


REVIEWED


















By Sarah Collins at 8:57 am, Jul 13, 2022



REVIEWED

By Brittany Wylie at 9:58 am, Jul 16, 2022

Worklist: 6028

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2022-1315	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2022-1373	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1389	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1413	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1421	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1422	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1423	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1426	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1427	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1442	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1462	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1464	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1471	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1484	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1491	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1517	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2022-1518	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 7/8/22

Analyst: Anne Nord

Plate lot#: 220324

Plate re-test: 9/24/22

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

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

Blank Blood Lot: 22B52016-3 **Urine Blank lot:** 21522

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.
- 3. Create worklist:

Analytic:

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

Curve limits: Lorazepam 5-500

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

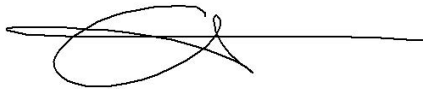
Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager

Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022



	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	1427-2	1471-2							1315-1	
B	IS + Cal. 2	IS + QC_2	1413-1	1484-1								
C	IS + Cal. 3	IS + QC 3	1442-2	1491-1							negative urine	
D	IS + Cal. 4	IS + QC_4	1421-1	1517-1								
E	IS + Cal. 5	Urine QC 2	1462-3	1518-1								
F	IS + Cal. 6	negative blood	1422-1	1423-1								
G	IS + Cal. 7	1389-2	1464-1									
H	IS + Cal. 8	1373-1	1426-1									

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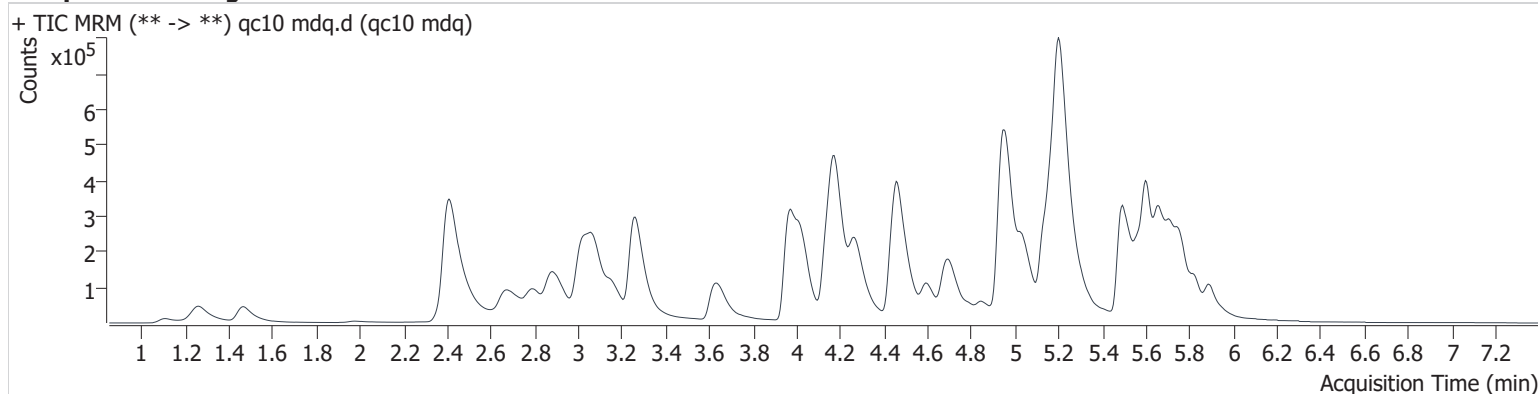
c2022-__-__

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File qc10 mdq.d
Type QC Sample qc10 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-A2 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 6:15:47 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.033	2391	2813.3	149.0	∞	60935	1.020 ng/ml
7-aminoclonazepam	4.192	44957	1182.3	71.8	923.9	165843	10.111 ng/ml
a-hydroxyalprazolam	5.633	6940	2688.9	59.2	2780.5	397620	9.822 ng/ml
alpha-PHP	4.851	44616	1105.5	252.5	∞	546300	10.133 ng/ml
alpha-PVP	4.282	150643	10511.1	53.0	2002.4	546300	10.113 ng/ml
Alprazolam	5.718	72858	2713.0	90.2	522.1	252229	10.022 ng/ml
Amphetamine	2.879	101079	1811.7	258.5	3200.2	394868	10.315 ng/ml
Benzoylcegonine	3.790	3128	1250.2	53.2	78.8	9318	11.281 ng/ml
Buprenorphine	5.835	6148	31.4	15.2	28.7	97855	0.952 ng/ml
Bupropion	4.706	127713	8684.6	70.2	1184.4	624802	9.671 ng/ml
Carisoprodol	5.678	33594	10568017.2	71.7	345.9	160092	10.013 ng/ml
Citalopram	5.141	106339	1597.7	39.4	1622.9	472367	9.990 ng/ml
Clonazepam	5.560	32753	50027.4	35.7	26323.7	61369	9.774 ng/ml
Clonazepam	5.501	40943	32492.6	38.3	3167.2	397620	9.315 ng/ml
Cocaine	4.181	111163	11790.4	49.7	1902.7	875527	10.096 ng/ml
Codeine	2.453	17810	9003.8	88.5	1171.1	79070	10.334 ng/ml
Cyclobenzaprine	5.573	122160	1430.5	8.4	∞	351046	10.264 ng/ml
Dextromethorphan	5.179	78562	2668.3	76.0	664.7	312657	10.755 ng/ml
Dextrophan	4.028	97254	2545.8	45.2	3873.7	455641	10.560 ng/ml
Diazepam	5.896	43852	1427.0	85.7	5536.0	192569	10.358 ng/ml
Dihydrocodeine	2.422	43213	235.9	60.0	143.0	244764	10.368 ng/ml
Diphenhydramine	5.211	336149	2438.1	31.5	2912.1	1757589	10.700 ng/ml
Doxylamine	4.467	388691	5919.3	75.1	4902.6	1428155	10.086 ng/ml
EDDP	5.179	169236	3276.6	43.4	5148.9	858694	9.820 ng/ml
Etizolam	5.764	30427	15866.4	26.5	2107.6	192569	10.012 ng/ml
Fentanyl	5.058	11525	2354.0	112.3	7912.7	571513	0.987 ng/ml
Flualprazolam	5.654	31097	∞	97.0	412.4	252229	9.985 ng/ml
Fluoxetine	5.665	109306	1487.2	6.8	11814.9	387918	10.287 ng/ml
Hydrocodone	2.912	45290	420.2	36.3	511.8	261234	9.456 ng/ml
Hydromorphone	1.473	42628	883.1	71.6	293.6	130944	10.141 ng/ml
Ketamine	3.987	103300	9439.2	38.8	1116.9	486212	10.169 ng/ml
Lamotrigine	4.188	9981	∞	90.3	14390.2	334318	10.237 ng/ml
Levetiracetam	2.501	17955	927.9	162.3	942.3	130944	9.334 ng/ml

AM #28 Multi-Drug Quant. Results

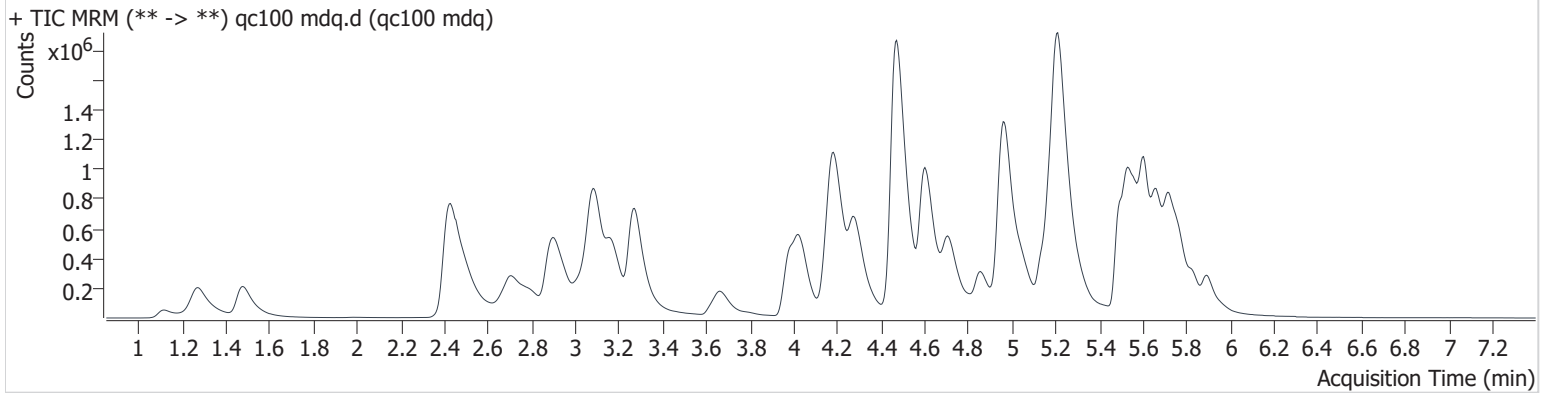
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.696	17008	∞	50.7	∞	189980	9.983 ng/ml
MDA	3.057	133703	3547.3	28.0	∞	334318	10.850 ng/ml
MDMA	3.164	100406	58725.5	97.1	2139.5	88702	10.686 ng/ml
Meprobamate	4.826	21870	467.5	33.3	239.5	67836	9.564 ng/ml
Methadone	5.608	187573	10458.0	56.3	1133.7	826015	9.926 ng/ml
Methamphetamine	3.084	258135	106.8	39.8	106.1	849596	10.295 ng/ml
Metoprolol	4.244	25859	3142.9	95.0	∞	1399672	10.774 ng/ml
Mirtazapine	4.602	253925	7634.2	47.6	3228.0	826015	10.868 ng/ml
Mitragynine	5.197	41224	13460.4	30.6	5833.9	1399672	10.733 ng/ml
Morphine	1.112	7950	968.2	25.8	95.5	12373	9.969 ng/ml
Norbuprenorphine	4.921	814	130.8	97.0	465.0	19225	0.953 ng/ml
Nordiazepam	5.840	32939	13060.7	64.5	163714.7	120924	9.821 ng/ml
Norfentanyl	3.987	3113	22207.6	275.3	1003.1	957760	0.981 ng/ml
Norhydrocodone	2.943	3005	363.5	24.3	99.1	60424	9.571 ng/ml
Noroxycodone	2.768	34477	224.1	44.2	823.5	117119	10.185 ng/ml
O-desmethyl-tramadol	3.266	246406	7369.7	6.6	2119.2	1126357	10.020 ng/ml
Oxazepam	5.698	34908	650.9	74.9	638.4	189980	9.578 ng/ml
Oxycodone	2.696	104664	1200.7	28.3	475.7	409387	10.271 ng/ml
Oxymorphone	1.265	62151	∞	44.3	∞	219482	10.123 ng/ml
Phentermine	3.663	37559	195.5	11.1	140.3	507746	8.951 ng/ml
Promethazine	5.488	177097	4252.1	40.4	992.8	856217	10.012 ng/ml
Pseudoephedrine	2.420	284068	1705.1	16.5	2977.8	1399672	9.956 ng/ml
Quetiapine	5.532	129264	423965.1	60.3	67293.5	219846	9.448 ng/ml
Sertraline	5.729	31438	3188.1	104.6	2204.9	125062	10.309 ng/ml
Temazepam	5.766	83214	∞	28.8	∞	397620	9.676 ng/ml
Tramadol	4.162	245510	1413.7	3.2	158.4	1084190	10.037 ng/ml
Trazodone	5.208	147365	2256.6	76.4	793.9	634593	10.414 ng/ml
Venlafaxine	4.955	166973	1440.3	36.1	1271.9	1135423	10.325 ng/ml
Zolpidem	4.964	261190	6632.8	28.2	2924.5	1200947	10.249 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File qc100 mdq.d
Type QC Sample qc100 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-B2 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 10:55:07 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.044	21230	45672.0	135.4	15291.7	52260	10.294 ng/ml
7-aminoclonazepam	4.197	584951	8546.3	71.8	17336.5	214555	97.947 ng/ml
a-hydroxyalprazolam	5.638	49673	839.4	53.9	∞	210780	155.736 ng/ml
alpha-PHP	4.857	329030	5280.3	249.9	8756.5	436885	91.777 ng/ml
alpha-PVP	4.287	1195278	101964.2	53.6	14602.3	436885	99.388 ng/ml
Alprazolam	5.718	672422	∞	89.6	∞	228684	101.183 ng/ml
Amphetamine	2.895	729271	7822.4	245.0	21963.2	291281	106.850 ng/ml
Benzoylcegonine	3.800	32845	28590.1	56.1	1042.8	11051	95.229 ng/ml
Buprenorphine	5.835	43809	2409.8	15.4	122.6	66224	10.137 ng/ml
Bupropion	4.717	936011	∞	71.9	11122.5	449371	96.659 ng/ml
Carisoprodol	5.678	206419	471973.8	67.2	∞	96709	100.936 ng/ml
Citalopram	5.146	748970	16836.3	38.7	104067.7	326533	100.549 ng/ml
Clonazepam	5.560	160251	4005.6	34.3	12193.6	29876	102.467 ng/ml
Clonazepam	5.501	220911	∞	38.7	∞	210780	92.673 ng/ml
Cocaine	4.186	1030675	3158698.8	49.6	1117543.1	813530	100.316 ng/ml
Codeine	2.468	152008	∞	90.2	10663.0	67745	101.155 ng/ml
Cyclobenzaprine	5.578	948617	1863120.4	8.7	∞	281818	98.692 ng/ml
Dextromethorphan	5.189	559416	7699.7	73.2	340988.1	229059	101.200 ng/ml
Dextrorphan	4.038	750754	∞	44.5	∞	353830	99.813 ng/ml
Diazepam	5.896	356913	∞	85.9	1827.2	155378	104.256 ng/ml
Dihydrocodeine	2.427	402442	2012.2	60.9	1090.4	226627	108.989 ng/ml
Diphenhydramine	5.216	2409849	36152.5	32.3	308232.2	1251543	105.808 ng/ml
Doxylamine	4.472	4712949	209991.9	76.5	211643.0	1741330	99.149 ng/ml
EDDP	5.184	1408971	563240.2	44.3	259929.1	712667	97.073 ng/ml
Etizolam	5.764	263313	2711.2	25.2	694.4	155378	115.473 ng/ml
Fentanyl	5.058	92942	84185.5	107.6	48720.8	443868	10.172 ng/ml
Flualprazolam	5.654	226263	∞	91.6	485.2	228684	82.820 ng/ml
Fluoxetine	5.660	893669	937442.6	6.9	34397.0	316506	101.329 ng/ml
Hydrocodone	2.917	353396	2784.9	38.7	∞	205320	99.025 ng/ml
Hydromorphone	1.478	478556	2561.5	72.4	948.8	149343	99.802 ng/ml
Ketamine	3.997	827528	50939.0	38.2	4230.6	404073	102.311 ng/ml
Lamotrigine	4.204	74376	4564.0	89.3	∞	245388	93.922 ng/ml
Levetiracetam	2.511	150843	20363.8	155.5	3632.5	149343	75.447 ng/ml

AM #28 Multi-Drug Quant. Results

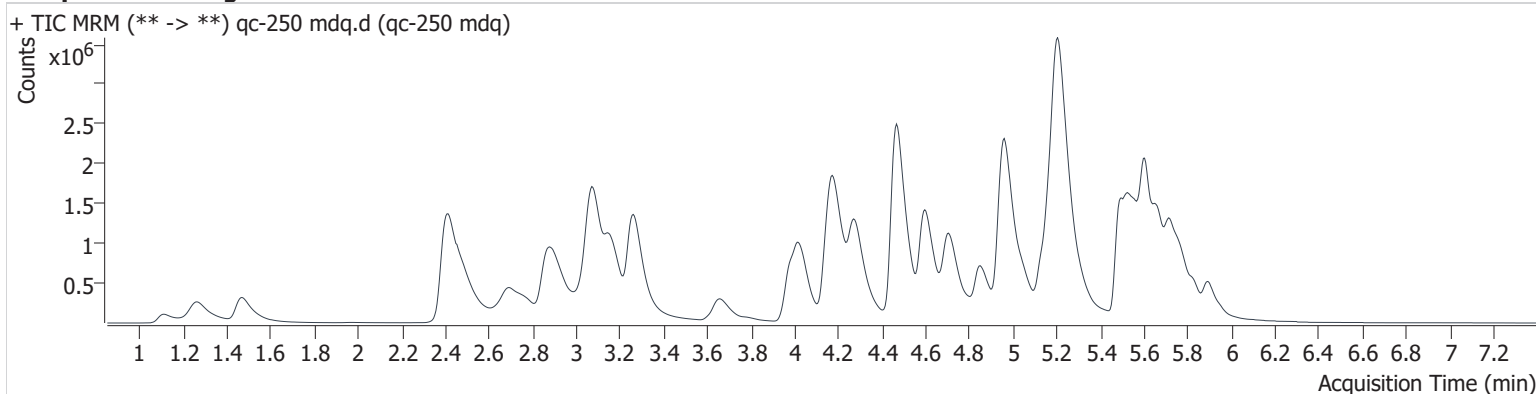
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.691	67230	∞	45.2	∞	82462	90.300 ng/ml
MDA	3.067	931343	27426.4	28.0	∞	245388	108.914 ng/ml
MDMA	3.174	748567	59810.5	100.4	18073.4	77558	94.060 ng/ml
Meprobamate	4.826	152940	47203.5	31.0	1177.0	48508	111.402 ng/ml
Methadone	5.608	1331807	1831640.6	56.6	396913.7	598624	95.475 ng/ml
Methamphetamine	3.094	1682367	377.2	40.3	294.7	681854	107.995 ng/ml
Metoprolol	4.249	183918	206664.0	96.3	∞	1139206	103.091 ng/ml
Mirtazapine	4.602	3038749	151083.4	48.6	∞	598624	174.777 ng/ml
Mitragynine	5.197	308251	902496.2	31.7	246930.8	1139206	104.421 ng/ml
Morphine	1.117	71215	8395.5	24.9	2210.9	11601	98.389 ng/ml
Norbuprenorphine	4.921	5779	2942.7	90.6	1663.0	12437	10.203 ng/ml
Nordiazepam	5.840	273324	∞	62.5	∞	98306	99.590 ng/ml
Norfentanyl	3.997	25836	5666.6	281.1	3059.7	846830	10.909 ng/ml
Norhydrocodone	2.948	33847	1215.1	28.6	1163.4	55875	97.963 ng/ml
Noroxycodone	2.778	285611	∞	44.2	∞	94520	105.508 ng/ml
O-desmethyl-tramadol	3.271	2156601	97963.5	6.3	136109.4	992600	100.047 ng/ml
Oxazepam	5.698	157692	3604.8	68.4	999.6	82462	99.315 ng/ml
Oxycodone	2.706	961352	196584.3	29.0	5129.0	379888	101.787 ng/ml
Oxymorphone	1.270	757871	∞	44.1	∞	265537	104.246 ng/ml
Phentermine	3.668	323512	∞	9.8	∞	411563	105.258 ng/ml
Promethazine	5.493	1397230	636592.3	39.3	∞	670336	97.543 ng/ml
Pseudoephedrine	2.431	2314061	51110.0	16.6	∞	1139206	99.263 ng/ml
Quetiapine	5.532	1593415	2009012.9	62.3	980089.6	262151	94.640 ng/ml
Sertraline	5.729	340953	5717842.6	100.6	390451.8	136258	101.207 ng/ml
Temazepam	5.766	442896	32187.0	28.6	513.7	210780	94.386 ng/ml
Tramadol	4.162	1866849	9943445.5	3.6	1780.2	836338	103.252 ng/ml
Trazodone	5.213	1112182	∞	78.7	∞	498398	105.667 ng/ml
Venlafaxine	4.960	1264504	1151333.6	37.6	7491.3	849880	99.236 ng/ml
Zolpidem	4.969	2548101	1472986.7	29.2	∞	1181411	102.554 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C2	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 6:24:49 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.028	41599	∞	129.8	66682.6	41896	25.119 ng/ml
7-aminoclonazepam	4.197	691094	9402.3	74.2	114502.7	102173	242.391 ng/ml
a-hydroxyalprazolam	5.638	74138	∞	54.6	1974.4	192010	256.344 ng/ml
alpha-PHP	4.851	811242	34349.0	257.9	8597.7	409784	240.917 ng/ml
alpha-PVP	4.282	2807288	65650.1	53.3	57945.8	409784	248.705 ng/ml
Alprazolam	5.718	1120268	2120.3	90.1	∞	154794	248.906 ng/ml
Amphetamine	2.874	1501920	31345.3	248.0	30816.1	256160	251.138 ng/ml
Benzoylcegonine	3.784	75895	59036.6	55.4	697.7	9132	265.209 ng/ml
Buprenorphine	5.835	108096	2148.0	16.0	318.7	65678	25.239 ng/ml
Bupropion	4.712	2586245	1205817.4	71.0	37219.2	487887	245.672 ng/ml
Carisoprodol	5.678	436188	1374756.6	69.8	∞	84517	243.918 ng/ml
Citalopram	5.136	1836477	13522.2	39.7	∞	308986	260.335 ng/ml
Clonazepam	5.560	381918	∞	33.5	∞	28651	255.339 ng/ml
Clonazepam	5.501	606797	4612.6	36.6	3359.0	192010	278.969 ng/ml
Cocaine	4.181	2039431	76301.5	49.9	70620.2	631251	255.744 ng/ml
Codeine	2.448	265156	23556.8	93.3	59527.3	46286	257.949 ng/ml
Cyclobenzaprine	5.573	2041470	2195577.5	8.8	109542.8	240995	248.265 ng/ml
Dextromethorphan	5.179	1301676	11850.7	76.0	∞	212806	252.887 ng/ml
Dextrophan	4.028	1720897	35834.7	46.5	40226.9	334861	240.932 ng/ml
Diazepam	5.896	771434	∞	86.2	3598.8	135522	258.317 ng/ml
Dihydrocodeine	2.401	753245	3042.0	61.3	213.9	178046	260.373 ng/ml
Diphenhydramine	5.211	5786354	70363.4	31.5	29979.3	1189170	267.061 ng/ml
Doxylamine	4.467	6783786	373898.7	77.1	114760.2	984707	252.173 ng/ml
EDDP	5.179	3012194	44591.5	43.9	262083.6	606423	243.647 ng/ml
Etizolam	5.764	536159	∞	24.9	∞	135522	270.687 ng/ml
Fentanyl	5.052	226741	460192.7	108.5	18231.3	437139	25.185 ng/ml
Flualprazolam	5.654	485934	9222.7	95.2	6761.5	154794	263.604 ng/ml
Fluoxetine	5.665	1397152	1048648.0	7.2	127149.9	208197	240.562 ng/ml
Hydrocodone	2.907	713935	∞	37.4	1761.2	163809	251.631 ng/ml
Hydromorphone	1.468	827187	2926.1	72.5	2082.5	102072	252.398 ng/ml
Ketamine	3.987	1895261	73975.3	38.3	14852.6	365723	259.650 ng/ml
Lamotrigine	4.193	157066	25093.2	88.0	65462.3	190995	252.953 ng/ml
Levetiracetam	2.496	367203	10249.0	159.8	17867.9	102072	271.415 ng/ml

AM #28 Multi-Drug Quant. Results

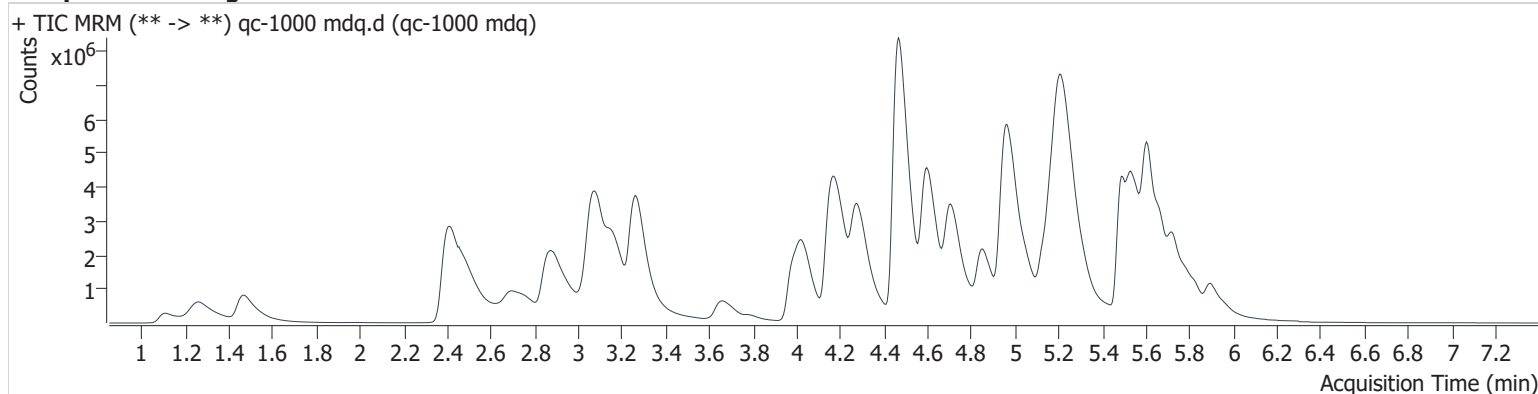
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.691	117978	∞	45.8	∞	54433	239.937 ng/ml
MDA	3.052	1842989	21957.7	27.6	5008.4	190995	277.983 ng/ml
MDMA	3.164	1823480	744228.2	98.1	109753.5	73756	241.548 ng/ml
Meprobamate	4.816	356499	16455.6	31.2	1871.7	47087	270.364 ng/ml
Methadone	5.608	3478184	135867.2	54.5	63968.8	597048	249.676 ng/ml
Methamphetamine	3.079	3862915	2049.0	40.1	1209.2	681077	252.702 ng/ml
Metoprolol	4.244	451572	82318.8	95.3	∞	1031613	281.495 ng/ml
Mirtazapine	4.602	4224544	124693.9	49.6	∞	597048	243.501 ng/ml
Mitragynine	5.192	652918	21195.4	32.7	67117.3	1031613	245.197 ng/ml
Morphine	1.112	167750	20057.2	23.2	4844.1	10147	265.579 ng/ml
Norbuprenorphine	4.916	15045	1004.7	84.8	444.8	13244	24.906 ng/ml
Nordiazepam	5.835	493104	17216.6	61.7	11649.2	70575	250.161 ng/ml
Norfentanyl	3.987	52825	∞	266.6	722.8	705923	27.052 ng/ml
Norhydrocodone	2.938	84460	1535.5	31.6	1735.5	52779	256.057 ng/ml
Noroxycodone	2.763	548052	∞	44.5	4456.7	77924	245.710 ng/ml
O-desmethyl-tramadol	3.266	4925176	242058.7	6.4	47973.3	914283	248.143 ng/ml
Oxazepam	5.698	265347	7189.5	71.4	16308.9	54433	253.110 ng/ml
Oxycodone	2.691	1684861	22754.6	28.9	11074.5	272169	249.015 ng/ml
Oxymorphone	1.260	1148569	∞	43.5	∞	162398	258.685 ng/ml
Phentermine	3.663	734715	19797.9	9.9	49267.3	389361	254.154 ng/ml
Promethazine	5.488	3381092	93645.3	39.4	47427.7	639507	246.850 ng/ml
Pseudoephedrine	2.415	5306310	15581.3	16.4	71976.5	1031613	251.293 ng/ml
Quetiapine	5.532	2104448	298441.2	62.2	52220.8	137533	237.756 ng/ml
Sertraline	5.723	453322	788156.0	94.1	90620.9	68717	266.564 ng/ml
Temazepam	5.766	997794	15979.4	28.9	2626.9	192010	232.979 ng/ml
Tramadol	4.157	4625346	42350.4	3.6	7961.9	848749	252.781 ng/ml
Trazodone	5.213	2528201	39284.5	78.9	305269.5	457757	262.483 ng/ml
Venlafaxine	4.949	3206972	43795.2	38.0	96520.7	828933	257.121 ng/ml
Zolpidem	4.964	4914307	468947.7	29.4	59920.2	882906	264.820 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D2	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 6:33:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	88722	∞	146.4	126725.9	23730	94.506 ng/ml
7-aminoclonazepam	4.203	1033978	4308.7	78.4	2770.1	35362	1046.472 ng/ml
a-hydroxyalprazolam	5.633	101413	1391.2	56.4	338.2	71916	941.123 ng/ml
alpha-PHP	4.857	2698157	7464.8	257.5	4729.0	325683	1007.550 ng/ml
alpha-PVP	4.282	9424907	406438.0	52.1	37684.9	325683	1050.246 ng/ml
Alprazolam	5.723	2357509	8958.3	92.8	10417.8	77722	1042.933 ng/ml
Amphetamine	2.864	3421149	79513.3	235.4	156277.9	164709	891.402 ng/ml
Benzoylcegonine	3.790	285349	183764.2	54.1	6060.1	8631	1053.340 ng/ml
Buprenorphine	5.841	341305	4288.6	15.9	781.1	53037	98.717 ng/ml
Bupropion	4.712	9094174	239907.1	68.2	129491.2	410212	1026.793 ng/ml
Carisoprodol	5.678	825875	∞	65.6	14816.7	37757	1033.472 ng/ml
Citalopram	5.136	4625522	23955.8	41.4	37417.9	198664	1019.437 ng/ml
Clonazepam	5.560	435307	13075.8	33.1	173501.9	7710	1082.973 ng/ml
Clonazepam	5.501	956263	103495.7	38.0	∞	71916	1173.043 ng/ml
Cocaine	4.181	6080094	161583.0	49.4	110022.2	479424	1003.757 ng/ml
Codeine	2.458	609233	76303.8	93.7	21692.6	27142	1010.105 ng/ml
Cyclobenzaprine	5.573	5160640	42395.6	8.7	393887.8	153454	985.407 ng/ml
Dextromethorphan	5.174	3310407	∞	76.2	52537.7	131370	1040.627 ng/ml
Dextrophan	4.033	5362940	114039.9	45.4	∞	248138	1011.393 ng/ml
Diazepam	5.896	2296422	3932831758	85.8	∞	100703	1034.771 ng/ml
			61026.0				
Dihydrocodeine	2.391	2004822	4531.7	61.3	1980.0	136433	905.658 ng/ml
Diphenhydramine	5.222	15154269	222546.4	30.7	∞	755674	1099.989 ng/ml
Doxylamine	4.467	25009887	88477.7	80.3	289256.1	894380	1023.187 ng/ml
EDDP	5.174	10266576	147419.0	43.4	73926.7	515031	977.310 ng/ml
Etizolam	5.769	1478267	40003.9	25.8	∞	100703	1006.631 ng/ml
Fentanyl	5.058	743106	92877.3	117.9	2644649.5	357580	100.879 ng/ml
Flualprazolam	5.654	977551	29627.7	93.0	2169.9	77722	1057.301 ng/ml
Fluoxetine	5.665	2992668	73799.4	6.6	31077.1	106168	1009.844 ng/ml
Hydrocodone	2.902	2381194	336944.1	35.6	∞	139129	989.830 ng/ml
Hydromorphone	1.468	2433503	1843.1	72.2	1938.0	75548	1003.220 ng/ml
Ketamine	3.989	5668786	416529.4	38.5	∞	290762	978.212 ng/ml
Lamotrigine	4.204	314985	6506.4	89.2	6505.6	85790	1125.570 ng/ml

AM #28 Multi-Drug Quant. Results

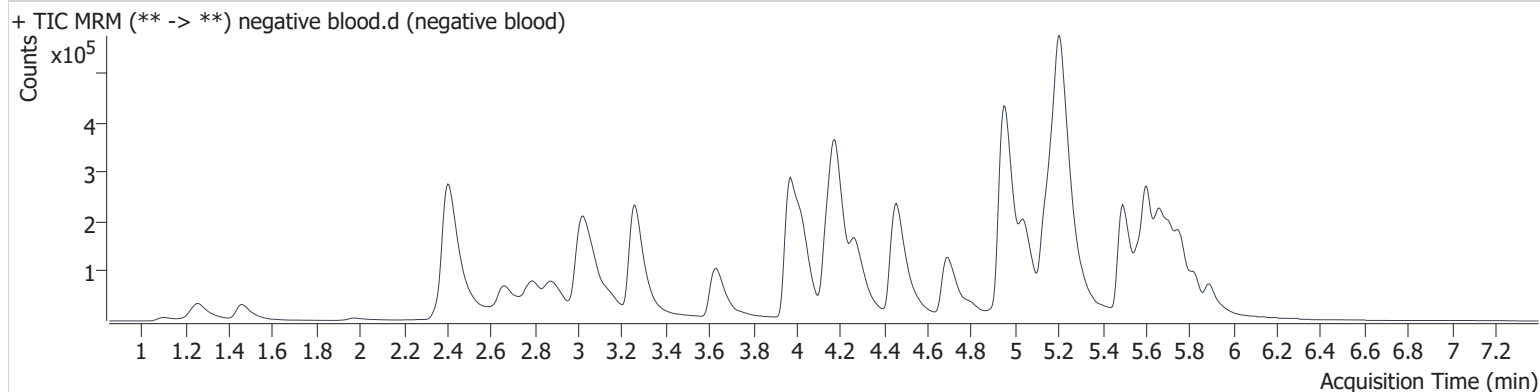
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.496	978680	33700.9	155.7	93440.2	75548	980.088 ng/ml
Lorazepam	5.691	135165	∞	49.7	4506.8	10971	1363.477 ng/ml OCR
MDA	3.037	3339789	92101.7	24.8	691197.6	85790	1123.626 ng/ml
MDMA	3.164	5186152	8530394.5	95.0	136753.2	45951	1104.086 ng/ml
Meprobamate	4.811	755875	1107072.3	30.8	3319.0	30924	877.401 ng/ml
Methadone	5.608	11650963	272087.8	50.8	53762.3	468446	1065.288 ng/ml
Methamphetamine	3.079	11110902	5962.4	39.2	4350.5	563291	887.321 ng/ml
Metoprolol	4.244	1038711	209251.7	97.9	634040.9	691589	968.655 ng/ml
Mirtazapine	4.602	14181455	322644.6	49.6	179548.4	468446	1040.828 ng/ml
Mitragynine	5.192	1646746	10580.3	34.8	∞	691589	924.430 ng/ml
Morphine	1.107	487057	37979.1	25.4	14381.6	8528	918.481 ng/ml
Norbuprenorphine	4.911	41331	22696.3	87.3	4004.5	7631	118.662 ng/ml
Nordiazepam	5.845	887274	26217.0	62.3	∞	31026	1023.695 ng/ml
Norfentanyl	3.982	125170	868785.9	273.1	17298.3	484712	93.853 ng/ml
Norhydrocodone	2.943	266232	2859.5	35.0	106.5	40292	1052.067 ng/ml
Noroxycodone	2.763	1444297	∞	41.2	16438.0	45782	1102.503 ng/ml
O-desmethyl-tramadol	3.266	17293096	2439224.4	6.1	42827.0	793099	1004.580 ng/ml
Oxazepam	5.698	172396	85010.2	74.3	20588.5	10971	815.788 ng/ml
Oxycodone	2.696	4352574	16253.4	29.0	8587.6	173633	1008.397 ng/ml
Oxymorphone	1.260	3379067	∞	43.2	∞	125925	982.164 ng/ml
Phentermine	3.663	2130457	∞	8.7	23913.2	305554	941.945 ng/ml
Promethazine	5.488	11342709	189369.6	36.3	∞	503180	1051.276 ng/ml
Pseudoephedrine	2.410	14520072	60005.8	16.1	5104.7	691589	1025.579 ng/ml
Quetiapine	5.532	5961463	∞	61.0	∞	92709	998.107 ng/ml
Sertraline	5.729	962879	250313.8	95.3	187694.2	37587	1034.681 ng/ml
Temazepam	5.781	1584771	22224.0	28.0	4838.7	71916	986.976 ng/ml
Tramadol	4.152	14756433	523750.9	3.5	10639.9	745605	919.300 ng/ml
Trazodone	5.223	6246358	∞	78.5	35822.6	318967	932.346 ng/ml
Venlafaxine	4.949	9574947	148258.7	37.6	21057.5	583107	1089.458 ng/ml
Zolpidem	4.964	16031675	137591.7	29.4	54974.2	725141	1052.167 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F2	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 7:00:52 PM		
Sample Info.			

Sample Chromatogram

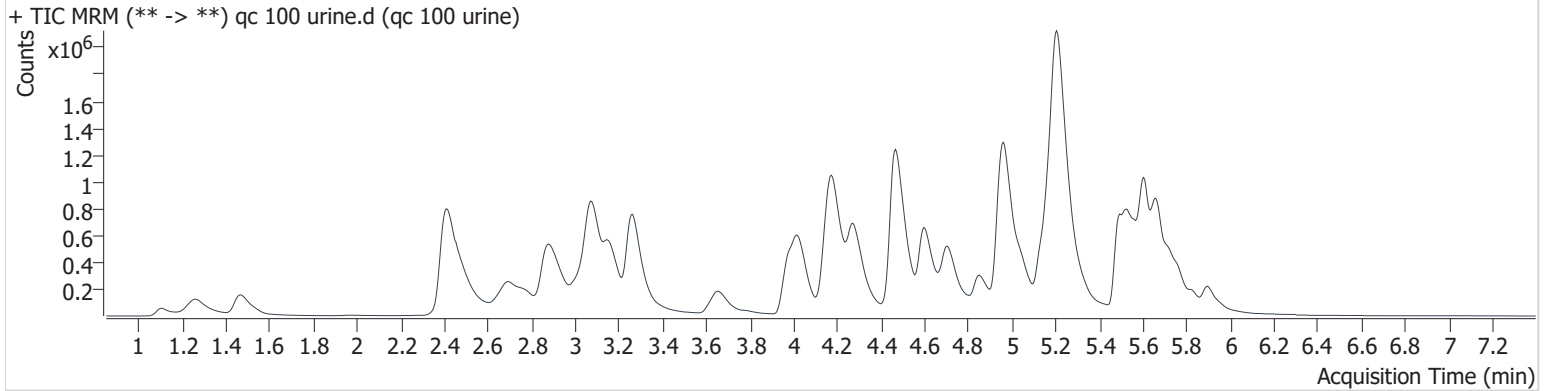


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File qc 100 urine.d
Type Sample Sample qc 100 urine
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-E2 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 6:51:51 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.038	19389	4814.2	131.8	26811.3	48779	10.072 ng/ml
7-aminoclonazepam	4.192	346940	2927.2	74.3	3802.1	132903	93.802 ng/ml
a-hydroxyalprazolam	5.638	28780	1110.8	50.5	908.9	115997	164.058 ng/ml
alpha-PHP	4.851	328577	3773.1	254.0	4720.5	466904	85.772 ng/ml
alpha-PVP	4.282	1250573	54834.5	52.8	∞	466904	97.302 ng/ml
Alprazolam	5.723	349233	697.9	91.7	1314.4	119731	100.372 ng/ml
Amphetamine	2.874	756086	∞	254.2	50714.6	298046	108.274 ng/ml
Benzoylcegonine	3.790	34529	2657.1	55.4	296.7	10110	109.340 ng/ml
Buprenorphine	5.841	43888	681.2	14.5	22.7	62706	10.726 ng/ml
Bupropion	4.712	1005048	41003.9	72.7	2013.4	476543	97.868 ng/ml
Carisoprodol	5.673	168116	308724.1	71.2	1408.2	84198	94.428 ng/ml
Citalopram	5.141	928108	8344.0	39.8	7000.4	402866	100.990 ng/ml
Clonazepam	5.560	109481	7081.6	33.9	22017.5	20043	104.354 ng/ml
Clonazepam	5.507	186273	∞	37.2	1696.0	115997	141.869 ng/ml
Cocaine	4.181	873420	35744.2	48.8	15564.5	667422	103.619 ng/ml
Codeine	2.453	130784	8482.0	95.6	6289.2	56723	103.938 ng/ml
Cyclobenzaprine	5.573	812300	30905.3	8.9	∞	247048	96.405 ng/ml
Dextromethorphan	5.179	636046	7984.2	78.2	∞	269630	97.762 ng/ml
Dextrophan	4.028	842203	44832.9	43.5	86434.9	401620	98.654 ng/ml
Diazepam	5.896	285057	13921.4	86.5	12226.5	120123	107.704 ng/ml
Dihydrocodeine	2.412	376979	1546.9	60.8	1219.3	209970	110.198 ng/ml
Diphenhydramine	5.211	2785298	40491.2	31.1	10551.6	1447365	105.747 ng/ml
Doxylamine	4.467	3039777	68207.1	78.6	46321.4	1140130	97.672 ng/ml
EDDP	5.179	1413098	195518.2	43.6	∞	733652	94.576 ng/ml
Etizolam	5.764	185924	∞	25.7	96583.6	120123	105.393 ng/ml
Fentanyl	5.058	110222	6993.9	111.4	19298.2	508875	10.522 ng/ml
Flualprazolam	5.654	195395	2819.5	94.4	917.4	119731	136.852 ng/ml
Fluoxetine	5.665	874153	30730.7	6.9	195988.9	331684	94.594 ng/ml
Hydrocodone	2.907	350557	∞	36.6	2515.9	196674	102.568 ng/ml
Hydromorphone	1.468	364840	3744.3	72.7	4753.7	114156	99.540 ng/ml
Ketamine	3.992	844085	58375.2	38.6	2548.4	408598	103.207 ng/ml
Lamotrigine	4.188	69200	8629.5	99.6	1619.3	231714	92.559 ng/ml
Levetiracetam	2.491	157501	5239.6	156.9	7513.0	114156	103.444 ng/ml



AM #28 Multi-Drug Quant. Results

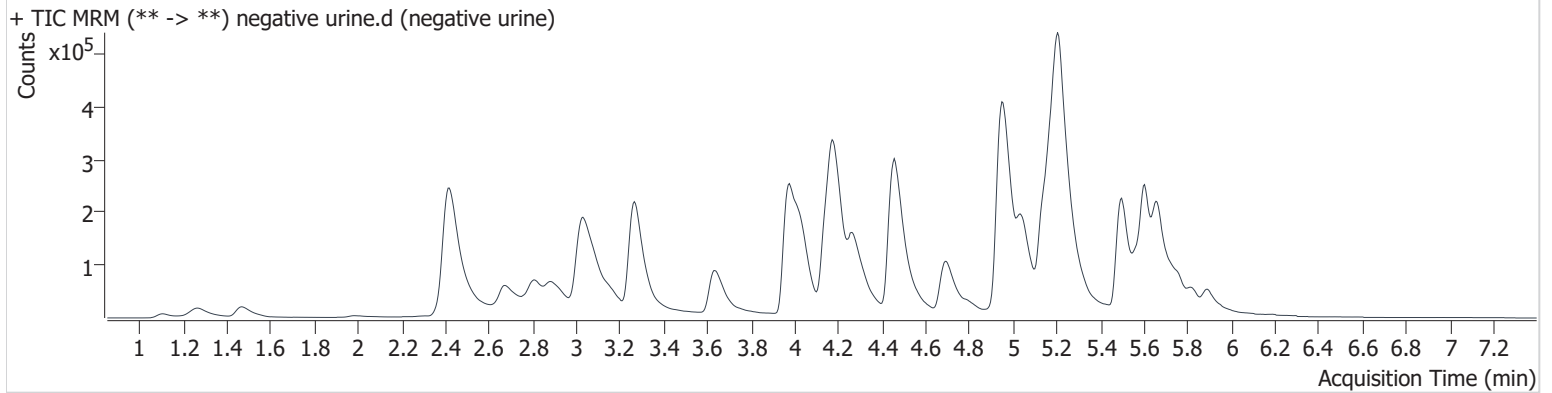
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.686	30082	∞	50.6	∞	31933	104.328 ng/ml
MDA	3.052	887325	6034.8	28.6	1826.8	231714	109.896 ng/ml
MDMA	3.164	862270	22882.6	92.8	26413.4	86635	97.007 ng/ml
Meprobamate	4.821	145570	7460.5	30.9	343.0	46593	110.374 ng/ml
Methadone	5.608	1498831	18612.7	54.3	9348.8	657092	97.882 ng/ml
Methamphetamine	3.084	1711891	659.0	40.2	450.6	702084	106.684 ng/ml
Metoprolol	4.244	218450	21565.4	95.3	∞	1189502	117.428 ng/ml
Mirtazapine	4.602	1897401	50995.6	49.3	33073.4	657092	99.551 ng/ml
Mitragynine	5.197	361558	∞	33.4	74983.8	1189502	117.388 ng/ml
Morphine	1.107	75958	8214.0	25.2	928.2	12020	101.296 ng/ml
Norbuprenorphine	4.921	6814	919.2	97.2	358.0	16445	9.101 ng/ml
Nordiazepam	5.845	130458	13057.9	61.6	22550.2	44391	105.263 ng/ml
Norfentanyl	3.987	25210	∞	270.3	1487.3	803471	11.226 ng/ml
Norhydrocodone	2.943	23554	2169.0	26.8	1684.9	46849	81.588 ng/ml
Noroxycodone	2.758	276223	1704.8	44.7	1415.5	99121	97.295 ng/ml
O-desmethyl-tramadol	3.266	2196932	45294.2	6.5	59027.6	1044760	96.827 ng/ml
Oxazepam	5.692	53385	1393.2	70.6	179.7	31933	86.829 ng/ml
Oxycodone	2.696	840899	8487.1	29.0	3899.9	334716	101.049 ng/ml
Oxymorphone	1.260	465487	∞	44.0	∞	166752	101.954 ng/ml
Phentermine	3.663	339918	4146.6	8.9	467.4	427794	106.411 ng/ml
Promethazine	5.488	1438933	37229.4	39.1	17257.6	708122	95.103 ng/ml
Pseudoephedrine	2.415	2440186	∞	16.4	13132.6	1189502	100.247 ng/ml
Quetiapine	5.532	1001282	30212.3	60.5	∞	156920	99.336 ng/ml
Sertraline	5.729	157940	4129.3	98.3	5069.6	66501	96.068 ng/ml
Temazepam	5.766	233487	∞	30.1	281.9	115997	90.430 ng/ml
Tramadol	4.157	2154565	62398.8	3.5	1434.0	962615	103.534 ng/ml
Trazodone	5.213	1289436	13040.5	79.4	∞	520413	117.396 ng/ml
Venlafaxine	4.955	1491026	11957.5	38.2	2048.8	1006710	98.787 ng/ml
Zolpidem	4.964	2243148	220376.5	29.1	326054.2	1037918	102.762 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	negative urine.d
Type	Sample	Sample	negative urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C11	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 10:19:12 PM		
Sample Info.			

