

**Worklist: 4915****REVIEWED**

By Brittany Wylie at 1:27 pm, Apr 20, 2021

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2021-0602	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0613	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0719	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0728	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0734	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0779	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0789	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0792	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0838	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0844	1	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0844	2	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0844	3	URINE	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0851	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0861	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Extraction Date 4/15/21 Analyst: Anne Nord
Plate lot#: 201207 (part IDP-121) Plate Expiration: 06/07/21

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

Blank Blood Lot: 20J20793 **Urine Blank lot:** 2121

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: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. 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
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. 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
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

Curve limits: Amphetamine 5-250, Benzoylcegonine 10-1000, dihydrocodeine 5-500, lorazepam 25-1000, Methamphetamine 5-500, norbuprenorphine 2.5-100, norhydrocodone 50-1000, oxazepam 25-1000 qualitative only, trazodone 5-500

Hydromorphone- used morphine-D6 as internal standard – report qualitative only.

Meprobamate not evaluated (ratios out), Phentermine not evaluated (ratios out)

GA

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	613-1	844-2	IS + Cal. 1	IS + QC_1			734-1			IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	789-1	844-1	IS + Cal. 2	IS + QC_2			861-1			IS + Cal. 7
C	IS + Cal. 3	qc3	792-1		IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	851-1		IS + Cal. 4	IS + QC_4					qc2 urine	IS + Cal. 5
E	IS + Cal. 5	Qc 2 urine	719-1		IS + Cal. 5	qc2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	728-1	838-1		IS + Cal. 6						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	602-1	neg urine		IS + Cal. 7						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	779-2	844-3		IS + Cal. 8						IS + QC_1	IS + Cal. 1



c2021-0__-__

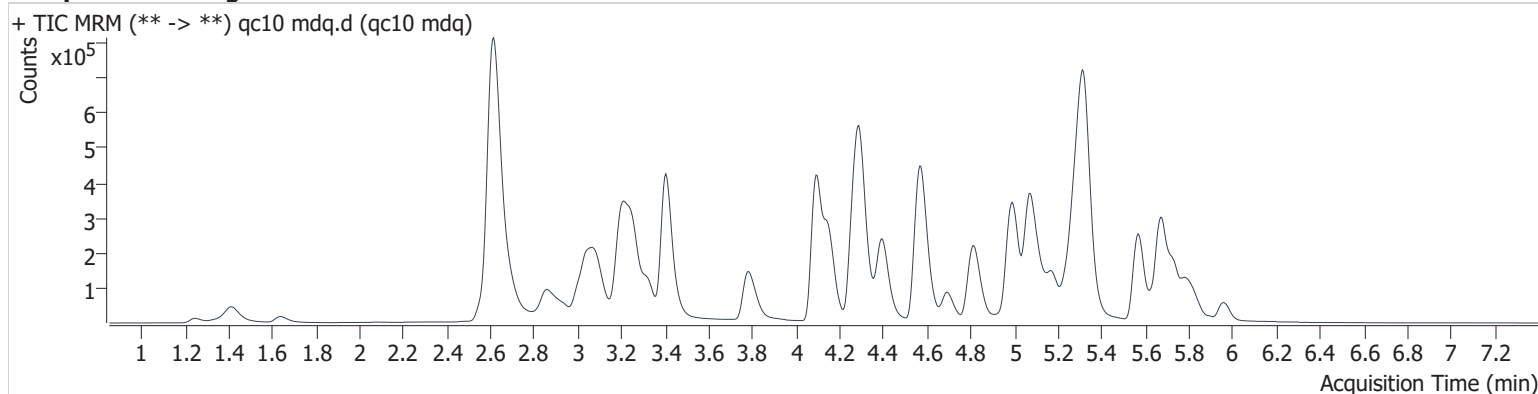


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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 4/15/2021 1:00:35 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.186	2669	6805.1	130.6	3217.8	67019	0.969 ng/ml
7-aminoclonazepam	4.318	14972	471.6	72.7	494.0	62534	9.088 ng/ml
a-hydroxyalprazolam	5.722	2112	9893.3	51.8	2424.4	8327	12.010 ng/ml
alpha-PHP	4.966	105169	∞	39.5	10098.4	675702	9.900 ng/ml
alpha-PVP	4.408	141895	163129.6	51.0	∞	611347	9.710 ng/ml
Alprazolam	5.796	47091	1319.3	89.7	∞	173576	9.634 ng/ml
Amphetamine	3.093	230299	2116.9	44.2	4610.1	401113	9.900 ng/ml
Benzoylcegonine	3.921	2548	3840.2	14.0	∞	8460	10.308 ng/ml
Buprenorphine	5.757	1452	3709.6	14.6	514.8	63207	0.770 ng/ml
Bupropion	4.831	136600	∞	66.7	∞	675702	9.984 ng/ml
Carisoprodol	5.746	33424	∞	58.3	345.9	131409	9.351 ng/ml
Citalopram	5.258	89600	2955.9	40.5	22352.3	423435	9.292 ng/ml
Clonazepam	5.639	4857	∞	28.7	5479.2	8327	9.872 ng/ml
Clonazepam	5.581	11125	9237.5	37.5	3179.1	173576	10.305 ng/ml
Cocaine	4.296	110581	12359.2	46.0	64608.2	936670	9.677 ng/ml
Codeine	2.649	17187	∞	85.9	6697.4	79030	9.576 ng/ml
Cyclobenzaprine	5.647	53600	8641.9	10.8	31106.7	198948	8.993 ng/ml
Dextromethorphan	5.297	59976	54510.1	76.4	18573.2	297624	8.873 ng/ml
Dextrophan	4.154	103047	52964.9	44.7	74444.3	579907	9.458 ng/ml
Diazepam	5.963	27448	1591.4	86.3	∞	135657	9.249 ng/ml
Dihydrocodeine	2.602	42831	396.8	57.0	274.6	259726	9.630 ng/ml
Diphenhydramine	5.323	293094	∞	30.0	2106.8	1477105	9.751 ng/ml
Doxylamine	4.587	314774	49729.9	81.7	8286.4	1302822	9.377 ng/ml
EDDP	5.291	154722	23655.4	42.6	255468.2	783964	9.427 ng/ml
Etizolam	5.831	23198	50824.2	23.8	18321.6	135657	10.575 ng/ml
Fentanyl	5.144	5516	∞	136.9	∞	291911	0.944 ng/ml
Flualprazolam	5.727	19503	∞	97.5	3793.1	173576	9.345 ng/ml
Fluoxetine	5.728	40773	23457.6	8.0	109905.4	155661	9.656 ng/ml
Hydrocodone	3.080	44959	1767.8	32.3	∞	534280	9.335 ng/ml
Hydromorphone	1.638	41289	2230.1	75.7	1686.4	10707	9.695 ng/ml
Ketamine	4.114	98317	∞	37.8	1444.0	510718	9.098 ng/ml
Lamotrigine	4.340	9153	8288.1	84.6	∞	413877	9.397 ng/ml
Levetiracetam	2.697	49246	2191.4	225.7	3010.9	401113	11.114 ng/ml



AM #28 Multi-Drug Quant. Results

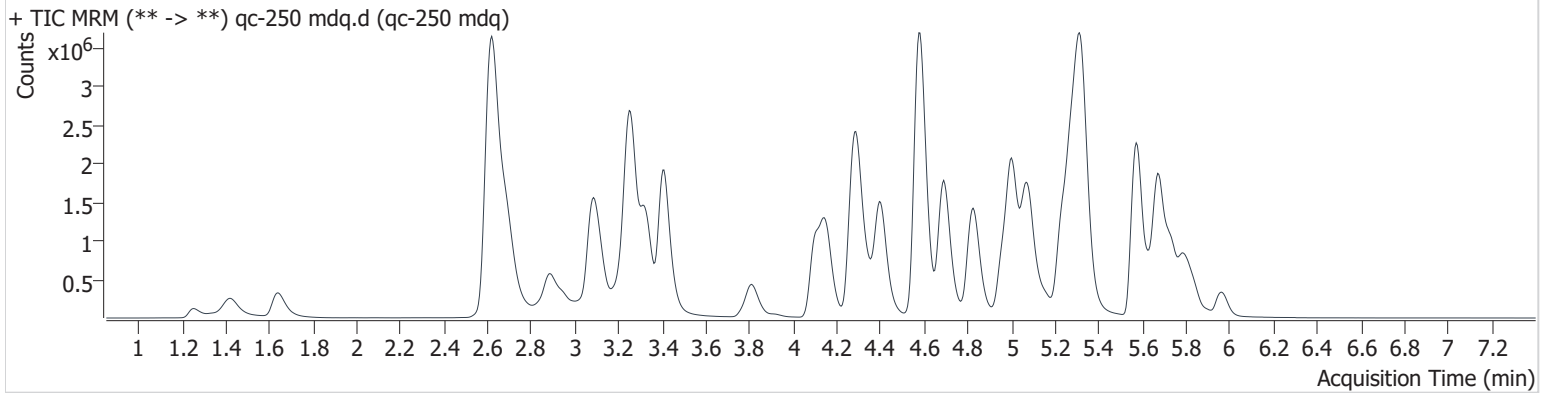
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	1346	13.6	50.6	38.3	6991	6.819 ng/ml
MDA	3.235	120404	3986.6	25.8	977.0	413877	9.835 ng/ml
MDMA	3.328	101836	∞	99.3	10242.2	116334	9.802 ng/ml
Methadone	5.676	126328	4077.3	59.7	15534.5	687613	9.000 ng/ml
Methamphetamine	3.257	140814	1606.6	254.2	∞	919575	9.418 ng/ml
Metoprolol	4.360	30850	35671.4	96.6	∞	2822593	9.500 ng/ml
Mirtazapine	4.696	191644	53114.5	48.6	6374.7	687613	9.872 ng/ml
Mitragynine	5.273	29321	6165.6	30.6	7177.4	155661	12.237 ng/ml
Morphine	1.251	8636	∞	16.7	∞	10707	9.374 ng/ml
Norbuprenorphine	5.024	117	457.4	123.7 High	63.0	7796	0.791 ng/ml ocr
Nordiazepam	5.912	4776	∞	60.5	∞	18388	9.471 ng/ml
Norfentanyl	4.119	7293	412.8	35.2	∞	933680	0.926 ng/ml
Norhydrocodone	3.101	946	∞	527.1 High	∞	117038	22.002 ng/ml ocr
Noroxycodone	2.951	31271	755.5	42.8	84503.1	116192	9.276 ng/ml
O-desmethyl-tramadol	3.409	242601	38807.4	6.0	2173.3	1243098	9.378 ng/ml
Oxazepam	5.776	1808	355.2	73.0	3.9 Low	6991	11.480 ng/ml ocr
Oxycodone	2.889	85974	85772.9	28.1	863.1	350815	9.737 ng/ml
Oxymorphone	1.419	50282	∞	44.1	∞	210501	9.257 ng/ml
Promethazine	5.568	74484	18888.8	38.8	1048.5	387662	9.891 ng/ml
Pseudoephedrine	2.621	575257	∞	25.0	5131.5	2822593	9.345 ng/ml
Quetiapine	5.575	138567	∞	60.0	∞	198457	9.717 ng/ml
Sertraline	5.791	12464	∞	96.6	∞	55746	8.862 ng/ml
Temazepam	5.838	18572	1217.8	32.1	105.6	87306	10.019 ng/ml
Tramadol	4.277	239087	81225.8	3.6	258.1	1128950	9.696 ng/ml
Trazodone	5.231	87286	2379.8	78.7	2420.5	424251	9.693 ng/ml
Venlafaxine	5.073	165668	15648.4	40.1	8086.2	1137740	9.347 ng/ml
Zolpidem	5.005	220207	42439.9	31.2	∞	1035488	9.274 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 1:09:37 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	50402	6136.4	139.2	326794.3	56387	24.909 ng/ml
7-aminoclonazepam	4.313	237127	12513.2	75.7	9653.9	39714	233.434 ng/ml
a-hydroxyalprazolam	5.717	33234	1199.8	59.4	∞	6697	257.010 ng/ml
alpha-PHP	4.966	2202504	106693.3	39.6	140825.4	604785	254.360 ng/ml
alpha-PVP	4.403	3046210	123185.4	53.3	676231.3	532147	238.225 ng/ml
Alprazolam	5.791	856396	∞	85.7	6093.3	125594	243.358 ng/ml
Amphetamine	3.093	3863513	40662.7	44.0	32088.6	349164	216.328 ng/ml
Benzoylcegonine	3.921	53592	∞	15.7	∞	8111	240.704 ng/ml
Buprenorphine	5.757	30338	∞	17.2	11827.0	48863	23.510 ng/ml
Bupropion	4.826	3112119	129684.8	66.6	132059.9	604785	241.198 ng/ml
Carisoprodol	5.746	592520	∞	56.9	∞	94071	238.960 ng/ml
Citalopram	5.253	1787229	55235.8	41.3	81383.0	326386	250.251 ng/ml
Clonazepam	5.639	96523	2735.6	31.2	85554.3	6697	259.831 ng/ml
Clonazepam	5.586	196071	872315.6	39.4	54699.0	125594	246.054 ng/ml
Cocaine	4.296	2237705	166276.8	46.1	∞	772521	248.436 ng/ml
Codeine	2.654	284871	∞	90.0	58136.2	52735	247.899 ng/ml
Cyclobenzaprine	5.647	1536265	146338.1	10.0	79703.6	223075	240.669 ng/ml
Dextromethorphan	5.297	1279160	192338.7	74.7	2787995.9	250606	237.000 ng/ml
Dextrophan	4.154	2213448	232255.9	45.1	∞	495948	241.961 ng/ml
Diazepam	5.963	567754	6975.6	86.9	11529.4	110254	240.195 ng/ml
Dihydrocodeine	2.597	796757	4219.3	58.6	1236.5	222175	239.986 ng/ml
Diphenhydramine	5.323	6107914	∞	30.0	60484.7	1227727	229.647 ng/ml
Doxylamine	4.581	7540278	∞	81.8	529094.3	1211653	244.779 ng/ml
EDDP	5.286	3405868	1327122.9	43.2	∞	691554	237.231 ng/ml
Etizolam	5.831	442448	∞	23.9	∞	110254	264.710 ng/ml
Fentanyl	5.139	162121	∞	136.0	377991.2	323575	23.290 ng/ml
Flualprazolam	5.727	356836	8145.6	98.0	67685.4	125594	247.811 ng/ml
Fluoxetine	5.728	949838	274214.6	7.6	73401.1	154752	240.978 ng/ml
Hydrocodone	3.074	984494	∞	35.9	∞	477540	251.580 ng/ml
Hydromorphone	1.643	824683	5276.9	71.0	2347.0	9311	223.664 ng/ml
Ketamine	4.109	2032462	∞	38.7	42846.3	445670	258.144 ng/ml
Lamotrigine	4.329	169850	86311.9	85.9	∞	297810	258.172 ng/ml
Levetiracetam	2.697	994599	30395.4	222.4	41387.6	349164	266.679 ng/ml

AM #28 Multi-Drug Quant. Results

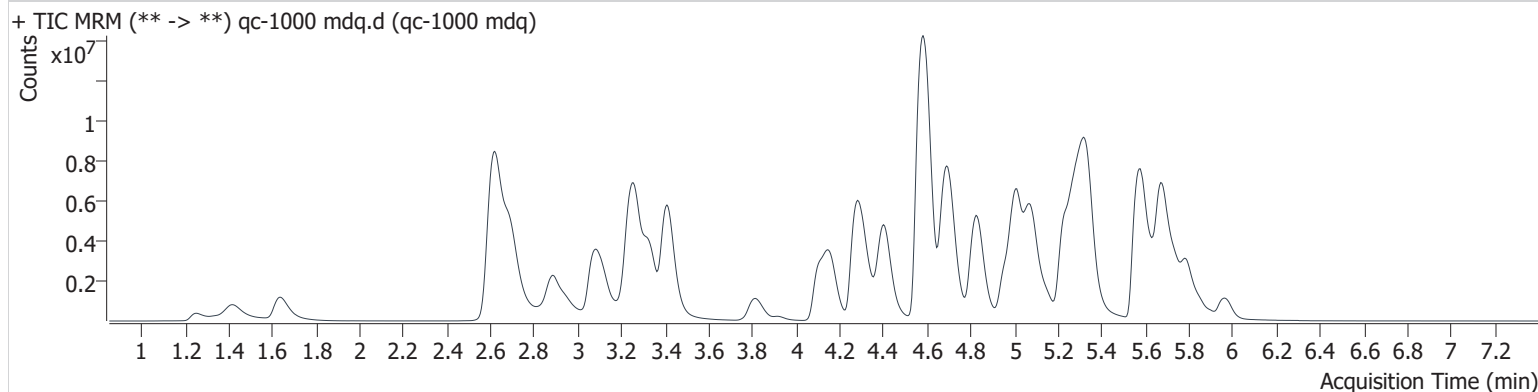
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	26255	∞	47.2	∞	6005	217.632 ng/ml
MDA	3.230	1988977	220594.8	25.6	7114.0	297810	247.516 ng/ml
MDMA	3.328	2105784	86860.5	98.0	646044.7	95297	244.677 ng/ml
Methadone	5.676	3187456	103287.3	52.7	20648.3	658964	243.979 ng/ml
Methamphetamine	3.257	1922171	∞	247.4	∞	848376	249.213 ng/ml
Metoprolol	4.360	545502	2201376.6	96.6	∞	2180979	246.357 ng/ml
Mirtazapine	4.691	4563597	941684.2	47.4	525548.1	658964	241.389 ng/ml
Mitragynine	5.268	621814	6978.6	32.5	10957.9	154752	248.027 ng/ml
Morphine	1.256	177756	∞	16.1	26276.5	9311	251.917 ng/ml
Norbuprenorphine	5.034	2589	256808.8	101.9	20099.4	6332	21.729 ng/ml
Nordiazepam	5.912	102492	∞	63.8	∞	16704	228.074 ng/ml
Norfentanyl	4.114	137526	7620.5	35.0	∞	757080	24.864 ng/ml
Norhydrocodone	3.106	29605	∞	380.5	∞	95559	223.291 ng/ml
Noroxycodone	2.951	621989	∞	44.7	1496473.2	92959	253.095 ng/ml
O-desmethyl-tramadol	3.409	5419738	384511.2	6.1	121657.8	1119688	236.427 ng/ml
Oxazepam	5.776	35331	3461.5	68.6	1337.9	6005	217.870 ng/ml
Oxycodone	2.884	1874697	∞	28.6	21873.7	321441	247.843 ng/ml
Oxymorphone	1.419	992931	∞	43.6	∞	170098	254.641 ng/ml
Promethazine	5.568	2112236	2479609.6	38.6	∞	445302	238.056 ng/ml
Pseudoephedrine	2.621	11351428	∞	24.3	34331.9	2180979	238.840 ng/ml
Quetiapine	5.575	2967616	3755791.4	59.7	∞	179121	247.185 ng/ml
Sertraline	5.791	274968	796225.4	95.7	∞	49238	236.512 ng/ml
Temazepam	5.838	339688	7708.5	30.8	2730.2	63735	256.071 ng/ml
Tramadol	4.278	5011228	900026.3	3.5	10324.2	1020798	239.740 ng/ml
Trazodone	5.226	2106139	∞	76.8	509476.5	456675	240.489 ng/ml
Venlafaxine	5.073	3784094	181997.6	39.2	49389.8	967195	243.769 ng/ml
Zolpidem	5.009	4747883	308877.2	30.7	304889.3	869644	231.063 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 1:18:40 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.181	179429	539959.3	138.9	126781.2	48485	103.591	ng/ml
7-aminoclonazepam	4.318	913145	234981.6	79.0	17929.7	34486	1036.167	ng/ml
a-hydroxyalprazolam	5.722	92916	1076.1	57.9	797.7	5031	959.824	ng/ml
alpha-PHP	4.961	7372651	194273.6	38.9	923879.0	614761	839.954	ng/ml
alpha-PVP	4.408	11944396	4416219.6	52.1	589257.7	491616	1010.935	ng/ml
Alprazolam	5.791	2614812	378.9	89.3	5876.7	95271	979.681	ng/ml
Amphetamine	3.093	9630698	∞	45.1	136660.5	342884	551.272	ng/ml ocr
Benzoylcegonine	3.921	309550	512800.9	16.0	183022.3	11333	997.149	ng/ml
Buprenorphine	5.757	72461	80914.8	14.8	15319.3	26200	105.084	ng/ml
Bupropion	4.826	13476493	∞	63.7	337916.9	614761	1025.792	ng/ml
Carisoprodol	5.751	1110017	1123304.1	56.0	25554.7	44265	952.301	ng/ml
Citalopram	5.243	4436749	337511.2	42.9	2016465.4	210143	966.013	ng/ml
Clonazepam	5.634	249530	∞	32.5	∞	5031	895.854	ng/ml
Clonazepam	5.596	370357	∞	39.5	2763.8	95271	612.375	ng/ml
Cocaine	4.296	7118111	∞	44.9	2215962.5	594253	1028.808	ng/ml
Codeine	2.654	822274	42216.1	91.5	94971.3	35439	1066.151	ng/ml
Cyclobenzaprine	5.636	7102526	1700098.8	9.6	82249.3	252050	986.114	ng/ml
Dextromethorphan	5.302	3741075	68324.4	73.1	∞	174475	997.200	ng/ml
Dextropran	4.157	7836056	489278.2	44.2	601602.7	416048	1021.686	ng/ml
Diazepam	5.968	2297768	34744.3	85.9	5732019805	107162	1000.768	ng/ml
					0147.6			
Dihydrocodeine	2.587	2597007	21322.8	59.9	3549.6	247677	704.519	ng/ml ocr
Diphenhydramine	5.334	19017723	113684065.2	29.5	151507.2	885917	988.867	ng/ml
Doxylamine	4.582	35196690	1142739.2	88.7	438890.3	1505998	919.631	ng/ml
EDDP	5.286	13951239	333970.4	42.2	∞	663507	1013.104	ng/ml
Etizolam	5.836	1556601	67829.9	24.6	∞	107162	960.088	ng/ml
Fentanyl	5.144	1150703	∞	136.2	1672378.5	521021	102.429	ng/ml
Flualprazolam	5.727	960092	∞	95.3	∞	95271	880.166	ng/ml
Fluoxetine	5.733	4998863	∞	7.5	557765.6	195599	1005.462	ng/ml
Hydrocodone	3.069	3934149	2464.7	37.5	4712.7	506327	950.878	ng/ml
Hydromorphone	1.638	3605099	1829.0	72.1	2966.4	8940	1018.497	ng/ml
Ketamine	4.109	6697823	∞	38.4	60252.2	409647	930.356	ng/ml
Lamotrigine	4.335	323660	197575.5	87.5	1090425.8	193146	759.792	ng/ml



AM #28 Multi-Drug Quant. Results

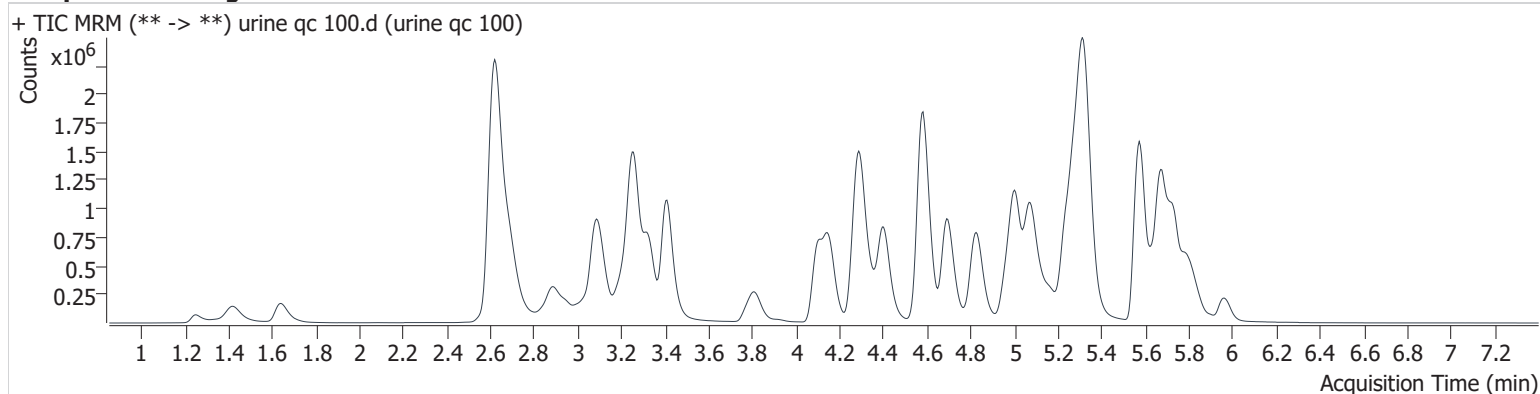
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.697	3699451	912005.2	220.9	884706.5	342884	1011.194 ng/ml
Lorazepam	5.764	103921	∞	49.4	∞	5455	957.957 ng/ml
MDA	3.220	4353253	136134.0	26.0	26166.6	193146	837.648 ng/ml
MDMA	3.328	7005082	∞	95.7	1379216.8	73755	1051.295 ng/ml
Methadone	5.676	14774627	294919.7	48.5	1313483.3	680325	1096.362 ng/ml
Methamphetamine	3.257	5923123	∞	258.7	∞	936781	709.732 ng/ml ocr
Metoprolol	4.360	1272973	107606.1	96.2	∞	1548666	812.645 ng/ml
Mirtazapine	4.696	23042611	757124.9	46.5	450676.8	680325	1179.916 ng/ml
Mitragynine	5.257	1936379	∞	35.3	12425.7	195599	610.144 ng/ml
Morphine	1.251	675995	∞	16.0	∞	8940	1001.726 ng/ml
Norbuprenorphine	5.029	7789	211517.3	102.5	∞	4517	91.669 ng/ml
Nordiazepam	5.912	471777	∞	64.5	∞	17949	977.681 ng/ml
Norfentanyl	4.109	357657	44095.3	34.9	∞	644741	76.235 ng/ml
Norhydrocodone	3.111	103518	∞	337.6	∞	72601	967.836 ng/ml
Noroxycodone	2.951	2180574	∞	44.6	∞	82140	1006.970 ng/ml
O-desmethyl-tramadol	3.409	21335768	∞	5.9	439270.5	1060333	983.347 ng/ml
Oxazepam	5.771	146159	33935.2	70.6	77034.0	5455	985.104 ng/ml
Oxycodone	2.884	8714701	∞	28.2	39829.9	373321	994.136 ng/ml
Oxymorphone	1.414	3873785	∞	43.5	∞	170499	994.622 ng/ml
Promethazine	5.568	12431909	∞	35.4	615574.0	594476	1048.645 ng/ml
Pseudoephedrine	2.621	33963998	∞	23.7	∞	1548666	1006.421 ng/ml
Quetiapine	5.586	9705603	∞	60.5	∞	172612	840.657 ng/ml
Sertraline	5.791	1877113	3226674.4	95.2	5763714.4	83040	959.276 ng/ml
Temazepam	5.843	965063	43040.9	31.2	15724.8	43576	1064.722 ng/ml
Tramadol	4.272	16028344	280736.9	3.3	26001.8	818956	957.812 ng/ml
Trazodone	5.224	7761887	673171.6	78.6	206813.0	672878	603.141 ng/ml ocr
Venlafaxine	5.078	14932310	715665.6	37.9	388564.7	826677	1124.404 ng/ml
Zolpidem	5.012	18683240	1196862.7	29.5	472031.9	793745	995.252 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 AM

Instrument	69679	Data File	urine qc 100.d
Type	QC	Sample	urine qc 100
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E2	Comment	
Injection Volume	3		
Acq. Date-Time	4/15/2021 1:27:43 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	23362	∞	141.4	∞	61611	10.482 ng/ml
7-aminoclonazepam	4.313	220474	5861.3	73.1	6542.1	81308	105.855 ng/ml
a-hydroxyalprazolam	5.722	18655	2404.4	54.1	∞	7864	122.243 ng/ml
alpha-PHP	4.971	1103877	16708.3	39.7	79425.0	702389	109.192 ng/ml
alpha-PVP	4.408	1494021	97994.9	53.2	45857.5	604470	102.889 ng/ml
Alprazolam	5.791	416304	5410.0	85.7	∞	137855	107.749 ng/ml
Amphetamine	3.093	2109690	∞	44.1	18935.5	395983	103.436 ng/ml
Benzoylcegonine	3.921	26070	40448.7	16.6	47223.3	9376	100.891 ng/ml
Buprenorphine	5.757	16646	∞	17.4	∞	62237	10.068 ng/ml
Bupropion	4.831	1555143	144261.6	67.1	27199.1	702389	104.081 ng/ml
Carisoprodol	5.746	300773	∞	56.2	13478.9	109333	104.193 ng/ml
Citalopram	5.253	1022444	29520.7	41.9	23893.9	440178	105.928 ng/ml
Clonazepam	5.639	45782	5708.5	30.8	∞	7864	104.557 ng/ml
Clonazepam	5.586	56084	∞	40.8	∞	137855	64.279 ng/ml
Cocaine	4.296	1095615	58853.9	46.8	72129.2	885703	105.826 ng/ml
Codeine	2.654	152597	13790.7	88.7	7538.9	64535	108.274 ng/ml
Cyclobenzaprine	5.647	1236940	9270.8	10.4	1767.1	407026	105.956 ng/ml
Dextromethorphan	5.302	834942	20197.1	74.4	14828.6	363423	106.397 ng/ml
Dextrophan	4.154	1111162	33228.2	45.1	31001.8	572230	105.170 ng/ml
Diazepam	5.963	322693	8932.7	86.5	4704.8	144587	103.990 ng/ml
Dihydrocodeine	2.602	417659	2266.9	57.6	733.5	247894	111.967 ng/ml
Diphenhydramine	5.329	3498326	50074.2	30.3	168206.2	1646611	98.424 ng/ml
Doxylamine	4.582	3457378	38145.5	82.0	30659.8	1308495	103.854 ng/ml
EDDP	5.291	1716474	405443.2	43.2	6024585.9	817583	101.082 ng/ml
Etizolam	5.831	214622	∞	24.0	71545.1	144587	97.450 ng/ml
Fentanyl	5.144	115886	8227.9	138.9	∞	538843	10.036 ng/ml
Flualprazolam	5.727	201691	9984.1	98.0	3906.7	137855	127.379 ng/ml
Fluoxetine	5.728	1269425	61956.5	7.6	744744.9	465814	106.629 ng/ml
Hydrocodone	3.074	466521	∞	36.0	∞	528718	107.120 ng/ml
Hydromorphone	1.638	403991	1573.3	73.3	1874.4	11900	85.696 ng/ml
Ketamine	4.109	990387	162004.6	39.8	16633.8	496272	111.908 ng/ml
Lamotrigine	4.335	94421	13083.3	86.5	79568.1	349428	121.983 ng/ml
Levetiracetam	2.697	496770	28192.8	222.6	16777.3	395983	117.227 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	14340	∞	49.7	∞	6548	107.566 ng/ml
MDA	3.235	1049880	18303.6	26.4	2764.9	349428	110.806 ng/ml
MDMA	3.328	1069765	25780.4	96.3	16690.6	111066	106.716 ng/ml
Methadone	5.676	1884955	37321.1	52.4	26911.8	909635	104.363 ng/ml
Methamphetamine	3.262	1026967	∞	248.8	∞	922517	118.397 ng/ml
Metoprolol	4.360	302549	18367.4	95.2	∞	2668835	110.936 ng/ml
Mirtazapine	4.691	2344809	34035.2	47.4	30674.1	909635	89.952 ng/ml
Mitragynine	5.273	453221	23638.6	32.5	4899.1	465814	60.543 ng/ml
Morphine	1.251	91690	∞	18.4	∞	11900	100.875 ng/ml
Norbuprenorphine	5.034	1935	12648.1	81.5	6072.1	9207	11.163 ng/ml
Nordiazepam	5.912	55459	15052.3	62.8	75275.9	19877	103.611 ng/ml
Norfentanyl	4.114	71255	2184.0	35.0	5345.9	871603	11.107 ng/ml
Norhydrocodone	3.101	13531	∞	412.3	126.9	112505	96.842 ng/ml
Noroxycodone	2.951	337303	∞	44.8	2385.2	115430	110.003 ng/ml
O-desmethyl-tramadol	3.409	2467055	86070.2	6.2	5747.6	1181782	101.875 ng/ml
Oxazepam	5.776	19722	421.3	62.7	249.6	6548	112.504 ng/ml
Oxycodone	2.884	906475	∞	28.7	∞	349014	109.980 ng/ml
Oxymorphone	1.419	469114	∞	43.7	∞	182794	111.271 ng/ml
Promethazine	5.568	1669033	59716.6	39.5	22005.1	801466	104.658 ng/ml
Pseudoephedrine	2.626	5983948	∞	24.6	∞	2668835	102.886 ng/ml
Quetiapine	5.575	1598446	94308.1	61.2	∞	219199	108.388 ng/ml
Sertraline	5.791	341106	13907.3	95.5	820870.8	143535	100.283 ng/ml
Temazepam	5.838	197056	228530.4	32.3	481.8	86753	109.015 ng/ml
Tramadol	4.277	2505369	64358.9	3.4	1845.8	1128429	108.056 ng/ml
Trazodone	5.231	1345289	103639.7	77.1	124249.9	642125	108.655 ng/ml
Venlafaxine	5.073	1874344	60743.3	39.2	13627.6	1123096	104.147 ng/ml
Zolpidem	5.010	2394684	38862.8	30.1	16905.7	1011849	100.324 ng/ml

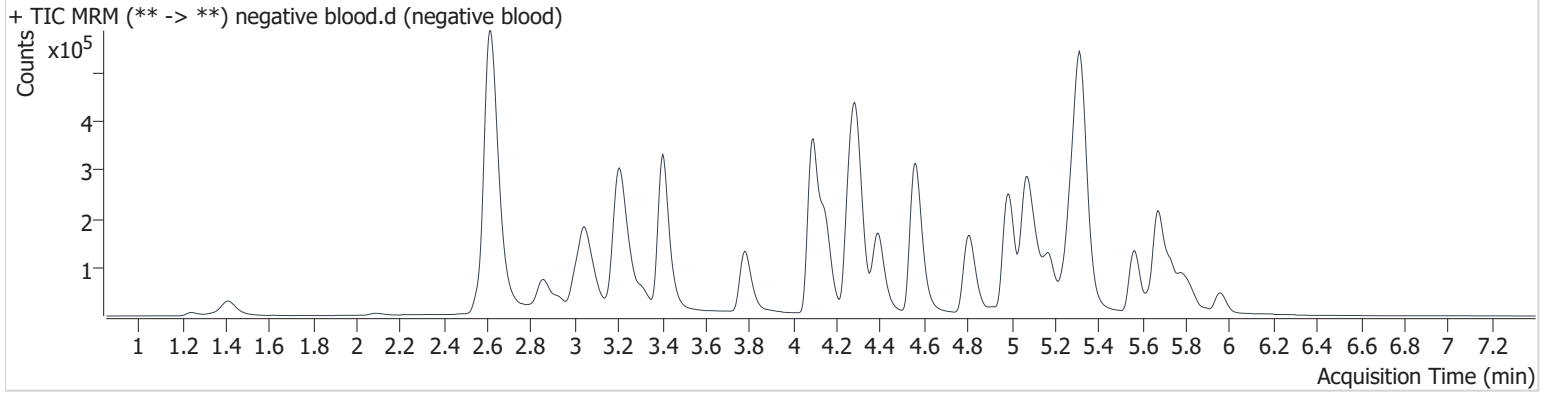
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AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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-C4	Comment	
Injection Volume	3		
Acq. Date-Time	4/15/2021 1:36:44 PM		
Sample Info.			

Sample Chromatogram



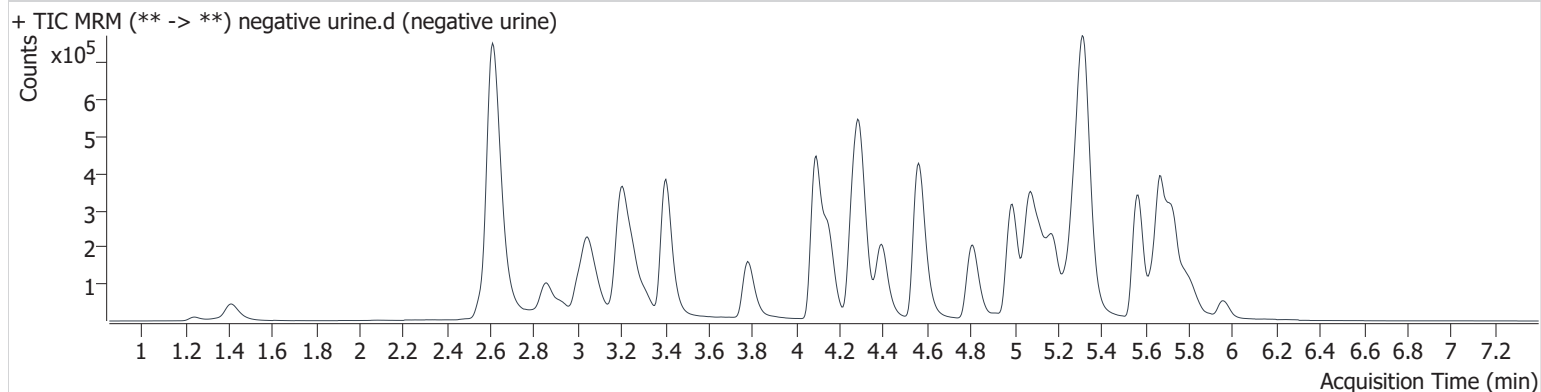
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AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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-G3	Comment	
Injection Volume	3		
Acq. Date-Time	4/15/2021 3:16:01 PM		
Sample Info.			

