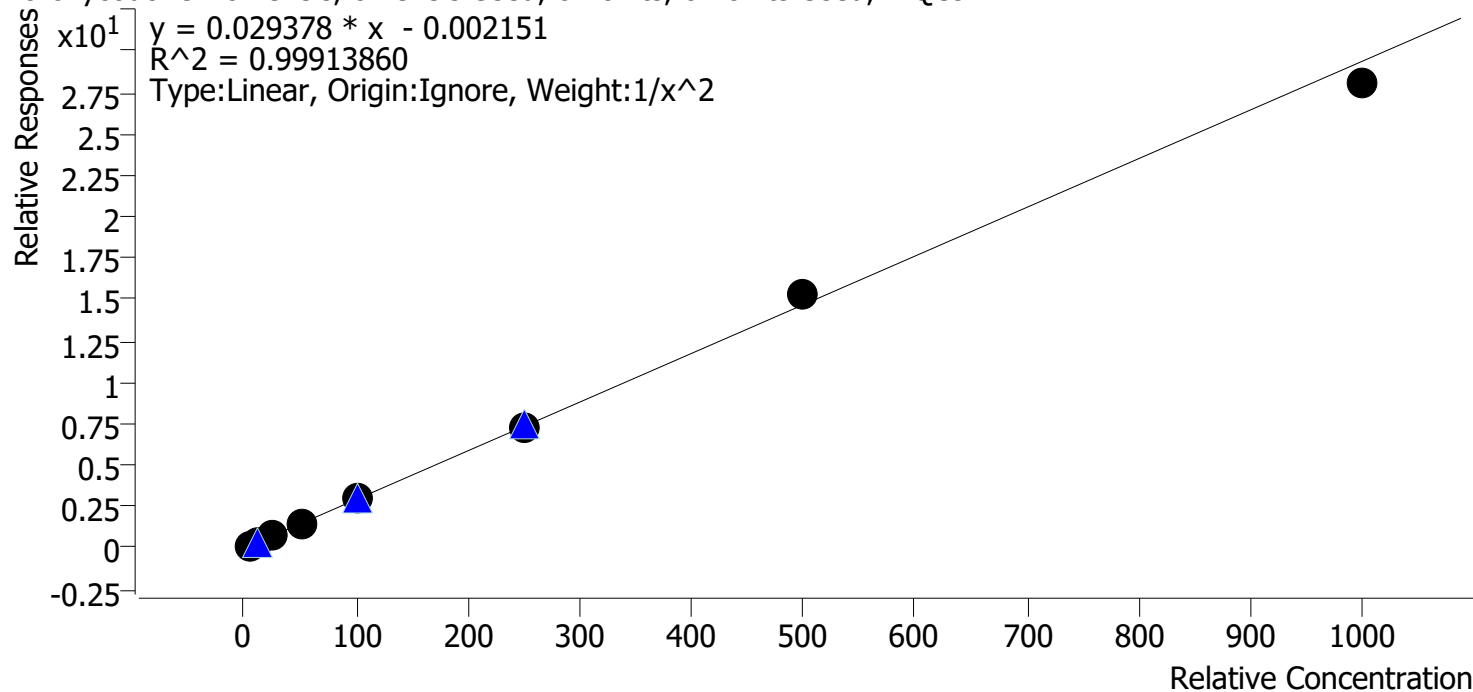
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	514.8	103.0
cal 8 mdq	8	✓	1000.0	1058.7	105.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

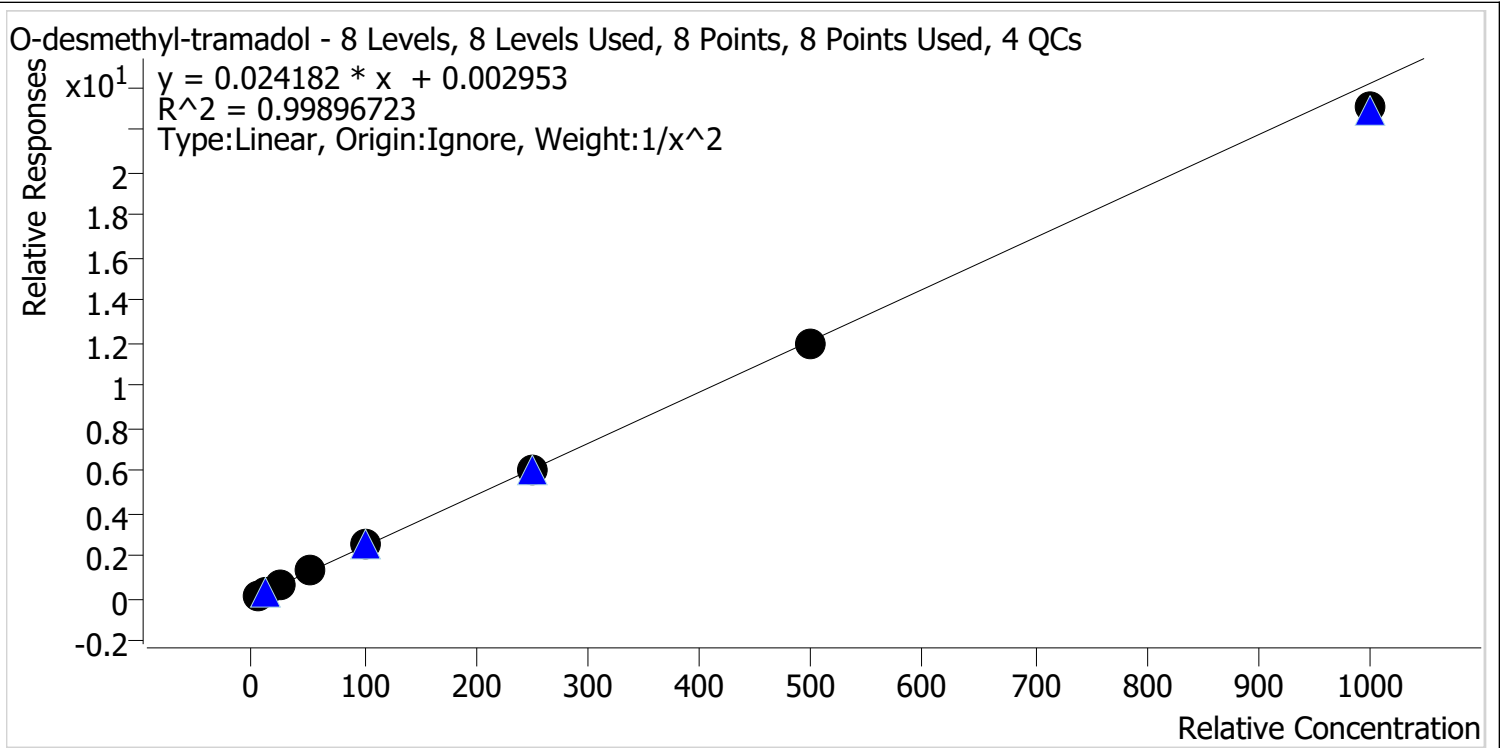


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	246.6	98.6
cal 7 mdq	7	✓	500.0	520.3	104.1
cal 8 mdq	8	✓	1000.0	957.8	95.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



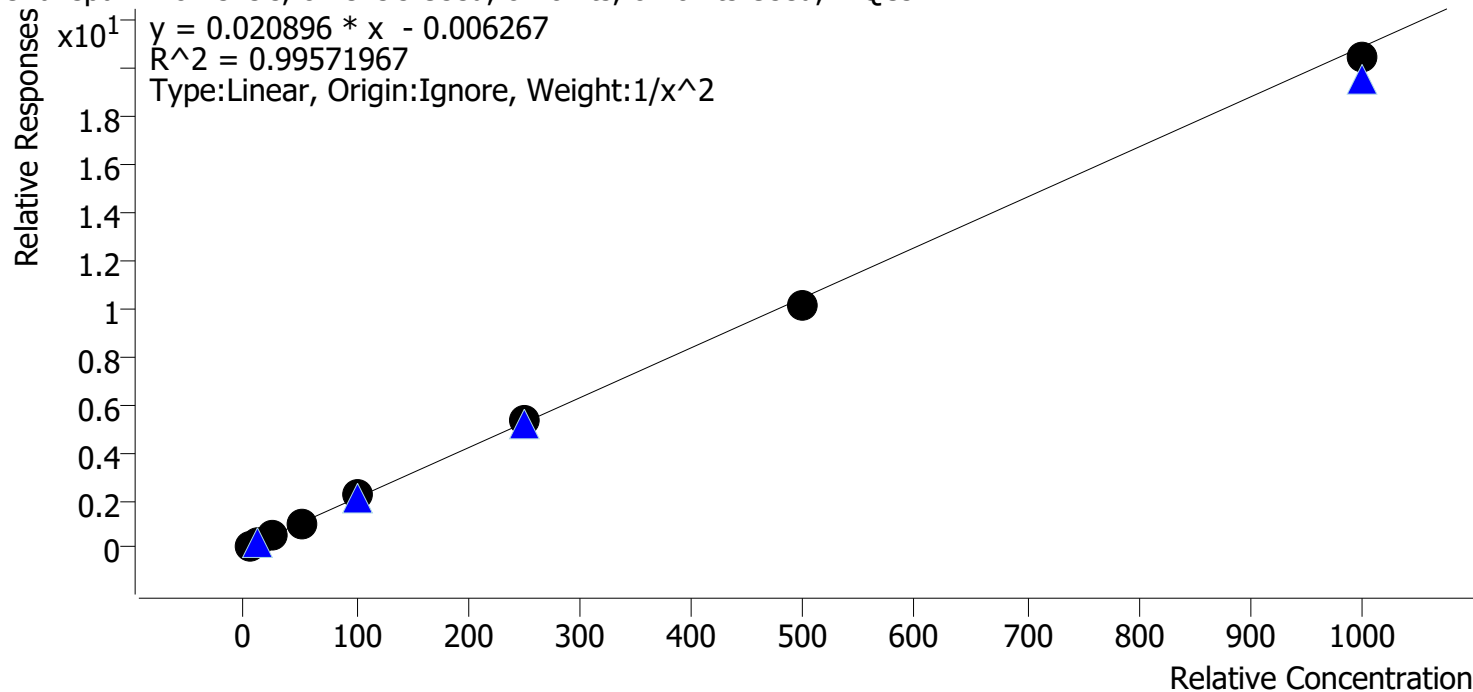
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	26.2	104.7
cal 4 mdq	4	✓	50.0	51.0	102.1
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	493.9	98.8
cal 8 mdq	8	✓	1000.0	953.5	95.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



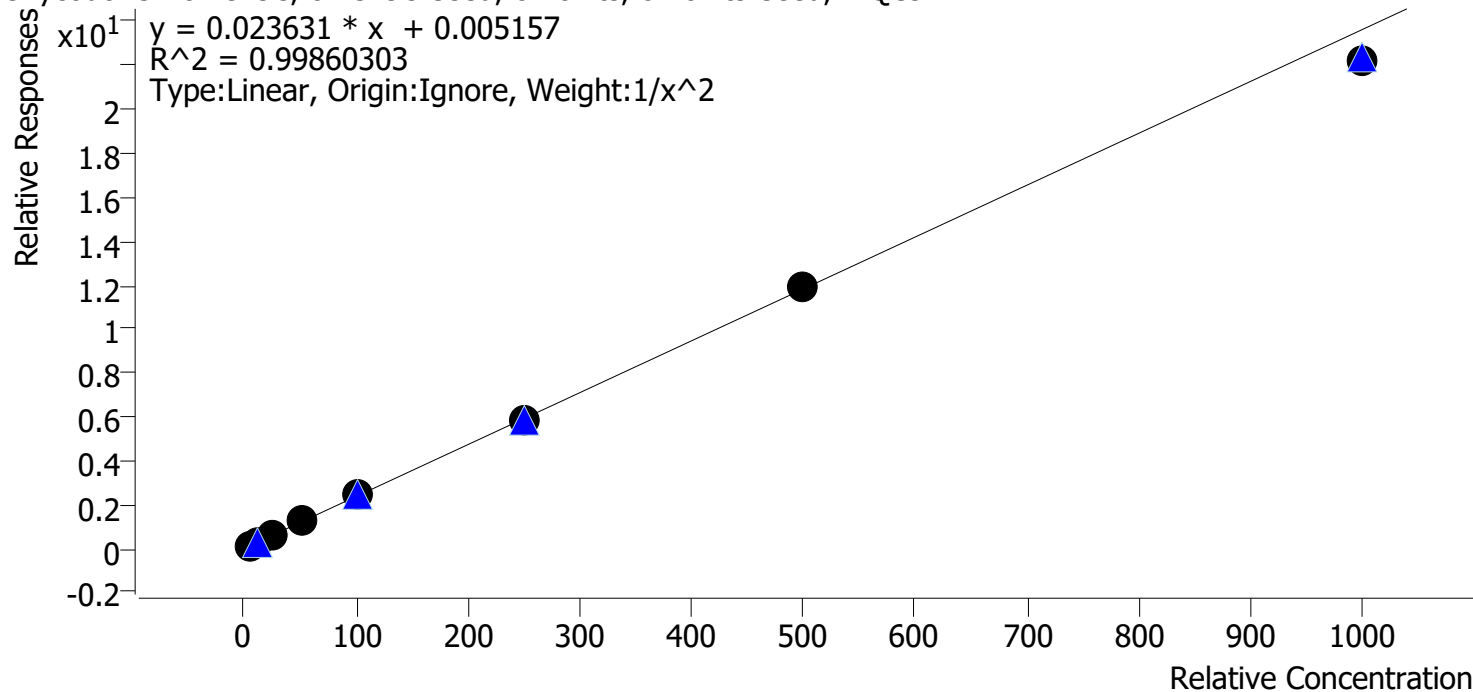
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.4	104.4
cal 3 mdq	3	✓	25.0	23.0	92.0
cal 4 mdq	4	✓	50.0	48.3	96.6
cal 5 mdq	5	✓	100.0	110.7	110.7
cal 6 mdq	6	✓	250.0	255.0	102.0
cal 7 mdq	7	✓	500.0	486.5	97.3
cal 8 mdq	8	✓	1000.0	978.6	97.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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

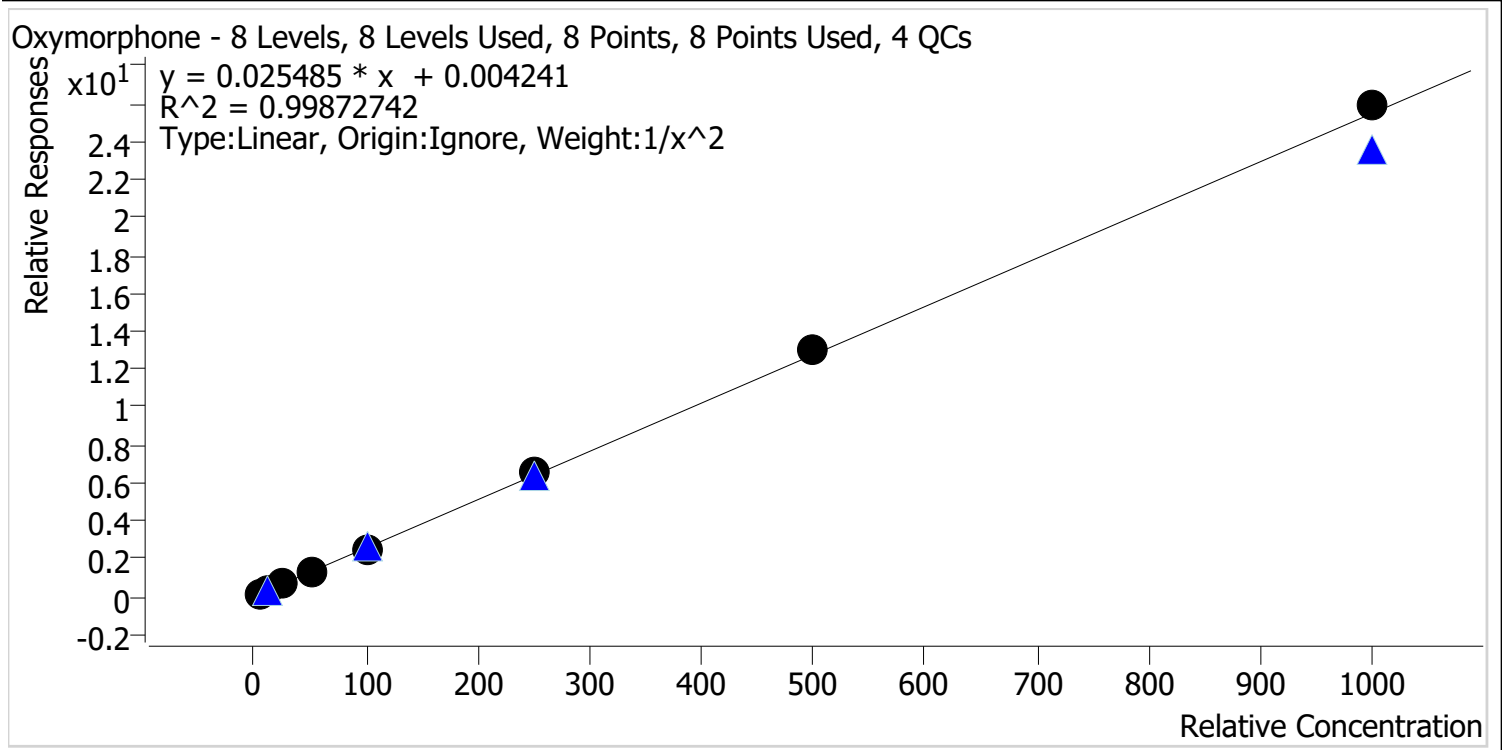


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	503.1	100.6
cal 8 mdq	8	✓	1000.0	936.6	93.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\1am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