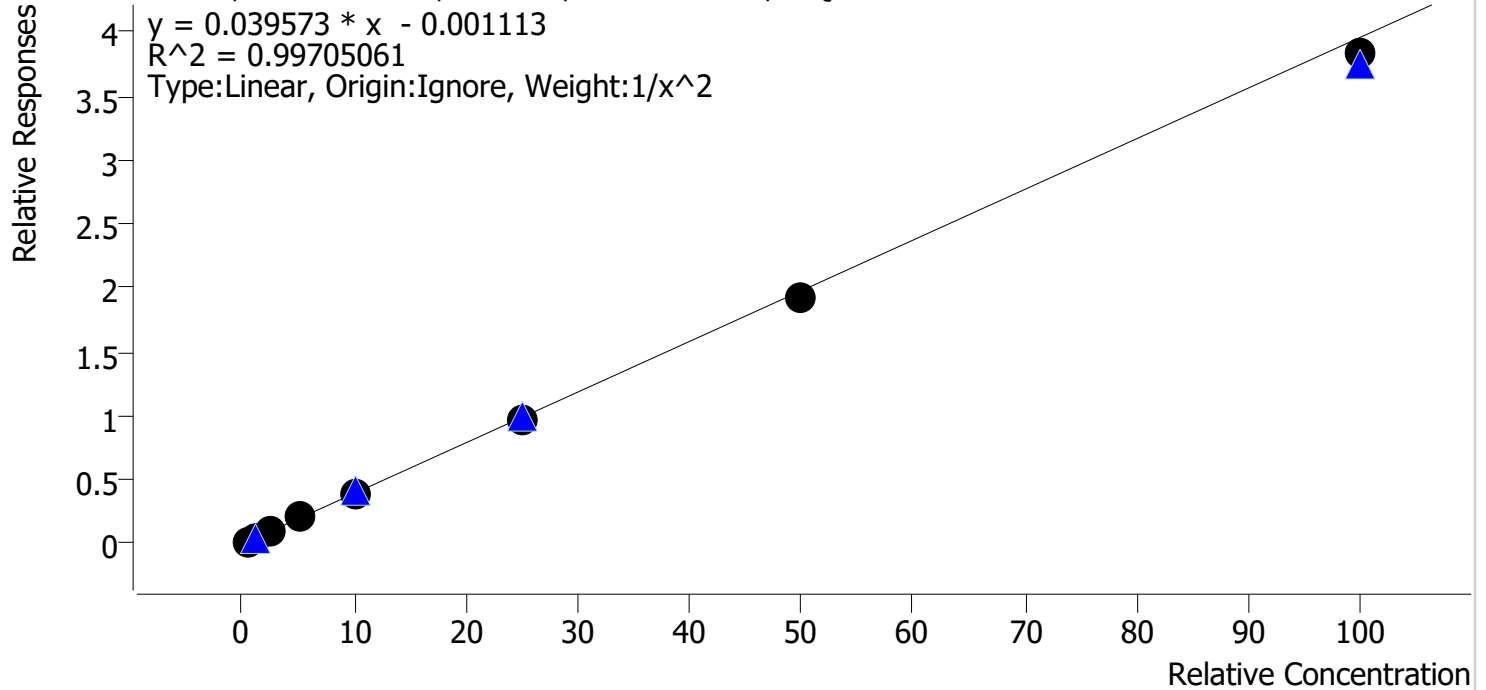
Sample Chromatogram



Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



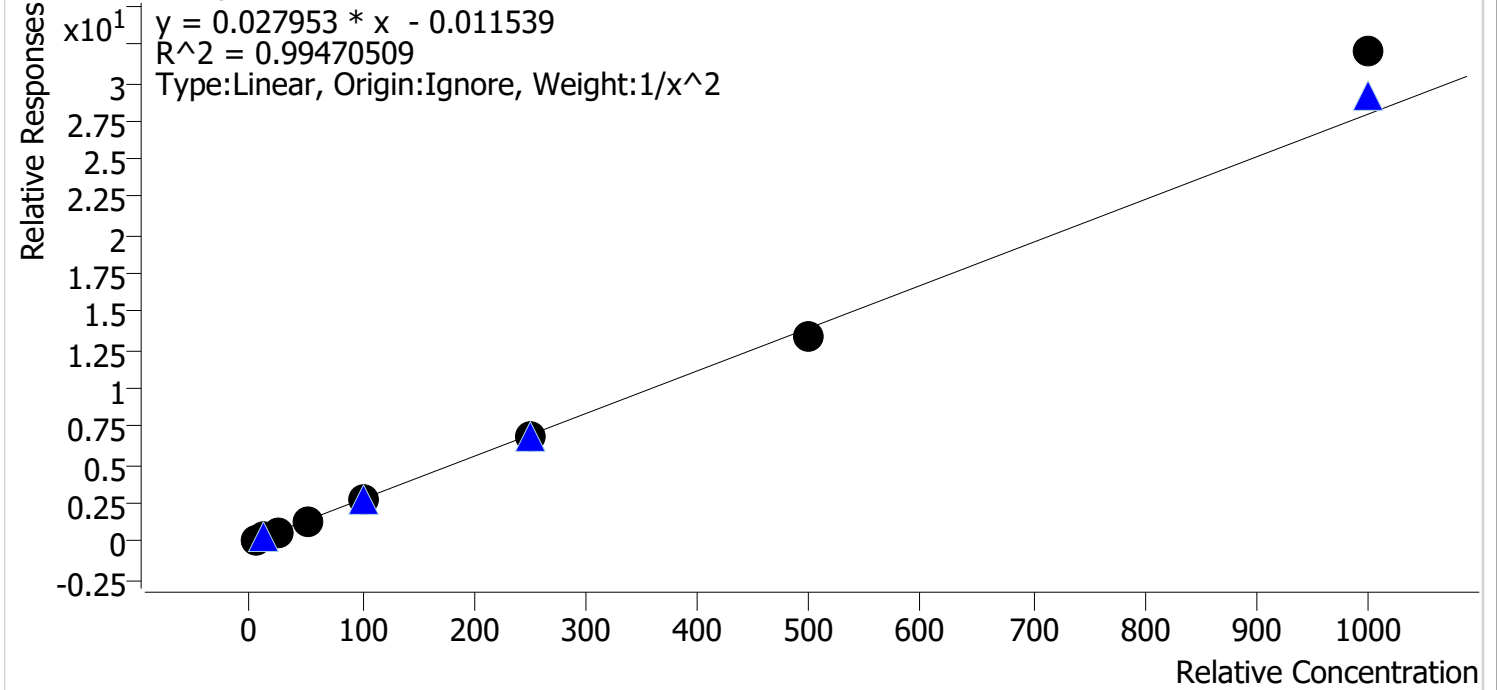
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	95.0
cal 2 mdq	2	✓	1.0	1.1	109.8
cal 3 mdq	3	✓	2.5	2.5	99.2
cal 4 mdq	4	✓	5.0	5.2	103.2
cal 5 mdq	5	✓	10.0	10.1	100.9
cal 6 mdq	6	✓	25.0	24.3	97.2
cal 7 mdq	7	✓	50.0	49.0	98.0
cal 8 mdq	8	✓	100.0	96.8	96.8

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



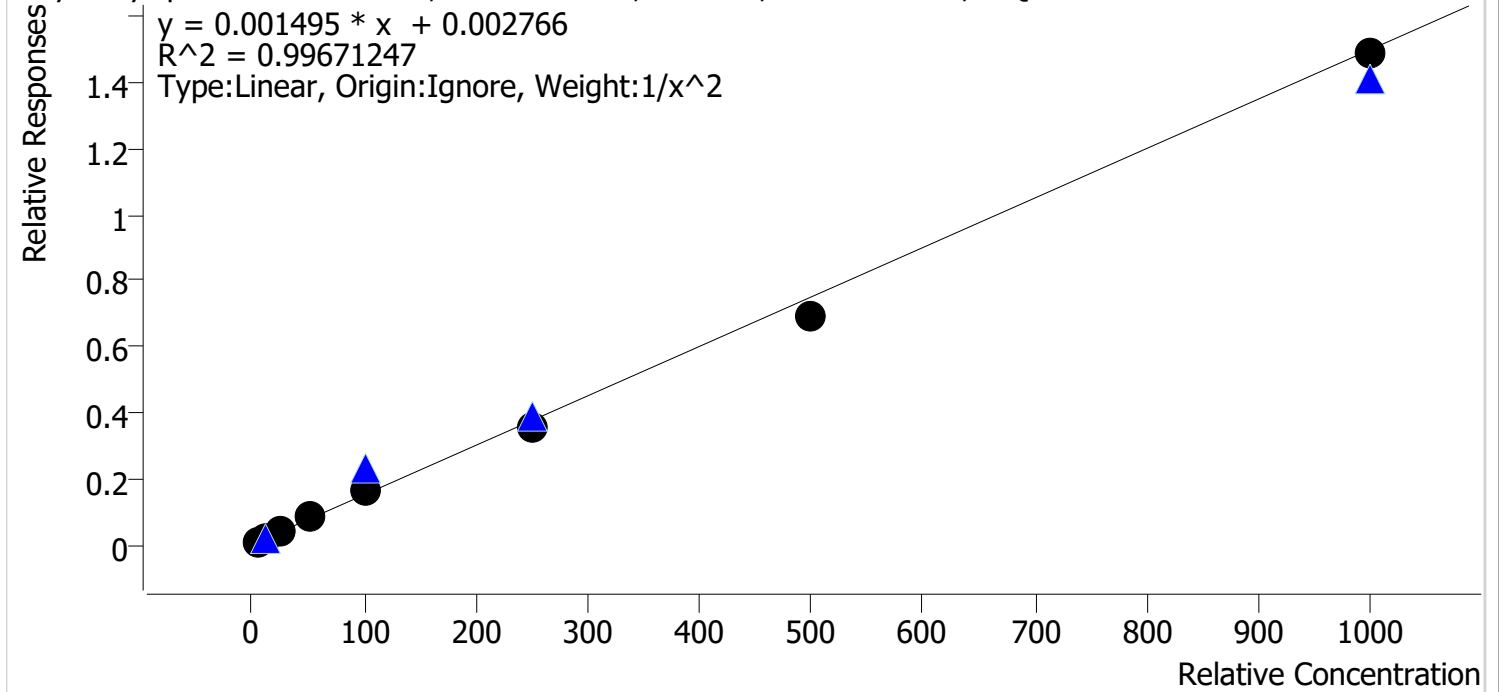
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.6
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	481.3	96.3
cal 8 mdq	8	✓	1000.0	1146.2	114.6

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte a-hydroxyalprazolam **Internal Standard** Temazepam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

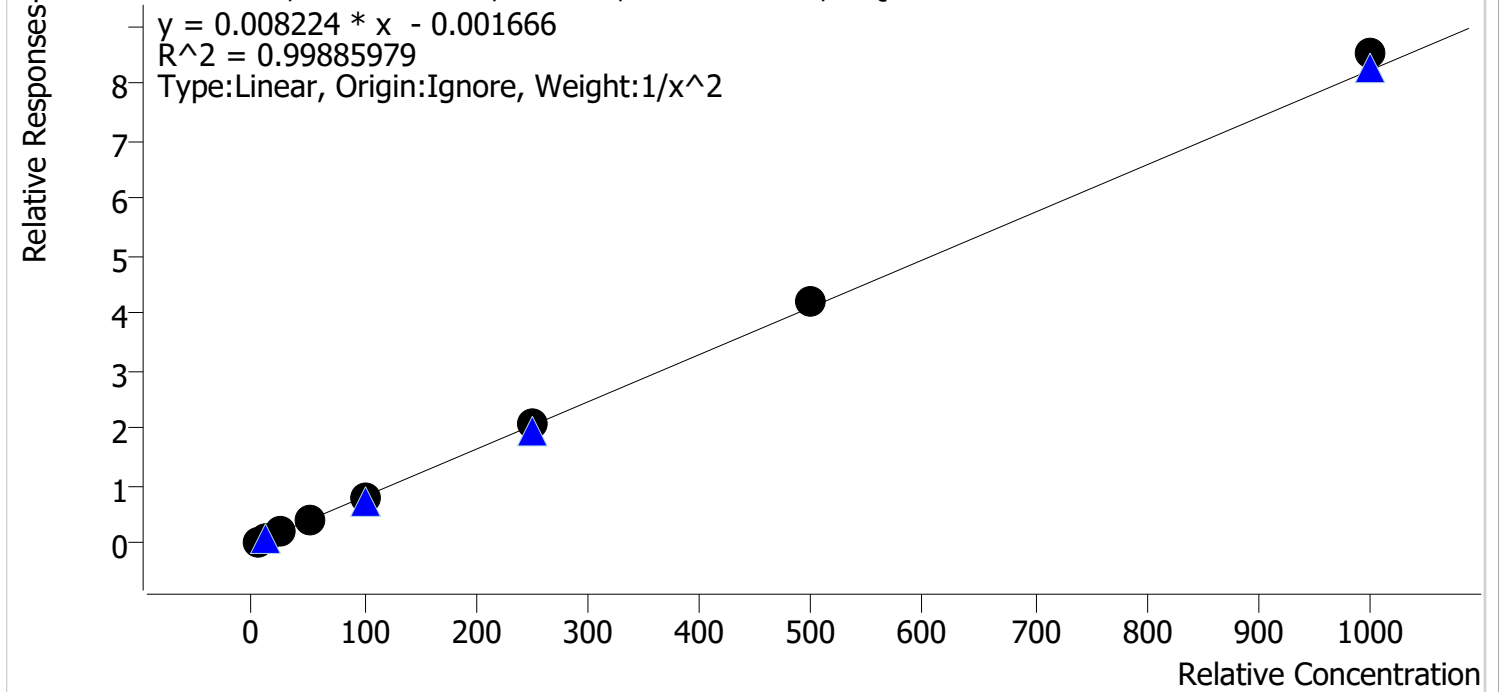


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	106.3	106.3
cal 6 mdq	6	✓	250.0	239.6	95.9
cal 7 mdq	7	✓	500.0	464.2	92.8
cal 8 mdq	8	✓	1000.0	992.0	99.2

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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

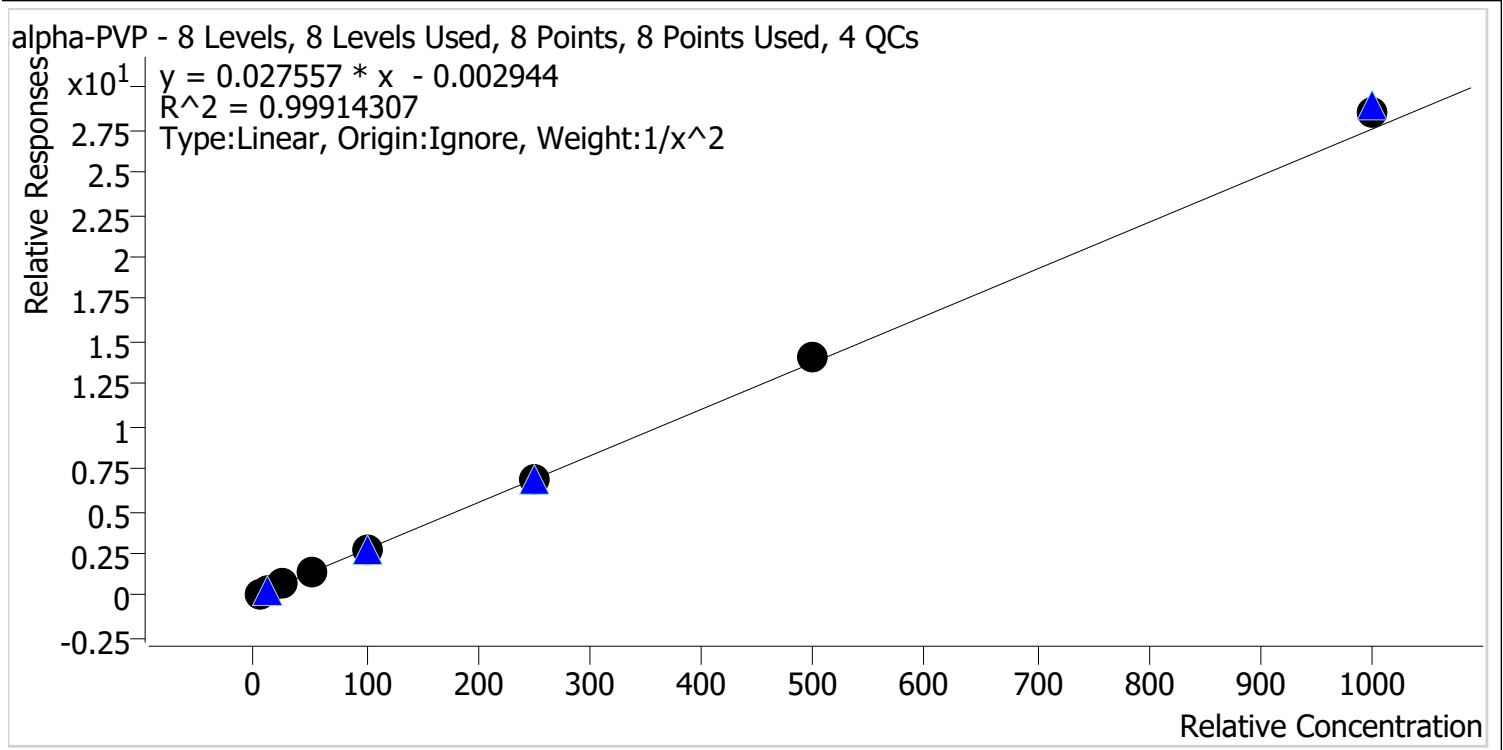


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.3	102.5
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	49.2	98.4
cal 5 mdq	5	✓	100.0	95.2	95.2
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	515.3	103.1
cal 8 mdq	8	✓	1000.0	1035.0	103.5

Compound Calibration Report

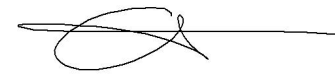


Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

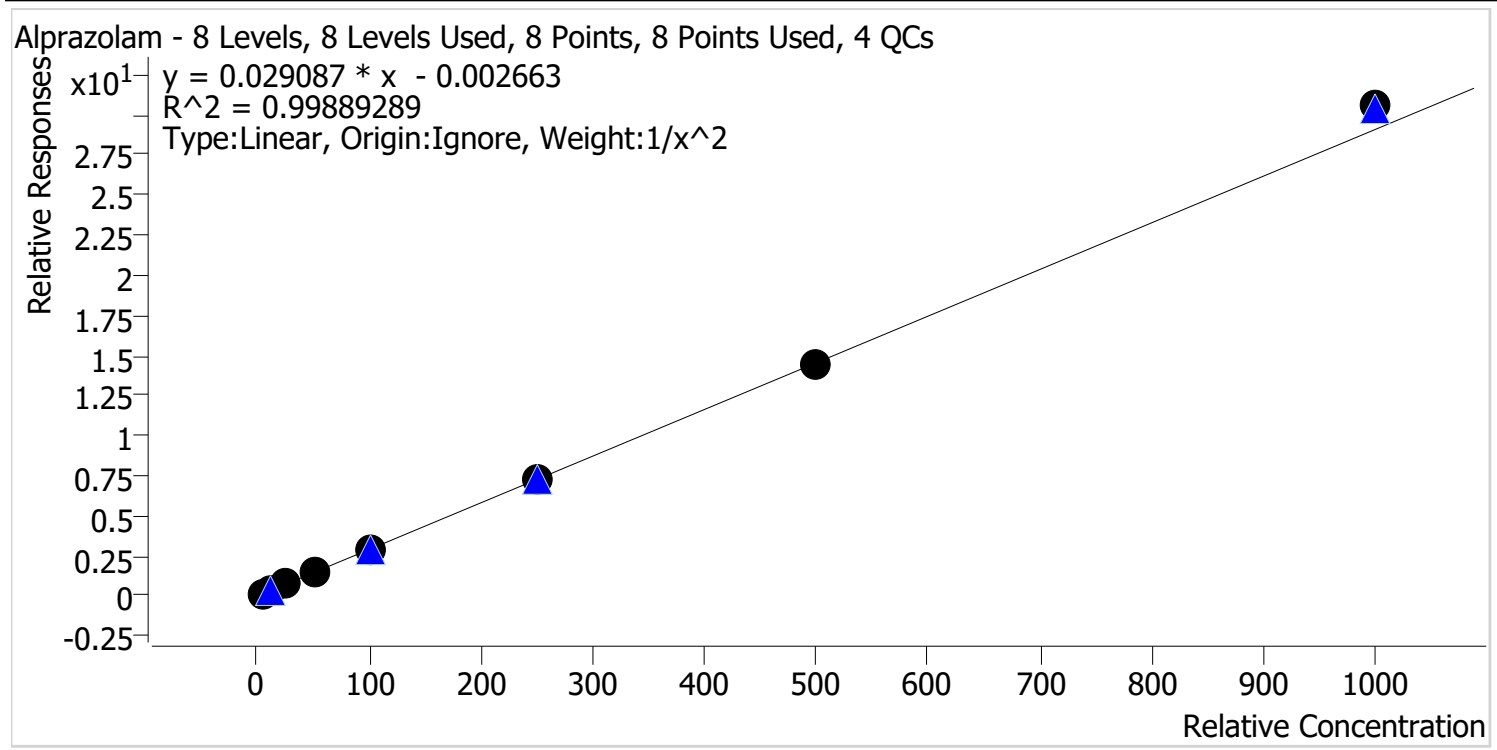


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	96.1	96.1
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	511.6	102.3
cal 8 mdq	8	✓	1000.0	1037.6	103.8

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Alprazolam **Internal Standard** Alprazolam-D5



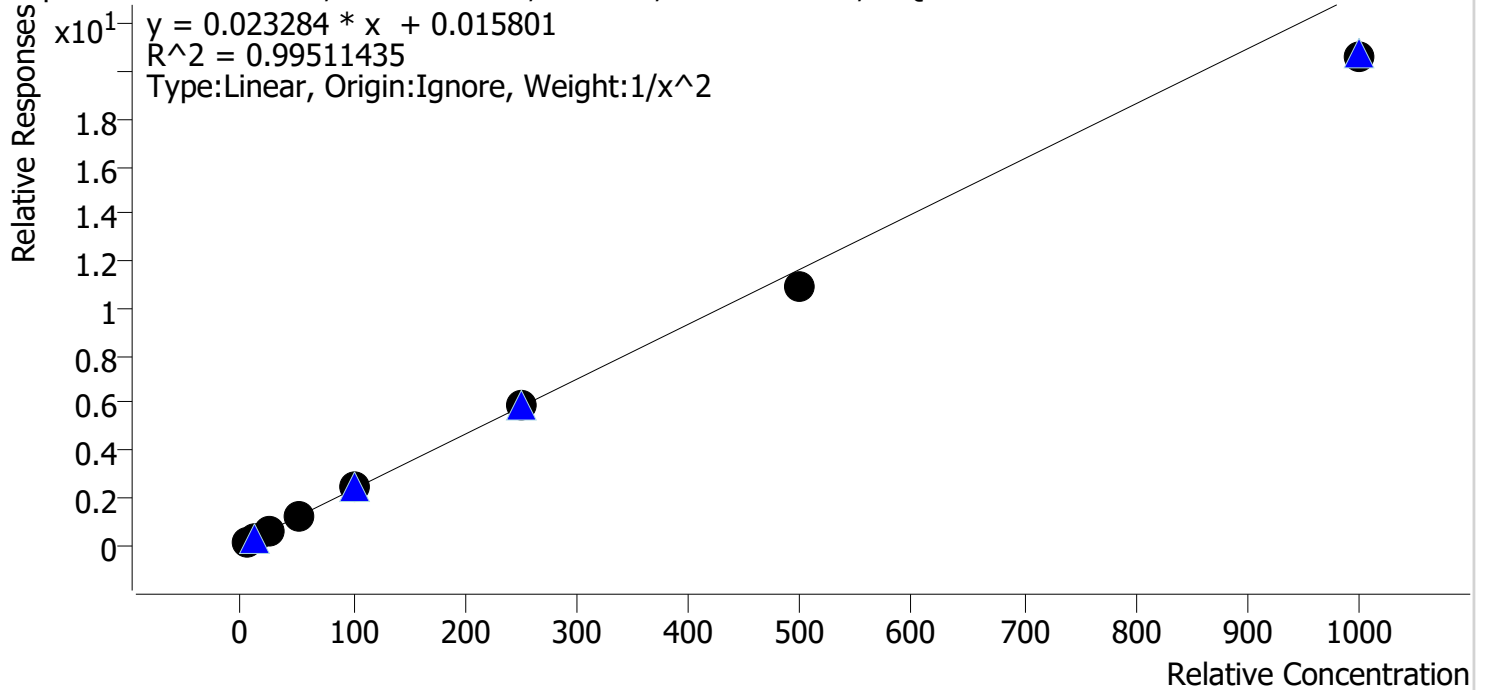
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.4
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.2	98.3
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	254.0	101.6
cal 7 mdq	7	✓	500.0	499.6	99.9
cal 8 mdq	8	✓	1000.0	1051.2	105.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



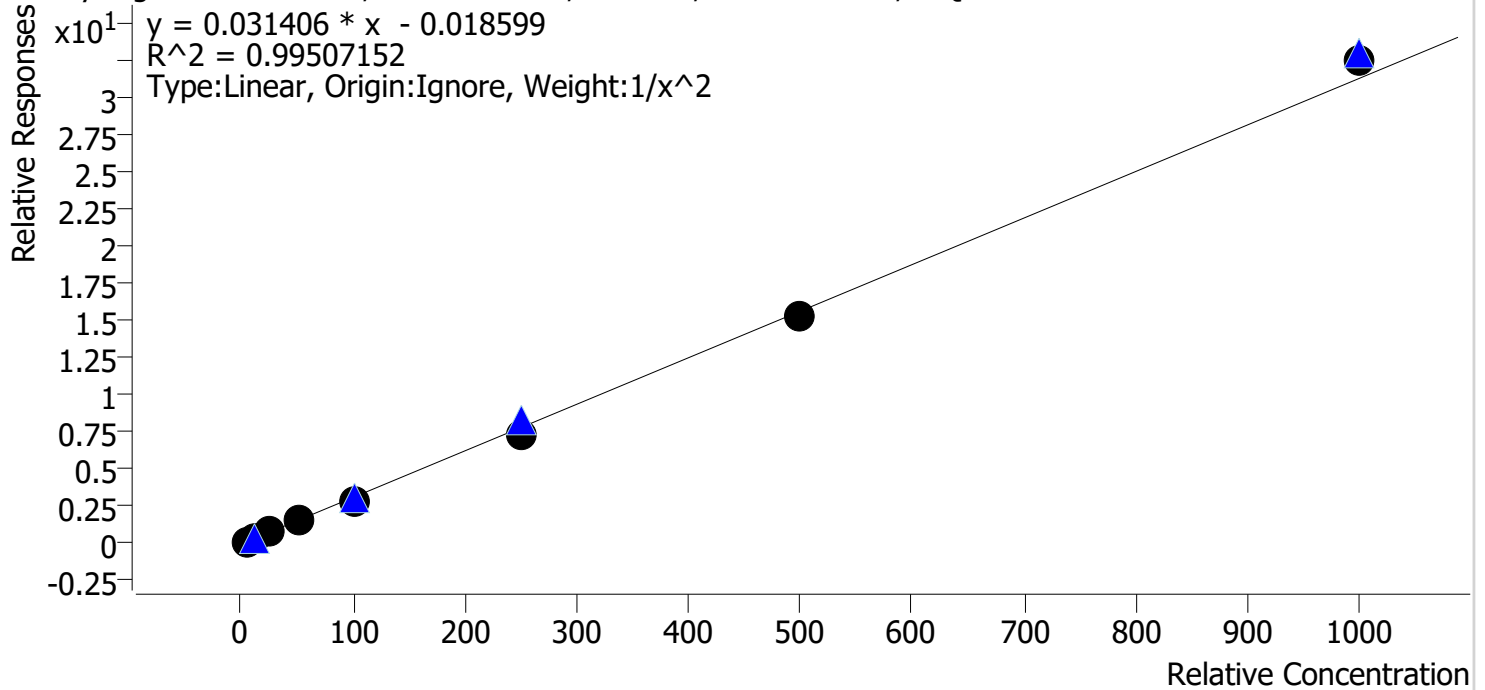
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	26.2	104.6
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	471.1	94.2
cal 8 mdq	8	✓	1000.0	888.9	88.9

Compound Calibration Report



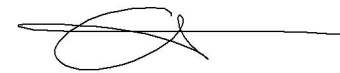
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



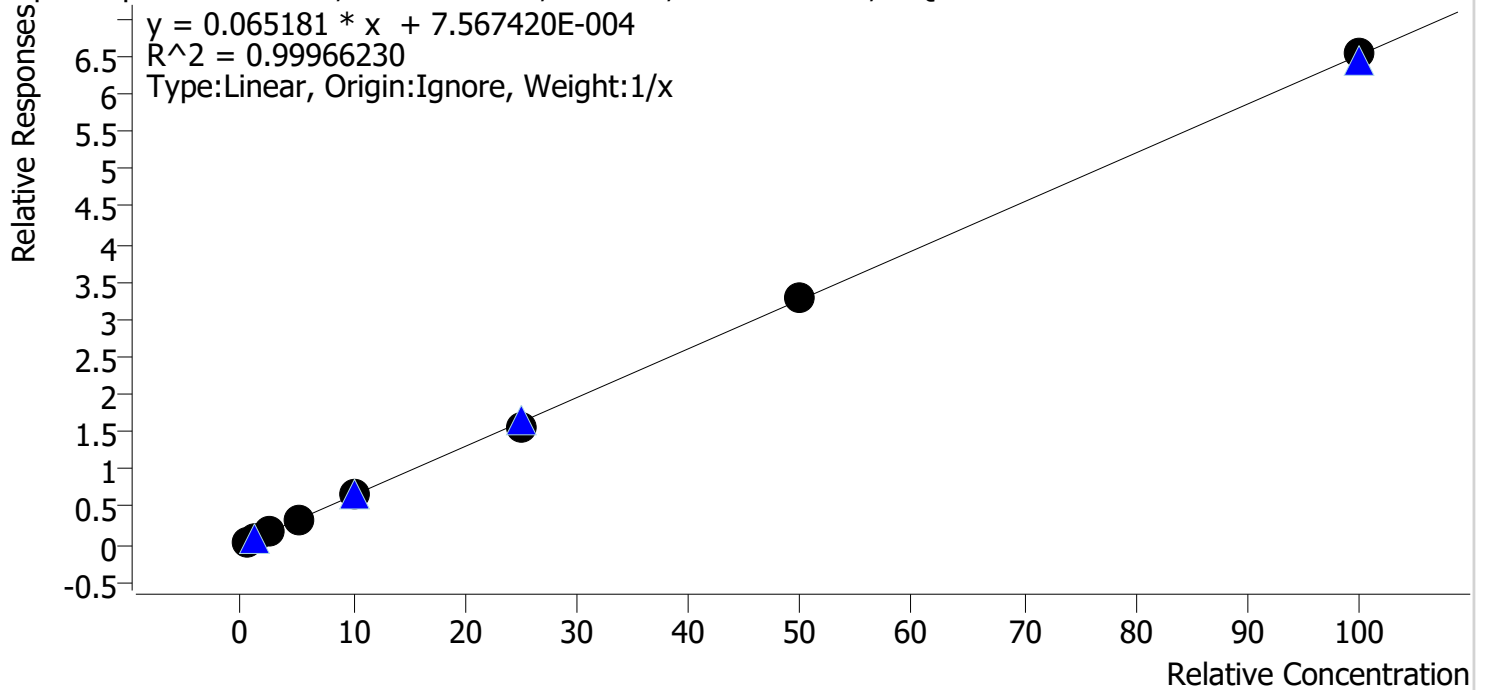
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.4
cal 2 mdq	2	✓	10.0	10.9	109.3
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	93.8	93.8
cal 6 mdq	6	✓	250.0	234.0	93.6
cal 7 mdq	7	✓	500.0	491.3	98.3
cal 8 mdq	8	✓	1000.0	1040.1	104.0

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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

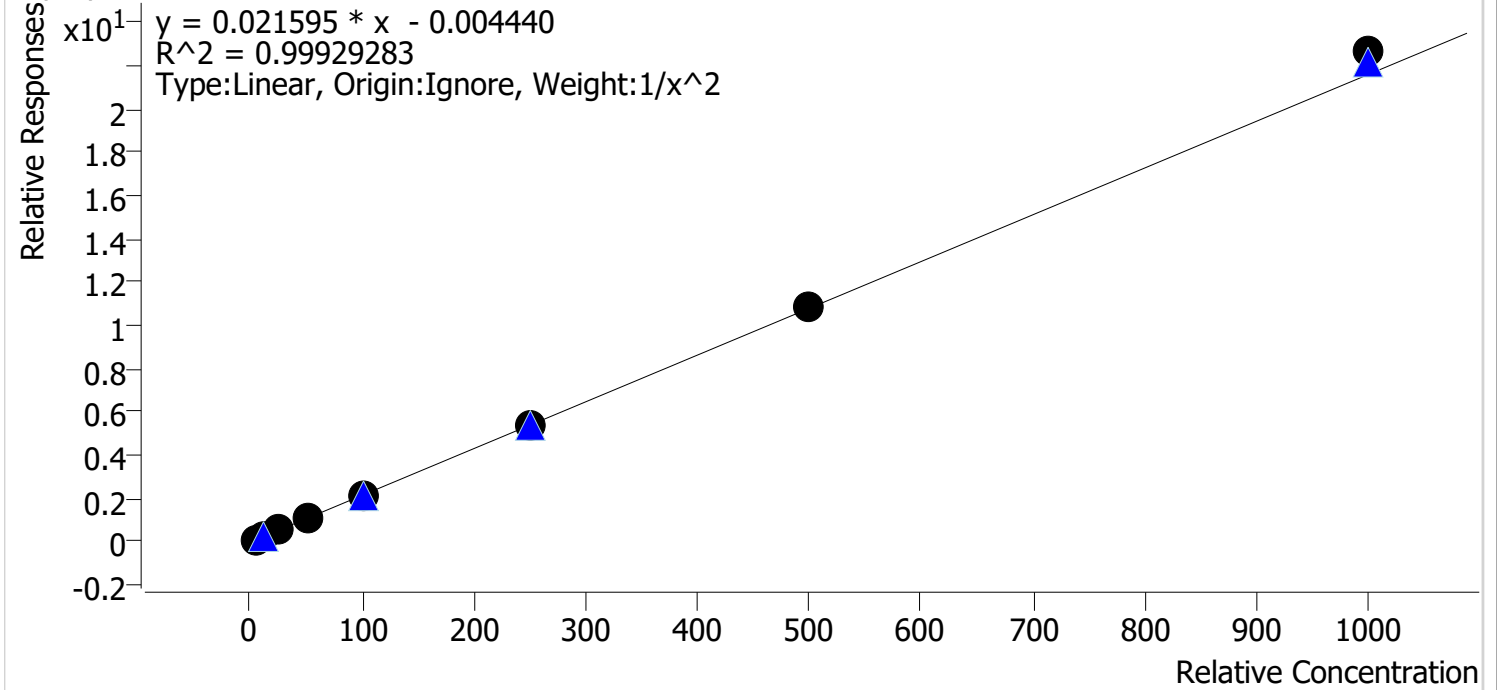


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	106.5
cal 2 mdq	2	✓	1.0	1.0	103.4
cal 3 mdq	3	✓	2.5	2.4	95.5
cal 4 mdq	4	✓	5.0	4.8	95.9
cal 5 mdq	5	✓	10.0	10.0	100.4
cal 6 mdq	6	✓	25.0	24.1	96.5
cal 7 mdq	7	✓	50.0	50.7	101.5
cal 8 mdq	8	✓	100.0	100.3	100.3

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Bupropion **Internal Standard** Bupropion-D9

