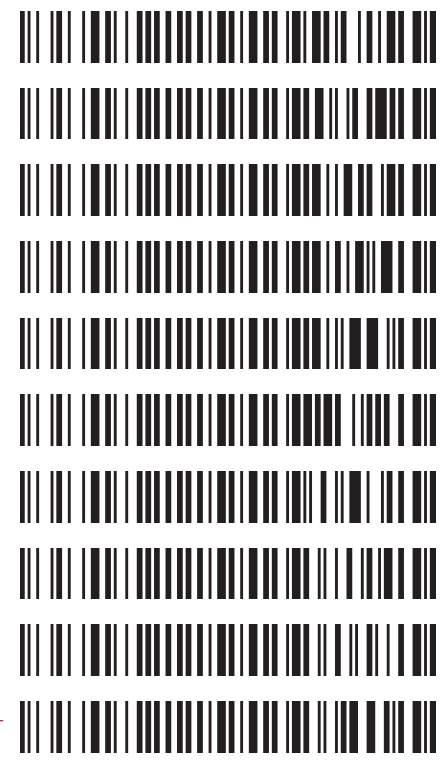


Worklist: 3720

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
C2019-1744	1	165071	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1754	1	165072	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1771	1	165073	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1772	1	165074	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1777	1	165075	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1786	1	165076	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1799	1	165077	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1828	1	165078	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1829	1	165079	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2019-1830	1	165080	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC

not run with this worklist
A 10/15/19



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

Extraction Date 09-24-19

Analyst: Anne Nord

Plate lot#: 190729 (part IDP-111)

Plate Expiration: 1/29/20

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: 19552275-1~~ **Urine Blank lot:** 8919 blank blood lot 19H52275 ~~11/15/19~~

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. *Shaker ID: 66759*
- 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. 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.

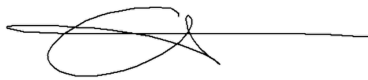
Post-Analytic

- 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 Benzoylcegonine 5-500, Buprenorphine 2.5-100, Dihydrocodeine 5-500, Lorazepam 5-500, Meprobamate 5-500, Mitragynine 5-500, Norbuprenorphine 2.5-1000, Norfentanyl .5-50, Norhydrocodone 5-500, Quetiapine 5-500

Calibrator 8 did not inject properly on the first injection (date from that injection was not used) it was re-injected.



Toxicology AM method 25 and 28 external prep information

working solution 10000 ng/ml in meoh amphetamine, dextromethorphan, methamphetamine, morphine, paroxetine, amitriptyline meperidine, doxepine, mirtazapine, 1000 ng/ml buprenorphine

Stock solution 1mg/ml (.1mg/ml buprenorphine) 100 ul each in 9000 ul meOH

Ppd 3/14/19 Exp: 3/14/20 lot 31420 by AMN

Drug	lot	expiration
amphetamine	FE06011503	6/1/2020
dextromethorphan	FN07231501	7/1/2020
methamphetamine	FE08101708	10/1/2022
morphine	FE08141515	11/1/2020
buprenorphine	FE09211501	9/1/2020
paroxetine	FN05111505	6/1/2020
mirtazapine	FN04201503	4/1/2020
meperidine	FE01191502	2/1/2020 (this compound will not be evaluated in this control after 2/1/2020)
doxepin	FN01281502	2/1/2020 (this compound will not be evaluated in this control after 2/1/2020)
amitriptyline	FN07081401	9/1/2019 (this compound will not be evaluated in this control after 9/1/2019)

AM 25-28 urine control 100 ul working solution lot (31420) in 5000 ul urine lot (31319)

ppd 9/5/19 Exp 3/14/2020

by AMN

Concentration 196 ng/ml each (19.6 ng/ml buprenorphine)

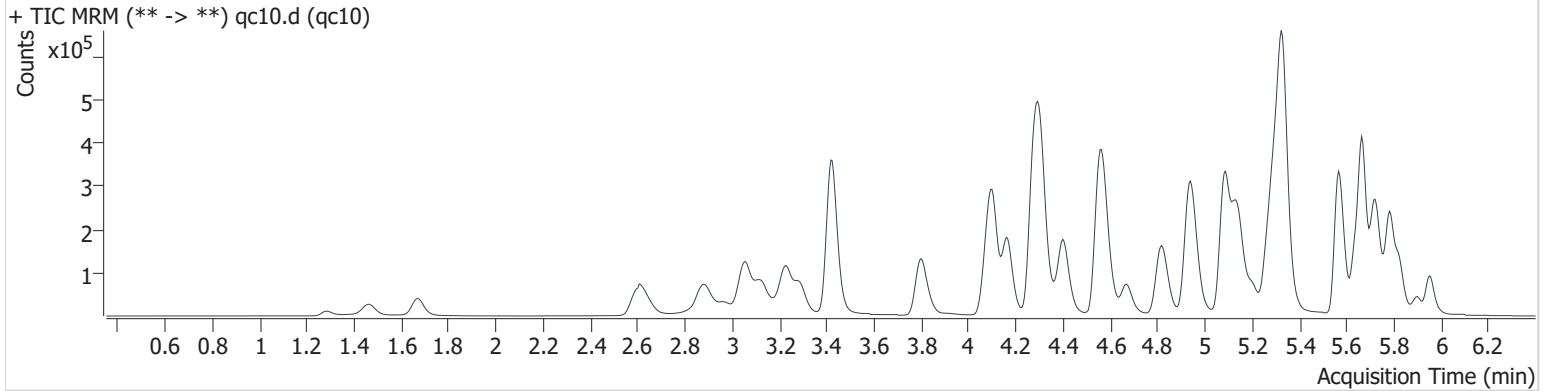
Lot 9519

AM #28 Multi-Drug Quant. Results

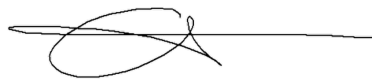
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679 **Data File** qc10.d
Type QC **Sample** qc10
Acq. Method mdq p1 cda 121818.m **Operator** Anne Nord
Sample Position P2-A2 **Comment**
Injection Volume 2
Acq. Date-Time 9/24/2019 6:30:33 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	2123	2324.8	74.1	3430.7	58662	1.018 ng/ml
7-aminoclonazepam	4.313	27579	711.4	84.3	1399.3	116676	10.108 ng/ml
a-hydroxyalprazolam	5.714	3215	309.3	61.8	1308.4	18400	9.832 ng/ml
alpha-PVP	4.412	92195	14992.4	51.9	203.1	410720	10.168 ng/ml
Alprazolam	5.787	48338	1394.9	106.9	146.0	169282	10.373 ng/ml
Amphetamine	3.132	139982	900.5	53.3	811.1	245937	10.684 ng/ml
Benzoylcegonine	3.936	2153	620.4	7.4	26.5	7328	11.008 ng/ml
Buprenorphine	5.842	1728	102.8	10.9 Low	261.0	56415	1.619 ng/ml outside curve range
Bupropion	4.835	108936	2116.3	57.8	4948.3	414959	10.205 ng/ml
Carisoprodol	5.738	41358	25182.9	57.1	418.2	198943	9.893 ng/ml
Citalopram	5.266	76490	759.5	47.9	26892.6	344796	9.783 ng/ml
Clonazepam	5.633	11814	5831.6	34.4	358.1	20482	10.114 ng/ml
Cocaine	4.307	84160	35475.1	43.2	13212.6	659310	9.704 ng/ml
Codeine	2.658	11930	427.2	104.9	372.3	56075	10.339 ng/ml
Cyclobenzaprine	5.640	72232	139174.4	10.7	5516.0	275217	10.038 ng/ml
Dextromethorphan	5.311	51045	8511.4	76.7	11154.7	246111	9.921 ng/ml
Dextrorphan	4.166	35636	16735.4	211.6	12690.3	393990	10.542 ng/ml
Diazepam	5.957	34160	1311.4	83.7	4321.0	161849	9.836 ng/ml
Dihydrocodeine	2.632	33244	7763.0	62.8	655.7	180421	10.586 ng/ml
Diphenhydramine	5.332	225116	648.1	34.5	7042.6	1254529	10.531 ng/ml
Doxylamine	4.579	236590	78346.2	98.3	7452.9	1035562	9.906 ng/ml
EDDP	5.300	41848	1454.6	237.4	12386.3	496579	9.741 ng/ml
Fentanyl	5.143	7296	819.8	73.1	8075.5	379570	0.982 ng/ml
Fluoxetine	5.721	84553	611.6	8.5	5406.5	325956	10.619 ng/ml
Hydrocodone	3.079	32360	1309.5	38.7	469.3	191699	9.951 ng/ml
Hydromorphone	1.678	26377	2989.5	73.1	654.3	101875	10.134 ng/ml
Ketamine	4.092	73878	2142.9	38.0	364.3	359575	9.995 ng/ml
Lamotrigine	4.345	8879	699.1	85.6	493.2	246111	11.499 ng/ml
Lorazepam	5.761	5187	182.2	53.6	27.5	169282	11.421 ng/ml
Meprobamate	4.962	14599	124.4	30.4	721.4	68758	9.931 ng/ml
Methadone	5.669	143233	4634.5	46.6	2733.6	706029	9.943 ng/ml
Methamphetamine	3.289	120004	377.8	40.2	121.9	403630	10.200 ng/ml
Metoprolol	4.364	23098	531.2	95.8	1389.1	1254529	11.089 ng/ml