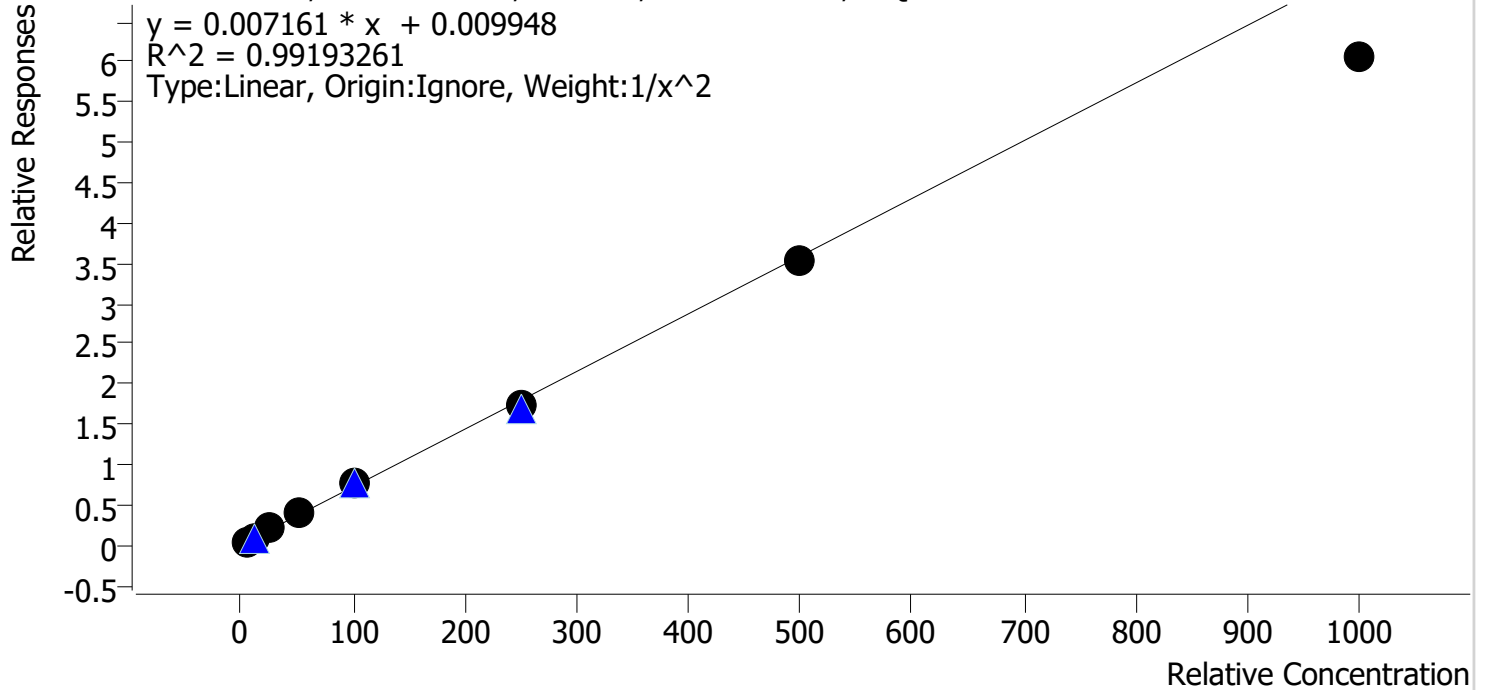
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	254.9	102.0
cal 7 mdq	7	✓	500.0	514.2	102.8
cal 8 mdq	8	✓	1000.0	1016.2	101.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



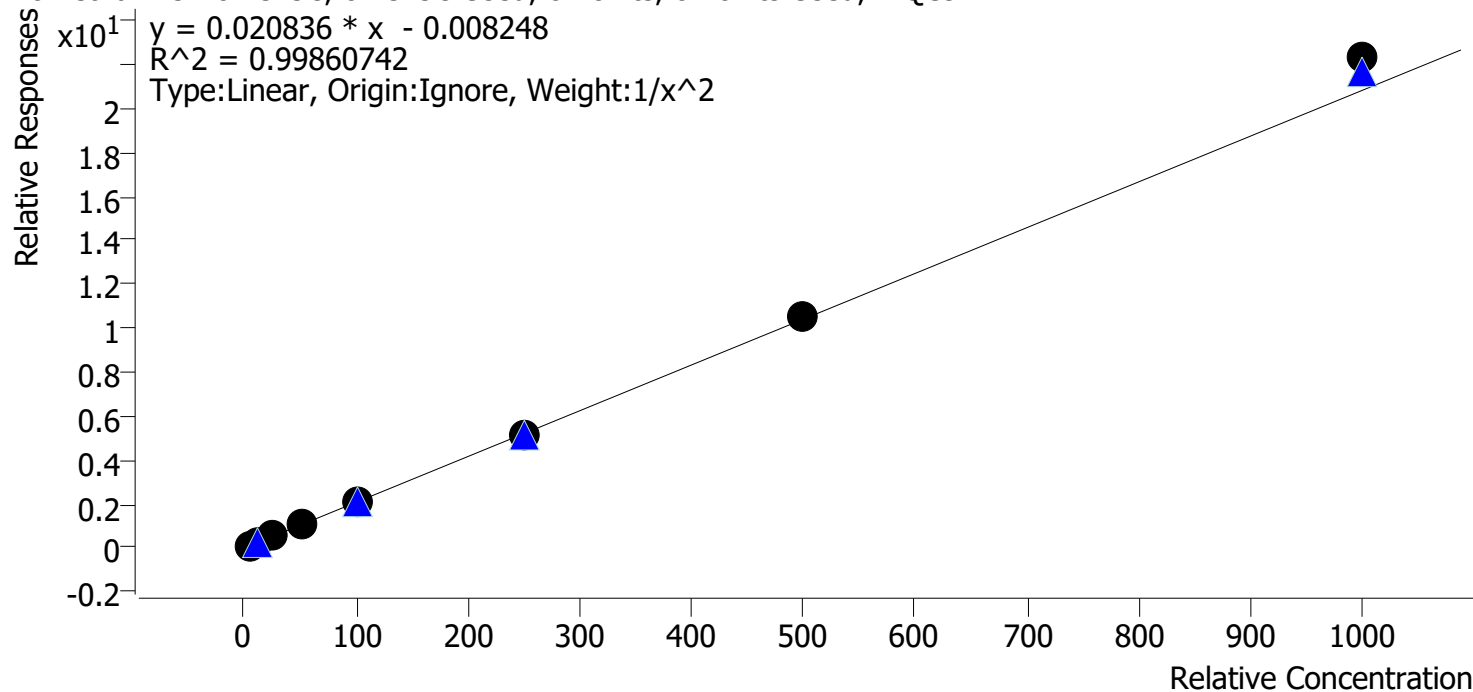
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.1
cal 2 mdq	2	✓	10.0	10.5	105.1
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	104.1	104.1
cal 6 mdq	6	✓	250.0	241.7	96.7
cal 7 mdq	7	✓	500.0	493.4	98.7
cal 8 mdq	8	✓	1000.0	848.8	84.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



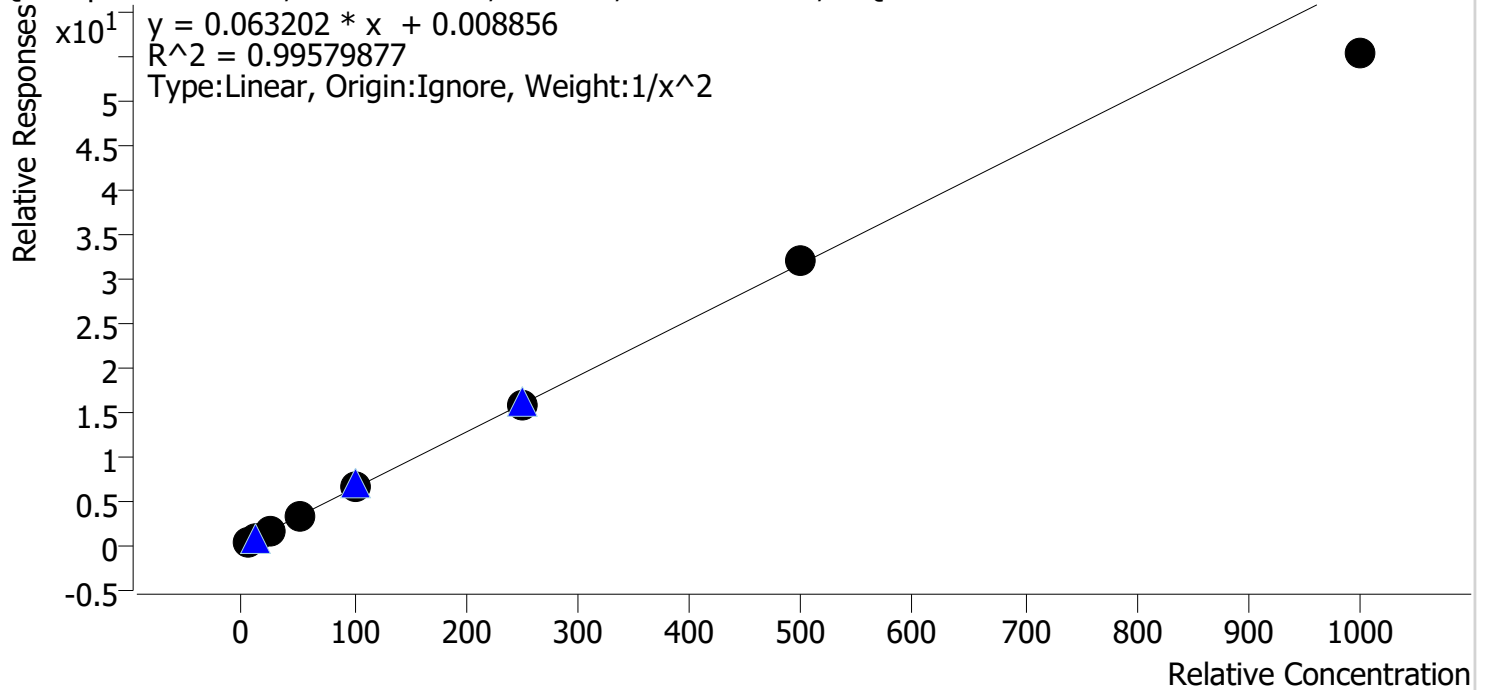
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	244.6	97.9
cal 7 mdq	7	✓	500.0	505.7	101.1
cal 8 mdq	8	✓	1000.0	1071.6	107.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



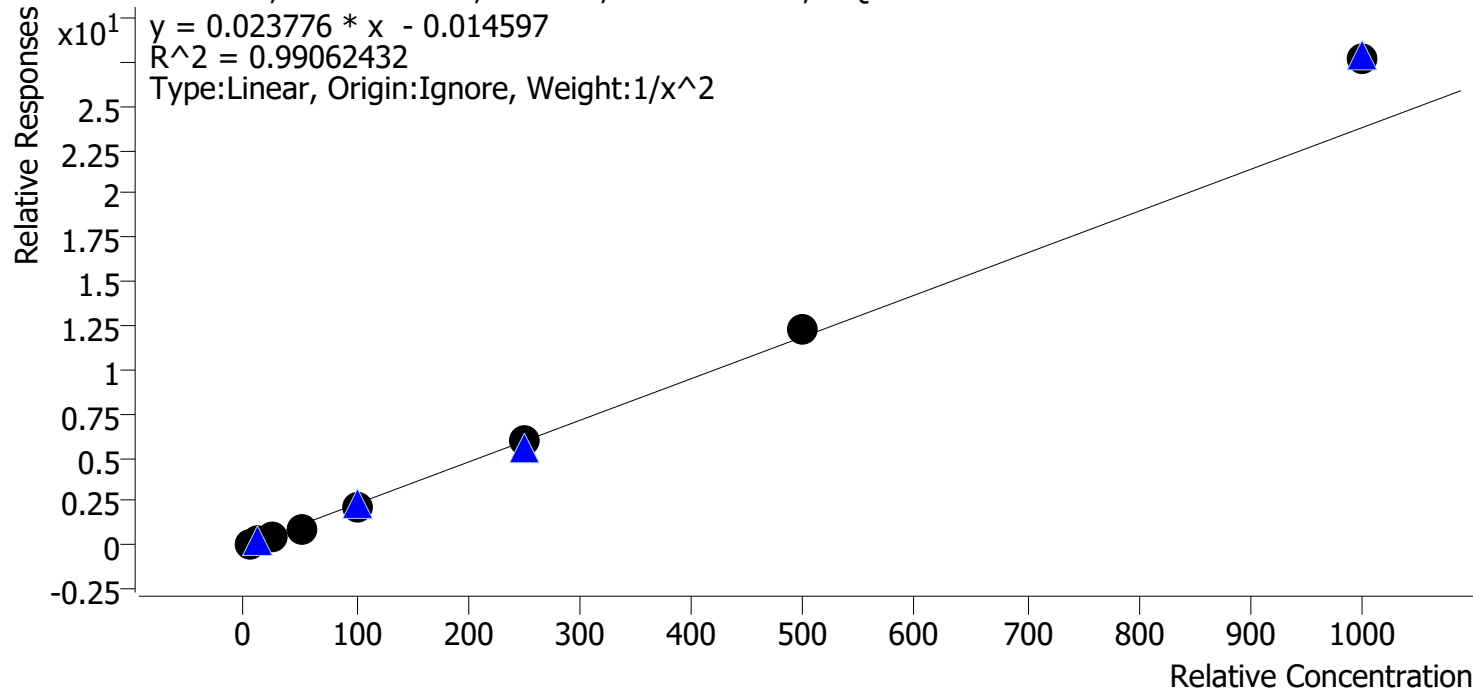
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	26.3	105.4
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	248.2	99.3
cal 7 mdq	7	✓	500.0	507.8	101.6
cal 8 mdq	8	✓	1000.0	874.4	87.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



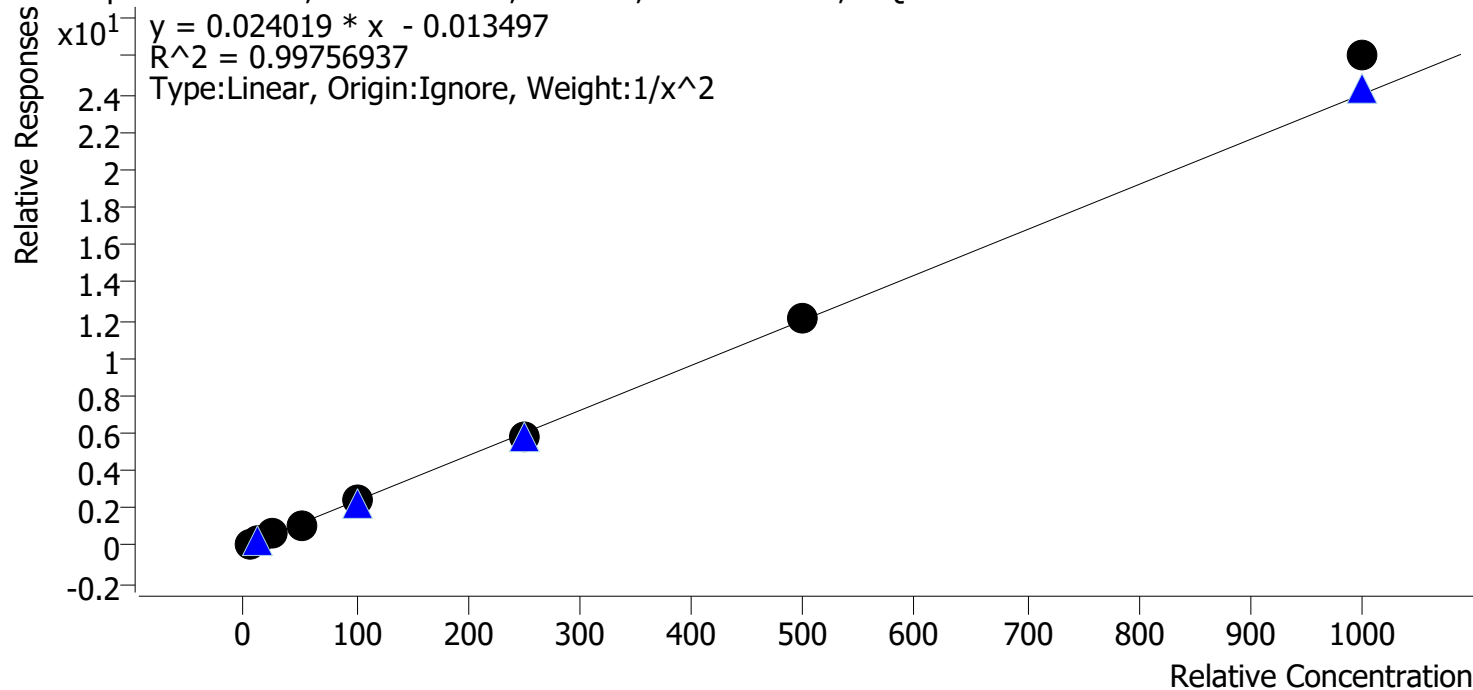
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	43.0	85.9
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	247.5	99.0
cal 7 mdq	7	✓	500.0	516.4	103.3
cal 8 mdq	8	✓	1000.0	1161.0	116.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



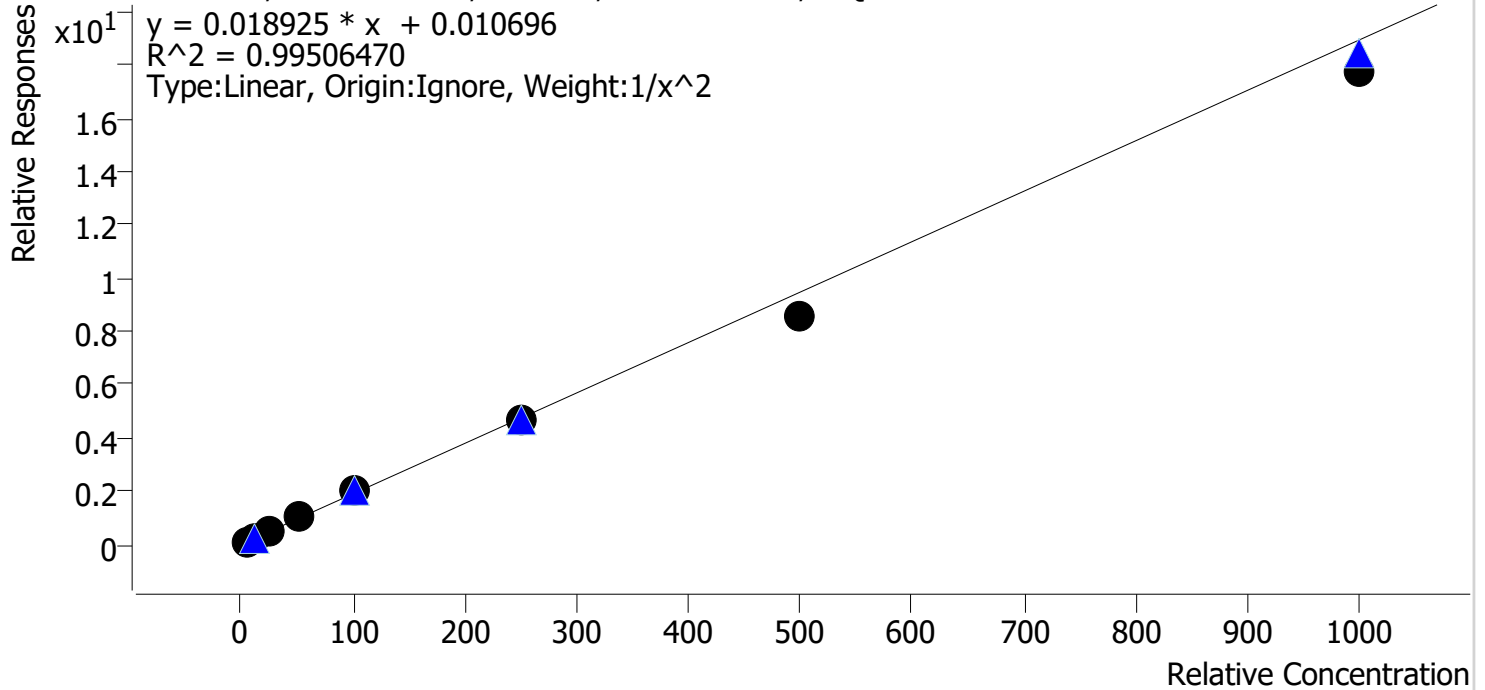
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.8
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	47.6	95.2
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	245.6	98.2
cal 7 mdq	7	✓	500.0	500.8	100.2
cal 8 mdq	8	✓	1000.0	1085.5	108.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	4.8	96.4
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	26.4	105.8
cal 4 mdq	4	✓	50.0	53.8	107.7
cal 5 mdq	5	✓	100.0	104.2	104.2
cal 6 mdq	6	✓	250.0	245.1	98.0
cal 7 mdq	7	✓	500.0	454.6	90.9
cal 8 mdq	8	✓	1000.0	936.5	93.6