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

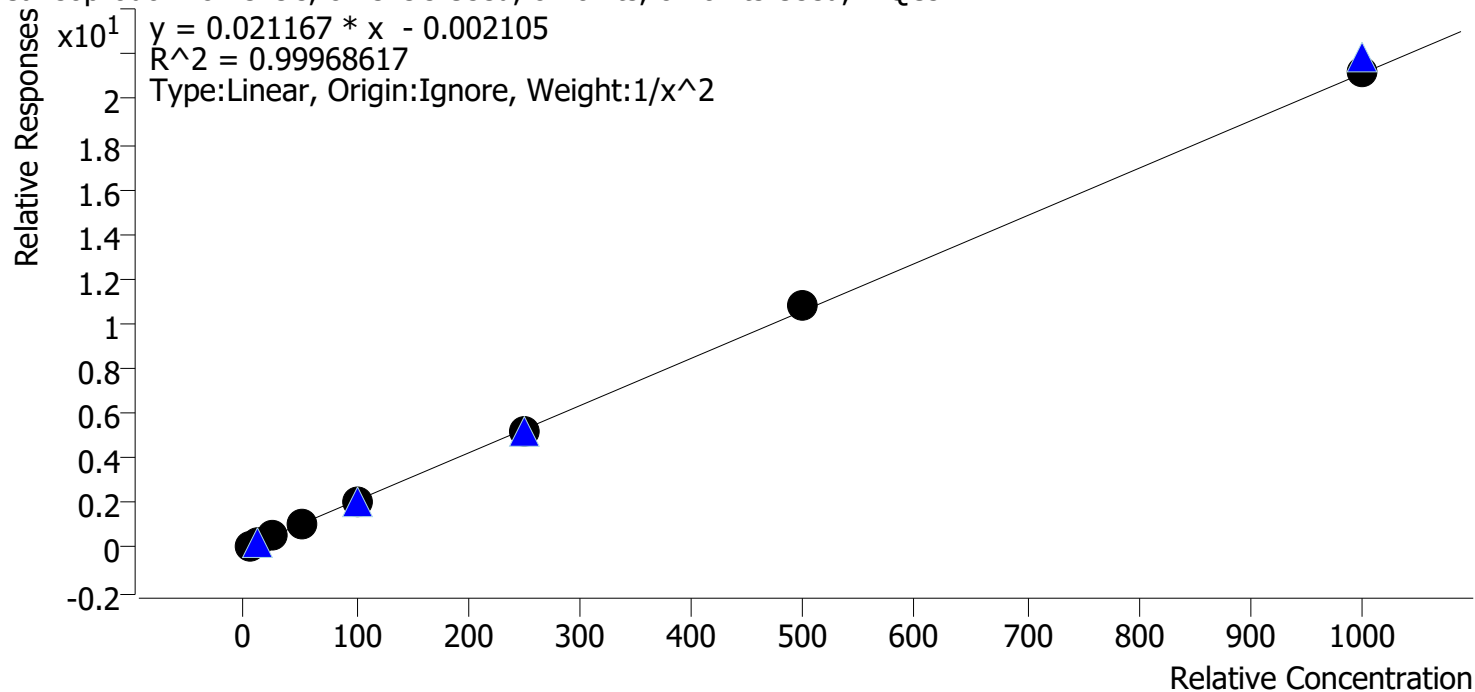


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	48.9	97.9
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	503.2	100.6
cal 8 mdq	8	✓	1000.0	1049.1	104.9

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

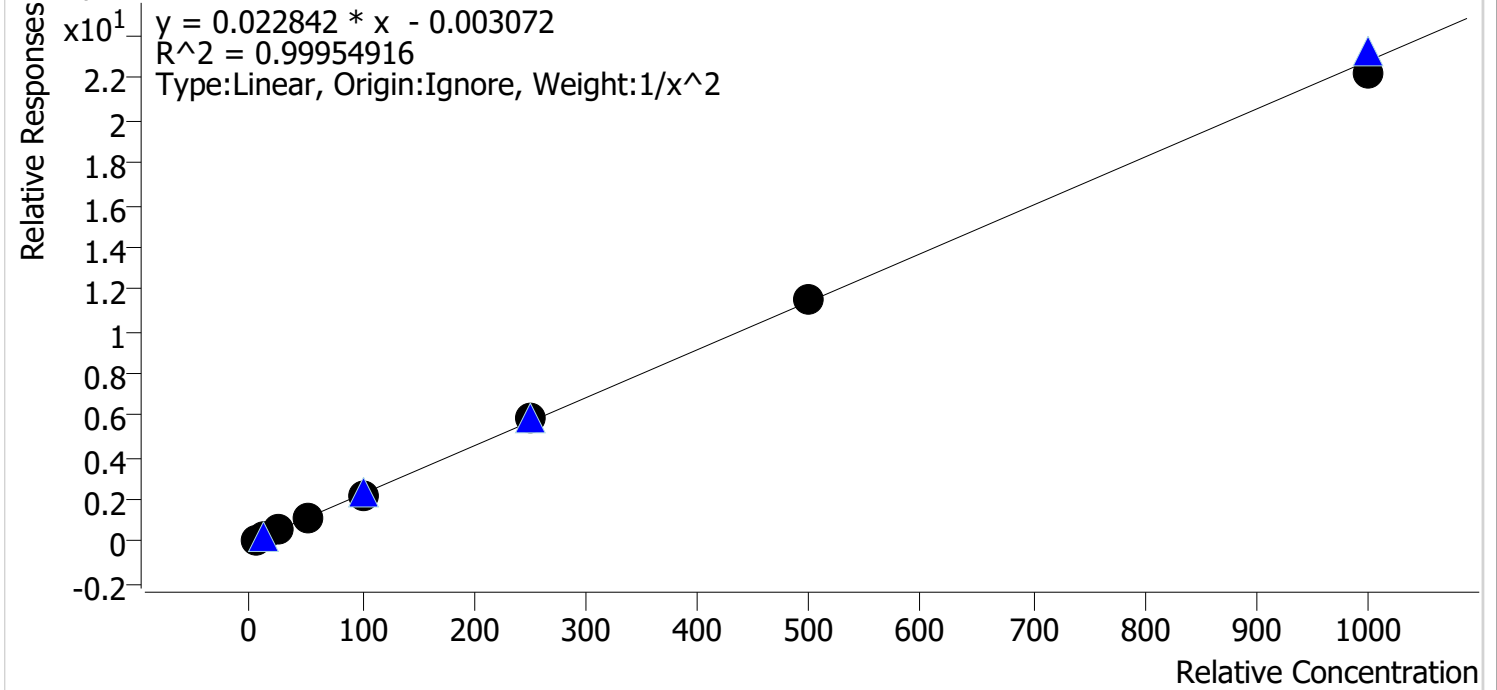


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	245.1	98.1
cal 7 mdq	7	✓	500.0	510.2	102.0
cal 8 mdq	8	✓	1000.0	1005.9	100.6

Compound Calibration Report

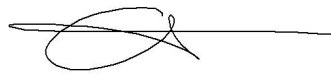
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Citalopram **Internal Standard** Citalopram-D6

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



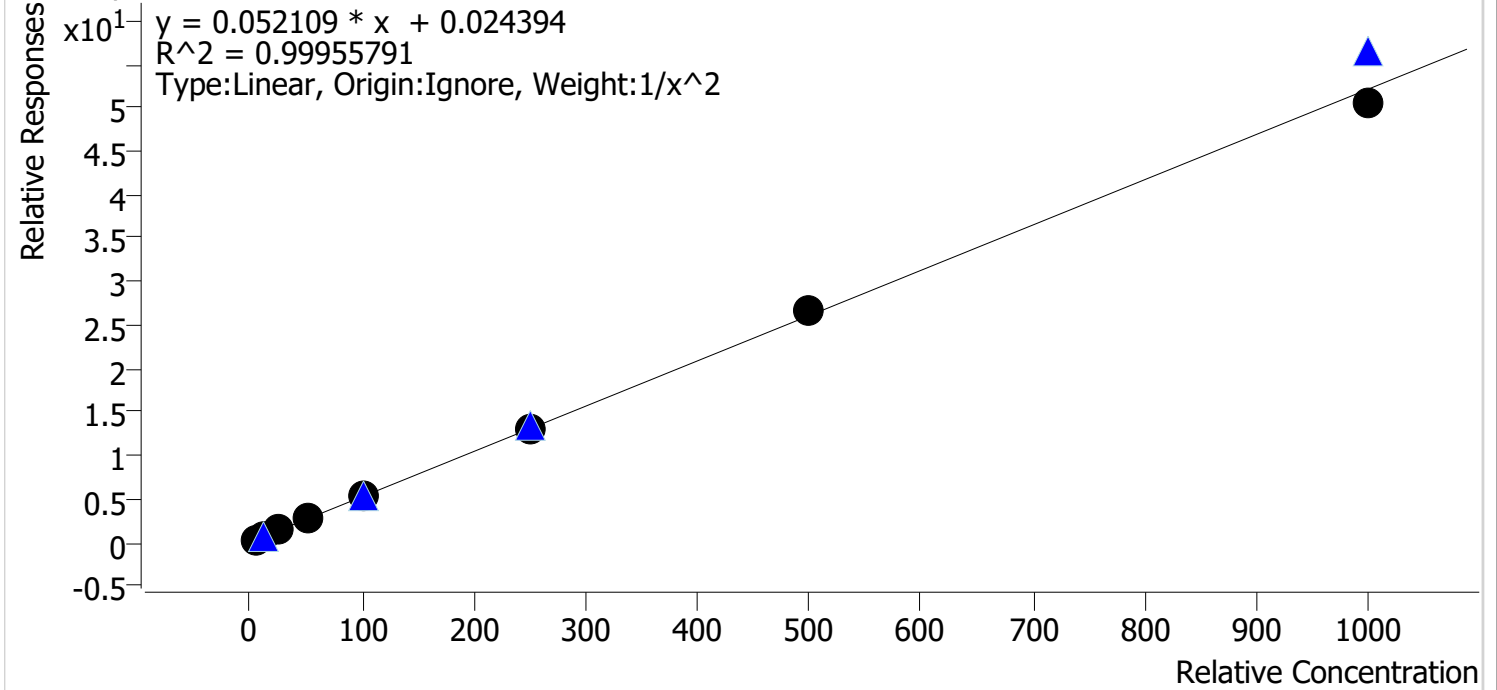
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	25.5	101.8
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	255.1	102.0
cal 7 mdq	7	✓	500.0	506.3	101.3
cal 8 mdq	8	✓	1000.0	975.6	97.6

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



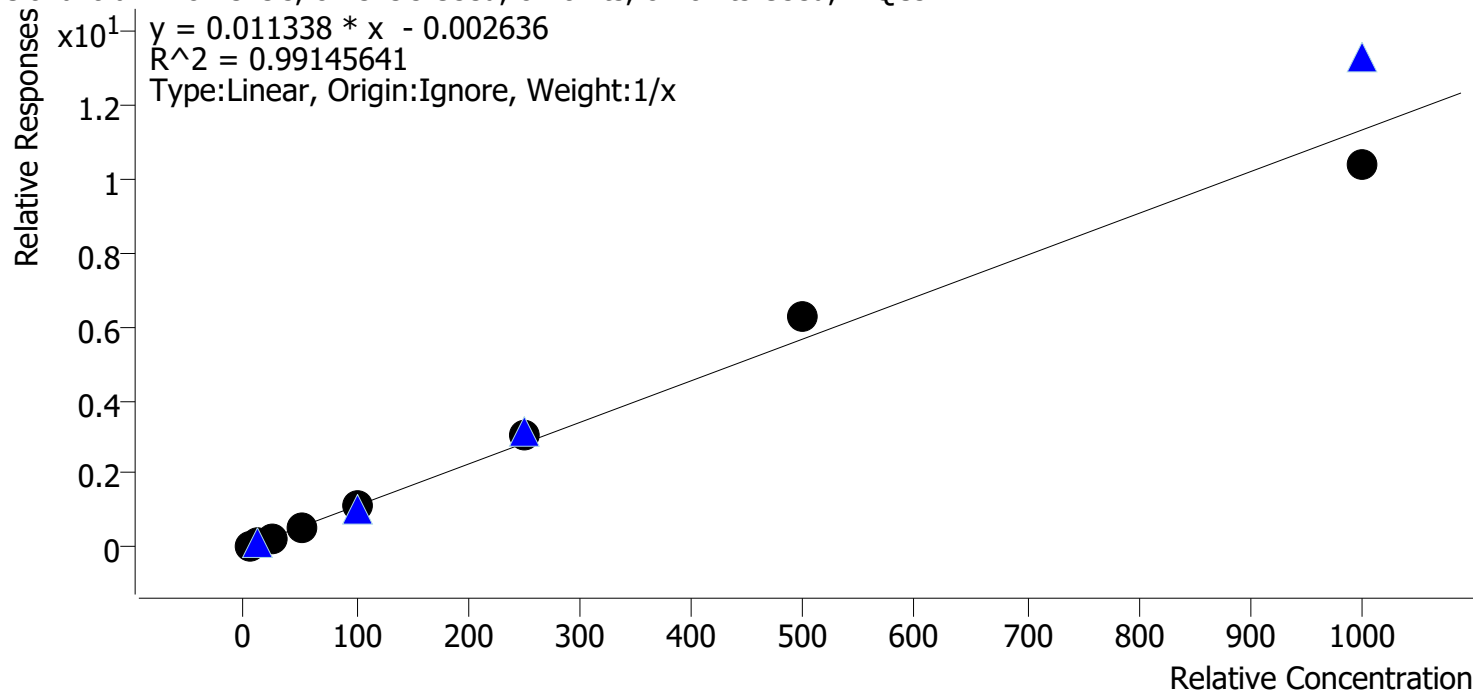
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	507.5	101.5
cal 8 mdq	8	✓	1000.0	970.8	97.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Clonazolam **Internal Standard** Temazepam-D5

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



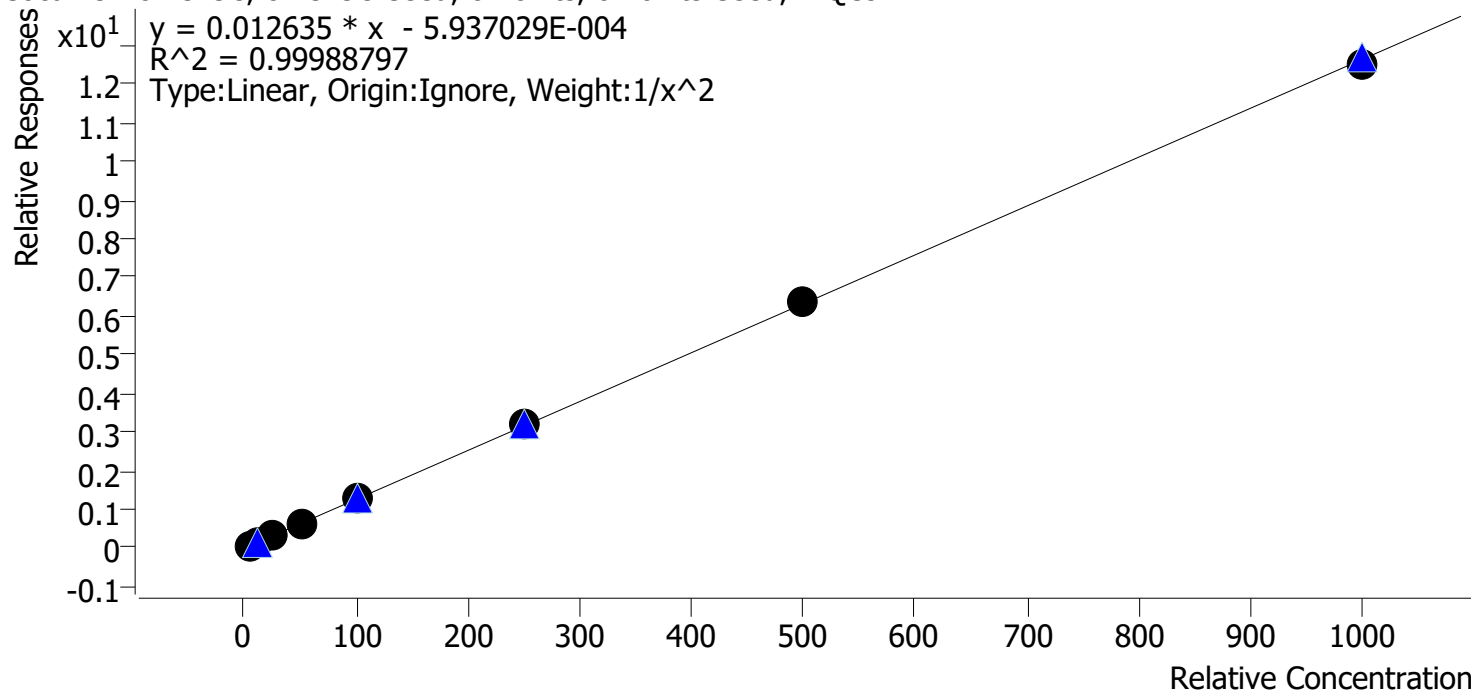
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.3	93.3
cal 3 mdq	3	✓	25.0	22.3	89.2
cal 4 mdq	4	✓	50.0	49.6	99.2
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	272.1	108.8
cal 7 mdq	7	✓	500.0	556.2	111.2
cal 8 mdq	8	✓	1000.0	920.2	92.0

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Cocaine **Internal Standard** Cocaine-d3

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



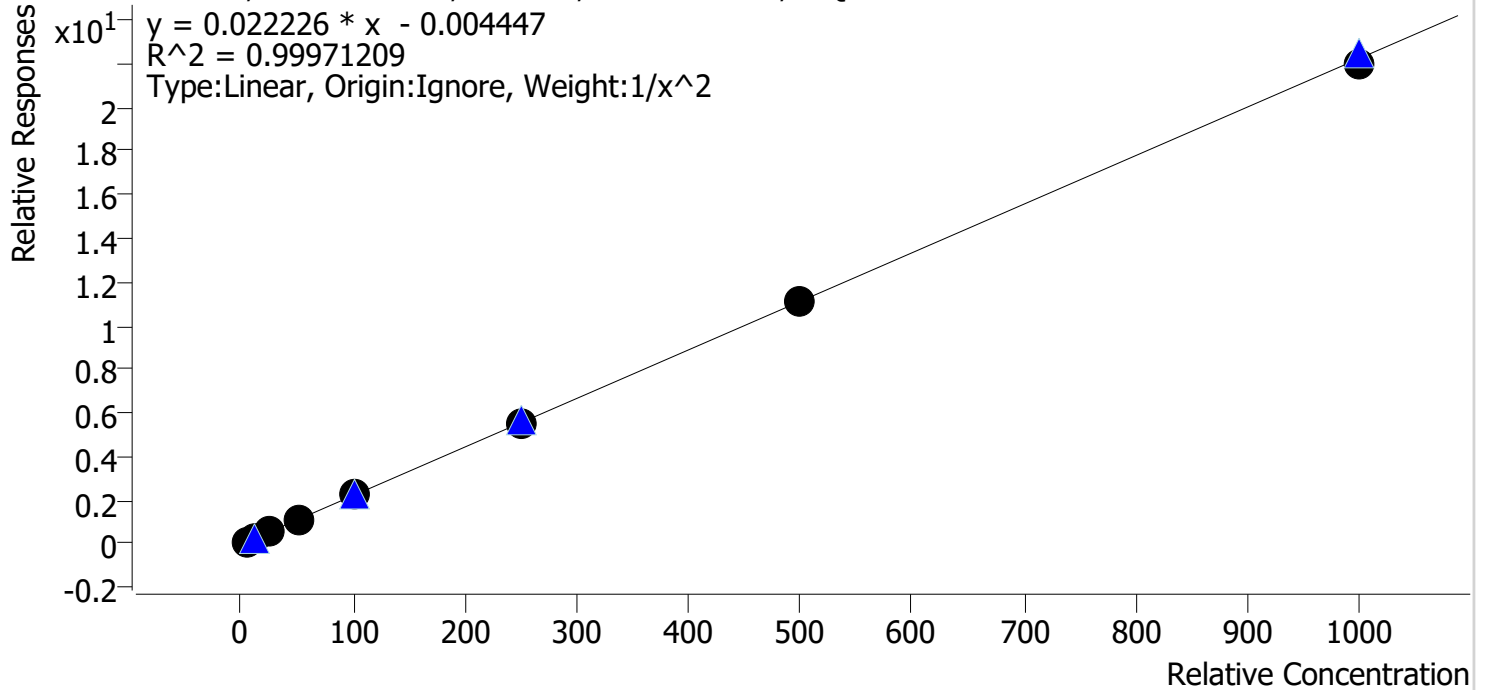
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	250.4	100.2
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	990.8	99.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Codeine **Internal Standard** Codeine-D6

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



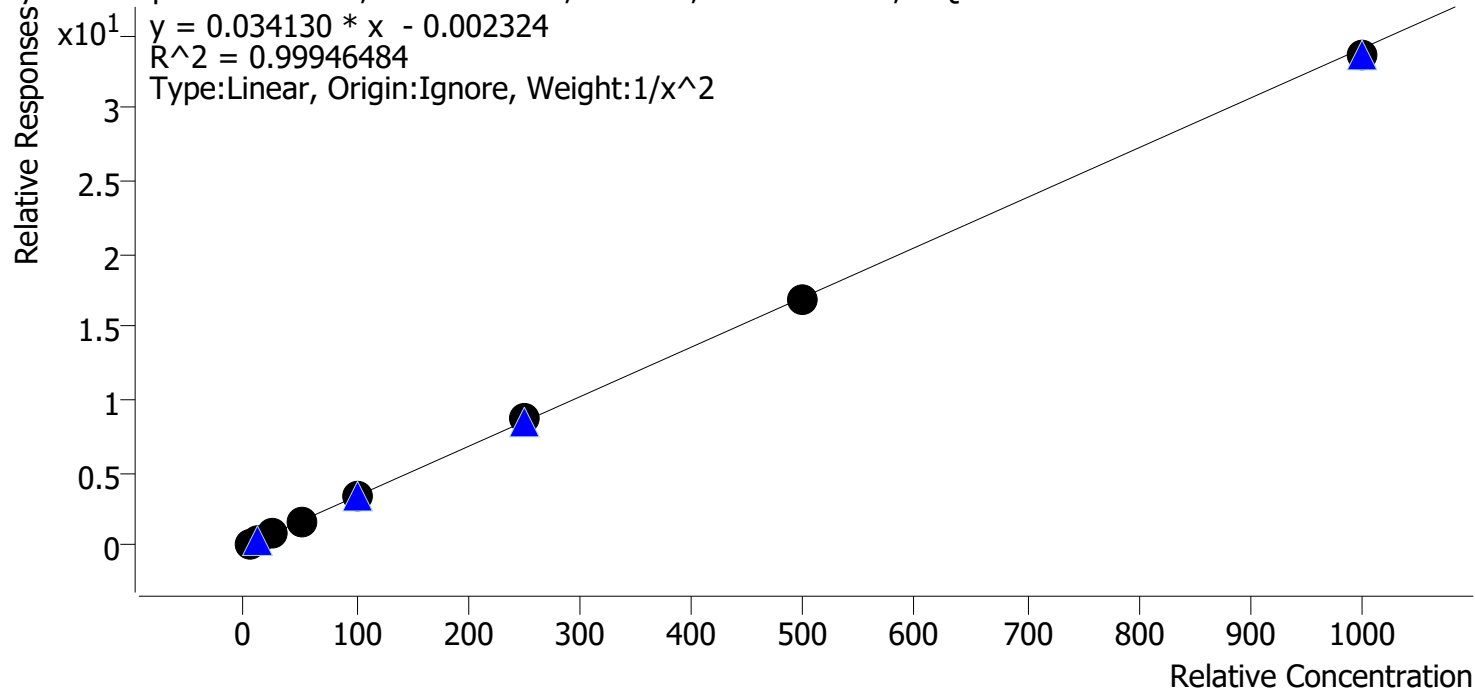
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	245.9	98.4
cal 7 mdq	7	✓	500.0	499.0	99.8
cal 8 mdq	8	✓	1000.0	989.5	98.9

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



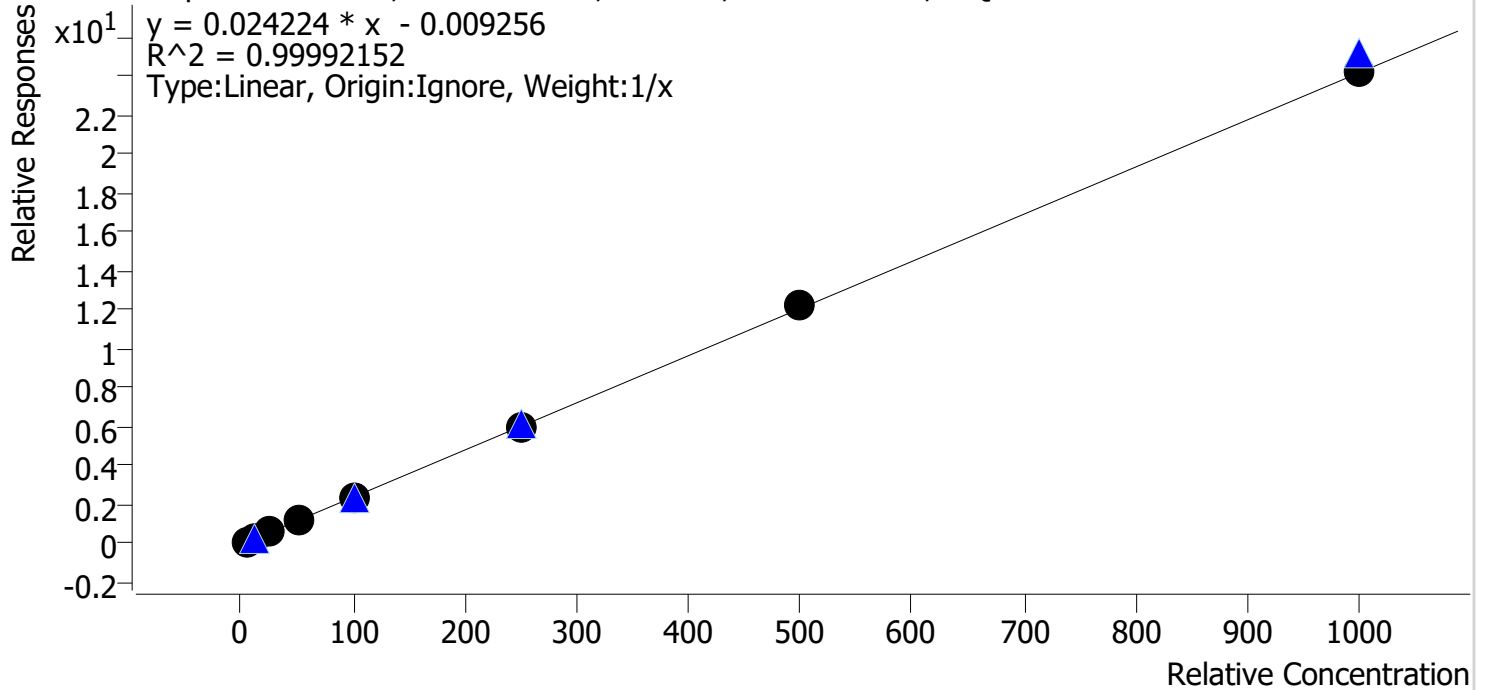
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	494.8	99.0
cal 8 mdq	8	✓	1000.0	983.2	98.3

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

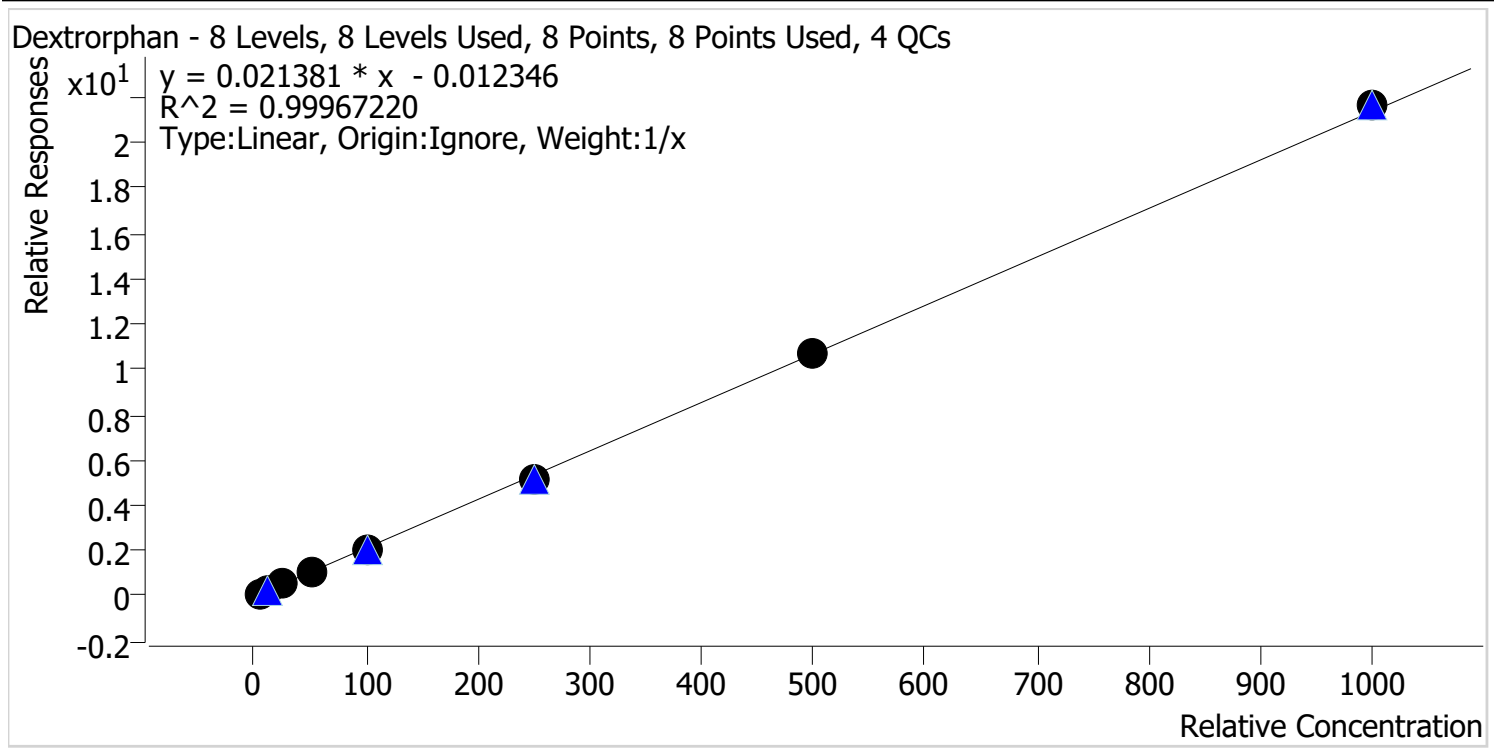


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.1
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	503.7	100.7
cal 8 mdq	8	✓	1000.0	1000.5	100.0

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



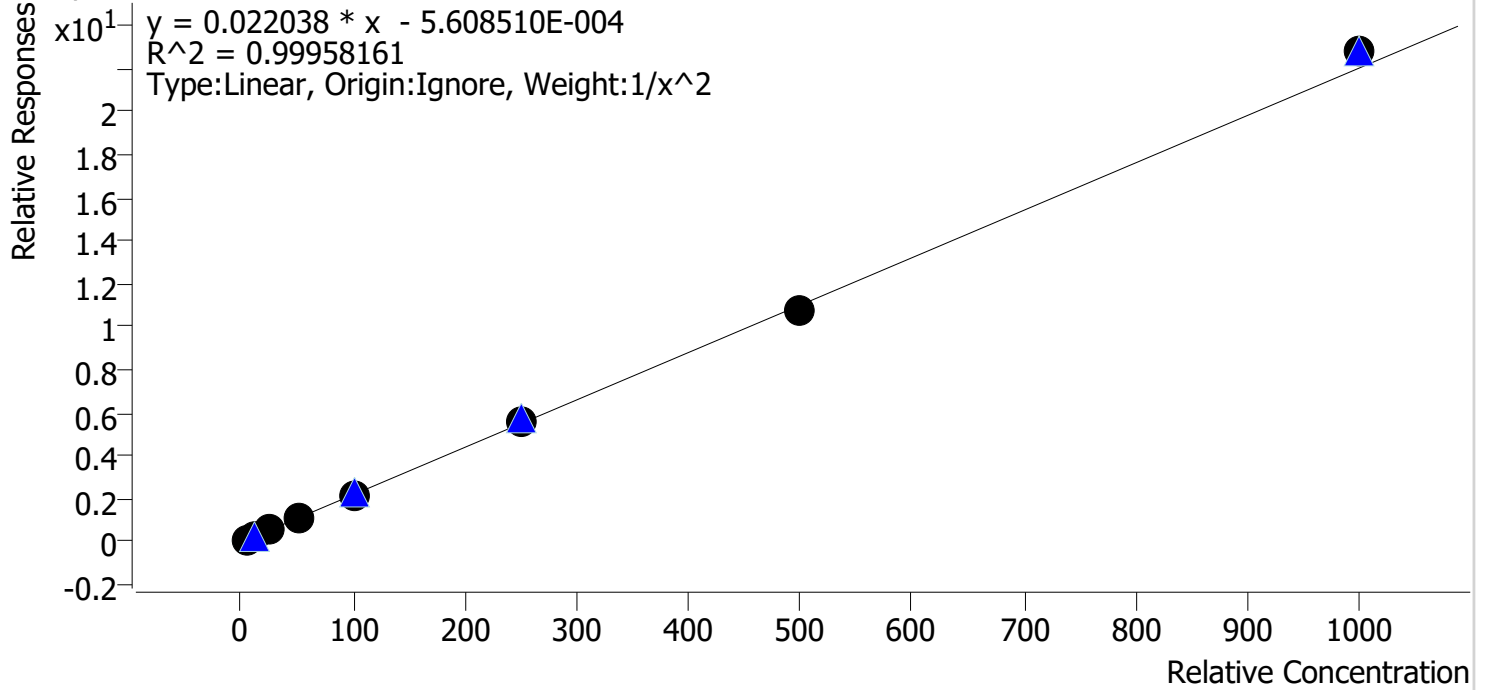
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	111.0
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	48.1	96.3
cal 5 mdq	5	✓	100.0	96.2	96.2
cal 6 mdq	6	✓	250.0	243.9	97.5
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	1012.2	101.2

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Diazepam **Internal Standard** Diazepam-D5

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



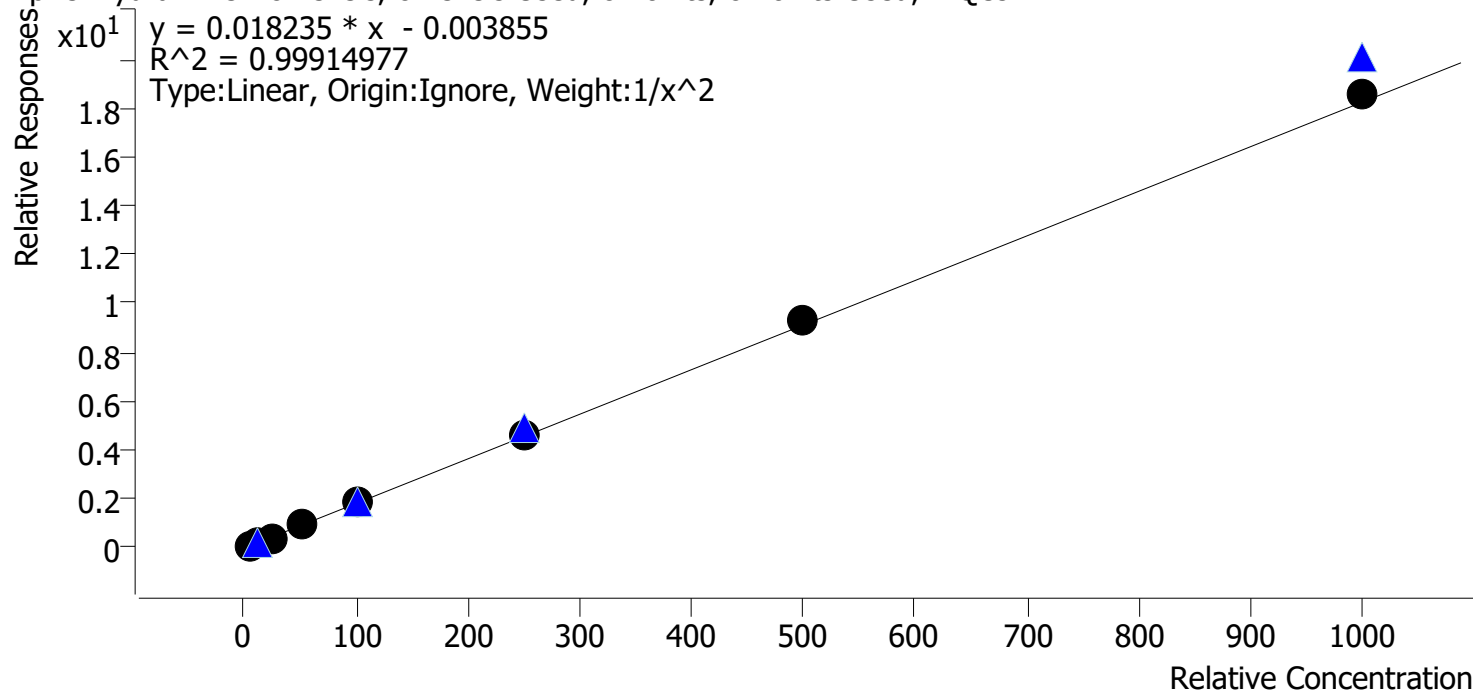
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	490.6	98.1
cal 8 mdq	8	✓	1000.0	1032.2	103.2

Compound Calibration Report



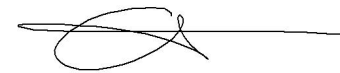
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



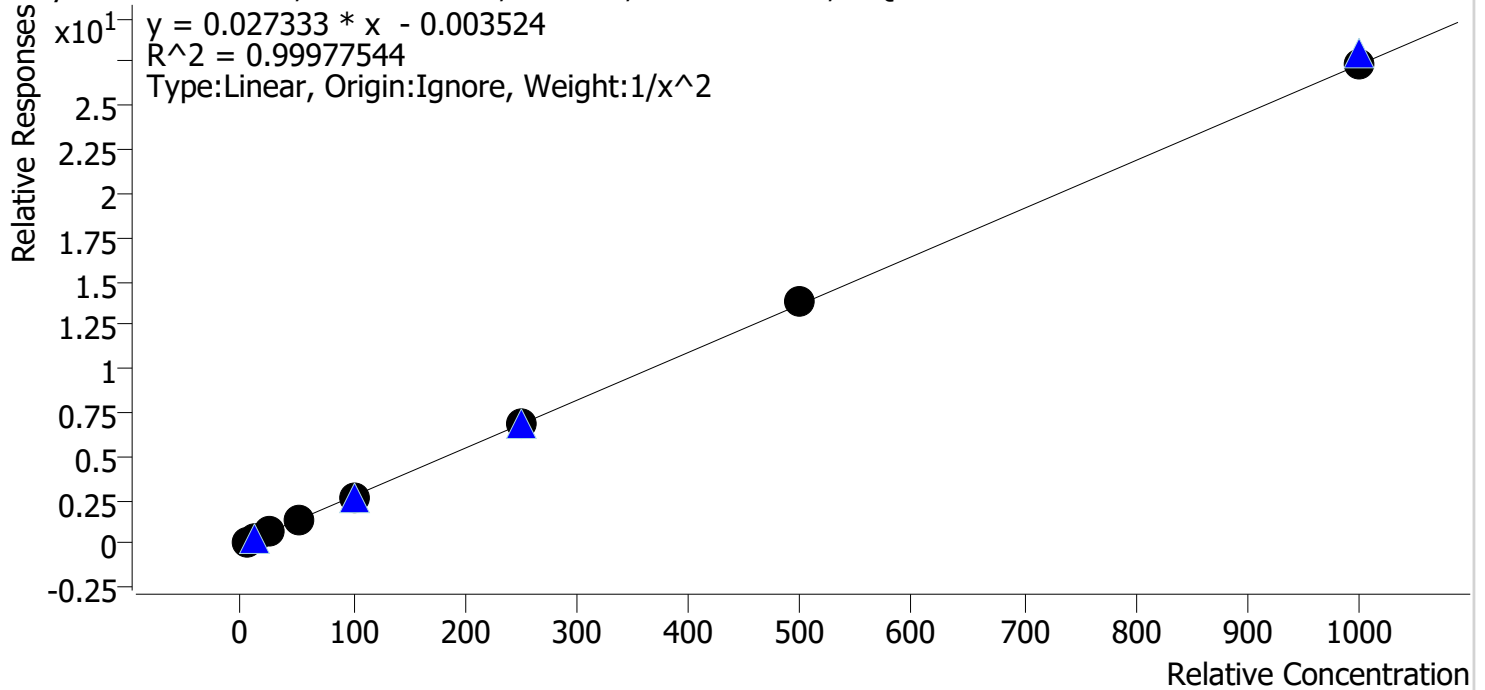
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.8
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	251.9	100.8
cal 7 mdq	7	✓	500.0	511.6	102.3
cal 8 mdq	8	✓	1000.0	1017.7	101.8

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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