AM #28 Multi-Drug Quant. Results

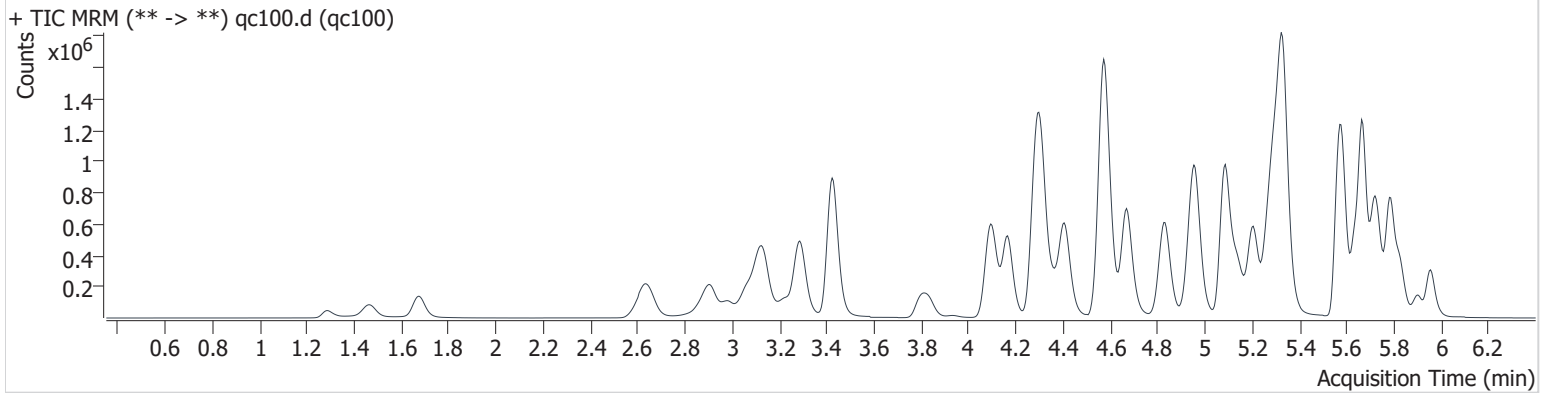
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	142708	2407.9	47.6	3656.0	706029	9.525 ng/ml
Mitragynine	5.271	19848	14541.2	36.6	6764.2	706029	10.562 ng/ml
Morphine	1.292	5775	705.5	21.0	36.0	8095	9.844 ng/ml
Nordiazepam	5.907	20842	19707.9	60.3	5364.4	66880	10.328 ng/ml
Norfentanyl	4.127	14029	191.1	42.4	319.6	637092	0.962 ng/ml
Norhydrocodone	3.125	1655	490.2	38.6	152.7	62082	8.833 ng/ml
Noroxycodone	2.987	23258	379.7	42.1	1023.1	81896	9.822 ng/ml
O-desmethyl-tramadol	3.425	186821	8498.9	6.4	421.4	973892	10.256 ng/ml
Oxazepam	5.768	7462	333.5	72.8	88.9	46140	10.108 ng/ml
Oxycodone	2.910	55712	1004.4	29.5	2693.1	272243	10.118 ng/ml
Oxymorphone	1.465	22278	18518.5	43.8	656.2	90733	9.429 ng/ml
Phentermine	3.833	41601	309.1	4.6	63.7	441361	10.339 ng/ml
Promethazine	5.568	115574	844.6	32.4	801.4	513919	10.285 ng/ml
Quetiapine	5.580	104305	142958.3	60.5	52645.2	148740	10.224 ng/ml
Sertraline	5.788	37510	262.5	105.3	2208.6	174353	10.254 ng/ml
Temazepam	5.829	40341	858.2	30.4	62.0	196606	9.958 ng/ml
Tramadol	4.288	197441	8766.9	3.6	390.8	967812	10.803 ng/ml
Trazodone	5.204	101514	8715.2	73.1	524.0	438841	10.210 ng/ml
Venlafaxine	5.088	158391	12003.3	38.8	2310.0	828697	10.061 ng/ml
Zolpidem	4.960	188009	12716.4	30.5	902.1	817146	10.152 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	qc100.d
Type	QC	Sample	qc100
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 6:41:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	20803	40857.4	74.1	25095.0	56388	10.208 ng/ml
7-aminoclonazepam	4.318	209457	10991.1	84.6	12076.9	97242	98.197 ng/ml
a-hydroxyalprazolam	5.709	28968	3402.0	58.9	249.8	16646	99.350 ng/ml
alpha-PVP	4.412	955552	8183.9	51.9	1119.3	432311	93.258 ng/ml
Alprazolam	5.787	417645	2298.9	111.0	5486.9	153626	98.975 ng/ml
Amphetamine	3.132	1070699	1399.2	53.6	1340.5	220434	102.964 ng/ml
Benzoylcegonine	3.936	20046	8420.0	8.4	1549.2	7743	97.446 ng/ml
Buprenorphine	5.842	16122	9090.4	17.5	1074.0	51770	9.252 ng/ml
Bupropion	4.835	1081946	204797.1	59.2	14236.4	435472	102.178 ng/ml
Carisoprodol	5.738	356366	505713.7	58.9	2390.5	173021	98.719 ng/ml
Citalopram	5.266	744739	22313.0	47.4	375.3	347573	100.258 ng/ml
Clonazepam	5.633	102482	9533.0	33.0	956.5	18947	103.186 ng/ml
Cocaine	4.307	816971	1052.8	44.2	220859.0	669041	97.504 ng/ml
Codeine	2.658	106724	67.1	105.4	53113.8	53093	102.331 ng/ml
Cyclobenzaprine	5.640	729180	105338.0	10.2	14863.4	292569	100.876 ng/ml
Dextromethorphan	5.306	493796	56495.3	75.9	34975.6	246021	96.666 ng/ml
Dextrorphan	4.166	357595	279769.6	215.5	65515.1	412548	101.702 ng/ml
Diazepam	5.957	335068	3966.1	84.9	2658.5	164618	102.119 ng/ml
Dihydrocodeine	2.632	311383	3174.6	65.0	3911.4	186696	102.617 ng/ml
Diphenhydramine	5.337	2219199	2898.9	33.6	3985.4	1263021	94.337 ng/ml
Doxylamine	4.579	2507115	6215.9	97.1	124774.6	1112597	101.684 ng/ml
EDDP	5.300	396388	13067.9	239.4	53040.8	484012	97.463 ng/ml
Fentanyl	5.143	80185	150.5	74.8	69021.8	416588	9.725 ng/ml
Fluoxetine	5.721	823153	29059.0	8.7	64950.9	348772	101.425 ng/ml
Hydrocodone	3.079	322146	27152.1	37.0	995.1	202126	97.408 ng/ml
Hydromorphone	1.678	248982	25765.8	73.3	11721.7	96947	99.416 ng/ml
Ketamine	4.092	763549	1347.8	38.0	6058.3	381084	103.340 ng/ml
Lamotrigine	4.345	78605	4267.0	87.4	1193.7	246021	104.876 ng/ml
Lorazepam	5.761	36167	234.2	56.6	253.1	153626	98.148 ng/ml
Meprobamate	4.962	125879	70054.8	29.7	15608.8	63177	100.962 ng/ml
Methadone	5.669	1457054	89867.7	47.1	30634.4	741215	95.658 ng/ml
Methamphetamine	3.289	946135	1421.2	39.5	457.1	364139	110.009 ng/ml
Metoprolol	4.369	214410	681.7	95.3	6409.6	1263021	106.829 ng/ml