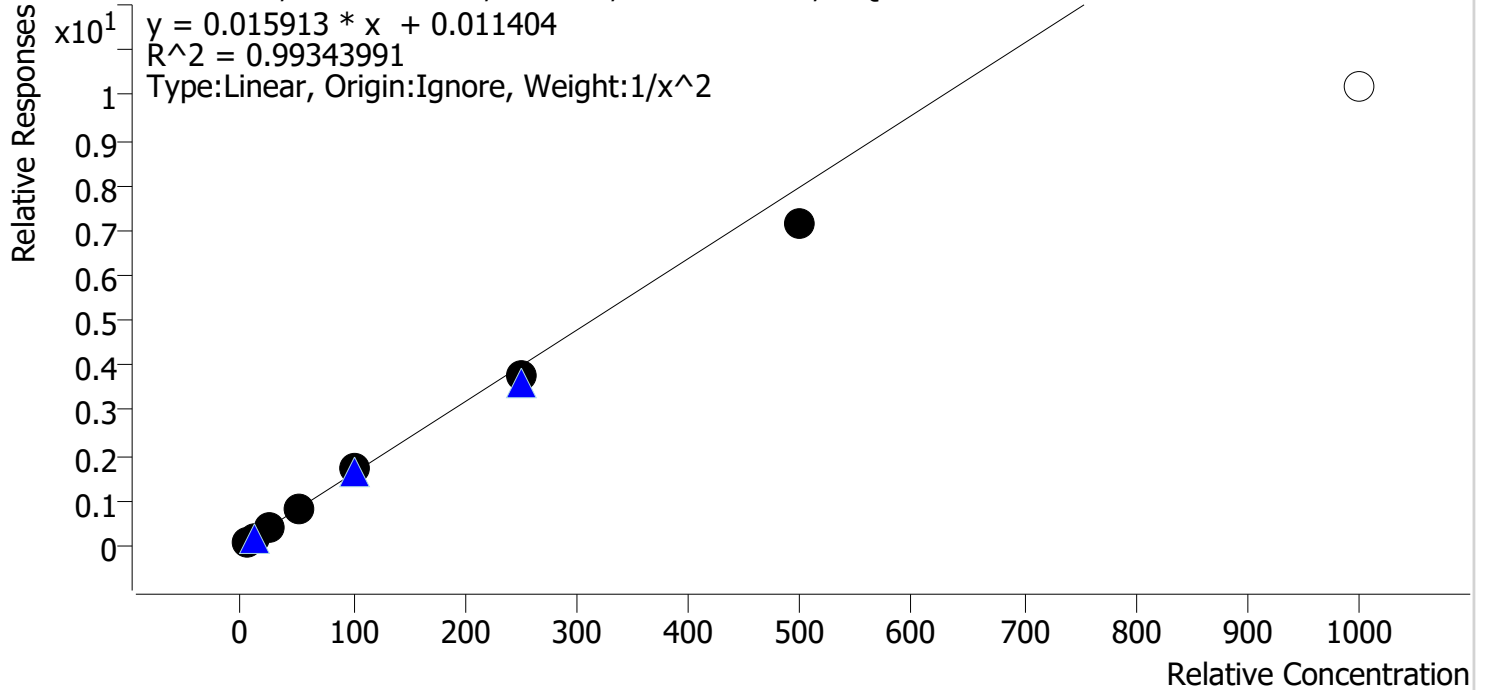
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Trazodone

Internal Standard Trazodone-D6

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



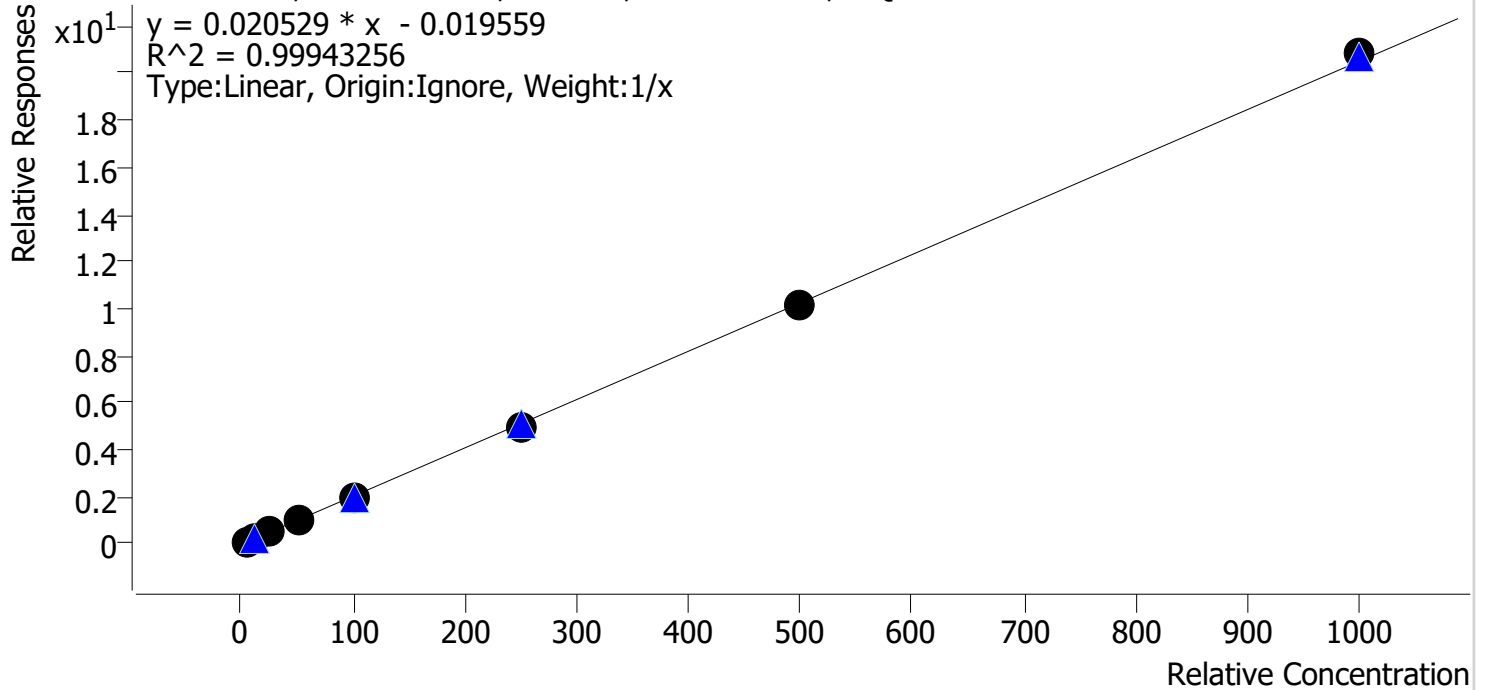
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.2
cal 2 mdq	2	✓	10.0	10.7	107.1
cal 3 mdq	3	✓	25.0	25.9	103.8
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	105.4	105.4
cal 6 mdq	6	✓	250.0	234.4	93.8
cal 7 mdq	7	✓	500.0	449.3	89.9
cal 8 mdq	8	✗	1000.0	642.7	64.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



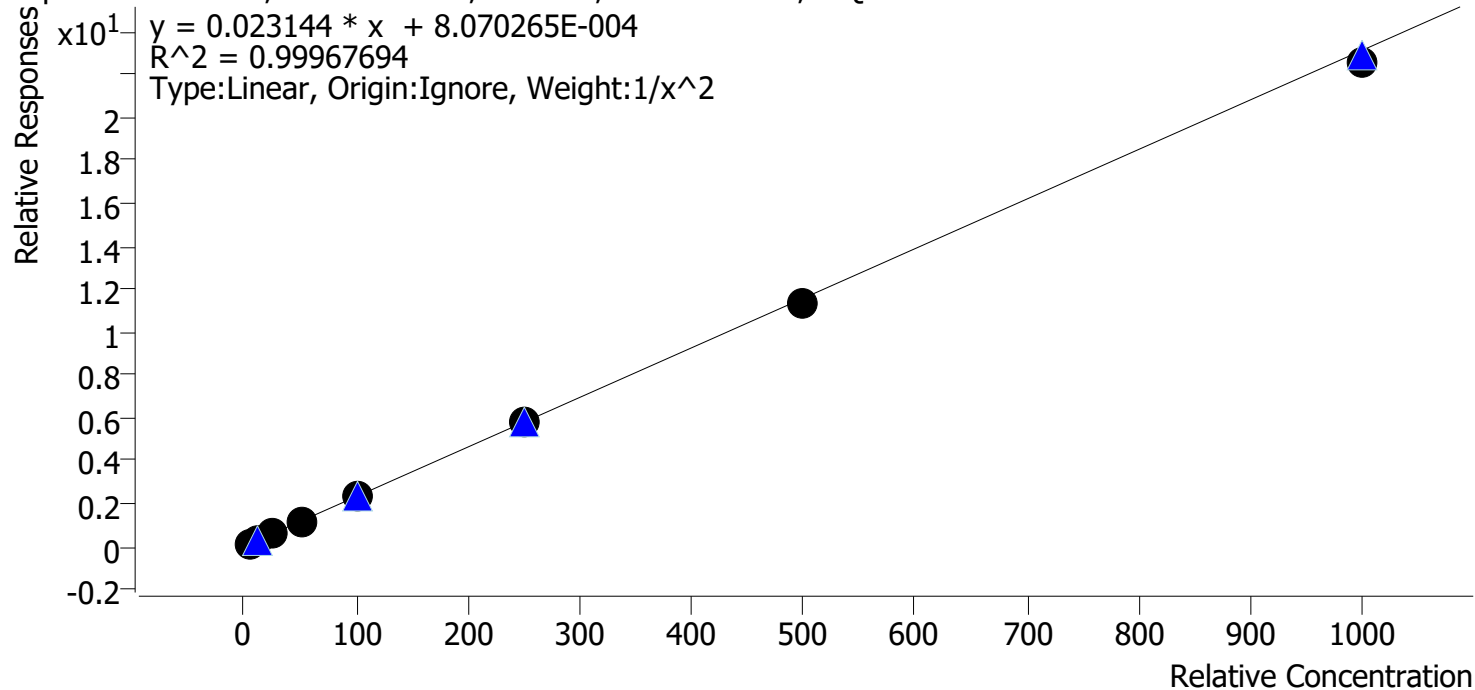
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	114.5
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	47.4	94.9
cal 5 mdq	5	✓	100.0	93.7	93.7
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	1016.0	101.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



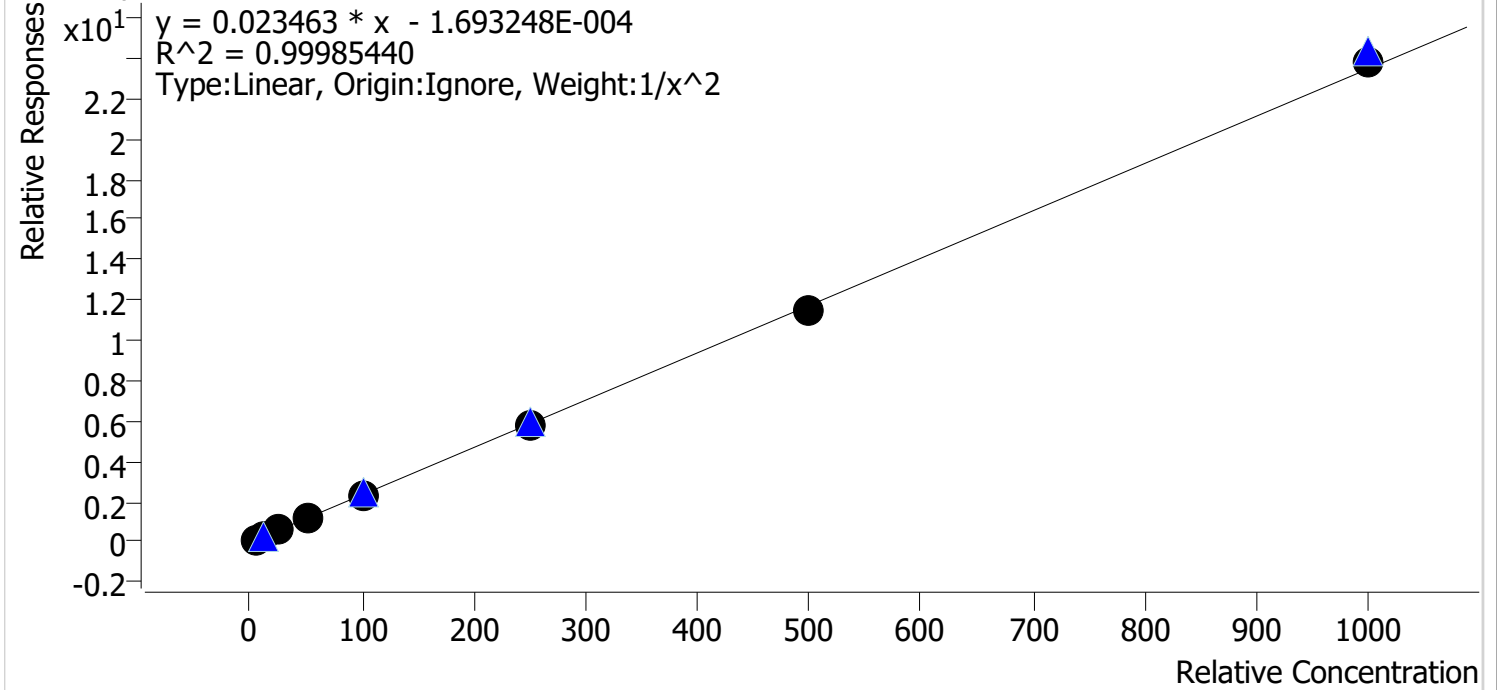
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	491.5	98.3
cal 8 mdq	8	✓	1000.0	972.7	97.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



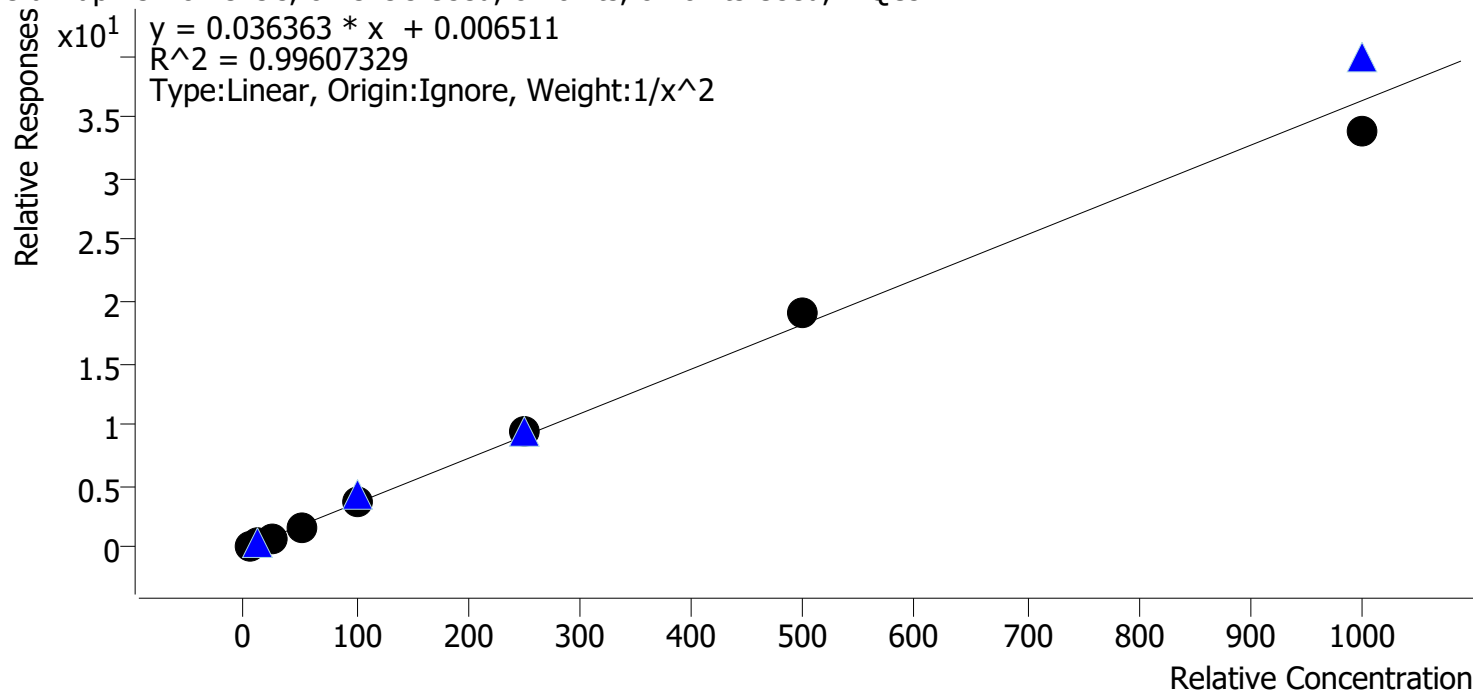
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	1015.5	101.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-d8