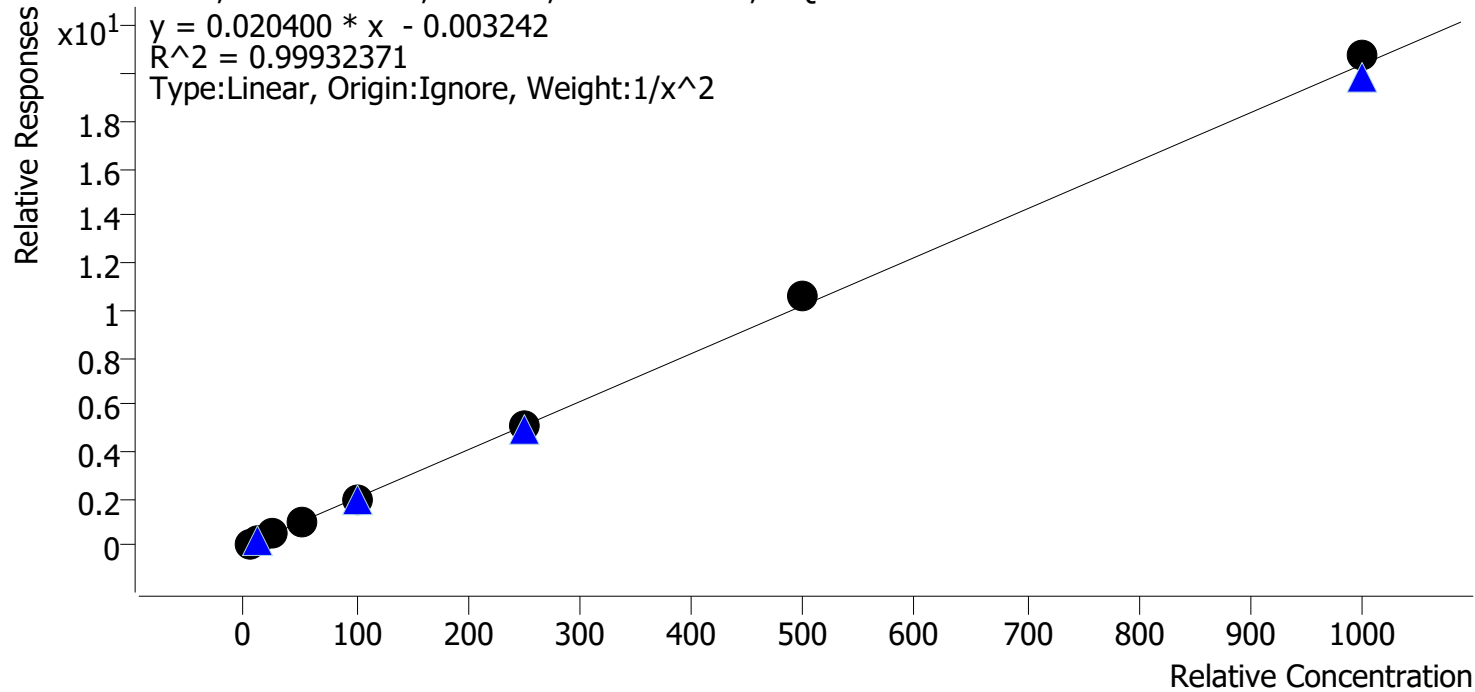


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	509.5	101.9
cal 8 mdq	8	✓	1000.0	998.4	99.8

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte EDDP **Internal Standard** EDDP-D3

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



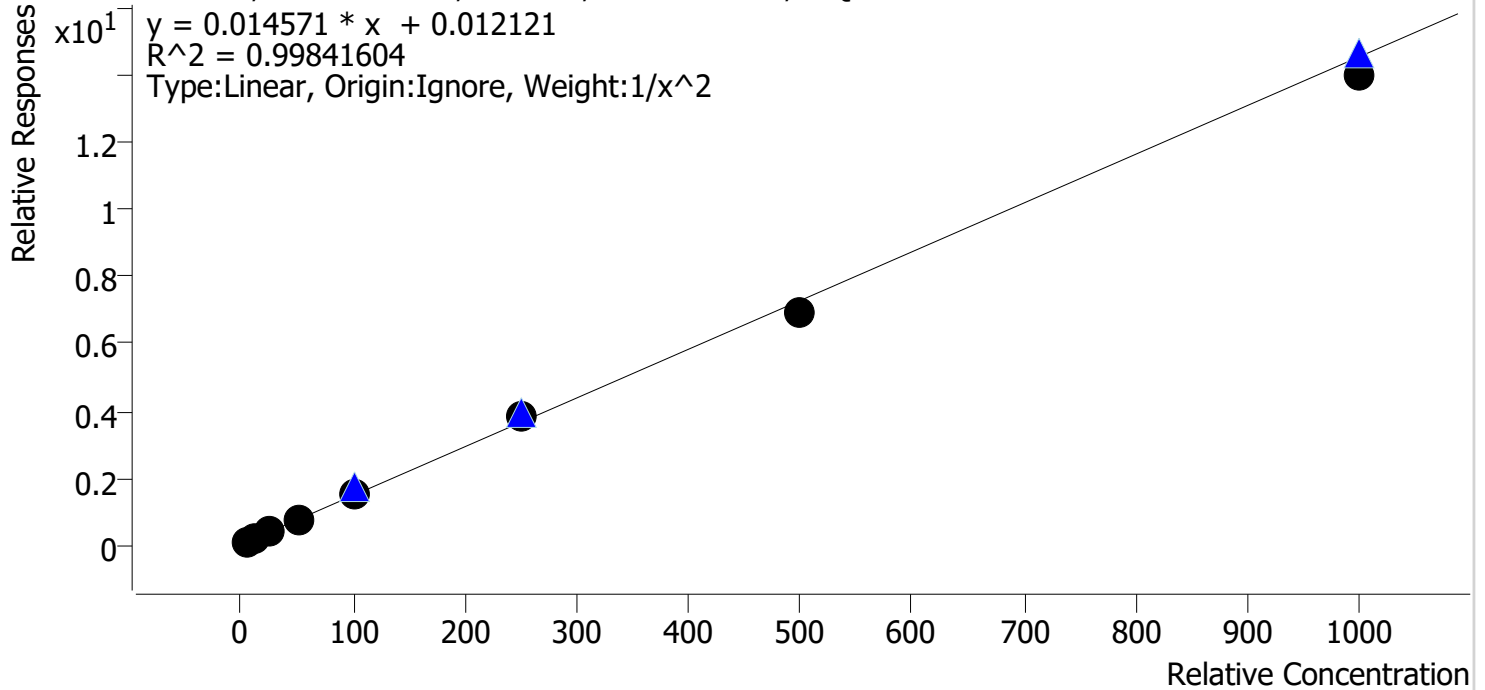
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	49.7	99.5
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	517.7	103.5
cal 8 mdq	8	✓	1000.0	1018.7	101.9

Compound Calibration Report



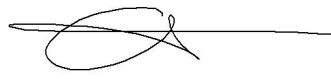
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Etizolam **Internal Standard** Diazepam-D5

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



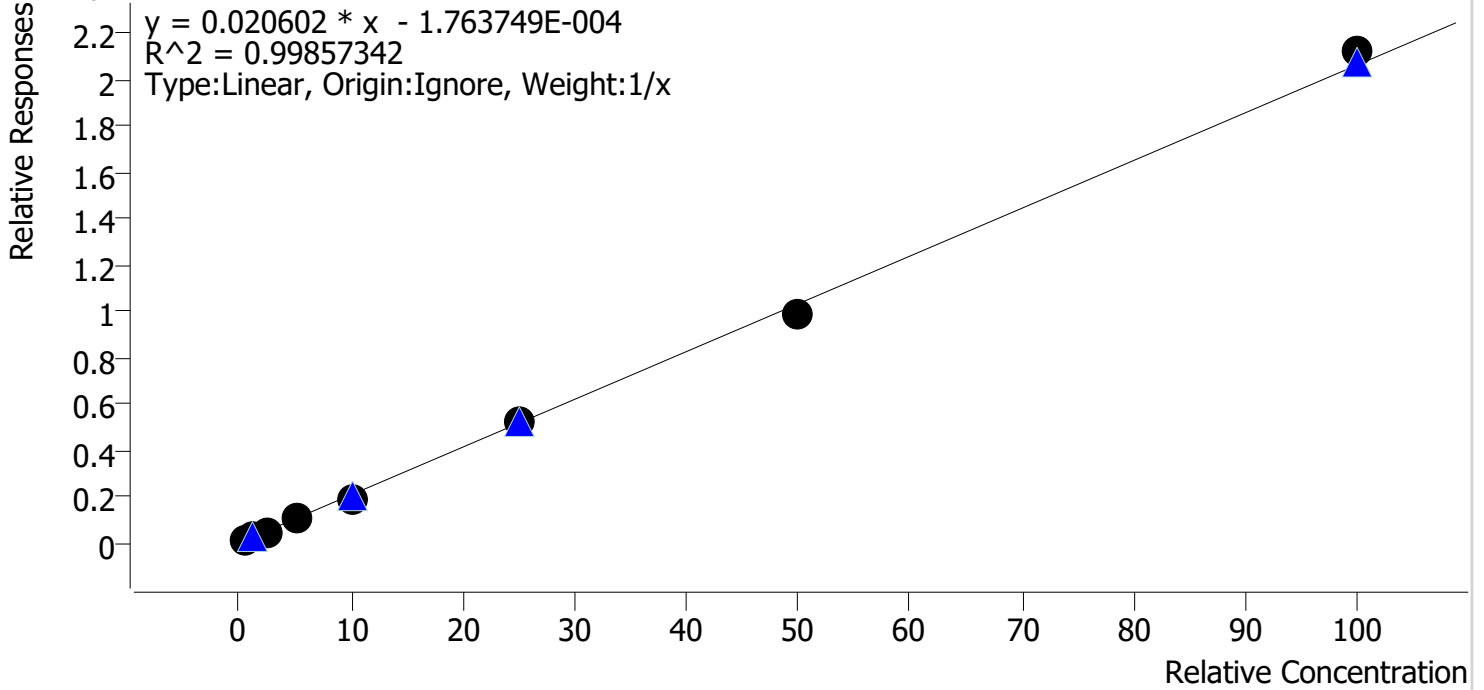
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.7	96.9
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	103.9	103.9
cal 6 mdq	6	✓	250.0	261.0	104.4
cal 7 mdq	7	✓	500.0	476.7	95.3
cal 8 mdq	8	✓	1000.0	963.2	96.3

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Fentanyl **Internal Standard** Fentanyl-D5

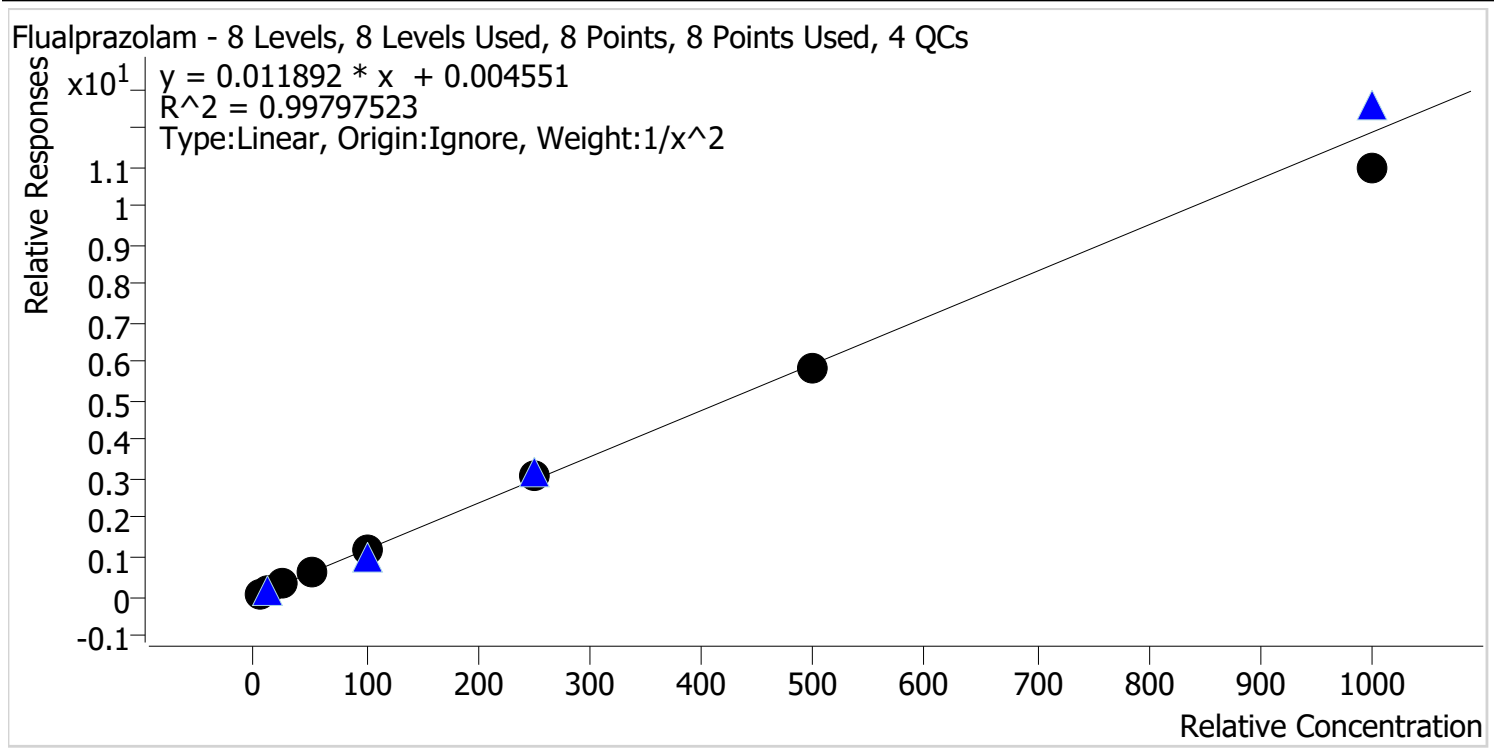
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	119.8
cal 2 mdq	2	✓	1.0	0.9	94.8
cal 3 mdq	3	✓	2.5	2.3	92.3
cal 4 mdq	4	✓	5.0	5.1	101.0
cal 5 mdq	5	✓	10.0	9.3	93.2
cal 6 mdq	6	✓	25.0	25.1	100.4
cal 7 mdq	7	✓	50.0	47.9	95.7
cal 8 mdq	8	✓	100.0	102.8	102.8

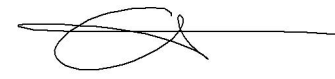
Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



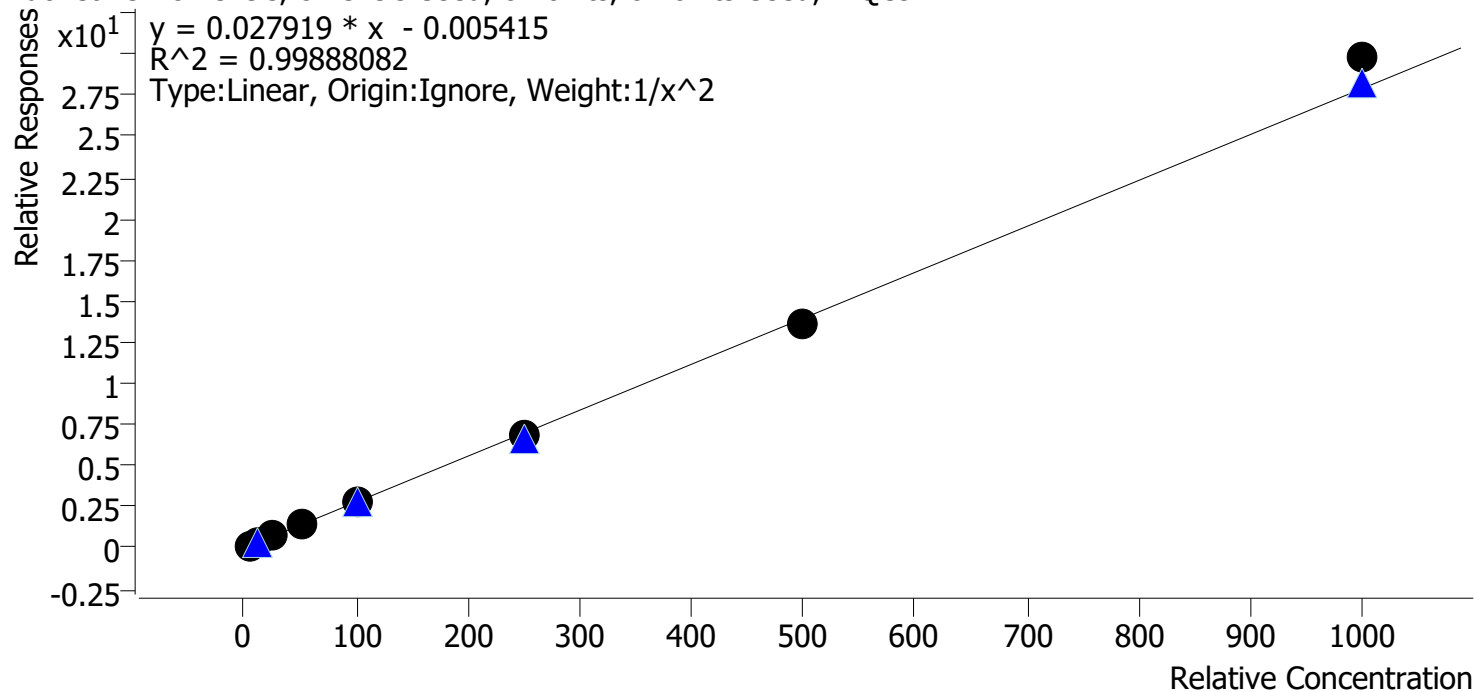
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	26.0	103.9
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	259.7	103.9
cal 7 mdq	7	✓	500.0	493.8	98.8
cal 8 mdq	8	✓	1000.0	920.7	92.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



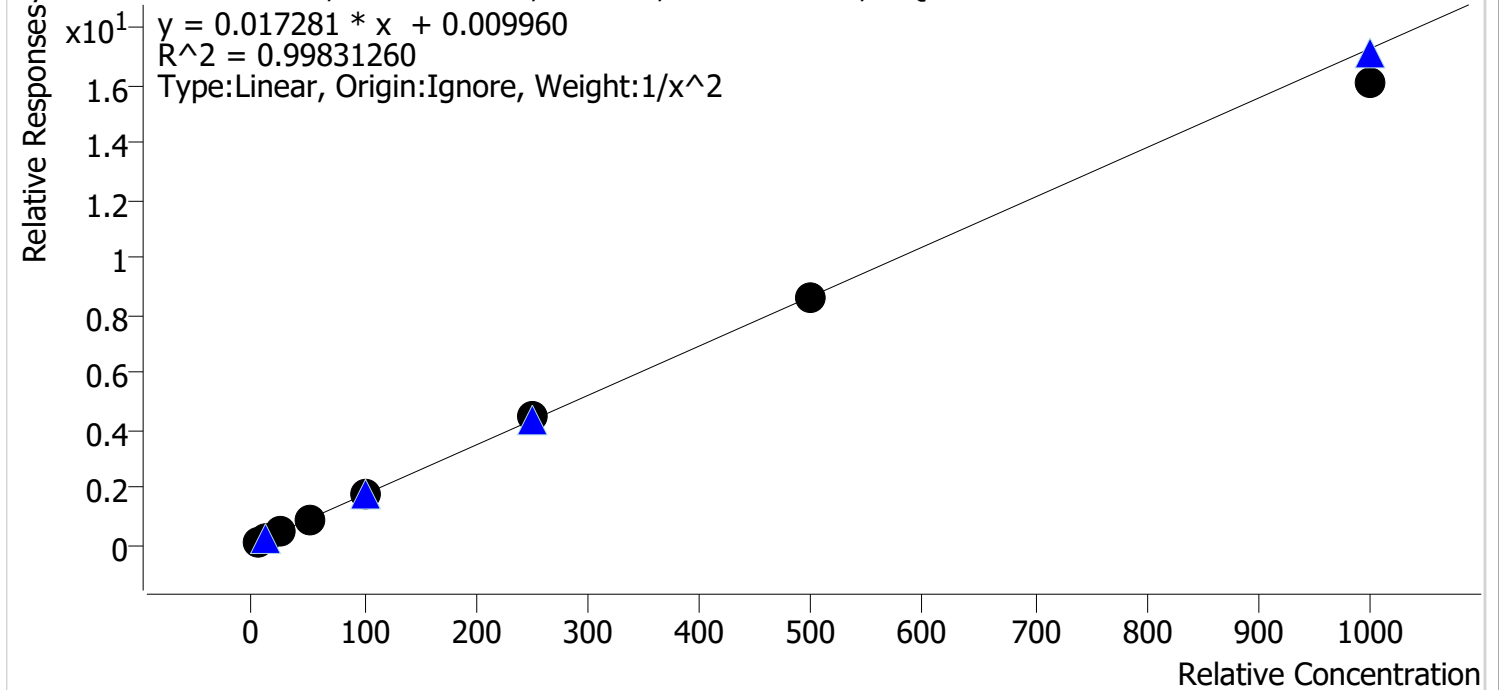
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	246.6	98.6
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	1067.4	106.7

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



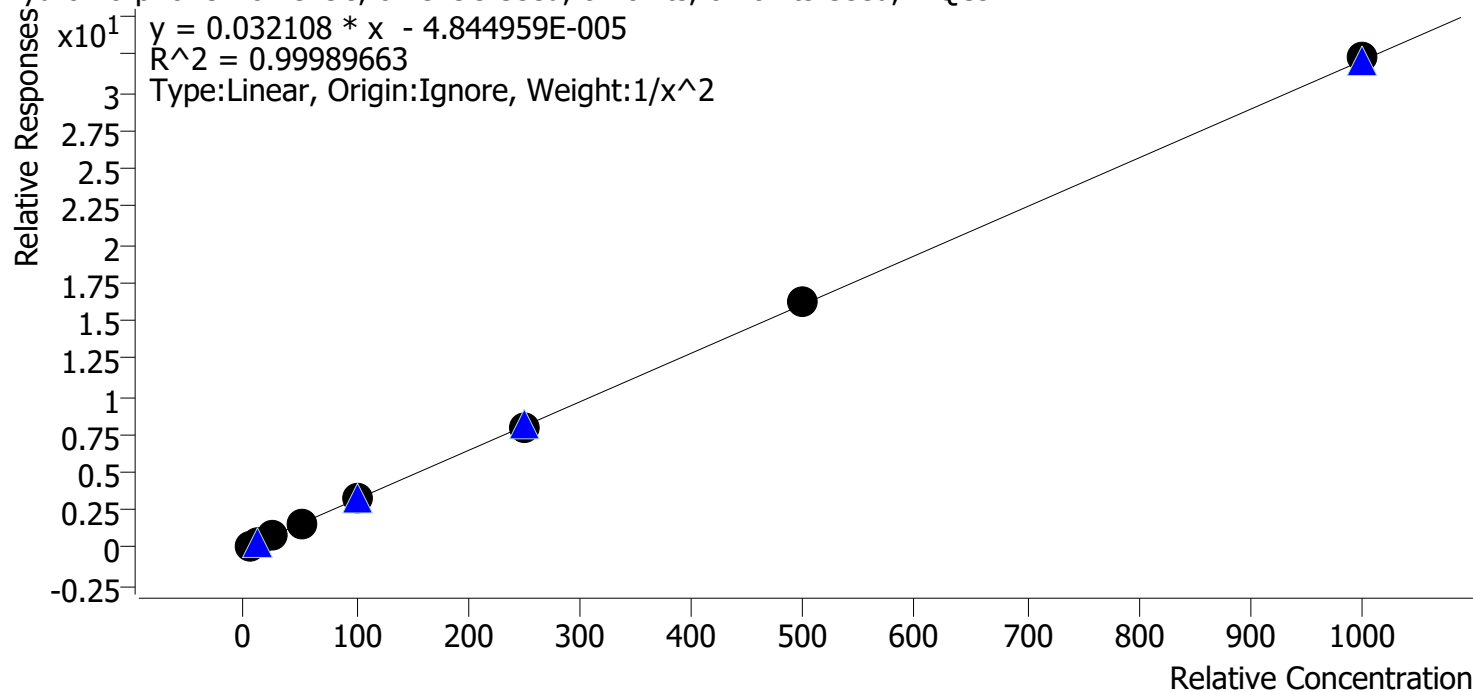
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	49.7	99.3
cal 5 mdq	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	258.7	103.5
cal 7 mdq	7	✓	500.0	494.4	98.9
cal 8 mdq	8	✓	1000.0	928.7	92.9

Compound Calibration Report



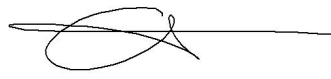
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



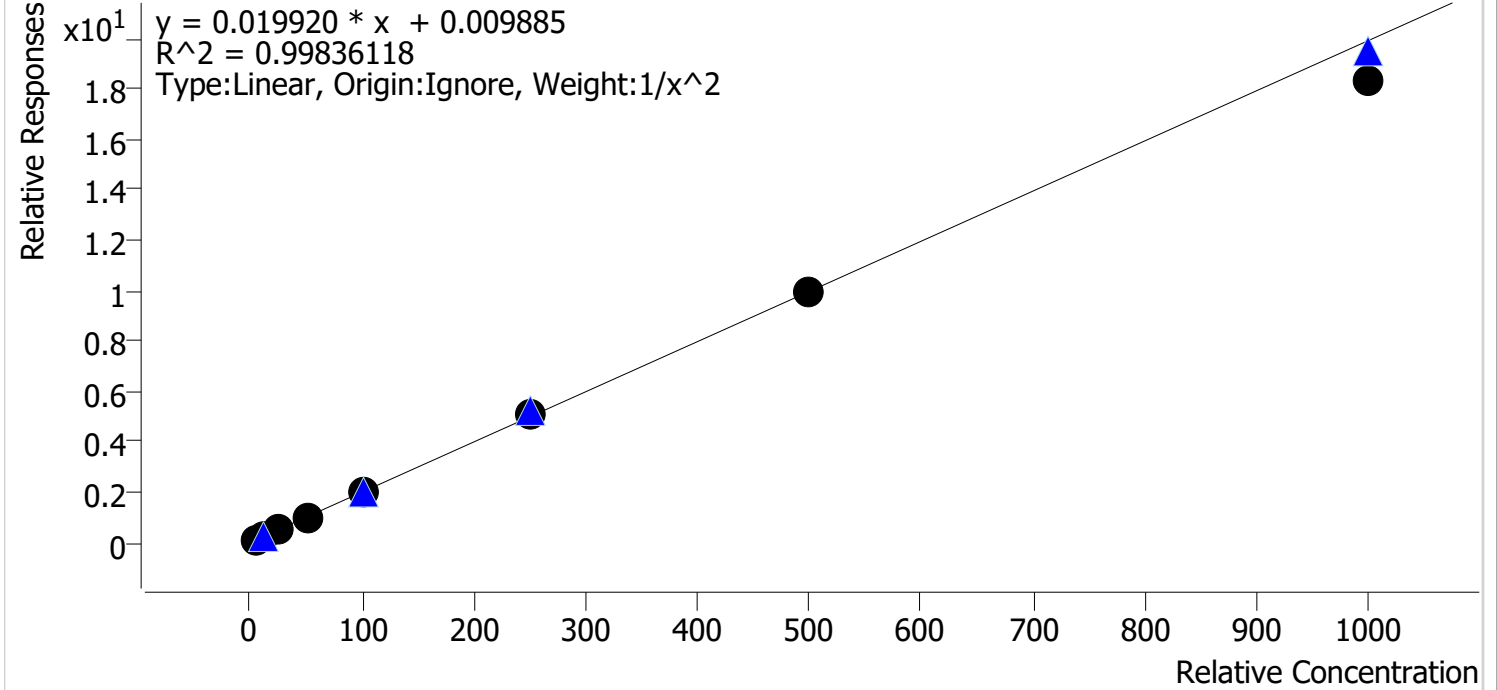
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	502.5	100.5
cal 8 mdq	8	✓	1000.0	1006.0	100.6

Compound Calibration Report



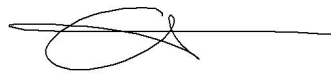
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Ketamine **Internal Standard** Ketamine-D4

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



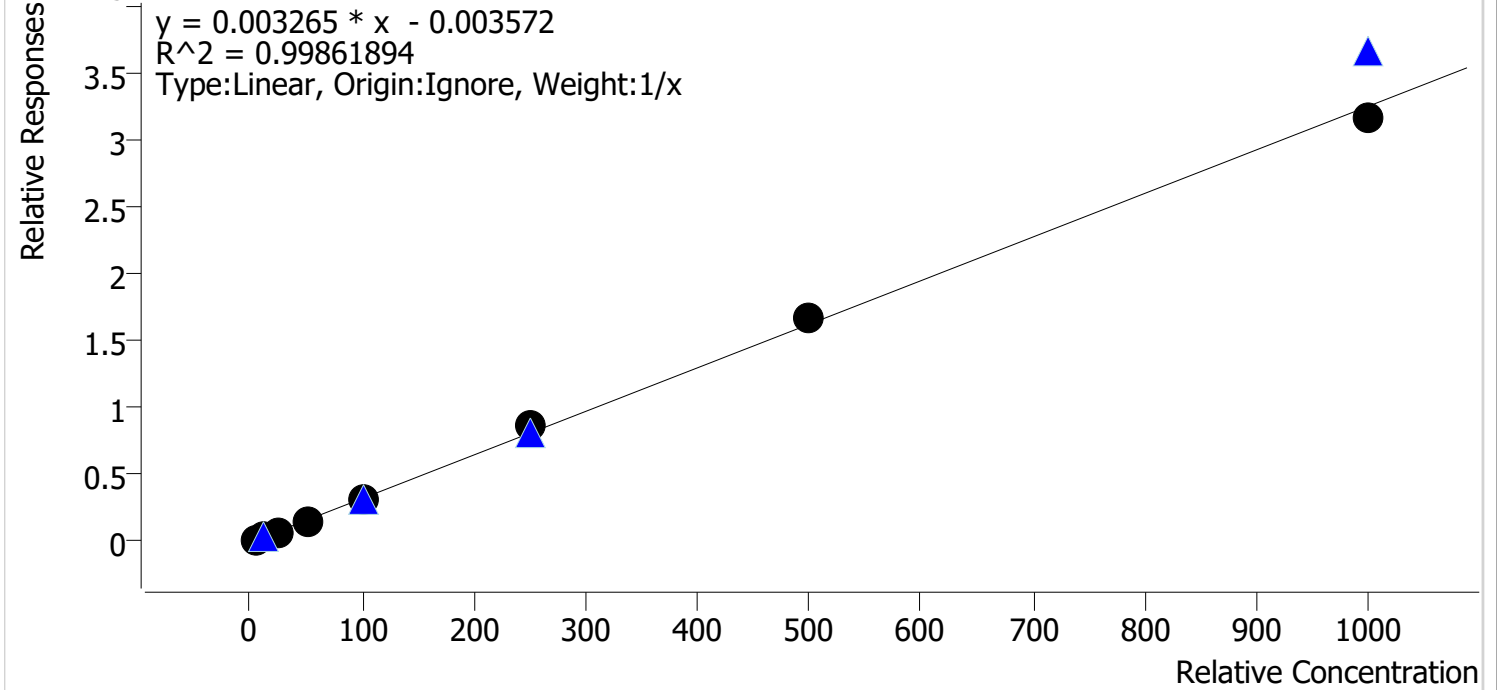
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	51.1	102.3
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	497.3	99.5
cal 8 mdq	8	✓	1000.0	921.8	92.2

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Lamotrigine **Internal Standard** MDA-D5

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



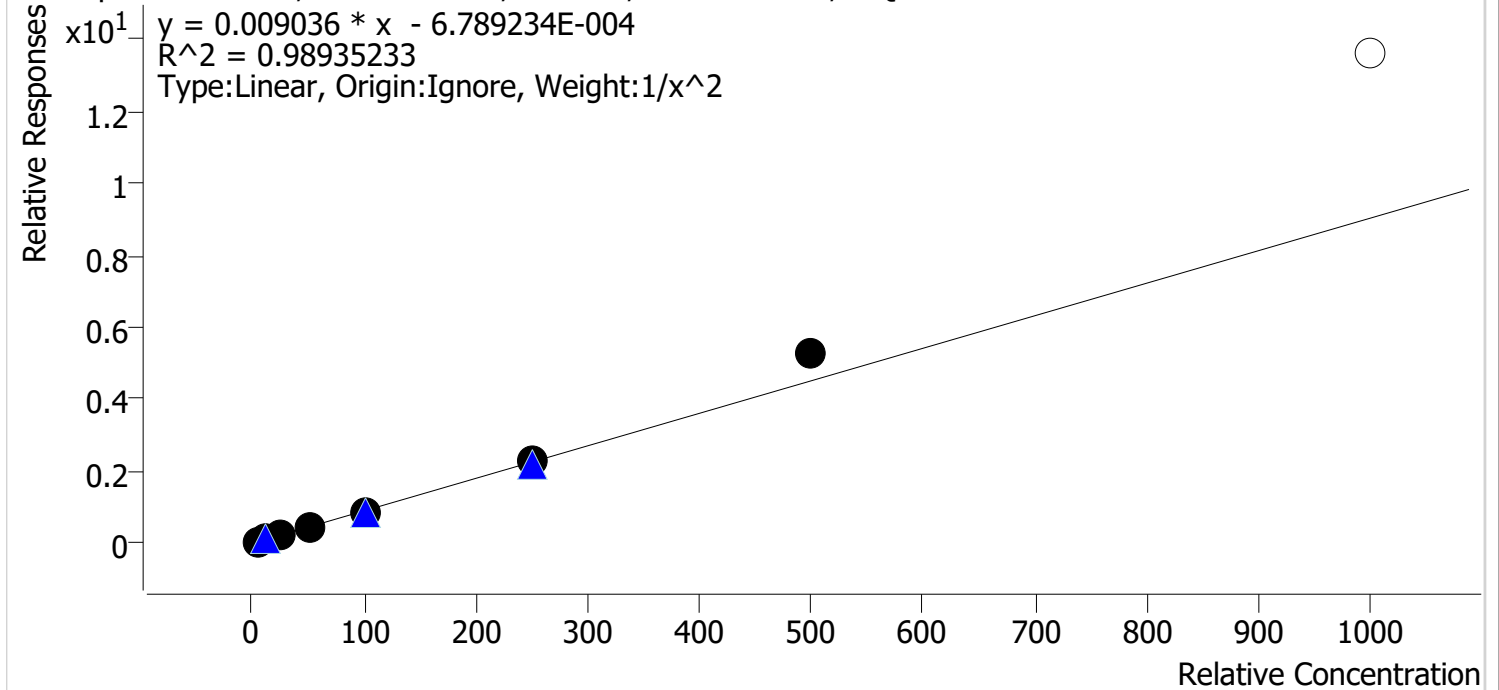
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.0
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	46.6	93.2
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	265.0	106.0
cal 7 mdq	7	✓	500.0	516.4	103.3
cal 8 mdq	8	✓	1000.0	975.4	97.5

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	23.5	93.9
cal 4 mdq	4	✓	50.0	46.3	92.5
cal 5 mdq	5	✓	100.0	91.6	91.6
cal 6 mdq	6	✓	250.0	255.2	102.1
cal 7 mdq	7	✓	500.0	585.1	117.0
cal 8 mdq	8	✗	1000.0	1506.2	150.6

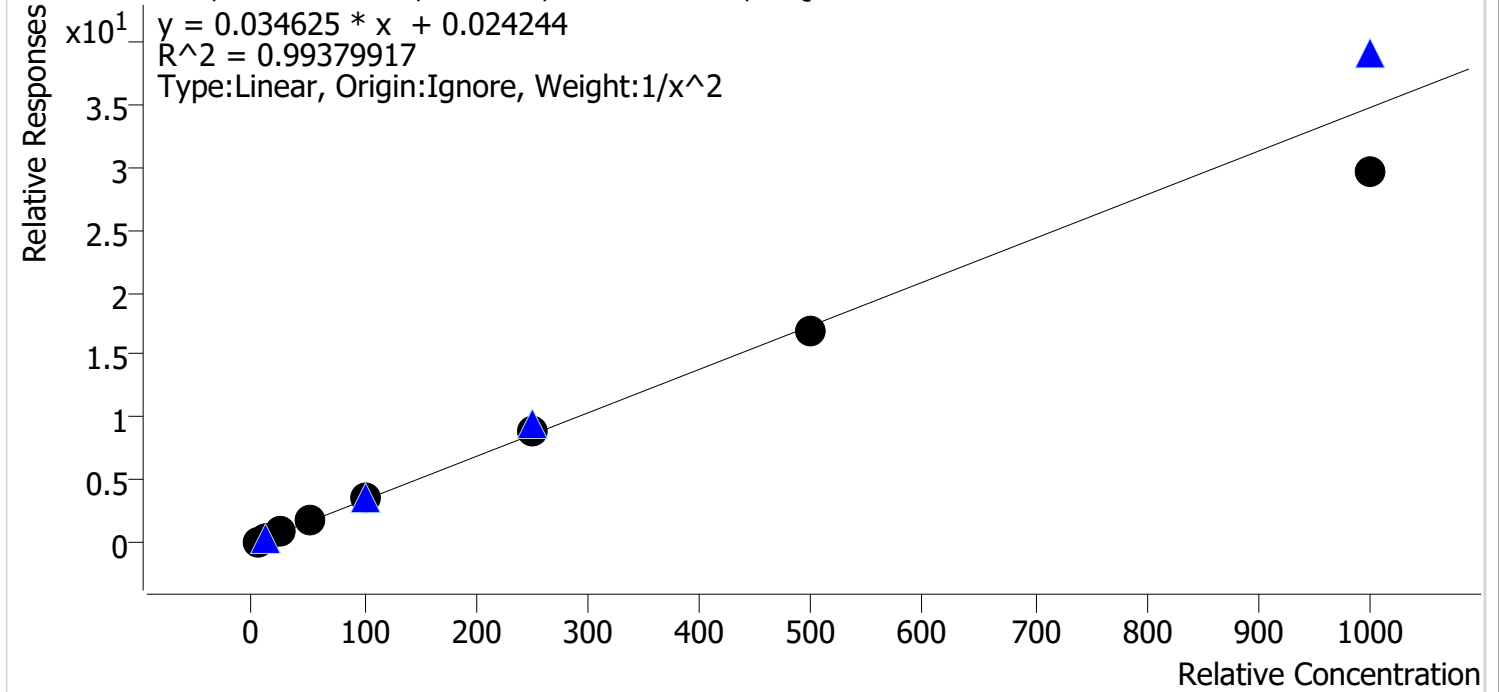
dropped cal 8 due to accuracy

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte MDA **Internal Standard** MDA-D5

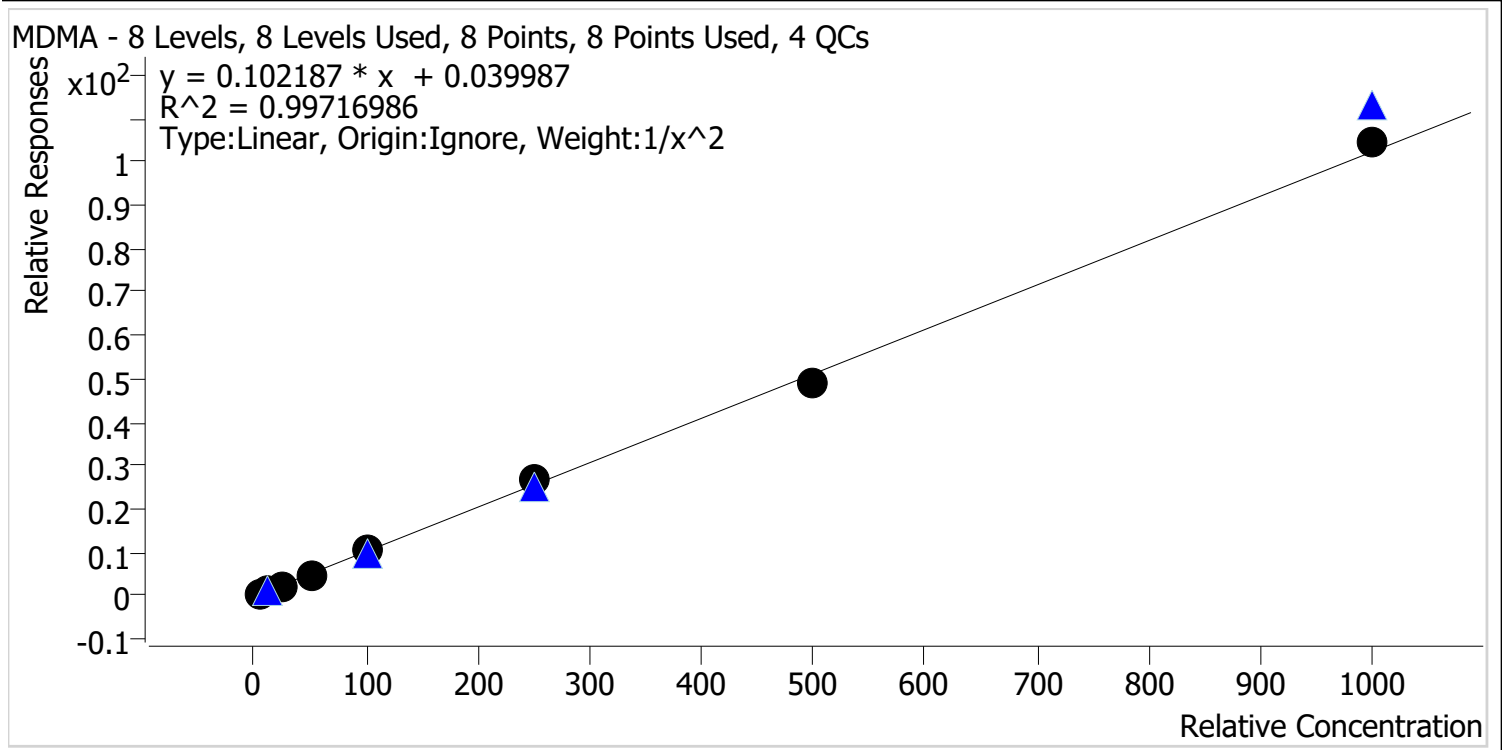
MDA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.4
cal 2 mdq	2	✓	10.0	10.6	106.5
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	259.4	103.8
cal 7 mdq	7	✓	500.0	490.1	98.0
cal 8 mdq	8	✓	1000.0	855.8	85.6