AM #28 Multi-Drug Quant. Results

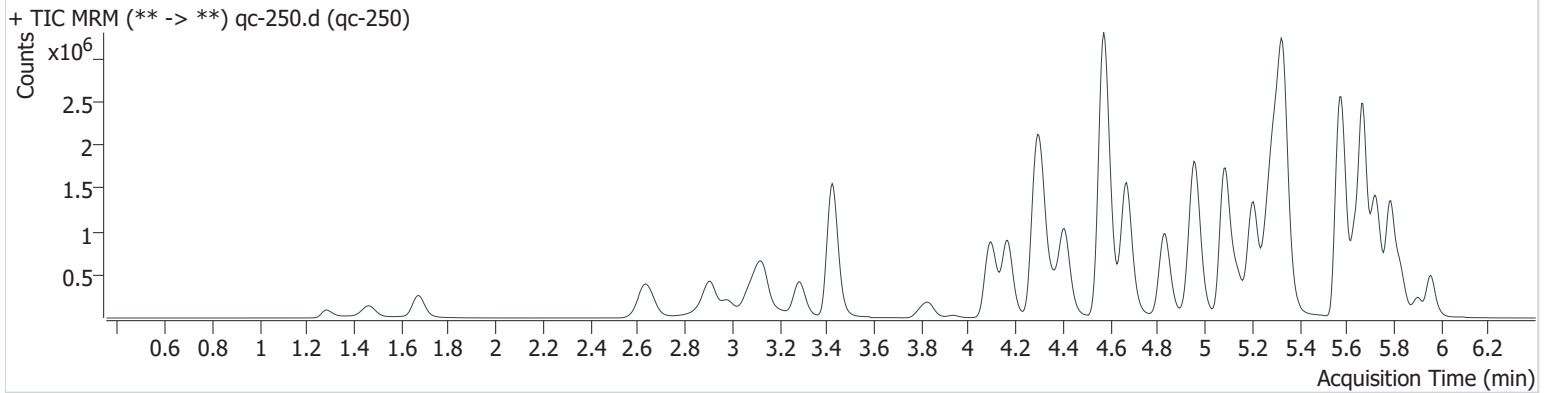
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	1485100	1158.8	47.1	201310.3	741215	90.265 ng/ml
Mitragynine	5.271	179922	416775.9	40.3	2622.3	741215	100.776 ng/ml
Morphine	1.287	49446	435.1	23.1	39549.9	7284	96.476 ng/ml
Norbuprenorphine	5.039	1608	1584.6	86.6	271.5	8468	10.812 ng/ml
Nordiazepam	5.907	179566	85923.4	62.4	5555.2	60639	103.218 ng/ml
Norfentanyl	4.127	142923	421.5	39.9	341.6	645411	9.786 ng/ml
Norhydrocodone	3.130	25355	309.8	38.9	100.1	69169	99.000 ng/ml
Noroxycodone	2.982	228125	427.9	41.2	1228.0	83182	103.625 ng/ml
O-desmethyl-tramadol	3.430	1848648	110596.2	6.4	5952.5	995855	99.001 ng/ml
Oxazepam	5.763	47114	224.6	74.3	539.5	30070	95.593 ng/ml
Oxycodone	2.905	569574	3483.3	29.0	3551.1	283014	104.157 ng/ml
Oxymorphone	1.465	212198	2800.0	43.7	296474.9	90308	102.795 ng/ml
Phentermine	3.833	347636	1356.9	4.5	1079.1	403638	106.612 ng/ml
Promethazine	5.568	1171365	290666.4	31.7	3098.8	544583	96.761 ng/ml
Quetiapine	5.580	1072737	148993.0	58.6	4428.6	156223	102.721 ng/ml
Sertraline	5.788	345063	195163.2	102.1	585182.6	171683	97.529 ng/ml
Temazepam	5.829	384993	20340.5	30.9	869.3	185949	101.034 ng/ml
Tramadol	4.288	1910057	208322.6	3.5	2669.9	1013032	108.876 ng/ml
Trazodone	5.204	1054746	100606.9	79.7	474583.0	490616	97.908 ng/ml
Venlafaxine	5.088	1632629	86398.5	39.6	796.2	873348	95.103 ng/ml
Zolpidem	4.960	1941001	76876.0	30.7	69355.5	862203	104.478 ng/ml

AM #28 Multi-Drug Quant. Results

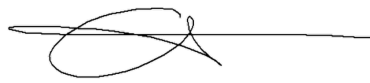
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	qc-250.d
Type	QC	Sample	qc-250
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 6:52:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	46557	70453.1	73.5	76232.0	50026	25.723 ng/ml
7-aminoclonazepam	4.313	335861	9734.9	83.0	17722.5	64557	238.241 ng/ml
a-hydroxyalprazolam	5.709	53545	1460.7	57.2	1619.7	12692	241.085 ng/ml
alpha-PVP	4.407	1875891	3981.4	52.0	1147.8	333103	236.404 ng/ml
Alprazolam	5.787	814079	10789.6	111.1	6305.5	114603	258.656 ng/ml
Amphetamine	3.127	1548927	12316.4	51.1	568.7	129964	254.918 ng/ml
Benzoylcegonine	3.936	46601	61640.1	7.8	37.9	6954	252.316 ng/ml
Buprenorphine	5.842	44473	7780.3	16.6	2758.3	50592	24.682 ng/ml
Bupropion	4.835	1925551	1320.0	59.8	65206.6	311067	255.561 ng/ml
Carisoprodol	5.738	656046	315245.7	58.1	4683.7	126315	249.055 ng/ml
Citalopram	5.266	1630772	479.0	47.0	194173.0	299203	256.055 ng/ml
Clonazepam	5.633	172762	6689.4	33.4	57962.9	13338	248.480 ng/ml
Cocaine	4.307	1647689	291357.6	44.2	122606.5	533918	247.251 ng/ml
Codeine	2.658	211307	40771.9	104.8	62372.8	42903	251.533 ng/ml
Cyclobenzaprine	5.640	1723483	110122.9	10.3	8063.0	270146	259.237 ng/ml
Dextromethorphan	5.306	1094758	152613.9	76.1	478.5	211805	249.051 ng/ml
Dextrorphan	4.166	762323	137077.8	214.7	217755.2	348779	256.570 ng/ml
Diazepam	5.957	624255	5951.1	87.1	10530.8	123927	253.964 ng/ml
Dihydrocodeine	2.627	642985	800.1	64.5	530.2	165301	240.447 ng/ml
Diphenhydramine	5.337	4869962	3390.6	33.1	37226.8	1065436	243.812 ng/ml
Doxylamine	4.574	5492727	397773.4	98.0	510963.8	968265	256.664 ng/ml
EDDP	5.300	943307	691973.4	237.8	2849.3	449975	249.983 ng/ml
Fentanyl	5.143	230711	2527.9	75.1	1845.8	464809	25.060 ng/ml
Fluoxetine	5.721	1935100	17344.1	8.5	177878.3	321299	259.742 ng/ml
Hydrocodone	3.079	708908	1962.1	38.6	895.8	174649	248.712 ng/ml
Hydromorphone	1.673	535023	40989.5	73.7	22198.5	83510	247.818 ng/ml
Ketamine	4.092	1560574	193258.7	38.4	647.5	317164	254.755 ng/ml
Lamotrigine	4.340	147249	1590.1	86.0	2696.5	211805	228.656 ng/ml
Lorazepam	5.755	59857	3618.4	56.8	205.5	114603	219.647 ng/ml
Meprobamate	4.962	239817	152143.8	29.4	59752.2	51137	238.886 ng/ml
Methadone	5.669	3614079	21390.4	45.3	14868.6	687117	255.817 ng/ml
Methamphetamine	3.289	801214	658.5	39.6	383.2	136910	251.150 ng/ml
Metoprolol	4.364	420055	537.1	96.1	17069.7	1065436	248.842 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	3449046	3415.4	46.9	228374.9	687117	225.437 ng/ml
Mitragynine	5.271	436235	438640.3	38.2	191053.6	687117	265.605 ng/ml
Morphine	1.287	108574	737607.6	22.8	32.1	6126	252.424 ng/ml
Norbuprenorphine	5.039	4426	725.8	94.5	3311.7	9347	27.937 ng/ml
Nordiazepam	5.907	323546	39981.0	61.2	7585.8	43519	260.042 ng/ml
Norfentanyl	4.127	291406	788.6	40.2	1812.3	507184	25.409 ng/ml
Norhydrocodone	3.130	60562	566.0	40.8	3135.9	59618	271.239 ng/ml
Noroxycodone	2.982	474535	3353.0	40.5	2510.5	67885	265.695 ng/ml
O-desmethyl-tramadol	3.425	4123058	239237.1	6.3	12641.2	872317	252.029 ng/ml
Oxazepam	5.763	74327	154.8	74.2	692.0	18847	240.197 ng/ml
Oxycodone	2.905	1329774	9928.3	29.0	6647.4	259578	265.942 ng/ml
Oxymorphone	1.460	430808	13759.0	43.9	686206.5	74198	256.167 ng/ml
Phentermine	3.833	539337	2981.9	4.6	528.7	265700	253.295 ng/ml
Promethazine	5.570	3148102	779529.5	31.1	81973.5	575407	245.829 ng/ml
Quetiapine	5.580	2282750	2586060.8	57.7	1535190.6	132880	257.434 ng/ml
Sertraline	5.788	761815	125634.1	103.3	413.7	149959	246.829 ng/ml
Temazepam	5.829	710115	17736.0	31.2	1825.0	138341	250.579 ng/ml
Tramadol	4.288	3909570	327061.6	3.4	435.7	883107	257.115 ng/ml
Trazodone	5.204	2526396	151619.8	77.6	623.2	487970	236.299 ng/ml
Venlafaxine	5.083	3630764	214130.5	38.6	2002.2	762329	241.717 ng/ml
Zolpidem	4.960	4187224	2429.2	30.6	133354.8	754751	258.330 ng/ml