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



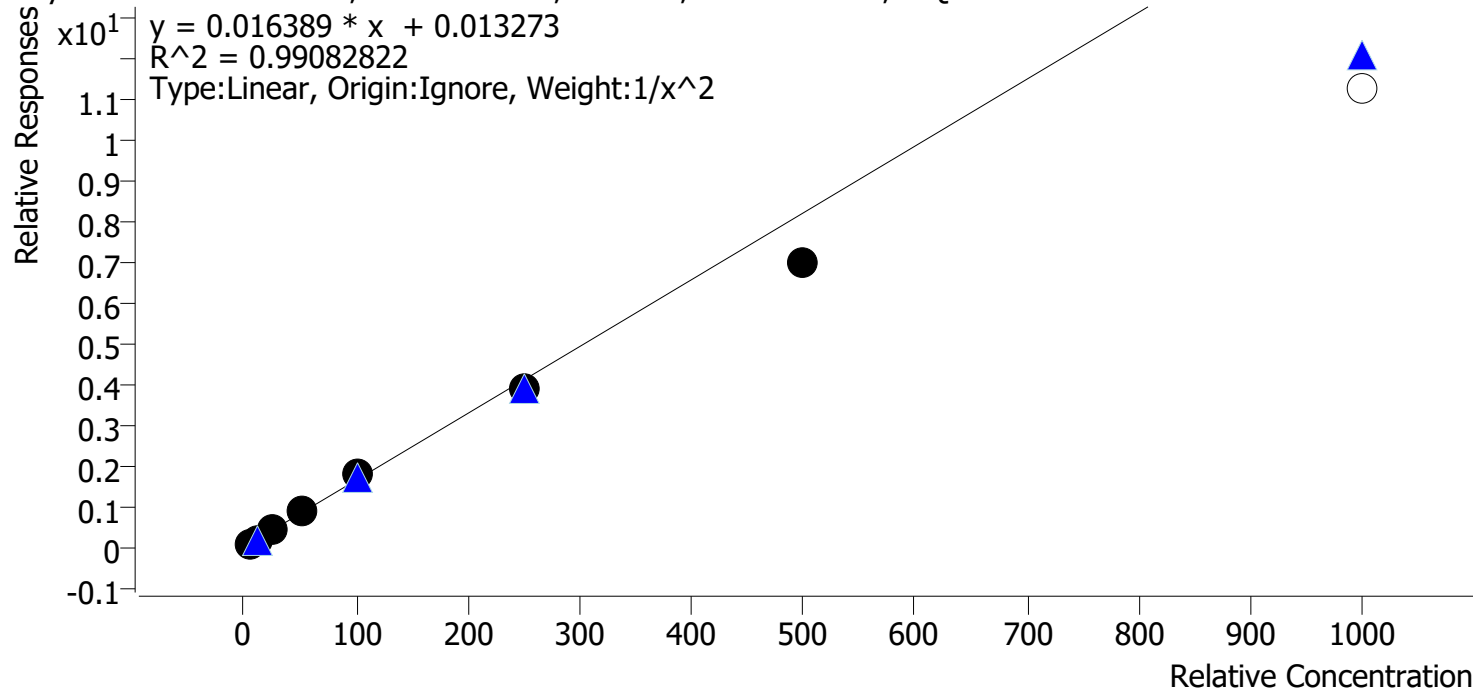
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	47.2	94.5
cal 5 mdq	5	✓	100.0	106.6	106.6
cal 6 mdq	6	✓	250.0	263.0	105.2
cal 7 mdq	7	✓	500.0	526.3	105.3
cal 8 mdq	8	✓	1000.0	932.0	93.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\10\27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



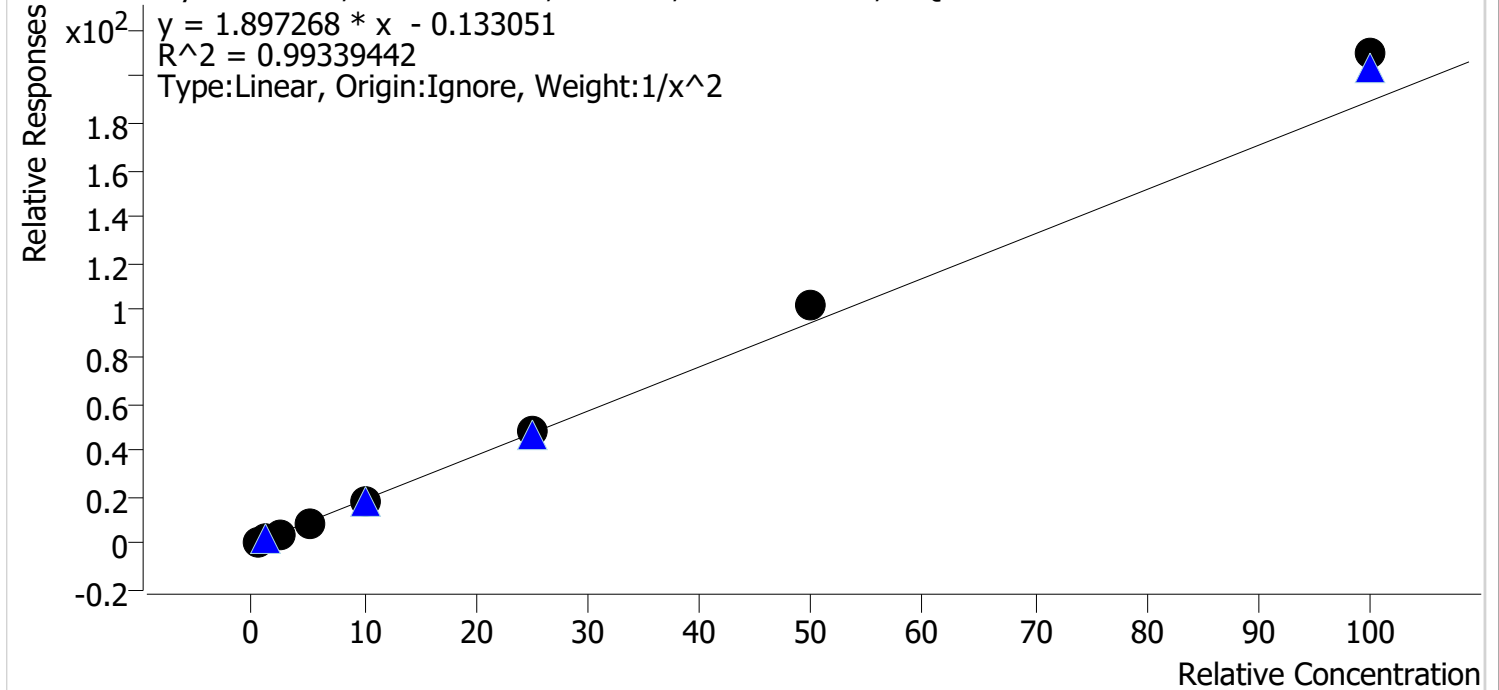
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	53.7	107.3
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	237.9	95.2
cal 7 mdq	7	✓	500.0	426.3	85.3
cal 8 mdq	8	✗	1000.0	687.8	68.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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



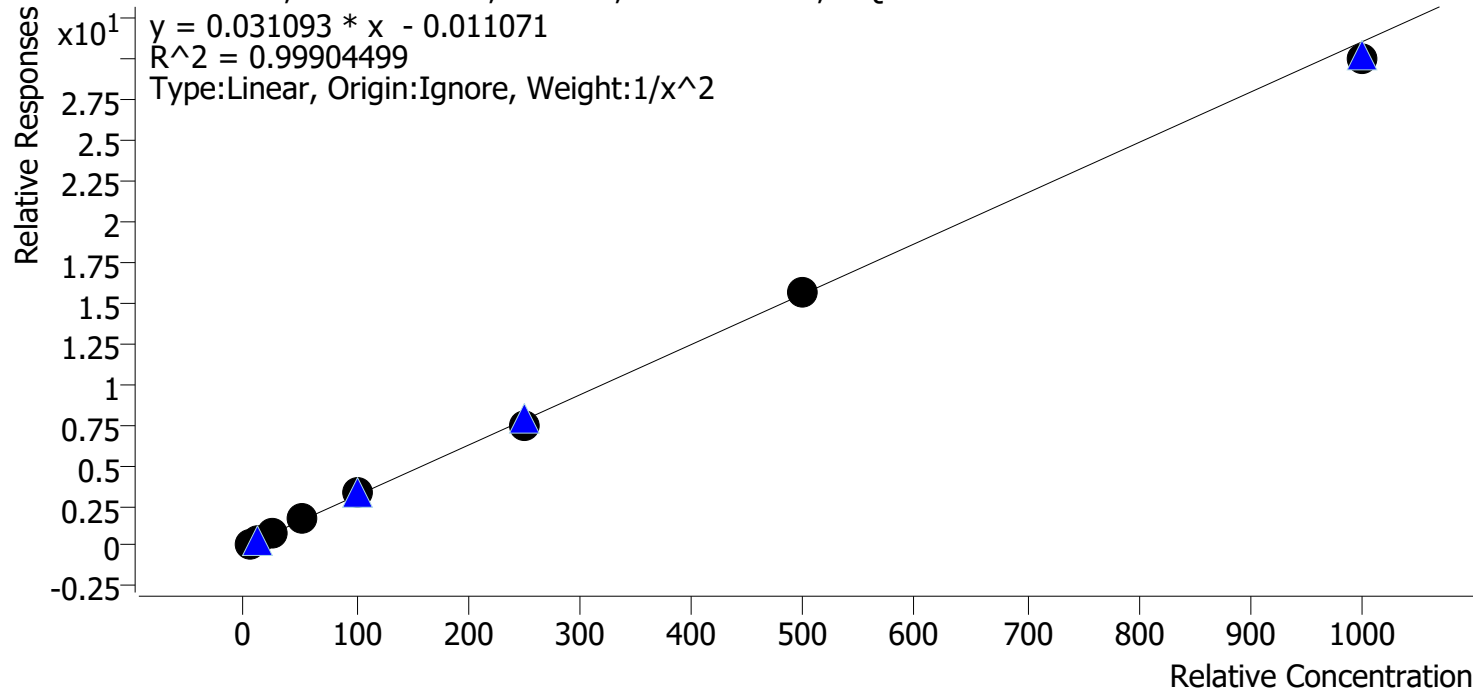
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.8
cal 2 mdq	2	✓	1.0	0.9	94.6
cal 3 mdq	3	✓	2.5	2.3	91.8
cal 4 mdq	4	✓	5.0	4.9	97.9
cal 5 mdq	5	✓	10.0	9.2	92.3
cal 6 mdq	6	✓	25.0	25.1	100.6
cal 7 mdq	7	✓	50.0	53.6	107.3
cal 8 mdq	8	✓	100.0	110.7	110.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	100.2
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	52.1	104.1
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	242.0	96.8
cal 7 mdq	7	✓	500.0	504.7	100.9
cal 8 mdq	8	✓	1000.0	965.7	96.6

Compound Calibration Report

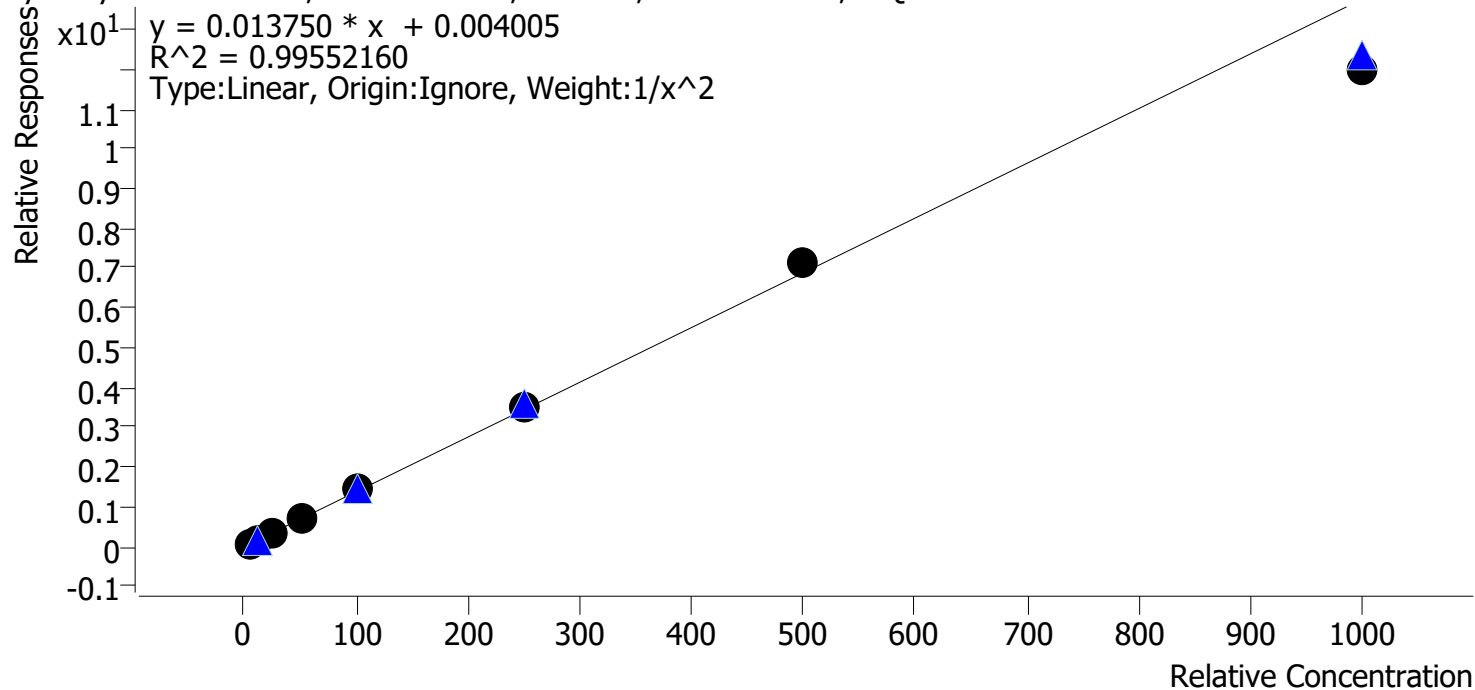


Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Hydroxyzine

Internal Standard

Pseudoephedrine-D3

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



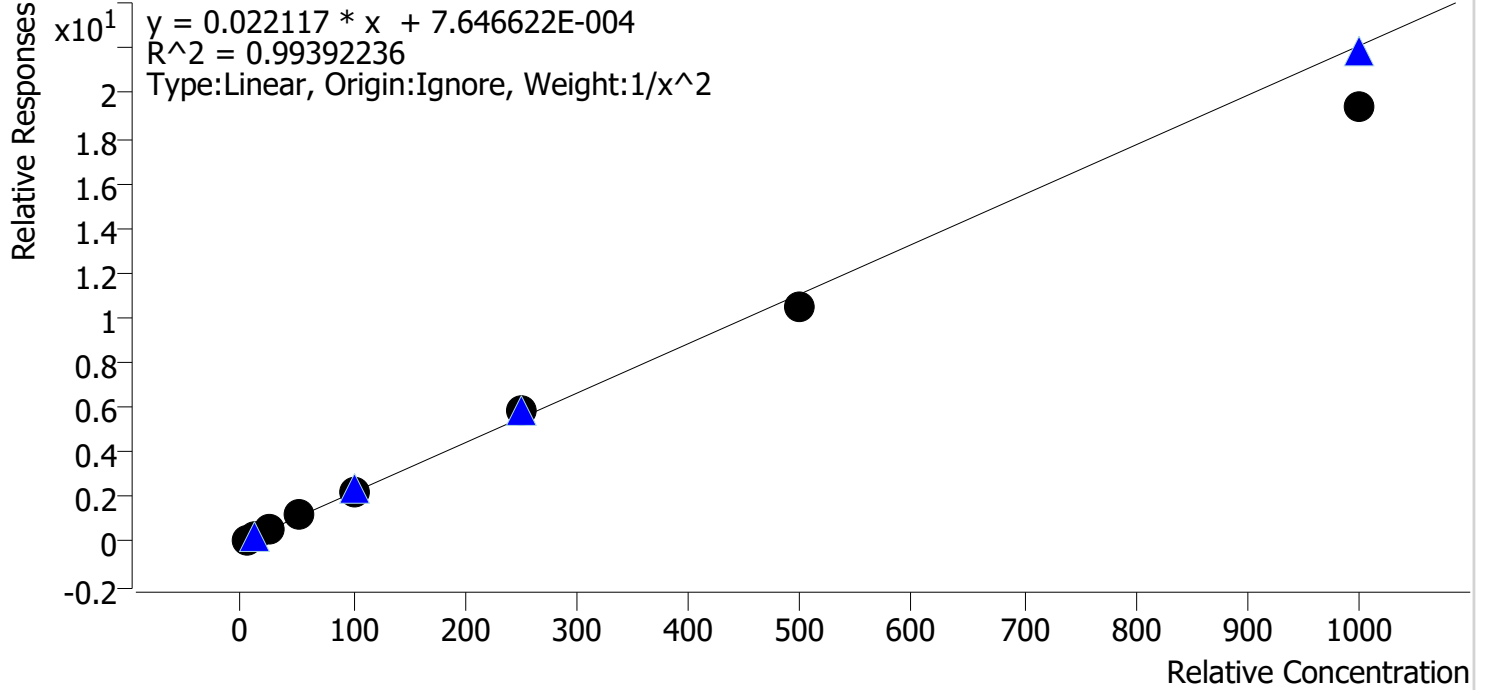
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	257.9	103.1
cal 7 mdq	7	✓	500.0	521.1	104.2
cal 8 mdq	8	✓	1000.0	869.4	86.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2023\10\27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 PM
Analyst Name ISP\datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	97.0
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	26.8	107.1
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	262.0	104.8
cal 7 mdq	7	✓	500.0	472.0	94.4
cal 8 mdq	8	✓	1000.0	880.0	88.0