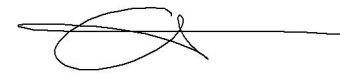
Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte MDMA **Internal Standard** MDMA-D6



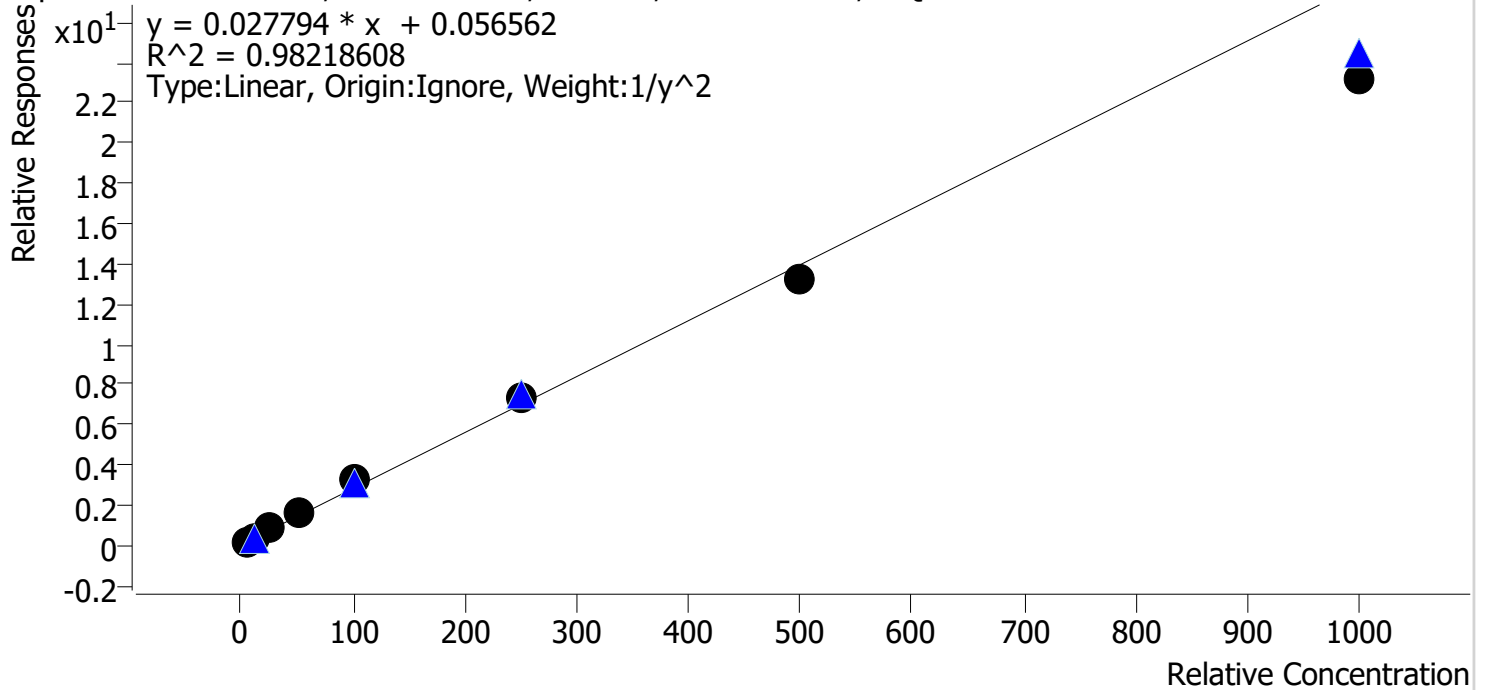
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	23.6	94.2
cal 4 mdq	4	✓	50.0	47.0	94.1
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	261.8	104.7
cal 7 mdq	7	✓	500.0	481.9	96.4
cal 8 mdq	8	✓	1000.0	1021.6	102.2

Compound Calibration Report



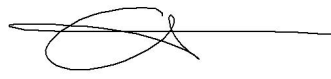
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



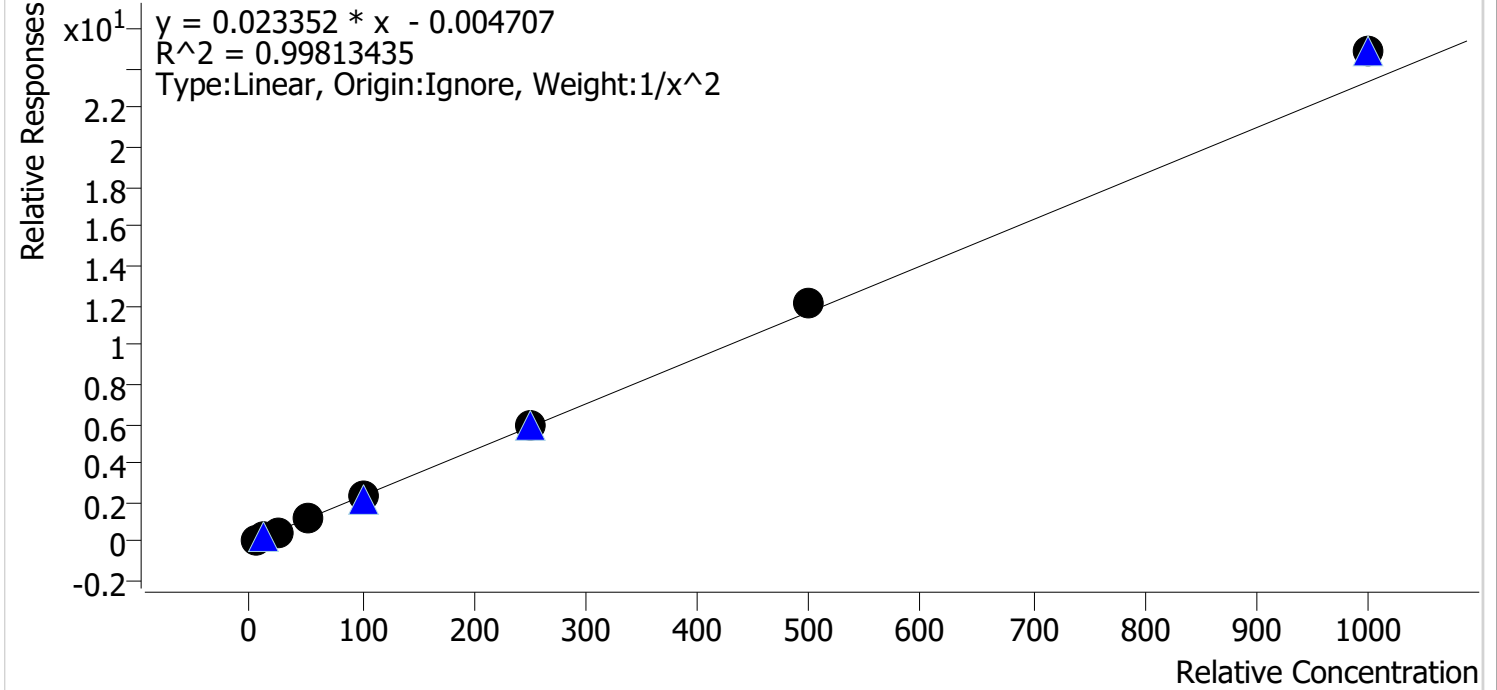
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.1
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	28.5	113.9
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	117.8	117.8
cal 6 mdq	6	✓	250.0	261.4	104.5
cal 7 mdq	7	✓	500.0	477.1	95.4
cal 8 mdq	8	✓	1000.0	828.9	82.9

Compound Calibration Report



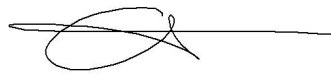
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Methadone **Internal Standard** Methadone-D9

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



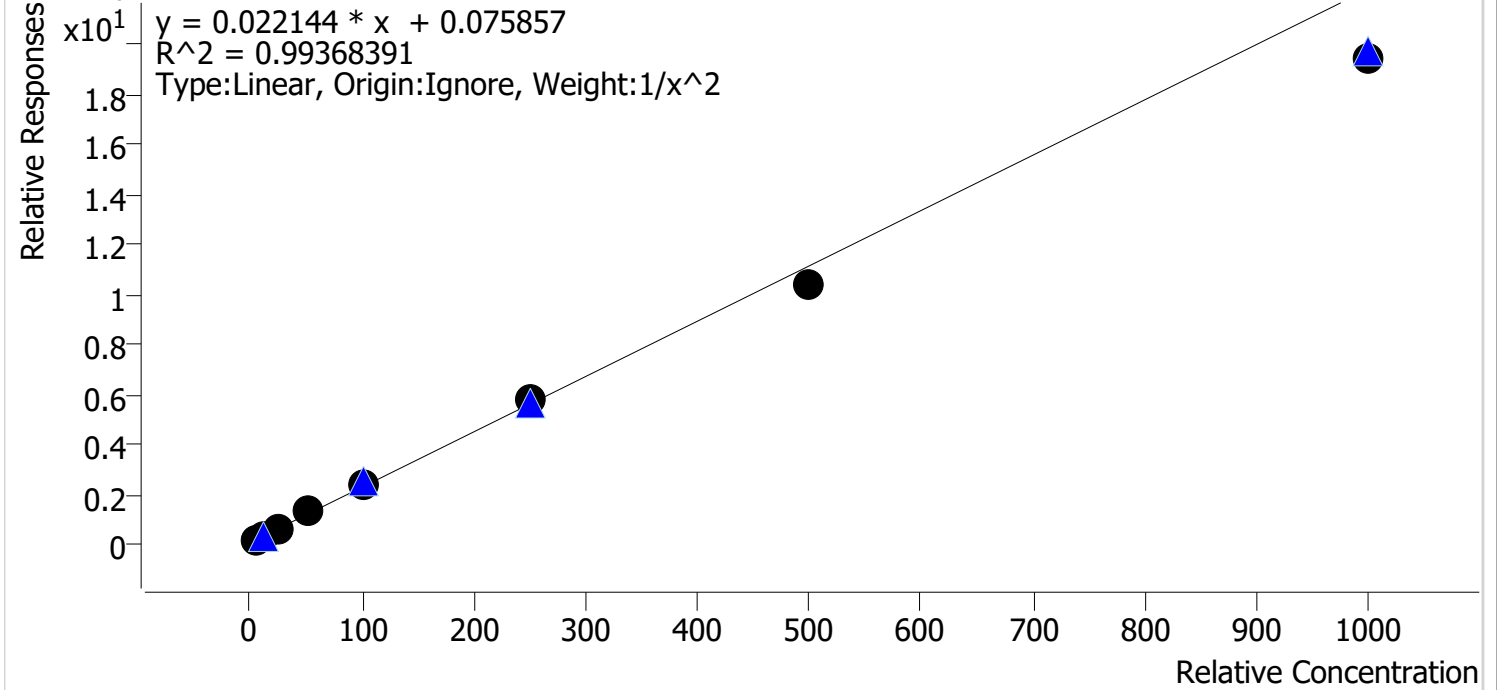
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	23.7	94.8
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	250.6	100.3
cal 7 mdq	7	✓	500.0	516.6	103.3
cal 8 mdq	8	✓	1000.0	1062.6	106.3

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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

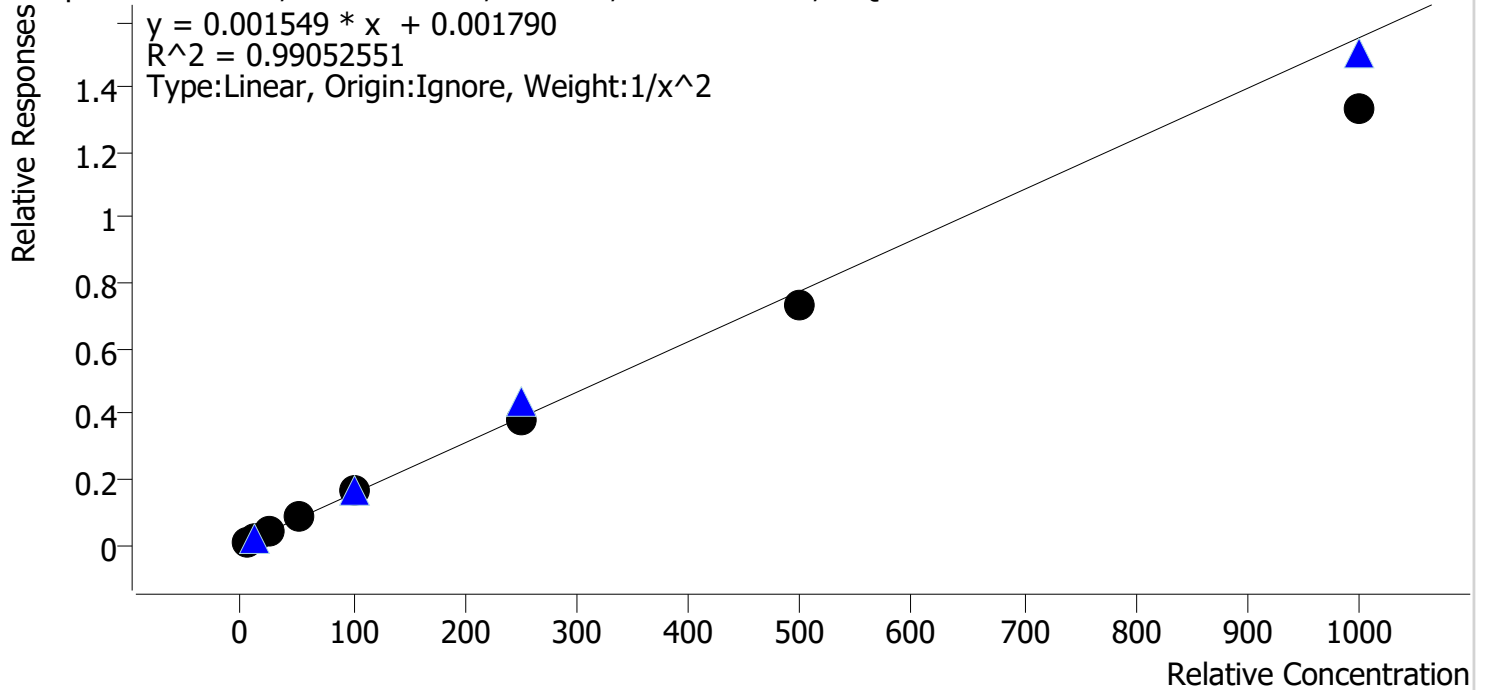


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.5
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	54.5	109.1
cal 5 mdq	5	✓	100.0	105.5	105.5
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	468.9	93.8
cal 8 mdq	8	✓	1000.0	873.1	87.3

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Metoprolol **Internal Standard** Pseudoephedrine-D3

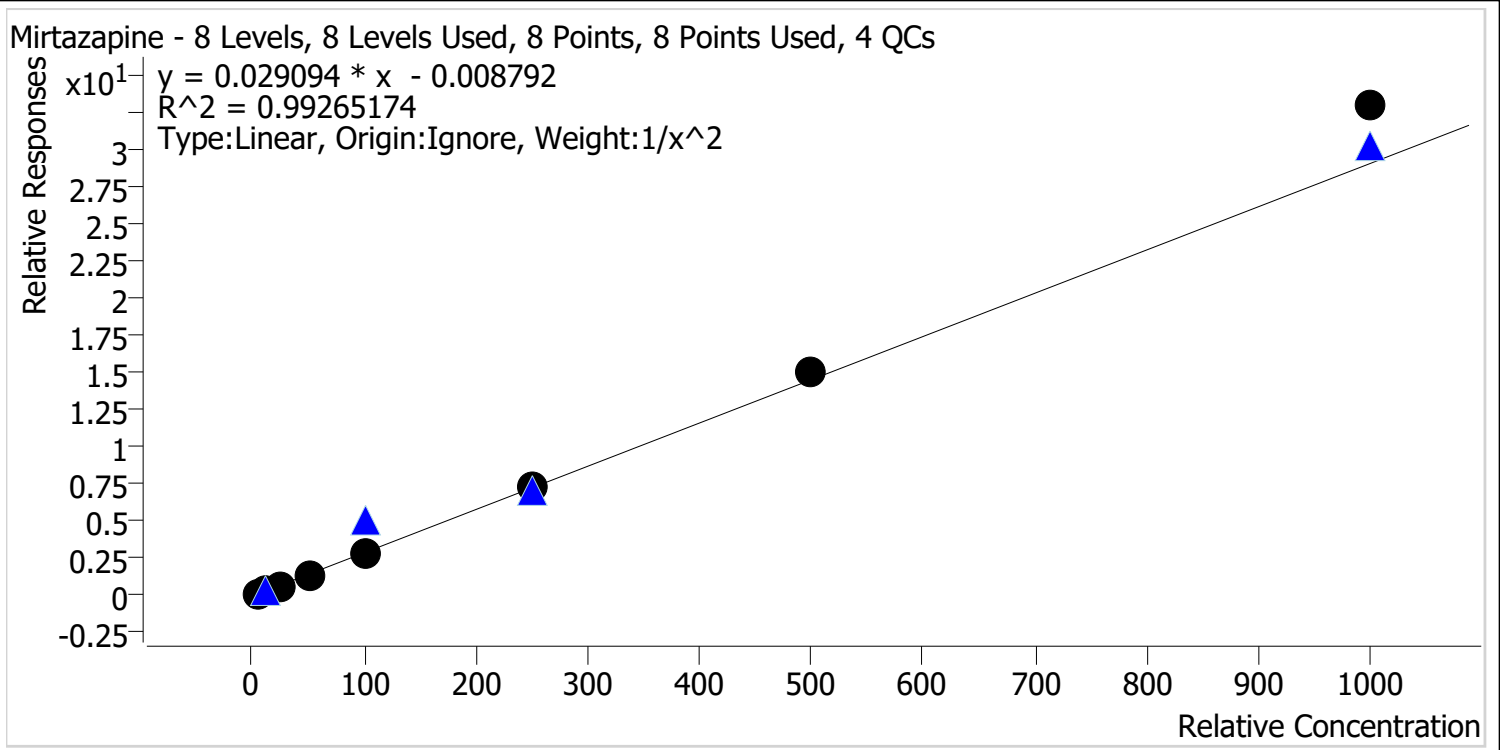
Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.5
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	27.6	110.3
cal 4 mdq	4	✓	50.0	55.8	111.6
cal 5 mdq	5	✓	100.0	103.0	103.0
cal 6 mdq	6	✓	250.0	246.1	98.4
cal 7 mdq	7	✓	500.0	468.5	93.7
cal 8 mdq	8	✓	1000.0	858.5	85.8

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Mirtazapine **Internal Standard** Methadone-D9



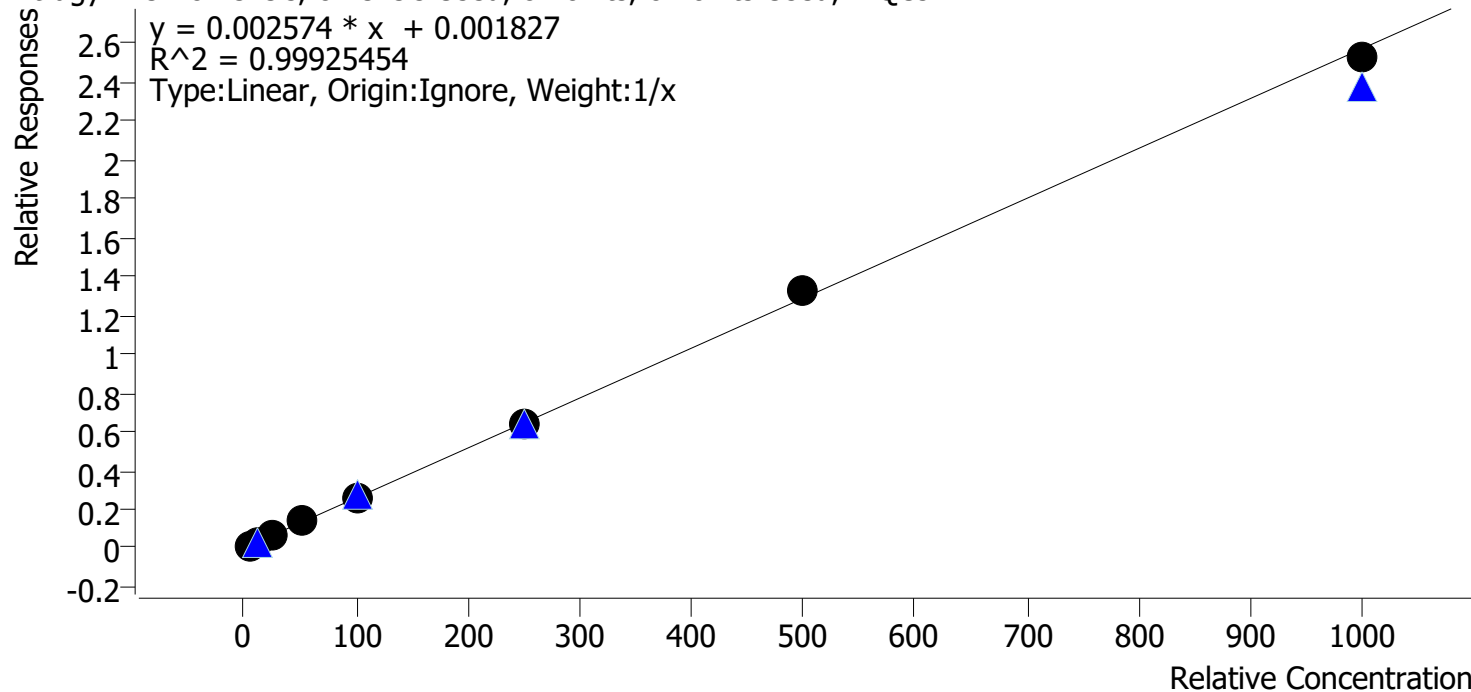
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.3
cal 2 mdq	2	✓	10.0	9.1	91.4
cal 3 mdq	3	✓	25.0	23.2	92.9
cal 4 mdq	4	✓	50.0	47.3	94.6
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	250.4	100.1
cal 7 mdq	7	✓	500.0	518.0	103.6
cal 8 mdq	8	✓	1000.0	1133.9	113.4

Compound Calibration Report



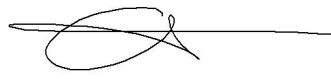
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Mitragynine **Internal Standard** Pseudoephedrine-D3

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

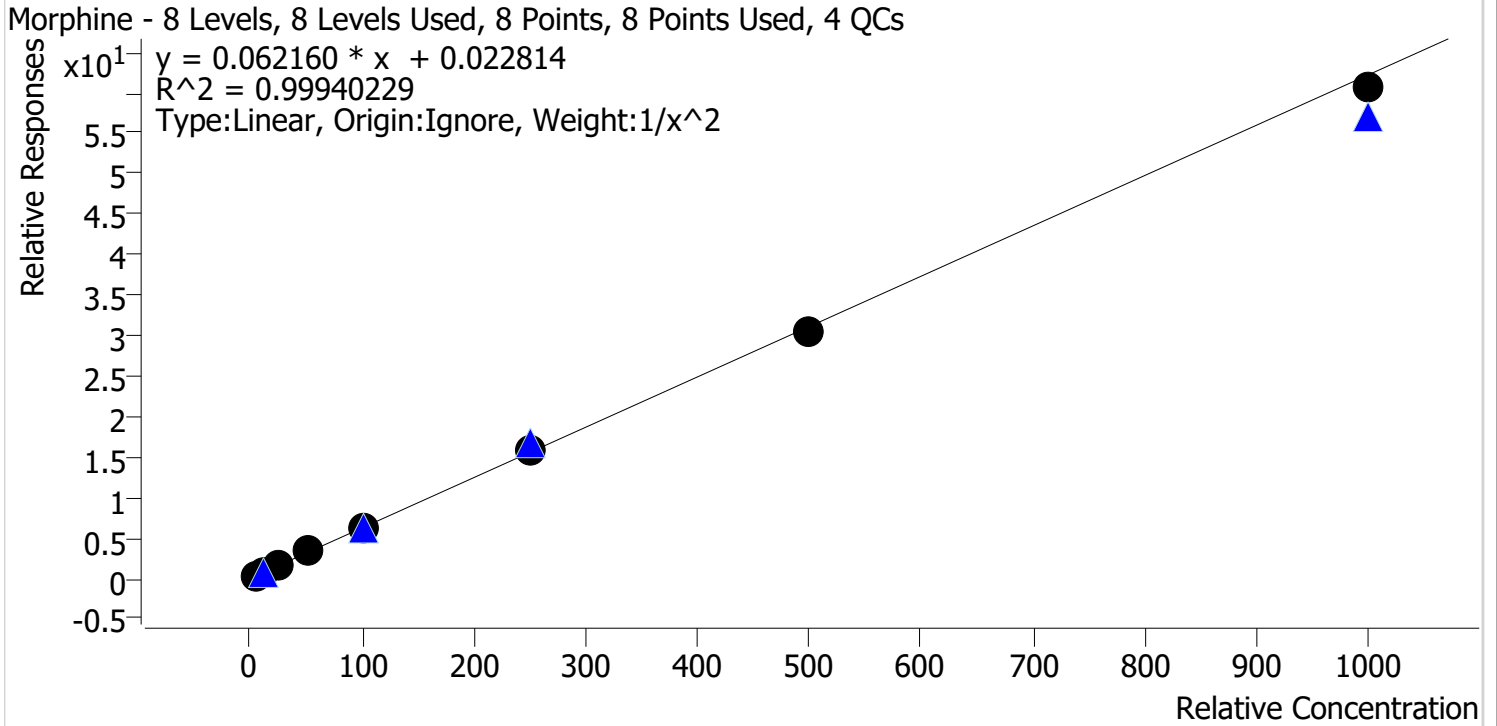


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.1
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	27.3	109.0
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	513.9	102.8
cal 8 mdq	8	✓	1000.0	982.0	98.2

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Morphine **Internal Standard** Morphine-D6



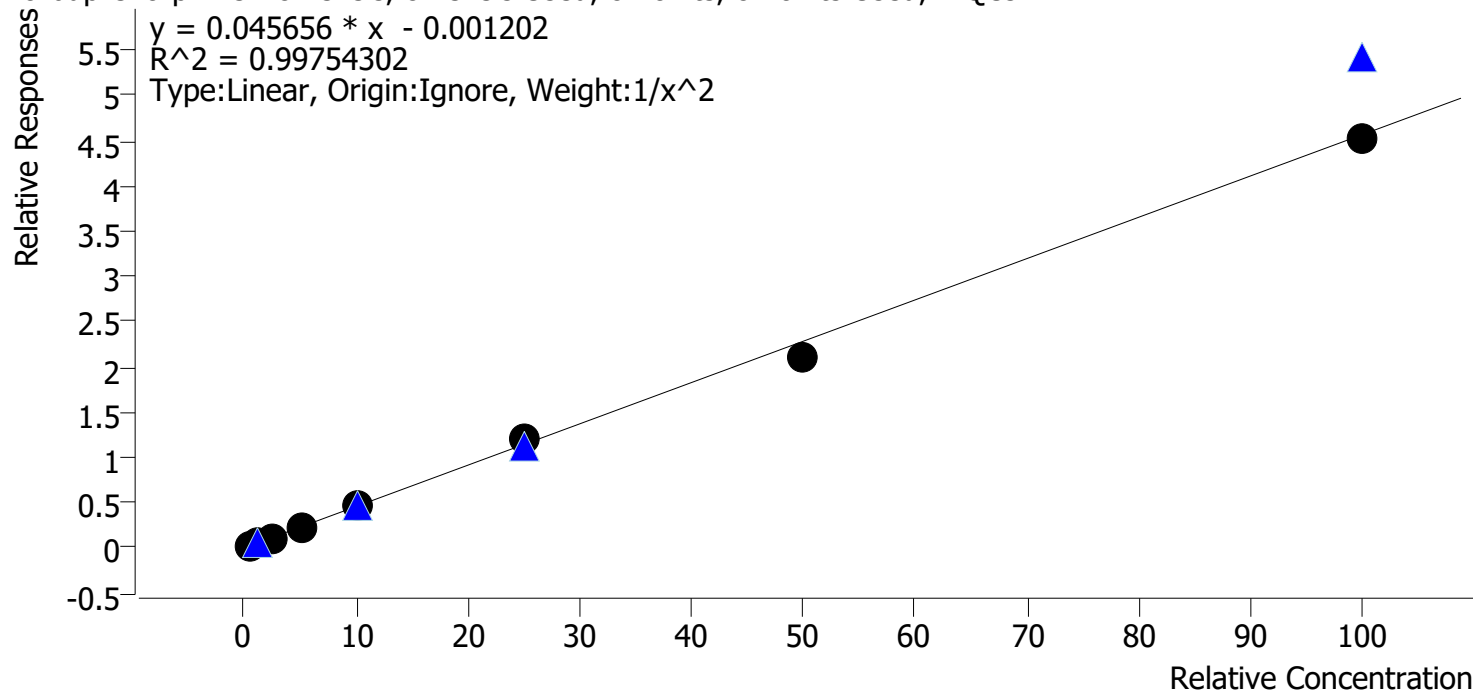
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	489.9	98.0
cal 8 mdq	8	✓	1000.0	974.8	97.5

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



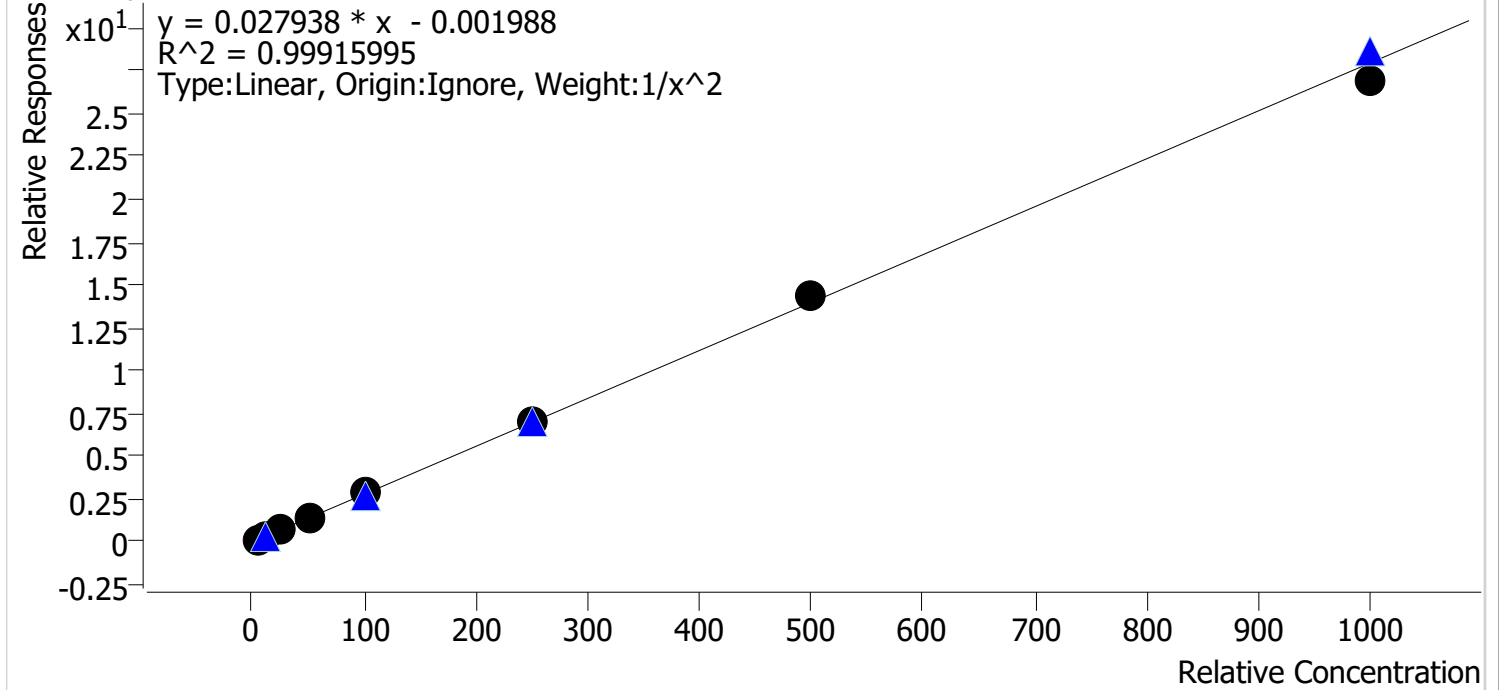
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.1
cal 2 mdq	2	✓	1.0	1.0	102.2
cal 3 mdq	3	✓	2.5	2.4	97.5
cal 4 mdq	4	✓	5.0	5.0	101.0
cal 5 mdq	5	✓	10.0	10.4	104.5
cal 6 mdq	6	✓	25.0	26.3	105.1
cal 7 mdq	7	✓	50.0	45.8	91.6
cal 8 mdq	8	✓	100.0	99.1	99.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



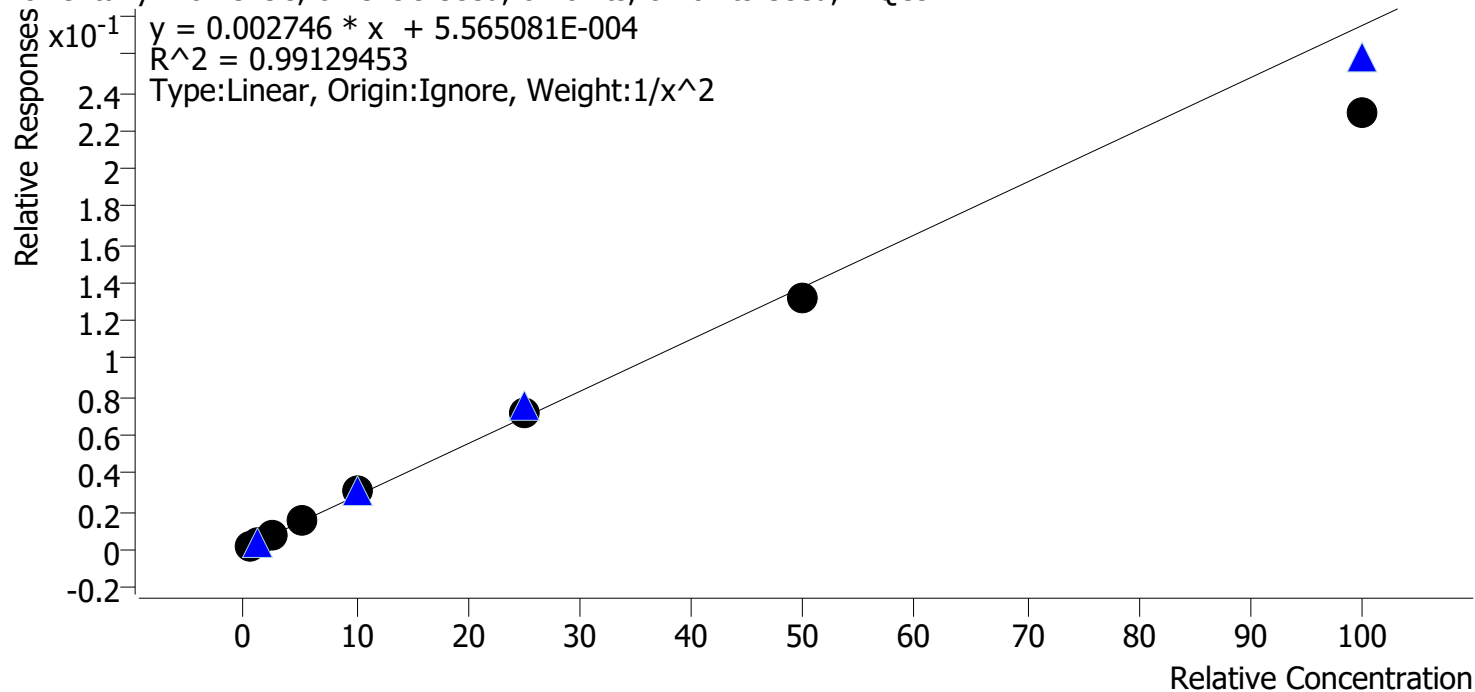
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	25.9	103.5
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	512.7	102.5
cal 8 mdq	8	✓	1000.0	961.7	96.2

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



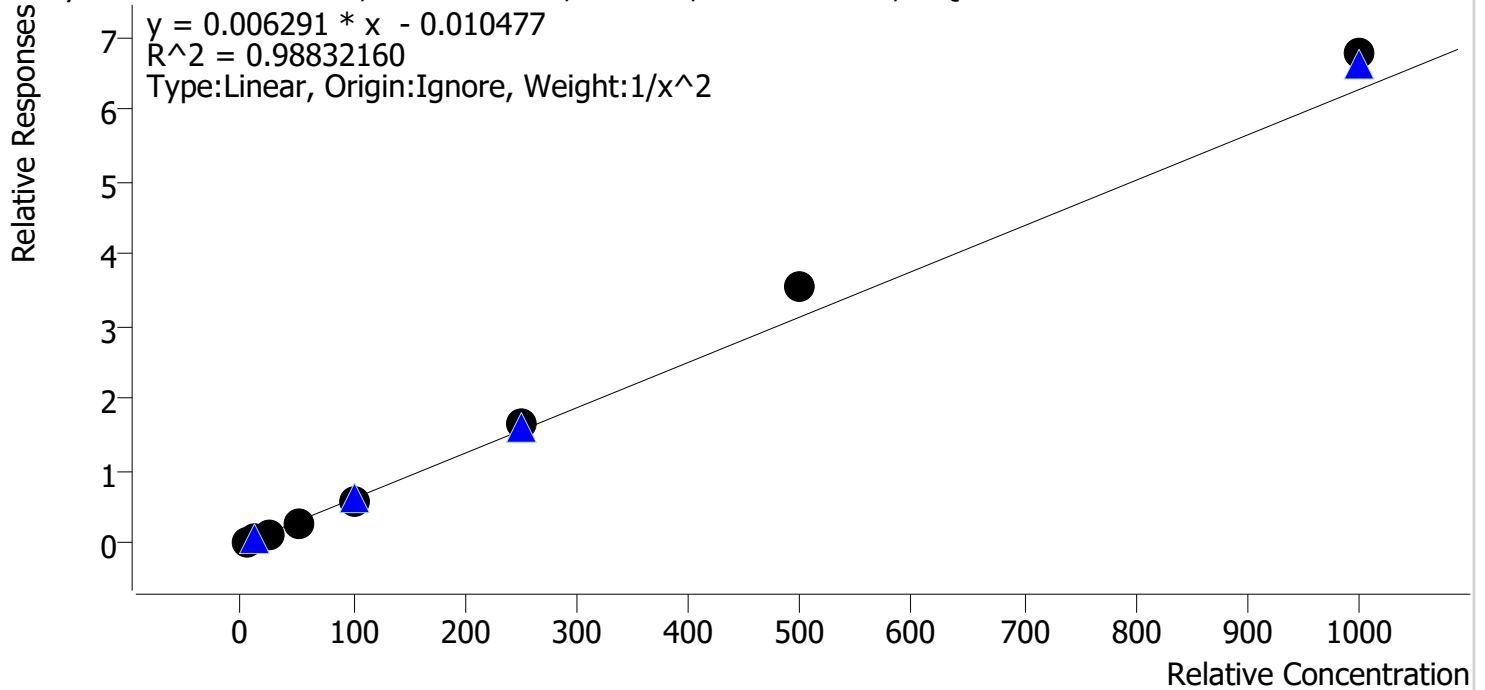
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	98.8
cal 2 mdq	2	✓	1.0	1.0	98.0
cal 3 mdq	3	✓	2.5	2.7	106.2
cal 4 mdq	4	✓	5.0	5.3	106.4
cal 5 mdq	5	✓	10.0	10.8	108.4
cal 6 mdq	6	✓	25.0	25.7	102.9
cal 7 mdq	7	✓	50.0	48.1	96.3
cal 8 mdq	8	✓	100.0	83.1	83.1