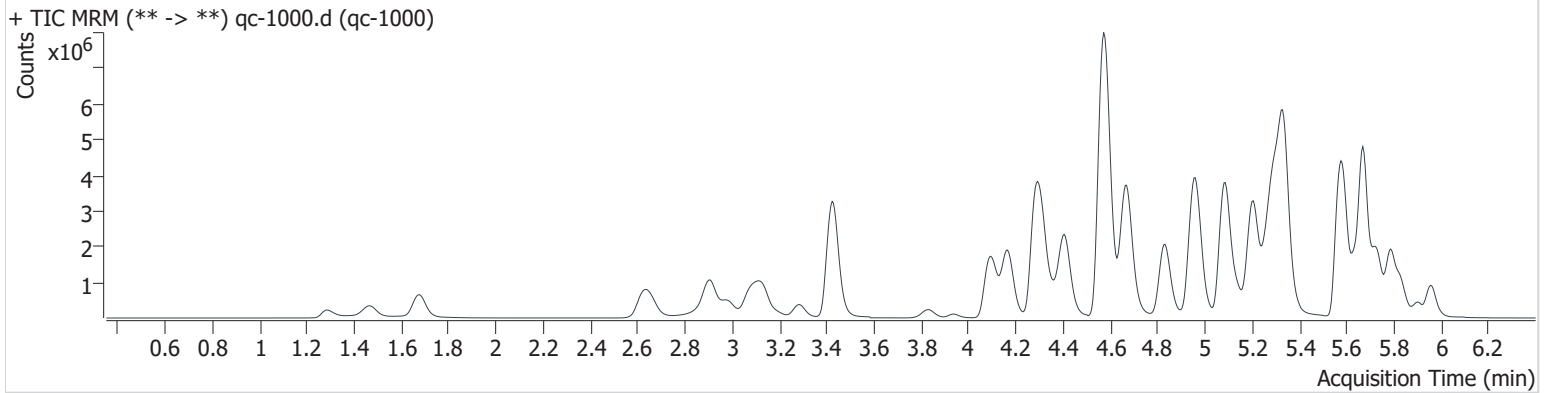


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679 Data File qc-1000.d
Type QC Sample qc-1000
Acq. Method mdq p1 cda 121818.m Operator Anne Nord
Sample Position P2-D2 Comment
Injection Volume 2
Acq. Date-Time 9/24/2019 7:02:57 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	128636	260566.0	74.5	2638.5	32684	108.719 ng/ml
7-aminoclonazepam	4.318	435443	267.1	85.5	25956.6	23071	866.281 ng/ml
a-hydroxyalprazolam	5.709	120183	1604.0	59.7	1814.8	6893	996.843 ng/ml
alpha-PVP	4.407	4819724	6795.4	51.5	25715.0	210984	956.583 ng/ml
Alprazolam	5.787	1746070	8882.1	111.0	2496.1	62174	1022.661 ng/ml
Amphetamine	3.127	2246700	21609.9	50.7	367.5	50722	951.660 ng/ml
Benzoyllecgonine	3.936	193181	250401.7	7.7	29752.0	6317	1151.561 ng/ml † ocr
Buprenorphine	5.847	95926	7301.3	16.1	1422.8	23429	112.082 ng/ml
Bupropion	4.835	4372741	728122.0	59.1	24543.2	179902	1005.421 ng/ml
Carisoprodol	5.738	1377350	573744.0	58.3	2180.5	64737	1020.498 ng/ml
Citalopram	5.261	3268123	162833.7	46.5	1642656.7	151563	1014.971 ng/ml
Clonazepam	5.628	347731	11497.0	33.8	65948.2	7176	932.349 ng/ml
Cocaine	4.307	3607775	333673.4	43.7	1538.9	287620	1006.653 ng/ml
Codeine	2.658	469198	246.0	103.5	1148.6	25482	941.857 ng/ml
Cyclobenzaprine	5.640	2743323	42176.0	10.3	11893.3	109861	1016.572 ng/ml
Dextromethorphan	5.311	1947161	5838.5	76.6	4334.0	94715	990.803 ng/ml
Dextrorphan	4.166	1906342	289558.8	215.5	246987.7	215568	1038.327 ng/ml
Diazepam	5.957	1389479	3373.4	85.8	5054.9	70842	991.299 ng/ml
Dihydrocodeine	2.627	1507897	133036.7	65.0	36932.7	115536	808.755 ng/ml † ocr
Diphenhydramine	5.337	10378180	523587.9	32.5	6314.7	539861	1022.207 ng/ml
Doxylamine	4.574	14720317	819924.9	97.3	72748.2	666096	1001.191 ng/ml
EDDP	5.295	2488955	4092.8	236.6	285938.8	290081	1024.153 ng/ml
Fentanyl	5.143	570878	2791.8	75.0	457281.2	269092	107.067 ng/ml
Fluoxetine	5.721	2208709	60594.4	8.5	52358.0	93525	1020.233 ng/ml
Hydrocodone	3.079	1855620	3284.1	38.6	1981.6	117964	965.031 ng/ml
Hydromorphone	1.678	1547119	32095.5	73.7	555.4	61152	978.245 ng/ml
Ketamine	4.092	3986332	1949.4	37.9	66114.1	213845	967.020 ng/ml
Lamotrigine	4.340	254693	308.4	87.5	7865.5	94715	885.540 ng/ml
Lorazepam	5.761	137046	8000.3	56.3	1081.7	62174	931.958 ng/ml † ocr
Meprobamate	4.968	460408	389258.8	29.5	2777.8	28545	823.858 ng/ml † ocr
Methadone	5.669	8427100	177905.3	44.8	276566.2	397076	1031.966 ng/ml
Methamphetamine	3.289	691522	3343.2	39.9	176.8	32098	931.830 ng/ml
Metoprolol	4.369	796320	1763.8	96.6	4225.5	539861	932.534 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Mirtazapine	4.671	8745418	453510.5	46.3	249454.5	397076	987.575 ng/ml	
Mitragynine	5.271	776313	353590.8	40.2	285993.7	397076	820.524 ng/ml	ocr ★
Morphine	1.287	301080	1408981.2	22.9	208757.1	4509	951.880 ng/ml	
Norbuprenorphine	5.034	10814	1329.0	98.5	1357.3	6107	106.247 ng/ml	
Nordiazepam	5.907	642366	6175.8	61.9	20862.7	22965	980.037 ng/ml	
Norfentanyl	4.127	680732	179011.6	40.5	6836.9	278189	108.255 ng/ml	ocr ★
Norhydrocodone	3.130	164401	431.5	39.7	112.1	36405	1199.744 ng/ml	ocr ★
Noroxycodone	2.982	1149186	1035.8	42.6	1751.2	45198	969.092 ng/ml	
O-desmethyl-tramadol	3.425	10614045	348171.9	6.1	100222.5	542809	1042.563 ng/ml	
Oxazepam	5.763	160003	937.2	72.3	1570.8	9686	1005.281 ng/ml	
Oxycodone	2.905	3724492	3646.1	28.8	2213.0	187081	1035.027 ng/ml	
Oxymorphone	1.465	1171988	8591522.4	43.2	3034118.7	53693	967.055 ng/ml	
Phentermine	3.833	809730	1208.5	4.5	1963.5	107305	945.682 ng/ml	
Promethazine	5.568	5405663	237143.8	31.0	310078.6	242814	999.734 ng/ml	
Quetiapine	5.586	5102120	484999.7	57.7	6498.0	79860	958.198 ng/ml	ocr ★
Sertraline	5.788	659298	24428.4	102.5	27243.7	32431	988.373 ng/ml	
Temazepam	5.829	1595156	8948.7	31.5	7901.4	75585	1030.413 ng/ml	
Tramadol	4.283	8936300	917.6	3.4	1600.7	517821	1005.459 ng/ml	
Trazodone	5.204	6459336	982795.6	77.8	315663.7	347302	849.802 ng/ml	
Venlafaxine	5.083	9486345	1280.8	37.6	76668.2	475457	1011.403 ng/ml	
Zolpidem	4.960	10607188	3823.1	30.1	201914.0	504020	981.587 ng/ml	

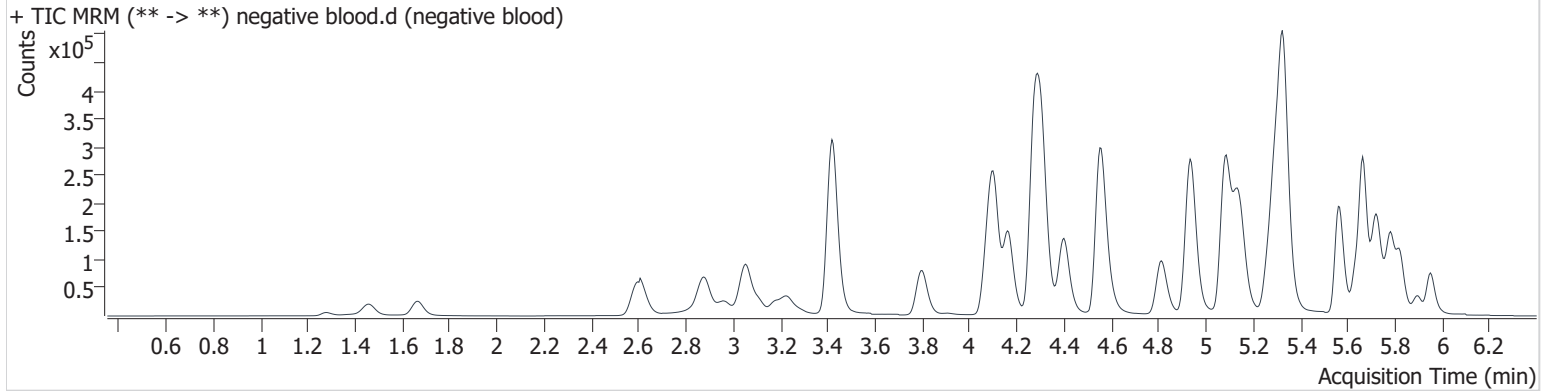
ocr = outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 7:35:08 PM		
Sample Info.			