Sample Chromatogram



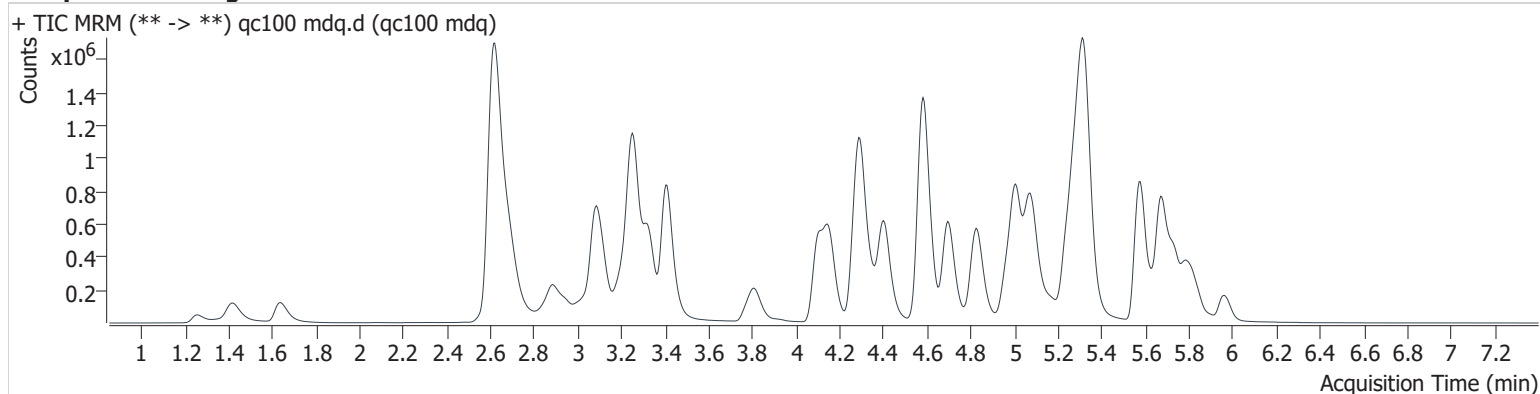
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 4:45:55 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	18978	70542.9	134.7	30415.8	48582	10.803 ng/ml
7-aminoclonazepam	4.313	114508	990.0	70.9	3623.2	43141	103.612 ng/ml
a-hydroxyalprazolam	5.722	15296	∞	55.0	61544.3	6670	118.141 ng/ml
alpha-PHP	4.971	825825	54968.3	40.0	∞	512609	111.956 ng/ml
alpha-PVP	4.408	1118606	667855.6	51.7	1578511.4	447881	103.968 ng/ml
Alprazolam	5.791	380986	2679.4	88.0	2750.7	130998	103.768 ng/ml
Amphetamine	3.093	1671012	12733.9	43.8	∞	307599	105.496 ng/ml
Benzoylcegonine	3.921	17734	∞	16.2	17091.6	6052	106.363 ng/ml
Buprenorphine	5.767	12389	14931.6	16.4	6441.6	43730	10.671 ng/ml
Bupropion	4.831	1107916	202007.6	67.9	∞	512609	101.613 ng/ml
Carisoprodol	5.746	276509	655611.0	56.2	40061.4	98326	106.517 ng/ml
Citalopram	5.253	706491	7571.5	42.2	308203.0	307447	104.789 ng/ml
Clonazepam	5.639	41950	56513.5	29.4	15346.6	6670	113.013 ng/ml
Clonazolam	5.586	87127	4048.9	37.4	∞	130998	104.948 ng/ml
Cocaine	4.296	854752	21952638.5	46.0	745900.6	682178	107.199 ng/ml
Codeine	2.649	120678	∞	88.5	11274.4	52958	104.330 ng/ml
Cyclobenzaprine	5.647	466386	1549052.7	10.0	121072.0	153571	105.885 ng/ml
Dextromethorphan	5.302	519899	852413.4	73.7	124568.5	221275	108.823 ng/ml
Dextrorphan	4.154	821188	642321.7	45.6	564019.5	428457	103.804 ng/ml
Diazepam	5.963	250238	5793.2	87.1	9813.5	111900	104.198 ng/ml
Dihydrocodeine	2.597	321466	12687.0	57.2	2994.7	187158	114.175 ng/ml
Diphenhydramine	5.329	2396938	96965.2	30.3	44039.0	1112296	99.823 ng/ml
Doxylamine	4.587	2586093	20851074.1	80.4	181419.3	981793	103.531 ng/ml
EDDP	5.291	1262611	∞	44.2	8139413.2	582533	104.358 ng/ml
Etizolam	5.831	187172	∞	23.6	∞	111900	109.906 ng/ml
Fentanyl	5.144	51543	10054.6	135.4	222671.0	240561	9.999 ng/ml
Flualprazolam	5.727	161596	35862.3	100.4	25546.7	130998	107.325 ng/ml
Fluoxetine	5.728	286346	∞	7.5	181609.7	110221	101.619 ng/ml
Hydrocodone	3.074	344975	∞	37.9	2347034871 32848.0	390069	107.369 ng/ml
Hydromorphone	1.638	302507	2062.1	71.3	5644.8	7977	95.734 ng/ml
Ketamine	4.114	762212	∞	39.1	6528.0	384427	111.170 ng/ml
Lamotrigine	4.335	70768	26501.3	86.6	206080.6	292268	109.240 ng/ml

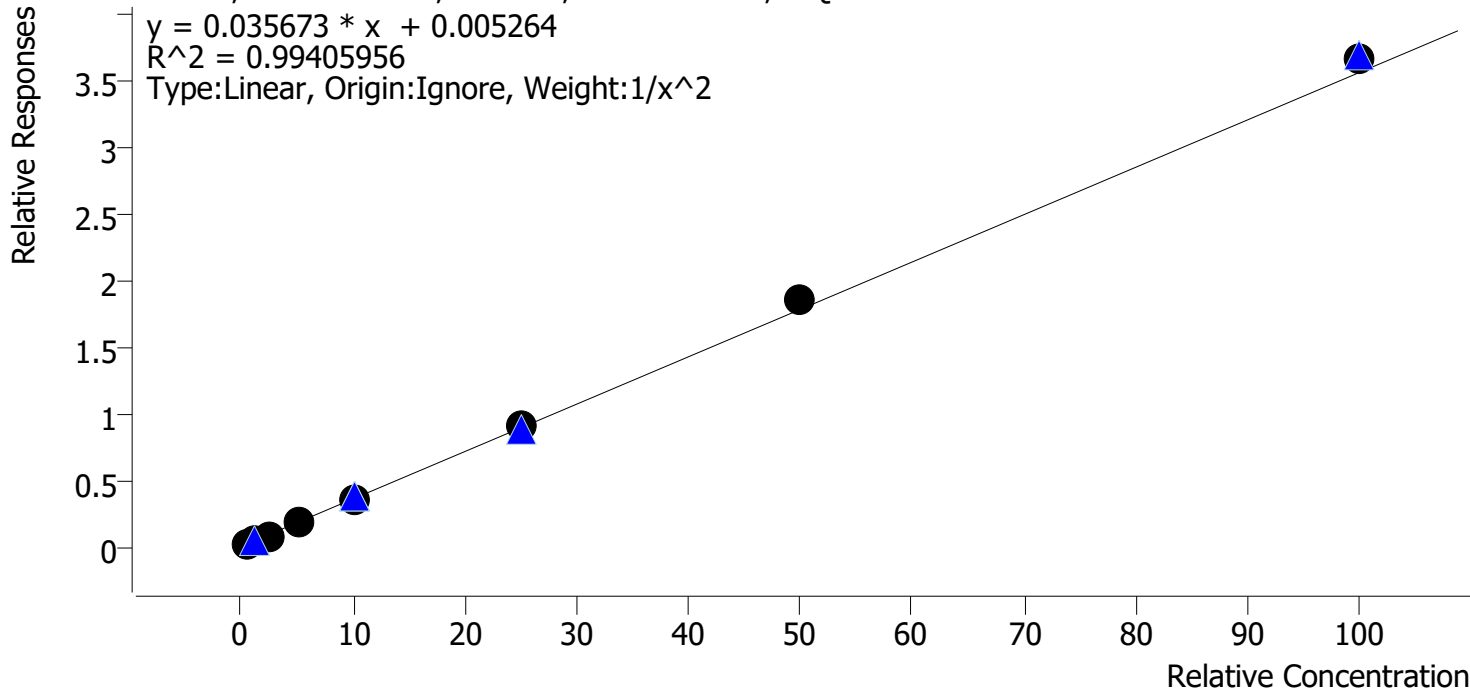
AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.692	362157	5761.3	224.6	105744.8	307599	109.992 ng/ml
Lorazepam	5.769	10995	∞	47.3	359.9	4915	109.940 ng/ml
MDA	3.235	887309	51472.0	25.2	3114.7	292268	111.974 ng/ml
MDMA	3.328	808894	∞	98.6	21028.8	84390	106.200 ng/ml
Methadone	5.681	1158874	65921.4	53.3	26581.5	561058	104.024 ng/ml
Methamphetamine	3.257	755942	∞	251.8	∞	689247	116.529 ng/ml
Metoprolol	4.360	233122	74161.5	95.2	∞	1989045	114.738 ng/ml
Mirtazapine	4.696	1563736	3951523.7	48.1	∞	561058	97.244 ng/ml
Mitragynine	5.273	235472	4700.2	31.6	29522.0	110221	132.171 ng/ml
Morphine	1.256	66718	∞	17.0	∞	7977	109.615 ng/ml
Norbuprenorphine	5.029	1194	1111.5	84.8	2696.3	5766	11.001 ng/ml
Nordiazepam	5.907	45326	∞	61.7	80935.4	16400	102.630 ng/ml
Norfentanyl	4.114	56318	12624.7	35.0	∞	678387	11.282 ng/ml
Norhydrocodone	3.101	10428	∞	386.0	∞	87145	96.440 ng/ml
Noroxycodone	2.951	240846	14400.9	44.2	∞	84161	107.710 ng/ml
O-desmethyl-tramadol	3.409	1936312	1834537.9	6.1	36468.1	926268	102.015 ng/ml
Oxazepam	5.776	14293	1045.9	69.8	764.0	4915	108.694 ng/ml
Oxycodone	2.884	663536	∞	28.8	∞	260311	107.925 ng/ml
Oxymorphone	1.419	370948	∞	44.0	∞	144767	111.097 ng/ml
Promethazine	5.568	616638	3362093.5	39.1	26655.7	308609	100.430 ng/ml
Pseudoephedrine	2.621	4438796	∞	24.5	∞	1989045	102.402 ng/ml
Quetiapine	5.575	1128637	∞	60.2	∞	151540	110.716 ng/ml
Sertraline	5.791	81210	157660.4	96.0	73366.4	33906	101.076 ng/ml
Temazepam	5.838	146389	10603.2	31.7	558.7	64834	108.363 ng/ml
Tramadol	4.282	1899026	∞	3.4	2247.3	850024	108.735 ng/ml
Trazodone	5.237	738052	∞	77.7	1279195.3	341981	111.961 ng/ml
Venlafaxine	5.078	1362872	∞	39.4	13135.4	836578	101.670 ng/ml
Zolpidem	5.015	1757994	621374.8	31.2	743450.6	756553	98.508 ng/ml

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



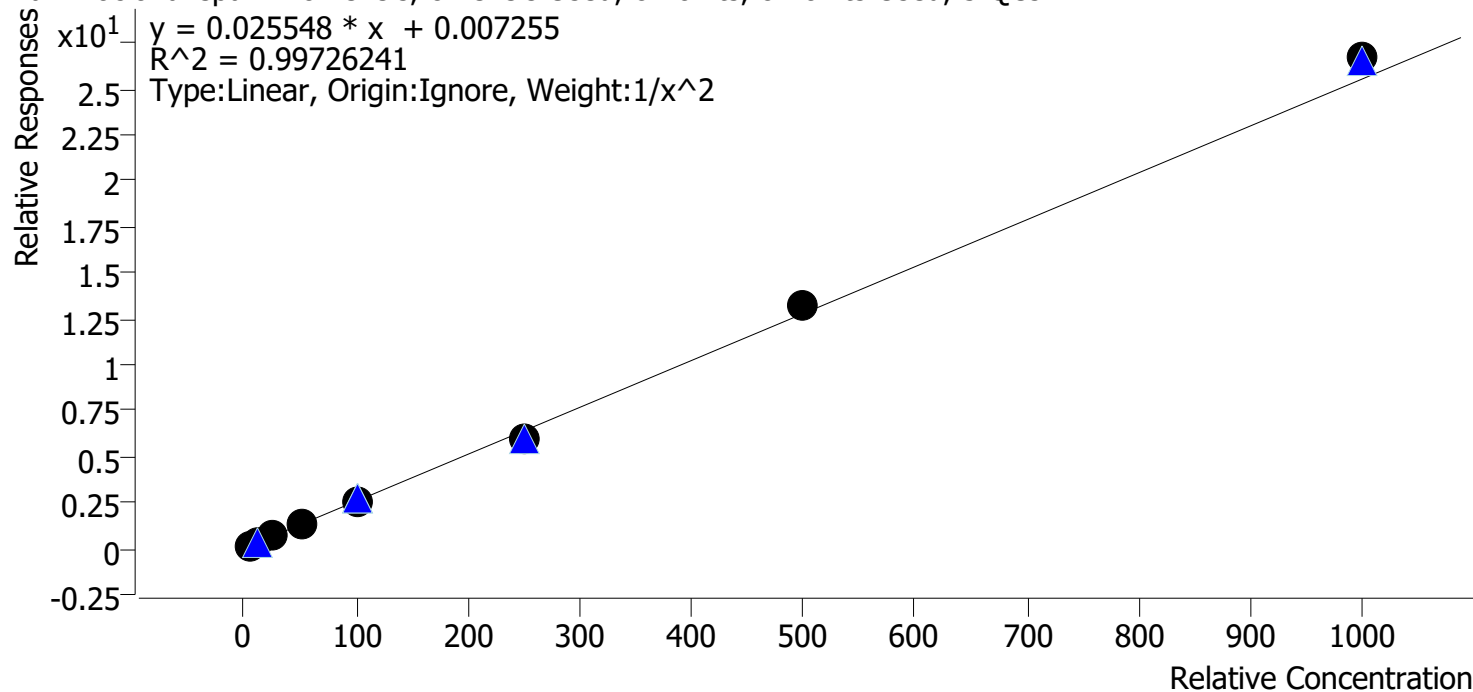
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	105.5
cal 2 mdq	2	✓	1.0	0.9	91.0
cal 3 mdq	3	✓	2.5	2.3	90.9
cal 4 mdq	4	✓	5.0	5.4	108.9
cal 5 mdq	5	✓	10.0	9.6	96.1
cal 6 mdq	6	✓	25.0	25.1	100.3
cal 7 mdq	7	✓	50.0	52.1	104.2
cal 8 mdq	8	✓	100.0	103.0	103.0

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

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

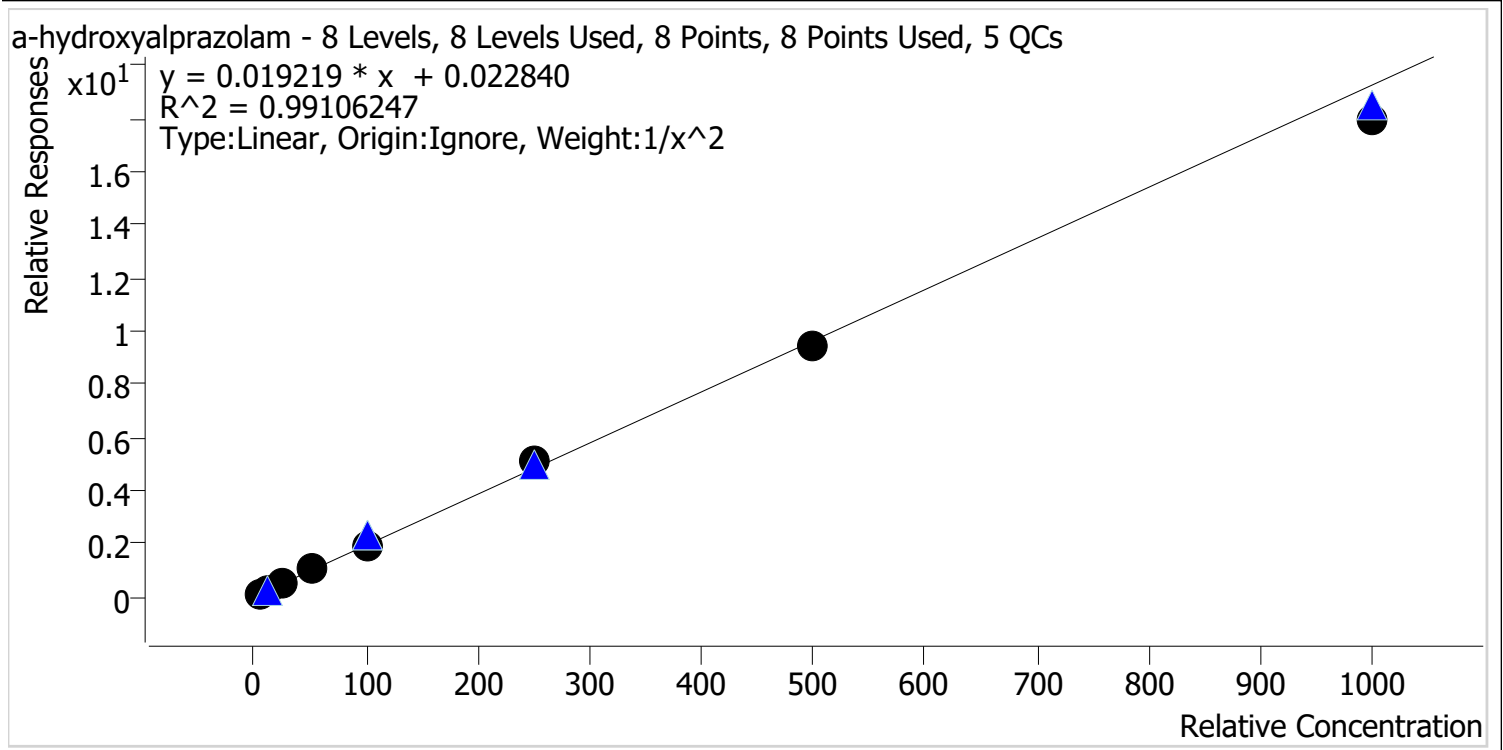


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	23.7	94.7
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	235.3	94.1
cal 7 mdq	7	✓	500.0	517.9	103.6
cal 8 mdq	8	✓	1000.0	1045.7	104.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.1
cal 2 mdq	2	✓	10.0	8.8	88.3
cal 3 mdq	3	✓	25.0	24.1	96.2
cal 4 mdq	4	✓	50.0	57.4	114.9
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	262.6	105.1
cal 7 mdq	7	✓	500.0	492.3	98.5
cal 8 mdq	8	✓	1000.0	931.6	93.2

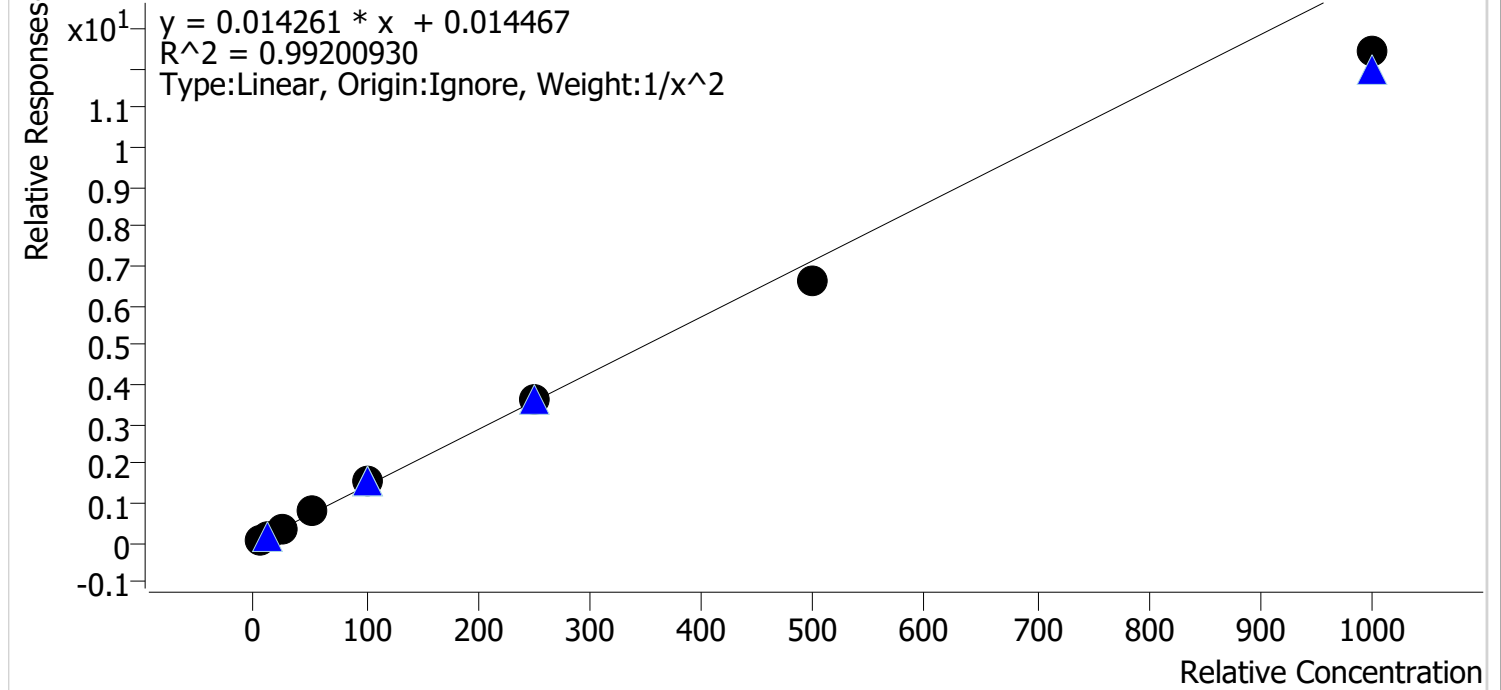
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte alpha-PHP

Internal Standard Bupropion-D9

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



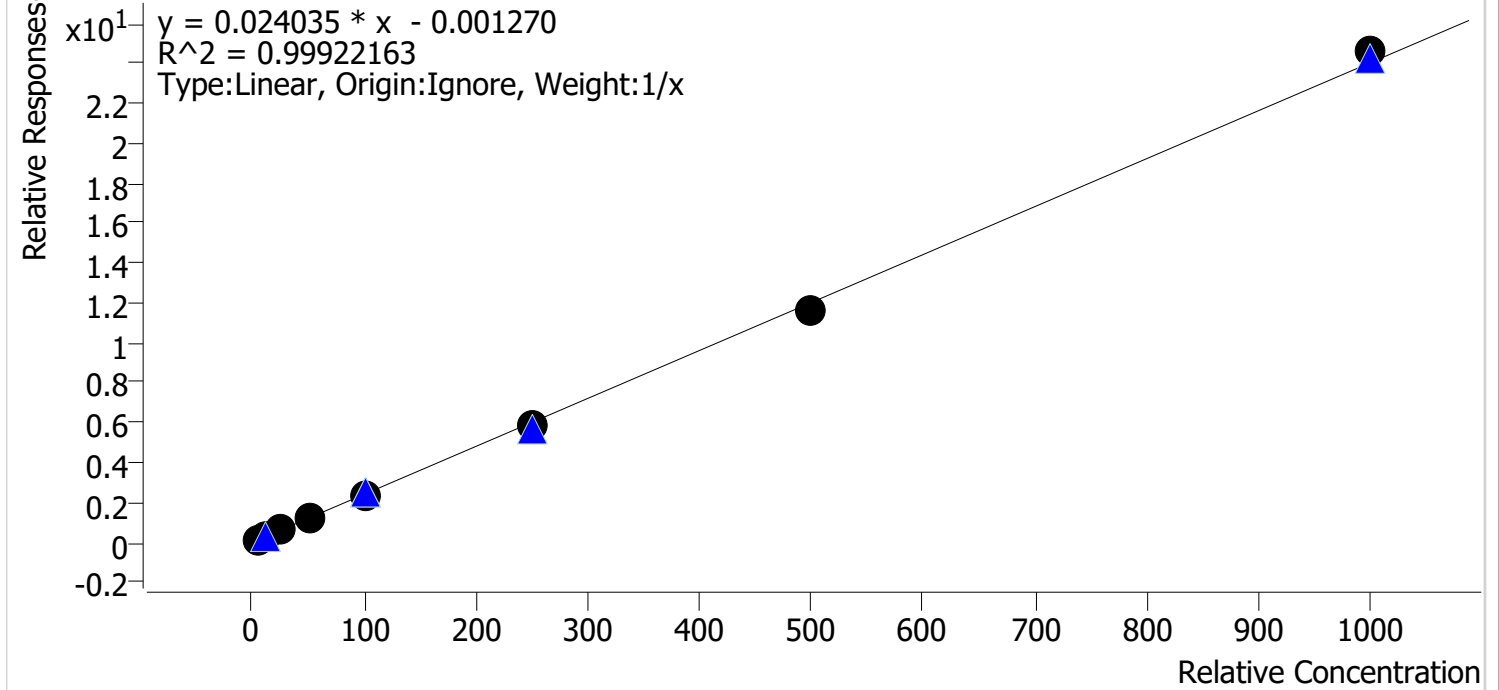
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	56.0	112.1
cal 5 mdq	5	✓	100.0	107.6	107.6
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	465.2	93.0
cal 8 mdq	8	✓	1000.0	870.1	87.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

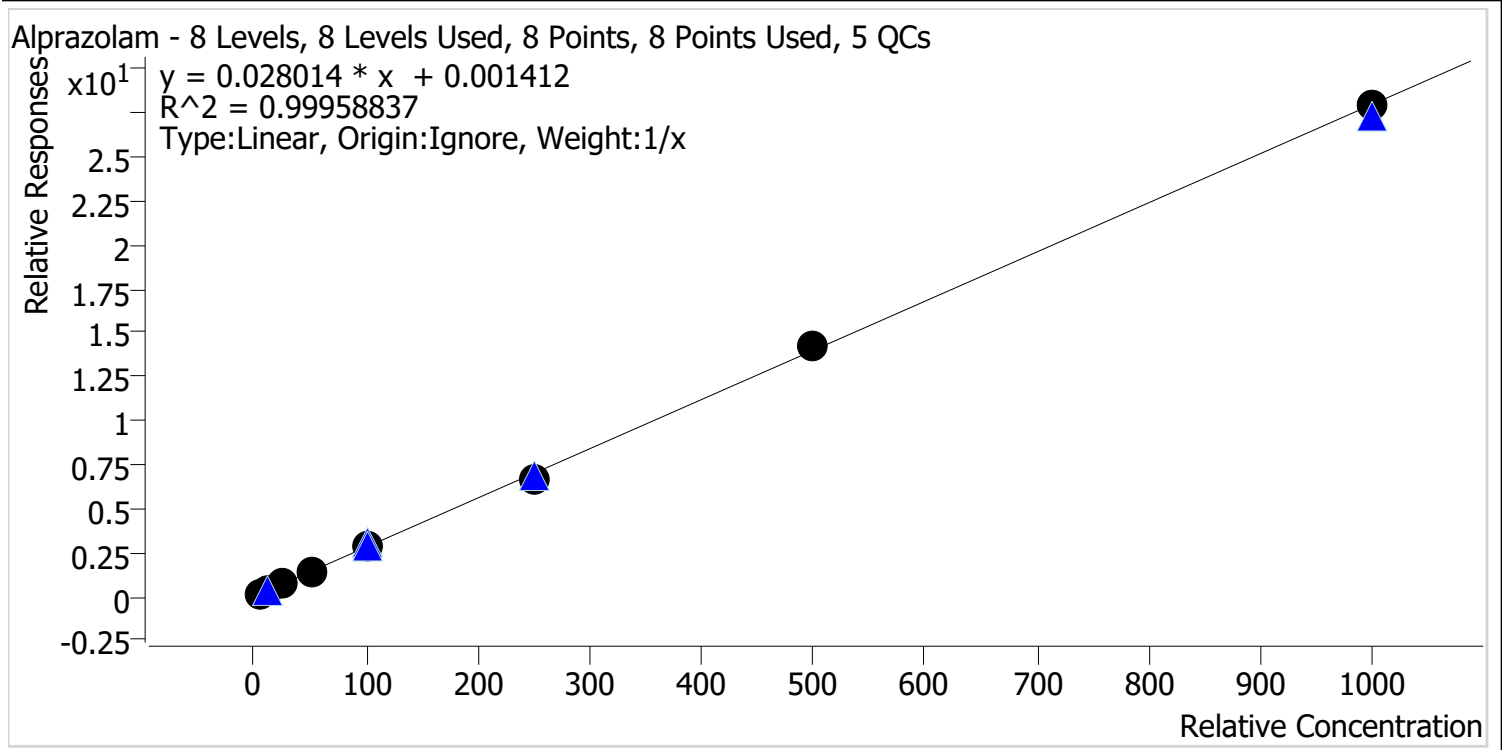


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.5
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	97.5	97.5
cal 6 mdq	6	✓	250.0	240.8	96.3
cal 7 mdq	7	✓	500.0	487.2	97.4
cal 8 mdq	8	✓	1000.0	1023.3	102.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

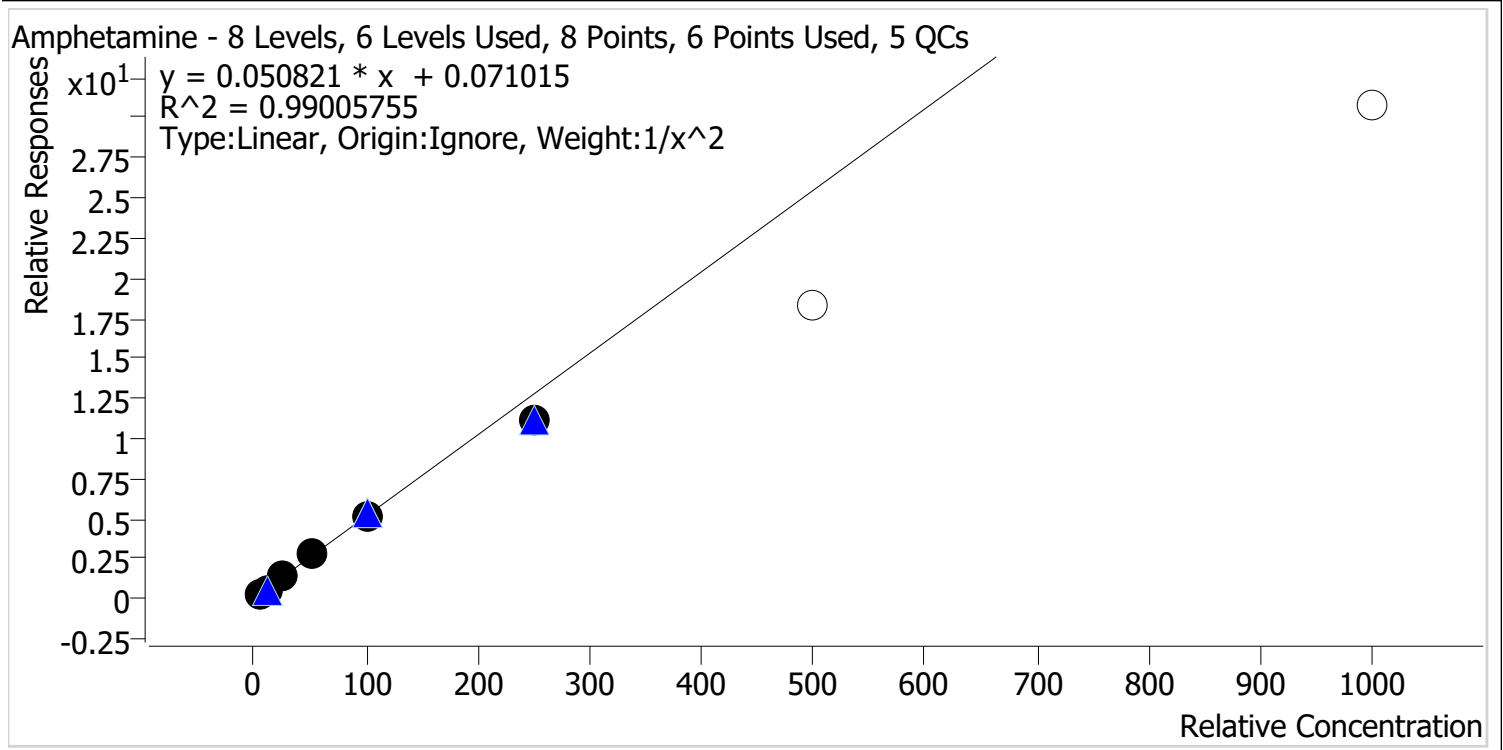


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	9.2	91.9
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	240.9	96.4
cal 7 mdq	7	✓	500.0	508.1	101.6
cal 8 mdq	8	✓	1000.0	997.6	99.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	56.0	111.9
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	216.5	86.6
cal 7 mdq	7	✗	500.0	358.0	71.6
cal 8 mdq	8	✗	1000.0	603.9	60.4

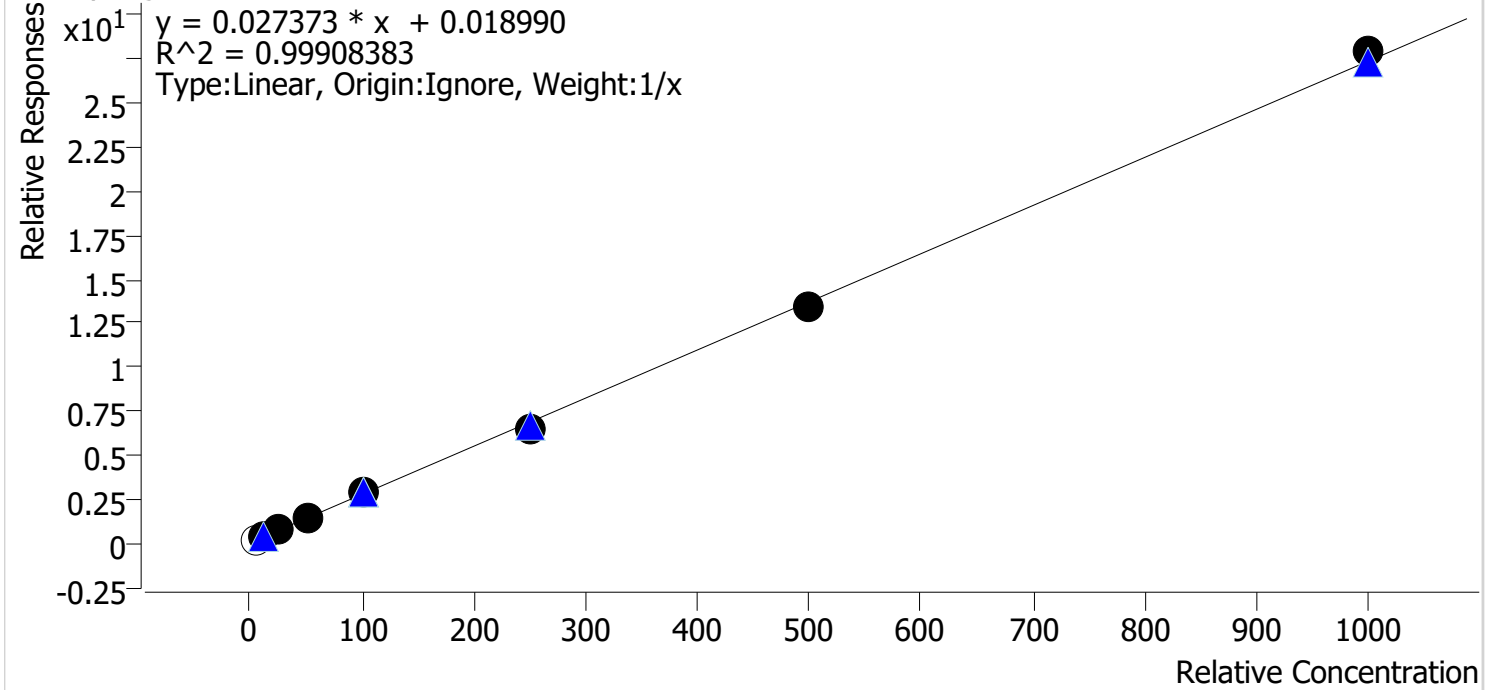
Cal 7 and 8 dropped outside accuracy requirement.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	5.6	111.6
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	53.0	105.9
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	237.8	95.1
cal 7 mdq	7	✓	500.0	487.6	97.5
cal 8 mdq	8	✓	1000.0	1020.0	102.0

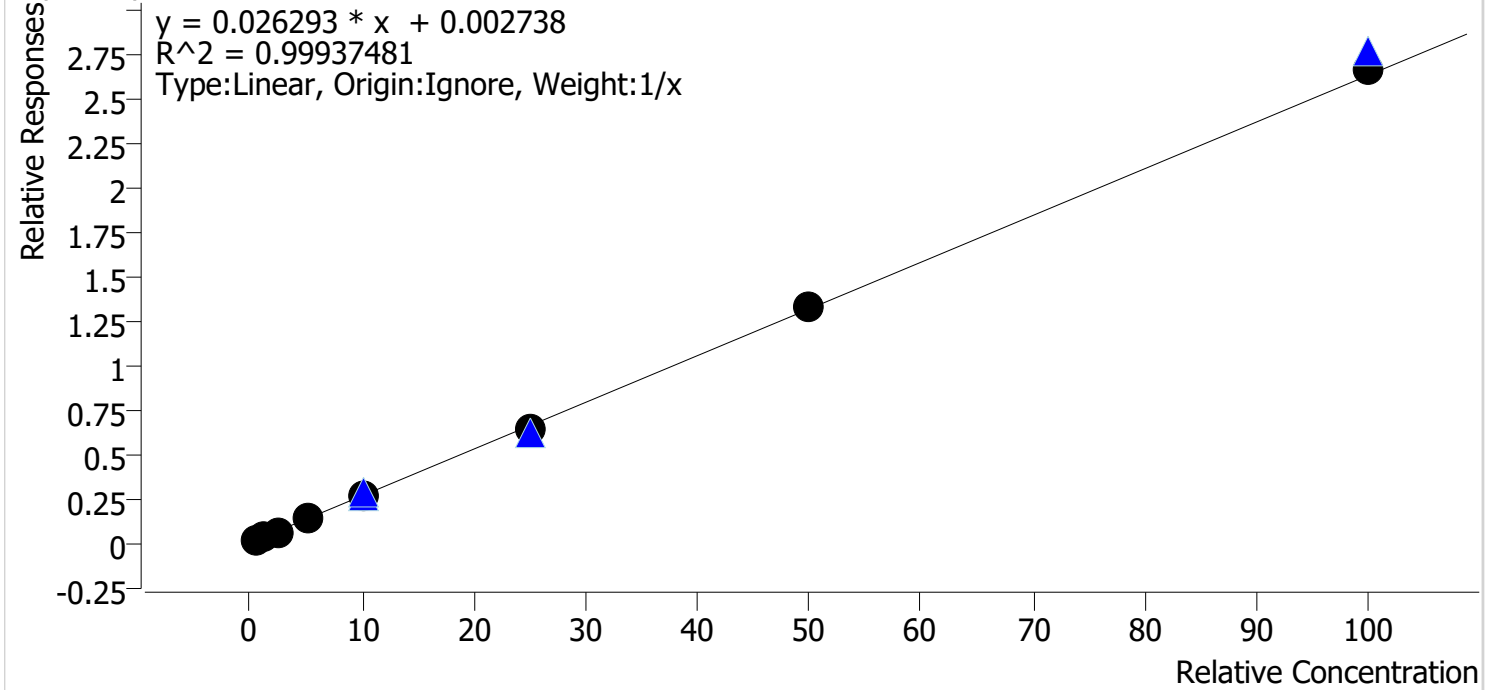
cal 1 dropped does not meet ratio requirement.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



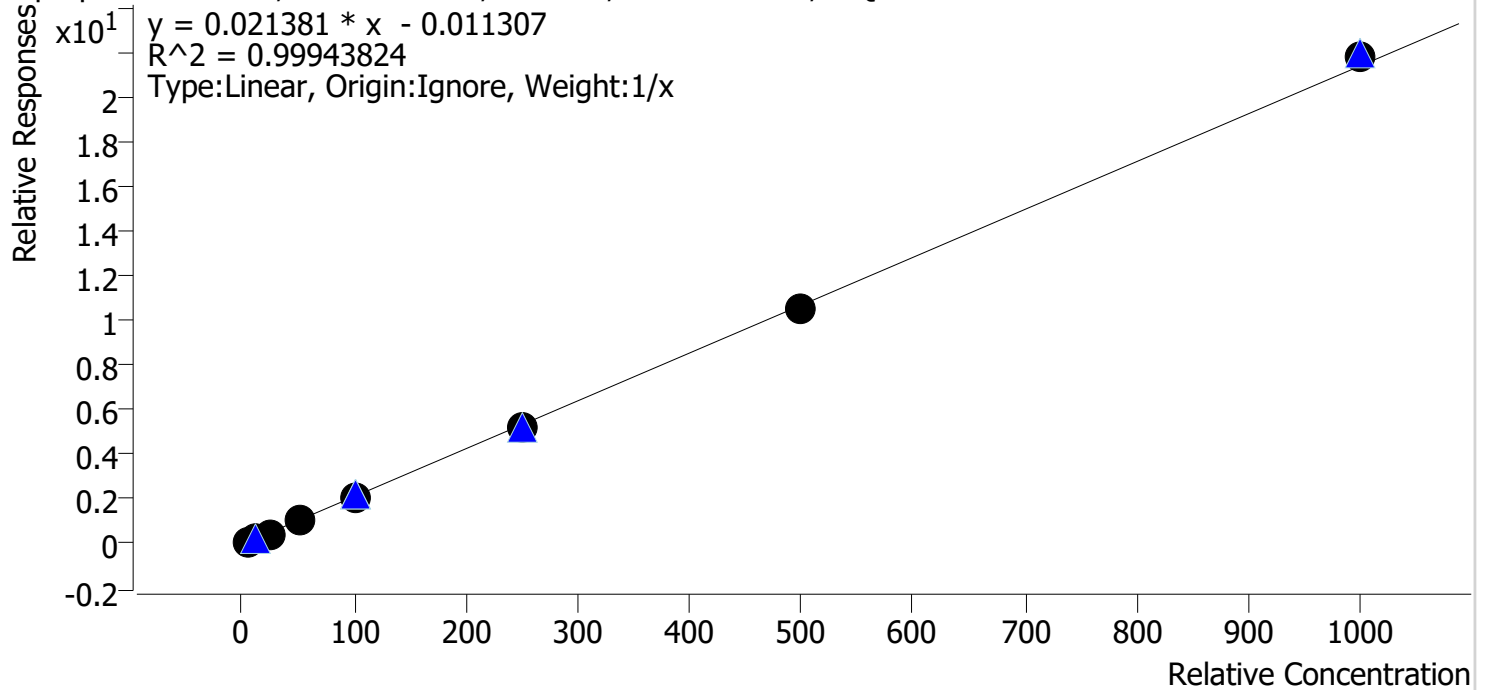
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	117.5
cal 2 mdq	2	✓	1.0	0.9	86.0
cal 3 mdq	3	✓	2.5	2.4	96.0
cal 4 mdq	4	✓	5.0	5.3	105.7
cal 5 mdq	5	✓	10.0	9.8	97.6
cal 6 mdq	6	✓	25.0	24.0	96.0
cal 7 mdq	7	✓	50.0	50.1	100.2
cal 8 mdq	8	✓	100.0	101.0	101.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