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



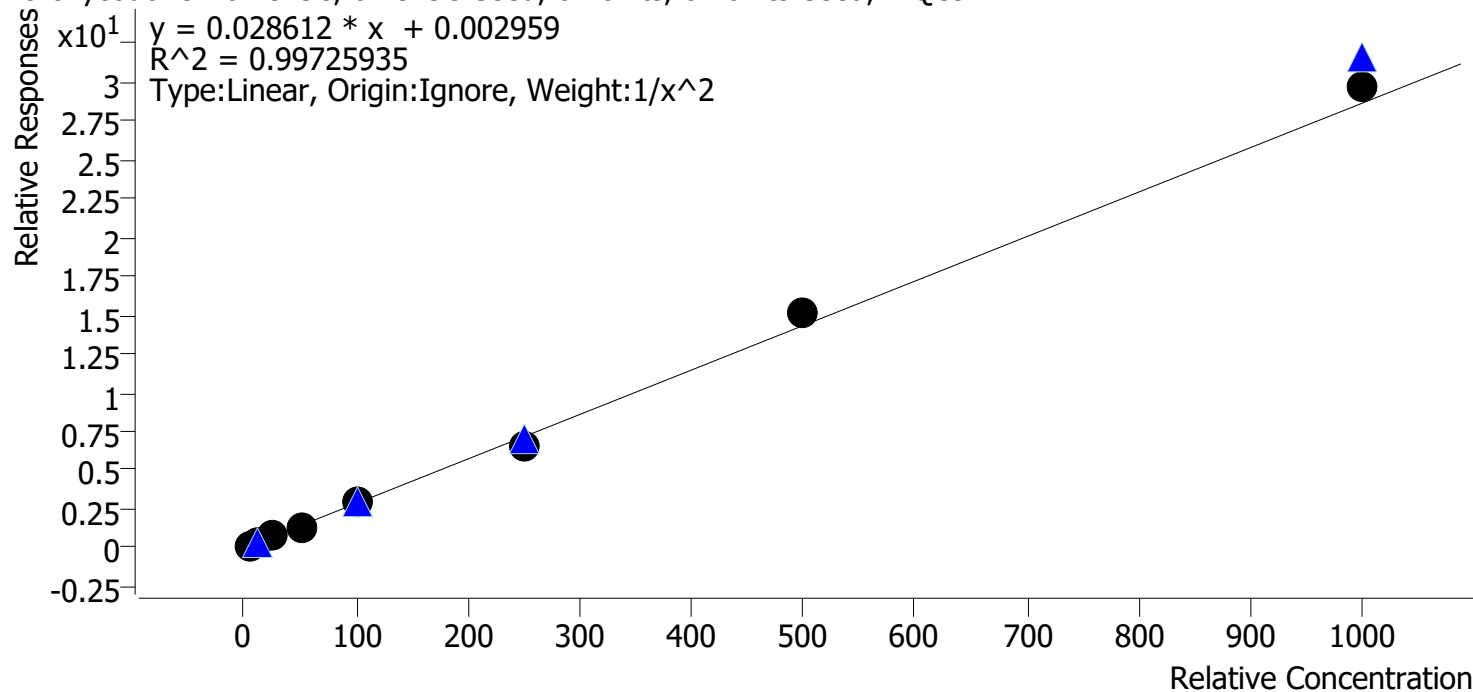
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.0
cal 2 mdq	2	✓	10.0	8.9	89.1
cal 3 mdq	3	✓	25.0	22.9	91.5
cal 4 mdq	4	✓	50.0	46.3	92.6
cal 5 mdq	5	✓	100.0	92.5	92.5
cal 6 mdq	6	✓	250.0	264.1	105.6
cal 7 mdq	7	✓	500.0	563.8	112.8
cal 8 mdq	8	✓	1000.0	1079.0	107.9

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

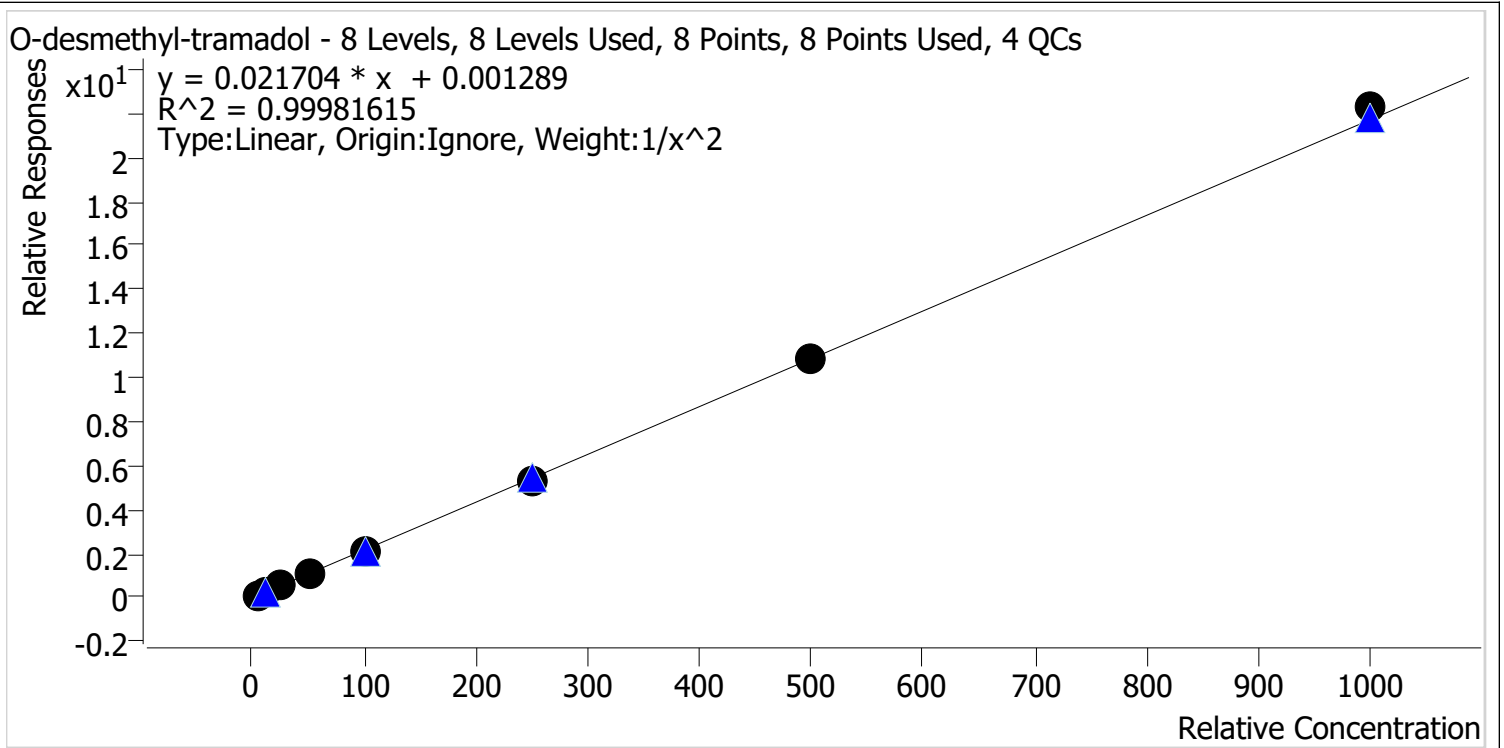
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.5	105.1
cal 3 mdq	3	✓	25.0	24.5	97.8
cal 4 mdq	4	✓	50.0	48.7	97.3
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	229.9	92.0
cal 7 mdq	7	✓	500.0	524.8	105.0
cal 8 mdq	8	✓	1000.0	1036.8	103.7

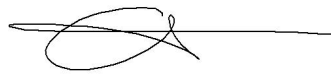
Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



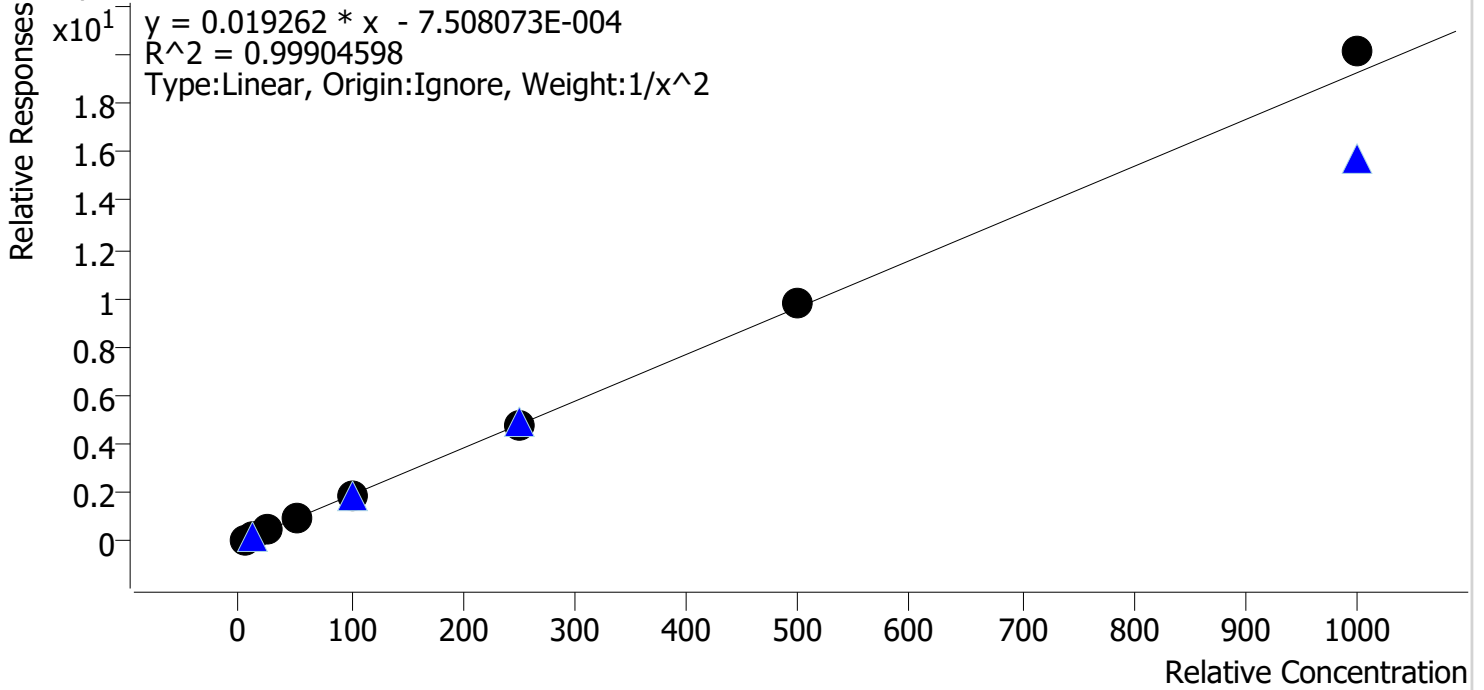
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.9	99.4
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	247.7	99.1
cal 7 mdq	7	✓	500.0	500.8	100.2
cal 8 mdq	8	✓	1000.0	1026.1	102.6

Compound Calibration Report



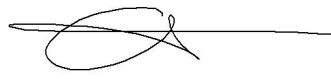
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



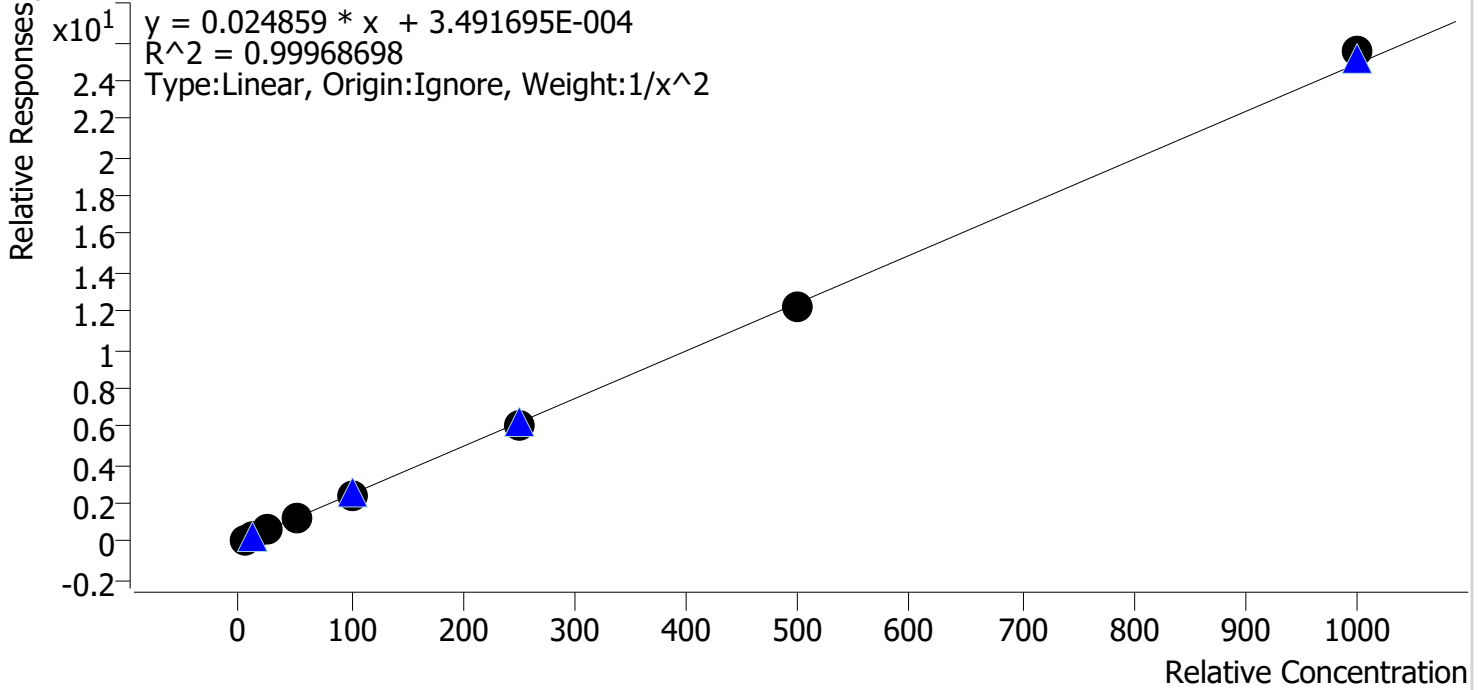
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	248.9	99.6
cal 7 mdq	7	✓	500.0	506.8	101.4
cal 8 mdq	8	✓	1000.0	1044.9	104.5

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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

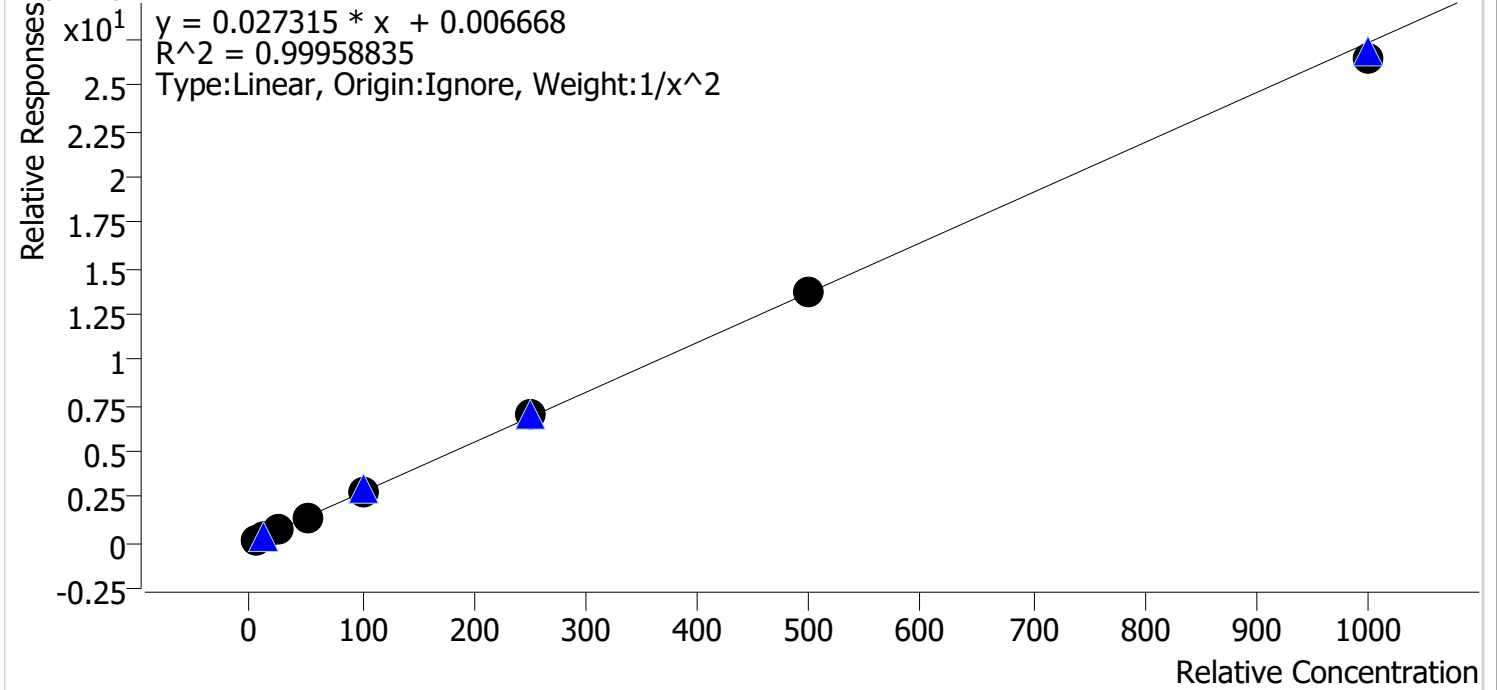


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	50.1	100.1
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	495.7	99.1
cal 8 mdq	8	✓	1000.0	1025.4	102.5

Compound Calibration Report

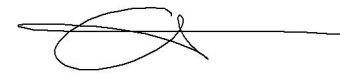
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



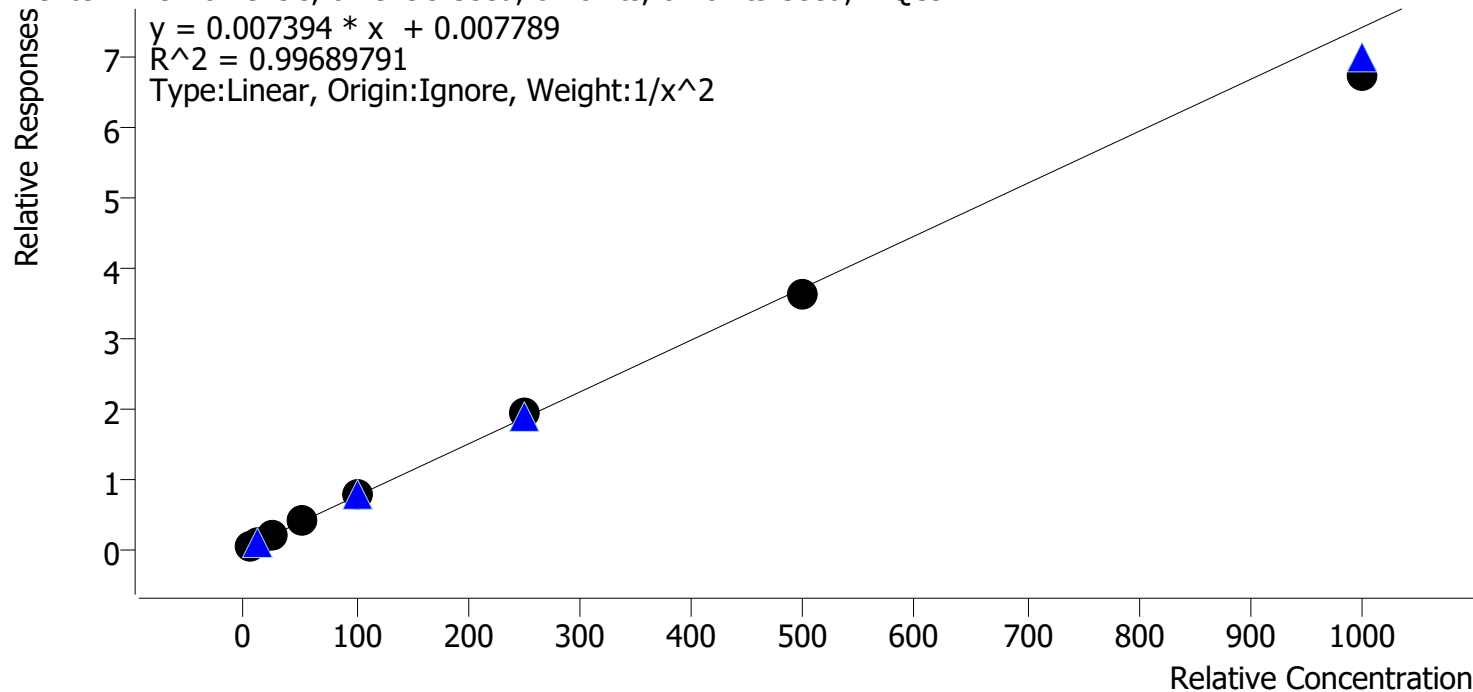
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	253.6	101.5
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	967.4	96.7

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Phentermine **Internal Standard** Phentermine-D5

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

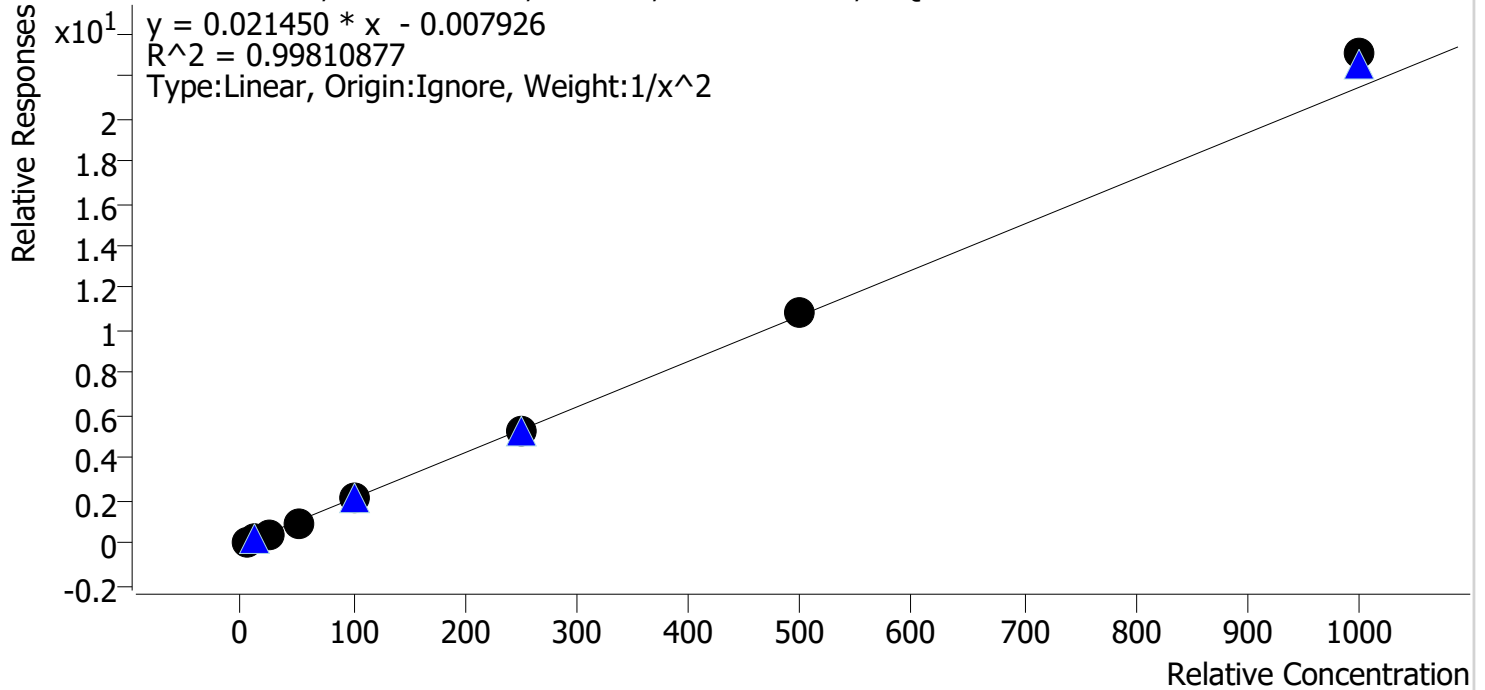


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	25.8	103.0
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	485.1	97.0
cal 8 mdq	8	✓	1000.0	910.1	91.0

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Promethazine **Internal Standard** Promethazine-D3

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



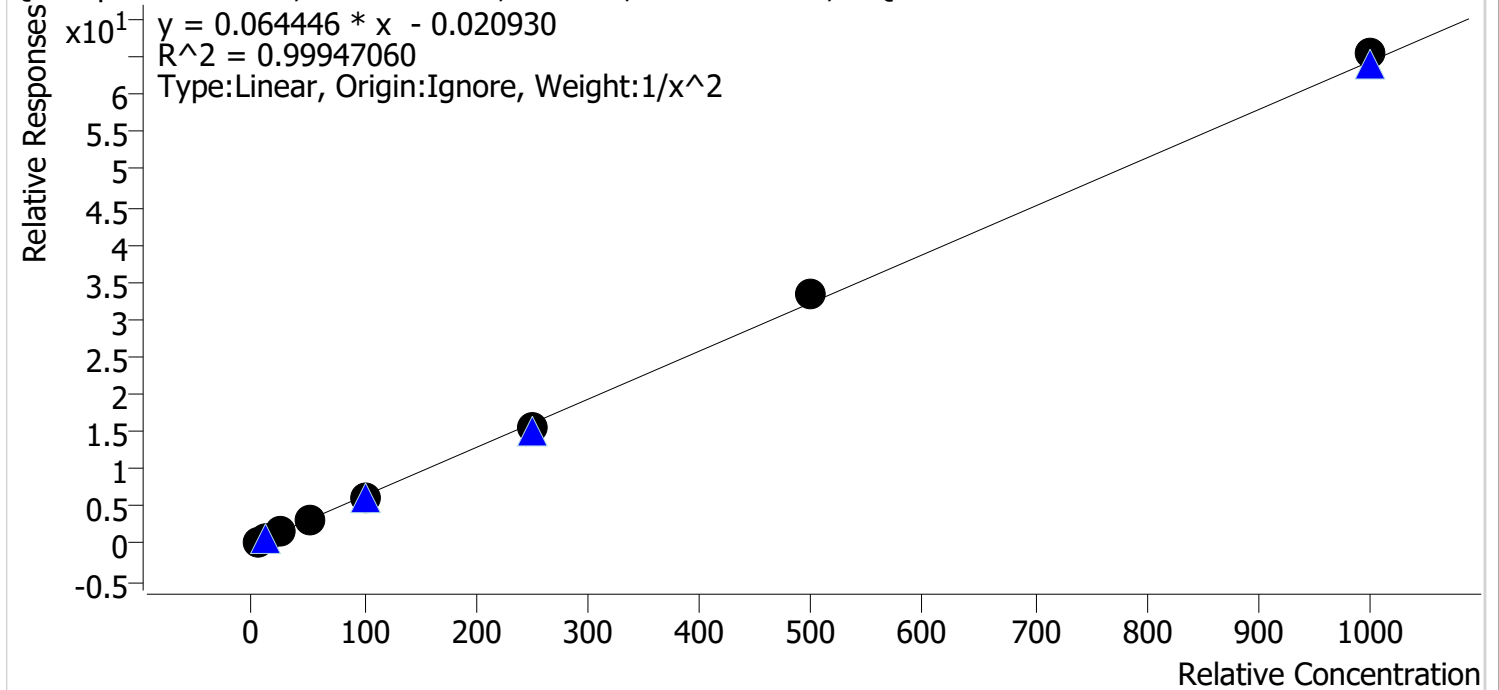
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	47.8	95.6
cal 5 mdq	5	✓	100.0	98.3	98.3
cal 6 mdq	6	✓	250.0	250.1	100.0
cal 7 mdq	7	✓	500.0	507.1	101.4
cal 8 mdq	8	✓	1000.0	1073.7	107.4

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Quetiapine **Internal Standard** Quetiapine-D8

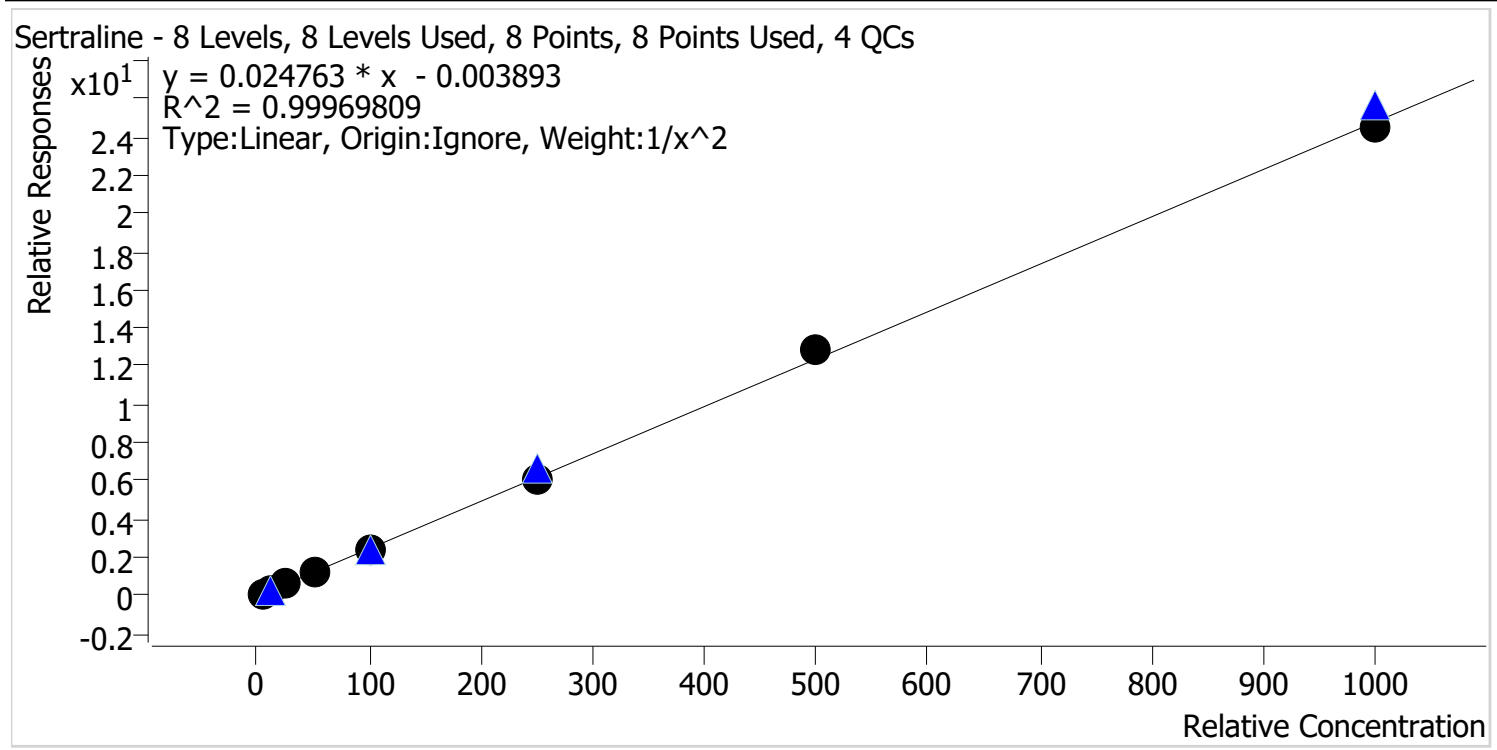
Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	518.5	103.7
cal 8 mdq	8	✓	1000.0	1016.3	101.6


Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Sertraline **Internal Standard** Sertraline-D3



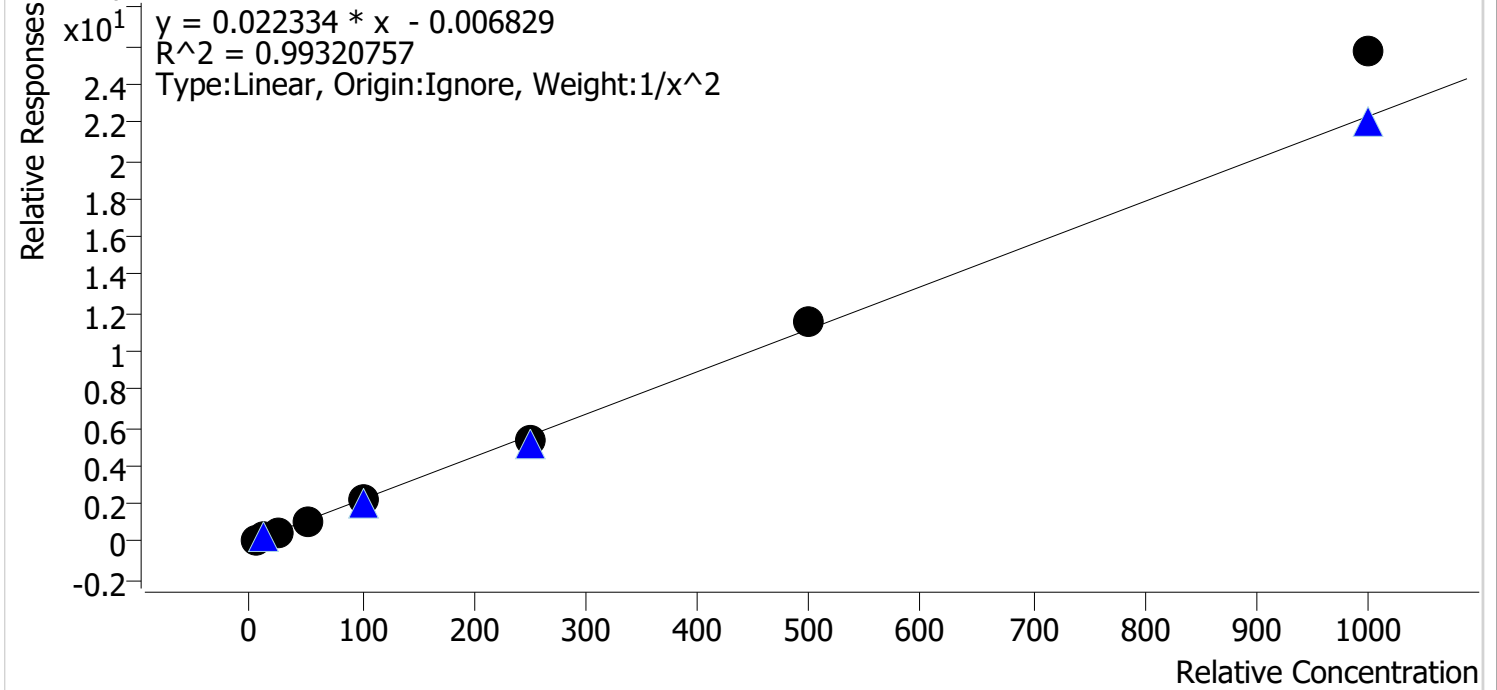
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	245.1	98.1
cal 7 mdq	7	✓	500.0	516.3	103.3
cal 8 mdq	8	✓	1000.0	990.7	99.1

Compound Calibration Report



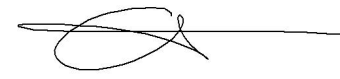
Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Temazepam **Internal Standard** Temazepam-D5

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



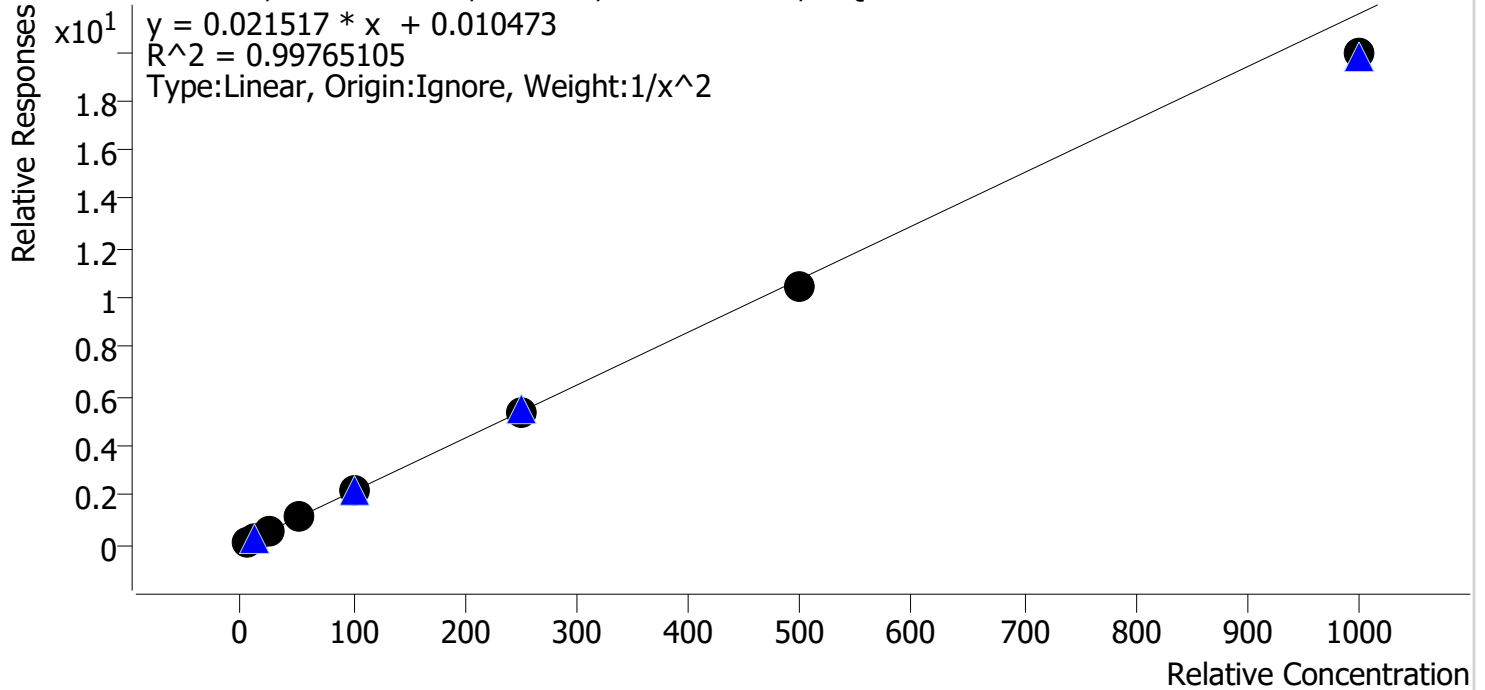
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	23.6	94.6
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	235.2	94.1
cal 7 mdq	7	✓	500.0	517.2	103.4
cal 8 mdq	8	✓	1000.0	1152.1	115.2

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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

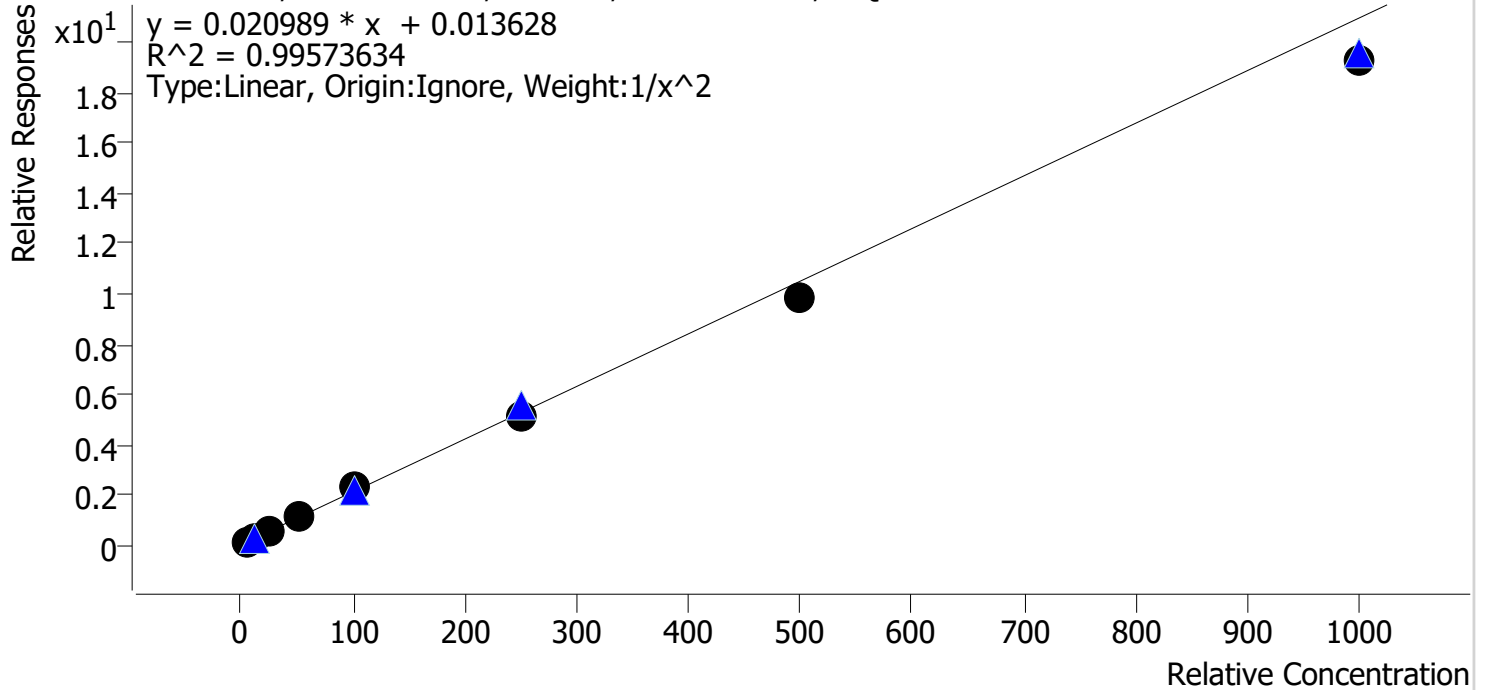


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	52.2	104.3
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	485.2	97.0
cal 8 mdq	8	✓	1000.0	924.7	92.5

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Trazodone **Internal Standard** Trazodone-D6