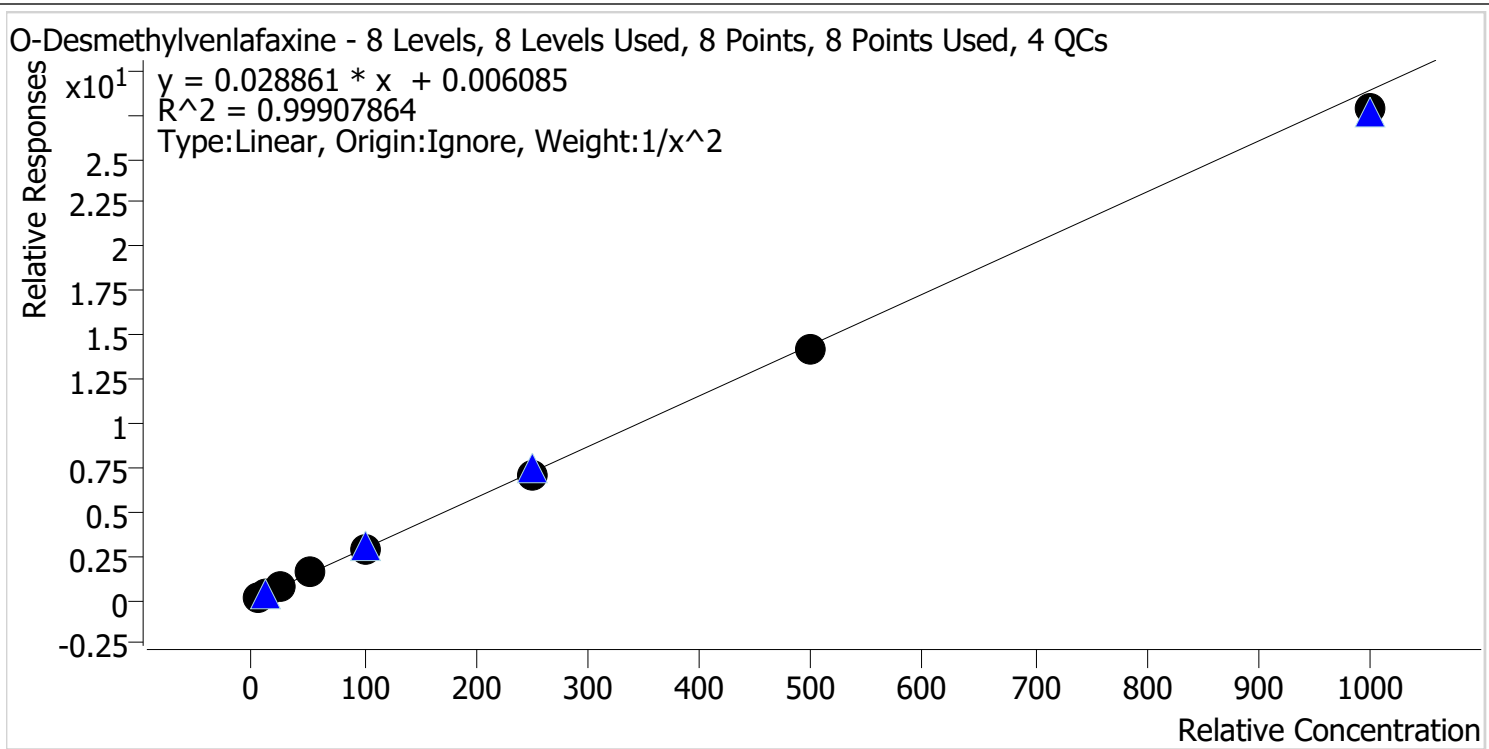
Compound Calibration Report



Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Last Cal. Update 10/5/2023 5:03 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	98.4
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	489.6	97.9
cal 8 mdq	8	✓	1000.0	963.1	96.3

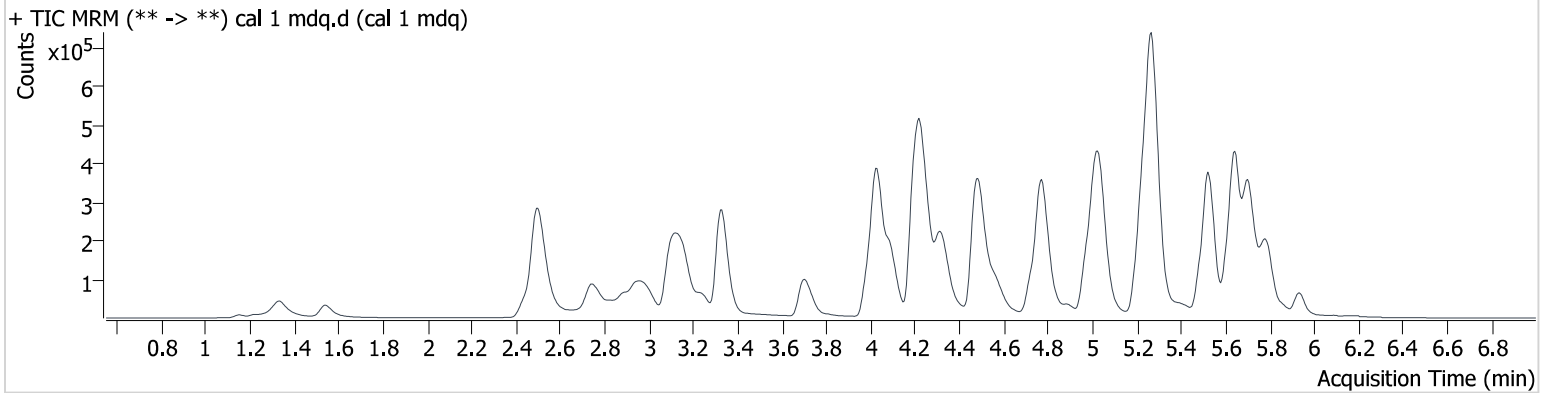
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-A1
Injection Volume 3
Acq. Date-Time 10/5/2023 11:28:00 AM
Sample Info.

Data File cal 1 mdq.d
Sample cal 1 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	1035	4021.7	149.11	3363.7	70391	0.489 ng/ml
7-aminoclonazepam	4.216	14690	1206.5	110.17	5145.3	139964	4.835 ng/ml
a-hydroxyalprazolam	5.672	1198	51.1	72.37	556.7	14993	4.901 ng/ml
alpha-PHP	4.896	19332	1085.5	249.62	82904.2	518837	5.080 ng/ml
alpha-PVP	4.326	60995	8362.1	57.81	15956.3	518837	5.026 ng/ml
Alprazolam	5.751	24856	684.6	96.85	240.5	189044	5.130 ng/ml
Amphetamine	2.979	36209	1296.6	284.01	17002.2	217602	4.853 ng/ml
Benzoylcegonine	3.837	1268	3440.9	45.83	76.4	9431	4.602 ng/ml
Bromazolam	5.796	9670	44.4	105.20	650.4	89524	4.849 ng/ml
Bupropion	4.746	61846	11991.8	68.88	2908.7	357672	4.827 ng/ml
Carisoprodol	5.707	22578	∞	69.48	652.6	152261	4.997 ng/ml
Citalopram	5.207	49453	1755.4	42.60	40481.9	481273	4.913 ng/ml
Clonazepam	5.594	2322	215.1	44.50 High	58.0	13441	2.373 ng/ml
Clonazolam	5.536	5897	196.1	38.96	371.1	17345	5.073 ng/ml
Cocaine	4.231	59602	∞	45.57	31669.7	902713	4.999 ng/ml
Codeine	2.518	7609	∞	88.82	1563.4	75838	4.831 ng/ml
Cyclobenzaprine	5.612	71227	2239.4	9.49	2443.0	465856	4.982 ng/ml
Dextromethorphan	5.251	38332	171620.2	75.40	48601.5	389516	5.075 ng/ml
Dextrorphan	4.095	44556	220199.9	45.66	79253.0	433502	5.238 ng/ml
Diazepam	5.939	16311	∞	80.98	1028.4	139541	5.100 ng/ml
Dihydrocodeine	2.482	20010	109.2	65.01	692.7	216029	4.842 ng/ml
Diphenhydramine	5.277	195847	40037.4	31.53	10679.3	1722742	5.190 ng/ml
Doxylamine	4.497	210857	310714.7	95.19	24452.7	1268549	4.864 ng/ml
Duloxetine	5.643	12232	86.6	7.22	20.4	84556	5.009 ng/ml
EDDP	5.240	79531	35918.2	41.22	182872.9	744987	5.112 ng/ml
Etizolam	5.791	2815	628.9	399.69	1690.8	189044	5.443 ng/ml
Fentanyl	5.053	6990	567.8	134.96	605.1	578883	0.525 ng/ml
Fluorofentanyl	5.104	5936	876.8	118.34	67.0	6894	0.524 ng/ml
Fluoxetine	5.710	85987	108126.2	6.38	∞	585076	5.115 ng/ml
Hydrocodone	2.971	21711	2064.2	42.00	∞	252901	4.985 ng/ml
Hydromorphone	1.547	15569	9914.3	72.33	365.5	102309	5.207 ng/ml
Hydroxyzine	5.687	73144	4937.5	103.61	24293.3	996965	5.044 ng/ml
Ketamine	4.004	39840	∞	37.23	530.5	366347	4.904 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lamotrigine	4.254	3276	643.8	112.99	565.4	374803	4.944 ng/ml
Lorazepam	5.725	1517	62.4	41.24	16.1	17345	5.447 ng/ml
MDA	3.151	47261	811.0	32.11	∞	374803	4.763 ng/ml
MDMA	3.247	43140	153355.2	100.45	49310.7	87379	4.946 ng/ml
Meprobamate	4.871	4955	636.8	44.93	105.7	38480	4.695 ng/ml
Methadone	5.647	113935	93205.3	49.13	9125.6	840946	4.971 ng/ml
Methamphetamine	3.167	164258	12386.5	36.00	1807.9	637994	4.580 ng/ml
Metoprolol	4.293	15317	2355.2	100.05	∞	374803	5.102 ng/ml
Mirtazapine	4.570	123391	35246.2	48.98	2880.7	1268549	4.900 ng/ml
Mitragynine	5.185	22134	81127.9	31.77	∞	996965	5.063 ng/ml
Morphine	1.156	2861	∞	17.10	4534.2	7626	4.988 ng/ml
Norbuprenorphine	4.990	418	30.2	117.00	68.9	11287	0.476 ng/ml
Nordiazepam	5.872	3140	756.1	49.79	672.7	21031	5.117 ng/ml
Norfentanyl	4.050	3132	69.7	28.14	167.7	690314	0.505 ng/ml
Norhydrocodone	3.027	3684	∞	24.43	352.3	88687	5.146 ng/ml
Noroxycodone	2.864	15756	∞	50.42	337.6	108204	5.030 ng/ml
O-desmethyl-tramadol	3.333	111441	25279.3	7.22	1293.2	905343	4.968 ng/ml
O-Desmethylvenlafaxine	4.038	32450	67.1	539.73	3595.3	219076	4.921 ng/ml
Olanzapine	4.348	59792	189.6	44.05	377.0	311746	5.095 ng/ml
Oxazepam	5.737	1690	139.0	83.84	29.6	17345	4.962 ng/ml
Oxycodone	2.771	42880	∞	28.61	592.5	347514	5.003 ng/ml
Oxymorphone	1.334	31876	∞	43.49	∞	238418	5.080 ng/ml
Phentermine	3.739	16673	240.2	11.00	156.9	379031	4.753 ng/ml
Promethazine	5.528	88048	22636.8	39.88	5069.3	905372	5.063 ng/ml
Pseudoephedrine	2.510	116806	5175.1	17.59	6796.1	996965	5.001 ng/ml
Quetiapine	5.504	112510	1807.9	63.42	2760.5	353672	4.893 ng/ml
Sertraline	5.777	21839	33386.4	108.92	37201.6	202309	5.154 ng/ml
Temazepam	5.798	16520	768.4	28.56	95.2	150250	5.140 ng/ml
Tramadol	4.212	104261	18294.7	4.30	1988.8	1023442	4.818 ng/ml
Trazodone	5.016	53149	4732.6	130.83	19590.6	610071	4.758 ng/ml
Venlafaxine	5.018	80658	13713.0	37.75	1620.6	823528	5.724 ng/ml
Xylazine	4.035	6986	50.1	132.46	643.2	229678	4.328 ng/ml
Zolpidem	4.791	116966	3702.8	29.81	18841.9	1008810	4.975 ng/ml

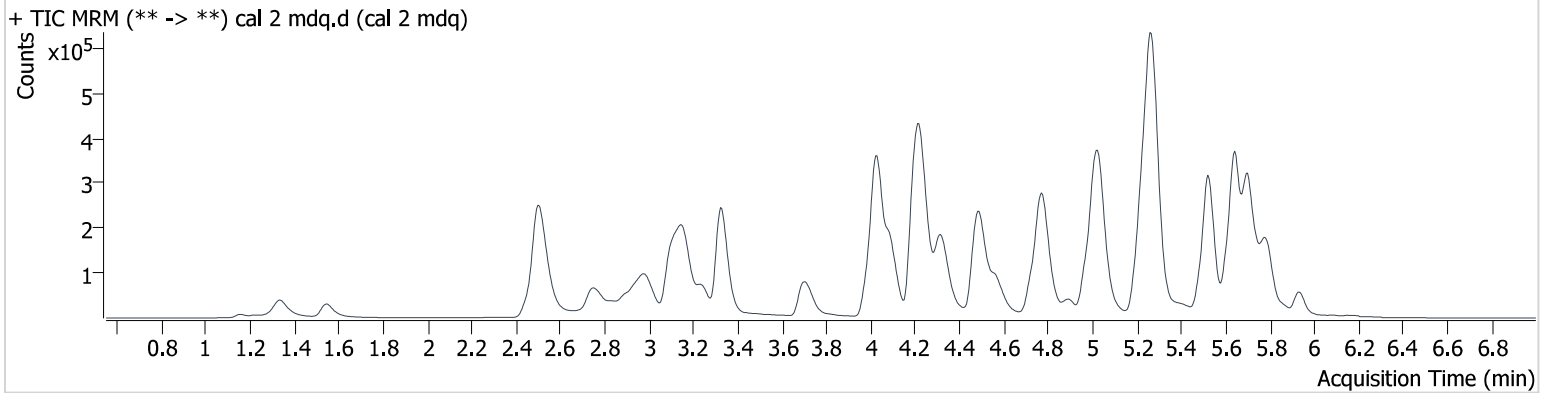
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\am 27-28\100523\QuantResults\mdq1.batch.bin
Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-B1
Injection Volume 3
Acq. Date-Time 10/5/2023 11:36:52 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.097	1748	∞	138.03	∞	56033	1.017 ng/ml
7-aminoclonazepam	4.211	12762	1334.1	115.02	2499.8	64612	10.082 ng/ml
a-hydroxyalprazolam	5.678	2162	313.6	54.65	622.7	11796	10.448 ng/ml
alpha-PHP	4.896	30214	5342.0	247.47	193057.5	389365	9.956 ng/ml
alpha-PVP	4.326	90923	∞	57.62	16367.8	389365	9.855 ng/ml
Alprazolam	5.751	40485	∞	92.90	910.6	166795	9.577 ng/ml
Amphetamine	2.984	50093	4523.0	298.22	58176.6	171161	9.957 ng/ml
Benzoylcegonine	3.827	2113	∞	36.21	115.5	7648	9.945 ng/ml
Bromazolam	5.791	16593	454.6	91.78	277.6	73489	10.174 ng/ml
Buprenorphine	5.639	2774	772.2	21.41 High	83.7	52322	0.230 ng/ml
Bupropion	4.746	87866	34590.9	71.34	1718.7	259899	10.214 ng/ml
Carisoprodol	5.701	35007	204232.5	66.23	500.0	119632	9.767 ng/ml
Citalopram	5.207	80467	22057.1	38.27	∞	360597	10.319 ng/ml
Clonazepam	5.589	3773	2039.3	46.98 High	169.3	8414	8.490 ng/ml
Clonazolam	5.530	8568	1797.3	34.63	869.8	13156	9.859 ng/ml
Cocaine	4.231	83807	118027.1	44.41	∞	631402	10.012 ng/ml
Codeine	2.523	10881	17764.6	90.97	5527.8	56017	10.098 ng/ml
Cyclobenzaprine	5.612	107113	15545.3	9.33	2061.8	339468	10.192 ng/ml
Dextromethorphan	5.251	58298	109983.6	75.09	∞	301050	9.608 ng/ml
Dextrorphan	4.095	74168	300662.1	47.01	117358.4	361176	10.009 ng/ml
Diazepam	5.939	23710	∞	86.44	5336.1	107372	9.624 ng/ml
Dihydrocodeine	2.487	29882	446.6	65.88	231.0	165339	10.218 ng/ml
Diphenhydramine	5.272	284202	∞	33.28	9197.9	1305962	9.529 ng/ml
Doxylamine	4.497	227325	462604.1	94.60	7992.1	660365	10.235 ng/ml
Duloxetine	5.648	16832	413.1	9.41	65.3	56809	9.885 ng/ml
EDDP	5.240	119503	3403.2	42.28	∞	597367	9.582 ng/ml
Etizolam	5.797	3965	1888.1	395.21	3952.9	166795	8.581 ng/ml
Fentanyl	5.053	9239	1560.6	149.11	1770.0	429490	0.925 ng/ml
Fluorofentanyl	5.104	8638	8224.2	112.16	1810.8	5198	0.946 ng/ml
Fluoxetine	5.710	112875	∞	6.32	6843.9	405463	9.489 ng/ml
Hydrocodone	2.976	32363	527.4	41.92	1127.7	193481	9.845 ng/ml
Hydromorphone	1.552	24206	1390.6	72.06	1680.2	87644	9.211 ng/ml
Hydroxyzine	5.687	103667	4894.7	107.57	3589.6	759608	9.634 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.998	57816	2543.6	36.23	459.8	272880	10.058 ng/ml
Lamotrigine	4.249	5742	1432.5	97.59	2971.3	308230	10.101 ng/ml
Lorazepam	5.730	1699	139.8	48.78	81.7	13156	8.271 ng/ml
MDA	3.151	78209	5939.5	30.90	∞	308230	10.358 ng/ml
MDMA	3.247	70461	5832.3	100.02	2878.6	70253	10.072 ng/ml
Meprobamate	4.871	7660	863.2	47.40	341.6	27569	10.807 ng/ml
Methadone	5.647	169972	27033.9	48.45	57489.7	608538	10.141 ng/ml
Methamphetamine	3.167	217860	5424.9	35.12	∞	498549	11.150 ng/ml
Metoprolol	4.293	23091	∞	103.82	∞	308230	9.329 ng/ml
Mirtazapine	4.570	126808	10672.1	52.21	10111.7	660365	10.286 ng/ml
Mitragynine	5.180	33075	47321.8	28.88	13638.9	759608	9.742 ng/ml
Morphine	1.161	4897	∞	15.85	2373.7	6485	9.908 ng/ml
Norbuprenorphine	4.969	527	30.9	93.68	77.7	9355	0.833 ng/ml
Nordiazepam	5.883	4402	2793.2	64.93	410.0	16050	9.280 ng/ml
Norfentanyl	4.045	5260	375.7	26.09	146.2	584184	0.990 ng/ml
Norhydrocodone	3.022	5580	∞	23.30	∞	64843	9.590 ng/ml
Noroxycodone	2.864	23066	∞	49.07	14160.4	80786	9.792 ng/ml
O-desmethyl-tramadol	3.328	168873	19375.8	7.18	888.4	697341	9.892 ng/ml
O-Desmethylvenlafaxine	4.038	51584	925.6	519.82	4536.9	172709	10.138 ng/ml
Olanzapine	4.343	56217	197.1	40.26	1263.7	154276	9.842 ng/ml
Oxazepam	5.732	2786	73.8	83.03	30.5	13156	10.436 ng/ml
Oxycodone	2.776	55605	∞	30.01	2049.8	235786	9.761 ng/ml
Oxymorphone	1.339	40963	∞	42.92	∞	160316	9.859 ng/ml
Phentermine	3.734	23754	7861.2	11.26	394.4	278845	10.507 ng/ml
Promethazine	5.528	129304	∞	39.90	1937.9	654612	9.876 ng/ml
Pseudoephedrine	2.515	177524	7334.8	17.47	2824.9	759608	9.968 ng/ml
Quetiapine	5.498	127540	1167160.8	63.05	13818.4	196761	10.116 ng/ml
Sertraline	5.772	26808	197030.2	108.37	34997.9	123656	9.732 ng/ml
Temazepam	5.798	24926	9348.8	29.59	102.7	114611	9.616 ng/ml
Tramadol	4.207	168237	∞	4.35	4683.4	815649	10.334 ng/ml
Trazodone	5.016	77072	8805.1	129.37	7407.4	423941	10.708 ng/ml
Venlafaxine	5.013	122353	57414.5	37.85	1197.9	647949	10.151 ng/ml
Xylazine	4.035	10919	47.9	130.95	905.6	181566	9.735 ng/ml
Zolpidem	4.791	161918	∞	29.92	3231.1	694028	10.045 ng/ml