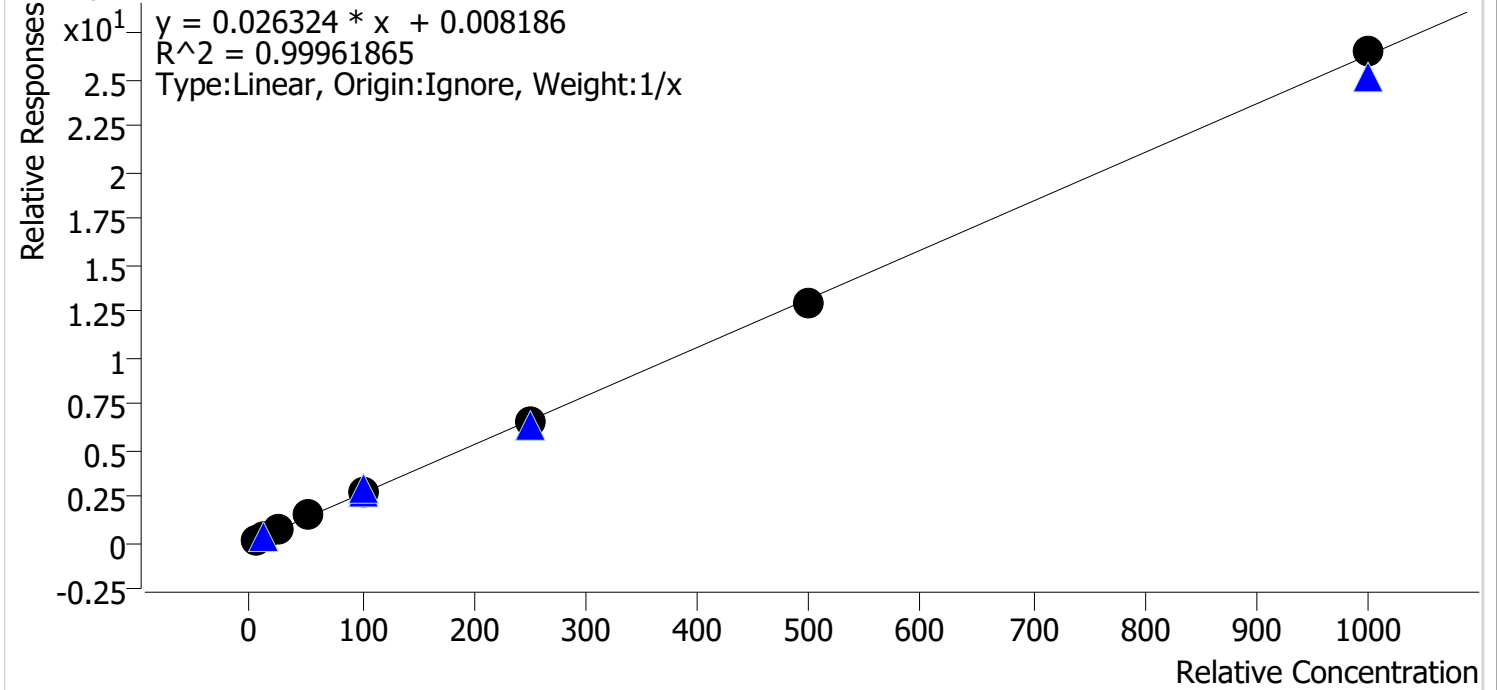
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	112.3
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	23.6	94.5
cal 4 mdq	4	✓	50.0	49.9	99.8
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	241.1	96.5
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	1019.3	101.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



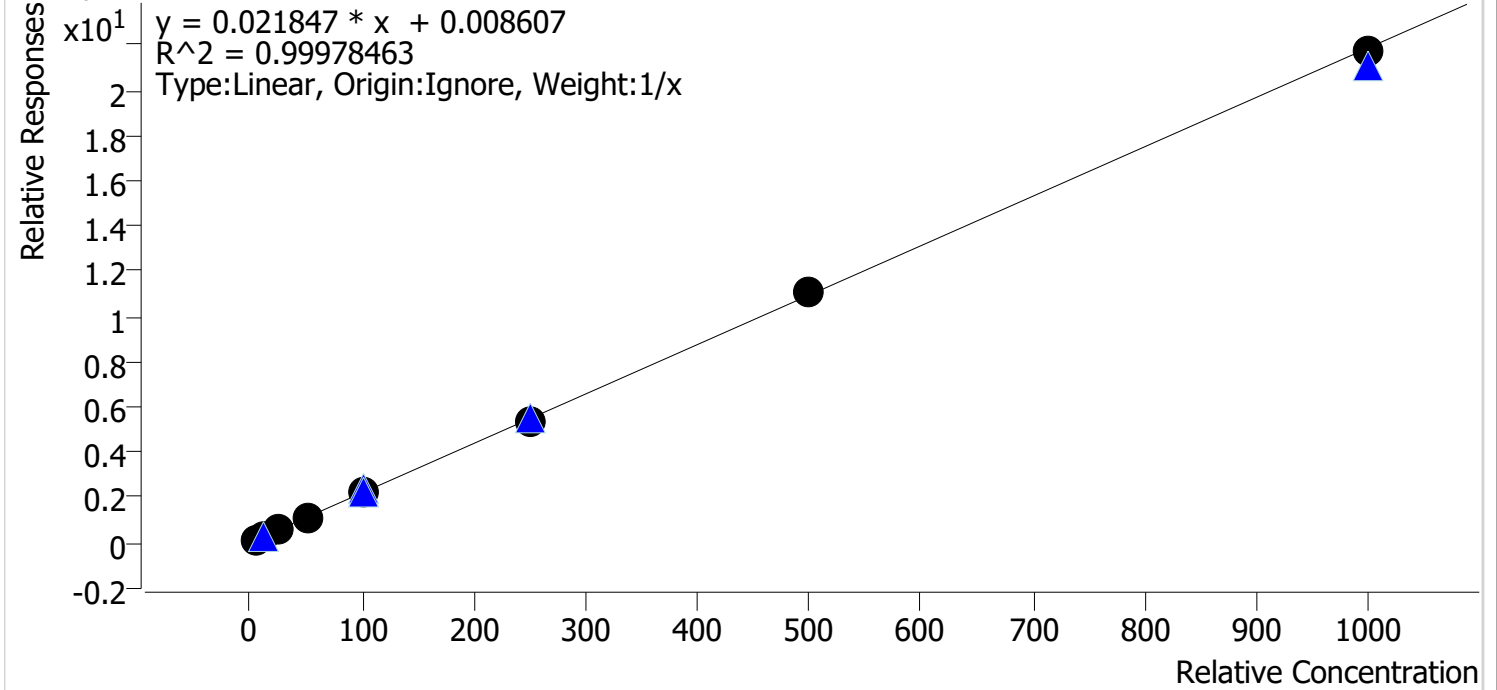
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	53.6	107.3
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	248.7	99.5
cal 7 mdq	7	✓	500.0	488.9	97.8
cal 8 mdq	8	✓	1000.0	1007.4	100.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



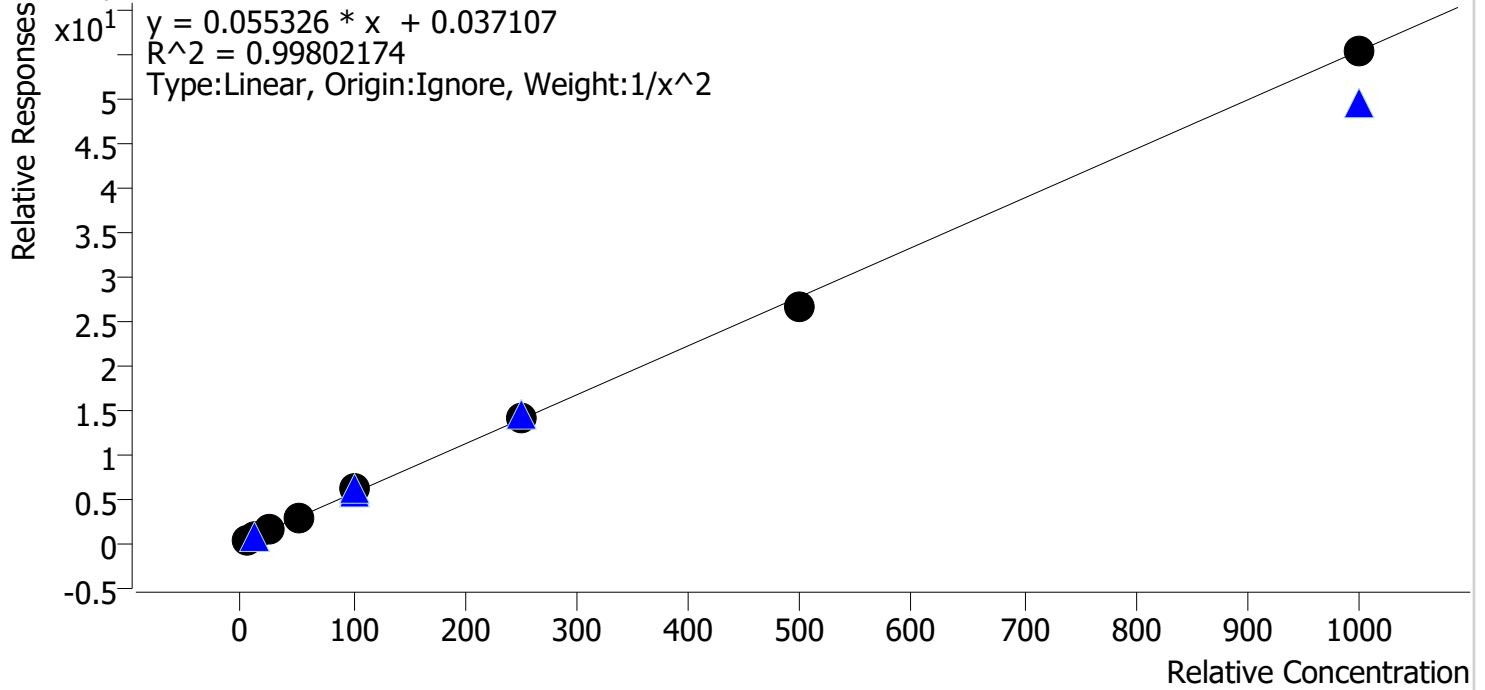
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	23.8	95.1
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	507.4	101.5
cal 8 mdq	8	✓	1000.0	992.6	99.3

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Clonazepam	Internal Standard	Clonazepam-D4

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



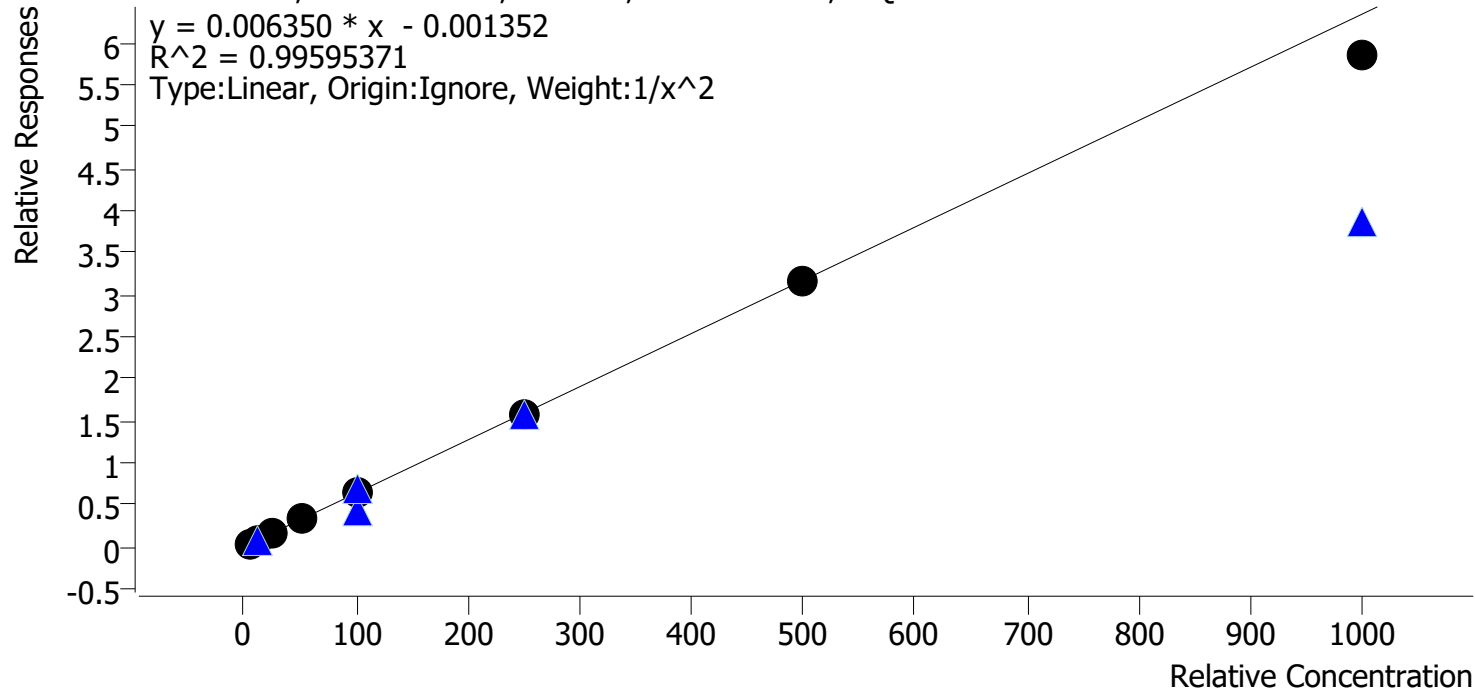
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.7
cal 2 mdq	2	✓	10.0	9.4	94.2
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	49.2	98.5
cal 5 mdq	5	✓	100.0	106.4	106.4
cal 6 mdq	6	✓	250.0	255.6	102.2
cal 7 mdq	7	✓	500.0	480.0	96.0
cal 8 mdq	8	✓	1000.0	998.4	99.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Alprazolam-D5

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



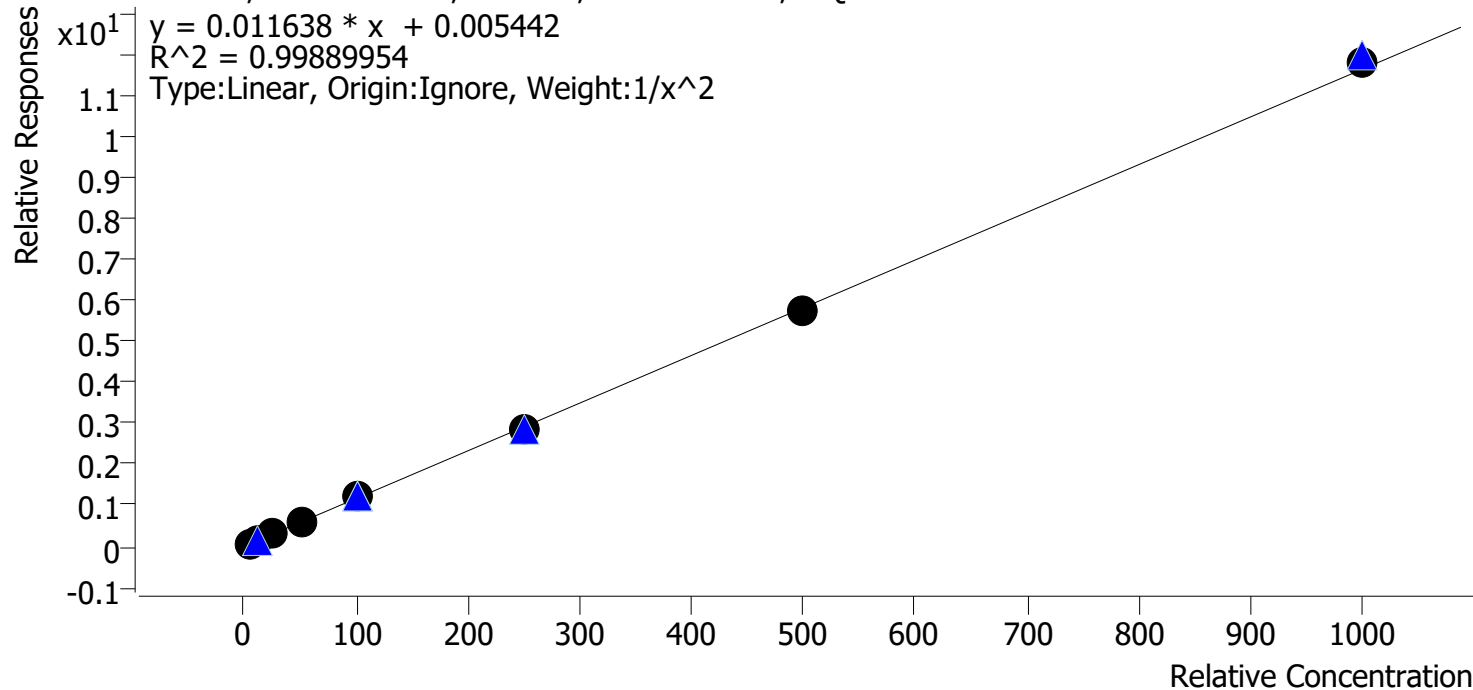
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	55.7	111.4
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	922.0	92.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



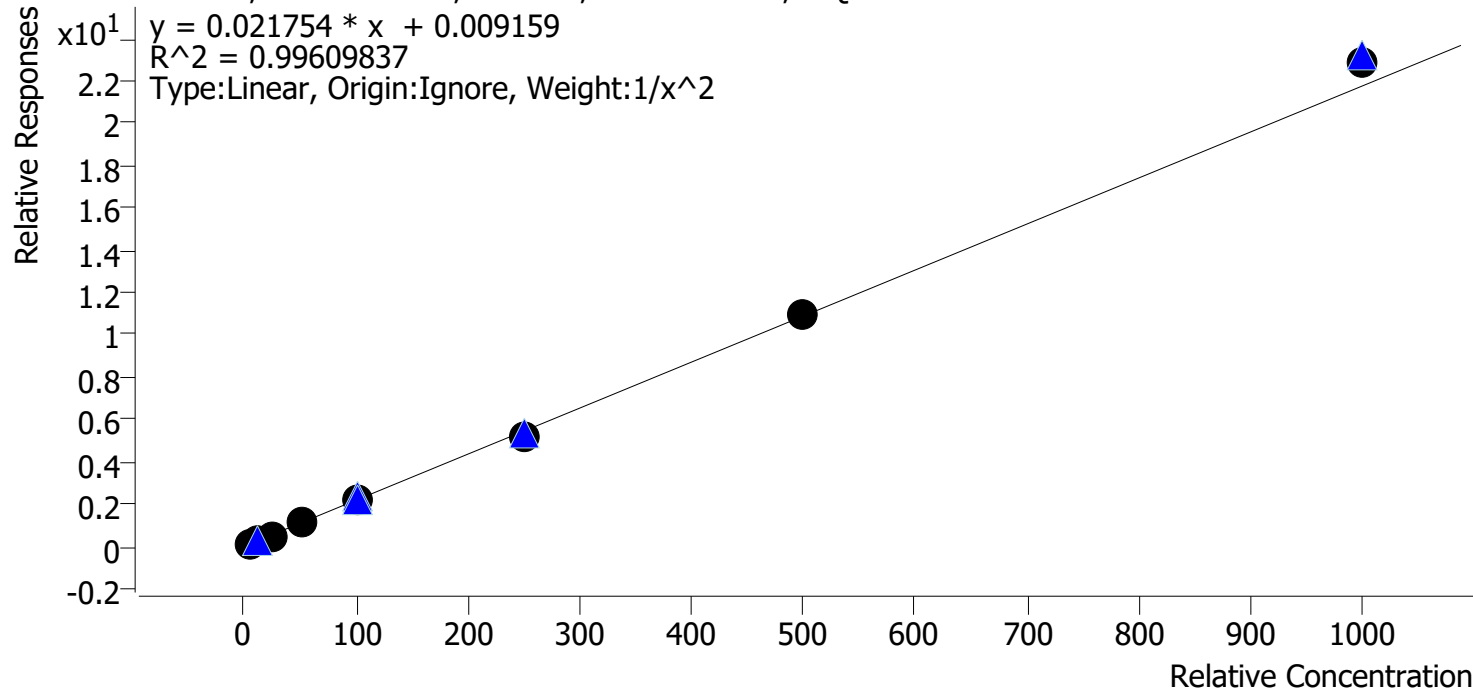
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	52.1	104.3
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	247.0	98.8
cal 7 mdq	7	✓	500.0	496.5	99.3
cal 8 mdq	8	✓	1000.0	1012.4	101.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



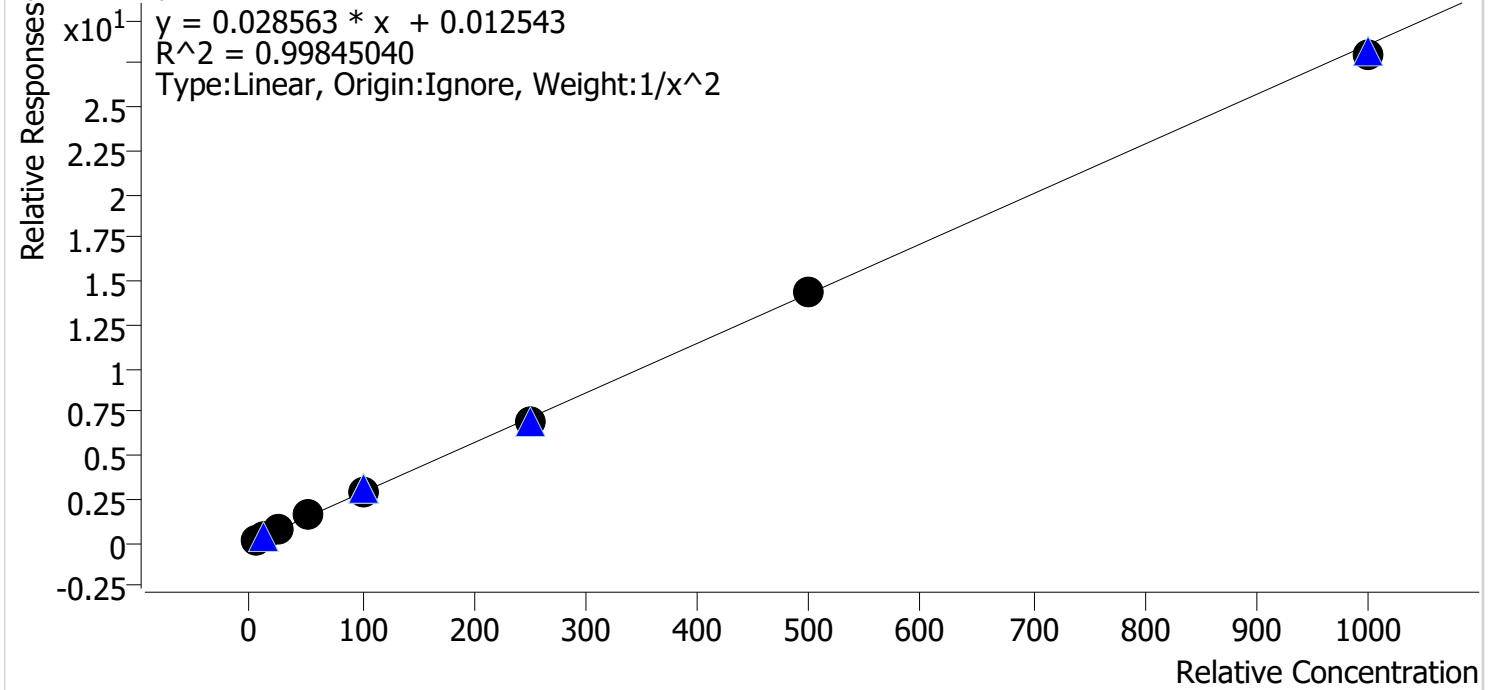
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.7
cal 2 mdq	2	✓	10.0	9.1	91.3
cal 3 mdq	3	✓	25.0	23.7	94.9
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	240.5	96.2
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	1051.7	105.2

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Cyclobenzaprine	Internal Standard	Cyclobenzaprine-D3

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



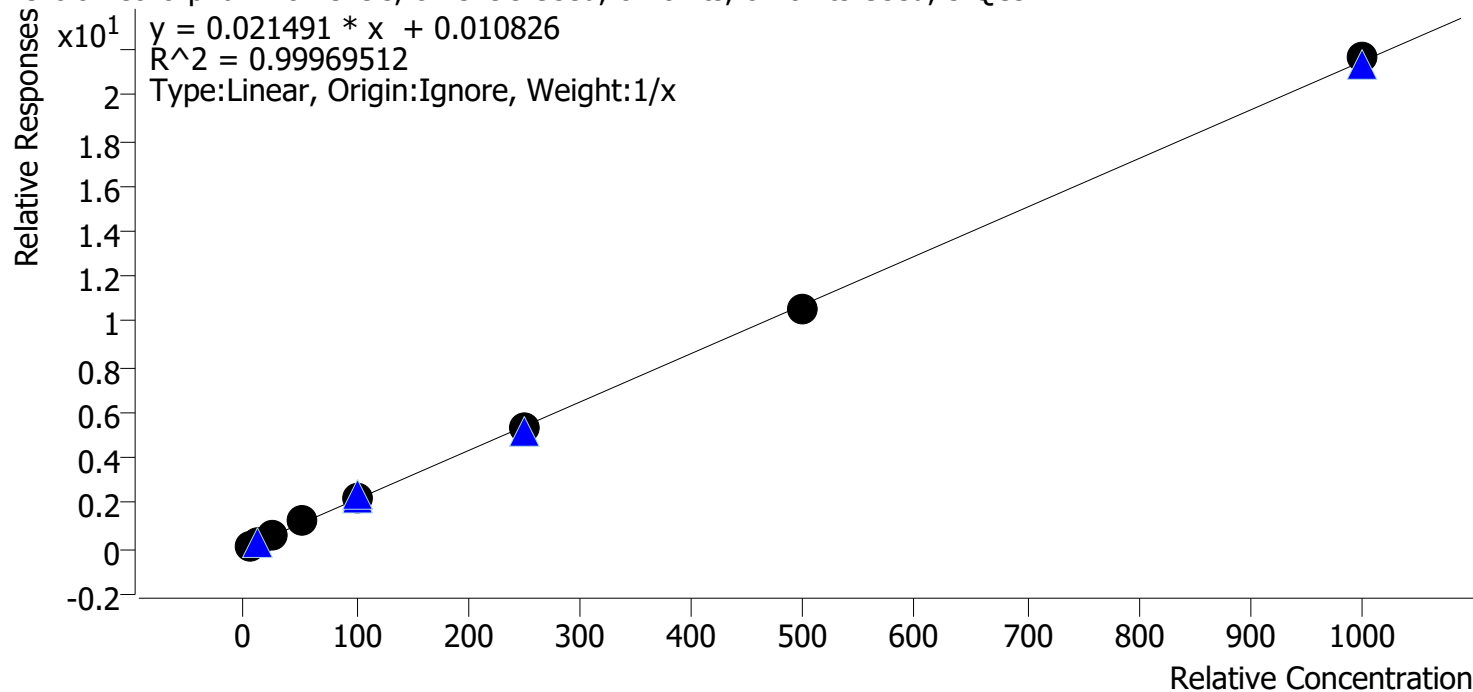
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	245.4	98.2
cal 7 mdq	7	✓	500.0	504.7	100.9
cal 8 mdq	8	✓	1000.0	977.3	97.7

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Dextromethorphan	Internal Standard	Dextromethorphan-D3

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



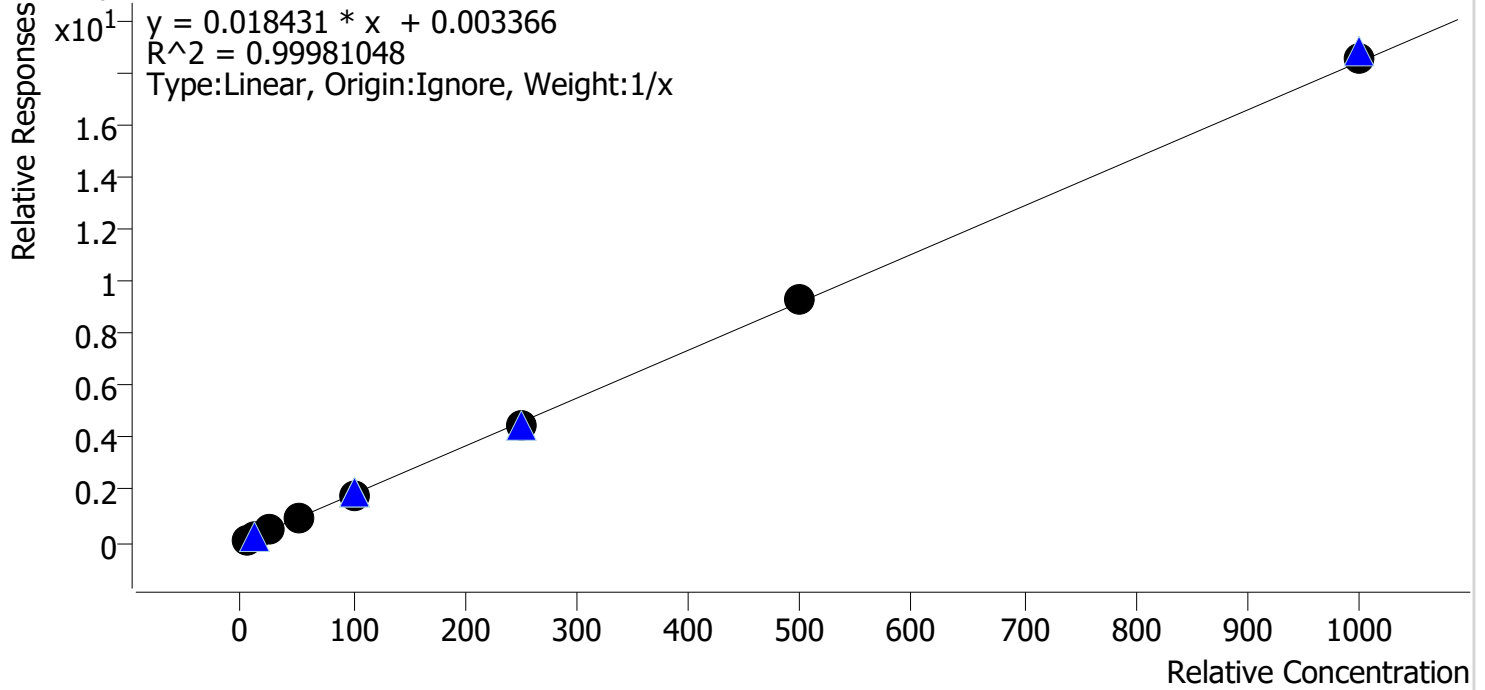
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	23.6	94.3
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	245.1	98.0
cal 7 mdq	7	✓	500.0	494.3	98.9
cal 8 mdq	8	✓	1000.0	1007.7	100.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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

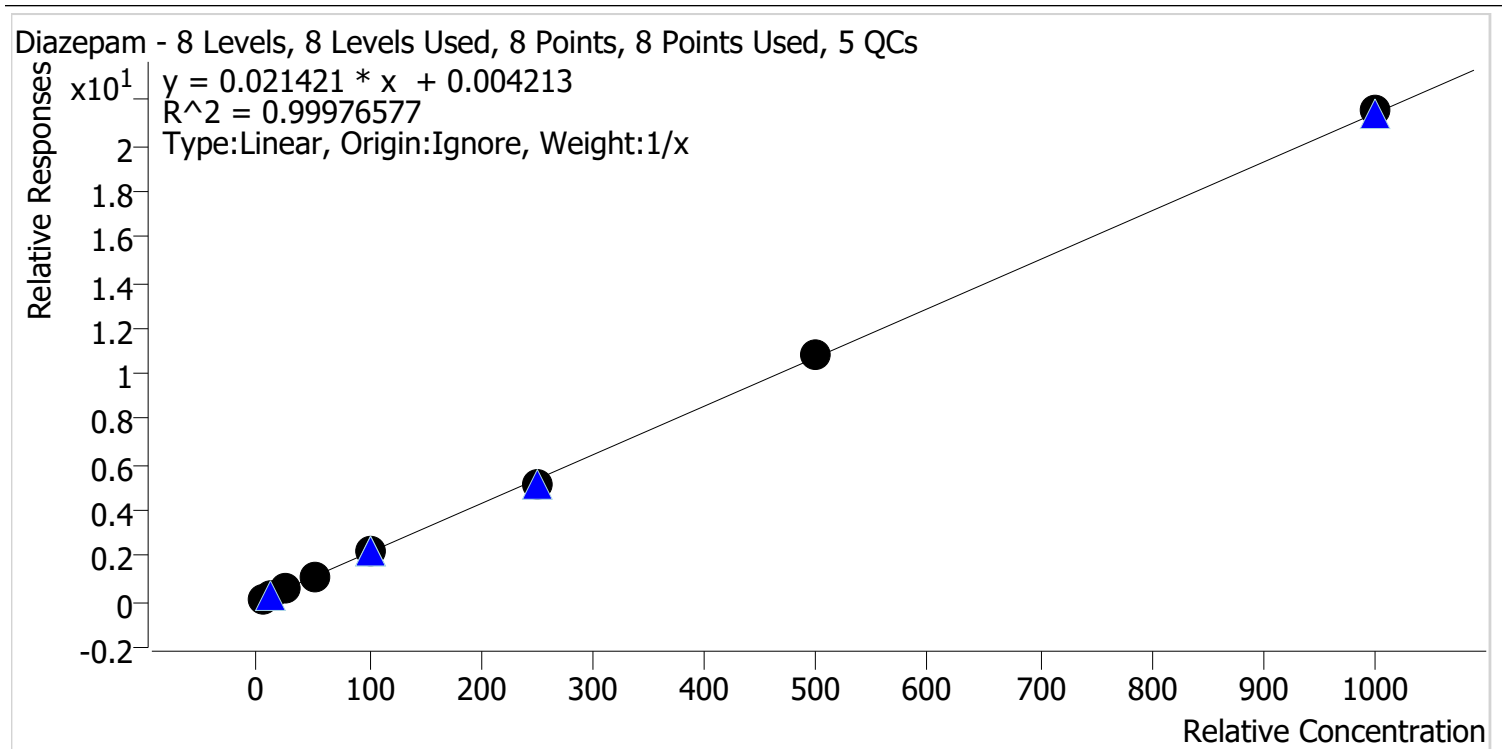


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.0
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	23.9	95.8
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	242.6	97.0
cal 7 mdq	7	✓	500.0	502.0	100.4
cal 8 mdq	8	✓	1000.0	1005.3	100.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



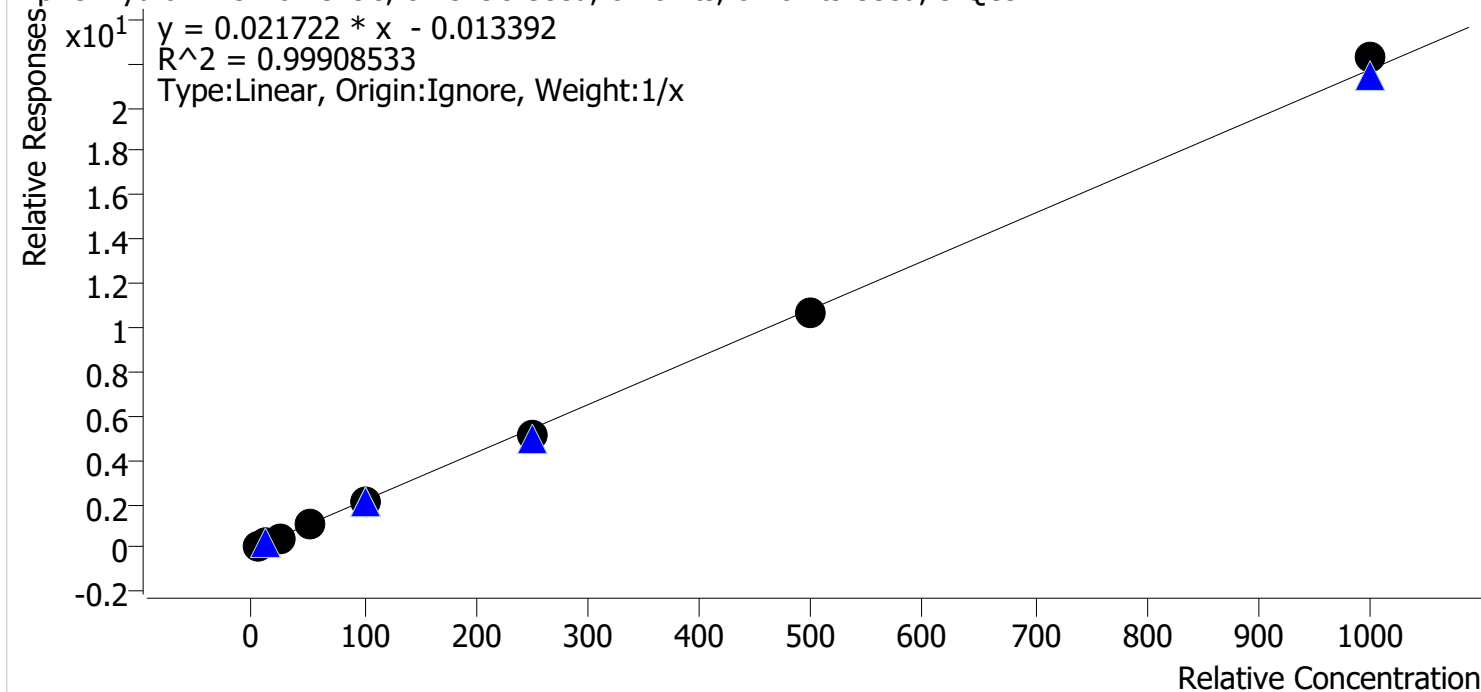
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.4
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	51.4	102.9
cal 5 mdq	5	✓	100.0	100.5	100.5
cal 6 mdq	6	✓	250.0	241.1	96.4
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	1005.6	100.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