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



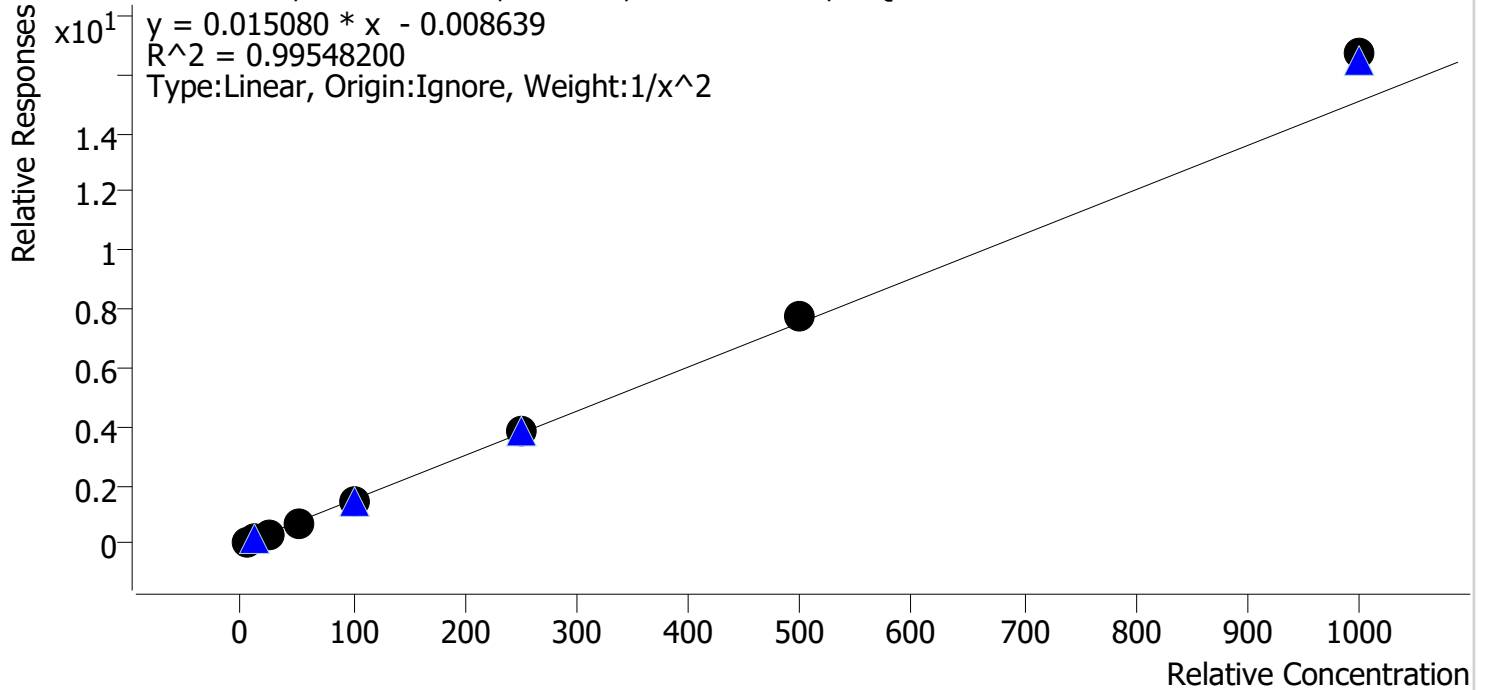
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	106.6	106.6
cal 6 mdq	6	✓	250.0	245.4	98.1
cal 7 mdq	7	✓	500.0	470.1	94.0
cal 8 mdq	8	✓	1000.0	919.7	92.0

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



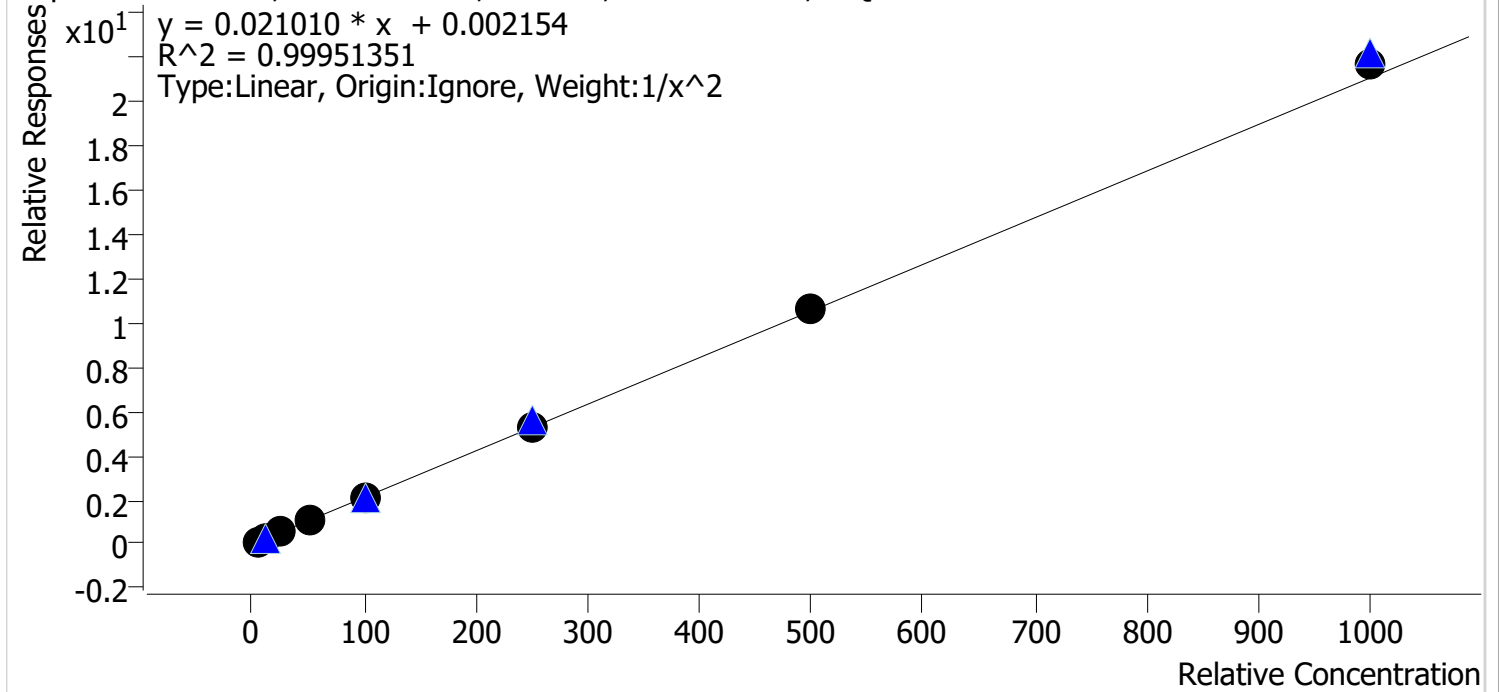
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	47.2	94.4
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	517.8	103.6
cal 8 mdq	8	✓	1000.0	1107.7	110.8

Compound Calibration Report



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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

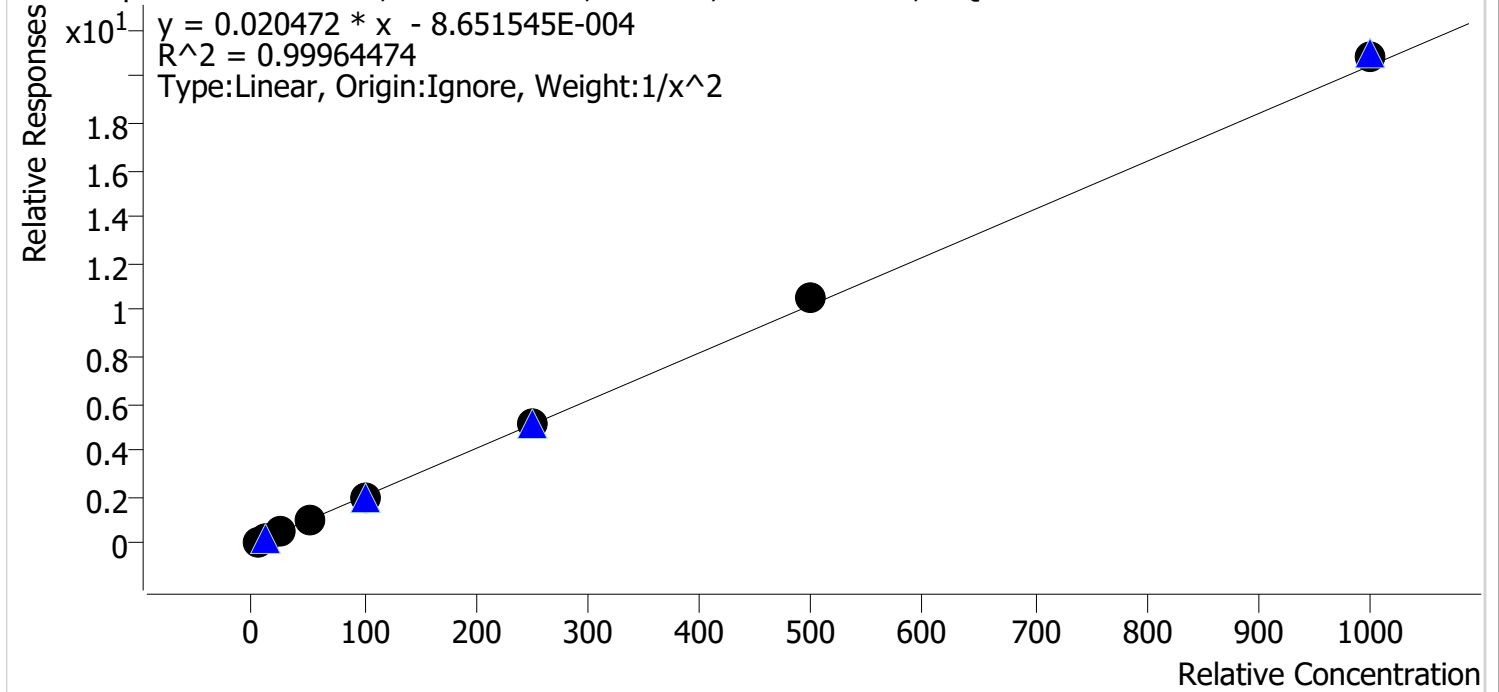


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.1	96.4
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	253.6	101.5
cal 7 mdq	7	✓	500.0	502.7	100.5
cal 8 mdq	8	✓	1000.0	1027.9	102.8

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

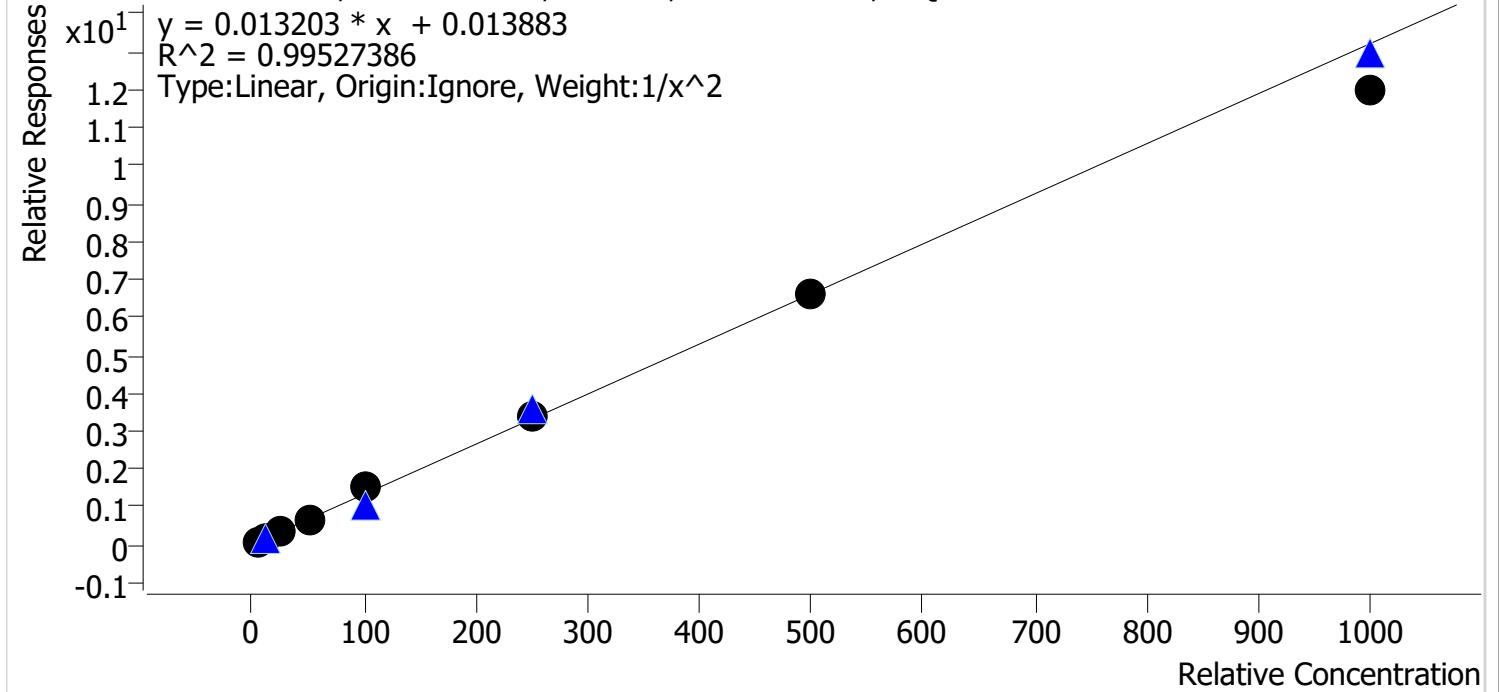


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	49.5	99.1
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	511.9	102.4
cal 8 mdq	8	✓	1000.0	1022.0	102.2

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Levetiracetam **Internal Standard** Hydromorphone-D6

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

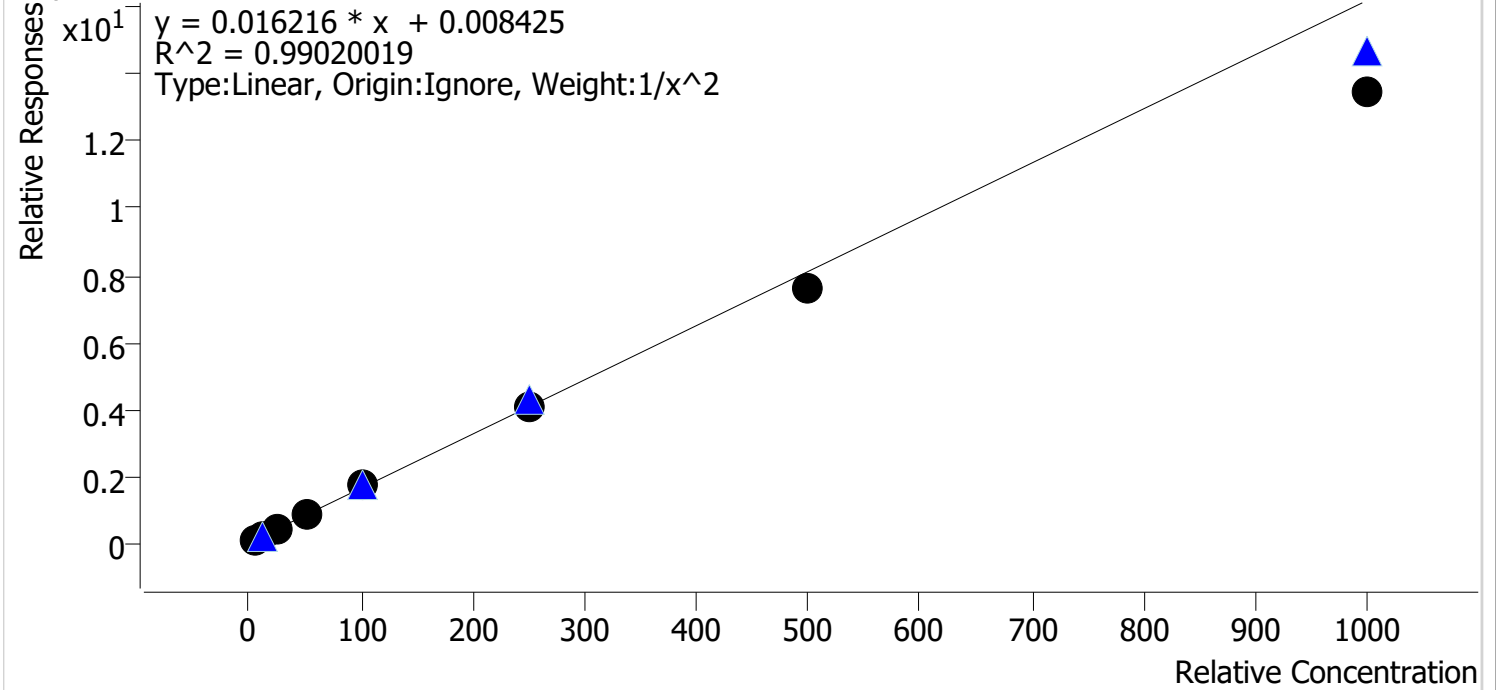


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	111.5	111.5
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	497.3	99.5
cal 8 mdq	8	✓	1000.0	907.7	90.8

Compound Calibration Report

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Last Cal. Update 7/12/2022 9:55 AM
Analyst Name ISP\anord
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



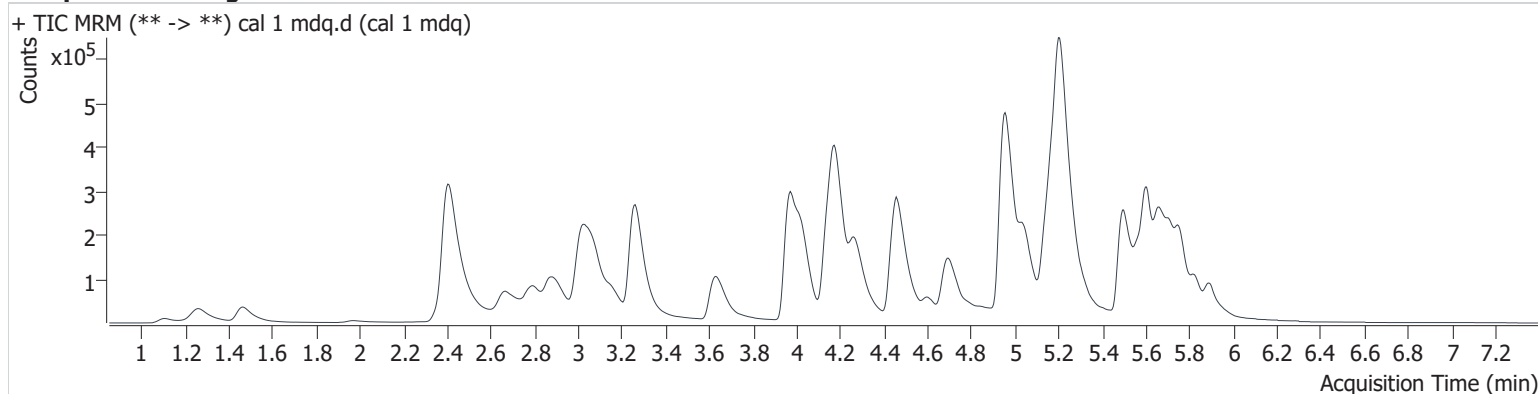
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.9
cal 2 mdq	2	✓	10.0	10.3	103.5
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	54.3	108.5
cal 5 mdq	5	✓	100.0	107.6	107.6
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	470.8	94.2
cal 8 mdq	8	✓	1000.0	829.9	83.0

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 **Data File** cal 1 mdq.d
Type Cal **Sample** cal 1 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-A1 **Comment**
Injection Volume 3
Acq. Date-Time 7/8/2022 4:54:37 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.038	1118	∞	159.2	7150.2	63241	0.475 ng/ml
7-aminoclonazepam	4.197	21380	75091.4	75.1	3166.2	162191	5.129 ng/ml
a-hydroxyalprazolam	5.638	3988	907.9	53.4	∞	387607	5.030 ng/ml
alpha-PHP	4.851	19889	742.3	255.7	2388.3	506248	4.980 ng/ml
alpha-PVP	4.282	69235	336226.4	52.9	4952.5	506248	5.070 ng/ml
Alprazolam	5.723	36870	∞	94.0	2745.4	252023	5.121 ng/ml
Amphetamine	2.879	49797	852.0	272.3	894.3	384639	4.882 ng/ml
Benzoylcegonine	3.800	1400	22.5	67.6	30.9	10670	4.769 ng/ml
Buprenorphine	5.846	2904	35.3	14.0	22.5	81851	0.533 ng/ml
Bupropion	4.717	63048	286871.7	68.4	504.2	603506	5.043 ng/ml
Carisoprodol	5.673	18445	29761.8	81.6	1490.4	177786	5.001 ng/ml
Citalopram	5.146	48295	1330.2	40.0	∞	432914	5.018 ng/ml
Clonazepam	5.560	17818	10948.7	35.9	∞	62282	5.022 ng/ml
Clonazepam	5.501	21157	3294.6	38.0	1651.0	387607	5.047 ng/ml
Cocaine	4.181	52161	98515.7	49.8	39637.6	830113	5.020 ng/ml
Codeine	2.448	8363	5170.4	96.0	7334.2	78505	4.993 ng/ml
Cyclobenzaprine	5.573	51796	12100.0	9.3	∞	312450	4.925 ng/ml
Dextromethorphan	5.189	36760	23885.8	74.0	58501.5	299045	5.457 ng/ml
Dextrophan	4.033	45423	4184.9	43.8	217121.7	427325	5.549 ng/ml
Diazepam	5.896	21444	528.0	85.1	∞	194556	5.027 ng/ml
Dihydrocodeine	2.407	21229	388.2	60.4	702.0	246283	4.796 ng/ml
Diphenhydramine	5.216	149474	29660.5	32.3	3032.8	1662644	5.142 ng/ml
Doxylamine	4.467	160659	6833.1	76.6	17092.4	1191714	5.061 ng/ml
EDDP	5.184	74855	56538.4	41.9	14675.9	744220	5.089 ng/ml
Etizolam	5.764	16664	32089.1	22.6	2585.8	194556	5.047 ng/ml
Fentanyl	5.052	6754	135414.8	102.3	8770.0	555356	0.599 ng/ml
Flualprazolam	5.654	16071	∞	96.8	∞	252023	4.980 ng/ml
Fluoxetine	5.660	45007	110268.5	5.8	2338.9	332500	5.042 ng/ml
Hydrocodone	2.907	22107	∞	35.7	279.7	232542	4.925 ng/ml
Hydromorphone	1.473	20463	184.1	72.4	173.6	126343	5.046 ng/ml
Ketamine	3.992	50380	11641.6	36.9	434.4	466858	4.921 ng/ml
Lamotrigine	4.204	4660	6705.9	94.4	∞	323777	5.502 ng/ml
Levetiracetam	2.491	10255	712.8	159.1	999.6	126343	5.096 ng/ml

AM #28 Multi-Drug Quant. Results

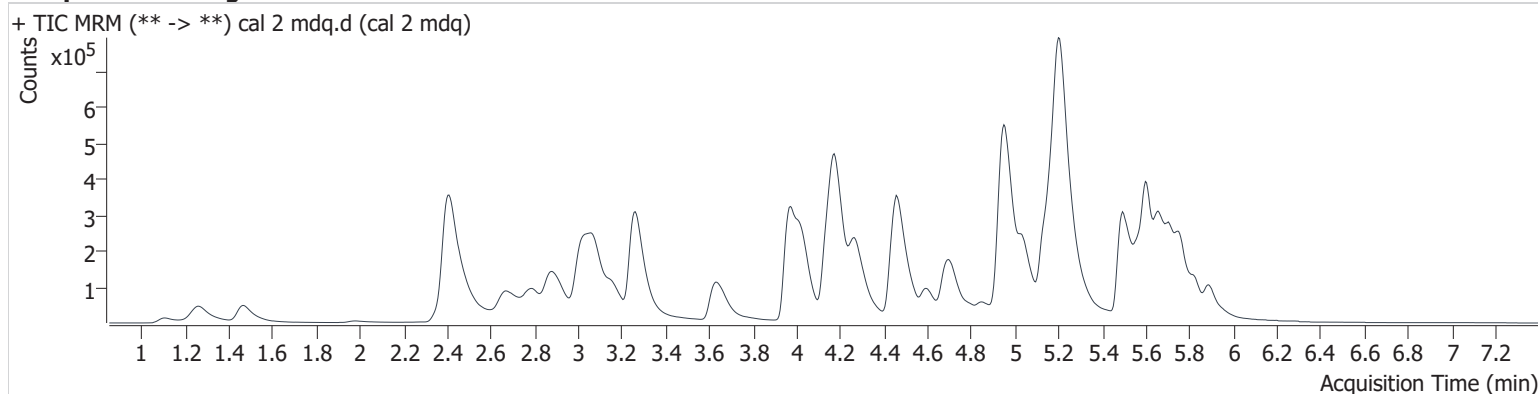
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.702	8253	∞	45.3	355.4	182661	5.075 ng/ml
MDA	3.057	61340	5200.3	30.7	827.3	323777	4.771 ng/ml
MDMA	3.164	48791	∞	98.2	2585.1	88280	5.017 ng/ml
Meprobamate	4.826	11652	1114.8	29.0	442.6	61749	4.754 ng/ml
Methadone	5.608	85057	2677.9	55.1	103172.4	741643	5.113 ng/ml
Methamphetamine	3.084	153244	85.9	39.3	67.2	833933	4.873 ng/ml
Metoprolol	4.239	13063	4705.7	97.1	62864.5	1410785	4.823 ng/ml
Mirtazapine	4.602	108126	586450.4	50.2	59116.6	741643	5.313 ng/ml
Mitragynine	5.197	17855	22352.0	32.9	17295.0	1410785	4.207 ng/ml
Morphine	1.112	4271	226.5	24.1	59.3	12966	4.932 ng/ml
Norbuprenorphine	4.911	386	306.5	76.8	300.0	18011	0.495 ng/ml
Nordiazepam	5.840	16768	67480.1	55.9	102693.3	120739	5.042 ng/ml
Norfentanyl	3.987	1808	9908.4	244.9	∞	945187	0.494 ng/ml
Norhydrocodone	2.943	1296	73.4	26.6	10.5	55177	5.400 ng/ml
Noroxycodone	2.768	16343	2795.2	47.9	219.1	113937	4.910 ng/ml
O-desmethyl-tramadol	3.266	124825	26679.2	6.5	524.2	1132860	5.017 ng/ml
Oxazepam	5.703	17541	1266.1	73.1	796.1	182661	5.024 ng/ml
Oxycodone	2.696	43905	798.4	29.5	4552.6	354754	4.965 ng/ml
Oxymorphone	1.265	25489	∞	43.9	∞	177221	5.021 ng/ml
Phentermine	3.663	22279	777.2	9.7	26.3	495624	5.026 ng/ml
Promethazine	5.493	75871	39425.9	41.5	8379.6	755495	5.051 ng/ml
Pseudoephedrine	2.415	144788	3621.7	17.1	463.7	1410785	5.055 ng/ml
Quetiapine	5.538	58325	54431.6	62.5	76476.2	193505	5.002 ng/ml
Sertraline	5.723	13027	13269.5	101.4	∞	108498	5.006 ng/ml
Temazepam	5.760	42193	19750.7	28.1	48.8	387607	5.180 ng/ml
Tramadol	4.162	121545	3919.5	3.4	∞	1047634	4.905 ng/ml
Trazodone	5.218	70214	48710.5	76.5	∞	597673	4.948 ng/ml
Venlafaxine	4.955	75913	25454.1	36.0	671.6	1098985	5.153 ng/ml
Zolpidem	4.975	123593	99292.6	28.9	∞	1142431	5.047 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B1	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 5:03:41 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.033	2651	5136.5	137.5	2163.4	62596	1.098 ng/ml
7-aminoclonazepam	4.192	42153	1735.1	71.1	1192.6	162025	9.720 ng/ml
a-hydroxyalprazolam	5.644	6815	25730.0	59.0	∞	397131	9.626 ng/ml
alpha-PHP	4.857	44985	926.2	247.5	2741.1	544331	10.251 ng/ml
alpha-PVP	4.282	146194	∞	54.1	17487.6	544331	9.853 ng/ml
Alprazolam	5.718	69934	853.9	93.9	3380.9	252350	9.619 ng/ml
Amphetamine	2.879	100853	1227.2	265.6	3646.3	400850	10.127 ng/ml
Benzoylcegonine	3.800	3465	2410.1	54.8	32.2	10675	10.928 ng/ml
Buprenorphine	5.830	6423	105.0	15.1	13.0	94213	1.034 ng/ml
Bupropion	4.712	133248	3678.7	71.6	1761.2	631647	9.974 ng/ml
Carisoprodol	5.678	36109	37215.1	72.9	6875198627 42.4	173270	9.945 ng/ml
Citalopram	5.146	106071	2378.9	38.2	29444.9	477827	9.853 ng/ml
Clonazepam	5.560	35082	16000.6	35.0	6504.2	65498	9.811 ng/ml
Clonazolam	5.501	40965	461.6	37.3	3794.8	397131	9.331 ng/ml
Cocaine	4.181	110094	305703.7	50.8	279102.9	883256	9.912 ng/ml
Codeine	2.453	17792	37255.4	91.3	5710.5	81597	10.011 ng/ml
Cyclobenzaprine	5.573	113553	50339.4	8.4	6339.9	322922	10.371 ng/ml
Dextromethorphan	5.184	74918	44739.9	78.1	26947.4	334731	9.621 ng/ml
Dextrorphan	4.028	94832	60594.1	45.6	205603.7	475259	9.910 ng/ml
Diazepam	5.896	43345	4092.7	82.3	823.9	197613	9.978 ng/ml
Dihydrocodeine	2.412	45301	166.6	59.0	286.9	257036	10.349 ng/ml
Diphenhydramine	5.211	300136	21716.5	33.7	1480.7	1767490	9.524 ng/ml
Doxylamine	4.467	333570	∞	76.1	168403.5	1267859	9.754 ng/ml
EDDP	5.179	173032	275899.2	43.9	48618.1	887510	9.716 ng/ml
Etizolam	5.764	30302	47922.6	24.5	22072.9	197613	9.692 ng/ml
Fentanyl	5.052	10982	∞	108.9	80327.4	567471	0.948 ng/ml
Flualprazolam	5.654	30840	∞	100.5	38698.5	252350	9.894 ng/ml
Fluoxetine	5.660	84864	65272.5	6.8	∞	314213	9.868 ng/ml
Hydrocodone	2.912	44617	386.9	36.3	1189.9	241340	10.122 ng/ml
Hydromorphone	1.473	44870	629.5	73.2	433.5	142153	9.832 ng/ml
Ketamine	3.992	100112	27849.9	36.7	1665.2	470232	10.191 ng/ml
Lamotrigine	4.193	9004	1512.8	96.6	∞	321284	9.678 ng/ml

AM #28 Multi-Drug Quant. Results

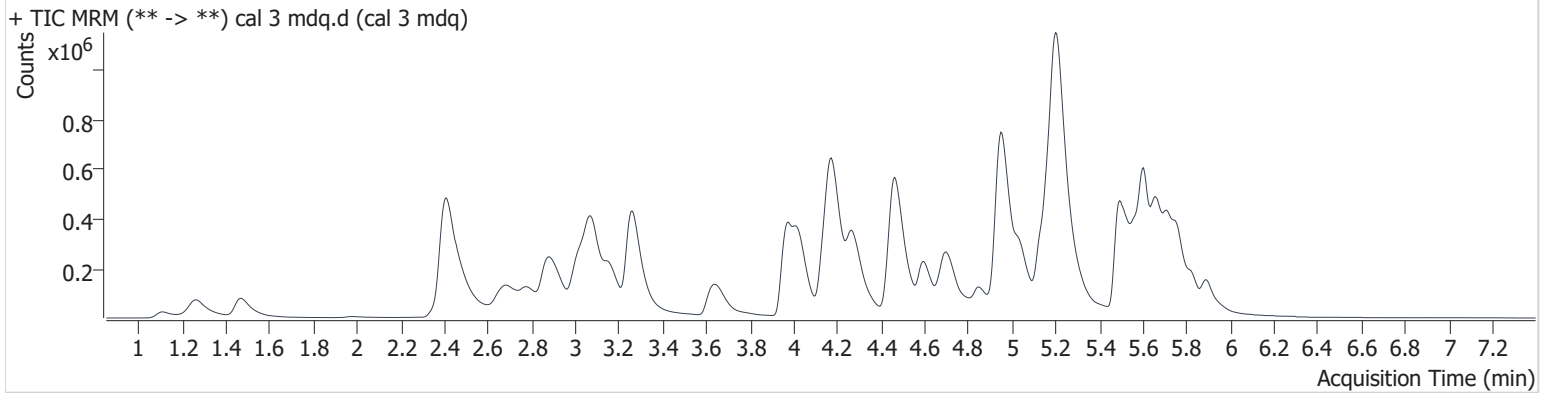
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.491	19959	697.9	161.5	1568.9	142153	9.582 ng/ml
Lorazepam	5.696	17462	∞	45.3	401.6	192111	10.134 ng/ml
MDA	3.062	126240	4272.3	27.8	1181.9	321284	10.648 ng/ml
MDMA	3.164	99969	299364.4	100.1	4136.4	92305	10.207 ng/ml
Meprobamate	4.826	21837	2539.7	34.9	1586.9	66044	9.861 ng/ml
Methadone	5.608	186131	44833.4	58.6	3915.9	828999	9.817 ng/ml
Methamphetamine	3.084	263567	172.8	38.5	115.6	874540	10.184 ng/ml
Metoprolol	4.239	25003	4940.0	95.1	336.3	1438439	10.068 ng/ml
Mirtazapine	4.597	213220	132153.2	51.3	∞	828999	9.142 ng/ml
Mitragynine	5.197	39876	41804.0	31.7	6582.9	1438439	10.061 ng/ml
Morphine	1.112	9350	1834.9	23.5	161.0	14267	10.177 ng/ml
Norbuprenorphine	4.921	894	461.9	87.9	995.5	19663	1.022 ng/ml
Nordiazepam	5.840	33691	∞	63.7	27667.3	125154	9.707 ng/ml
Norfentanyl	3.992	3262	∞	259.2	490.5	1004548	0.980 ng/ml
Norhydrocodone	2.938	2988	612.8	23.9	76.6	65607	8.905 ng/ml
Noroxycodone	2.768	36555	1022.7	43.5	214.9	120370	10.511 ng/ml
O-desmethyl-tramadol	3.266	256500	308061.5	6.4	794.1	1178614	9.968 ng/ml
Oxazepam	5.698	36798	1854728.2	72.7	274.0	192111	9.983 ng/ml
Oxycodone	2.696	100902	1897.6	28.1	1855.3	396837	10.214 ng/ml
Oxymorphone	1.265	60877	∞	44.5	∞	220447	9.866 ng/ml
Phentermine	3.668	41020	1231.9	11.6	530.3	519111	9.634 ng/ml
Promethazine	5.488	168523	191761.4	39.0	3427.3	810086	10.068 ng/ml
Pseudoephedrine	2.415	289434	5120.0	16.7	3434.1	1438439	9.871 ng/ml
Quetiapine	5.527	120277	933233.7	60.7	282552.5	190891	10.102 ng/ml
Sertraline	5.723	22400	33387.0	103.9	∞	92148	9.974 ng/ml
Temazepam	5.766	82448	1219.7	29.5	∞	397131	9.601 ng/ml
Tramadol	4.157	251079	19624.1	3.6	193.0	1106456	10.059 ng/ml
Trazodone	5.203	138924	510436.1	77.6	88285.6	632452	9.816 ng/ml
Venlafaxine	4.955	163623	124369.8	37.1	897.2	1178372	9.781 ng/ml
Zolpidem	4.959	249920	161352.9	28.2	∞	1180482	9.974 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File cal 3 mdq.d
Type Cal Sample cal 3 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-C1 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 5:12:43 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.028	6562	5802.4	131.4	9423.3	67616	2.480 ng/ml
7-aminoclonazepam	4.192	117943	2813.4	73.6	3784.1	179574	23.909 ng/ml
a-hydroxyalprazolam	5.644	16810	496.0	53.6	∞	410461	25.536 ng/ml
alpha-PHP	4.851	115619	2228.5	256.9	42651.1	581592	24.375 ng/ml
alpha-PVP	4.282	389634	13207.6	52.9	13776.9	581592	24.418 ng/ml
Alprazolam	5.723	187682	10748.3	90.7	4830.1	263159	24.611 ng/ml
Amphetamine	2.879	261572	2377.4	258.1	8158.1	418699	26.152 ng/ml
Benzoylcegonine	3.790	8494	∞	61.9	339.6	11260	24.611 ng/ml
Buprenorphine	5.830	16399	203.3	15.4	16.1	104908	2.387 ng/ml
Bupropion	4.712	346532	∞	73.0	9940.5	664008	24.372 ng/ml
Carisoprodol	5.673	89895	295206.0	73.6	5925.8	166774	25.564 ng/ml
Citalopram	5.141	288609	5629.7	38.8	82474.6	498894	25.460 ng/ml
Clonazepam	5.555	88149	∞	34.5	199669.0	65024	25.547 ng/ml
Clonazepam	5.507	102721	267725.9	40.2	13334.1	410461	22.305 ng/ml
Cocaine	4.176	300555	∞	49.3	210824.8	950085	25.084 ng/ml
Codeine	2.453	48029	16681.3	90.3	2628.1	88159	24.712 ng/ml
Cyclobenzaprine	5.573	319578	∞	8.8	695.0	384392	24.427 ng/ml
Dextromethorphan	5.179	203907	9536.3	79.2	2797.2	350911	24.370 ng/ml
Dextrophan	4.033	260748	631194.2	44.0	379866.4	505395	24.707 ng/ml
Diazepam	5.896	111638	1486.5	89.2	1237.5	206556	24.550 ng/ml
Dihydrocodeine	2.412	122456	1754.0	57.9	351.6	279221	26.526 ng/ml
Diphenhydramine	5.216	839206	68075.7	32.2	6612.8	1896111	24.484 ng/ml
Doxylamine	4.467	940328	560772.2	76.0	25698.1	1384769	24.972 ng/ml
EDDP	5.179	478303	∞	42.7	628769.9	954837	24.714 ng/ml
Etizolam	5.764	79046	36001.2	24.1	22334.0	206556	25.432 ng/ml
Fentanyl	5.052	30218	1510.5	115.8	51655.1	638262	2.307 ng/ml
Flualprazolam	5.654	82509	326094.2	91.3	18017.0	263159	25.983 ng/ml
Fluoxetine	5.660	275820	221892.3	6.6	6774.1	397486	25.049 ng/ml
Hydrocodone	2.912	116804	13957.0	38.7	3041.7	253505	26.087 ng/ml
Hydromorphone	1.473	121938	685.2	73.3	581.9	152982	24.826 ng/ml
Ketamine	3.987	266927	∞	37.5	2453.3	517124	25.416 ng/ml
Lamotrigine	4.198	26360	12408.1	92.7	∞	353928	23.904 ng/ml
Levetiracetam	2.496	51640	1066.3	160.2	3888.6	152982	24.514 ng/ml