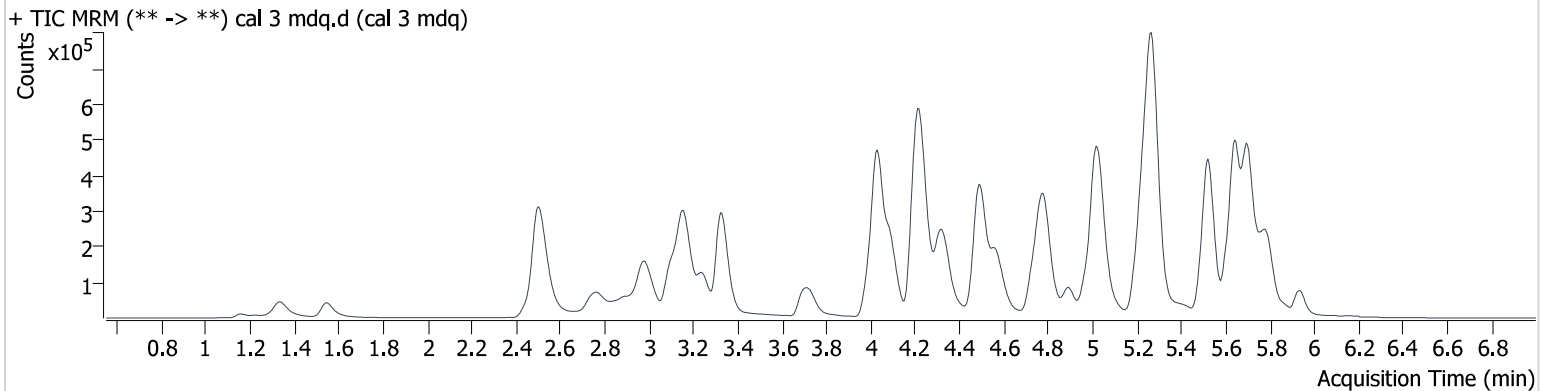
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-C1
Injection Volume 3
Acq. Date-Time 10/5/2023 11:45:34 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	4112	9390.9	137.82	57904.8	50636	2.620 ng/ml
7-aminoclonazepam	4.216	34661	1938.8	110.50	1905.5	68951	27.380 ng/ml
a-hydroxyalprazolam	5.672	4852	854.4	66.25	957.9	11425	23.404 ng/ml
alpha-PHP	4.896	69817	9350.3	254.65	23863.3	356787	24.227 ng/ml
alpha-PVP	4.326	216432	37221.0	57.39	15708.0	356787	25.393 ng/ml
Alprazolam	5.751	94457	3246.1	96.39	4299.1	152910	24.567 ng/ml
Amphetamine	2.984	108480	4388.5	302.20	43650.0	147424	27.872 ng/ml
Benzoylcegonine	3.832	4758	11442.8	45.59	243.8	7527	23.357 ng/ml
Bromazolam	5.791	40637	1152.6	90.33	202.5	68508	26.786 ng/ml
Buprenorphine	5.639	6949	2537.3	9.75 Low	71.7	51814	1.933 ng/ml
Bupropion	4.746	216030	36240.4	72.09	5155.1	252469	27.097 ng/ml
Carisoprodol	5.707	87054	∞	62.59	∞	108164	26.694 ng/ml
Citalopram	5.207	186460	72535.8	39.07	634253.0	338098	25.061 ng/ml
Clonazepam	5.589	10197	417.4	34.46	3406.5	8713	24.511 ng/ml
Clonazolam	5.530	19658	6674.0	41.57	519.9	13090	22.938 ng/ml
Cocaine	4.231	199596	46409.0	43.90	151134.5	603830	24.877 ng/ml
Codeine	2.518	24050	14332.5	87.13	∞	46783	28.034 ng/ml
Cyclobenzaprine	5.612	248309	77852.9	10.16	1035.1	325297	24.538 ng/ml
Dextromethorphan	5.246	143742	∞	75.15	185752.2	268633	25.855 ng/ml
Dextrorphan	4.095	176526	7487742.8	46.35	200461.6	331981	25.190 ng/ml
Diazepam	5.939	57843	2074.2	85.30	5507.6	100462	25.071 ng/ml
Dihydrocodeine	2.487	67964	1008.0	65.98	2404.9	151652	26.535 ng/ml
Diphenhydramine	5.272	686144	772921.1	33.72	13513.1	1215551	24.007 ng/ml
Doxylamine	4.492	566951	93291.1	94.75	197226.5	643887	26.414 ng/ml
Duloxetine	5.648	45761	∞	9.29	139.0	5992	24.888 ng/ml
EDDP	5.235	278709	13922.9	42.65	302814.2	536254	24.901 ng/ml
Etizolam	5.797	10030	3523.9	373.89	2191.2	152910	23.351 ng/ml
Fentanyl	5.053	22713	1332.9	133.87	1215.1	398645	2.430 ng/ml
Fluorofentanyl	5.109	21088	12790.9	116.47	56.0	4995	2.295 ng/ml
Fluoxetine	5.705	301767	14736.0	6.32	17484.6	396689	25.542 ng/ml
Hydrocodone	2.971	75014	∞	39.23	741.1	172607	25.802 ng/ml
Hydromorphone	1.552	55600	483341.2	77.64	1474693134 52629.0	74289	24.461 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.687	252226	13510.0	104.16	13849.7	710762	25.517 ng/ml
Ketamine	3.998	138591	19038.9	38.20	160236.3	257198	26.400 ng/ml
Lamotrigine	4.249	13193	33843.7	99.15	986.9	277381	25.189 ng/ml
Lorazepam	5.725	4772	880.3	40.34	34.7	13090	24.198 ng/ml
MDA	3.151	176826	16021.4	31.94	∞	277381	27.177 ng/ml
MDMA	3.247	165247	∞	99.18	15148.8	63024	26.369 ng/ml
Meprobamate	4.871	17649	8818.9	50.55	1027.1	26346	26.884 ng/ml
Methadone	5.647	408680	∞	50.60	5171.3	587553	25.103 ng/ml
Methamphetamine	3.167	416165	∞	37.28	∞	469496	27.596 ng/ml
Metoprolol	4.293	56622	∞	98.52	5421.6	277381	25.372 ng/ml
Mirtazapine	4.570	296202	10266.5	52.61	16314.1	643887	25.520 ng/ml
Mitragynine	5.185	80822	116048.9	28.44	622223.3	710762	25.127 ng/ml
Morphine	1.161	11005	10087.0	17.39	4445.2	5483	26.121 ng/ml
Norbuprenorphine	4.969	1359	158.4	102.16	174.1	8740	2.680 ng/ml
Nordiazepam	5.883	11324	12417.2	61.66	1254.9	14206	26.701 ng/ml
Norfentanyl	4.045	11683	1173.1	29.61	465.0	514663	2.479 ng/ml
Norhydrocodone	3.022	13984	957.2	22.31	347.7	60146	24.211 ng/ml
Noroxycodone	2.859	54338	∞	48.85	∞	72786	25.485 ng/ml
O-desmethyl-tramadol	3.328	405068	61518.9	7.45	5059.4	637223	26.165 ng/ml
O-Desmethylvenlafaxine	4.038	120475	312.6	516.28	40193.4	161475	25.640 ng/ml
Olanzapine	4.348	126225	10132.8	43.41	3071.6	145223	23.724 ng/ml
Oxazepam	5.737	6207	∞	69.98	64.9	13090	22.992 ng/ml
Oxycodone	2.771	120221	49742.9	29.27	∞	193991	26.007 ng/ml
Oxymorphone	1.339	82037	∞	43.48	∞	134671	23.736 ng/ml
Phentermine	3.734	56126	13292.2	11.54	290.5	276168	26.990 ng/ml
Promethazine	5.528	317039	640453.2	39.95	110013.4	628632	24.601 ng/ml
Pseudoephedrine	2.510	421104	∞	17.79	34759.6	710762	25.259 ng/ml
Quetiapine	5.504	300231	73942.0	63.92	16245.3	179354	26.346 ng/ml
Sertraline	5.772	71738	∞	108.83	119706.9	125393	24.676 ng/ml
Temazepam	5.798	56926	58468.5	28.83	183.2	99333	24.421 ng/ml
Tramadol	4.207	392646	∞	4.10	2902.6	768125	26.446 ng/ml
Trazodone	5.016	184585	2813.2	132.61	44708.8	434996	25.949 ng/ml
Venlafaxine	5.013	286055	28470.4	37.73	4685.3	604800	23.992 ng/ml
Xylazine	4.035	24633	52.9	127.48	174.5	164123	26.099 ng/ml
Zolpidem	4.791	375652	14298.3	30.85	3736.4	646218	25.082 ng/ml

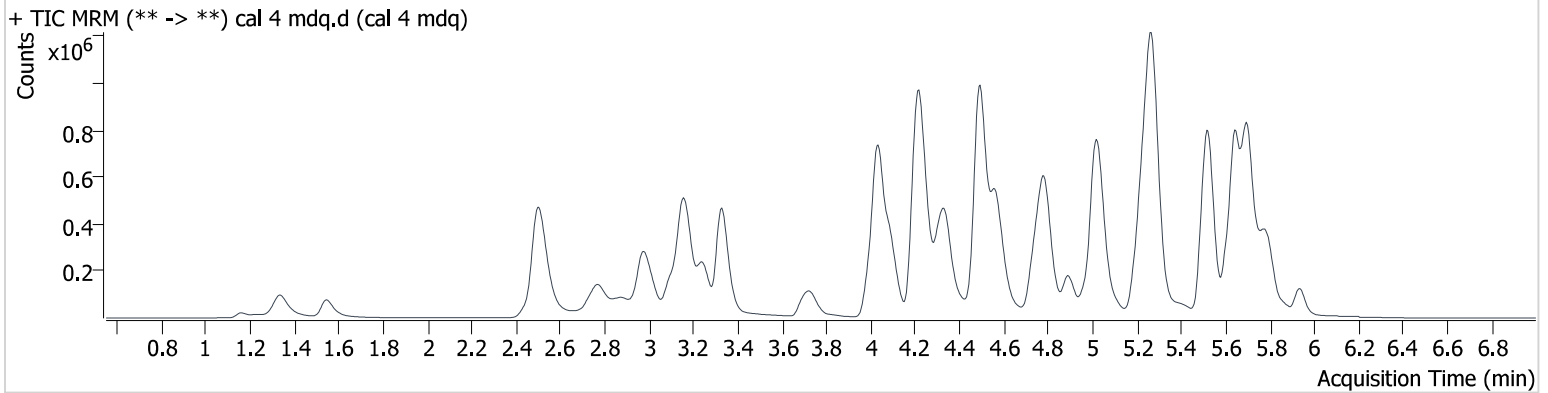
AM #28 Multi-Drug Quant. Results

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Injection Volume 3
Acq. Date-Time 10/5/2023 11:54:16 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	8706	∞	137.56	∞	53836	5.201 ng/ml
7-aminoclonazepam	4.211	75987	7316.1	112.71	3743.5	77751	54.283 ng/ml
a-hydroxyalprazolam	5.672	10362	608.7	59.48	108.3	10495	53.596 ng/ml
alpha-PHP	4.896	153419	12610.5	257.50	85437.9	403407	46.541 ng/ml
alpha-PVP	4.326	479858	∞	57.69	24191.7	403407	49.669 ng/ml
Alprazolam	5.751	183398	3306.3	95.99	∞	149575	48.887 ng/ml
Amphetamine	2.979	233945	126354.9	255.12	6492.3	168315	54.314 ng/ml
Benzoylcegonine	3.832	10649	∞	41.76	576.4	7365	54.023 ng/ml
Bromazolam	5.791	78763	1509.9	96.00	∞	66060	53.875 ng/ml
Buprenorphine	5.639	14323	8179.8	12.91	931.7	53999	4.686 ng/ml
Bupropion	4.746	457042	209073.3	72.49	12780.2	282013	52.049 ng/ml
Carisoprodol	5.707	161158	252706.0	68.88	7508.9	108982	48.966 ng/ml
Citalopram	5.207	401531	16822.2	39.25	244424.6	360326	50.332 ng/ml
Clonazepam	5.584	20467	6336.1	34.89	5743.1	8469	52.171 ng/ml
Clonazolam	5.530	43868	4952.6	40.13	7912.3	13436	50.050 ng/ml
Cocaine	4.231	472233	841750.8	43.35	964599.6	707092	50.224 ng/ml
Codeine	2.513	50788	4148.7	92.10	13898.0	54372	51.589 ng/ml
Cyclobenzaprine	5.612	527140	150929.4	10.51	43008.7	348819	48.498 ng/ml
Dextromethorphan	5.246	303908	∞	74.59	2149026.6	294109	49.564 ng/ml
Dextrorphan	4.095	366163	∞	45.03	253932.9	357177	48.141 ng/ml
Diazepam	5.939	123197	2978.8	84.60	1049.1	109436	49.007 ng/ml
Dihydrocodeine	2.482	153226	1638.4	64.51	6144.6	171650	53.658 ng/ml
Diphenhydramine	5.277	1475572	∞	33.20	20140468.6	1293694	48.055 ng/ml
Doxylamine	4.492	1795704	68670.4	95.32	509707.8	1048525	51.517 ng/ml
Duloxetine	5.648	91558	890.2	8.66	465.5	56960	52.053 ng/ml
EDDP	5.240	647657	57200.9	43.16	545638.3	629619	49.288 ng/ml
Etizolam	5.791	20355	∞	415.18	∞	149575	48.248 ng/ml
Fentanyl	5.053	48416	3754.2	143.06	5272.5	441441	4.666 ng/ml
Fluorofentanyl	5.104	47916	36796.4	111.75	726.5	5233	4.897 ng/ml
Fluoxetine	5.710	599094	∞	6.47	37495.0	403801	49.604 ng/ml
Hydrocodone	2.971	167412	2305.9	39.71	1907.3	192002	51.907 ng/ml
Hydromorphone	1.547	132690	∞	74.96	3872376956 32295.0	86427	49.871 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.687	543199	4904.8	108.28	48038.7	760107	51.682 ng/ml
Ketamine	3.998	307271	∞	36.76	5287.9	289176	52.575 ng/ml
Lamotrigine	4.249	26976	2616.0	98.84	3958.4	274606	51.612 ng/ml
Lorazepam	5.730	9713	1733.5	41.73	91.0	13436	48.453 ng/ml
MDA	3.151	348495	7233.5	30.81	3363.7	274606	54.861 ng/ml
MDMA	3.247	347110	∞	97.71	34365.3	72206	48.365 ng/ml
Meprobamate	4.866	36555	19146.4	47.91	1349.6	28595	51.834 ng/ml
Methadone	5.647	886691	7661888.7	49.29	12905.9	648705	49.233 ng/ml
Methamphetamine	3.167	810727	20127.6	37.49	113630.5	509792	53.354 ng/ml
Metoprolol	4.293	115915	137770.2	93.79	∞	274606	52.436 ng/ml
Mirtazapine	4.570	921021	75213.7	47.79	64185.6	1048525	49.303 ng/ml
Mitragynine	5.185	171532	27537.2	30.20	167926.4	760107	49.674 ng/ml
Morphine	1.161	26044	∞	17.75	∞	6757	50.039 ng/ml
Norbuprenorphine	4.974	2598	138.1	107.70	300.9	8398	5.544 ng/ml
Nordiazepam	5.877	24562	1368.6	56.15	2848.7	16436	49.931 ng/ml
Norfentanyl	4.050	24242	3739.3	29.15	620.3	534682	4.940 ng/ml
Norhydrocodone	3.027	33238	4239760801 9220.8	22.61	∞	68314	49.574 ng/ml
Noroxycodone	2.864	116793	∞	49.68	∞	79489	50.087 ng/ml
O-desmethyl-tramadol	3.328	892542	109712.3	7.23	∞	721394	51.042 ng/ml
O-Desmethylvenlafaxine	4.038	250685	3007.2	526.48	35498.3	166948	51.817 ng/ml
Olanzapine	4.343	503135	10612.3	48.50	27103.6	291817	47.236 ng/ml
Oxazepam	5.737	13471	244.6	76.31	61.7	13436	48.281 ng/ml
Oxycodone	2.771	330072	∞	29.63	∞	271330	51.261 ng/ml
Oxymorphone	1.339	244900	∞	43.27	∞	186923	51.242 ng/ml
Phentermine	3.734	115689	4154.0	11.16	5996.3	292762	53.792 ng/ml
Promethazine	5.528	686379	∞	39.31	6296.4	677911	48.989 ng/ml
Pseudoephedrine	2.510	886280	29393.3	17.73	46499.5	760107	49.703 ng/ml
Quetiapine	5.504	832380	127803.9	63.73	146153.7	253811	51.749 ng/ml
Sertraline	5.772	132268	843181.0	117.84	768612.3	131348	42.968 ng/ml
Temazepam	5.804	115544	3340.4	31.34	343.0	102246	47.609 ng/ml
Tramadol	4.207	844106	∞	4.19	1748.6	819777	53.843 ng/ml
Trazodone	5.016	400125	15733.6	124.49	57665.0	472598	52.488 ng/ml
Venlafaxine	5.018	639850	102444.8	37.30	16504.0	670340	47.449 ng/ml
Xylazine	4.035	53045	151.7	129.40	345.4	179484	52.559 ng/ml
Zolpidem	4.791	919755	1679491.4	29.40	323686.8	784073	50.649 ng/ml