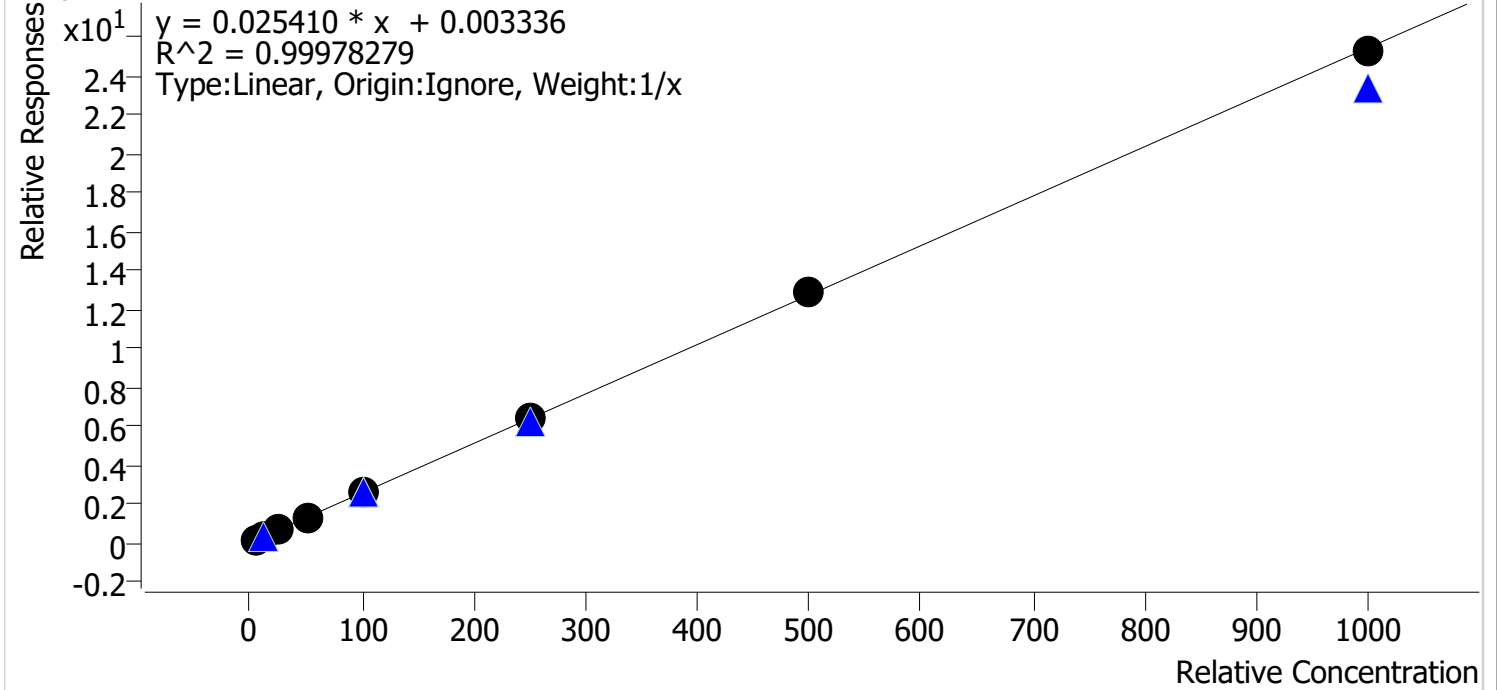
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	113.1
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	23.3	93.1
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	239.2	95.7
cal 7 mdq	7	✓	500.0	490.1	98.0
cal 8 mdq	8	✓	1000.0	1025.0	102.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



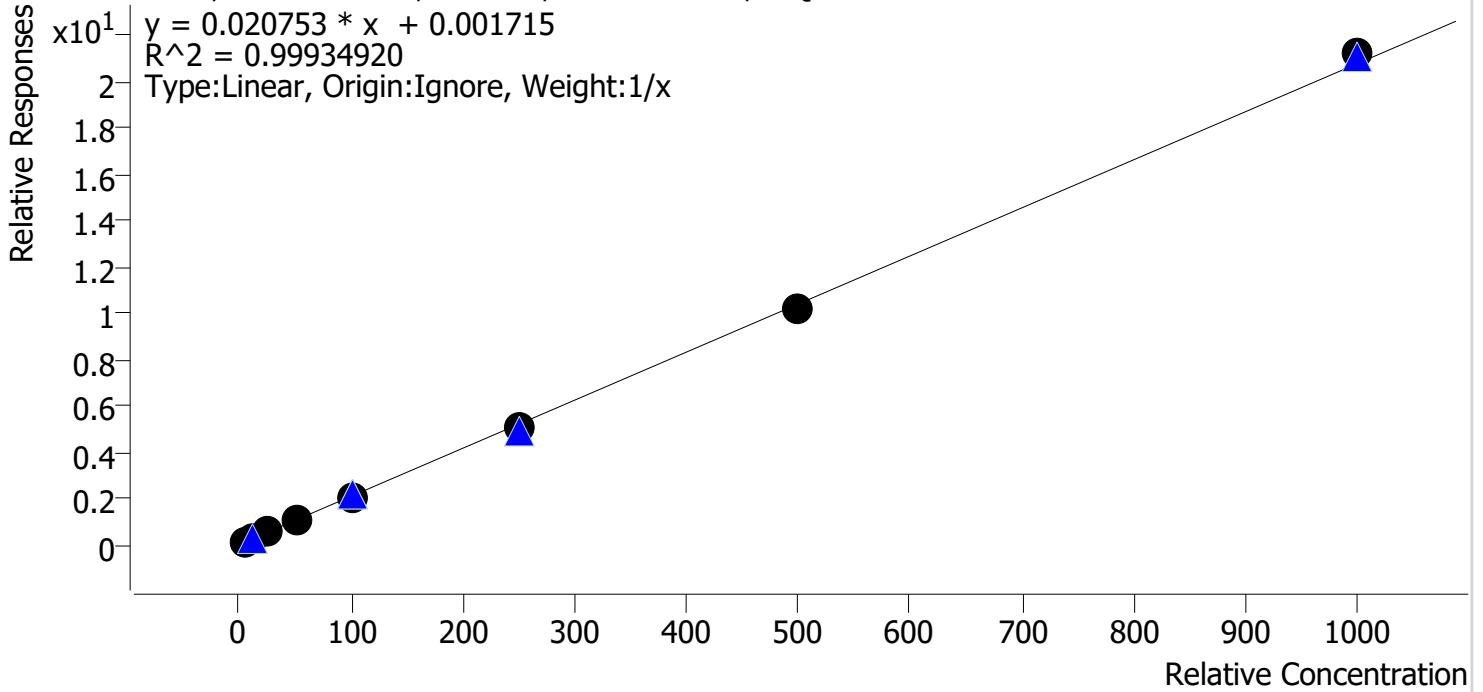
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	24.0	95.9
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	247.6	99.0
cal 7 mdq	7	✓	500.0	508.6	101.7
cal 8 mdq	8	✓	1000.0	992.3	99.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



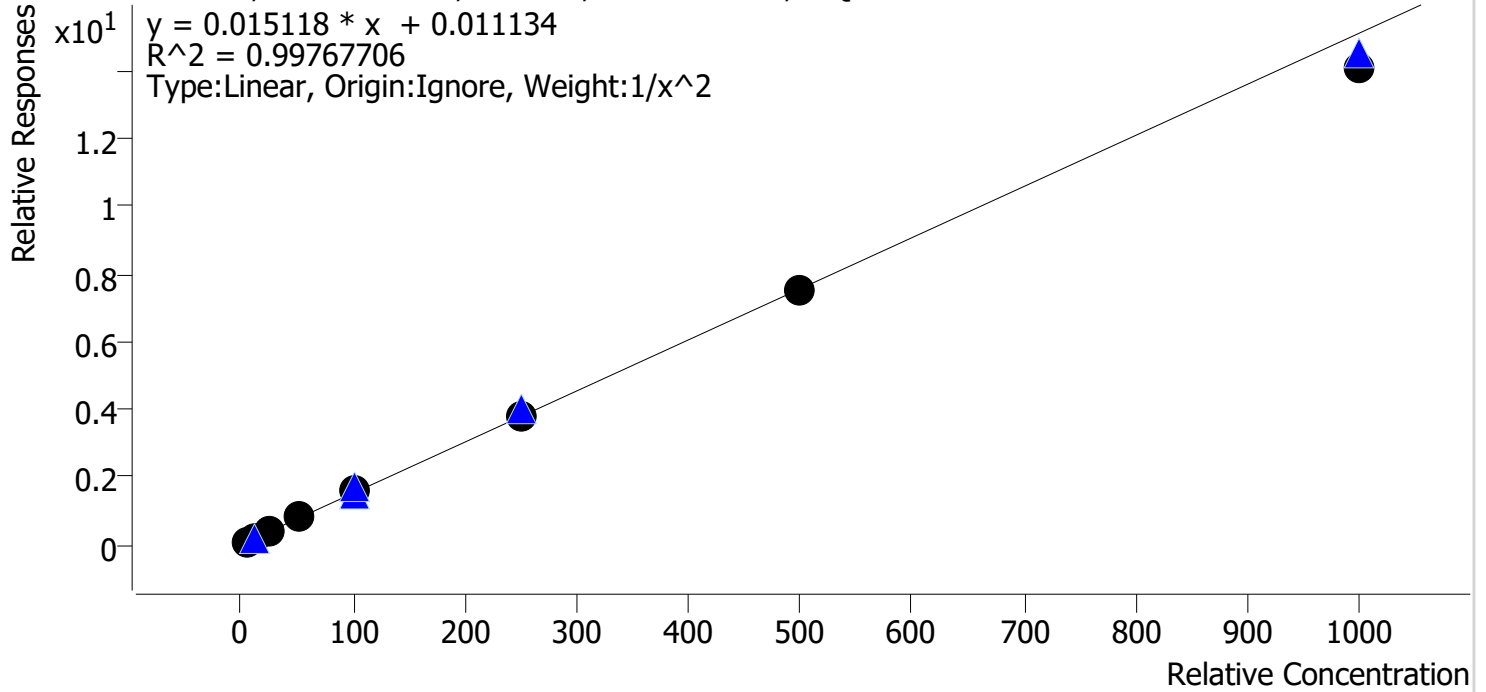
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.6
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	23.6	94.5
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	241.7	96.7
cal 7 mdq	7	✓	500.0	488.2	97.6
cal 8 mdq	8	✓	1000.0	1021.0	102.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Diazepam-D5

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



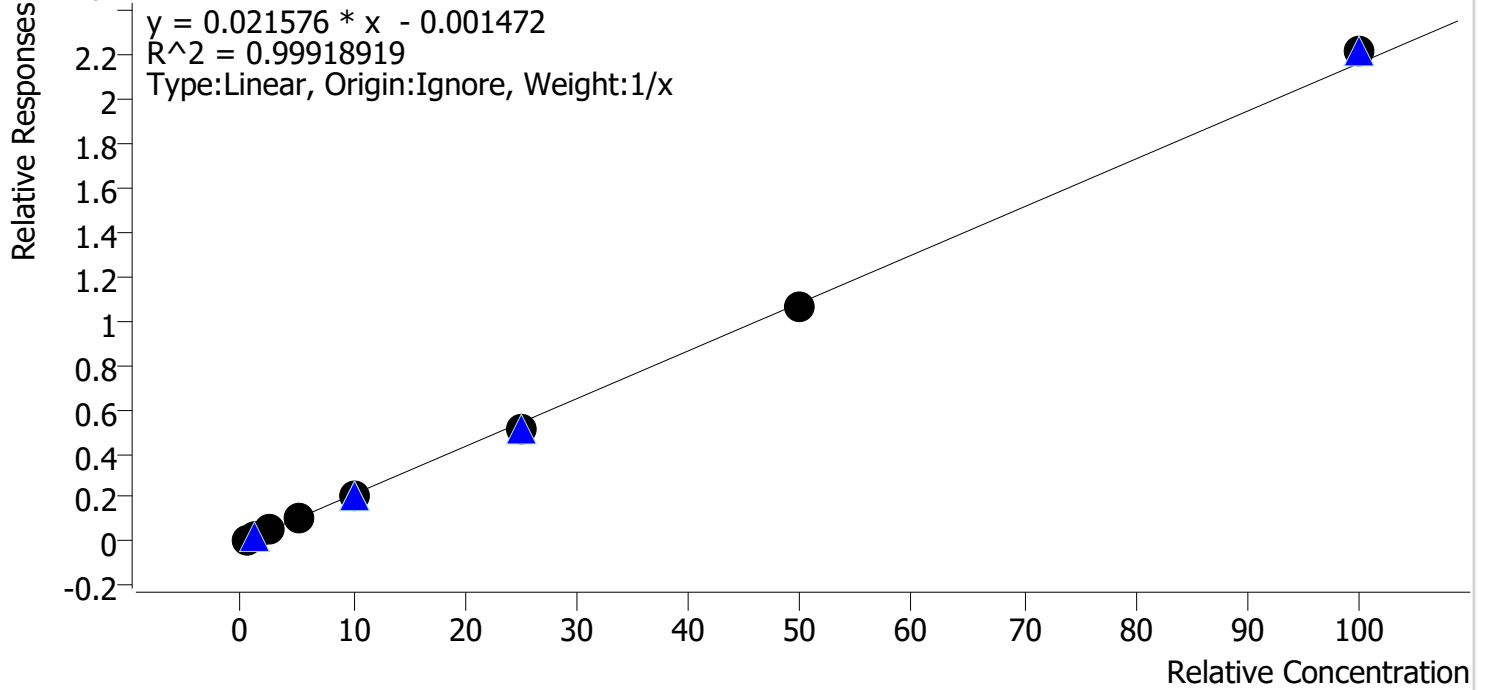
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	24.6	98.6
cal 4 mdq	4	✓	50.0	53.8	107.7
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	934.5	93.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



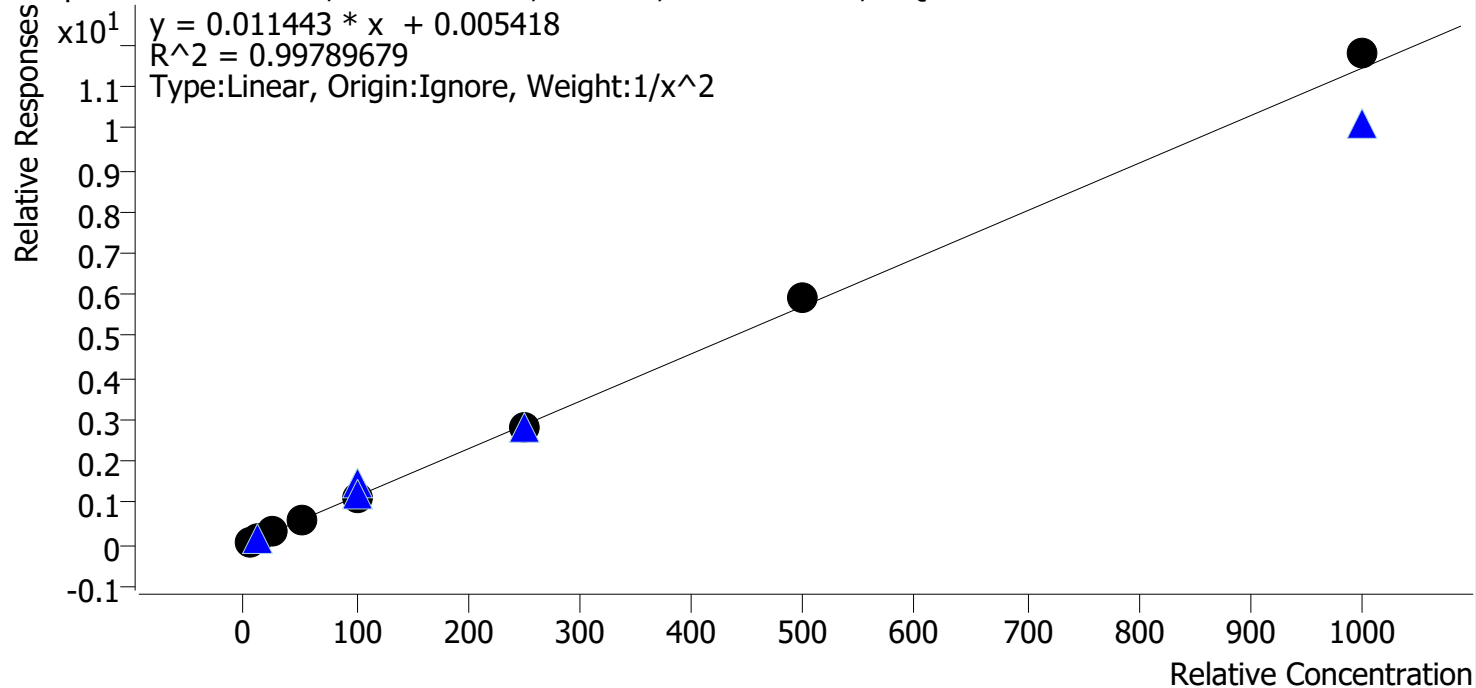
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	113.2
cal 2 mdq	2	✓	1.0	1.0	99.1
cal 3 mdq	3	✓	2.5	2.4	96.2
cal 4 mdq	4	✓	5.0	4.9	98.5
cal 5 mdq	5	✓	10.0	9.7	96.5
cal 6 mdq	6	✓	25.0	24.0	95.9
cal 7 mdq	7	✓	50.0	49.1	98.1
cal 8 mdq	8	✓	100.0	102.4	102.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Fluaprazolam **Internal Standard** Alprazolam-D5

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

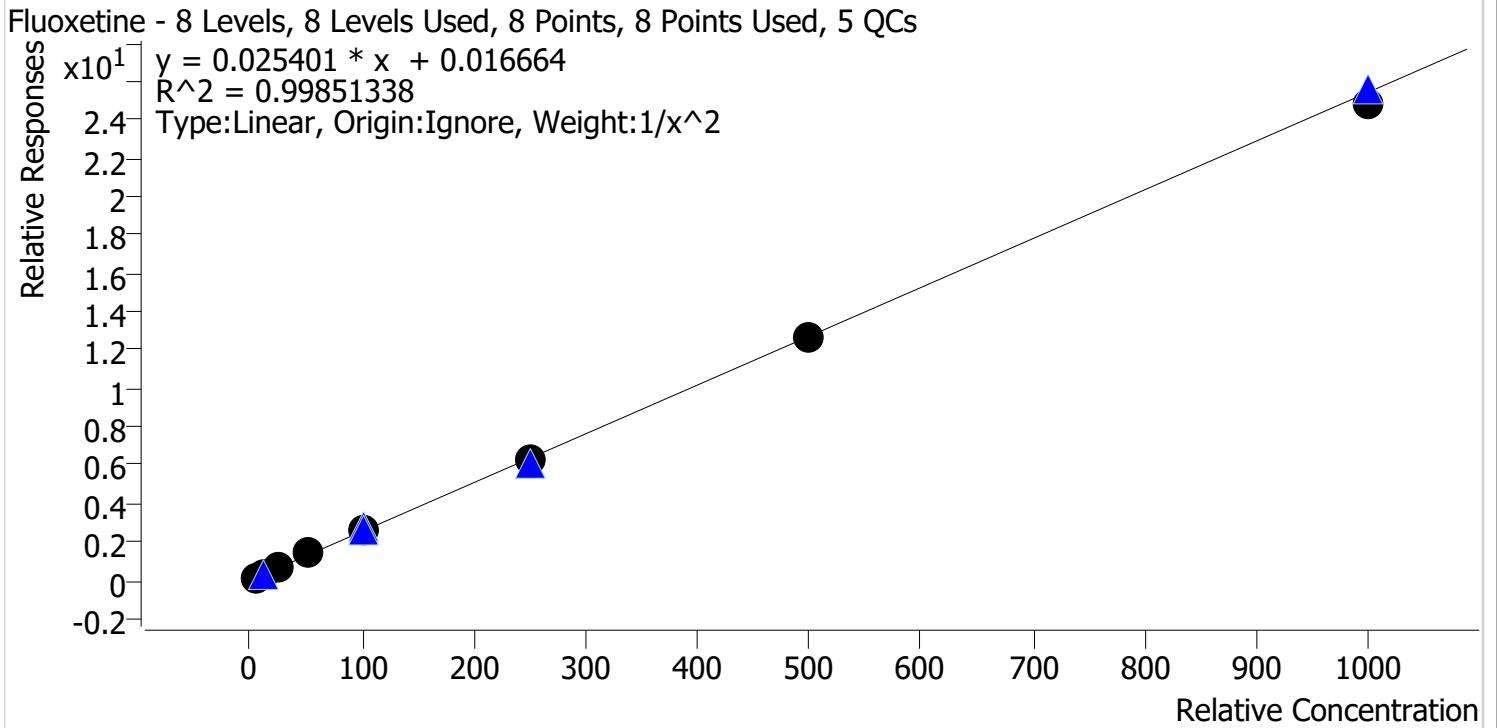


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.5	95.5
cal 3 mdq	3	✓	25.0	23.5	93.8
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	242.9	97.2
cal 7 mdq	7	✓	500.0	516.8	103.4
cal 8 mdq	8	✓	1000.0	1030.5	103.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

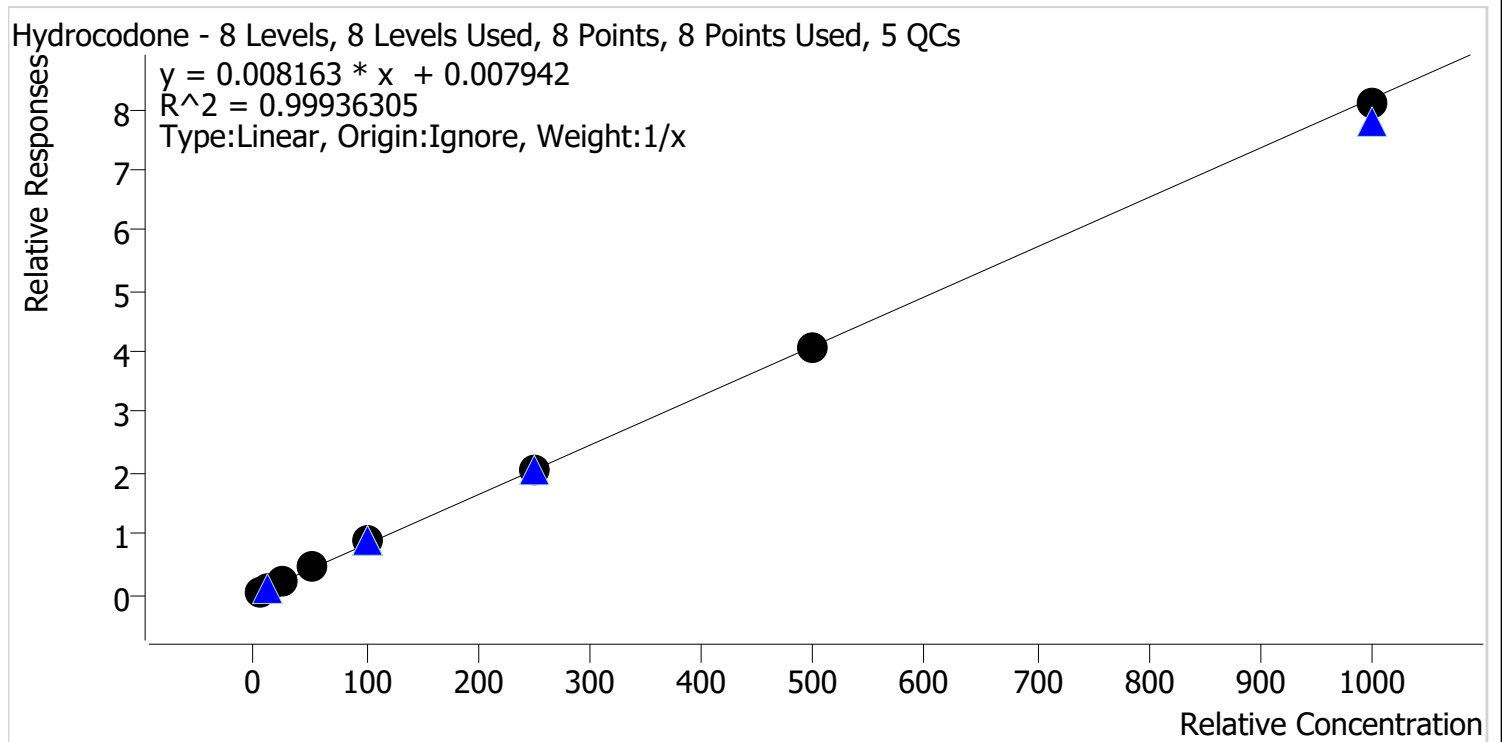


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	53.9	107.7
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	247.6	99.0
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	977.6	97.8

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Hydrocodone	Internal Standard	Hydrocodone-D6

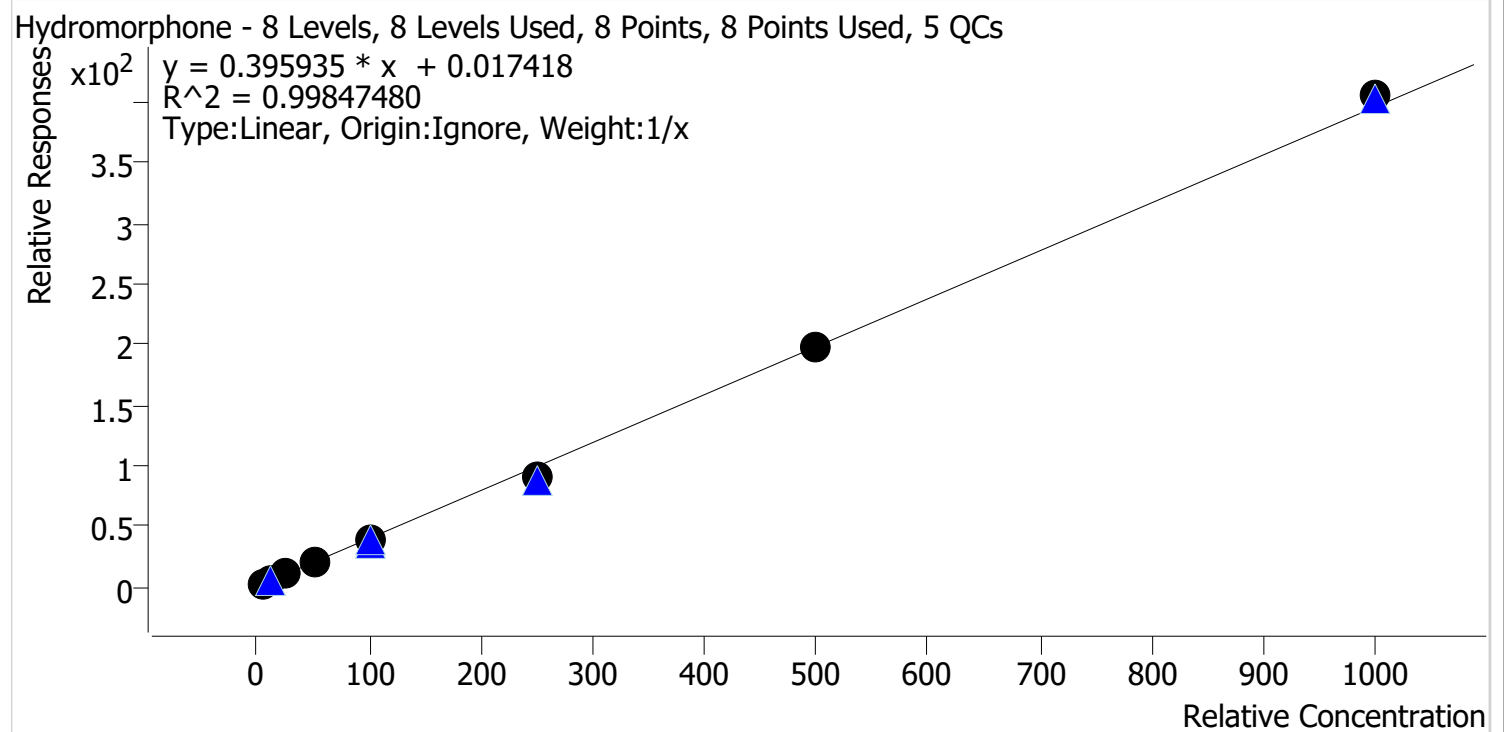


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.6
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	55.7	111.5
cal 5 mdq	5	✓	100.0	105.2	105.2
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	499.4	99.9
cal 8 mdq	8	✓	1000.0	989.5	99.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6



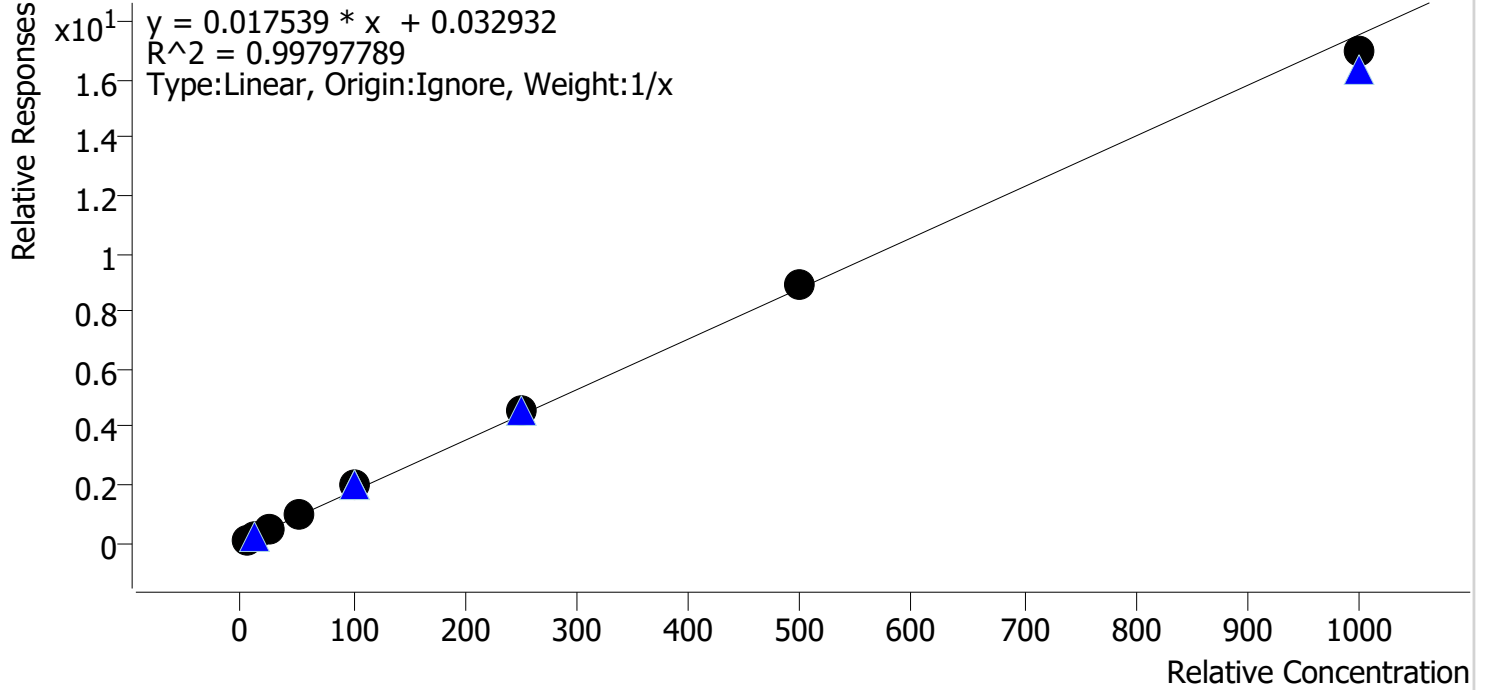
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.4
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	23.6	94.4
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	95.5	95.5
cal 6 mdq	6	✓	250.0	229.8	91.9
cal 7 mdq	7	✓	500.0	499.0	99.8
cal 8 mdq	8	✓	1000.0	1023.8	102.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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

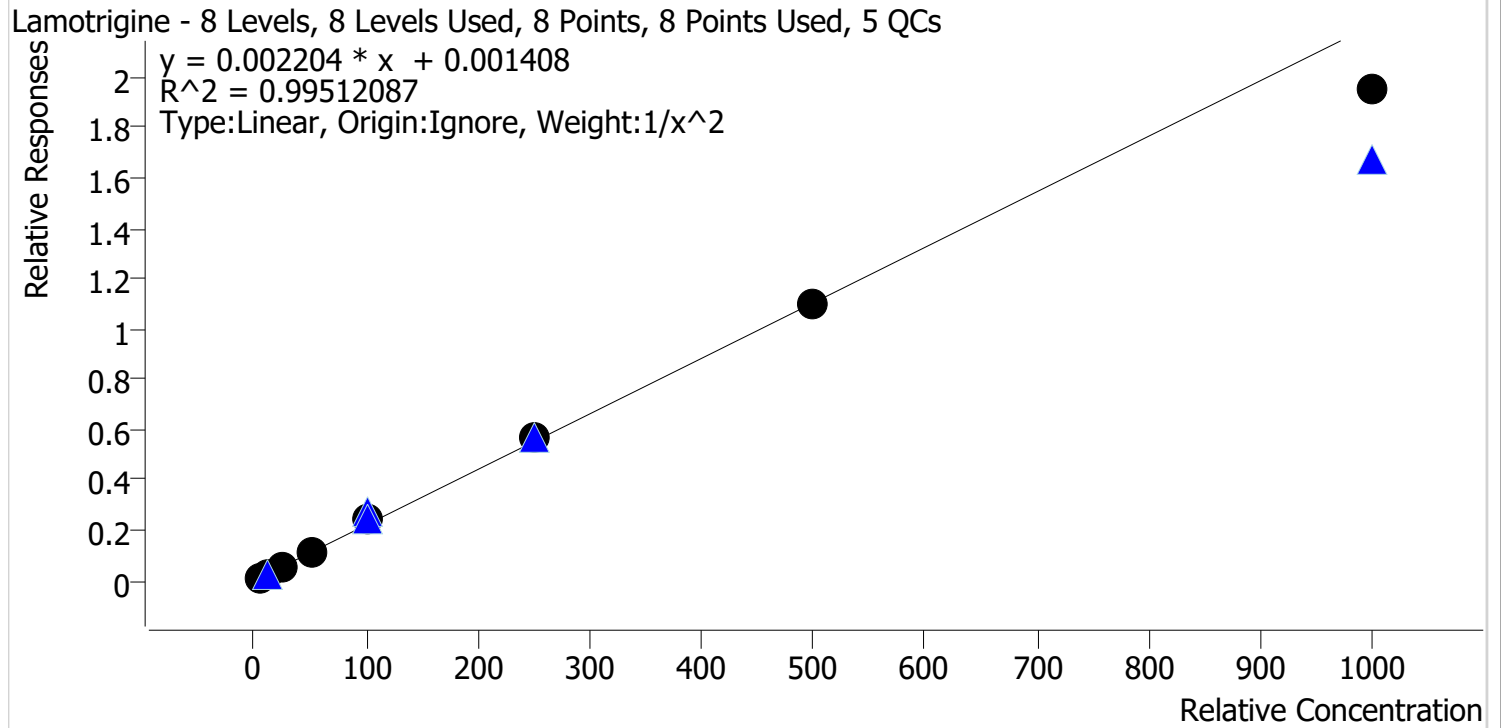


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	83.9
cal 2 mdq	2	✓	10.0	9.1	91.0
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	55.8	111.5
cal 5 mdq	5	✓	100.0	109.5	109.5
cal 6 mdq	6	✓	250.0	262.2	104.9
cal 7 mdq	7	✓	500.0	507.3	101.5
cal 8 mdq	8	✓	1000.0	966.7	96.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** MDA-D5

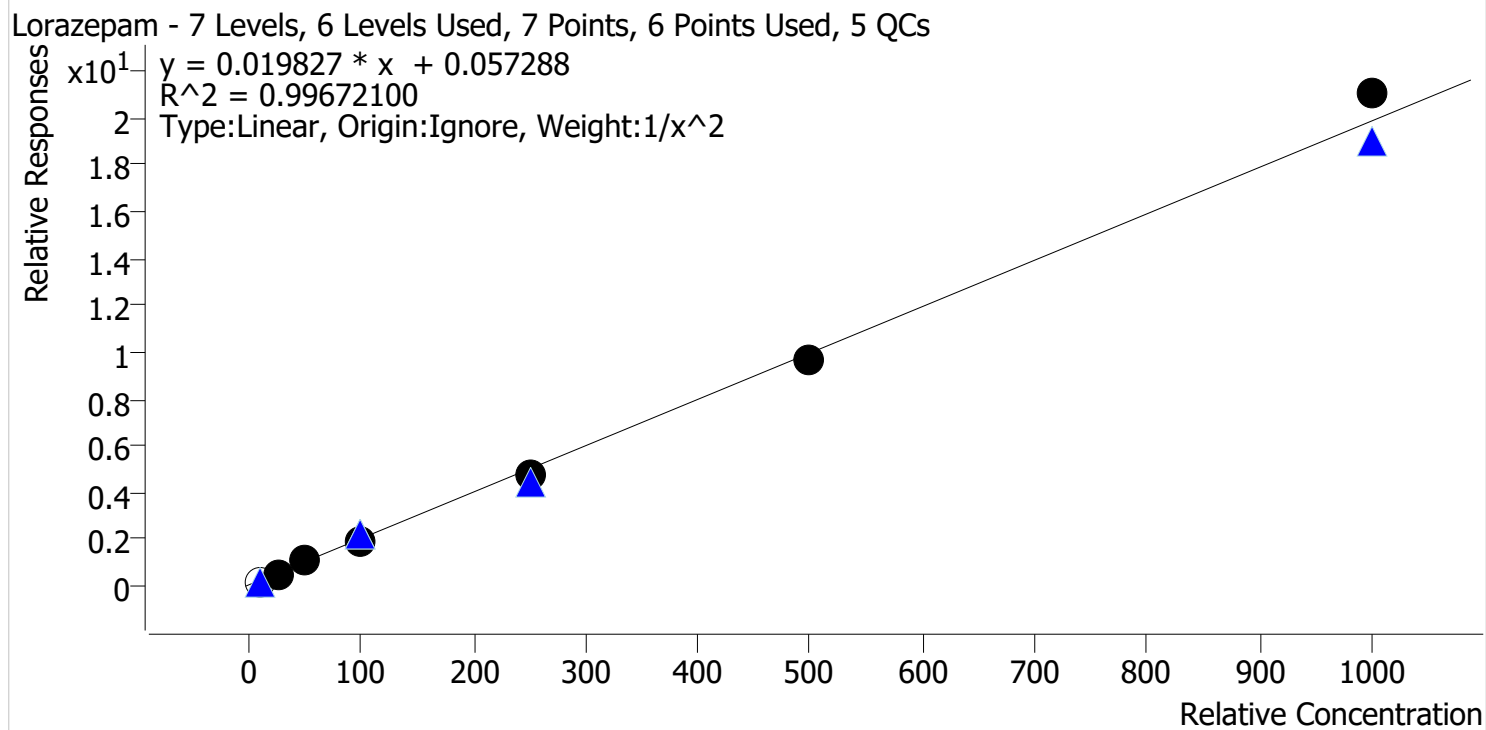


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.8	98.2
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	108.6	108.6
cal 6 mdq	6	✓	250.0	255.7	102.3
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	884.0	88.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