AM #28 Multi-Drug Quant. Results

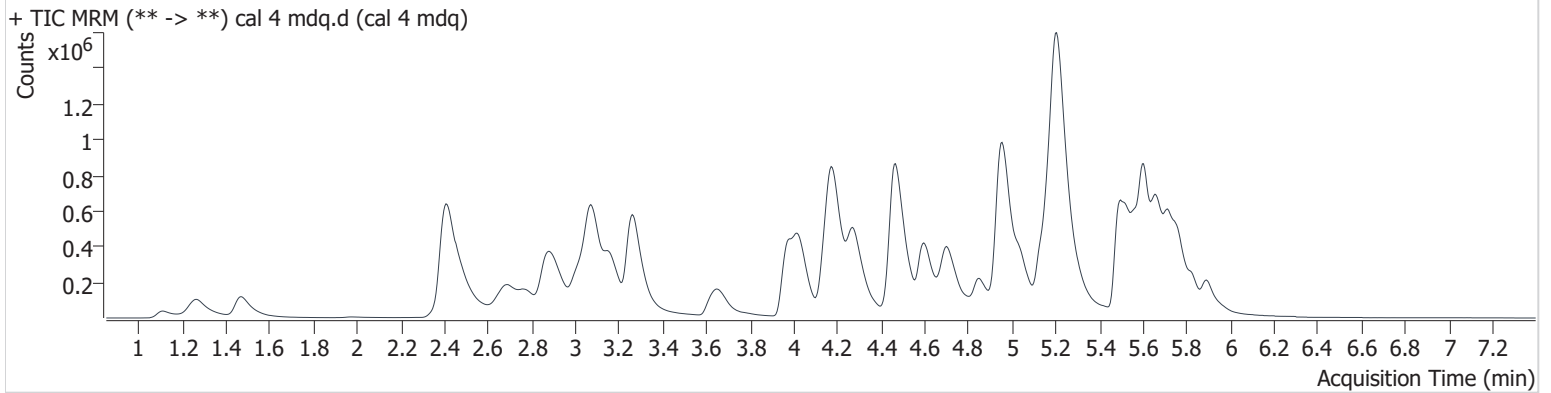
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.696	37301	2344.7	44.9	∞	176410	23.475 ng/ml
MDA	3.057	327290	31979.4	28.7	986.2	353928	26.007 ng/ml
MDMA	3.164	268001	∞	100.2	9871.1	109531	23.553 ng/ml
Meprobamate	4.821	62653	24798.5	31.2	2179.1	73859	28.486 ng/ml
Methadone	5.608	491450	14364192.9	59.4	711089.5	895326	23.708 ng/ml
Methamphetamine	3.084	594296	245.7	41.2	278.1	923178	25.645 ng/ml
Metoprolol	4.244	67943	19674.5	95.4	4581.8	1527632	27.563 ng/ml
Mirtazapine	4.597	596856	26534.7	48.8	816500.5	895326	23.215 ng/ml
Mitragynine	5.192	109970	261036.5	32.1	23406.2	1527632	27.260 ng/ml
Morphine	1.112	24736	3522.2	24.6	432.1	15511	25.289 ng/ml
Norbuprenorphine	4.916	2279	432.0	102.6	548.4	20707	2.437 ng/ml
Nordiazepam	5.840	87081	∞	62.6	418610.8	120840	25.865 ng/ml
Norfentanyl	3.987	8407	3975.2	278.4	∞	1071314	2.655 ng/ml
Norhydrocodone	2.938	9069	585.8	26.3	1090.5	67939	22.886 ng/ml
Noroxycodone	2.763	93095	771.5	42.9	520.1	132508	24.452 ng/ml
O-desmethyl-tramadol	3.266	691006	121315.6	6.3	6887.6	1277630	24.860 ng/ml
Oxazepam	5.698	85448	1864.8	69.7	889.0	176410	25.185 ng/ml
Oxycodone	2.696	269590	28281.3	29.9	7342.3	440932	24.582 ng/ml
Oxymorphone	1.265	166870	∞	44.2	∞	242696	24.928 ng/ml
Phentermine	3.663	109888	1964.7	10.4	506.7	554286	25.759 ng/ml
Promethazine	5.488	475617	633596.5	40.3	19300.6	943241	23.877 ng/ml
Pseudoephedrine	2.415	767581	10727.5	16.6	3183.5	1527632	24.586 ng/ml
Quetiapine	5.532	327833	∞	61.7	402597.5	210016	24.546 ng/ml
Sertraline	5.723	82286	∞	99.3	147964.7	133202	25.104 ng/ml
Temazepam	5.766	213893	∞	29.2	672.3	410461	23.638 ng/ml
Tramadol	4.157	677363	29386.4	3.6	265.3	1169391	26.433 ng/ml
Trazodone	5.208	381409	∞	78.4	∞	671971	26.393 ng/ml
Venlafaxine	4.955	438504	263378.6	38.8	16489.3	1275478	23.371 ng/ml
Zolpidem	4.959	648090	∞	29.4	∞	1274052	24.109 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File cal 4 mdq.d
Type Cal Sample cal 4 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-D1 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 5:21:45 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.044	13075	33884.8	128.7	71238.2	64400	5.159 ng/ml
7-aminoclonazepam	4.197	225471	4918.8	72.7	∞	164449	49.462 ng/ml
a-hydroxyalprazolam	5.638	29338	∞	54.1	∞	355073	53.402 ng/ml
alpha-PHP	4.851	226756	5933.4	252.9	2961.2	562668	49.205 ng/ml
alpha-PVP	4.282	769383	∞	53.7	15565.0	562668	49.727 ng/ml
Alprazolam	5.718	346417	3409.5	89.9	1748.8	242679	49.168 ng/ml
Amphetamine	2.874	488487	9802.6	254.5	31544.9	391178	52.954 ng/ml
Benzoylcegonine	3.790	17450	∞	56.2	238.0	10478	53.622 ng/ml
Buprenorphine	5.830	30069	22.4	17.0	102.1	96007	4.793 ng/ml
Bupropion	4.712	686180	145150.2	71.8	5474.5	652141	48.929 ng/ml
Carisoprodol	5.673	158820	833481.2	75.6	∞	152021	49.455 ng/ml
Citalopram	5.141	551145	3348.0	38.6	3957.0	480036	50.398 ng/ml
Clonazepam	5.560	154028	71026.7	35.8	40787.7	58562	50.006 ng/ml
Clonazepam	5.501	198708	28891.8	39.3	77281.9	355073	49.592 ng/ml
Cocaine	4.181	566074	839769.6	50.4	612600.8	906955	49.445 ng/ml
Codeine	2.448	89516	73662.9	87.1	24936.0	78542	51.479 ng/ml
Cyclobenzaprine	5.573	649835	169721.7	8.8	17001.3	379771	50.203 ng/ml
Dextromethorphan	5.184	395588	147310.4	76.4	243104.1	336100	48.970 ng/ml
Dextrophan	4.033	503380	332750.0	44.9	382913.9	495115	48.128 ng/ml
Diazepam	5.896	214258	1682.7	85.3	4305.9	195291	49.808 ng/ml
Dihydrocodeine	2.407	234220	153.5	60.8	1822.8	263604	54.274 ng/ml
Diphenhydramine	5.216	1624291	2307178.3	31.4	37064.2	1804766	49.568 ng/ml
Doxylamine	4.467	1842837	6920218.3	76.2	91400.6	1345717	50.230 ng/ml
EDDP	5.179	915093	2341688.5	43.9	446058.8	904710	49.741 ng/ml
Etizolam	5.764	145260	1231.2	24.5	149582.0	195291	50.216 ng/ml
Fentanyl	5.058	62444	28329.3	111.9	37380.5	601179	5.050 ng/ml
Flualprazolam	5.654	144771	2075.6	95.2	20971.8	242679	49.783 ng/ml
Fluoxetine	5.660	528848	∞	6.7	18059.3	384517	49.457 ng/ml
Hydrocodone	2.907	218587	6025.2	36.5	2149.9	251801	49.658 ng/ml
Hydromorphone	1.473	235362	1223.5	72.7	944.1	145553	50.363 ng/ml
Ketamine	3.992	513354	39424.4	37.3	4924.2	499100	51.137 ng/ml
Lamotrigine	4.198	49022	2571.9	90.5	73986.4	329768	46.623 ng/ml
Levetiracetam	2.491	97950	3813.8	163.5	3049.7	145553	49.916 ng/ml

AM #28 Multi-Drug Quant. Results

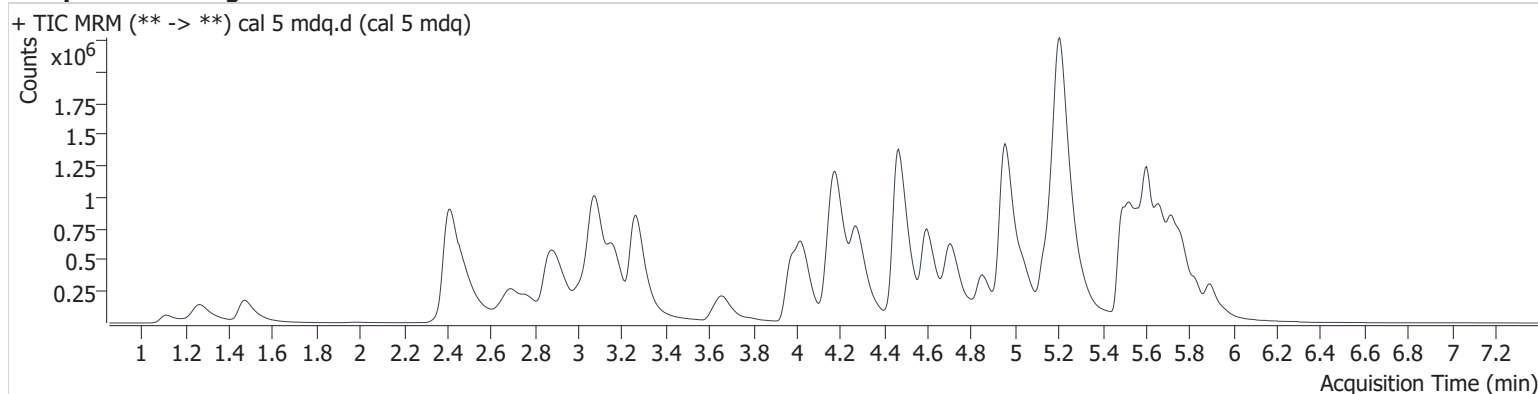
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.696	62020	∞	47.8	2220.6	148566	46.274 ng/ml
MDA	3.057	602800	11988.3	28.2	1108.8	329768	52.093 ng/ml
MDMA	3.164	509246	288470.6	99.7	10100.5	105090	47.030 ng/ml
Meprobamate	4.821	110464	8917.7	33.0	753.6	69804	54.901 ng/ml
Methadone	5.608	998220	15318.0	55.6	2667480.1	879922	48.782 ng/ml
Methamphetamine	3.084	1137005	604.9	39.3	370.3	885744	54.543 ng/ml
Metoprolol	4.244	129275	1388554.8	93.5	3582.3	1465405	55.808 ng/ml
Mirtazapine	4.602	1202943	54608.9	48.3	24956.8	879922	47.291 ng/ml
Mitragynine	5.197	204054	185193.9	32.7	20791.8	1465405	53.393 ng/ml
Morphine	1.112	48040	5820.2	23.5	654.6	14862	51.634 ng/ml
Norbuprenorphine	4.916	4402	673.4	87.1	365.8	19195	5.049 ng/ml
Nordiazepam	5.835	159007	∞	63.4	537090.3	115319	49.425 ng/ml
Norfentanyl	3.992	15374	985.9	281.3	2059.2	1014320	5.318 ng/ml
Norhydrocodone	2.938	18279	516.6	28.7	307.1	65076	46.319 ng/ml
Noroxycodone	2.763	176044	1495.3	42.6	523.3	126197	48.653 ng/ml
O-desmethyl-tramadol	3.266	1325966	88169.0	6.5	11460.0	1221699	49.948 ng/ml
Oxazepam	5.698	135793	1043.7	71.9	801.3	148566	47.490 ng/ml
Oxycodone	2.691	514176	3698.8	28.7	2563.7	413064	50.061 ng/ml
Oxymorphone	1.265	323801	∞	43.9	∞	230576	51.169 ng/ml
Phentermine	3.663	215562	4203.5	10.6	615.9	542592	52.678 ng/ml
Promethazine	5.488	933911	650077.2	39.9	45402.2	917502	47.823 ng/ml
Pseudoephedrine	2.415	1484987	∞	16.6	5882.8	1465405	49.541 ng/ml
Quetiapine	5.532	650098	595912.8	60.2	1408069.0	205346	49.449 ng/ml
Sertraline	5.729	157272	210022.3	100.7	563487.9	128139	49.722 ng/ml
Temazepam	5.766	381533	17480.9	29.4	1511.9	355073	48.417 ng/ml
Tramadol	4.162	1287384	66097.9	3.6	430.9	1136471	52.159 ng/ml
Trazodone	5.208	730255	∞	78.4	∞	644970	53.294 ng/ml
Venlafaxine	4.955	844035	194955.8	37.9	3763.6	1200540	47.193 ng/ml
Zolpidem	4.959	1265981	∞	29.5	∞	1213062	49.570 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument 69679 Data File cal 5 mdq.d
Type Cal Sample cal 5 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-E1 Comment
Injection Volume 3
Acq. Date-Time 7/8/2022 5:30:47 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.033	23337	17171.2	130.4	51278.0	58623	10.088 ng/ml
7-aminoclonazepam	4.197	413098	21271.4	72.8	3639.1	154867	95.840 ng/ml
a-hydroxyalprazolam	5.638	47651	∞	56.0	445.9	294652	106.292 ng/ml
alpha-PHP	4.857	407734	2058.1	258.8	125481.4	521954	95.187 ng/ml
alpha-PVP	4.282	1380643	48548.8	54.6	51173.2	521954	96.094 ng/ml
Alprazolam	5.723	615862	3611.3	91.7	∞	216311	97.976 ng/ml
Amphetamine	2.874	865144	10410.1	247.9	28035.6	348177	106.039 ng/ml
Benzoylcegonine	3.790	34473	7821.8	54.6	1726.7	11778	93.790 ng/ml
Buprenorphine	5.830	52592	1139.4	15.6	223.5	80310	10.035 ng/ml
Bupropion	4.712	1292739	87195.1	72.0	9188.2	603848	99.340 ng/ml
Carisoprodol	5.678	275408	295798.2	71.0	2637.9	131959	98.699 ng/ml
Citalopram	5.141	952784	14609.5	38.4	12706.9	427955	97.601 ng/ml
Clonazepam	5.560	247728	78784.9	35.2	∞	46525	101.715 ng/ml
Clonazepam	5.507	350882	∞	36.9	11017.8	294652	105.265 ng/ml
Cocaine	4.176	1059417	98823.1	49.2	1379270.2	825578	101.608 ng/ml
Codeine	2.453	152682	37665.5	88.9	9551.5	68071	101.117 ng/ml
Cyclobenzaprine	5.578	1109670	959782.3	8.7	104748.2	322182	100.982 ng/ml
Dextromethorphan	5.179	694602	∞	74.5	198627.1	290410	99.118 ng/ml
Dextrophan	4.033	908929	90012.5	45.3	26504.1	444619	96.188 ng/ml
Diazepam	5.896	387060	4123.6	86.9	3718.8	177808	98.801 ng/ml
Dihydrocodeine	2.407	420090	1575.6	60.1	1317.0	239590	107.606 ng/ml
Diphenhydramine	5.216	2943096	199964.7	31.8	12381.4	1617731	99.982 ng/ml
Doxylamine	4.467	3388408	4126685.8	76.9	122659.7	1249762	99.322 ng/ml
EDDP	5.179	1534611	45896.4	44.4	∞	773714	97.386 ng/ml
Etizolam	5.764	271391	∞	25.3	∞	177808	103.919 ng/ml
Fentanyl	5.052	107901	∞	116.8	128546.7	562172	9.325 ng/ml
Flualprazolam	5.654	266543	∞	93.4	8565.0	216311	103.238 ng/ml
Fluoxetine	5.665	833212	425559.4	6.8	64082.8	305440	97.904 ng/ml
Hydrocodone	2.907	385032	∞	37.2	2025.8	218476	101.407 ng/ml
Hydromorphone	1.473	412825	1806.3	73.2	1950.0	129125	99.575 ng/ml
Ketamine	3.987	942648	∞	38.4	5247.0	466663	100.906 ng/ml
Lamotrigine	4.193	90154	∞	86.8	227641.9	286391	97.504 ng/ml
Levetiracetam	2.491	191952	4659.6	160.7	6870.7	129125	111.537 ng/ml

AM #28 Multi-Drug Quant. Results

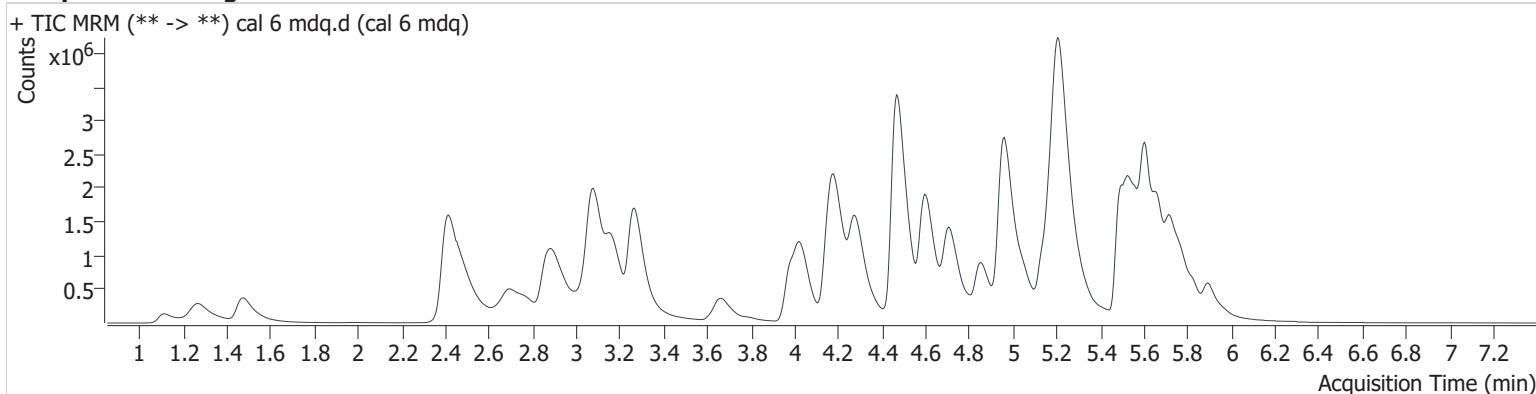
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.696	87838	∞	44.0	842.0	106210	91.599 ng/ml
MDA	3.057	1023562	40499.4	28.1	2418.5	286391	102.520 ng/ml
MDMA	3.164	952135	∞	99.4	13072593.2	87556	106.027 ng/ml
Meprobamate	4.821	199149	4167.4	31.5	1902.9	59791	117.803 ng/ml
Methadone	5.608	1721424	55014.0	56.8	9783.3	758920	97.336 ng/ml
Methamphetamine	3.084	2078818	1524.2	39.4	835.7	861465	105.547 ng/ml
Metoprolol	4.244	221089	127281.8	101.7	∞	1370631	103.001 ng/ml
Mirtazapine	4.597	2151523	66695.1	49.2	71958.0	758920	97.743 ng/ml
Mitragynine	5.192	348011	13527.7	32.9	126694.5	1370631	97.941 ng/ml
Morphine	1.112	83972	7686.1	22.9	3104.9	13674	98.430 ng/ml
Norbuprenorphine	4.921	8160	3670.7	92.6	399.8	17152	10.446 ng/ml
Nordiazepam	5.840	282239	∞	61.0	∞	100450	100.642 ng/ml
Norfentanyl	3.992	28123	∞	284.5	5574.1	927462	10.841 ng/ml
Norhydrocodone	2.938	37158	558.3	32.0	1279.2	65051	92.471 ng/ml
Noroxycodone	2.763	313380	4524.0	42.4	4096.2	108350	100.984 ng/ml
O-desmethyl-tramadol	3.266	2524752	539470.6	6.4	∞	1176920	98.781 ng/ml
Oxazepam	5.703	201520	4011.8	71.4	1479.6	106210	98.540 ng/ml
Oxycodone	2.691	891337	12076.7	28.4	11570.7	360195	99.533 ng/ml
Oxymorphone	1.265	544126	∞	43.7	∞	196532	101.117 ng/ml
Phentermine	3.668	398918	∞	10.5	3719.8	515043	103.699 ng/ml
Promethazine	5.488	1655623	20038.9	39.9	853107.3	788140	98.302 ng/ml
Pseudoephedrine	2.415	2771594	67804.9	16.4	19358.4	1370631	98.816 ng/ml
Quetiapine	5.532	1145574	∞	61.7	∞	181181	98.436 ng/ml
Sertraline	5.723	256470	∞	96.5	397840.1	103840	99.898 ng/ml
Temazepam	5.766	631714	29527.4	29.1	1646.4	294652	96.299 ng/ml
Tramadol	4.157	2402356	80747.3	3.5	1707.8	1091374	101.814 ng/ml
Trazodone	5.208	1340043	31800.3	78.2	15352.8	595385	106.582 ng/ml
Venlafaxine	4.955	1571314	47173.1	38.5	8205.2	1097772	95.490 ng/ml
Zolpidem	4.959	2370212	389764.3	29.7	462480.0	1138765	98.963 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F1	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 5:39:49 PM		

Sample Chromatogram

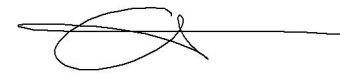


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.038	47048	411370.8	137.5	223450.2	49007	24.288 ng/ml
7-aminoclonazepam	4.203	815507	28267.4	74.2	17786.5	118133	247.375 ng/ml
a-hydroxyalprazolam	5.638	74304	∞	53.1	846.6	205746	239.648 ng/ml
alpha-PHP	4.857	1032004	5211.8	254.1	6819.2	501205	250.568 ng/ml
alpha-PVP	4.282	3478155	350069.5	53.4	109313.0	501205	251.932 ng/ml
Alprazolam	5.723	1229091	3480.1	92.5	∞	166439	253.976 ng/ml
Amphetamine	2.874	1763229	44500.7	239.5	58771.4	297824	253.593 ng/ml
Benzoylcegonine	3.790	88941	9614.0	55.8	7497.7	12135	233.968 ng/ml
Buprenorphine	5.835	138444	941.5	15.7	236.0	87983	24.129 ng/ml
Bupropion	4.712	3238337	∞	71.7	14610.6	605372	247.914 ng/ml
Carisoprodol	5.678	473956	∞	69.0	12213.2	91382	245.126 ng/ml
Citalopram	5.141	2196064	25410.0	39.3	20163.5	377037	255.124 ng/ml
Clonazepam	5.560	369189	42517.2	33.7	∞	28584	247.397 ng/ml
Clonazepam	5.501	634097	13328.7	38.5	∞	205746	272.063 ng/ml
Cocaine	4.181	2513122	126259.0	49.5	1146305.0	794524	250.384 ng/ml
Codeine	2.453	301244	∞	91.7	13684.0	55161	245.911 ng/ml
Cyclobenzaprine	5.573	2744336	315642.4	8.8	1128850.4	317273	253.502 ng/ml
Dextromethorphan	5.179	1596747	26691.2	76.2	∞	265824	248.348 ng/ml
Dextrophan	4.033	2208320	∞	45.0	∞	424536	243.859 ng/ml
Diazepam	5.896	905238	56059.2	87.1	19076.5	161519	254.335 ng/ml
Dihydrocodeine	2.401	906559	2495.7	61.4	1973.6	220544	252.968 ng/ml
Diphenhydramine	5.216	6705313	597867.5	30.9	∞	1460842	251.933 ng/ml
Doxylamine	4.472	9346028	6153234.0	78.0	236620.2	1370782	249.571 ng/ml
EDDP	5.179	3873794	90730.4	43.7	102922.6	760643	249.805 ng/ml
Etizolam	5.764	616282	5259.4	25.1	∞	161519	261.031 ng/ml
Fentanyl	5.058	286666	917596.2	111.7	117186.7	554720	25.092 ng/ml
Flualprazolam	5.654	514829	∞	94.0	∞	166439	259.733 ng/ml
Fluoxetine	5.660	2087913	2160285.6	6.9	63968.2	303512	246.596 ng/ml
Hydrocodone	2.907	897902	∞	37.4	2686.4	200438	258.653 ng/ml
Hydromorphone	1.473	972872	2084.5	72.6	1129.6	121125	250.156 ng/ml
Ketamine	3.987	2278956	247979.7	38.2	9694.6	442638	257.960 ng/ml
Lamotrigine	4.198	185567	15650.1	86.7	129928.1	215332	265.025 ng/ml
Levetiracetam	2.496	411955	17491.3	157.8	81776.9	121125	256.538 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.691	110124	∞	44.9	∞	47766	255.215 ng/ml
MDA	3.052	1939305	74585.4	27.4	7055.9	215332	259.405 ng/ml
MDMA	3.169	2207596	149236.4	98.6	98323.6	82386	261.832 ng/ml
Meprobamate	4.821	410344	4276.4	30.2	2085.1	56052	261.359 ng/ml
Methadone	5.608	4639309	319929.9	53.0	37938.0	793302	250.638 ng/ml
Methamphetamine	3.084	4736850	3683.5	40.0	2361.0	824611	255.979 ng/ml
Metoprolol	4.244	475175	59003.5	104.6	21432.2	1240994	246.088 ng/ml
Mirtazapine	4.602	5771519	∞	49.7	146408.2	793302	250.362 ng/ml
Mitragynine	5.192	804780	21943.2	32.7	31767.8	1240994	251.253 ng/ml
Morphine	1.112	202827	21493.7	23.4	7572.5	12868	253.207 ng/ml
Norbuprenorphine	4.916	18549	24195.5	87.2	855.5	15484	26.265 ng/ml
Nordiazepam	5.840	545307	∞	62.7	∞	77759	251.084 ng/ml
Norfentanyl	3.987	60460	89374.2	281.2	6748.0	849489	25.720 ng/ml
Norhydrocodone	2.943	108674	∞	33.0	2599.5	65830	264.095 ng/ml
Noroxycodone	2.768	636479	∞	43.0	∞	96709	229.921 ng/ml
O-desmethyl-tramadol	3.266	6330817	792955.8	6.4	∞	1177183	247.729 ng/ml
Oxazepam	5.692	229003	329779.4	71.5	∞	47766	248.929 ng/ml
Oxycodone	2.696	1996593	18225.6	28.7	15507.9	324778	247.288 ng/ml
Oxymorphone	1.265	1314771	∞	43.5	∞	189592	253.640 ng/ml
Phentermine	3.668	924364	15514.7	9.5	2419.2	483408	257.562 ng/ml
Promethazine	5.495	4561694	112643.0	38.5	78858.3	851503	250.122 ng/ml
Pseudoephedrine	2.415	6310679	93702.6	16.3	17527.7	1240994	248.434 ng/ml
Quetiapine	5.532	2902336	1300041.0	61.4	∞	183871	245.253 ng/ml
Sertraline	5.723	710948	5549549.1	99.0	∞	117200	245.127 ng/ml
Temazepam	5.771	1079179	24187.4	29.0	1179.8	205746	235.156 ng/ml
Tramadol	4.157	5716913	59435.4	3.7	5027.3	1061570	249.794 ng/ml
Trazodone	5.208	3026265	∞	78.4	19936.9	586054	245.369 ng/ml
Venlafaxine	4.960	3875066	40775.8	37.1	72264.2	1015676	253.571 ng/ml
Zolpidem	4.959	5818352	∞	29.3	∞	1091390	253.638 ng/ml

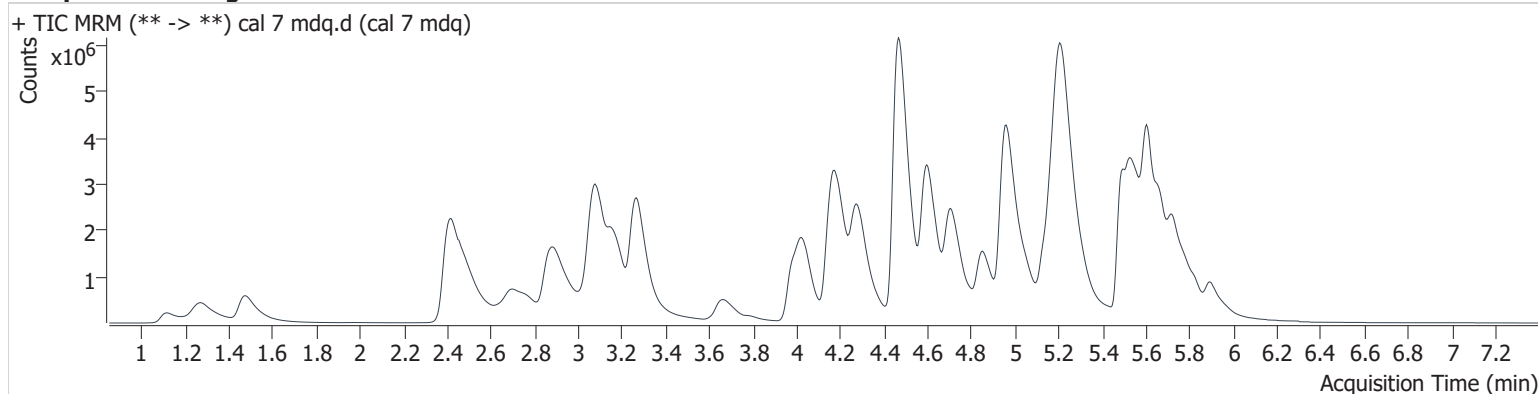
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G1	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 5:48:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.033	68503	3024.2	136.2	101960.9	35358	48.986 ng/ml
7-aminoclonazepam	4.203	1052703	5949.7	75.9	201713.2	78315	481.294 ng/ml
a-hydroxyalprazolam	5.633	85416	∞	55.4	275.4	122556	464.201 ng/ml
alpha-PHP	4.857	1894068	7087.3	250.1	∞	447070	515.345 ng/ml
alpha-PVP	4.282	6301878	118405.1	53.0	67744.1	447070	511.623 ng/ml
Alprazolam	5.723	1792989	2731.3	92.2	∞	123418	499.558 ng/ml
Amphetamine	2.874	2572949	51838.7	241.1	65392.5	234246	471.066 ng/ml
Benzoylcegonine	3.795	169077	14626.6	54.9	22376.5	10971	491.287 ng/ml
Buprenorphine	5.835	260196	2926.1	15.7	399.7	78643	50.748 ng/ml
Bupropion	4.712	6012285	80938.1	70.1	41206.5	553515	503.186 ng/ml
Carisoprodol	5.678	617392	∞	68.5	33885.1	57185	510.154 ng/ml
Citalopram	5.136	3604823	58319.2	40.6	402770.6	311804	506.265 ng/ml
Clonazepam	5.560	385183	19953.6	33.8	495086.4	14553	507.454 ng/ml
Clonazepam	5.501	772544	2722.1	36.9	8509.4	122556	556.215 ng/ml
Cocaine	4.181	4277627	529951.7	49.1	∞	674376	502.065 ng/ml
Codeine	2.458	462628	386043.4	88.7	20642.7	41733	498.959 ng/ml
Cyclobenzaprine	5.573	4470428	487537.3	8.7	∞	264747	494.811 ng/ml
Dextromethorphan	5.179	2566369	128108.5	77.0	25799.1	210502	503.666 ng/ml
Dextrophan	4.033	3822050	103694.0	45.1	148472.8	358319	499.449 ng/ml
Diazepam	5.896	1527713	17050.2	87.0	∞	141313	490.576 ng/ml
Dihydrocodeine	2.396	1441123	3796.1	61.3	1750.9	188562	470.786 ng/ml
Diphenhydramine	5.222	10951930	50909.1	31.1	∞	1174363	511.649 ng/ml
Doxylamine	4.467	17850371	210042.1	78.9	202696.9	1282198	509.463 ng/ml
EDDP	5.179	6989144	122255.2	43.6	38436.7	661994	517.694 ng/ml
Etizolam	5.764	983201	5809.1	25.3	17576.4	141313	476.673 ng/ml
Fentanyl	5.058	519010	36515.1	116.2	710494.7	526321	47.873 ng/ml
Flualprazolam	5.654	725264	2887.0	93.1	1996.0	123418	493.787 ng/ml
Fluoxetine	5.665	3282641	659892.5	6.8	45319.1	239861	490.392 ng/ml
Hydrocodone	2.907	1540851	∞	37.7	∞	180133	494.421 ng/ml
Hydromorphone	1.478	1646257	2663.5	72.5	1513.4	102043	502.461 ng/ml
Ketamine	3.987	3884741	145027.8	38.2	29005.7	391727	497.332 ng/ml
Lamotrigine	4.204	262348	33389.7	88.8	7028.1	155920	516.411 ng/ml
Levetiracetam	2.501	671371	50954.9	159.0	124156.7	102043	497.250 ng/ml

AM #28 Multi-Drug Quant. Results

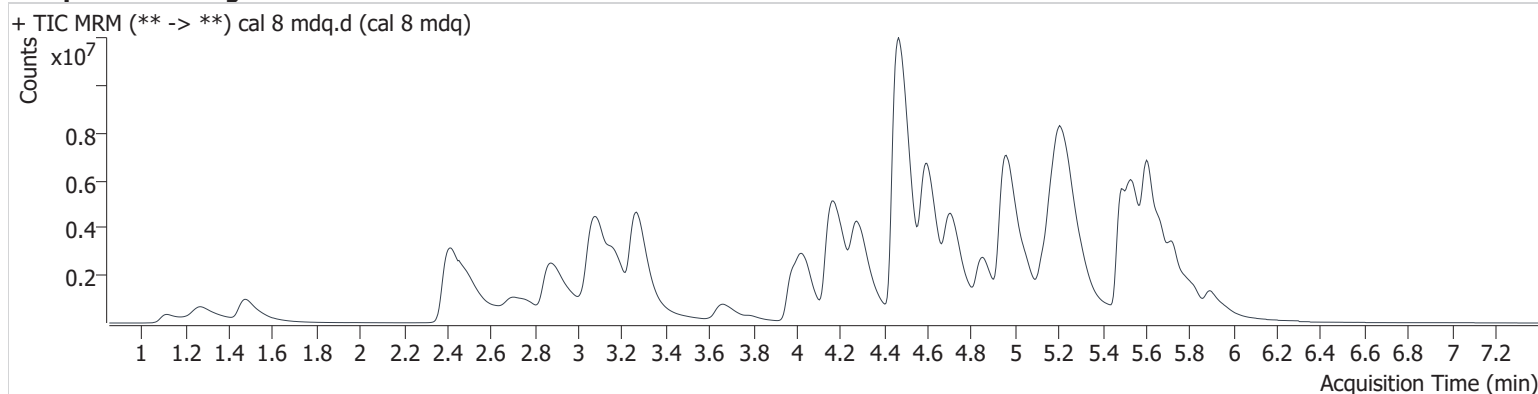
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.691	117416	∞	45.9	5973.5	22211	585.104 ng/ml
MDA	3.047	2649684	43577.4	27.8	4544.7	155920	490.098 ng/ml
MDMA	3.169	3575899	706895.8	99.8	155559.4	72551	481.937 ng/ml
Meprobamate	4.816	585779	151049.4	30.7	3510.9	43985	477.126 ng/ml
Methadone	5.608	8441934	17911.8	52.7	54224.5	700016	516.638 ng/ml
Methamphetamine	3.084	7838553	5338.9	40.1	3936.4	749367	468.941 ng/ml
Metoprolol	4.244	711777	68133.4	106.0	∞	978516	468.540 ng/ml
Mirtazapine	4.602	10543161	138381.2	49.4	133206.6	700016	517.974 ng/ml
Mitragynine	5.192	1296052	19722.7	35.1	212682.9	978516	513.906 ng/ml
Morphine	1.117	346619	58127.5	23.3	10250.3	11375	489.859 ng/ml
Norbuprenorphine	4.916	27093	21203.5	101.6	10270.7	12964	45.800 ng/ml
Nordiazepam	5.840	736257	73464.6	61.9	∞	51411	512.677 ng/ml
Norfentanyl	3.987	92074	∞	277.0	6409.9	693736	48.137 ng/ml
Norhydrocodone	2.948	195258	4094.9	33.1	333.5	55221	563.773 ng/ml
Noroxycodone	2.768	1063838	∞	37.2	∞	70841	524.759 ng/ml
O-desmethyl-tramadol	3.266	11302879	163964.0	6.3	111997.4	1039832	500.771 ng/ml
Oxazepam	5.698	216819	2642.4	70.0	23306.4	22211	506.814 ng/ml
Oxycodone	2.701	3129125	137099.1	29.0	86000.4	253957	495.650 ng/ml
Oxymorphone	1.270	2186420	∞	43.2	∞	160744	497.728 ng/ml
Phentermine	3.668	1500102	2414.0	9.1	27038.0	417346	485.074 ng/ml
Promethazine	5.488	8419247	183007.1	37.3	76072.8	774623	507.072 ng/ml
Pseudoephedrine	2.420	10253173	10747.5	16.1	10471.5	978516	511.867 ng/ml
Quetiapine	5.536	4837664	1015291.3	61.9	1345635.6	144864	518.504 ng/ml
Sertraline	5.723	1221874	∞	95.4	7097522.8	95593	516.337 ng/ml
Temazepam	5.771	1414827	13641.8	29.0	10071.4	122556	517.193 ng/ml
Tramadol	4.157	9913784	568342.1	3.6	3920.6	948544	485.246 ng/ml
Trazodone	5.218	4774446	15831.1	79.0	∞	483171	470.133 ng/ml
Venlafaxine	4.955	6696559	43281.5	36.1	531669.4	858509	517.823 ng/ml
Zolpidem	4.964	10302763	300940.1	29.2	121301.3	975252	502.712 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\CDA\Instrument 069679\2022\am 27-28\070822\QuantResults\mdq.batch.bin
Calibration Last Update 7/12/2022 9:55:21 AM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H1	Comment	
Injection Volume	3		
Acq. Date-Time	7/8/2022 5:57:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.028	102267	3682.5	134.7	8531.8	26704	96.801 ng/ml
7-aminoclonazepam	4.203	1140246	2802.2	77.6	11281.1	35603	1146.162 ng/ml
a-hydroxyalprazolam	5.633	91378	621.9	52.8	464.6	61483	991.984 ng/ml
alpha-PHP	4.857	3524380	3525.5	257.1	∞	414109	1035.048 ng/ml
alpha-PVP	4.282	11839620	98587.7	52.5	367776.9	414109	1037.607 ng/ml
Alprazolam	5.718	2469471	7965.3	93.5	32340.7	80770	1051.230 ng/ml
Amphetamine	2.869	3821868	138170.9	233.8	284374.7	184525	888.870 ng/ml
Benzoylcegonine	3.795	372639	18727.2	55.0	6987.3	11414	1040.136 ng/ml
Buprenorphine	5.835	464746	2147.1	15.7	1090.3	71051	100.340 ng/ml
Bupropion	4.712	11971277	302998.6	67.3	96965.9	528529	1049.054 ng/ml
Carisoprodol	5.678	731209	∞	70.7	14530.1	34345	1005.898 ng/ml
Citalopram	5.130	5399257	81542.1	40.9	20992.8	242305	975.646 ng/ml
Clonazepam	5.555	267376	20813.0	34.7	144904.5	5283	970.838 ng/ml
Clonazepam	5.496	641282	5940.0	38.8	∞	61483	920.182 ng/ml
Cocaine	4.181	7754287	180261.5	48.4	∞	619431	990.804 ng/ml
Codeine	2.463	721763	53895.3	94.6	2521.8	32826	989.466 ng/ml
Cyclobenzaprine	5.573	6515326	53563.9	8.7	990984.6	194162	983.245 ng/ml
Dextromethorphan	5.169	4038214	115002.1	75.9	74408.9	166690	1000.451 ng/ml
Dextrophan	4.033	6925837	232946.3	44.8	270922.8	320193	1012.210 ng/ml
Diazepam	5.896	2650310	∞	86.2	∞	116514	1032.170 ng/ml
Dihydrocodeine	2.391	2413454	12210.3	61.8	2903.4	179224	829.902 ng/ml
Diphenhydramine	5.227	17011134	2755964713	31.6	32003.2	916857	1017.716 ng/ml
			307720.0				
Doxylamine	4.467	39005314	497321.8	83.3	388425.9	1429494	998.409 ng/ml
EDDP	5.174	14484688	97751.0	42.8	175352.3	697133	1018.665 ng/ml
Etizolam	5.764	1636653	6712506527	25.5	∞	116514	963.207 ng/ml
			33911.0				
Fentanyl	5.058	1035523	6977425.7	119.3	1441540.2	488948	102.807 ng/ml
Flualprazolam	5.654	884702	1761.1	88.7	748.6	80770	920.712 ng/ml
Fluoxetine	5.665	4558940	243843.8	7.0	131960.1	153007	1067.427 ng/ml
Hydrocodone	2.907	3005871	∞	38.1	∞	187179	928.706 ng/ml
Hydromorphone	1.478	2951794	1394.8	72.6	1327.8	91386	1005.990 ng/ml
Ketamine	3.982	6938331	162288.5	36.9	29031.5	377665	921.754 ng/ml
Lamotrigine	4.204	326504	7385.1	89.9	8429.1	102639	975.354 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.501	1096480	88125.6	158.7	88829.1	91386	907.677 ng/ml
Lorazepam	5.691	125623	∞	49.1	1862.7	9231	1506.169 ng/ml
MDA	3.042	3043845	538477.6	27.6	12369.0	102639	855.789 ng/ml
MDMA	3.169	6174931	1658794.6	97.2	718787.7	59125	1021.643 ng/ml
Meprobamate	4.811	723731	74884.6	30.2	2939.5	31337	828.916 ng/ml
Methadone	5.608	16130868	54318.5	49.9	315960.8	650198	1062.619 ng/ml
Methamphetamine	3.084	13455148	8074.8	36.6	356.2	693199	873.107 ng/ml
Metoprolol	4.244	1081512	470583.1	97.3	∞	812397	858.459 ng/ml
Mirtazapine	4.602	21443658	195513.6	48.1	157785.3	650198	1133.864 ng/ml
Mitragynine	5.197	2054734	15314.4	35.7	14339.2	812397	981.979 ng/ml
Morphine	1.117	612059	60866.6	23.5	18688.2	10097	974.812 ng/ml
Norbuprenorphine	4.911	46608	43166.2	87.3	4288.0	10301	99.127 ng/ml
Nordiazepam	5.845	840904	23133.8	61.8	11534.6	31301	961.675 ng/ml
Norfentanyl	3.982	132525	∞	273.2	12942.6	579422	83.102 ng/ml
Norhydrocodone	2.948	325317	1795.6	34.2	1890.2	48002	1079.038 ng/ml
Noroxycodone	2.768	1635952	∞	35.5	∞	55144	1036.780 ng/ml
O-desmethyl-tramadol	3.266	23055287	248900.5	6.1	128689.5	1035186	1026.105 ng/ml
Oxazepam	5.698	185786	711.8	61.1	11248.3	9231	1044.920 ng/ml
Oxycodone	2.706	5339004	30192.5	29.1	6015.2	209456	1025.384 ng/ml
Oxymorphone	1.270	3792488	∞	43.6	∞	143485	967.420 ng/ml
Phentermine	3.668	2638692	∞	8.6	18688.6	391655	910.140 ng/ml
Promethazine	5.488	15652949	311143.2	35.6	158219.2	679855	1073.742 ng/ml
Pseudoephedrine	2.415	16996582	4358.0	16.1	∞	812397	1021.979 ng/ml
Quetiapine	5.532	8445283	400147.8	60.6	48291.6	128990	1016.253 ng/ml
Sertraline	5.729	1857729	1858930.4	99.0	50802.9	75741	990.654 ng/ml
Temazepam	5.776	1581621	42497.1	29.7	1842.5	61483	1152.092 ng/ml
Tramadol	4.152	18156747	∞	3.4	54946.8	912046	924.714 ng/ml
Trazodone	5.223	7024284	104572.8	78.4	24151.8	363614	919.716 ng/ml
Venlafaxine	4.949	11627969	49961.7	36.3	41210.9	696457	1107.715 ng/ml
Zolpidem	4.959	20526964	153309.4	29.5	88871.6	950373	1027.917 ng/ml