Sample Chromatogram



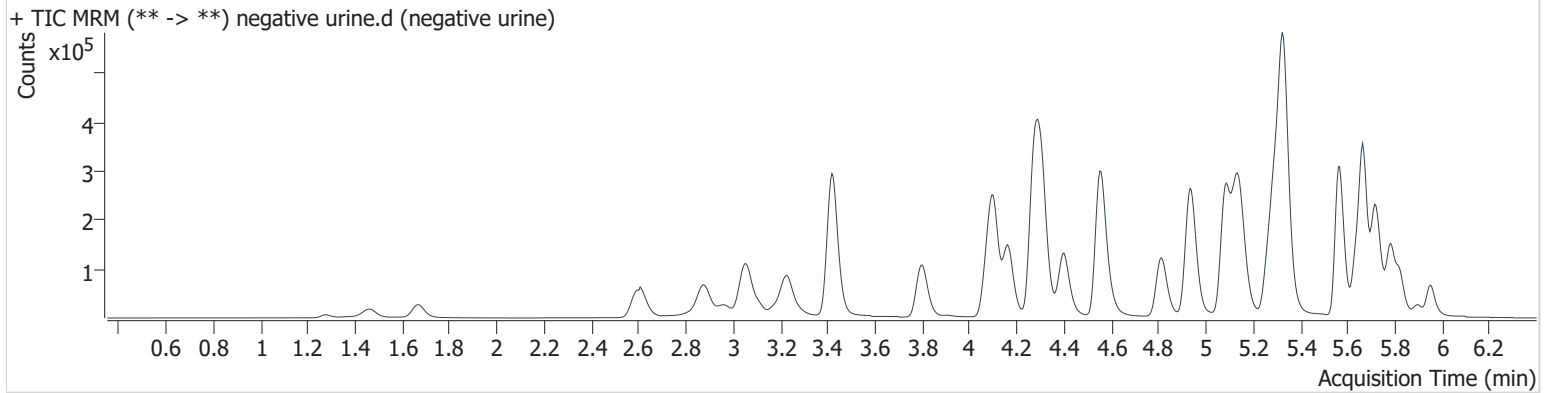


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	negative urine.d
Type	Sample	Sample	negative urine
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-G3	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 9:22:59 PM		
Sample Info.			

Sample Chromatogram

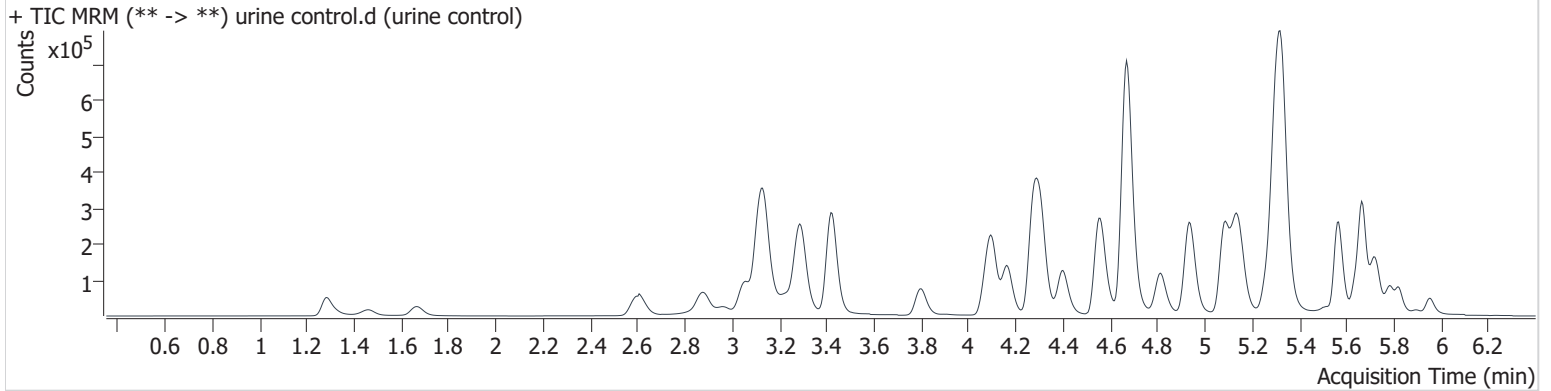


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	urine control.d
Type	Sample	Sample	urine control
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-H3	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 9:33:49 PM		
Sample Info.			

Sample Chromatogram

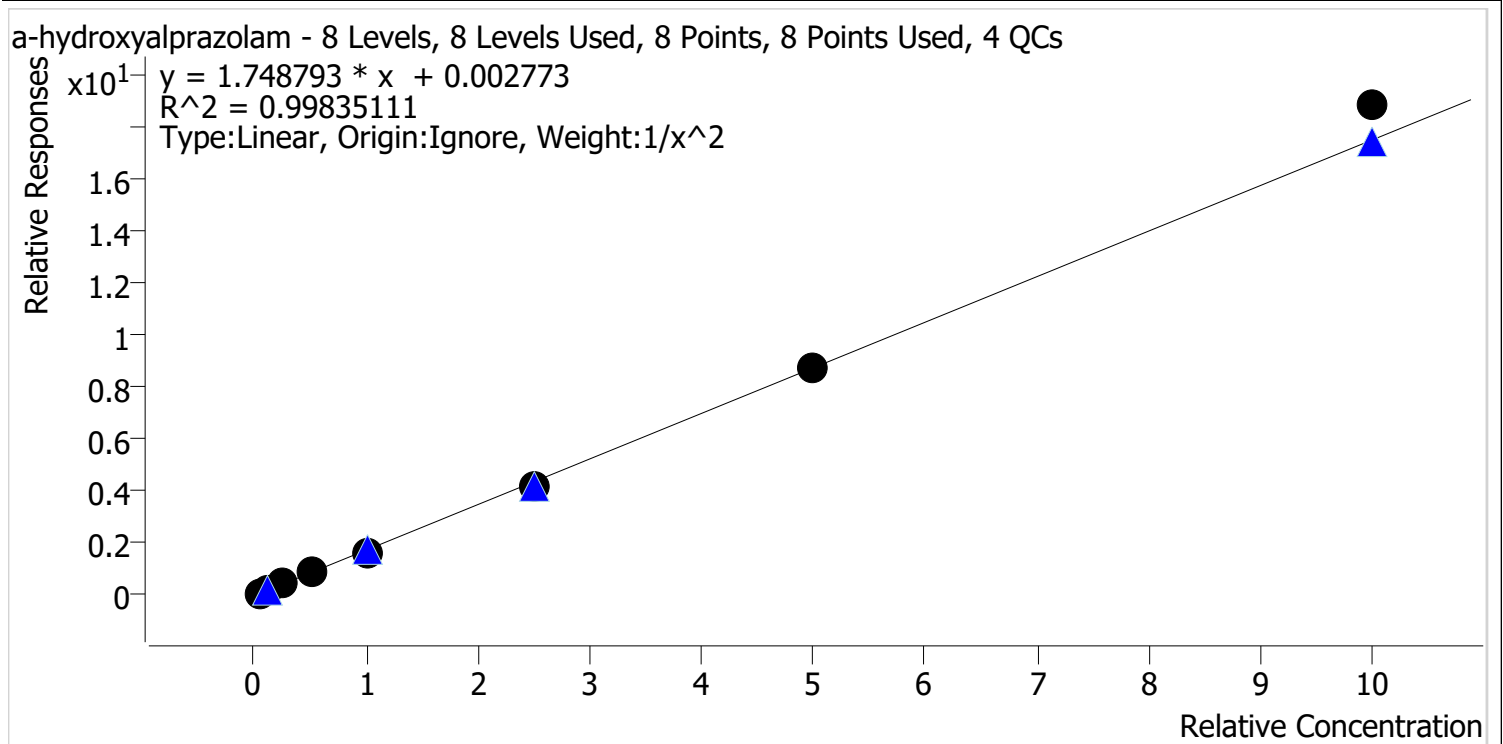


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amphetamine	3.132	897884	1396.0	53.8	3705.3	154064	123.855 ng/ml
Buprenorphine	5.842	6620	259.7	15.5	870.5	33285	6.193 ng/ml
Dextromethorphan	5.311	640151	4012.7	76.2	8104.2	263127	117.186 ng/ml
Methamphetamine	3.289	475431	564.0	39.8	272.9	159993	126.201 ng/ml
Mirtazapine	4.671	1610594	163017.5	46.9	1100.6	705660	102.760 ng/ml
Morphine	1.287	59220	146443.5	22.3	58390.7	7022	119.953 ng/ml