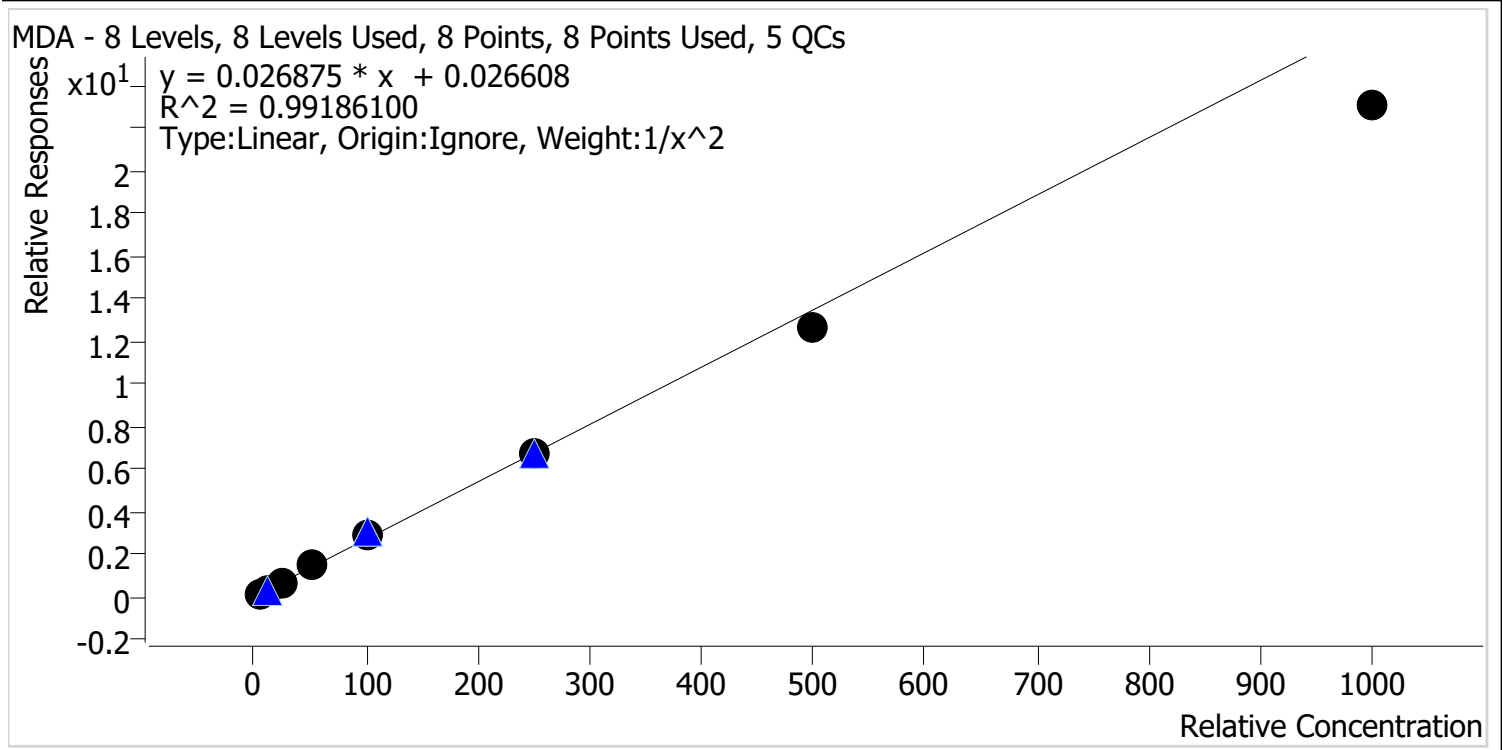
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2 mdq	2	x	10.0	7.6	75.6
cal 3 mdq	3	✓	25.0	24.6	98.2
cal 4 mdq	4	✓	50.0	52.9	105.8
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	239.4	95.8
cal 7 mdq	7	✓	500.0	486.5	97.3
cal 8 mdq	8	✓	1000.0	1058.6	105.9

Cal 1 there no significant peak detected, cal 2 sn to noise and ratio do not meet requirements.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5



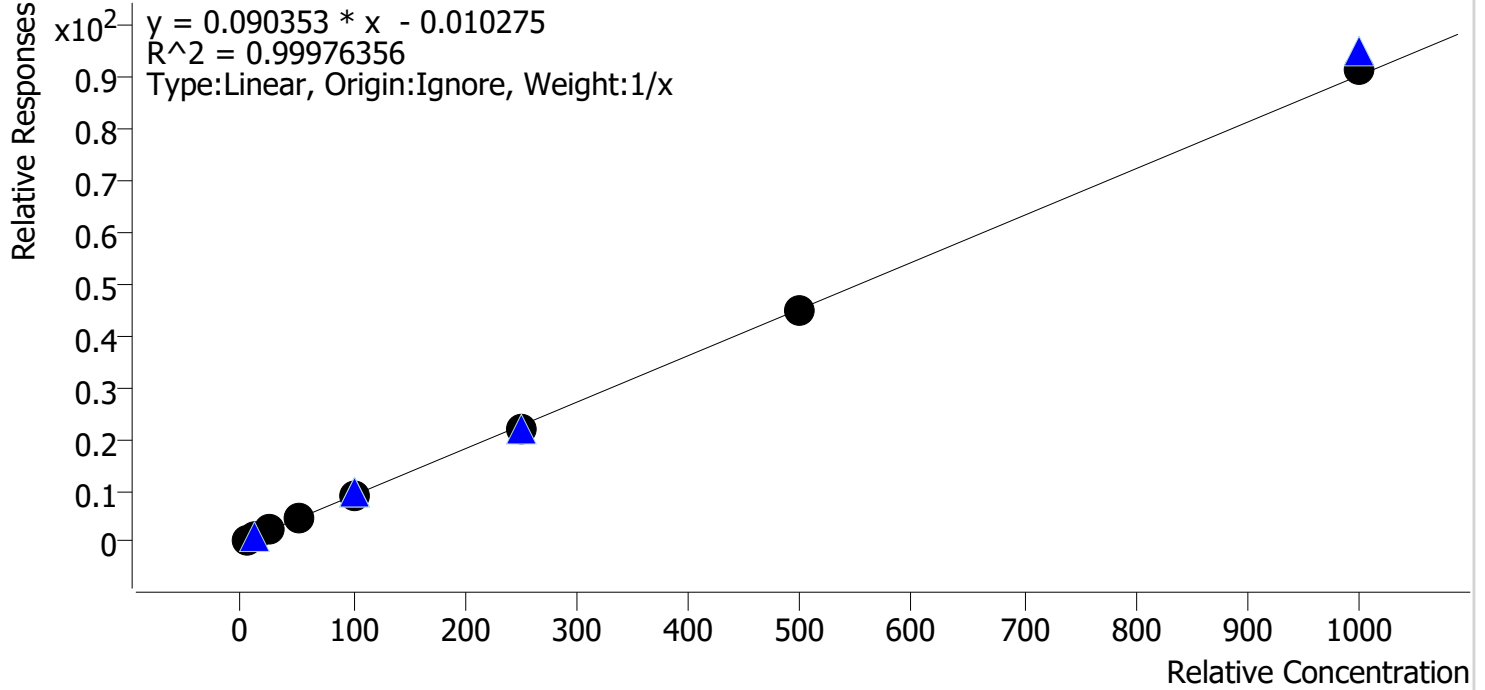
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	26.0	104.2
cal 4 mdq	4	✓	50.0	55.5	111.0
cal 5 mdq	5	✓	100.0	107.2	107.2
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	472.0	94.4
cal 8 mdq	8	✓	1000.0	856.1	85.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



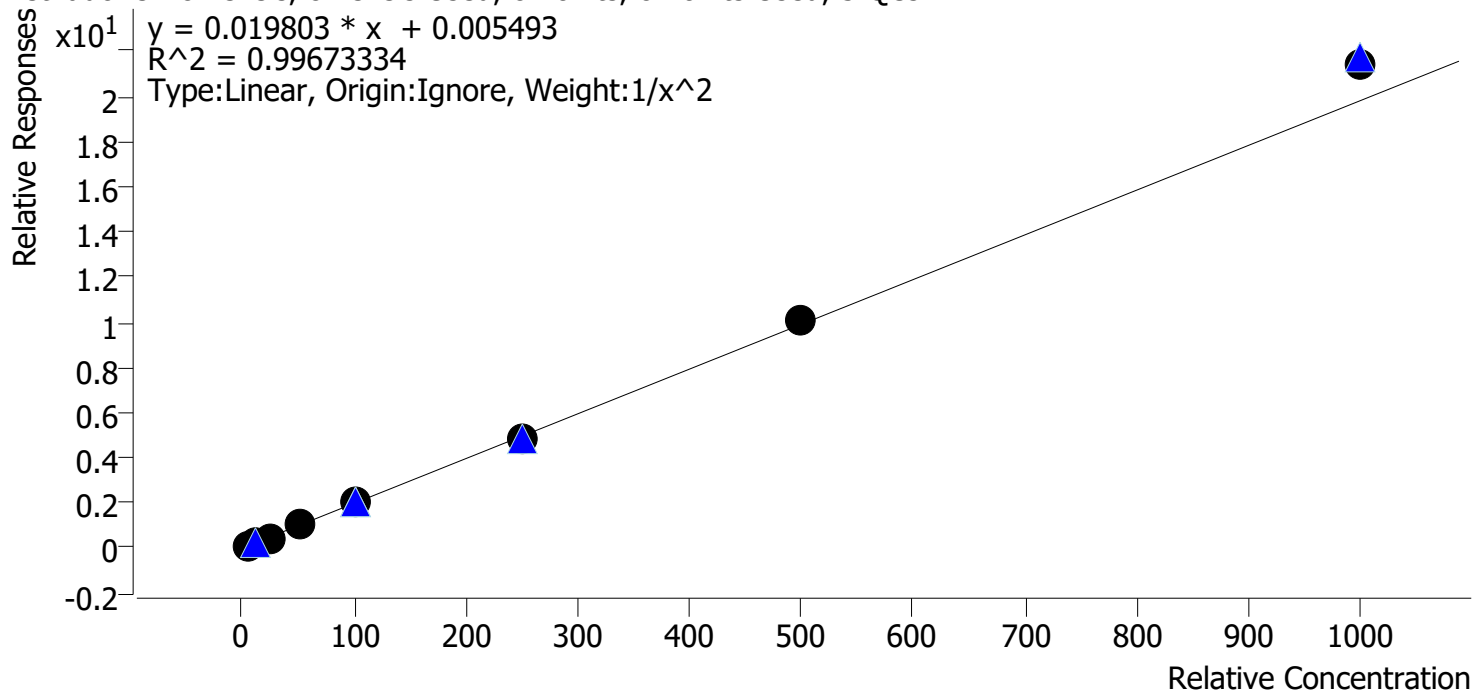
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.1
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	23.9	95.8
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	242.6	97.1
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	1009.6	101.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



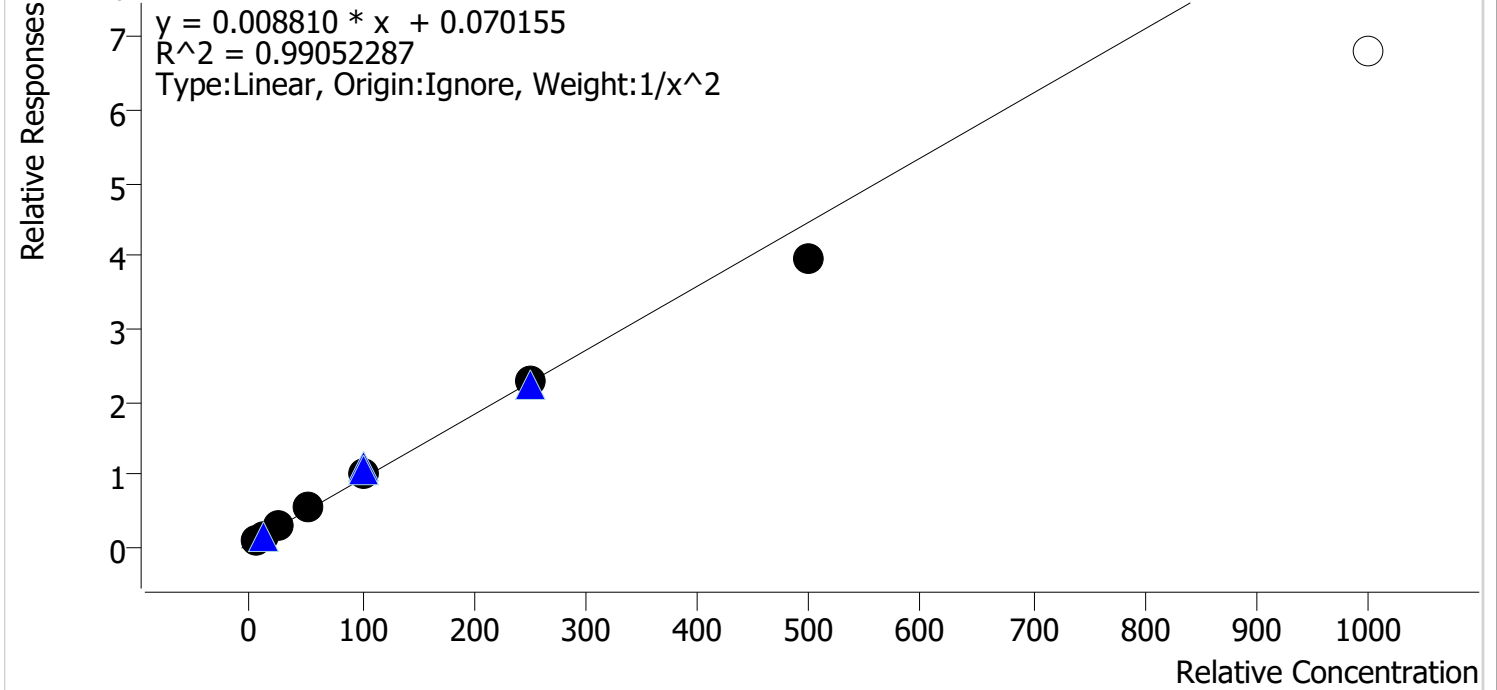
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.4
cal 2 mdq	2	✓	10.0	9.6	95.9
cal 3 mdq	3	✓	25.0	23.0	92.1
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	242.5	97.0
cal 7 mdq	7	✓	500.0	510.6	102.1
cal 8 mdq	8	✓	1000.0	1078.7	107.9

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Methamphetamine	Internal Standard	Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.7
cal 2 mdq	2	✓	10.0	9.0	90.3
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	54.8	109.6
cal 5 mdq	5	✓	100.0	108.3	108.3
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	440.5	88.1
cal 8 mdq	8	✗	1000.0	765.0	76.5

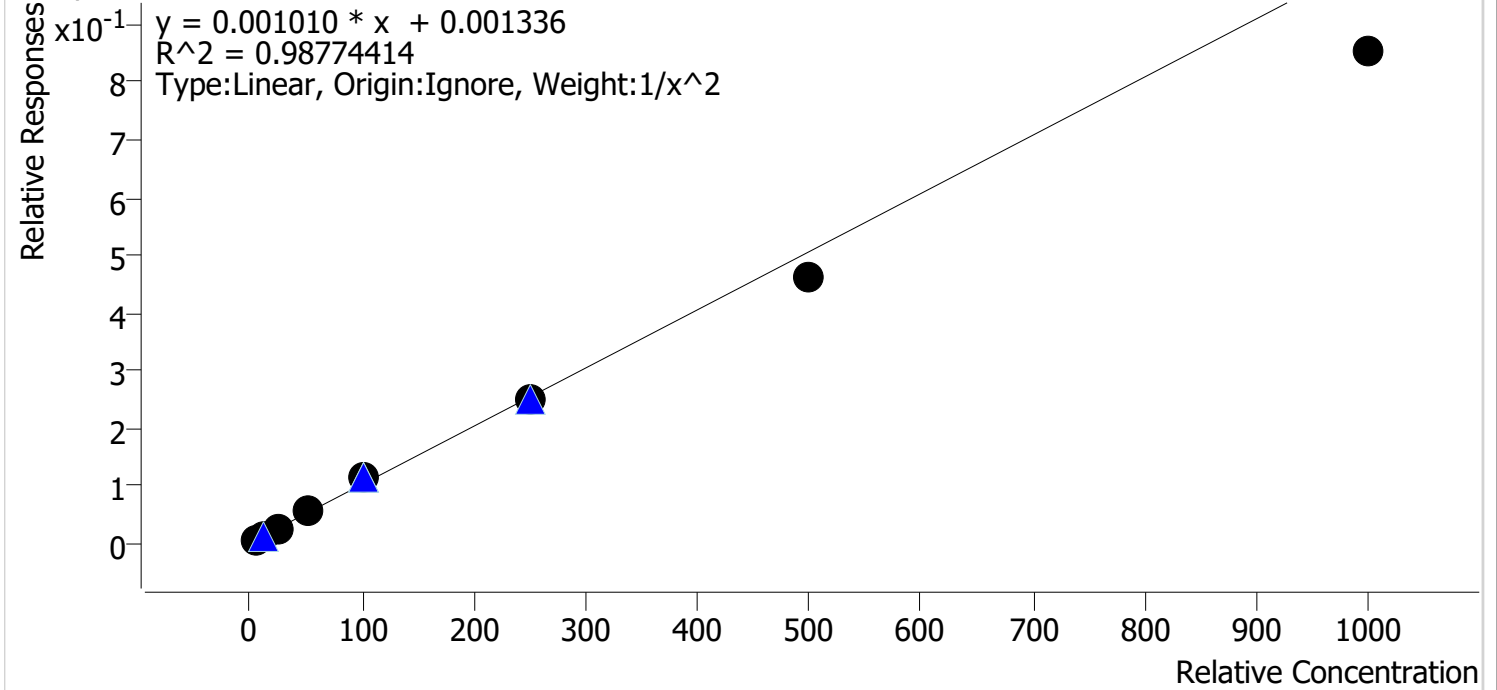
cal 8 does not meet accuracy requirement.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Pseudoephedrine-D3

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



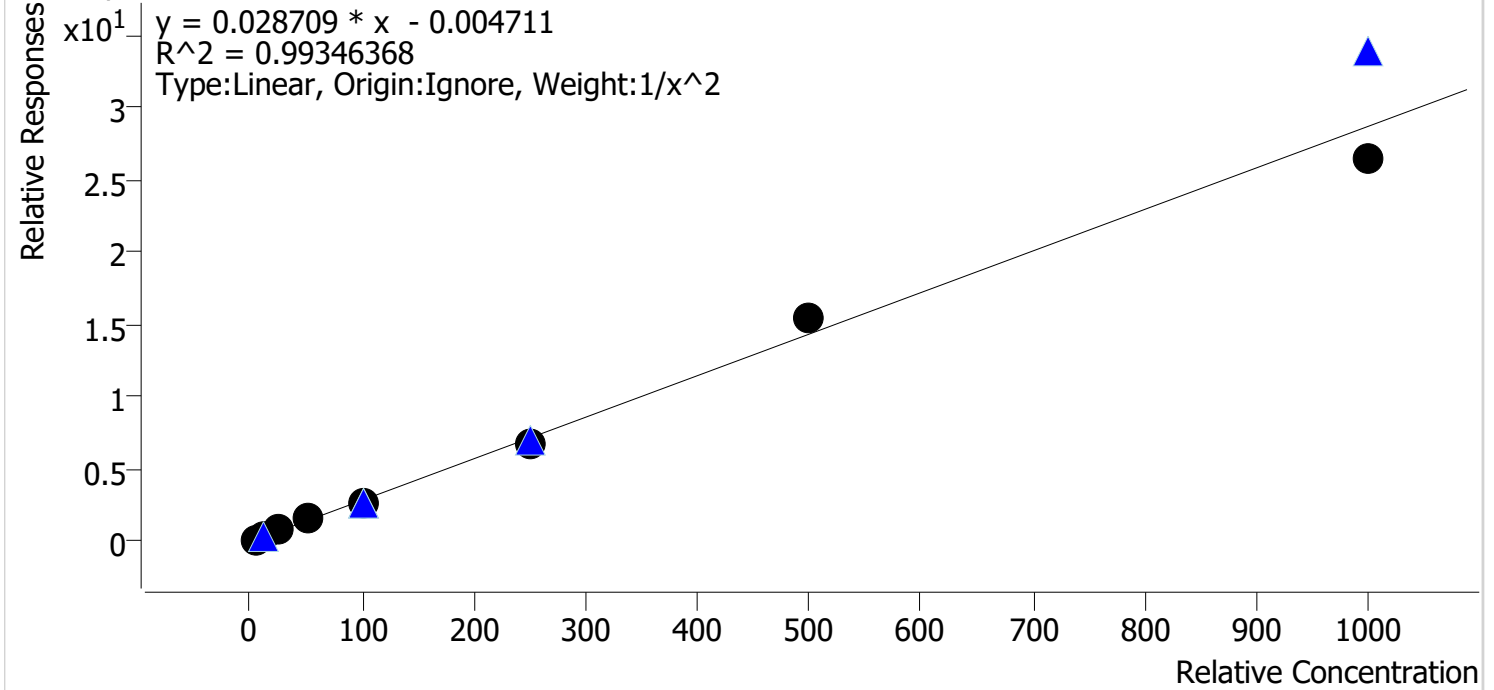
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	56.8	113.5
cal 5 mdq	5	✓	100.0	110.7	110.7
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	454.8	91.0
cal 8 mdq	8	✓	1000.0	843.7	84.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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



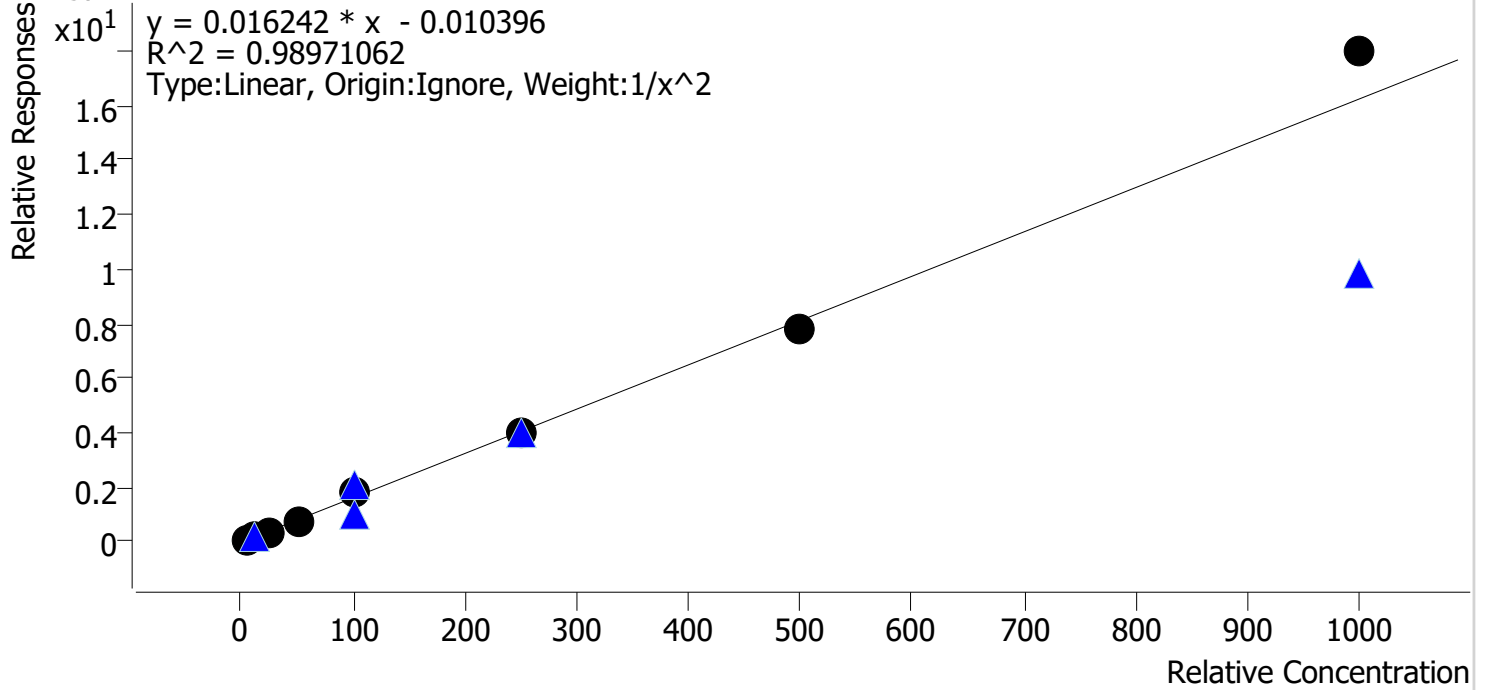
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.2
cal 2 mdq	2	✓	10.0	9.4	94.1
cal 3 mdq	3	✓	25.0	26.4	105.7
cal 4 mdq	4	✓	50.0	54.7	109.5
cal 5 mdq	5	✓	100.0	94.5	94.5
cal 6 mdq	6	✓	250.0	236.9	94.8
cal 7 mdq	7	✓	500.0	540.9	108.2
cal 8 mdq	8	✓	1000.0	920.5	92.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Fluoxetine-D6

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



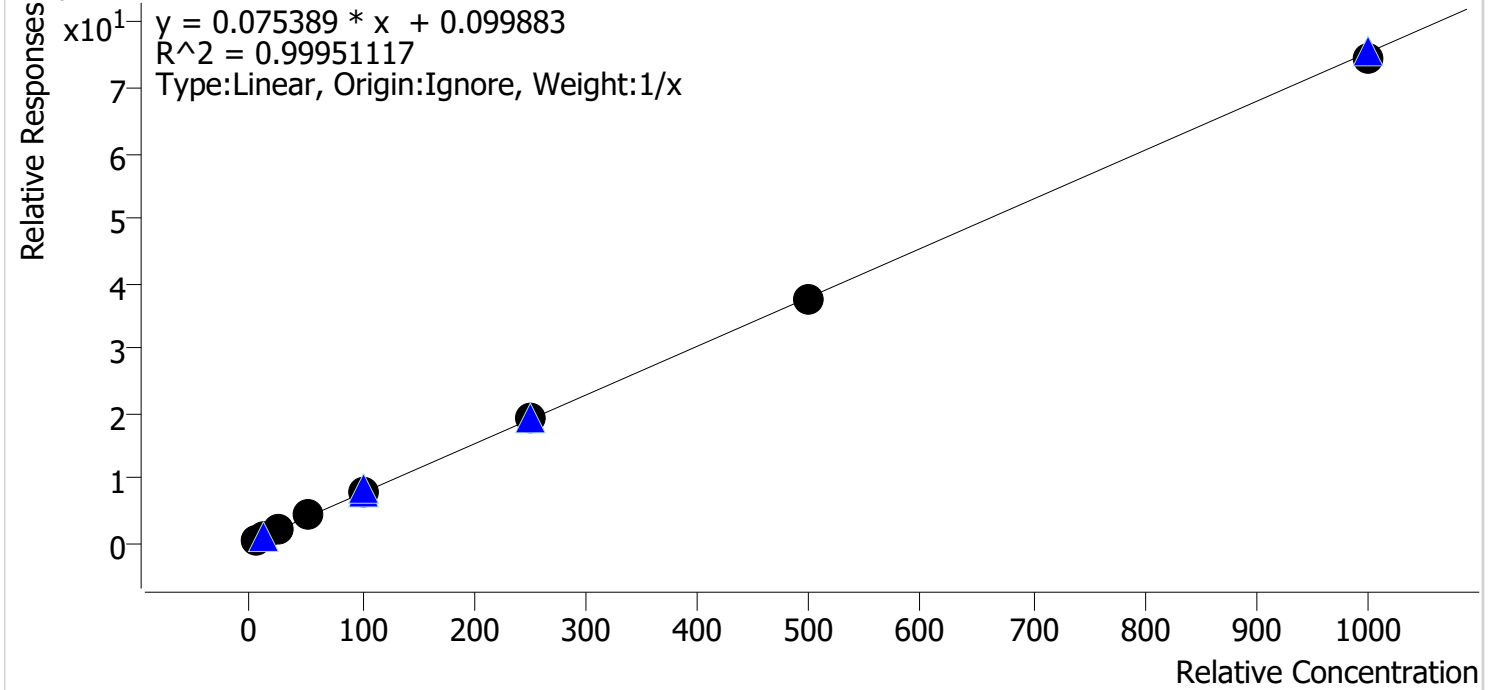
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.9
cal 2 mdq	2	✓	10.0	9.5	94.5
cal 3 mdq	3	✓	25.0	22.2	89.0
cal 4 mdq	4	✓	50.0	46.8	93.6
cal 5 mdq	5	✓	100.0	113.9	113.9
cal 6 mdq	6	✓	250.0	244.6	97.9
cal 7 mdq	7	✓	500.0	477.6	95.5
cal 8 mdq	8	✓	1000.0	1107.0	110.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

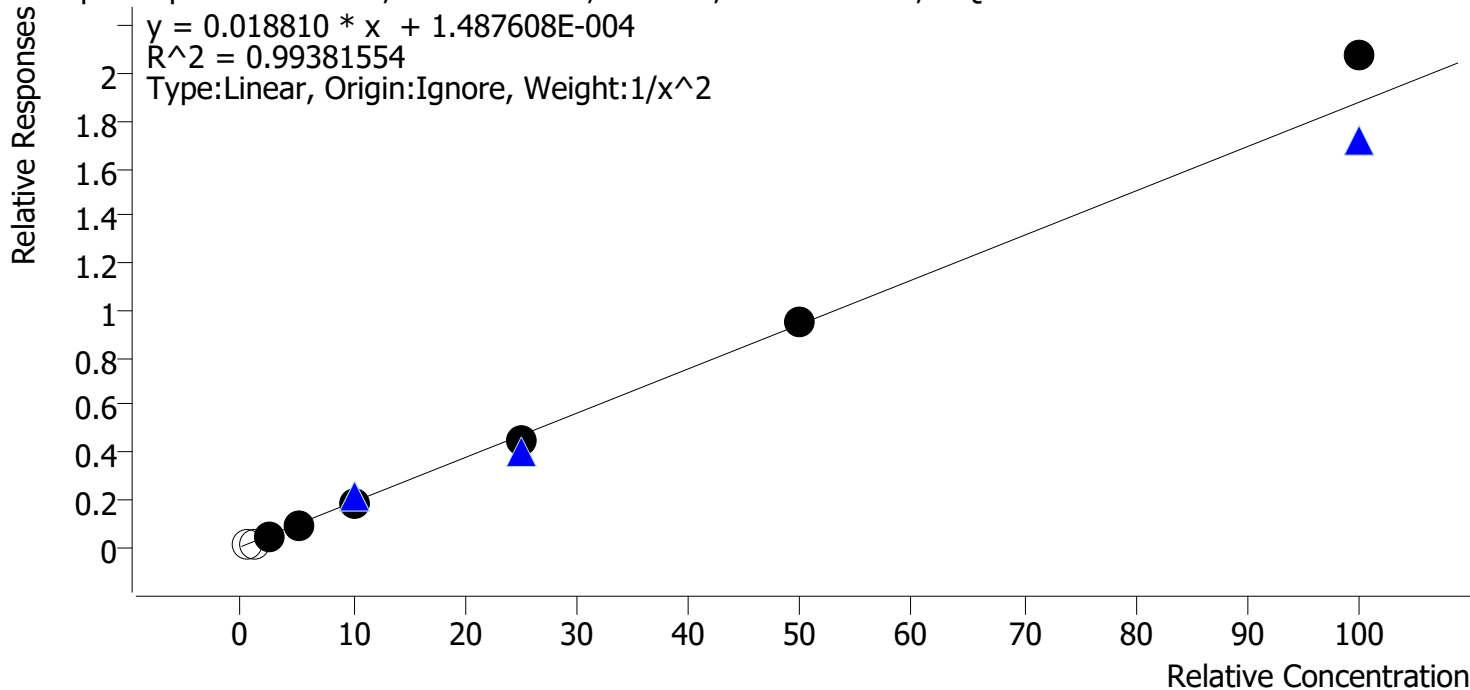


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.1
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	105.5	105.5
cal 6 mdq	6	✓	250.0	256.7	102.7
cal 7 mdq	7	✓	500.0	497.0	99.4
cal 8 mdq	8	✓	1000.0	988.7	98.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.6	124.4
cal 2 mdq	2	x	1.0	0.6	63.3
cal 3 mdq	3	✓	2.5	2.6	102.5
cal 4 mdq	4	✓	5.0	5.0	99.1
cal 5 mdq	5	✓	10.0	9.3	92.7
cal 6 mdq	6	✓	25.0	23.6	94.6
cal 7 mdq	7	✓	50.0	50.3	100.6
cal 8 mdq	8	✓	100.0	110.5	110.5

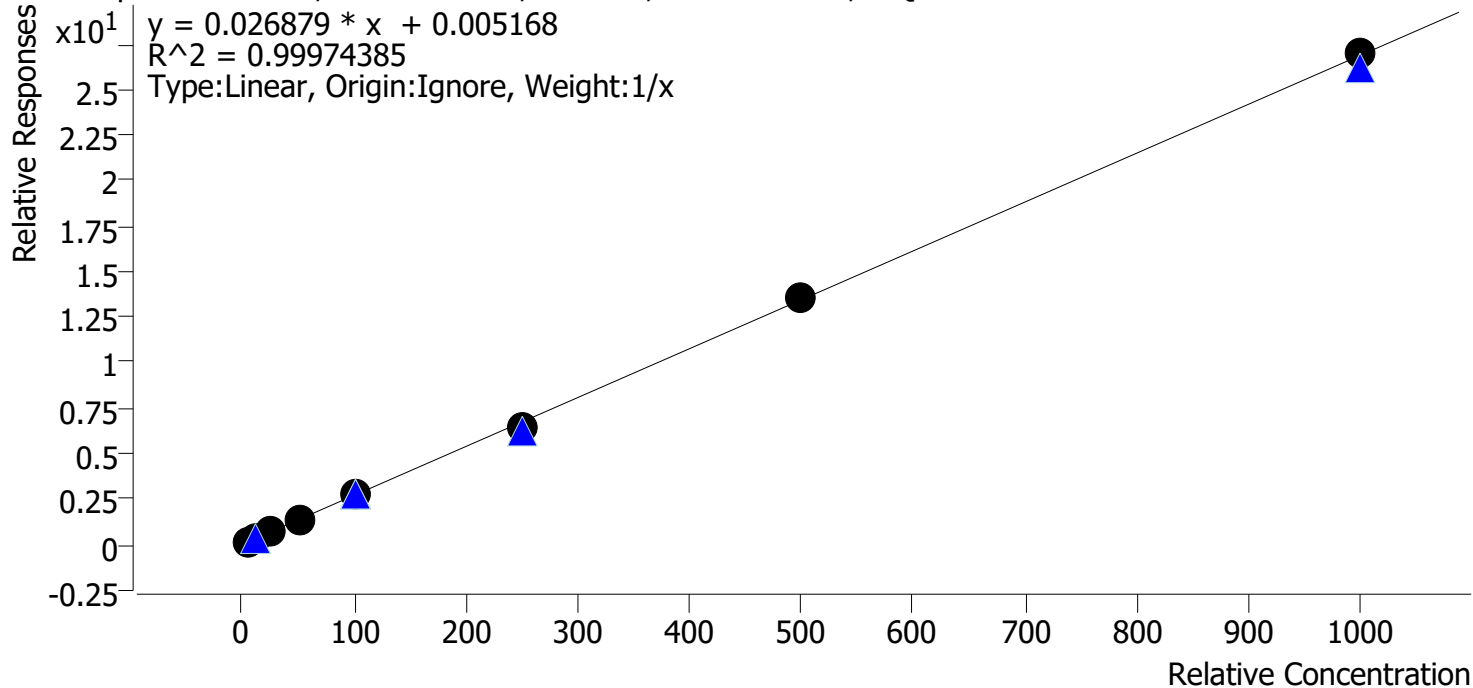
cal 1 and cal 2 do not meet ratio requirements

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



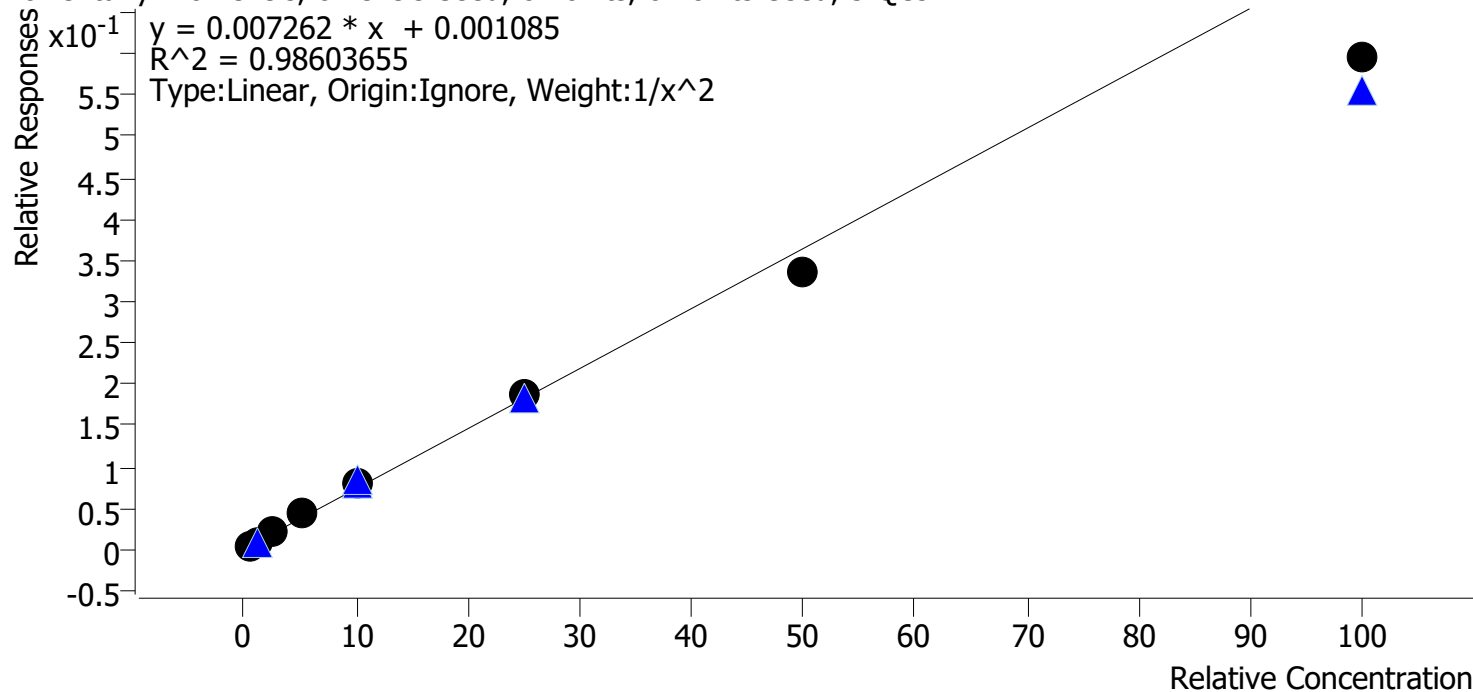
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.0	96.2
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	241.7	96.7
cal 7 mdq	7	✓	500.0	501.5	100.3
cal 8 mdq	8	✓	1000.0	1003.8	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