AM #28 Multi-Drug Quant. Results

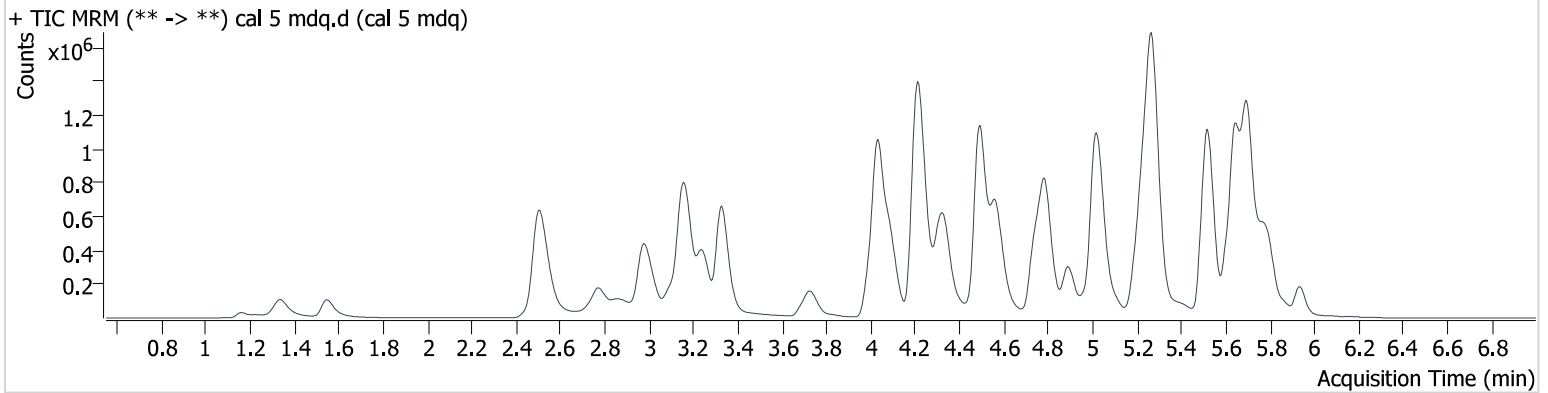
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Sample Position P2-E1
Injection Volume 3
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Sample Info.

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	3.102	15218	54009.2	134.54	38978.2	48352	10.104 ng/ml
7-aminoclonazepam	4.211	120594	16217.8	105.18	6455.8	62375	108.475 ng/ml
a-hydroxyalprazolam	5.672	17804	505.7	59.55	1342.4	8946	107.403 ng/ml
alpha-PHP	4.890	279602	59057.7	254.23	15820.9	347480	97.827 ng/ml
alpha-PVP	4.321	823180	361024.2	57.93	22722.9	347480	98.790 ng/ml
Alprazolam	5.751	347293	∞	94.21	9153.7	138902	99.818 ng/ml
Amphetamine	2.984	401953	∞	262.86	75300.9	150345	106.205 ng/ml
Benzoylcegonine	3.827	20610	∞	40.96	686.8	7454	103.733 ng/ml
Bromazolam	5.791	131691	∞	96.79	∞	60025	99.165 ng/ml
Buprenorphine	5.639	23802	3285.9	16.58	490.1	41528	11.150 ng/ml
Bupropion	4.746	850770	738160.5	70.42	∞	253143	108.811 ng/ml
Carisoprodol	5.707	275512	342269.4	63.28	3267.1	88703	102.743 ng/ml
Citalopram	5.207	711896	36158.4	39.47	∞	316869	101.170 ng/ml
Clonazepam	5.589	39228	11427.9	33.77	508.4	8539	100.481 ng/ml
Clonazolam	5.530	79141	10316.9	42.68	19667.4	10349	117.428 ng/ml
Cocaine	4.231	786320	∞	43.76	∞	590760	100.059 ng/ml
Codeine	2.518	77976	176877.1	90.12	9406.4	41184	105.384 ng/ml
Cyclobenzaprine	5.612	983536	142711.5	9.97	28891.2	306924	102.746 ng/ml
Dextromethorphan	5.246	528116	63642.9	77.86	∞	264280	95.485 ng/ml
Dextrorphan	4.090	683904	∞	45.53	791217.3	321547	99.387 ng/ml
Diazepam	5.939	221335	4899.3	88.00	11192.5	96616	99.715 ng/ml
Dihydrocodeine	2.482	255253	4254.5	64.07	7885.2	144330	107.101 ng/ml
Diphenhydramine	5.272	2623282	252362.7	32.11	197311.0	1163113	94.588 ng/ml
Doxylamine	4.492	2296750	1259191.1	95.39	56011.3	665958	103.895 ng/ml
Duloxetine	5.648	160654	2514.5	7.96	722.7	50333	103.008 ng/ml
EDDP	5.240	1039067	73910.0	42.34	17722.0	487762	102.077 ng/ml
Etizolam	5.797	37465	9599.8	366.28	∞	138902	95.446 ng/ml
Fentanyl	5.053	89122	3566.5	144.41	5696.7	382187	9.907 ng/ml
Fluorofentanyl	5.104	87422	64720.8	113.50	1876.0	5031	9.229 ng/ml
Fluoxetine	5.710	1039290	∞	6.31	55078.7	353948	97.952 ng/ml
Hydrocodone	2.971	285003	11091.6	40.08	8808.1	166999	101.731 ng/ml
Hydromorphone	1.547	235523	∞	70.30	∞	72013	105.907 ng/ml
Hydroxyzine	5.687	952572	40057.7	106.51	137508.8	670542	103.024 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.998	530767	205809.7	37.39	6912.8	255942	103.114 ng/ml
Lamotrigine	4.249	46991	25516.9	98.60	136455.2	234983	104.664 ng/ml
Lorazepam	5.730	17417	550.3	36.70	∞	10349	113.418 ng/ml
MDA	3.146	581777	35070.4	30.23	2041.5	234983	107.753 ng/ml
MDMA	3.242	639521	∞	98.90	∞	64764	99.373 ng/ml
Meprobamate	4.866	69068	27959.5	49.37	837.6	26655	105.667 ng/ml
Methadone	5.647	1583612	1746074.0	50.38	657153.5	577463	98.676 ng/ml
Methamphetamine	3.162	1427799	∞	36.84	∞	478261	104.405 ng/ml
Metoprolol	4.288	207566	474893.0	97.20	∞	234983	109.699 ng/ml
Mirtazapine	4.570	1264198	133730.3	50.29	77175.6	665958	107.279 ng/ml
Mitragynine	5.185	296438	617382.4	29.30	87693.9	670542	97.124 ng/ml
Morphine	1.161	43582	∞	19.31	∞	5919	95.476 ng/ml
Norbuprenorphine	4.969	4582	549.6	109.12	446.5	8495	9.825 ng/ml
Nordiazepam	5.877	42535	17859.1	61.20	3770.9	14690	96.604 ng/ml
Norfentanyl	4.050	40298	1821.6	29.59	1660.6	460151	9.531 ng/ml
Norhydrocodone	3.022	60189	∞	26.83	∞	63462	95.688 ng/ml
Noroxycodone	2.859	201741	∞	50.53	∞	68112	100.895 ng/ml
O-desmethyl-tramadol	3.328	1627615	300770.5	7.13	9345.5	660880	101.723 ng/ml
O-Desmethylvenlafaxine	4.038	435789	1411.2	524.30	41417.0	148180	101.690 ng/ml
Olanzapine	4.343	550188	19865.3	44.00	9355.8	141658	106.631 ng/ml
Oxazepam	5.737	23880	1675.1	65.29	∞	10349	110.723 ng/ml
Oxycodone	2.771	478773	∞	29.49	∞	197977	102.120 ng/ml
Oxymorphone	1.339	324295	∞	43.24	∞	132386	95.953 ng/ml
Phentermine	3.734	204216	3568.4	10.71	2607.5	270401	104.072 ng/ml
Promethazine	5.528	1210284	265903.8	39.91	223549.2	598528	97.444 ng/ml
Pseudoephedrine	2.510	1575265	∞	18.01	∞	670542	100.134 ng/ml
Quetiapine	5.504	1230929	∞	60.29	109918.7	187330	103.826 ng/ml
Sertraline	5.772	244796	504381.1	109.35	∞	107315	96.555 ng/ml
Temazepam	5.798	202100	∞	30.34	1287.4	83603	101.205 ng/ml
Tramadol	4.207	1520094	∞	4.17	∞	766433	104.235 ng/ml
Trazodone	5.016	723939	73584.2	129.97	90384.2	428875	105.360 ng/ml
Venlafaxine	5.013	1158833	51424.1	37.89	6429.9	608324	93.748 ng/ml
Xylazine	4.035	91514	501.0	135.93	985.5	158785	103.641 ng/ml
Zolpidem	4.791	1528223	100247.9	30.19	22632.3	647800	101.894 ng/ml

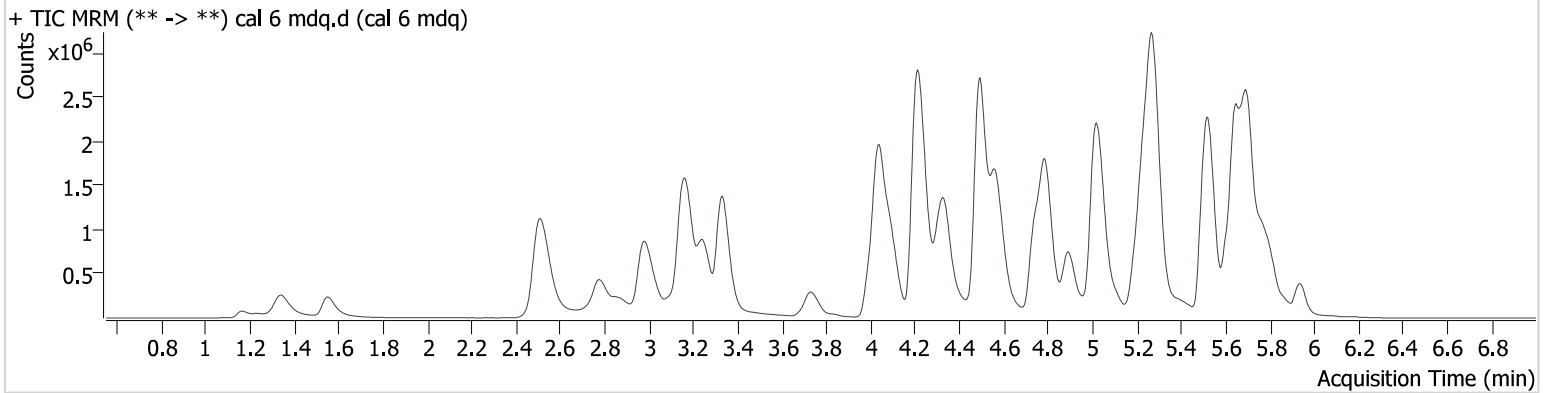
AM #28 Multi-Drug Quant. Results

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Calibration Last Update 10/5/2023 5:03:01 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 72723.m
Sample Position P2-F1
Injection Volume 3
Acq. Date-Time 10/5/2023 12:11:40 PM
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	3.102	35777	74898.4	140.08	417529.4	47010	24.408 ng/ml
7-aminoclonazepam	4.206	214167	9809.6	109.39	4000.5	51329	235.391 ng/ml
a-hydroxyalprazolam	5.678	35637	242.0	62.59	915.5	7521	254.875 ng/ml
alpha-PHP	4.896	706309	26958.9	257.83	28162.6	349310	244.954 ng/ml
alpha-PVP	4.321	2099103	365871.7	54.93	∞	349310	250.393 ng/ml
Alprazolam	5.751	764465	∞	92.99	∞	116964	261.135 ng/ml
Amphetamine	2.984	822842	64804.1	256.28	126408.0	143602	229.764 ng/ml
Benzoylcgonine	3.832	54795	109700.2	41.73	1723.5	7918	260.349 ng/ml
Bromazolam	5.791	286652	∞	93.38	∞	49457	262.030 ng/ml
Buprenorphine	5.644	48952	1340.6	14.52	2142.1	38032	26.139 ng/ml
Bupropion	4.746	2120623	372147.9	69.69	81901.2	281526	244.887 ng/ml
Carisoprodol	5.707	529655	∞	64.70	50947.5	71269	245.699 ng/ml
Citalopram	5.207	1565642	334562.4	41.02	∞	283763	248.023 ng/ml
Clonazepam	5.584	101530	24221.8	33.85	21948.6	9423	237.627 ng/ml
Clonazolam	5.530	194298	19405.3	36.68	9717.5	10872	274.654 ng/ml
Cocaine	4.231	1855924	125585.0	43.56	2810441.3	557857	250.037 ng/ml
Codeine	2.523	169296	24456.6	89.72	12314.4	38087	248.479 ng/ml
Cyclobenzaprine	5.612	2194755	311474.6	10.38	13358.1	292941	240.110 ng/ml
Dextromethorphan	5.246	1247543	128411.0	74.99	504996.4	229243	259.359 ng/ml
Dextrorphan	4.095	1625235	369084.6	45.20	2298135.4	309095	245.026 ng/ml
Diazepam	5.939	545922	15566.9	85.49	27644.7	94705	250.887 ng/ml
Dihydrocodeine	2.482	573294	4958.2	64.53	1491.5	146552	237.883 ng/ml
Diphenhydramine	5.277	6128056	1014041.5	32.54	314066.5	1059820	241.801 ng/ml
Doxylamine	4.492	5828037	655688.3	94.78	239195.0	707120	248.499 ng/ml
Duloxetine	5.648	293753	6973.0	9.61	∞	39101	241.975 ng/ml
EDDP	5.240	2661690	306964.3	42.38	32234.9	515307	247.509 ng/ml
Etizolam	5.797	83480	6950.7	377.10	17011.1	116964	252.257 ng/ml
Fentanyl	5.053	225428	4382.4	149.41	34286.6	389863	24.546 ng/ml
Fluorofentanyl	5.104	244388	189464.9	111.81	280.9	5137	25.146 ng/ml
Fluoxetine	5.710	2114630	925346.8	6.48	170193.6	287978	244.623 ng/ml
Hydrocodone	2.971	728146	∞	40.40	∞	173620	250.201 ng/ml
Hydromorphone	1.552	594453	∞	72.09	1146215994 89653.0	78022	246.329 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.687	2137901	298959.5	108.83	62430.3	602280	257.865 ng/ml
Ketamine	3.998	1177603	30859.7	38.11	25341.3	243085	241.586 ng/ml
Lamotrigine	4.254	91518	166012.0	95.54	777706.8	190860	250.423 ng/ml
Lorazepam	5.730	39815	7792.9	41.41	∞	10872	247.375 ng/ml
MDA	3.141	1092615	104921.2	30.03	∞	190860	250.153 ng/ml
MDMA	3.247	1519802	536135.8	98.26	184971.1	62319	245.453 ng/ml
Meprobamate	4.866	172371	91405.0	47.51	10186.0	28312	249.063 ng/ml
Methadone	5.647	4094987	411928.6	48.04	∞	585621	251.450 ng/ml
Methamphetamine	3.167	3202538	107816.6	37.89	58406.7	499243	229.898 ng/ml
Metoprolol	4.288	419273	1289219.5	98.08	∞	190860	272.771 ng/ml
Mirtazapine	4.570	3176120	4043977.4	50.50	161149.3	707120	254.695 ng/ml
Mitragynine	5.180	747885	977695.3	32.18	11455616.6	602280	272.453 ng/ml
Morphine	1.166	116585	∞	18.67	∞	6179	244.442 ng/ml
Norbuprenorphine	4.969	11249	1018.6	105.46	996.7	7979	26.030 ng/ml
Nordiazepam	5.877	111486	13620.7	59.91	9200.7	14413	257.834 ng/ml
Norfentanyl	4.050	78939	4812.4	27.85	1989.2	343977	24.956 ng/ml
Norhydrocodone	3.027	151690	∞	26.81	∞	60416	251.670 ng/ml
Noroxycodone	2.864	444955	∞	50.95	∞	61441	246.586 ng/ml
O-desmethyl-tramadol	3.334	4176393	418347.6	7.05	56461.1	696721	247.766 ng/ml
O-Desmethylvenlafaxine	4.038	960487	6544.7	521.89	91491.9	135610	245.197 ng/ml
Olanzapine	4.343	1427336	59442.4	44.48	17047.7	149124	263.041 ng/ml
Oxazepam	5.732	57857	18007.7	67.59	4499.8	10872	254.978 ng/ml
Oxycodone	2.776	1380037	∞	28.90	∞	234907	248.392 ng/ml
Oxymorphone	1.339	1008167	∞	42.75	∞	155066	254.943 ng/ml
Phentermine	3.734	462898	∞	10.59	2592.0	265870	241.734 ng/ml
Promethazine	5.533	3009934	379135.1	39.24	30348.6	591465	244.634 ng/ml
Pseudoephedrine	2.515	3536594	∞	17.56	28032.9	602280	250.279 ng/ml
Quetiapine	5.498	2874011	1231186.3	61.13	157855.1	183120	248.185 ng/ml
Sertraline	5.772	463991	239562.1	109.66	383673.8	79036	247.531 ng/ml
Temazepam	5.804	411602	34924.0	32.11	1631.6	69944	245.560 ng/ml
Tramadol	4.207	3600588	∞	4.14	∞	774508	245.083 ng/ml
Trazodone	5.016	1644305	403025.9	125.39	12188.5	439455	234.417 ng/ml
Venlafaxine	5.013	3093395	149289.2	36.32	139266.5	614834	246.038 ng/ml
Xylazine	4.035	226930	1486.9	131.16	5109.8	156793	262.087 ng/ml
Zolpidem	4.793	3876208	135043.9	30.69	270922.0	663511	252.378 ng/ml