Compound Calibration Report

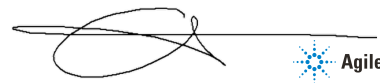


Batch results	D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin		
Last Cal. Update	9/25/2019 9:32 AM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam-D5



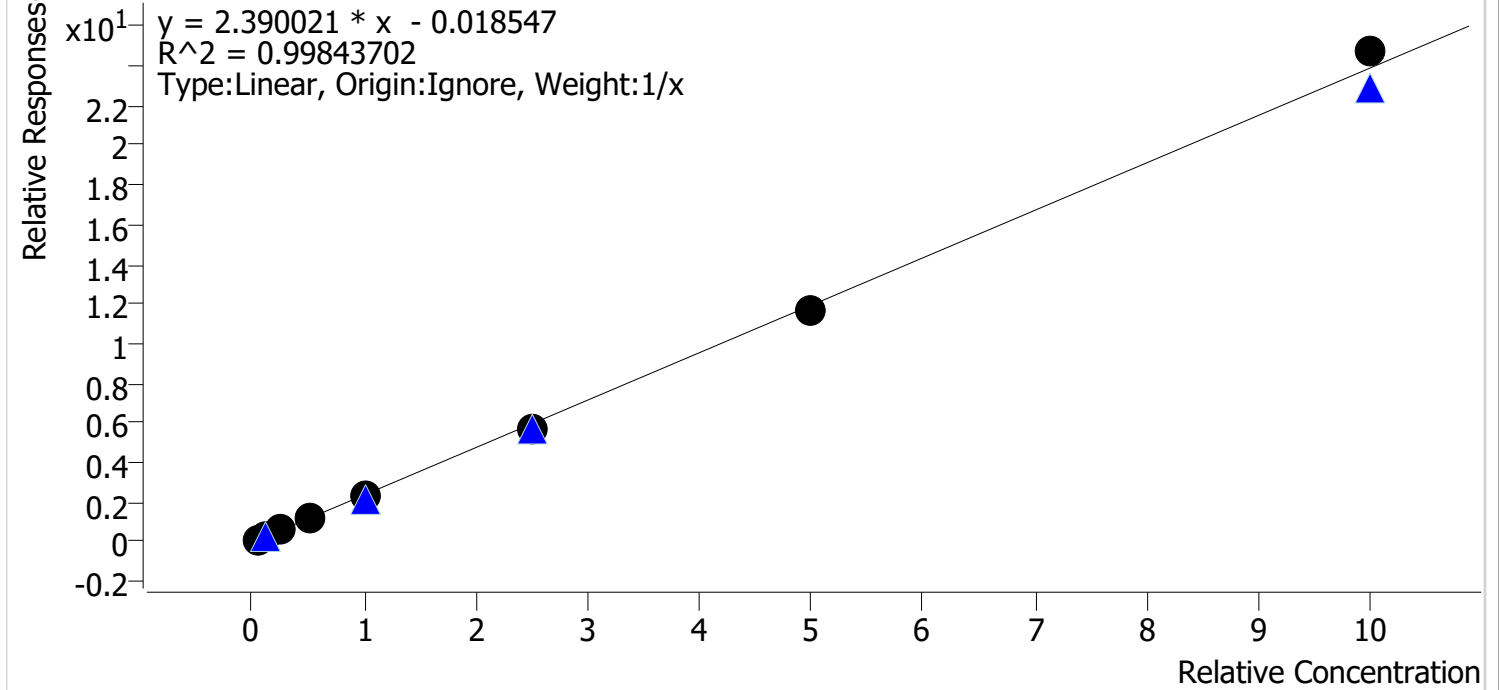
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.9
cal 2	2	✓	10.0	9.9	98.6
cal 3	3	✓	25.0	25.2	100.9
cal 4	4	✓	50.0	49.0	97.9
cal 5	5	✓	100.0	96.2	96.2
cal 6	6	✓	250.0	243.5	97.4
cal 7	7	✓	500.0	502.0	100.4
cal 8	8	✓	1000.0	1076.1	107.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

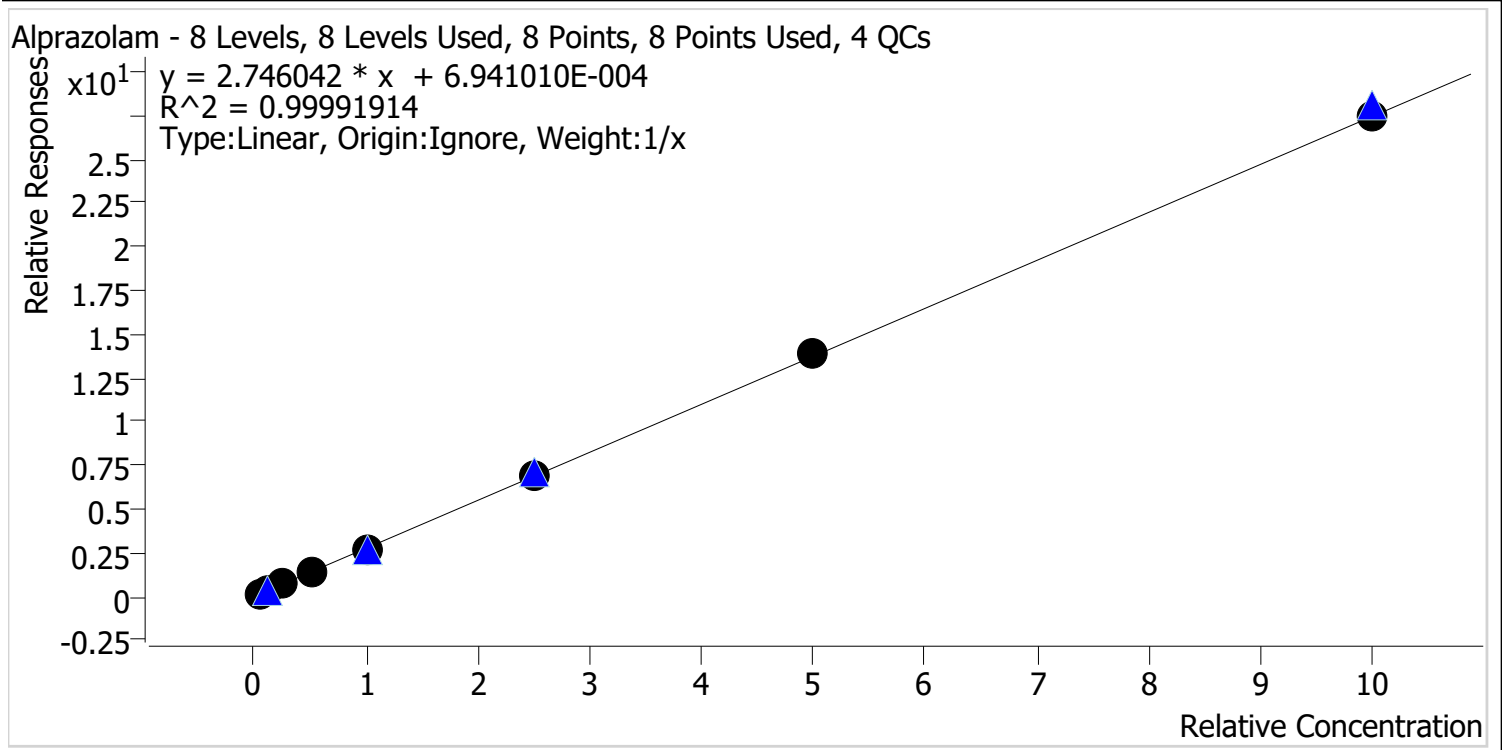
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.7	113.4
cal 2	2	✓	10.0	10.3	102.7
cal 3	3	✓	25.0	24.3	97.1
cal 4	4	✓	50.0	48.6	97.2
cal 5	5	✓	100.0	94.3	94.3
cal 6	6	✓	250.0	237.3	94.9
cal 7	7	✓	500.0	485.0	97.0
cal 8	8	✓	1000.0	1034.6	103.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