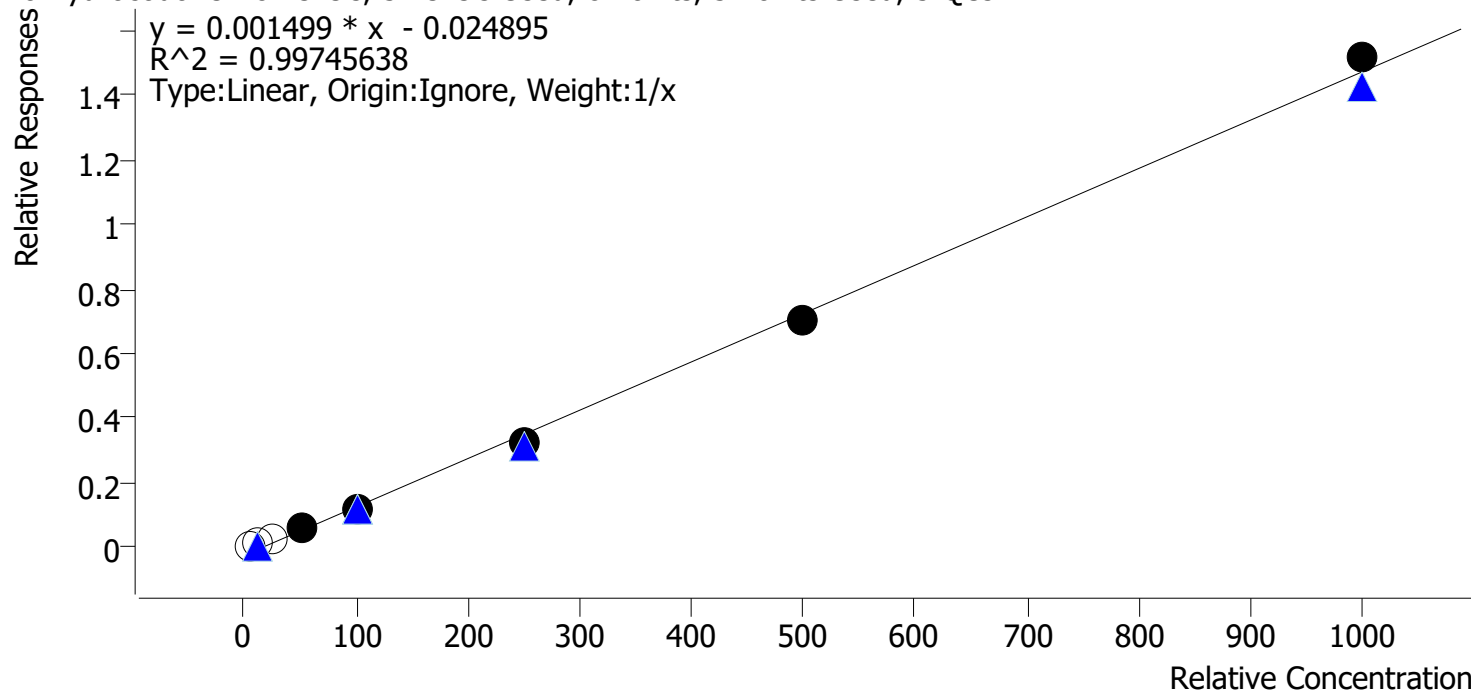
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.4
cal 2 mdq	2	✓	1.0	1.0	95.7
cal 3 mdq	3	✓	2.5	2.6	104.4
cal 4 mdq	4	✓	5.0	5.7	114.6
cal 5 mdq	5	✓	10.0	11.0	109.6
cal 6 mdq	6	✓	25.0	25.6	102.5
cal 7 mdq	7	✓	50.0	46.0	91.9
cal 8 mdq	8	✓	100.0	81.8	81.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

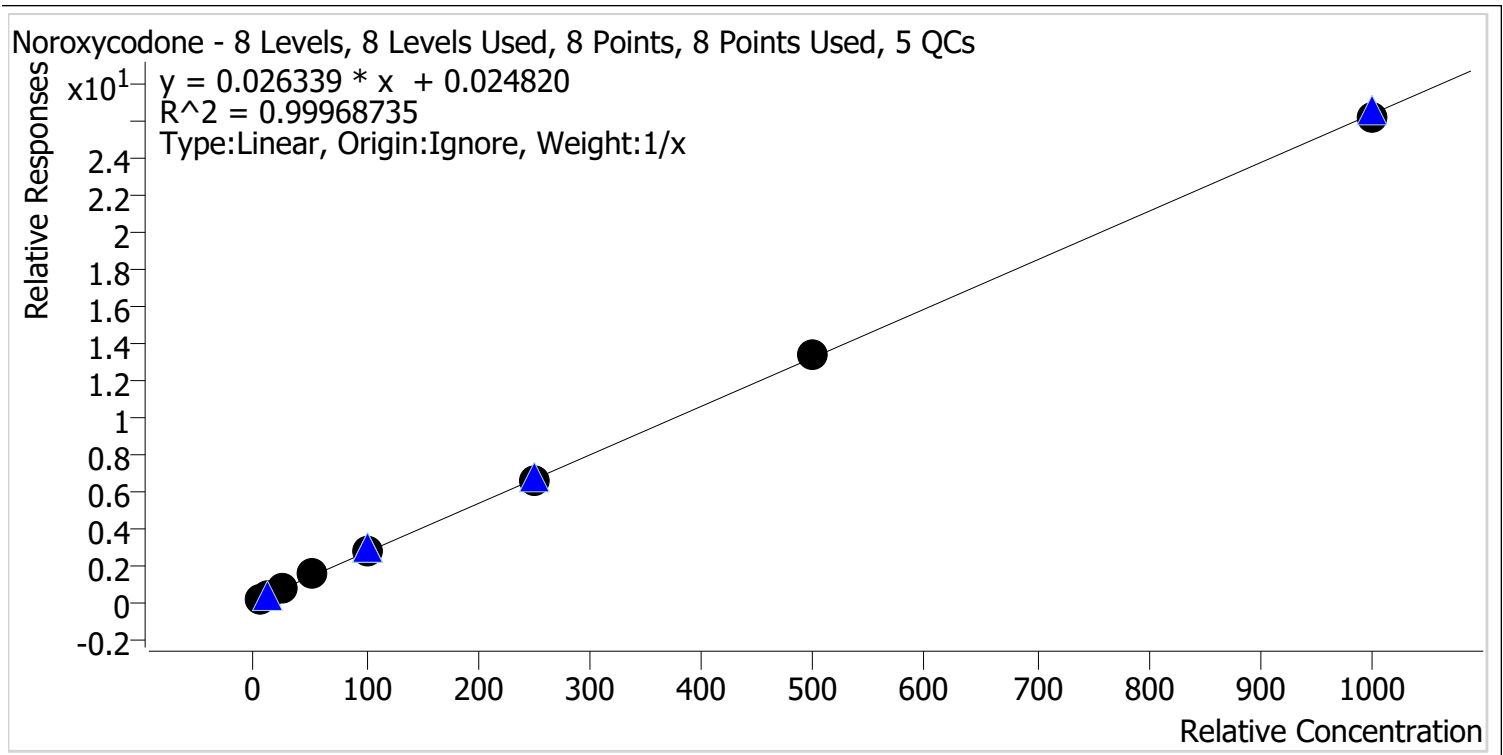


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	19.6	392.1
cal 2 mdq	2	x	10.0	23.1	231.4
cal 3 mdq	3	x	25.0	32.4	129.6
cal 4 mdq	4	✓	50.0	55.1	110.2
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	232.4	92.9
cal 7 mdq	7	✓	500.0	486.4	97.3
cal 8 mdq	8	✓	1000.0	1029.5	103.0

cal 1,2 3 do not meet ratio requirements

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



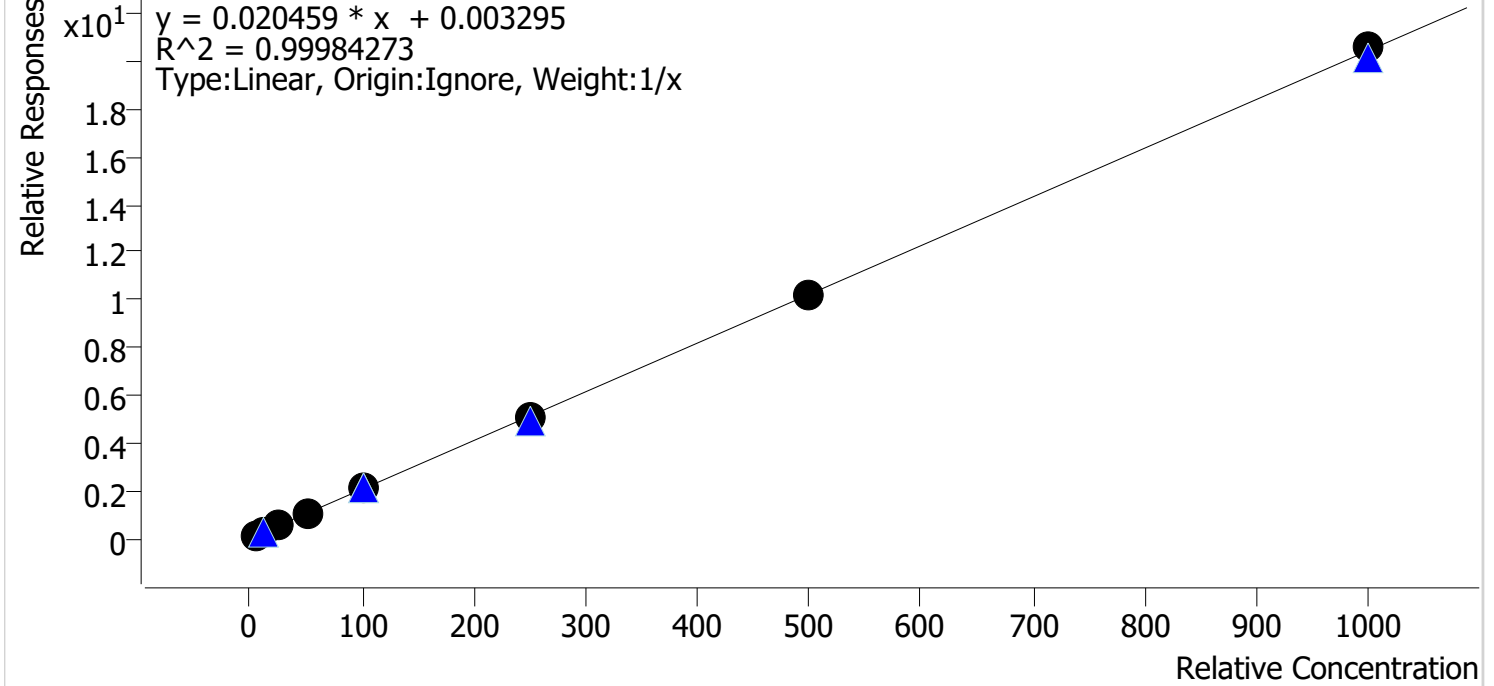
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	9.7	97.1
cal 3 mdq	3	✓	25.0	24.2	96.6
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	246.4	98.5
cal 7 mdq	7	✓	500.0	503.1	100.6
cal 8 mdq	8	✓	1000.0	994.6	99.5

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



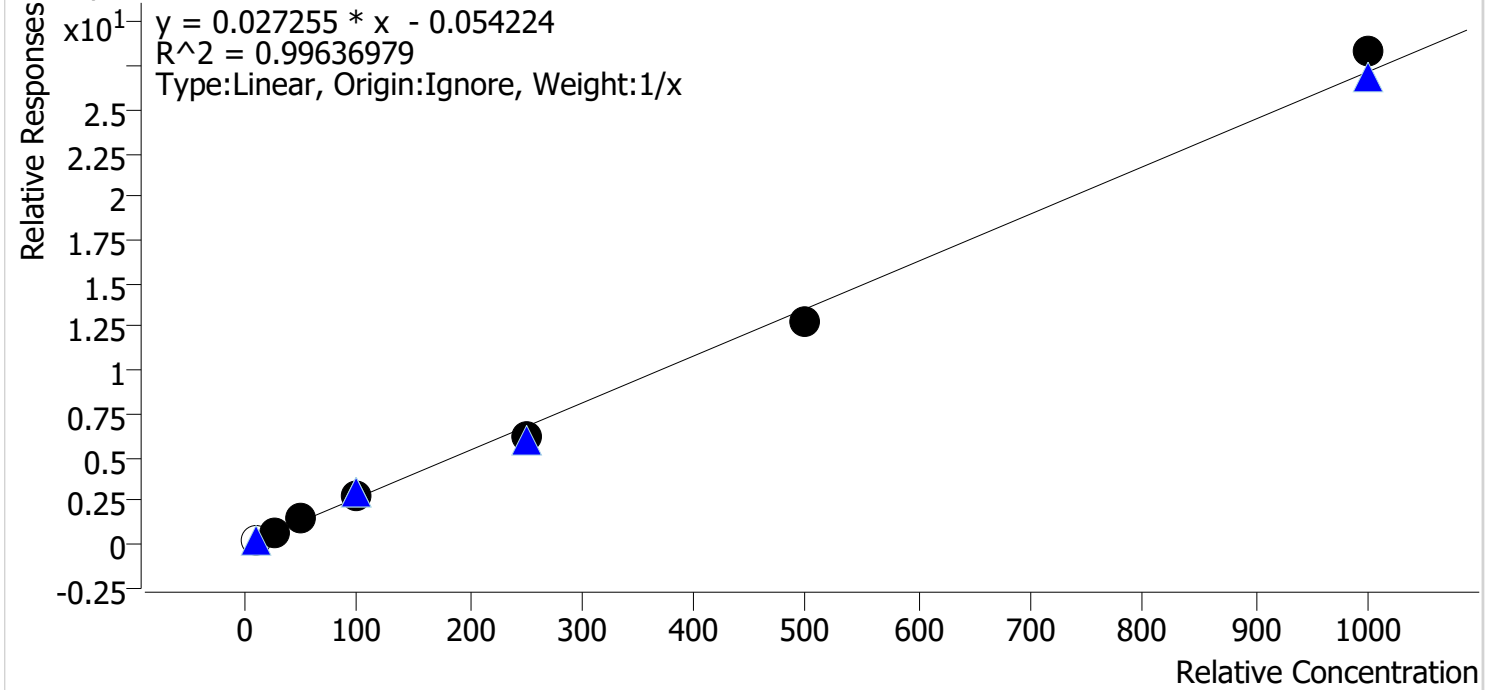
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	244.8	97.9
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	1007.2	100.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2 mdq	2	x	10.0	13.5	134.8
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	231.1	92.4
cal 7 mdq	7	✓	500.0	470.3	94.1
cal 8 mdq	8	✓	1000.0	1042.5	104.3

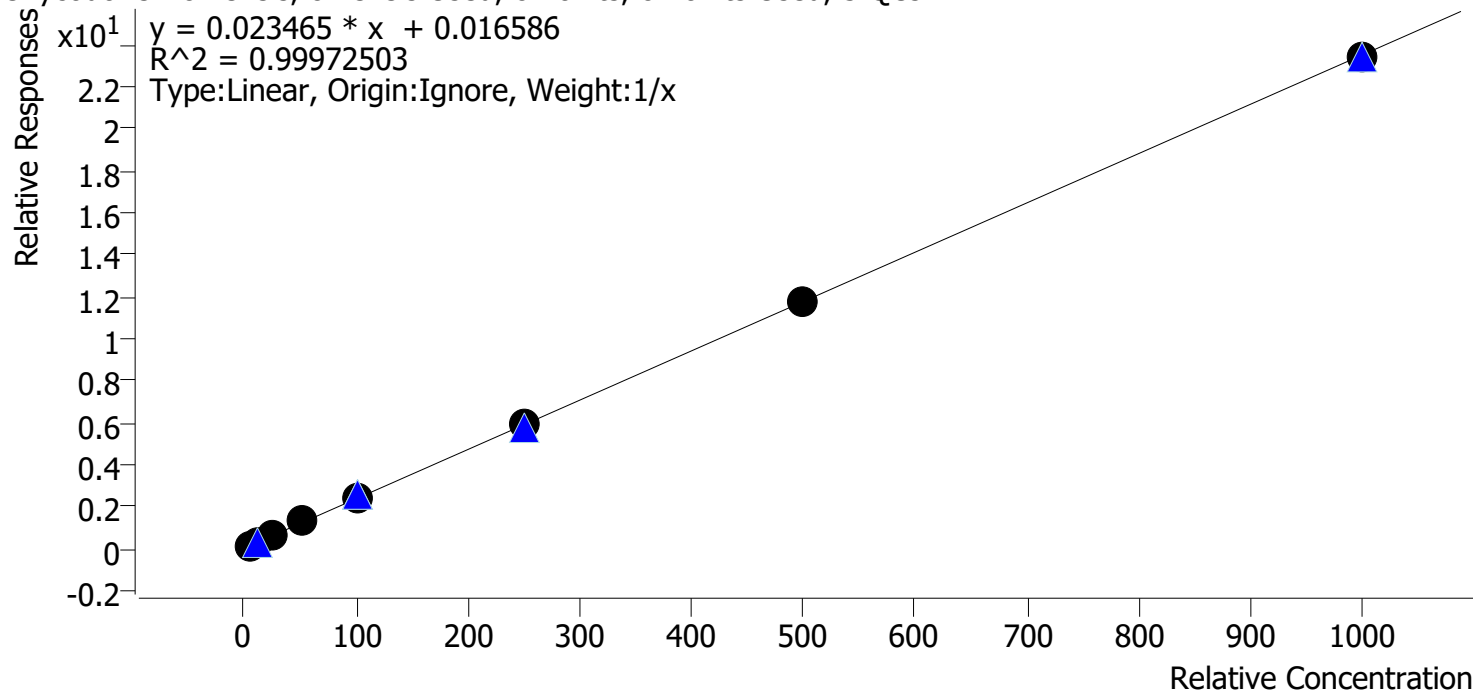
no significant peaks detected for cal 1, cal 2 dropped the 10 ng control did not meet signal to noise requirements.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



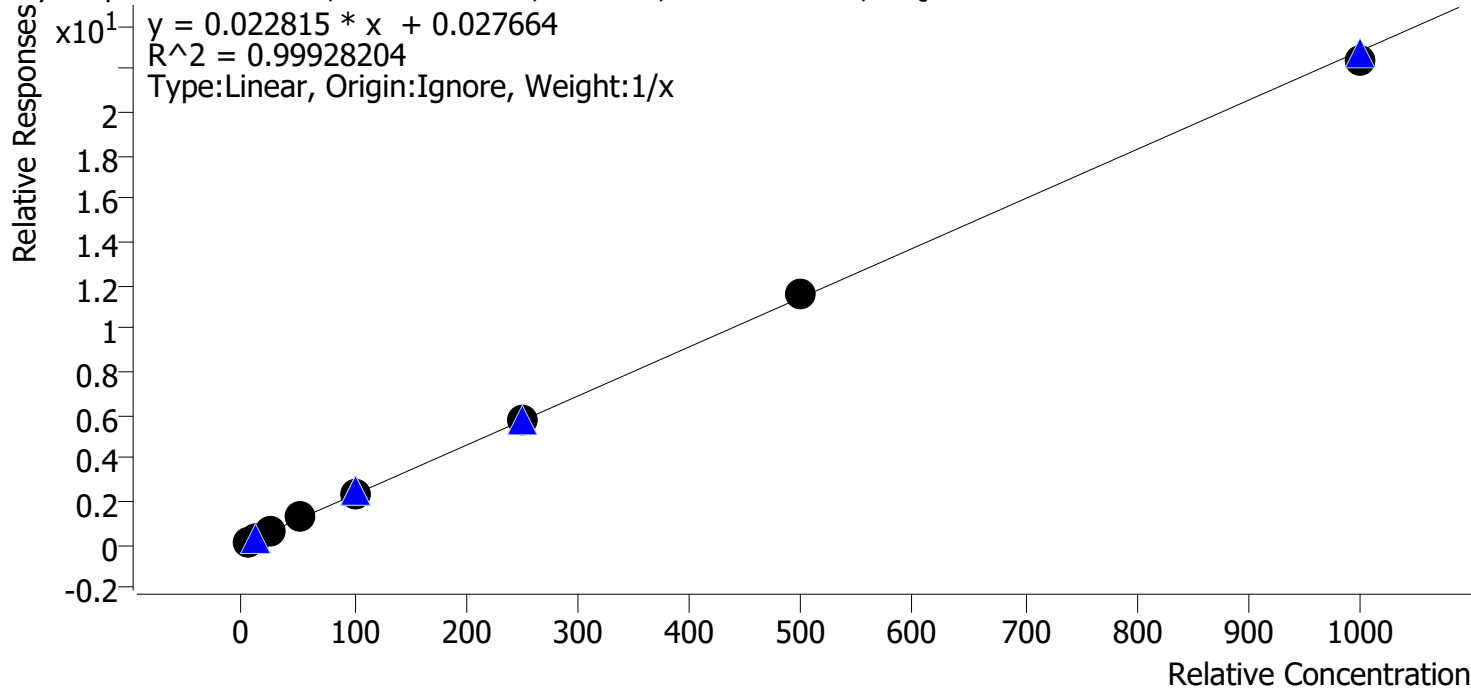
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	9.5	95.0
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	53.7	107.5
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	994.7	99.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



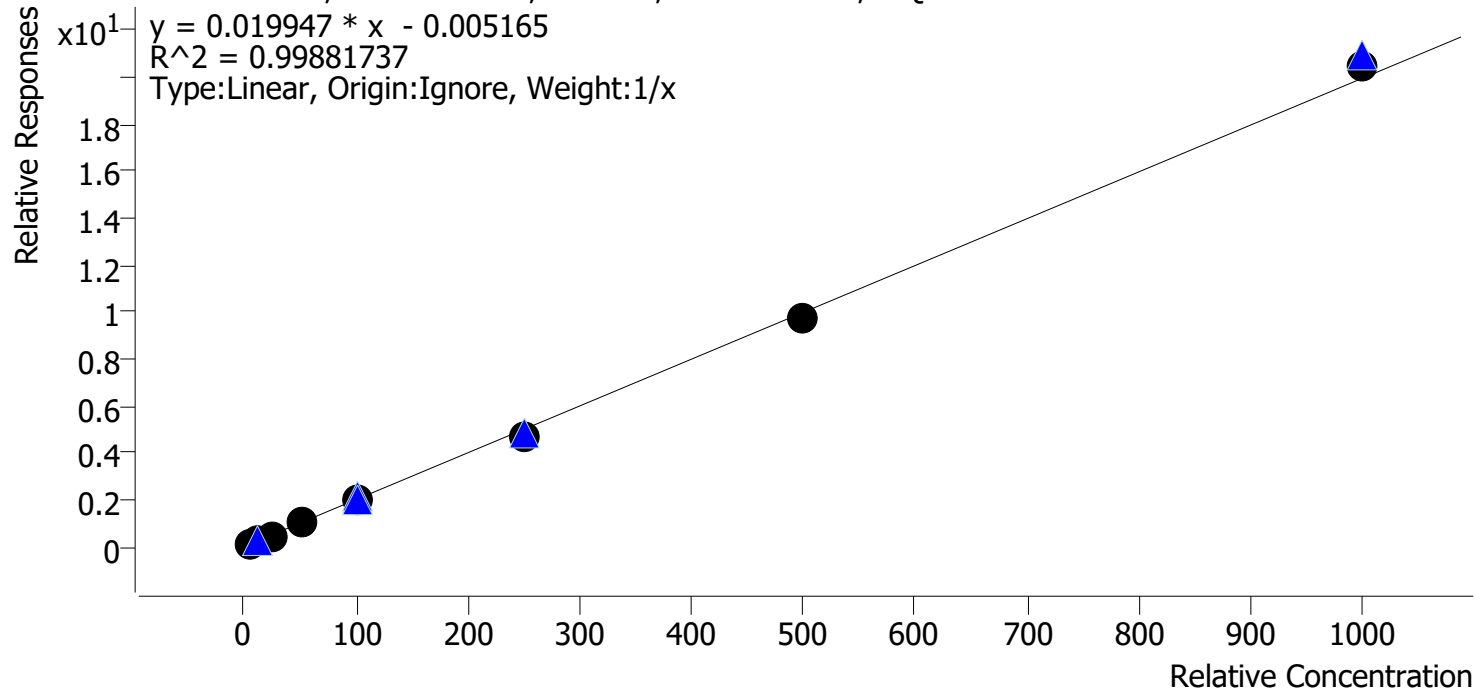
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.1
cal 2 mdq	2	✓	10.0	9.6	95.6
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	54.5	109.1
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	509.2	101.8
cal 8 mdq	8	✓	1000.0	980.2	98.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



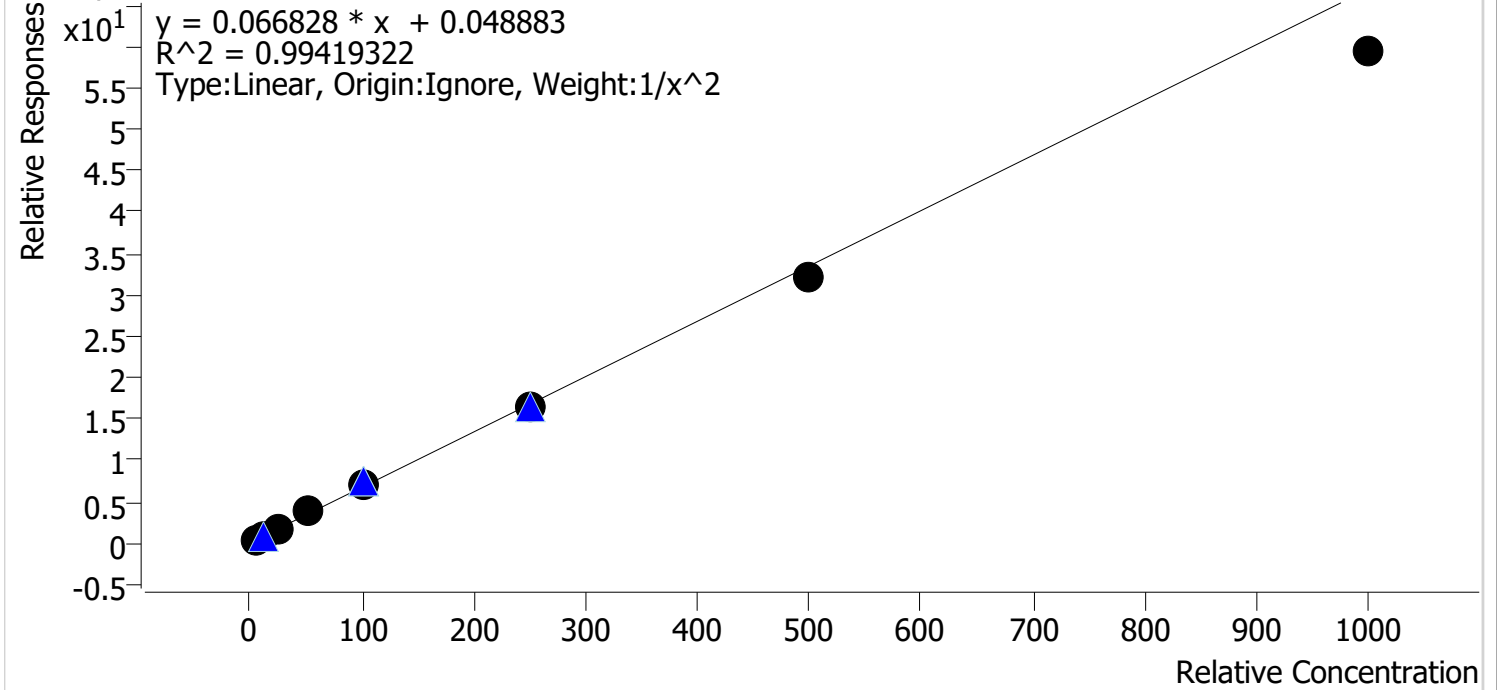
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	111.6
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	23.7	95.0
cal 4 mdq	4	✓	50.0	50.9	101.9
cal 5 mdq	5	✓	100.0	97.0	97.0
cal 6 mdq	6	✓	250.0	237.9	95.2
cal 7 mdq	7	✓	500.0	485.6	97.1
cal 8 mdq	8	✓	1000.0	1029.3	102.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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

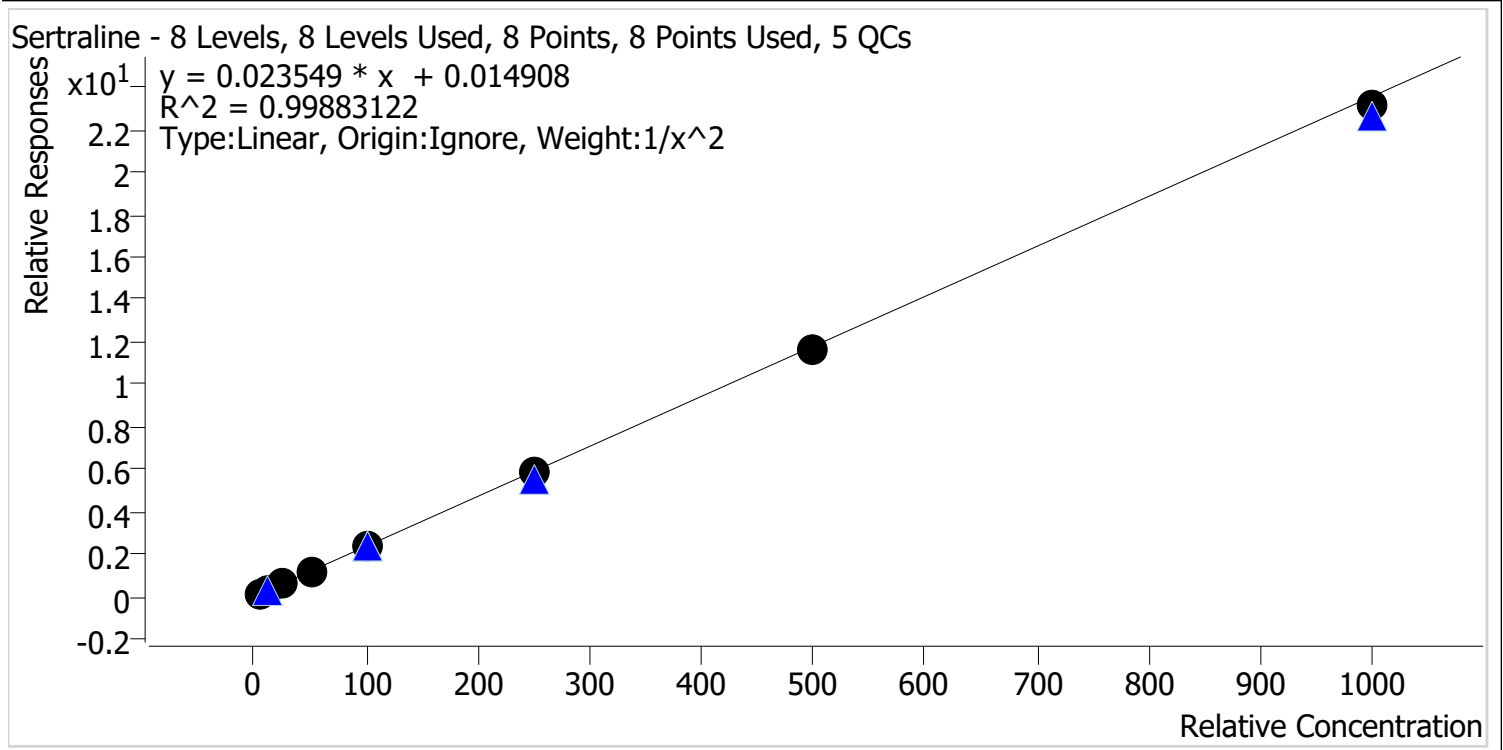


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	25.9	103.7
cal 4 mdq	4	✓	50.0	55.8	111.6
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	482.2	96.4
cal 8 mdq	8	✓	1000.0	887.5	88.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



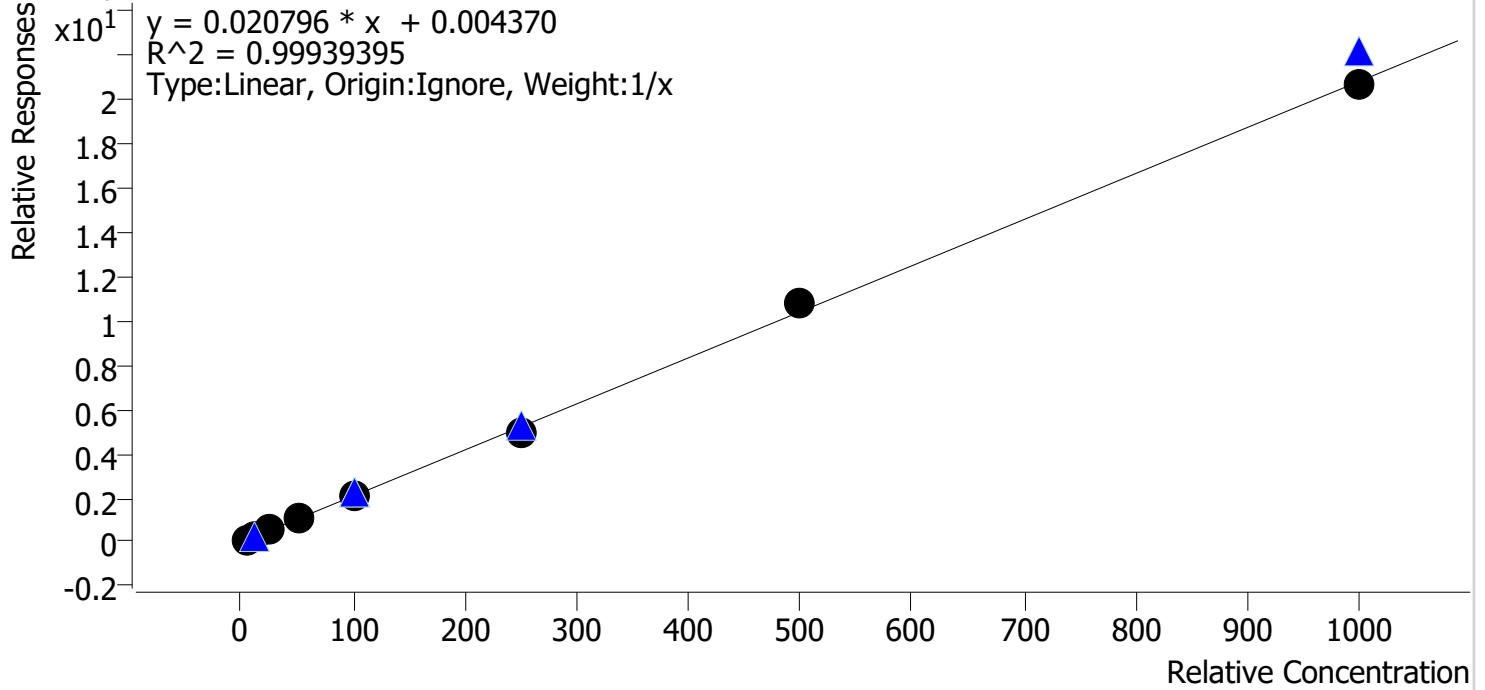
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.5	94.9
cal 3 mdq	3	✓	25.0	24.7	99.0
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	248.0	99.2
cal 7 mdq	7	✓	500.0	497.1	99.4
cal 8 mdq	8	✓	1000.0	981.7	98.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



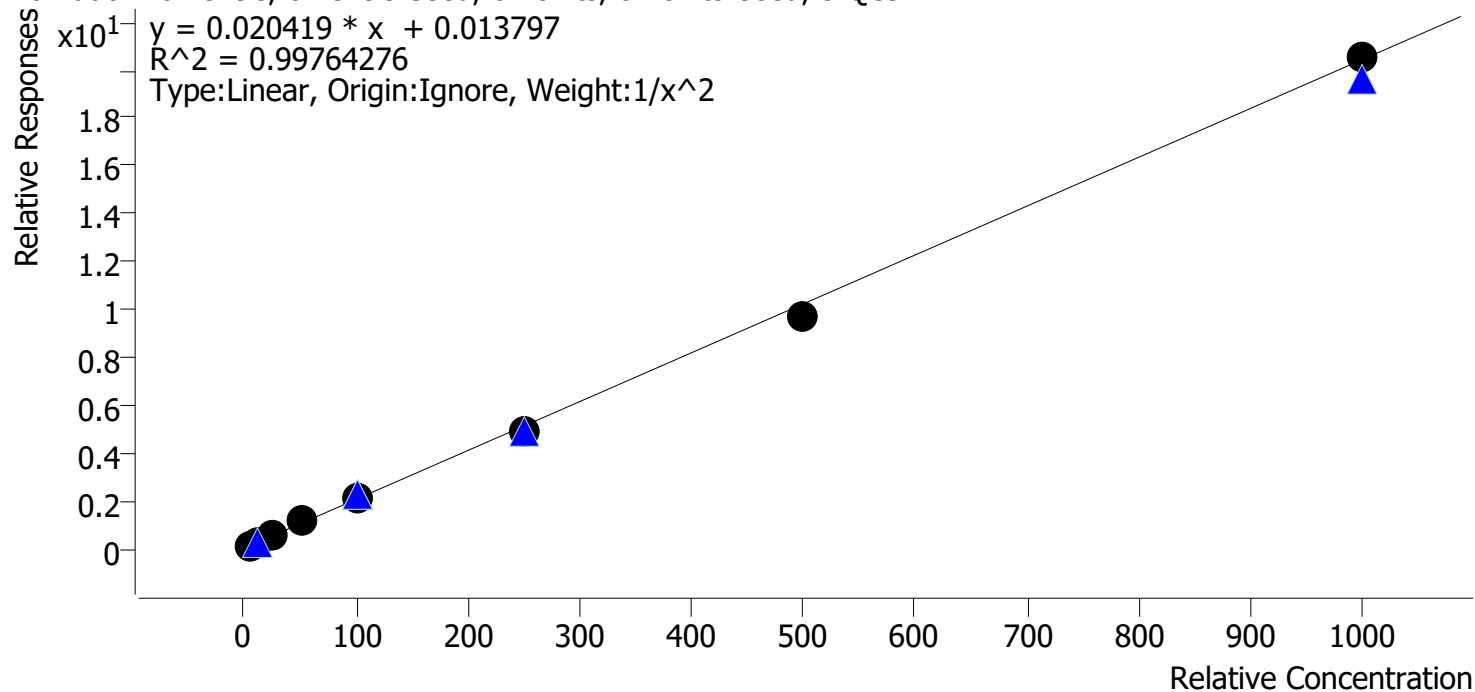
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	240.6	96.2
cal 7 mdq	7	✓	500.0	517.2	103.4
cal 8 mdq	8	✓	1000.0	991.8	99.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



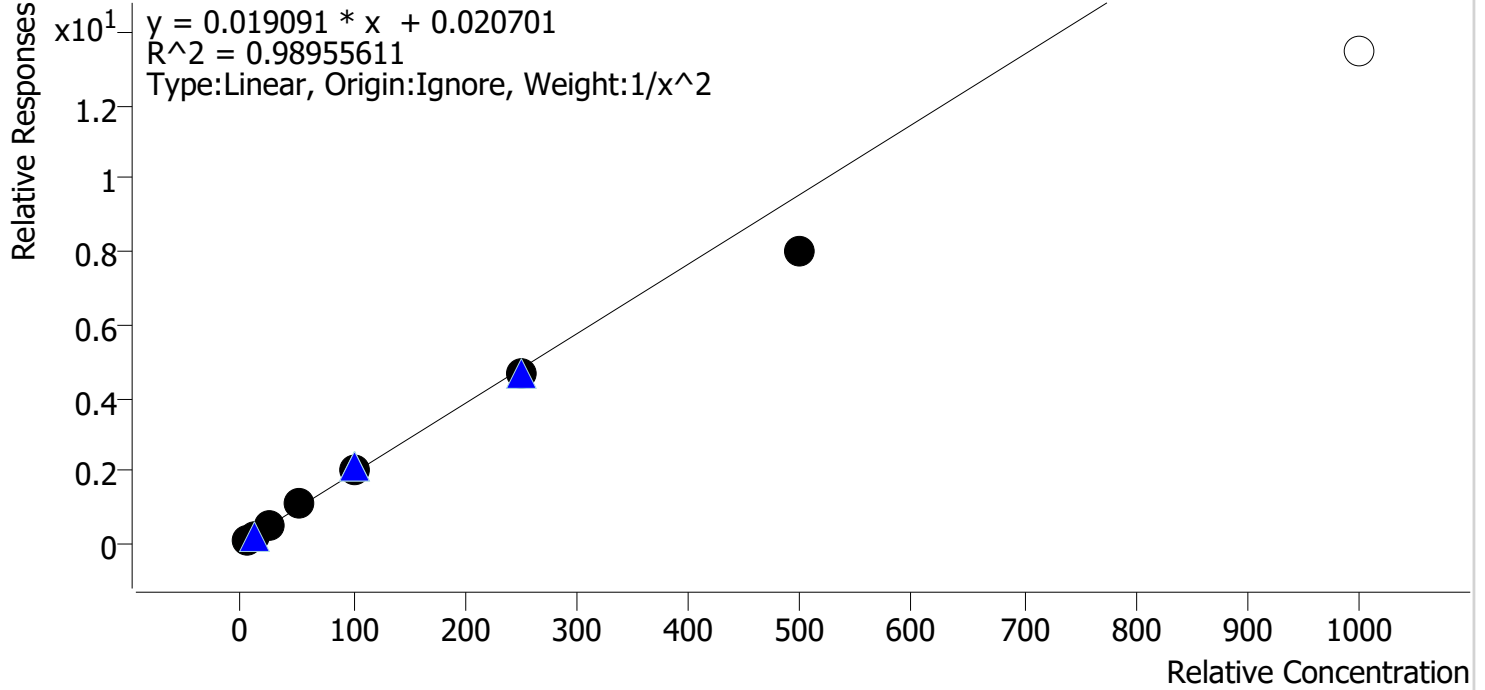
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	53.9	107.9
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	239.1	95.7
cal 7 mdq	7	✓	500.0	470.9	94.2
cal 8 mdq	8	✓	1000.0	1004.1	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	25.6	102.6
cal 4 mdq	4	✓	50.0	56.2	112.5
cal 5 mdq	5	✓	100.0	104.7	104.7
cal 6 mdq	6	✓	250.0	243.8	97.5
cal 7 mdq	7	✓	500.0	420.0	84.0
cal 8 mdq	8	✗	1000.0	704.5	70.4

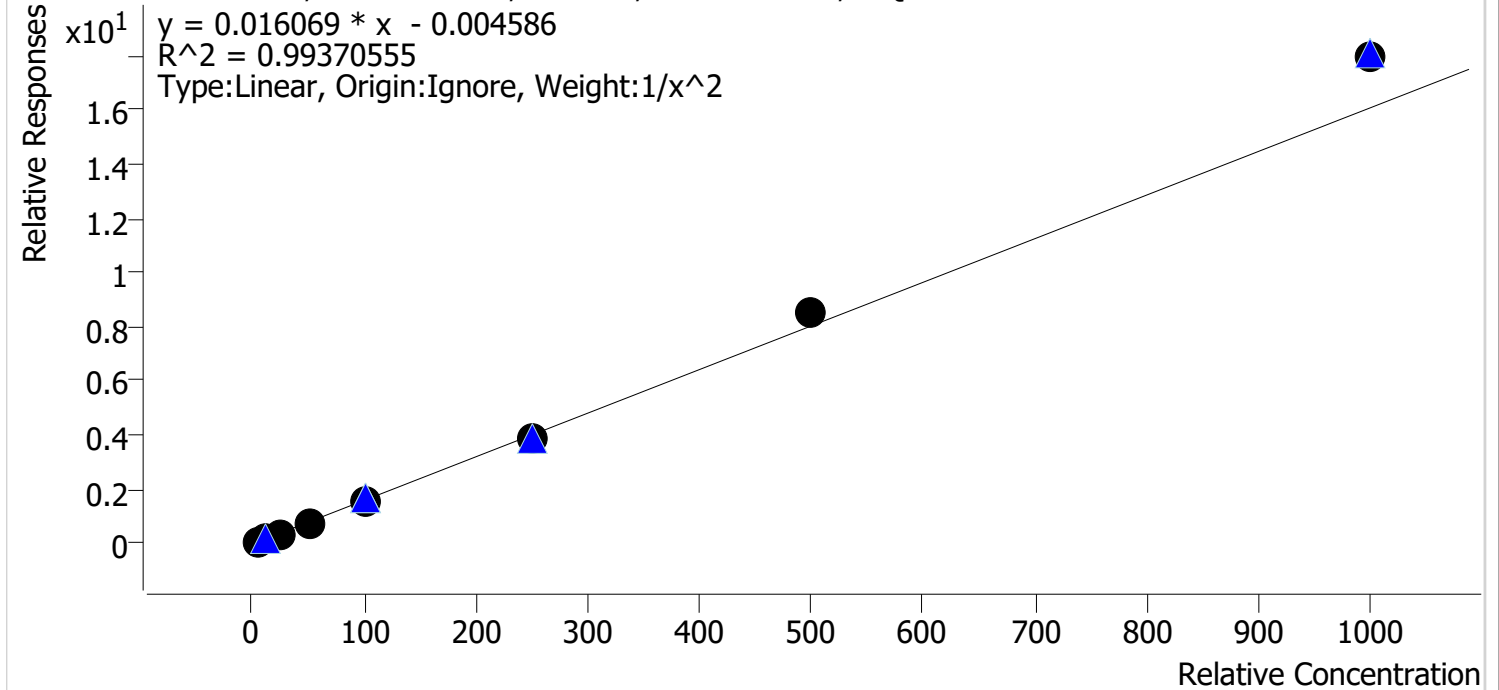
cal 8 does not meet accuracy requirement.