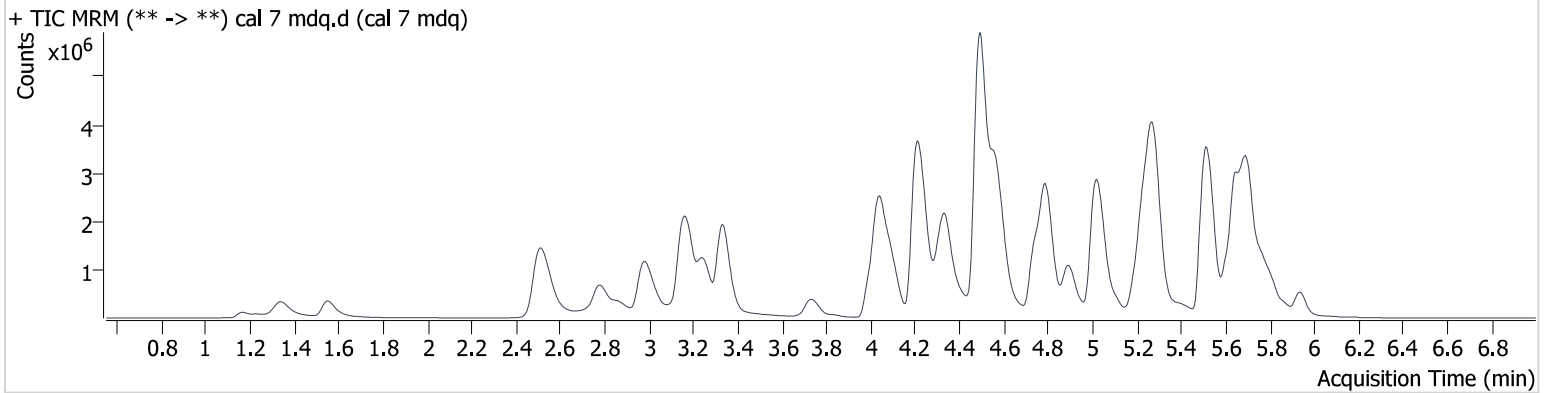
AM #28 Multi-Drug Quant. Results

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Sample Position P2-G1
Injection Volume 3
Acq. Date-Time 10/5/2023 12:20:22 PM
Sample Info.

Data File cal 7 mdq.d
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	3.102	54684	143206.0	138.43	∞	35518	49.359 ng/ml
7-aminoclonazepam	4.206	402101	72838.3	117.54	58111.2	55604	408.792 ng/ml
a-hydroxyalprazolam	5.672	43780	205.4	58.97	480.8	5167	455.260 ng/ml
alpha-PHP	4.896	1059173	23046.7	255.91	69946.8	253607	505.335 ng/ml
alpha-PVP	4.321	3040245	142094.2	56.46	207035.5	253607	499.383 ng/ml
Alprazolam	5.751	1063931	∞	90.68	∞	84795	501.424 ng/ml
Amphetamine	2.989	1122280	170904.6	251.39	160929.1	106097	425.741 ng/ml
Benzoylcegonine	3.832	98275	∞	40.63	2290.7	7289	507.636 ng/ml
Bromazolam	5.786	370990	∞	96.12	∞	35538	471.980 ng/ml
Buprenorphine	5.639	50980	2472.2	14.44	1044.5	20581	51.122 ng/ml
Bupropion	4.746	3054781	361664.1	69.43	698257.6	202673	490.823 ng/ml
Carisoprodol	5.712	599554	113566.4	64.92	6984.7	40582	488.345 ng/ml
Citalopram	5.202	1966777	99995.9	40.64	58686.4	174977	504.965 ng/ml
Clonazepam	5.584	124869	41701.5	35.98	5890.5	5300	521.351 ng/ml
Clonazolam	5.536	183027	566.3	38.70	889.9	6963	404.002 ng/ml
Cocaine	4.231	2924381	91956.5	43.66	1171082.8	437331	502.525 ng/ml
Codeine	2.523	236711	28061.0	94.36	∞	28284	468.539 ng/ml
Cyclobenzaprine	5.612	2940914	406943.9	9.59	34544.2	189009	498.570 ng/ml
Dextromethorphan	5.246	1605133	74326.9	74.69	∞	151324	505.153 ng/ml
Dextrorphan	4.095	2361839	923031.2	44.58	541518.8	219896	500.042 ng/ml
Diazepam	5.939	807230	17502.1	85.27	∞	69505	505.469 ng/ml
Dihydrocodeine	2.482	845680	897.9	65.85	361.6	120801	426.347 ng/ml
Diphenhydramine	5.283	8251957	911433.5	31.93	∞	706137	488.238 ng/ml
Doxylamine	4.492	13445702	938395.1	96.20	478646.1	836796	484.604 ng/ml
Duloxetine	5.648	360584	5439.0	9.01	2172.6	22992	504.732 ng/ml
EDDP	5.240	4354023	237500.0	43.13	4156243.0	441126	472.967 ng/ml
Etizolam	5.797	122560	∞	380.40	10574.2	84795	510.663 ng/ml
Fentanyl	5.058	320120	152226.2	145.07	34203.7	266066	51.062 ng/ml
Fluorofentanyl	5.104	351118	571379.5	113.50	7961.9	3455	53.639 ng/ml
Fluoxetine	5.710	2447393	46220.3	6.38	84346.5	157397	517.751 ng/ml
Hydrocodone	2.971	1135911	∞	40.59	∞	137303	493.689 ng/ml
Hydromorphone	1.552	957431	∞	71.77	∞	63554	486.770 ng/ml
Hydroxyzine	5.687	3117117	9764.1	108.28	∞	434759	521.140 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.993	1761795	265115.5	37.87	37161.2	193624	454.226 ng/ml
Lamotrigine	4.254	112724	106125.9	94.23	∞	128859	456.539 ng/ml
Lorazepam	5.730	51530	5717.3	42.20	7270.2	6963	500.335 ng/ml
MDA	3.141	1388697	68600.2	29.94	17182.9	128859	471.591 ng/ml
MDMA	3.247	2243456	284357.0	96.96	∞	44475	507.727 ng/ml
Meprobamate	4.866	227235	21439.2	45.00	9368.2	18545	501.857 ng/ml
Methadone	5.647	5360174	∞	47.58	137664.8	391748	491.930 ng/ml
Methamphetamine	3.167	4575419	∞	37.81	∞	396734	417.180 ng/ml
Metoprolol	4.288	487687	3590613.3	97.71	∞	128859	469.918 ng/ml
Mirtazapine	4.570	6581854	491948.7	50.27	253912.6	836796	446.483 ng/ml
Mitragynine	5.185	945005	1860308.8	32.59	158829.0	434759	476.768 ng/ml
Morphine	1.166	200379	2594029.5	17.87	∞	4722	549.564 ng/ml
Norbuprenorphine	4.974	14916	1778.5	105.63	1409.6	5801	47.644 ng/ml
Nordiazepam	5.877	172402	18993.4	62.37	67814.3	10997	522.408 ng/ml
Norfentanyl	4.056	102760	565576.8	28.55	3998.7	223780	49.924 ng/ml
Norhydrocodone	3.033	225247	∞	27.58	∞	43764	514.849 ng/ml
Noroxycodone	2.864	691029	∞	49.19	∞	45215	520.306 ng/ml
O-desmethyl-tramadol	3.335	6458545	226847.7	6.96	637364.1	540598	493.931 ng/ml
O-Desmethylvenlafaxine	4.043	1328230	603.1	521.48	50671.7	93965	489.567 ng/ml
Olanzapine	4.343	3885533	87407.2	43.93	48068.5	202962	526.296 ng/ml
Oxazepam	5.737	70753	47885.5	73.78	2124.0	6963	486.543 ng/ml
Oxycodone	2.776	2333606	∞	28.94	∞	196189	503.139 ng/ml
Oxymorphone	1.339	1462344	∞	42.49	∞	111561	514.171 ng/ml
Phentermine	3.739	728210	∞	9.33	3495.1	205516	493.402 ng/ml
Promethazine	5.533	4042268	7434957.1	38.44	59965.7	383968	505.657 ng/ml
Pseudoephedrine	2.515	5001780	∞	18.13	∞	434759	490.350 ng/ml
Quetiapine	5.498	5821392	480524.3	60.03	1135136.3	181344	507.777 ng/ml
Sertraline	5.767	497968	268346.0	108.19	567908.3	40606	516.410 ng/ml
Temazepam	5.809	492850	19558.3	31.19	16228.4	41017	500.818 ng/ml
Tramadol	4.202	4834284	∞	4.07	∞	561219	454.597 ng/ml
Trazodone	5.016	2267667	275921.4	123.82	163678.5	316667	449.295 ng/ml
Venlafaxine	5.018	4468789	199335.2	36.04	41060.2	438897	496.935 ng/ml
Xylazine	4.035	314131	1454.4	135.59	826.7	114158	499.379 ng/ml
Zolpidem	4.791	6728654	∞	30.86	∞	591407	491.545 ng/ml

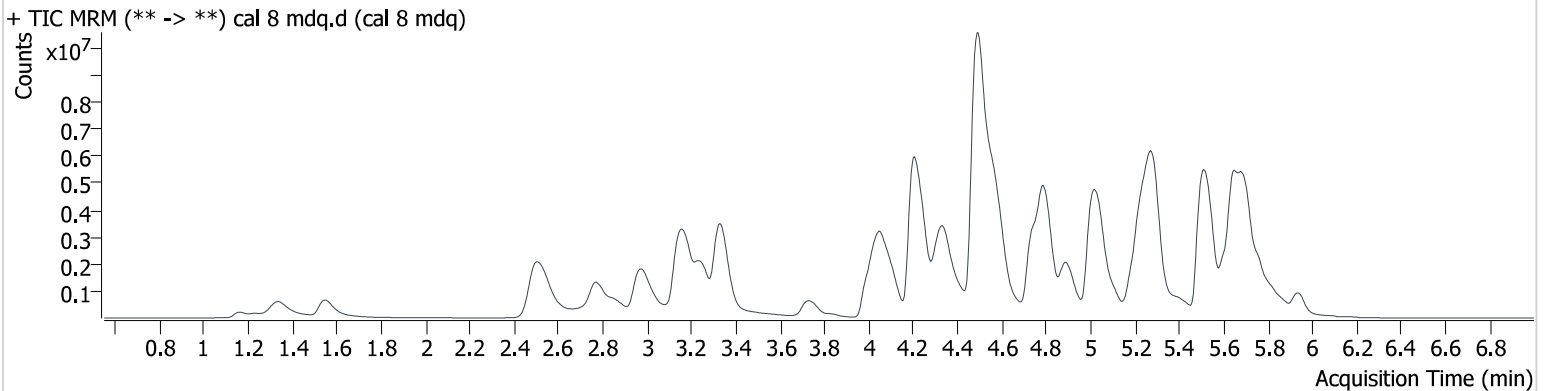
AM #28 Multi-Drug Quant. Results

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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	3.097	103115	262006.8	140.81	872340.0	35069	94.250 ng/ml
7-aminoclonazepam	4.201	407867	34319.2	112.33	61292.4	36193	637.659 ng/ml
a-hydroxyalprazolam	5.683	51385	491.4	67.88	3003.1	2865	962.909 ng/ml
alpha-PPH	4.896	2134906	202570.0	260.40	274541.6	230565	1119.660 ng/ml
alpha-PVP	4.316	5601136	1278332.7	55.11	575301.3	230565	1011.840 ng/ml
Alprazolam	5.751	1581000	∞	88.40	∞	62541	1010.379 ng/ml
Amphetamine	2.984	1743824	153629.1	233.46	185655.3	112747	623.372 ng/ml
Benzoylcegonine	3.832	234369	∞	41.92	45381.2	9042	976.355 ng/ml
Bromazolam	5.791	505230	∞	95.21	3131.9	25957	880.025 ng/ml
Buprenorphine	5.644	59675	8106.5	15.15	3302.6	14098	87.985 ng/ml
Bupropion	4.741	6148080	1776701.8	68.82	∞	238795	838.985 ng/ml
Carisoprodol	5.712	713154	3346042.5	63.06	34789.0	23812	989.873 ng/ml
Citalopram	5.197	2902311	∞	42.66	∞	135390	962.769 ng/ml
Clonazepam	5.579	253063	40509.2	34.02	2246.4	5733	978.113 ng/ml
Clonazolam	5.541	315056	2184.7	38.01	696.2	7730	626.538 ng/ml
Cocaine	4.236	4879753	555055.0	43.28	15730670.9	369078	993.567 ng/ml
Codeine	2.518	377893	47011.9	94.05	∞	23899	885.942 ng/ml
Cyclobenzaprine	5.607	5032778	8158617.5	10.44	149772.5	153868	1047.970 ng/ml
Dextromethorphan	5.246	2629161	137159.7	75.48	154933.8	125656	996.071 ng/ml
Dextrorphan	4.100	4267396	37384287.1	45.97	201998.5	197207	1006.966 ng/ml
Diazepam	5.939	1486882	11796.5	84.93	23659.4	63260	1022.941 ng/ml
Dihydrocodeine	2.467	1532696	710.8	65.41	27932.3	135807	687.823 ng/ml
Diphenhydramine	5.288	14819230	2456240.6	31.01	1756365.8	516443	1198.208 ng/ml
Doxylamine	4.487	26307062	3338112.0	97.77	549969.5	867556	914.663 ng/ml
Duloxetine	5.648	368352	23708.7	9.52	719.9	12272	965.709 ng/ml
EDDP	5.235	9184467	579510.5	40.17	13361157.1	407202	1080.811 ng/ml
Etizolam	5.797	207039	13853.9	366.89	17201.9	62541	1169.377 ng/ml
Fentanyl	5.058	711770	124153.1	155.28	172542.9	268197	112.617 ng/ml
Fluorofentanyl	5.104	988201	430134.0	107.57	834708.2	4708	110.706 ng/ml
Fluoxetine	5.710	3917693	1788010.5	6.55	687675.2	127763	1020.814 ng/ml
Hydrocodone	2.966	2333637	∞	41.27	∞	147740	942.718 ng/ml
Hydromorphone	1.547	2040379	∞	72.45	∞	63147	1043.700 ng/ml
Hydroxyzine	5.687	4493933	274529.9	110.83	256746.2	375791	869.416 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Ketamine	3.988	2764427	∞	38.22	129352.6	189506	728.536 ng/ml
Lamotrigine	4.259	122868	∞	94.27	50898.2	95372	672.174 ng/ml
Lorazepam	5.730	116818	8439.8	41.45	7366.3	7730	1022.236 ng/ml
MDA	3.125	1755385	95466.5	29.73	63322.7	95372	805.970 ng/ml
MDMA	3.247	4025938	248820.5	94.28	1030539.2	40914	990.454 ng/ml
Meprobamate	4.860	425718	65718.4	42.94	35475.2	21495	811.558 ng/ml
Methadone	5.647	11507163	373698.7	45.28	133597.9	403008	1026.451 ng/ml
Methamphetamine	3.162	8268426	7897531978 381940.0	37.75	258254.0	481373	623.715 ng/ml
Metoprolol	4.283	656920	761753.1	101.13	∞	95372	855.220 ng/ml
Mirtazapine	4.570	11466886	∞	50.03	535955.6	867556	750.709 ng/ml
Mitragynine	5.175	2280828	177123.0	33.41	1576066.2	375791	1330.927 ng/ml
Morphine	1.161	368307	∞	18.35	1174279.1	5105	934.313 ng/ml
Norbuprenorphine	4.969	30146	16743.1	102.08	38291.2	5547	100.944 ng/ml
Nordiazepam	5.877	321075	330207.6	66.27	25432.2	11385	939.677 ng/ml
Norfentanyl	4.056	106806	176848.8	29.24	3359.9	108470	107.039 ng/ml
Norhydrocodone	3.027	428112	∞	29.39	∞	40409	1058.731 ng/ml
Noroxycodone	2.854	1350017	∞	47.10	∞	47983	957.773 ng/ml
O-desmethyl-tramadol	3.332	13622322	467977.0	6.69	290313.1	590735	953.490 ng/ml
O-Desmethylvenlafaxine	4.048	1788739	5819.3	520.48	262424.8	64335	963.146 ng/ml
Olanzapine	4.343	6166664	160039.6	44.64	94676.9	181930	931.976 ng/ml
Oxazepam	5.737	158026	10562.8	70.06	313880.9	7730	978.597 ng/ml
Oxycodone	2.766	4881654	∞	28.89	∞	220509	936.619 ng/ml
Oxymorphone	1.334	3013372	∞	42.81	∞	116335	1016.208 ng/ml
Phentermine	3.734	1406622	∞	8.81	10130.9	231043	848.760 ng/ml
Promethazine	5.533	8570844	345170.5	36.88	553780.4	383987	1071.649 ng/ml
Pseudoephedrine	2.510	8953428	∞	17.37	∞	375791	1015.478 ng/ml
Quetiapine	5.493	8892356	6615444.6	58.76	936350.0	160882	874.395 ng/ml
Sertraline	5.767	910975	489395.5	104.41	∞	33018	1161.035 ng/ml
Temazepam	5.809	823703	83128.5	32.06	2469.0	31608	1085.511 ng/ml
Tramadol	4.202	9248725	∞	3.89	∞	521535	936.491 ng/ml
Trazodone	5.016	3644285	336163.4	133.13	306385.8	355929	642.706 ng/ml
Venlafaxine	5.013	9719850	3355797.5	35.28	∞	466474	1015.963 ng/ml
Xylazine	4.035	638634	2838.2	134.21	4781.8	118142	982.173 ng/ml
Zolpidem	4.791	13330155	5583342.9	30.43	2058953.3	592080	972.728 ng/ml