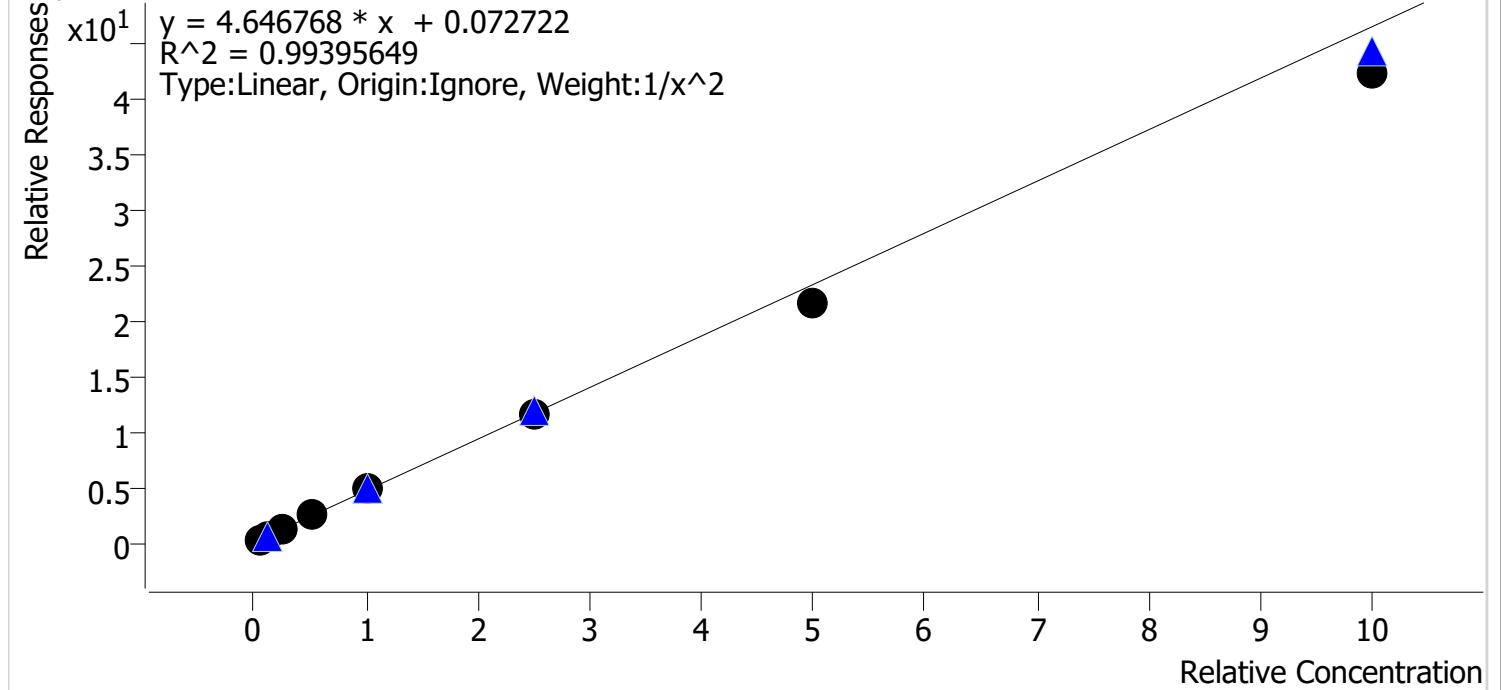


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	104.1
cal 2	2	✓	10.0	10.1	101.4
cal 3	3	✓	25.0	23.9	95.6
cal 4	4	✓	50.0	50.5	100.9
cal 5	5	✓	100.0	97.4	97.4
cal 6	6	✓	250.0	250.0	100.0
cal 7	7	✓	500.0	502.6	100.5
cal 8	8	✓	1000.0	1000.3	100.0

Compound Calibration Report

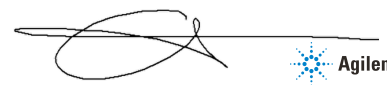
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.4
cal 2	2	✓	10.0	10.4	104.4
cal 3	3	✓	25.0	26.9	107.8
cal 4	4	✓	50.0	54.3	108.6
cal 5	5	✓	100.0	102.2	102.2
cal 6	6	✓	250.0	245.1	98.0
cal 7	7	✓	500.0	461.0	92.2
cal 8	8	✓	1000.0	913.1	91.3

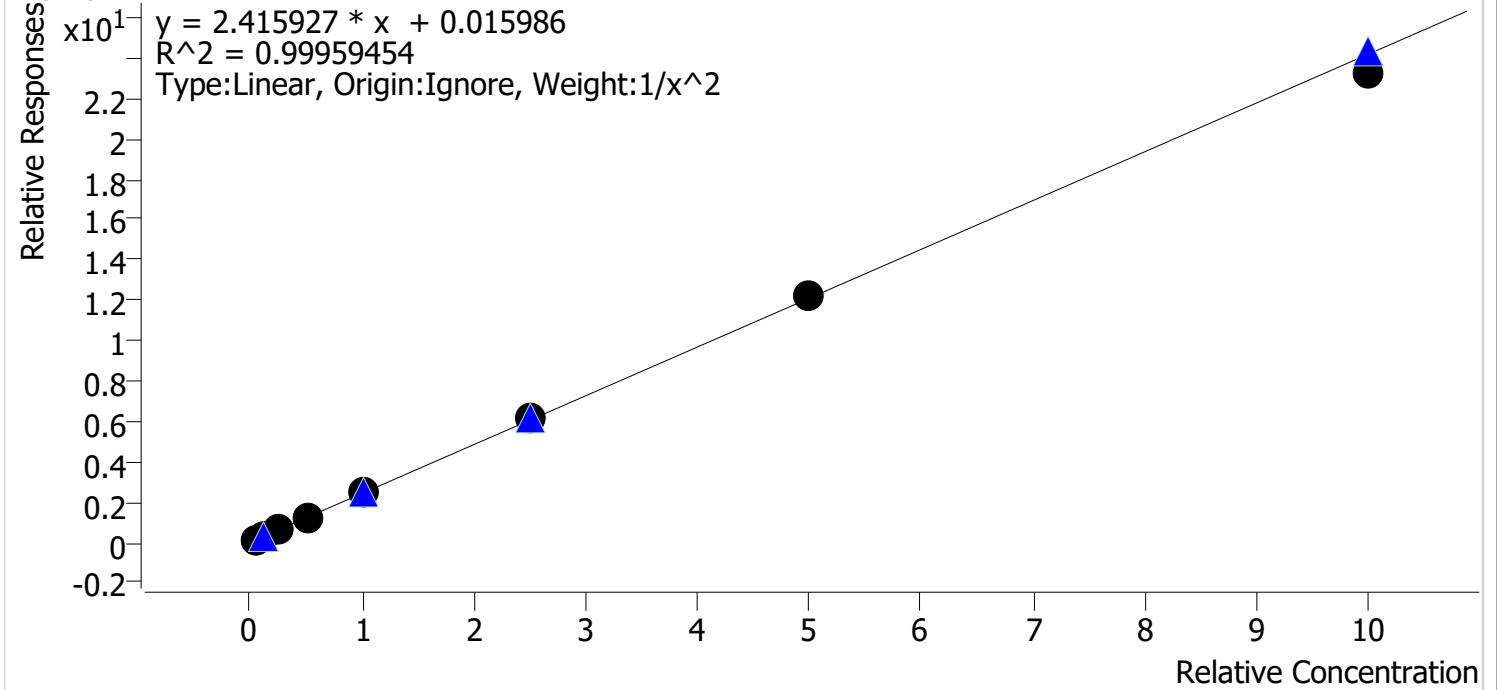
Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Bupropion