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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

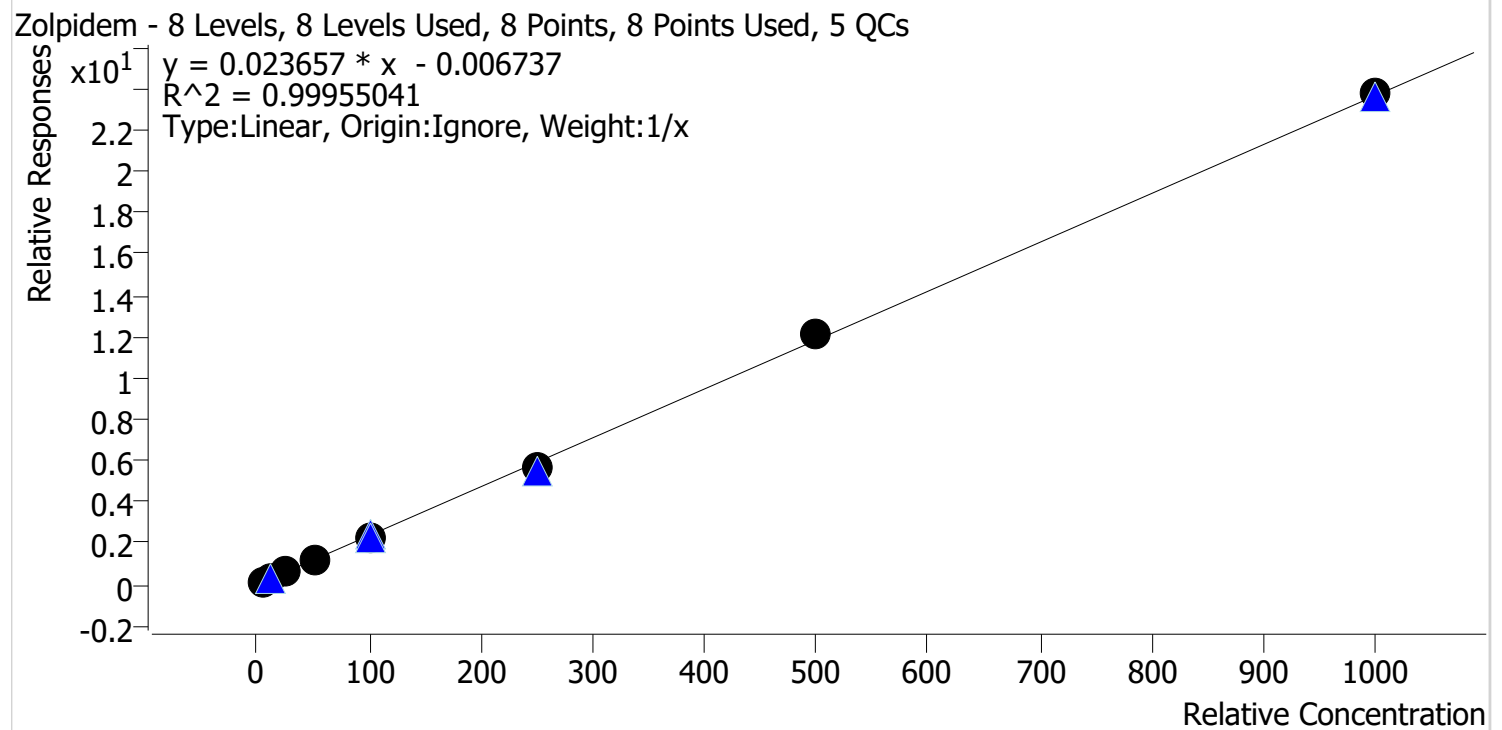


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.4
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	22.9	91.4
cal 4 mdq	4	✓	50.0	49.2	98.5
cal 5 mdq	5	✓	100.0	96.1	96.1
cal 6 mdq	6	✓	250.0	239.6	95.8
cal 7 mdq	7	✓	500.0	534.3	106.9
cal 8 mdq	8	✓	1000.0	1116.7	111.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Last Cal. Update 4/19/2021 10:29 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



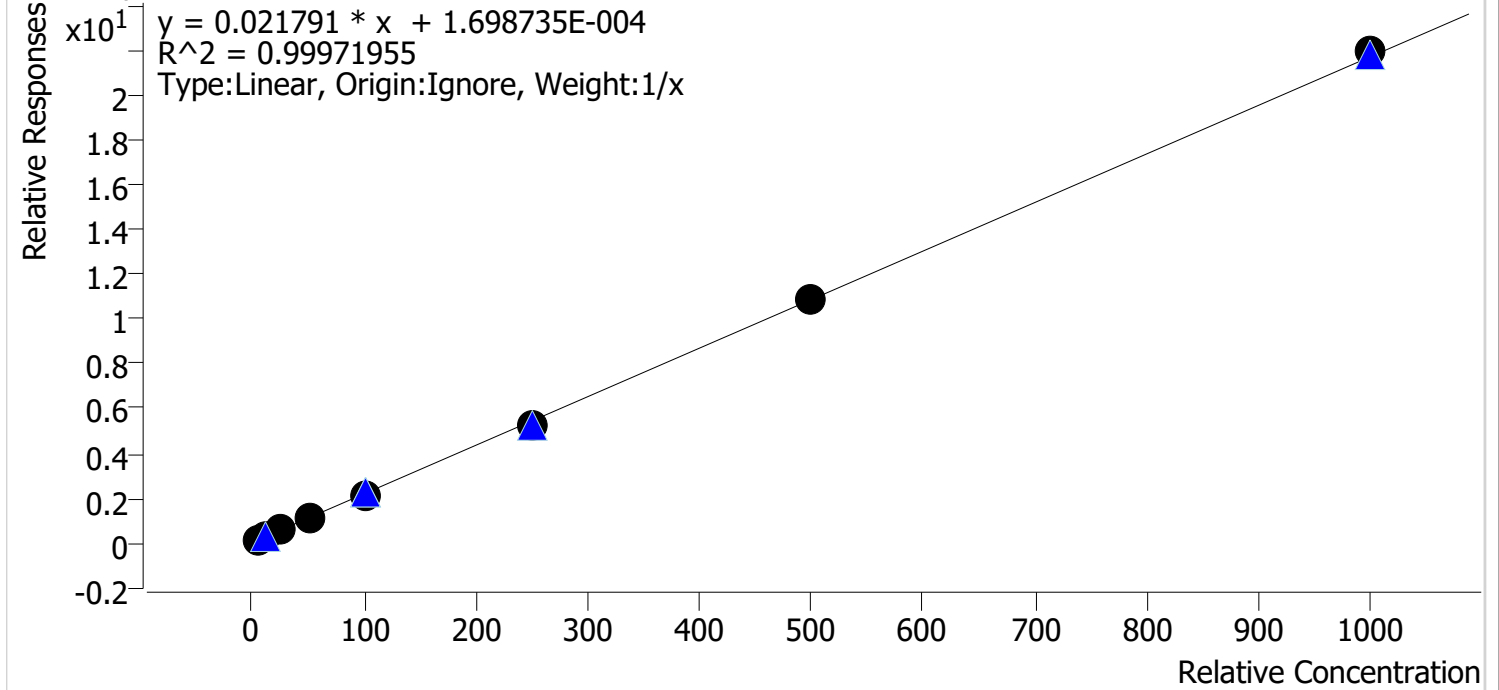
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.9
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	23.6	94.5
cal 4 mdq	4	✓	50.0	50.6	101.1
cal 5 mdq	5	✓	100.0	96.6	96.6
cal 6 mdq	6	✓	250.0	240.6	96.2
cal 7 mdq	7	✓	500.0	508.9	101.8
cal 8 mdq	8	✓	1000.0	1004.4	100.4

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Pseudoephedrine	Internal Standard	Pseudoephedrine-D3

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

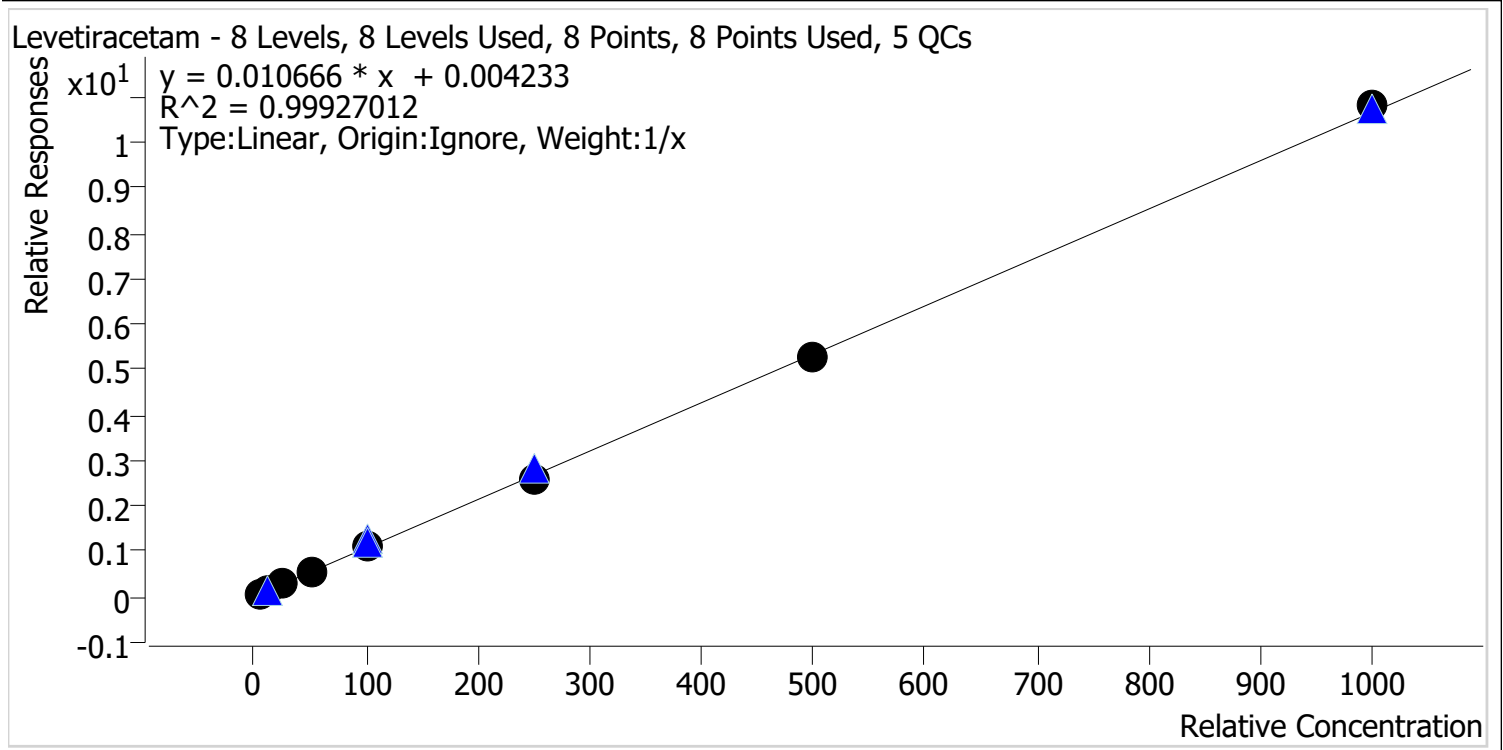


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.5
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	23.8	95.2
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	243.0	97.2
cal 7 mdq	7	✓	500.0	497.3	99.5
cal 8 mdq	8	✓	1000.0	1010.8	101.1

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin		
Last Cal. Update	4/19/2021 10:29 AM		
Analyst Name	ISP\datastor		
Analyte	Levetiracetam	Internal Standard	Amphetamine-D11



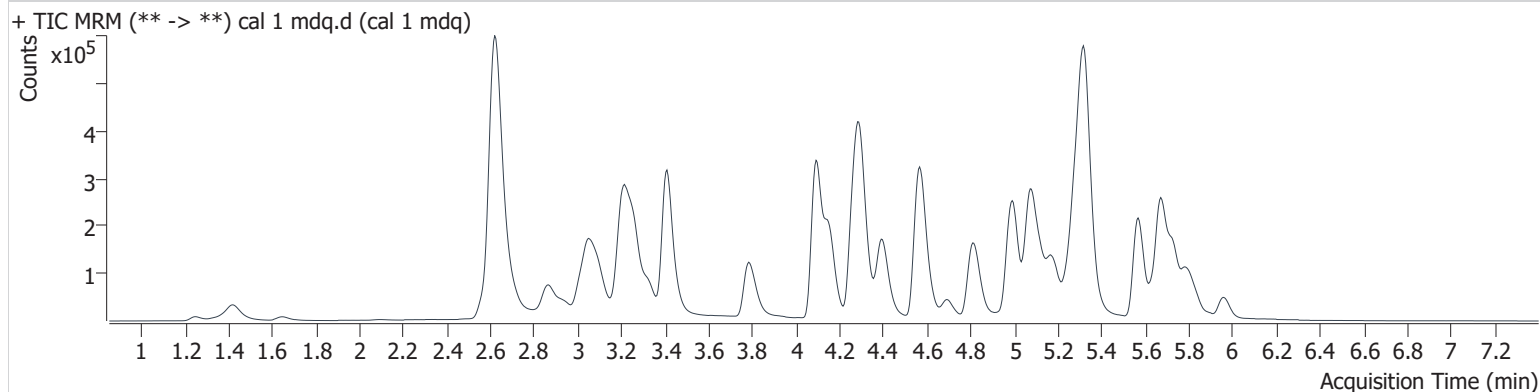
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.0
cal 2 mdq	2	✓	10.0	9.4	94.0
cal 3 mdq	3	✓	25.0	23.4	93.7
cal 4 mdq	4	✓	50.0	53.0	106.1
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	238.9	95.5
cal 7 mdq	7	✓	500.0	492.3	98.5
cal 8 mdq	8	✓	1000.0	1013.8	101.4

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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 4/15/2021 11:21:32 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.191	1323	∞	117.8	1407.4	54905	0.528 ng/ml
7-aminoclonazepam	4.318	6893	809.1	71.6	∞	50295	5.080 ng/ml
a-hydroxyalprazolam	5.717	892	4088.6	68.4	3087.3	7202	5.257 ng/ml
alpha-PHP	4.971	47003	77638.1	40.1	8027.9	555700	4.917 ng/ml
alpha-PVP	4.408	62395	1539806.4	51.7	2849.9	492189	5.327 ng/ml
Alprazolam	5.796	23717	∞	85.1	∞	158582	5.288 ng/ml
Amphetamine	3.103	111087	1447.6	43.9	1178.4	347269	4.897 ng/ml
Benzoylcegonine	3.926	1093	1617.9	10.3 Low	∞	6366	5.580 ng/ml
Buprenorphine	5.762	941	∞	14.4	∞	51729	0.587 ng/ml
Bupropion	4.831	60432	∞	69.0	16028.5	555700	5.615 ng/ml
Carisoprodol	5.751	15055	∞	62.4	618.4	112644	4.766 ng/ml
Citalopram	5.258	44515	808.8	39.5	22179.2	369842	5.115 ng/ml
Clonazepam	5.634	2313	∞	26.8	1149.0	7202	5.134 ng/ml
Clonazolam	5.586	4854	35710.4	41.8	4730.0	158582	5.033 ng/ml
Cocaine	4.296	48506	107635.1	47.6	∞	749562	5.093 ng/ml
Codeine	2.654	8202	163890.2	80.5	32240.9	66643	5.237 ng/ml
Cyclobenzaprine	5.647	35751	43579.5	10.7	∞	227046	5.074 ng/ml
Dextromethorphan	5.307	31829	4307.3	75.5	41268.2	269365	4.994 ng/ml
Dextrophan	4.154	47067	172924.8	44.1	17516.0	474319	5.201 ng/ml
Diazepam	5.968	14790	∞	86.8	3483.5	128674	5.169 ng/ml
Dihydrocodeine	2.608	19605	2781.6	54.8	187.1	208966	4.844 ng/ml
Diphenhydramine	5.329	143585	17263.9	31.3	∞	1312197	5.654 ng/ml
Doxylamine	4.582	139661	260126.2	81.1	3995.9	1055714	5.075 ng/ml
EDDP	5.291	74672	∞	43.6	36330.6	658979	5.378 ng/ml
Etizolam	5.826	11212	12039.2	23.2	18457.9	128674	5.027 ng/ml
Fentanyl	5.149	3131	11792.4	136.4	4895.9	291491	0.566 ng/ml
Flualprazolam	5.727	10216	∞	99.7	41905.1	158582	5.156 ng/ml
Fluoxetine	5.728	29916	44579.0	7.0	3574.8	206648	5.043 ng/ml
Hydrocodone	3.085	18816	279.1	38.9	∞	426730	4.429 ng/ml
Hydromorphone	1.648	19599	3086.1	69.8	3453.1	8896	5.520 ng/ml
Ketamine	4.114	44419	∞	38.1	1012.8	416894	4.197 ng/ml
Lamotrigine	4.340	4512	29981.9	77.5	11251.7	361333	5.028 ng/ml
Levetiracetam	2.702	21286	686.7	220.1	16054.3	347269	5.350 ng/ml



AM #28 Multi-Drug Quant. Results

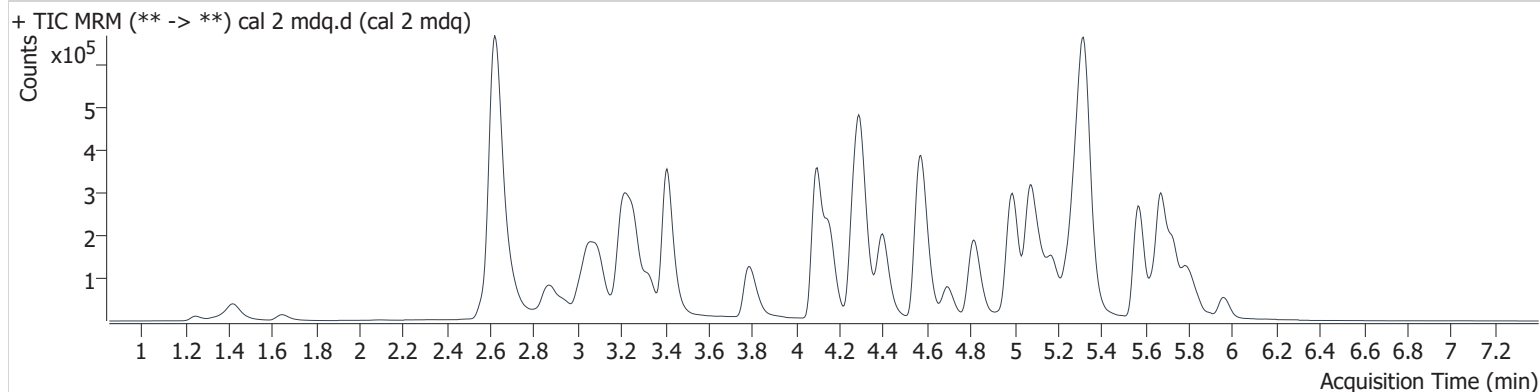
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.245	57198	∞	26.1	107.1	361333	4.900 ng/ml
MDMA	3.333	44249	∞	103.2	∞	94364	5.304 ng/ml
Methadone	5.676	67922	25463.1	53.8	54718.2	629451	5.172 ng/ml
Methamphetamine	3.267	87553	744.4	246.5	∞	755941	5.183 ng/ml
Metoprolol	4.360	13890	∞	90.0	∞	2227319	4.853 ng/ml
Mirtazapine	4.696	88473	114476.5	48.5	76578.1	629451	5.060 ng/ml
Mitragynine	5.273	15461	522.4	29.3	∞	206648	5.246 ng/ml
Morphine	1.256	3942	2243.9	18.7	∞	8896	4.553 ng/ml
Norbuprenorphine	5.045	82	88.3	115.5 High	9.5 Low	6882	0.622 ng/ml
Nordiazepam	5.912	2621	∞	58.4	33.4	18514	5.075 ng/ml
Norfentanyl	4.114	3572	265.0	36.5	∞	760651	0.497 ng/ml
Norhydrocodone	3.101	435	59.5	516.9 High	587.7	96790	19.607 ng/ml
Noroxycodone	2.961	14103	879.3	47.1	∞	92787	4.828 ng/ml
O-desmethyl-tramadol	3.414	106662	214410.5	6.0	∞	980528	5.156 ng/ml
Oxycodone	2.894	37197	3310.3	28.9	∞	287321	4.810 ng/ml
Oxymorphone	1.424	23494	∞	43.9	∞	176992	4.606 ng/ml
Promethazine	5.573	45127	∞	39.7	1397.9	424974	5.582 ng/ml
Pseudoephedrine	2.631	261139	4206.7	24.4	3561.9	2227319	5.373 ng/ml
Quetiapine	5.575	65300	82228.7	56.5	91872.3	171701	4.959 ng/ml
Sertraline	5.796	10720	∞	95.2	∞	79217	5.113 ng/ml
Temazepam	5.833	8923	878.1	31.7	31.3	80090	5.147 ng/ml
Tramadol	4.282	107721	127267.4	3.7	∞	932015	4.985 ng/ml
Trazodone	5.231	44847	65492.6	76.8	∞	393536	4.885 ng/ml
Venlafaxine	5.078	74329	870437.4	40.1	363.1	937231	5.221 ng/ml
Zolpidem	5.010	102733	∞	30.0	58023.6	825670	5.544 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 11:30:34 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.186	2114	2090.0	157.1	∞	56029	0.910 ng/ml
7-aminoclonazepam	4.318	13842	621.4	72.0	1106.2	53673	9.811 ng/ml
a-hydroxyalprazolam	5.717	1413	2286.9	61.5	3726.0	7343	8.825 ng/ml
alpha-PHP	4.971	89511	∞	40.0	2403.4	569794	10.001 ng/ml
alpha-PVP	4.408	121278	∞	51.0	5596.9	508153	9.983 ng/ml
Alprazolam	5.796	39403	2525.7	92.2	3242.7	152152	9.194 ng/ml
Amphetamine	3.098	206164	1554.1	42.3	1486.8	351514	10.143 ng/ml
Benzoylcegonine	3.931	1808	3637.9	17.7	706.0	6396	9.630 ng/ml
Buprenorphine	5.757	1398	∞	15.3	818.9	55148	0.860 ng/ml
Bupropion	4.831	114026	184529.8	69.5	2335.3	569794	9.888 ng/ml
Carisoprodol	5.746	28977	∞	56.2	∞	106461	10.029 ng/ml
Citalopram	5.258	84702	9860.3	40.1	37033.8	383399	9.718 ng/ml
Clonazepam	5.639	4100	∞	35.5	3205.2	7343	9.420 ng/ml
Clonazolam	5.586	9061	10616.6	40.9	4917.4	152152	9.591 ng/ml
Cocaine	4.302	94967	∞	45.7	142444.6	801793	9.710 ng/ml
Codeine	2.659	14498	27552.1	90.2	∞	69746	9.134 ng/ml
Cyclobenzaprine	5.647	68629	245058.6	9.9	∞	237472	9.679 ng/ml
Dextromethorphan	5.302	63902	288117.3	74.8	54466.2	281881	10.045 ng/ml
Dextrophan	4.154	90575	139011.0	44.2	∞	482108	10.010 ng/ml
Diazepam	5.963	26099	47969.3	91.6	13954.8	122957	9.712 ng/ml
Dihydrocodeine	2.608	36959	8513.9	54.4	2239.4	213218	10.198 ng/ml
Diphenhydramine	5.329	277124	12786.3	30.2	∞	1349488	10.070 ng/ml
Doxylamine	4.582	281119	56723.1	78.7	6966.2	1117438	9.769 ng/ml
EDDP	5.291	140386	∞	43.7	271297.2	670321	10.009 ng/ml
Etizolam	5.831	19532	139460.6	24.0	∞	122957	9.771 ng/ml
Fentanyl	5.149	6548	∞	134.1	17683.9	329016	0.991 ng/ml
Flualprazolam	5.727	17445	12682.1	102.0	∞	152152	9.546 ng/ml
Fluoxetine	5.728	56121	168471.2	6.5	10476.3	211783	9.776 ng/ml
Hydrocodone	3.085	38374	3704.9	35.7	∞	448550	9.507 ng/ml
Hydromorphone	1.648	34618	1710.2	67.7	3563.4	8716	9.988 ng/ml
Ketamine	4.114	83768	5812.5	38.4	747.4	435145	9.098 ng/ml
Lamotrigine	4.340	8554	16035.5	82.0	133668.3	371088	9.822 ng/ml
Levetiracetam	2.702	36744	2412.8	226.5	4761.3	351514	9.404 ng/ml



AM #28 Multi-Drug Quant. Results

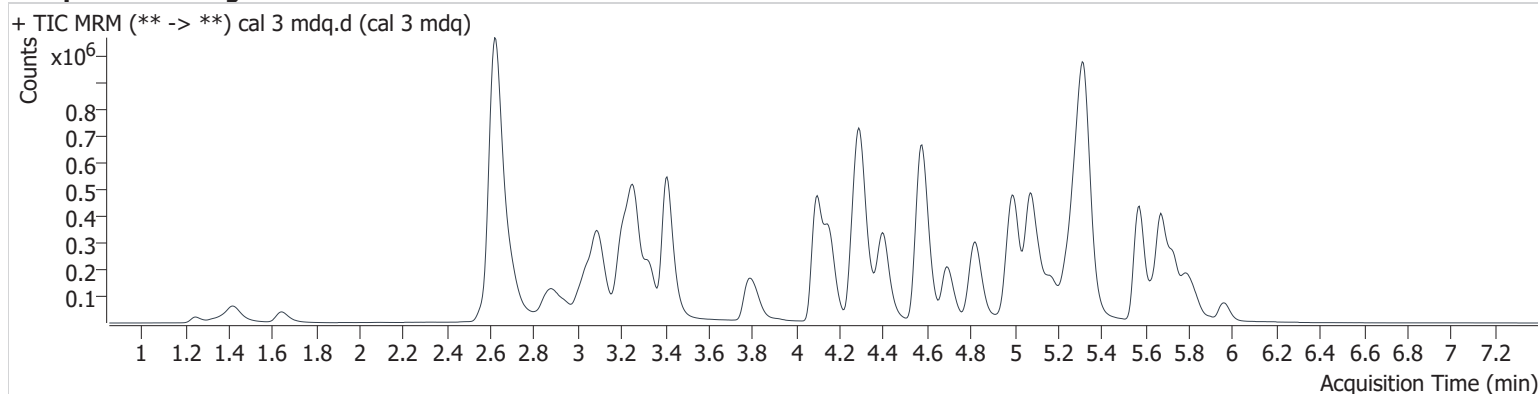
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.774	1126	8.8 Low	64.3 High	∞	5434	7.559 ng/ml
MDA	3.245	109269	5772.7	23.8	501.8	371088	9.966 ng/ml
MDMA	3.333	84739	∞	101.0	4139.9	95926	9.891 ng/ml
Methadone	5.676	125516	∞	54.5	55061.3	642313	9.590 ng/ml
Methamphetamine	3.267	114260	832704.9	228.1	955.2	763032	9.034 ng/ml
Metoprolol	4.360	26160	∞	98.7	∞	2272091	10.078 ng/ml
Mirtazapine	4.696	170477	156739.4	49.9	∞	642313	9.409 ng/ml
Mitragynine	5.278	30307	1406.5	32.5	13804.4	211783	9.450 ng/ml
Morphine	1.256	7271	∞	16.6	∞	8716	9.740 ng/ml
Norbuprenorphine	5.034	91	63.0	148.1 High	124.7	7527	0.633 ng/ml
Nordiazepam	5.917	4774	217061.3	64.2	∞	17616	9.889 ng/ml
Norfentanyl	4.114	6213	2092.6	36.7	16100.1	772974	0.957 ng/ml
Norhydrocodone	3.111	942	242.1	451.2 High	2533.8	96183	23.140 ng/ml
Noroxycodone	2.956	26363	1091.7	46.2	∞	93926	9.714 ng/ml
O-desmethyl-tramadol	3.414	210648	∞	5.9	11023.5	1016755	9.965 ng/ml
Oxazepam	5.771	1702	91.7	80.2	5.4 Low	5434	13.480 ng/ml
Oxycodone	2.894	72519	66443.3	29.4	∞	302888	9.497 ng/ml
Oxymorphone	1.424	45530	∞	43.8	2180890147 54765.0	185287	9.558 ng/ml
Promethazine	5.568	87446	4213180.2	37.2	823.6	453199	9.932 ng/ml
Pseudoephedrine	2.631	486242	∞	24.8	12912.8	2272091	9.813 ng/ml
Quetiapine	5.575	126906	∞	62.9	210005.8	180869	9.768 ng/ml
Sertraline	5.791	18974	1348462.6	99.0	17919.1	79592	9.490 ng/ml
Temazepam	5.833	16029	3811.8	31.1	131.6	74798	10.095 ng/ml
Tramadol	4.282	207319	1023719.6	3.5	177.1	962077	9.878 ng/ml
Trazodone	5.231	91868	14918.5	76.5	∞	430152	10.103 ng/ml
Venlafaxine	5.078	144316	306108.1	40.4	1629.6	972594	9.520 ng/ml
Zolpidem	5.005	196243	747329.7	30.0	∞	867351	9.849 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 11:39:36 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.191	5737	∞	150.4	776965.4	66448	2.273 ng/ml
7-aminoclonazepam	4.313	37234	1874.2	73.7	4502.1	60859	23.664 ng/ml
a-hydroxyalprazolam	5.722	3420	∞	59.3	∞	7049	24.056 ng/ml
alpha-PHP	4.971	257352	∞	40.8	8162.6	687566	25.232 ng/ml
alpha-PVP	4.408	354213	79237.1	52.7	25259.3	611066	24.171 ng/ml
Alprazolam	5.791	104298	4609.7	84.0	∞	152334	24.390 ng/ml
Amphetamine	3.098	602735	5637.8	43.5	1946.8	440579	25.522 ng/ml
Benzoylcegonine	3.921	5878	∞	14.9	1970.9	8238	25.373 ng/ml
Buprenorphine	5.767	4126	23434.6	16.6	485.0	62655	2.401 ng/ml
Bupropion	4.831	339396	∞	68.0	22360.7	687566	23.615 ng/ml
Carisoprodol	5.746	69423	203097.4	58.7	1364.3	107752	24.164 ng/ml
Citalopram	5.258	231824	3188.2	40.5	216785.8	439127	23.771 ng/ml
Clonazepam	5.639	10033	30309.1	35.5	3835.9	7049	25.054 ng/ml
Clonazolam	5.586	24427	47734.0	39.4	33027.0	152334	25.465 ng/ml
Cocaine	4.302	277396	812373.0	46.8	213957.2	979682	23.863 ng/ml
Codeine	2.654	41589	9564.2	87.6	8139.3	79161	23.730 ng/ml
Cyclobenzaprine	5.647	163641	171438.9	10.1	556324.2	231765	24.280 ng/ml
Dextromethorphan	5.302	152410	281658.6	75.9	603579.4	294596	23.569 ng/ml
Dextrophan	4.154	260892	∞	44.5	3289557.5	586790	23.940 ng/ml
Diazepam	5.968	65463	∞	85.5	11014.1	122822	24.685 ng/ml
Dihydrocodeine	2.608	103612	3640.7	57.0	3614.1	254661	25.921 ng/ml
Diphenhydramine	5.329	727561	23119.1	30.2	13598.2	1478057	23.278 ng/ml
Doxylamine	4.582	817405	87440.5	79.7	37751.1	1334874	23.968 ng/ml
EDDP	5.291	397127	∞	44.0	922458.4	807315	23.621 ng/ml
Etizolam	5.831	47129	1503637.3	24.6	13284.4	122822	24.645 ng/ml
Fentanyl	5.144	16735	∞	135.6	21353.4	331897	2.405 ng/ml
Flualprazolam	5.727	41725	∞	103.2	17634.1	152334	23.462 ng/ml
Fluoxetine	5.728	131801	∞	7.6	36570.8	207195	24.387 ng/ml
Hydrocodone	3.080	112761	∞	36.6	∞	529534	25.113 ng/ml
Hydromorphone	1.643	99171	∞	74.1	2419.3	10596	23.595 ng/ml
Ketamine	4.109	245647	∞	38.2	2423.7	516041	25.264 ng/ml
Lamotrigine	4.335	24024	56150.3	84.5	534488.7	438717	24.211 ng/ml
Levetiracetam	2.697	111920	1345.8	221.7	40844.6	440579	23.421 ng/ml

AM #28 Multi-Drug Quant. Results

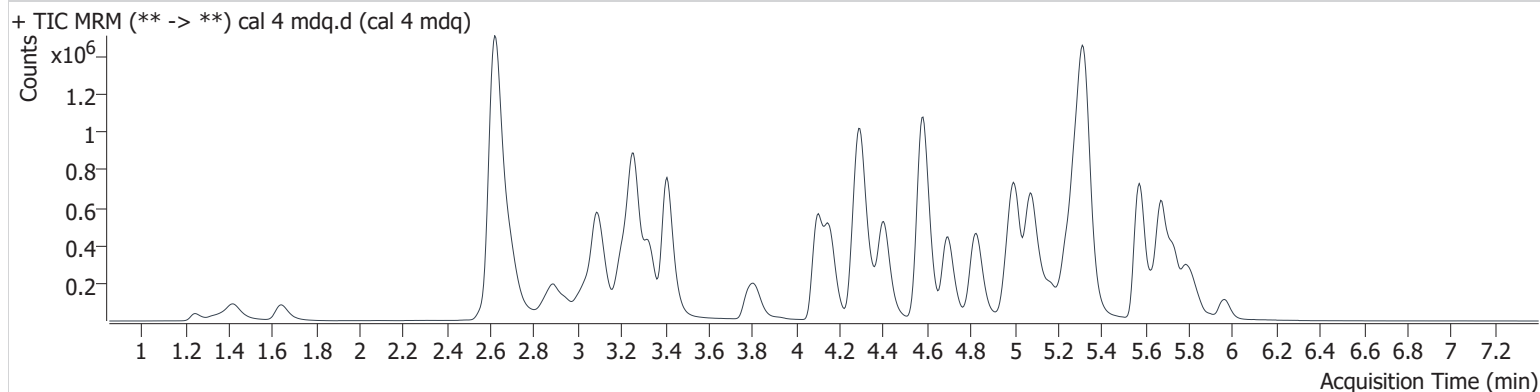
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	3046	252.4	36.6	∞	5596	24.562 ng/ml
MDA	3.240	318780	79005.1	24.7	1645.0	438717	26.047 ng/ml
MDMA	3.333	253230	102363.0	98.5	10570.1	117588	23.949 ng/ml
Methadone	5.676	308612	240294.0	55.7	∞	668850	23.022 ng/ml
Methamphetamine	3.262	270693	∞	247.4	∞	935826	24.870 ng/ml
Metoprolol	4.360	76940	∞	95.6	∞	2780071	26.083 ng/ml
Mirtazapine	4.696	504504	641474.8	48.2	234842.3	668850	26.437 ng/ml
Mitragynine	5.273	72720	5310.5	31.5	67599.4	207195	22.249 ng/ml
Morphine	1.251	20807	∞	16.9	∞	10596	24.723 ng/ml
Norbuprenorphine	5.024	406	1401.3	74.2	101.8	8404	2.562 ng/ml
Nordiazepam	5.912	11210	31866.1	65.5	12515.5	17205	24.047 ng/ml
Norfentanyl	4.114	18961	∞	33.9	15043.2	946506	2.609 ng/ml
Norhydrocodone	3.106	2834	∞	466.9 High	∞	119737	32.398 ng/ml
Noroxycodone	2.956	83536	3166.1	45.0	∞	126394	24.151 ng/ml
O-desmethyl-tramadol	3.414	616754	302578.7	6.1	201386.8	1246926	24.015 ng/ml
Oxazepam	5.776	3498	∞	70.3	194.9	5596	24.926 ng/ml
Oxycodone	2.894	219192	∞	29.2	∞	369024	24.607 ng/ml
Oxymorphone	1.424	131886	∞	43.8	∞	225405	24.433 ng/ml
Promethazine	5.568	210801	909566.6	39.9	9895.8	450041	23.741 ng/ml
Pseudoephedrine	2.631	1442951	∞	24.9	17839.2	2780071	23.811 ng/ml
Quetiapine	5.575	366539	∞	60.7	∞	205750	25.926 ng/ml
Sertraline	5.796	45178	53496.7	91.7	∞	75611	24.740 ng/ml
Temazepam	5.833	37272	12207.2	30.7	235.5	73971	24.019 ng/ml
Tramadol	4.282	600719	751770.4	3.4	596.9	1138022	25.175 ng/ml
Trazodone	5.231	236612	13285.8	77.9	466994.4	463621	25.648 ng/ml
Venlafaxine	5.078	423891	37523860.3	40.2	11474.5	1168687	22.858 ng/ml
Zolpidem	5.005	564840	∞	30.9	150552.1	1023065	23.623 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 11:48:39 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.186	12823	84504.7	140.4	48523.8	64290	5.443 ng/ml
7-aminoclonazepam	4.318	80217	1057.0	69.8	1391.7	58965	52.967 ng/ml
a-hydroxyalprazolam	5.722	8481	∞	52.8	657.0	7529	57.427 ng/ml
alpha-PHP	4.971	565628	56350.7	39.9	337643.8	695301	56.031 ng/ml
alpha-PVP	4.408	768925	55494.7	52.1	24114.0	619659	51.682 ng/ml
Alprazolam	5.796	217496	∞	85.0	1730.4	147586	52.556 ng/ml
Amphetamine	3.098	1256053	10392.2	42.0	8567.2	430795	55.974 ng/ml
Benzoylcegonine	3.926	12325	∞	16.3	6106.2	8392	52.960 ng/ml
Buprenorphine	5.762	8838	16792.9	18.2	13369.1	62383	5.284 ng/ml
Bupropion	4.831	734036	657860.5	68.7	31862.5	695301	49.904 ng/ml
Carisoprodol	5.746	144294	317438.8	57.3	∞	101582	53.650 ng/ml
Citalopram	5.258	486597	12797.1	40.1	53638.9	428115	51.632 ng/ml
Clonazepam	5.639	20786	82827.2	32.3	∞	7529	49.231 ng/ml
Clonazepam	5.581	52006	78629.8	36.8	169720.5	147586	55.703 ng/ml
Cocaine	4.302	589065	1009247.5	46.7	1129992.8	962236	52.136 ng/ml
Codeine	2.654	85686	8426.5	86.3	∞	73446	53.209 ng/ml
Cyclobenzaprine	5.647	368909	724254.5	9.6	∞	239086	53.581 ng/ml
Dextromethorphan	5.302	348150	591843.3	74.7	233978.8	300652	53.378 ng/ml
Dextrophan	4.159	560498	1894776.1	45.3	226050.0	592213	51.167 ng/ml
Diazepam	5.968	136831	3764.1	86.2	3243.9	123701	51.441 ng/ml
Dihydrocodeine	2.602	218499	7180.4	56.5	2567.1	252500	56.791 ng/ml
Diphenhydramine	5.329	1599306	469869.8	30.4	93700.6	1484197	50.223 ng/ml
Doxylamine	4.582	1751756	125794.9	79.7	515441.6	1315278	52.284 ng/ml
EDDP	5.291	867881	∞	43.5	2767936.2	812759	51.371 ng/ml
Etizolam	5.831	102046	107127.1	24.0	∞	123701	53.831 ng/ml
Fentanyl	5.139	37876	∞	133.3	117131.8	361414	4.925 ng/ml
Flualprazolam	5.727	88431	∞	98.3	2798442.9	147586	51.887 ng/ml
Fluoxetine	5.728	295128	∞	7.2	18709.9	213083	53.870 ng/ml
Hydrocodone	3.080	245286	∞	34.9	1129.2	529867	55.736 ng/ml
Hydromorphone	1.643	220818	7168.4	68.4	6948.0	10538	52.879 ng/ml
Ketamine	4.114	518135	∞	39.5	4287.2	512488	55.767 ng/ml
Lamotrigine	4.340	49280	10932.4	89.5	109231.0	418791	52.759 ng/ml
Levetiracetam	2.697	245544	51848.1	220.8	21477.9	430795	53.044 ng/ml



AM #28 Multi-Drug Quant. Results

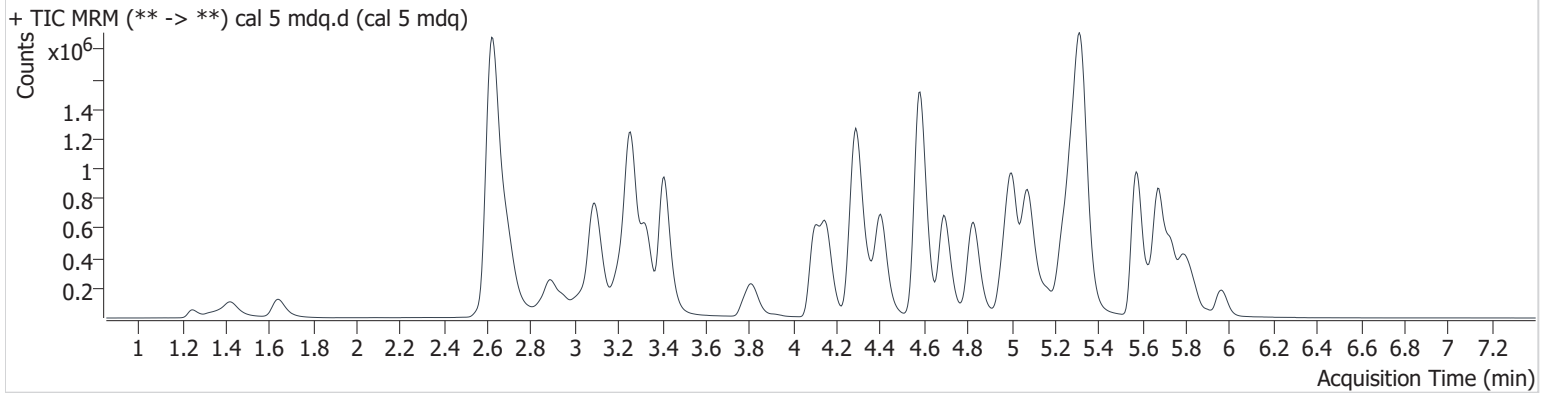
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	6052	∞	39.4	35.0	5470	52.910 ng/ml
MDA	3.240	635829	60934.6	25.8	1424.2	418791	55.502 ng/ml
MDMA	3.328	539122	∞	98.4	23949.9	116688	51.249 ng/ml
Methadone	5.676	720469	29490.2	54.4	809750.4	706870	51.191 ng/ml
Methamphetamine	3.262	521898	15293.7	254.2	13044.8	943637	54.815 ng/ml
Metoprolol	4.360	160257	1662925.2	96.7	∞	2732083	56.763 ng/ml
Mirtazapine	4.696	1107402	2355349.9	47.5	1250600.7	706870	54.732 ng/ml
Mitragynine	5.273	159791	4508.0	31.0	5735.3	213083	46.810 ng/ml
Morphine	1.246	43257	∞	17.6	4066.6	10538	53.124 ng/ml
Norbuprenorphine	5.034	755	2650.3	104.2	1181.0	8087	4.957 ng/ml
Nordiazepam	5.912	24665	∞	61.7	∞	17573	52.025 ng/ml
Norfentanyl	4.119	39932	5655.0	33.2	36864.1	935022	5.731 ng/ml
Norhydrocodone	3.101	6791	∞	420.7	∞	117690	55.106 ng/ml
Noroxycodone	2.951	171380	26686.1	45.1	∞	118850	53.806 ng/ml
O-desmethyl-tramadol	3.409	1323039	398443.2	6.1	∞	1245954	51.741 ng/ml
Oxazepam	5.776	7661	321.6	74.0	∞	5470	53.379 ng/ml
Oxycodone	2.889	466120	8876.7	28.8	∞	364786	53.749 ng/ml
Oxymorphone	1.419	277719	∞	43.6	∞	218375	54.529 ng/ml
Promethazine	5.568	477476	758124.3	39.4	24244.1	472425	50.927 ng/ml
Pseudoephedrine	2.626	3071831	265612.3	24.9	∞	2732083	51.589 ng/ml
Quetiapine	5.575	791357	∞	60.5	∞	209518	55.788 ng/ml
Sertraline	5.791	100025	70322.5	97.4	2910421.1	81177	51.691 ng/ml
Temazepam	5.838	78111	49510.3	31.3	658.5	74788	50.012 ng/ml
Tramadol	4.282	1295337	∞	3.4	3995.7	1161414	53.945 ng/ml
Trazodone	5.231	537435	∞	77.4	∞	491209	56.225 ng/ml
Venlafaxine	5.078	915465	436220.5	40.5	5752.1	1163726	49.242 ng/ml
Zolpidem	5.010	1225184	3524317.4	30.3	291836.4	1029956	50.568 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 11:57:40 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.186	19158	76698.2	150.8	3145.2	55046	9.608 ng/ml
7-aminoclonazepam	4.313	125584	3334.0	73.8	1887.2	50310	97.424 ng/ml
a-hydroxyalprazolam	5.722	14057	63081.1	53.6	∞	7311	98.854 ng/ml
alpha-PHP	4.971	912536	2318545.3	39.4	∞	589289	107.574 ng/ml
alpha-PVP	4.408	1218488	103564.9	52.4	96010.7	520364	97.479 ng/ml
Alprazolam	5.796	417997	∞	81.5	∞	146413	101.861 ng/ml
Amphetamine	3.098	1790081	43571.3	42.8	29155.5	347389	99.997 ng/ml
Benzoylcegonine	3.921	18792	∞	16.4	13282.3	6709	101.642 ng/ml
Buprenorphine	5.757	13435	44405.4	19.2	∞	51804	9.759 ng/ml
Bupropion	4.831	1222546	3897650.3	66.8	35866.8	589289	97.558 ng/ml
Carisoprodol	5.746	275648	∞	57.8	9189.2	101891	102.458 ng/ml
Citalopram	5.253	777456	22854.5	42.2	288896.5	345789	102.520 ng/ml
Clonazepam	5.639	43291	159209.8	32.2	93414.4	7311	106.352 ng/ml
Clonazepam	5.586	91292	83288.0	38.0	51110.5	146413	98.402 ng/ml
Cocaine	4.296	921665	1392538.6	46.4	4282700.7	773211	101.959 ng/ml
Codeine	2.654	128478	30318.9	89.6	10206.9	58698	100.195 ng/ml
Cyclobenzaprine	5.647	530834	18131.0	10.4	126811.4	183906	100.616 ng/ml
Dextromethorphan	5.297	562459	∞	72.7	∞	257916	100.970 ng/ml
Dextrophan	4.154	901626	73576.9	45.3	∞	489184	99.816 ng/ml
Diazepam	5.963	273980	18134.4	86.8	∞	126997	100.515 ng/ml
Dihydrocodeine	2.602	335805	6395.8	57.8	2797.4	209111	106.651 ng/ml
Diphenhydramine	5.323	2625036	∞	30.6	∞	1260862	96.461 ng/ml
Doxylamine	4.582	2817554	1792468.7	80.2	530492.9	1103246	100.376 ng/ml
EDDP	5.291	1383993	∞	44.1	1512291.1	675037	98.711 ng/ml
Etizolam	5.831	200205	∞	23.5	96402.2	126997	103.541 ng/ml
Fentanyl	5.144	60848	∞	131.8	87364.5	294175	9.655 ng/ml
Flualprazolam	5.727	168700	3896.3	98.3	8030.2	146413	100.216 ng/ml
Fluoxetine	5.728	372677	349166.3	7.3	25014.6	145468	100.202 ng/ml
Hydrocodone	3.080	383719	∞	37.6	∞	442948	105.150 ng/ml
Hydromorphone	1.643	316900	4587.9	75.8	1986.3	8377	95.503 ng/ml
Ketamine	4.114	840732	∞	38.9	4372.1	430519	109.466 ng/ml
Lamotrigine	4.335	77706	∞	85.9	36622.7	322687	108.639 ng/ml
Levetiracetam	2.697	386041	7921.2	222.5	∞	347389	103.795 ng/ml

AM #28 Multi-Drug Quant. Results

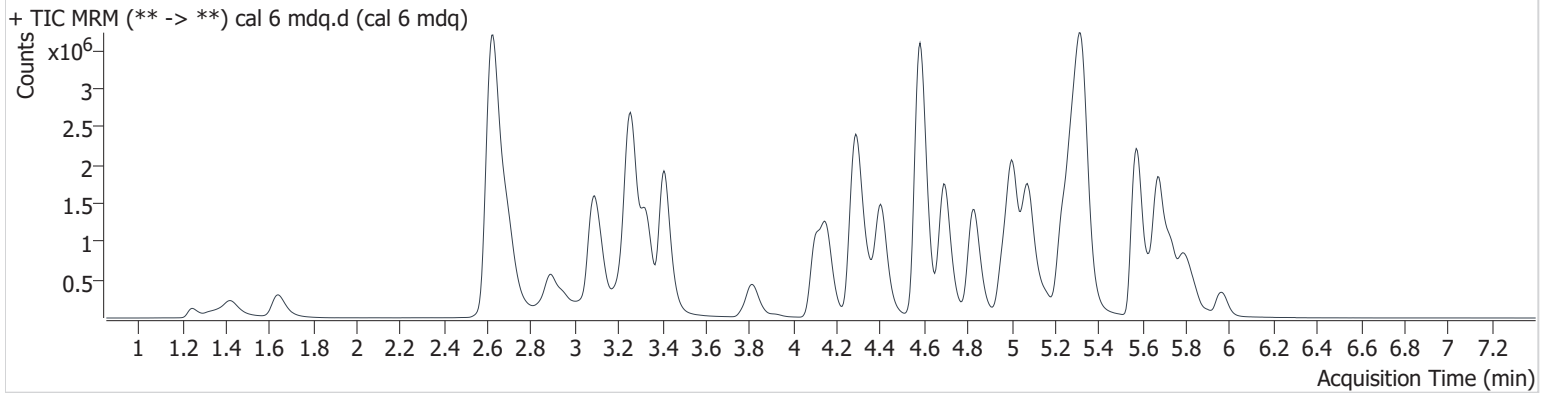
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	10790	733.6	46.0	283.4	5447	97.018 ng/ml
MDA	3.235	938153	82455.3	25.6	2294.5	322687	107.188 ng/ml
MDMA	3.328	848700	288886.6	99.6	47550.8	94941	99.051 ng/ml
Methadone	5.676	1251899	29820.5	53.2	21528.8	635600	99.183 ng/ml
Methamphetamine	3.262	811714	∞	248.3	∞	792633	108.277 ng/ml
Metoprolol	4.360	252048	547374.4	95.1	∞	2228332	110.685 ng/ml
Mirtazapine	4.691	1721223	456855.7	47.8	∞	635600	94.490 ng/ml
Mitragynine	5.268	267562	∞	31.0	46500.1	145468	113.883 ng/ml
Morphine	1.251	67432	22630.8	17.4	4848.8	8377	105.452 ng/ml
Norbuprenorphine	5.034	1236	1463.1	92.8	1568.1	7078	9.275 ng/ml
Nordiazepam	5.912	50258	∞	60.2	∞	18295	102.009 ng/ml
Norfentanyl	4.114	61306	59406.8	35.0	25180.0	759793	10.961 ng/ml
Norhydrocodone	3.106	11312	∞	400.0	∞	94332	96.612 ng/ml
Noroxycodone	2.951	245430	∞	43.9	∞	89254	103.459 ng/ml
O-desmethyl-tramadol	3.409	2133562	436374.3	6.0	95081.2	1046064	99.531 ng/ml
Oxazepam	5.771	14965	361.0	72.7	∞	5447	102.797 ng/ml
Oxycodone	2.889	721008	∞	28.7	∞	294279	103.709 ng/ml
Oxymorphone	1.419	403408	∞	43.8	∞	167322	104.461 ng/ml
Promethazine	5.568	707910	∞	39.4	∞	366857	96.997 ng/ml
Pseudoephedrine	2.628	4770920	∞	24.8	∞	2228332	98.245 ng/ml
Quetiapine	5.575	1229296	243967.7	60.6	∞	176124	103.712 ng/ml
Sertraline	5.791	120099	∞	94.4	∞	48880	103.704 ng/ml
Temazepam	5.838	149333	9513.0	30.2	∞	70838	101.158 ng/ml
Tramadol	4.282	2080001	∞	3.4	5235.1	985397	102.698 ng/ml
Trazodone	5.231	834201	∞	77.5	50287.1	413017	104.712 ng/ml
Venlafaxine	5.078	1496288	69466.8	39.8	10800.2	971761	96.110 ng/ml
Zolpidem	5.005	1952520	36901501.6	30.6	∞	857279	96.559 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 12:06:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	47477	∞	141.8	5026.7	52773	25.072 ng/ml
7-aminoclonazepam	4.313	247380	2035.2	75.3	2227.1	41101	235.312 ng/ml
a-hydroxyalprazolam	5.717	32707	∞	53.5	∞	6450	262.647 ng/ml
alpha-PHP	4.966	2173753	287478.9	40.0	54975.7	601070	252.585 ng/ml
alpha-PVP	4.408	3003588	214962.2	52.9	123457.5	519058	240.814 ng/ml
Alprazolam	5.791	845287	5049.5	86.9	7746495739 3054.6	125215	240.928 ng/ml
Amphetamine	3.093	4003131	45403.9	44.3	31210.0	361505	216.494 ng/ml
Benzoylcegonine	3.921	52012	153315.1	16.2	78332.0	7967	237.802 ng/ml
Buprenorphine	5.762	31568	∞	16.2	40135.5	49802	24.004 ng/ml
Bupropion	4.831	3092377	4810418.2	66.6	63797.5	601070	241.149 ng/ml
Carisoprodol	5.746	563222	475939.8	56.1	∞	85938	248.655 ng/ml
Citalopram	5.253	1804883	28254.8	42.5	2489762.7	333578	247.270 ng/ml
Clonazepam	5.639	91443	227932.4	31.4	53578.0	6450	255.570 ng/ml
Clonazolam	5.586	198418	535044.0	37.5	121180.0	125215	249.749 ng/ml
Cocaine	4.296	2213340	∞	46.3	∞	768419	247.040 ng/ml
Codeine	2.654	275757	14242.8	91.4	33380.6	52608	240.532 ng/ml
Cyclobenzaprine	5.647	1434122	2053302.9	10.1	364568.4	204209	245.432 ng/ml
Dextromethorphan	5.297	1295230	∞	74.7	1654902.9	245385	245.102 ng/ml
Dextrorphan	4.154	2166020	273624.9	45.2	∞	484047	242.599 ng/ml
Diazepam	5.968	576554	14212.1	86.8	7938.2	111532	241.124 ng/ml
Dihydrocodeine	2.597	776475	2485.7	57.9	3813.7	220622	235.495 ng/ml
Diphenhydramine	5.329	6252358	319344.0	30.3	58316.9	1206474	239.193 ng/ml
Doxylamine	4.582	7342634	3865745.0	81.2	479836.1	1166461	247.599 ng/ml
EDDP	5.291	3474890	∞	43.2	3567072.0	692535	241.698 ng/ml
Etizolam	5.831	419989	50408.3	24.4	∞	111532	248.348 ng/ml
Fentanyl	5.144	173876	222114.1	132.2	541037.2	337048	23.978 ng/ml
Flualprazolam	5.727	348735	14011.8	98.0	39342.0	125215	242.908 ng/ml
Fluoxetine	5.728	951144	1315962.6	7.5	169616.9	150861	247.551 ng/ml
Hydrocodone	3.080	934513	∞	37.5	6576861189 7014.2	454158	251.101 ng/ml
Hydromorphone	1.643	796063	3904.2	71.2	2145.3	8749	229.772 ng/ml
Ketamine	4.109	2005566	∞	39.4	20273.1	432988	262.219 ng/ml
Lamotrigine	4.335	171410	638548.1	87.0	∞	303389	255.747 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.697	922511	10711.2	224.0	295368.6	361505	238.864 ng/ml
Lorazepam	5.764	24800	1542.3	50.3	∞	5162	239.396 ng/ml
MDA	3.235	2045241	129075.4	25.6	4799.1	303389	249.847 ng/ml
MDMA	3.328	2072237	∞	98.5	41644.2	94570	242.631 ng/ml
Methadone	5.676	3158106	7480787.7	52.4	∞	656757	242.543 ng/ml
Methamphetamine	3.262	1917104	∞	247.6	∞	839400	251.278 ng/ml
Metoprolol	4.360	545472	∞	95.9	∞	2186327	245.737 ng/ml
Mirtazapine	4.696	4464178	564610.3	47.6	∞	656757	236.926 ng/ml
Mitragynine	5.268	597849	17833.1	34.1	13696.1	150861	244.627 ng/ml
Morphine	1.246	170164	∞	17.3	2945.8	8749	256.674 ng/ml
Norbuprenorphine	5.034	2915	666.8	85.5	12072.4	6554	23.641 ng/ml
Nordiazepam	5.912	107804	∞	61.4	∞	16579	241.723 ng/ml
Norfentanyl	4.114	143917	16716.7	34.7	∞	768647	25.632 ng/ml
Norhydrocodone	3.111	30475	∞	363.7	∞	94235	232.357 ng/ml
Noroxycodone	2.951	623695	1152364131 324930.0	44.8	∞	95755	246.352 ng/ml
O-desmethyl-tramadol	3.409	5424574	663703.2	6.0	221338.9	1082441	244.787 ng/ml
Oxazepam	5.776	32231	1648.2	67.9	314.9	5162	231.064 ng/ml
Oxycodone	2.889	1847517	∞	28.7	∞	314459	249.678 ng/ml
Oxymorphone	1.419	1031904	∞	43.8	∞	177926	252.987 ng/ml
Promethazine	5.568	1958047	∞	38.7	51657.7	413061	237.903 ng/ml
Pseudoephedrine	2.626	11577755	∞	24.5	∞	2186327	243.006 ng/ml
Quetiapine	5.575	2979768	∞	60.3	∞	179701	247.397 ng/ml
Sertraline	5.791	310003	341780.2	94.4	98530.4	52942	248.019 ng/ml
Temazepam	5.838	308462	2893.4	32.0	3374.7	61600	240.579 ng/ml
Tramadol	4.277	4923587	161752.6	3.4	4034.5	1005433	239.145 ng/ml
Trazodone	5.226	2153191	73504.6	76.2	36556.4	460551	243.807 ng/ml
Venlafaxine	5.078	3760144	506242.3	39.5	26798.3	977907	239.577 ng/ml
Zolpidem	5.009	4785646	8308903.6	30.6	∞	841912	240.561 ng/ml

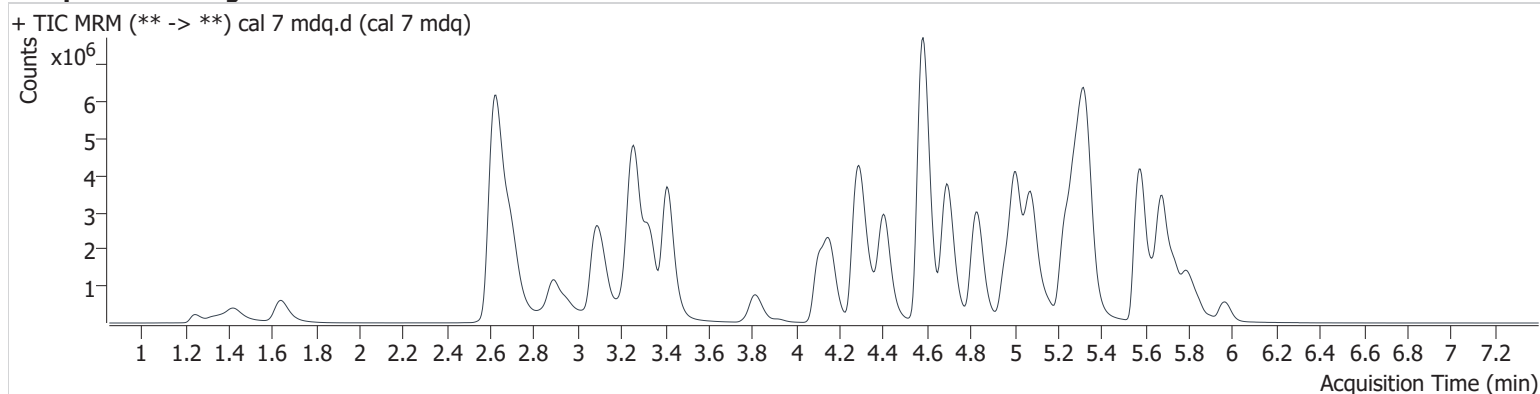


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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 4/15/2021 12:15:45 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	100466	∞	140.5	87275.5	53882	52.120 ng/ml
7-aminoclonazepam	4.313	386487	1844.9	77.2	3304.7	29196	517.867 ng/ml
a-hydroxyalprazolam	5.722	57014	3335.2	55.5	∞	6012	492.258 ng/ml
alpha-PHP	4.966	4493851	250248.7	39.2	326957.8	675891	465.220 ng/ml
alpha-PVP	4.408	6593845	145153.8	52.8	168263.3	563169	487.202 ng/ml
Alprazolam	5.791	1454877	3725.4	86.4	∞	102195	508.139 ng/ml
Amphetamine	3.098	6825907	51872.6	44.6	704492.3	373727	357.988 ng/ml
Benzoylcegonine	3.921	123367	∞	15.7	43896.5	9229	487.636 ng/ml
Buprenorphine	5.762	63225	∞	15.8	49323.5	47896	50.102 ng/ml
Bupropion	4.831	7117174	∞	65.0	97009.3	675891	493.017 ng/ml
Carisoprodol	5.751	911456	6294840.3	56.9	27703.5	70779	488.875 ng/ml
Citalopram	5.253	3269408	139903.0	42.9	650324.6	294720	507.378 ng/ml
Clonazepam	5.639	159889	51216.3	32.0	125961.1	6012	480.032 ng/ml
Clonazepam	5.586	323259	∞	39.3	42474.0	102195	498.327 ng/ml
Cocaine	4.296	4401857	3101623.6	45.7	283481.2	761127	496.487 ng/ml
Codeine	2.654	496313	22792.5	92.1	34712.0	45137	505.035 ng/ml
Cyclobenzaprine	5.641	2894813	627412.0	10.0	114703.4	200639	504.689 ng/ml
Dextromethorphan	5.302	2304921	4248383.5	73.5	∞	216760	494.279 ng/ml
Dextrophan	4.154	4546374	904239.0	44.8	355696.2	491211	501.972 ng/ml
Diazepam	5.968	1050330	34639.3	86.1	13339.9	97681	501.766 ng/ml
Dihydrocodeine	2.597	1460160	15890.2	59.9	14371.4	235952	415.195 ng/ml
Diphenhydramine	5.329	11966158	461948.4	29.5	176556.0	1125443	490.094 ng/ml
Doxylamine	4.582	16584294	1667141.2	83.2	∞	1282942	508.600 ng/ml
EDDP	5.291	7363003	144980.6	43.1	3648528.6	726587	488.220 ng/ml
Etizolam	5.831	733361	42204.3	24.8	∞	97681	495.876 ng/ml
Fentanyl	5.139	395257	206349.8	136.4	∞	373937	49.058 ng/ml
Flualprazolam	5.727	604951	10083.2	95.4	6069.0	102195	516.821 ng/ml
Fluoxetine	5.728	1714806	∞	7.5	130371.9	136063	495.502 ng/ml
Hydrocodone	3.074	2065406	∞	37.5	4393.8	505647	499.416 ng/ml
Hydromorphone	1.643	1779306	9911.5	72.0	1099.2	9005	498.993 ng/ml
Ketamine	4.109	4060807	∞	38.5	30437.4	454728	507.292 ng/ml
Lamotrigine	4.335	286195	89989.3	87.6	334214.7	260653	497.621 ng/ml
Levetiracetam	2.702	1964027	97650.0	222.4	485811.4	373727	492.332 ng/ml

AM #28 Multi-Drug Quant. Results

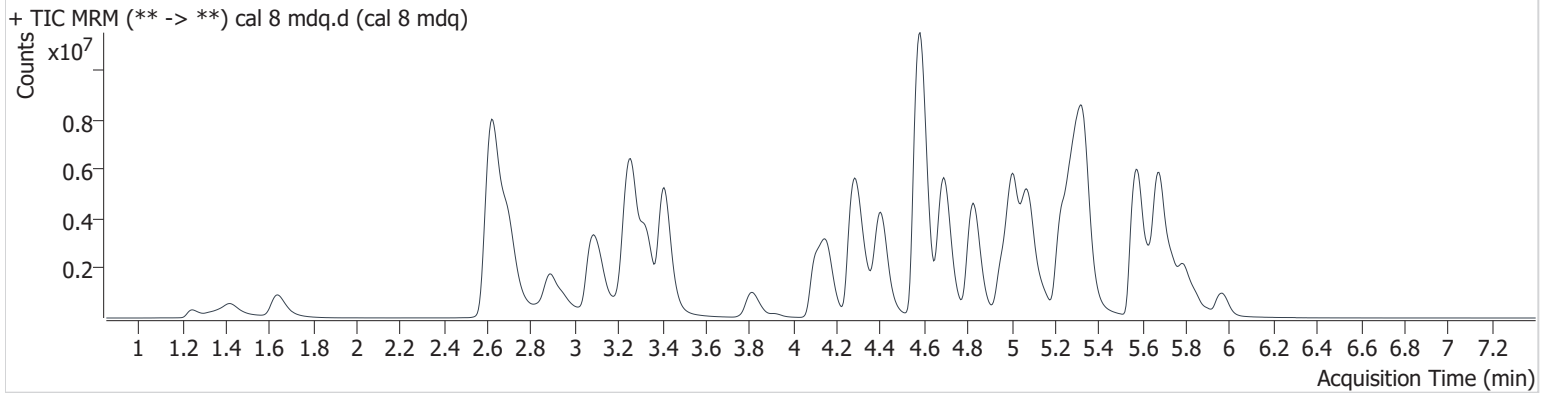
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	47355	∞	46.8	838.4	4880	486.491 ng/ml
MDA	3.230	3313561	∞	26.0	9178.9	260653	472.030 ng/ml
MDMA	3.333	4224918	198232.4	96.6	2331342.8	93853	498.342 ng/ml
Methadone	5.676	6571435	224719.6	51.6	∞	649515	510.621 ng/ml
Methamphetamine	3.262	3717992	∞	254.3	∞	941085	440.479 ng/ml
Metoprolol	4.360	938908	19510.7	95.9	∞	2038580	454.757 ng/ml
Mirtazapine	4.691	10083957	386862.9	47.0	338361.8	649515	540.940 ng/ml
Mitragynine	5.268	1054064	95123.0	33.6	12938.9	136063	477.598 ng/ml
Morphine	1.246	338332	∞	17.8	∞	9005	497.035 ng/ml
Norbuprenorphine	5.029	5333	38664.2	105.8	∞	5638	50.278 ng/ml
Nordiazepam	5.912	196379	∞	63.4	∞	14563	501.473 ng/ml
Norfentanyl	4.114	248330	19869.4	35.0	4398506.8	741618	45.958 ng/ml
Norhydrocodone	3.111	62400	∞	357.2	∞	88610	486.407 ng/ml
Noroxycodone	2.956	1245378	2285692813 3376.8	44.3	3348.6	93810	503.087 ng/ml
O-desmethyl-tramadol	3.409	11860003	1113058.2	5.9	218578.7	1164567	497.613 ng/ml
Oxazepam	5.771	62294	2692.1	72.1	1029.9	4880	470.321 ng/ml
Oxycodone	2.889	4135383	∞	28.5	∞	352513	499.241 ng/ml
Oxymorphone	1.419	2075643	∞	43.4	∞	178225	509.243 ng/ml
Promethazine	5.568	4046764	329101.0	39.3	∞	417984	485.622 ng/ml
Pseudoephedrine	2.627	22092872	∞	24.0	∞	2038580	497.324 ng/ml
Quetiapine	5.575	6070454	∞	61.7	∞	188106	482.174 ng/ml
Sertraline	5.791	515214	4685657.4	95.9	539651.6	43960	497.059 ng/ml
Temazepam	5.838	547585	24852.8	31.4	2935.6	50887	517.226 ng/ml
Tramadol	4.279	10192443	2586942.2	3.3	12548.4	1058574	470.861 ng/ml
Trazodone	5.226	4271894	163399.4	78.3	452758.0	531411	419.989 ng/ml
Venlafaxine	5.078	8545167	1484916.9	38.1	43616.1	995803	534.319 ng/ml
Zolpidem	5.010	10410540	365953.1	29.6	∞	865218	508.895 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\041521\QuantResults\mdq.batch.bin
Calibration Last Update 4/19/2021 10:29:21 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	4/15/2021 12:33:43 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	156361	316572.4	139.6	549100.1	42482	103.029 ng/ml
7-aminoclonazepam	4.313	486003	3957.0	77.5	4161.5	18187	1045.713 ng/ml
a-hydroxyalprazolam	5.722	89927	∞	55.0	∞	5016	931.566 ng/ml
alpha-PHP	4.966	6678450	186240.8	39.2	265824.3	537622	870.071 ng/ml
alpha-PVP	4.403	10413117	4475299.2	52.3	359264.2	423394	1023.342 ng/ml
Alprazolam	5.791	2301340	13525.4	85.9	17206.4	82340	997.645 ng/ml
Amphetamine	3.098	8921398	60694.1	45.3	63405.4	290026	603.877 ng/ml
Benzoylcegonine	3.921	219060	567538.6	16.0	485726.8	7841	1019.957 ng/ml
Buprenorphine	5.762	81864	∞	16.1	170054.5	30795	101.002 ng/ml
Bupropion	4.826	11710328	∞	63.7	526361.7	537622	1019.254 ng/ml
Carisoprodol	5.751	1388088	∞	56.7	52693.1	52327	1007.403 ng/ml
Citalopram	5.248	4266012	123572.6	43.6	262960.4	196647	992.596 ng/ml
Clonazepam	5.634	277290	319300.6	32.4	3852.5	5016	998.437 ng/ml
Clonazepam	5.591	481994	25139.7	39.4	83185.2	82340	922.017 ng/ml
Cocaine	4.296	6260431	571553.3	45.2	397415.5	531096	1012.439 ng/ml
Codeine	2.659	694462	∞	93.1	263733.3	30341	1051.739 ng/ml
Cyclobenzaprine	5.636	4803828	1155169.2	9.9	178896.9	172016	977.280 ng/ml
Dextromethorphan	5.297	3354548	94055.9	74.0	2056080.5	154824	1007.664 ng/ml
Dextrophan	4.154	6953463	488966.1	44.3	∞	375206	1005.295 ng/ml
Diazepam	5.968	2009776	20484.6	86.4	106837.1	93282	1005.589 ng/ml
Dihydrocodeine	2.592	2123128	3715.3	59.5	4833.7	193878	735.854 ng/ml
Diphenhydramine	5.335	17929790	18563770.7	29.2	∞	805755	1025.026 ng/ml
Doxylamine	4.581	26298657	1894803.0	85.2	1063092.8	1042842	992.329 ng/ml
EDDP	5.286	11913939	562290.8	42.1	∞	562237	1020.993 ng/ml
Etizolam	5.836	1318920	∞	25.0	256137.4	93282	934.520 ng/ml
Fentanyl	5.144	791556	∞	137.3	1218782.3	358429	102.422 ng/ml
Flualprazolam	5.727	971453	20275.3	94.1	∞	82340	1030.524 ng/ml
Fluoxetine	5.733	2322567	477318.3	7.6	597655.6	93465	977.621 ng/ml
Hydrocodone	3.074	3312486	∞	37.3	4155.5	409676	989.547 ng/ml
Hydromorphone	1.638	2841956	3824.5	72.0	9862.8	7011	1023.751 ng/ml
Ketamine	4.109	6005160	∞	38.4	30796.1	353503	966.697 ng/ml
Lamotrigine	4.335	343943	21542.5	87.3	83360.5	176426	884.029 ng/ml
Levetiracetam	2.702	3137179	263498.3	224.1	428406.4	290026	1013.791 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	104660	∞	49.1	1744.2	4973	1058.566 ng/ml
MDA	3.220	4064026	125054.5	26.0	8145.5	176426	856.127 ng/ml
MDMA	3.328	6229522	∞	96.4	602537.9	68300	1009.585 ng/ml
Methadone	5.676	12780592	1441292.1	47.8	737213.1	598144	1078.692 ng/ml
Methamphetamine	3.260	5384537	∞	257.0	∞	790681	765.028 ng/ml
Metoprolol	4.360	1211450	2397009.7	97.2	7365.4	1419676	843.687 ng/ml
Mirtazapine	4.691	15804755	1432316.6	46.4	∞	598144	920.523 ng/ml
Mitragynine	5.257	1679560	26448.0	33.8	26668.7	93465	1107.003 ng/ml
Morphine	1.246	523277	∞	17.7	∞	7011	988.698 ng/ml
Norbuprenorphine	5.029	8048	14555.1	95.5	∞	3872	110.490 ng/ml
Nordiazepam	5.912	389846	∞	64.0	∞	14447	1003.759 ng/ml
Norfentanyl	4.109	321858	27758.8	35.0	∞	540821	81.798 ng/ml
Norhydrocodone	3.106	92678	∞	337.4	∞	61040	1029.518 ng/ml
Noroxycodone	2.951	1784074	∞	45.2	4045.4	68039	994.603 ng/ml
O-desmethyl-tramadol	3.409	18695560	1008740.3	5.9	1027205.8	907128	1007.192 ng/ml
Oxazepam	5.771	141027	5160.7	71.9	9305.9	4973	1042.514 ng/ml
Oxycodone	2.884	6662866	∞	28.4	∞	285260	994.709 ng/ml
Oxymorphone	1.419	3029968	∞	43.5	∞	135321	980.185 ng/ml
Promethazine	5.568	8020361	79024624.5	37.4	∞	390734	1029.295 ng/ml
Pseudoephedrine	2.621	31271795	∞	23.7	∞	1419676	1010.839 ng/ml
Quetiapine	5.580	7967451	388757.7	61.2	512886.6	134232	887.461 ng/ml
Sertraline	5.791	666321	∞	95.9	1071829.5	28805	981.683 ng/ml
Temazepam	5.843	904108	72639.3	31.7	4932.6	43826	991.764 ng/ml
Tramadol	4.272	15148880	∞	3.3	14308.6	738333	1004.141 ng/ml
Trazodone	5.224	6544085	376826.6	77.8	376614.0	485845	704.452 ng/ml
Venlafaxine	5.077	13448895	383306.7	37.5	180369.2	749723	1116.653 ng/ml
Zolpidem	5.010	15832469	592443.3	30.1	466054.1	666503	1004.401 ng/ml