Internal Standard Bupropion-D9

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

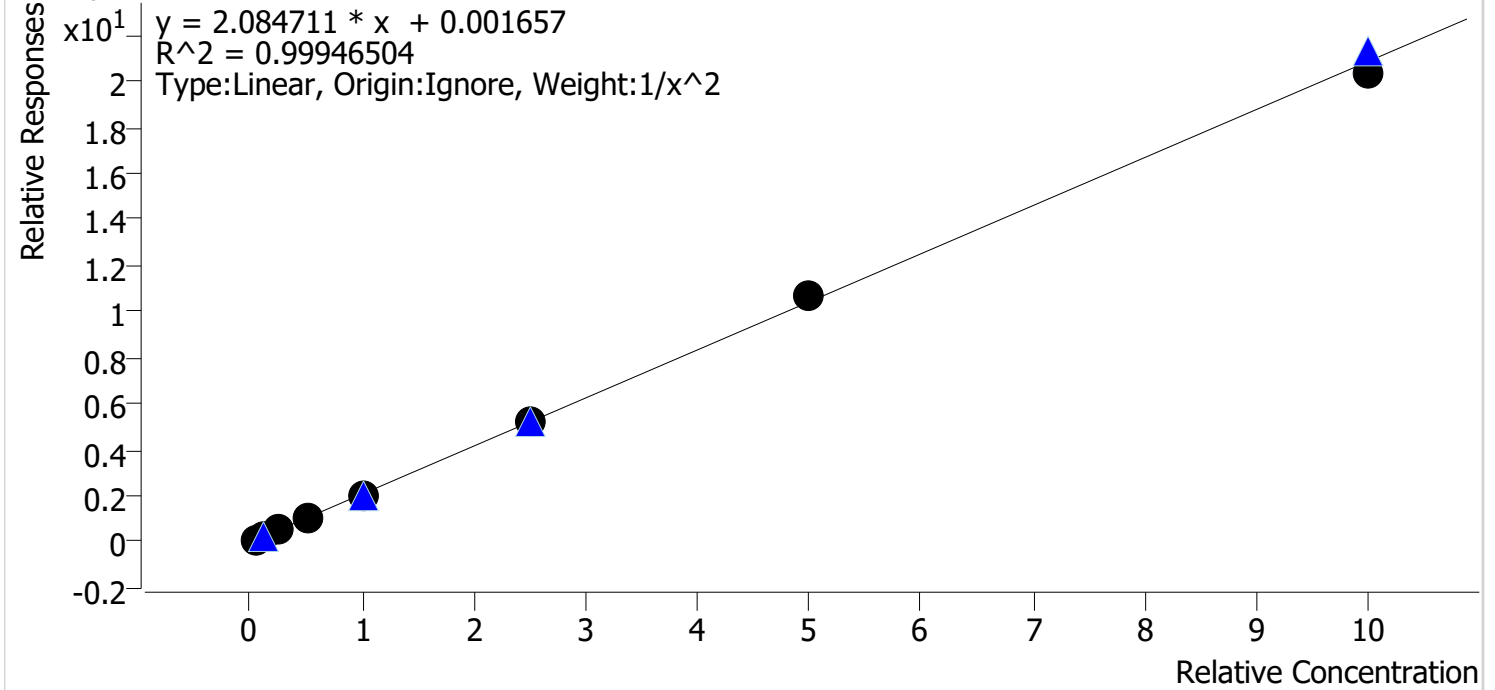


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.2
cal 2	2	✓	10.0	10.1	101.1
cal 3	3	✓	25.0	25.1	100.4
cal 4	4	✓	50.0	50.9	101.8
cal 5	5	✓	100.0	100.1	100.1
cal 6	6	✓	250.0	251.7	100.7
cal 7	7	✓	500.0	503.1	100.6
cal 8	8	✓	1000.0	961.1	96.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

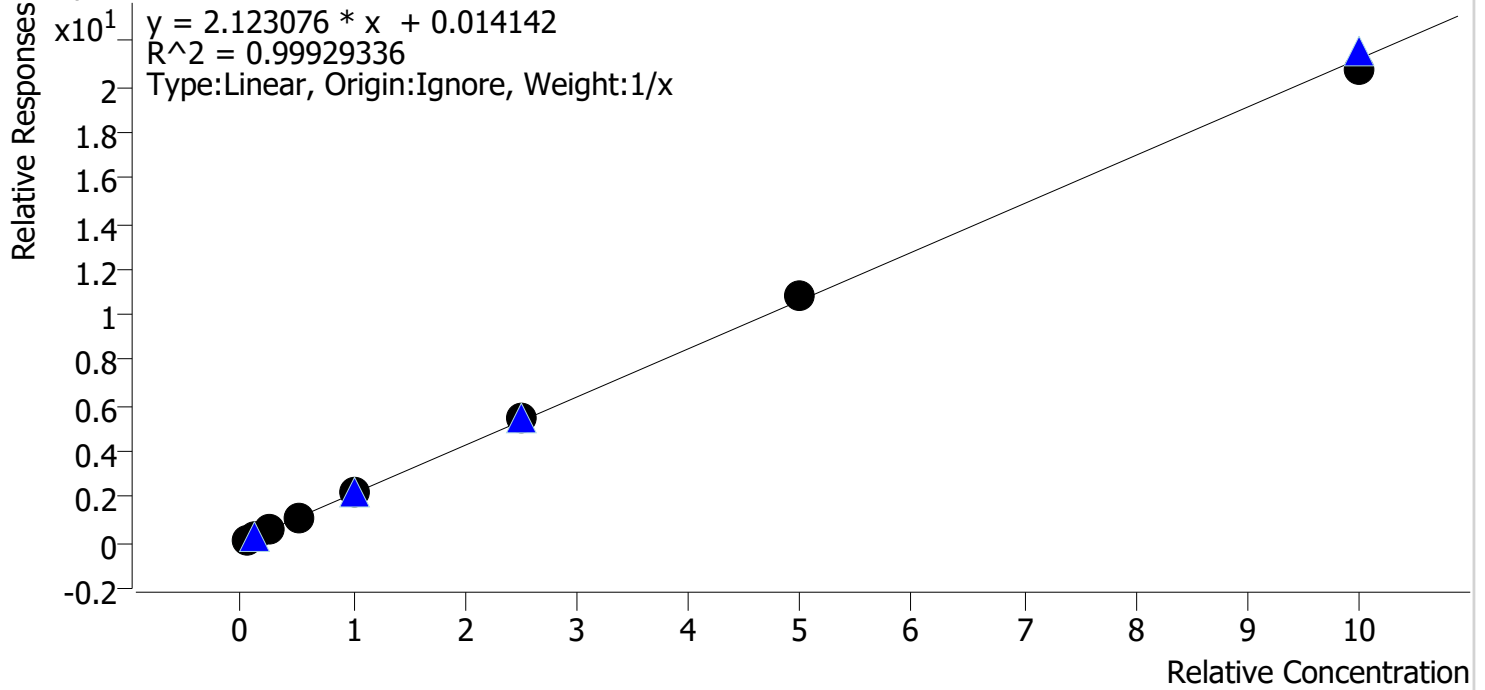


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.2
cal 2	2	✓	10.0	9.7	96.9
cal 3	3	✓	25.0	25.3	101.2
cal 4	4	✓	50.0	50.5	101.0
cal 5	5	✓	100.0	98.1	98.1
cal 6	6	✓	250.0	253.7	101.5
cal 7	7	✓	500.0	510.8	102.2
cal 8	8	✓	1000.0	978.5	97.9

Compound Calibration Report

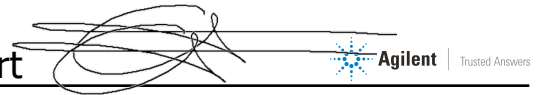
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



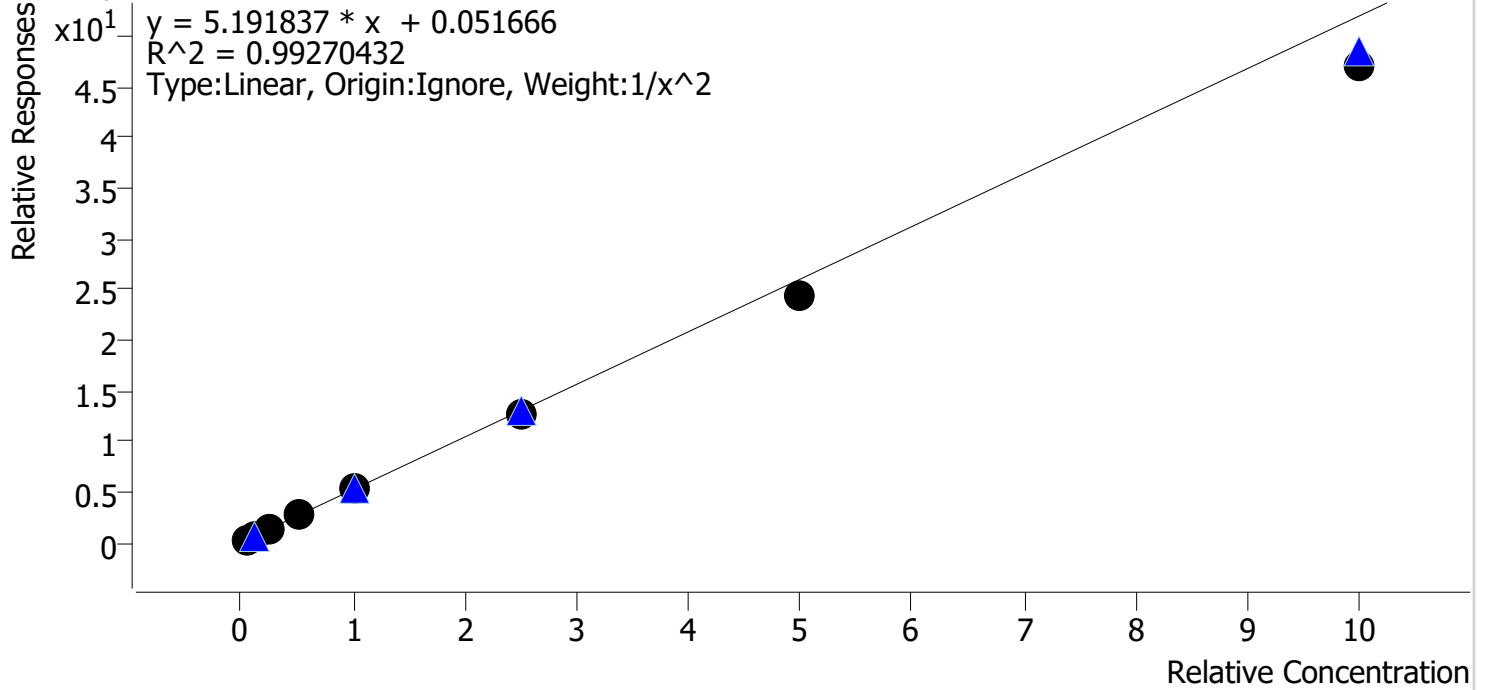
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	93.6
cal 2	2	✓	10.0	9.7	97.4
cal 3	3	✓	25.0	24.9	99.5
cal 4	4	✓	50.0	52.1	104.2
cal 5	5	✓	100.0	101.8	101.8
cal 6	6	✓	250.0	259.1	103.7
cal 7	7	✓	500.0	510.8	102.2
cal 8	8	✓	1000.0	976.9	97.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

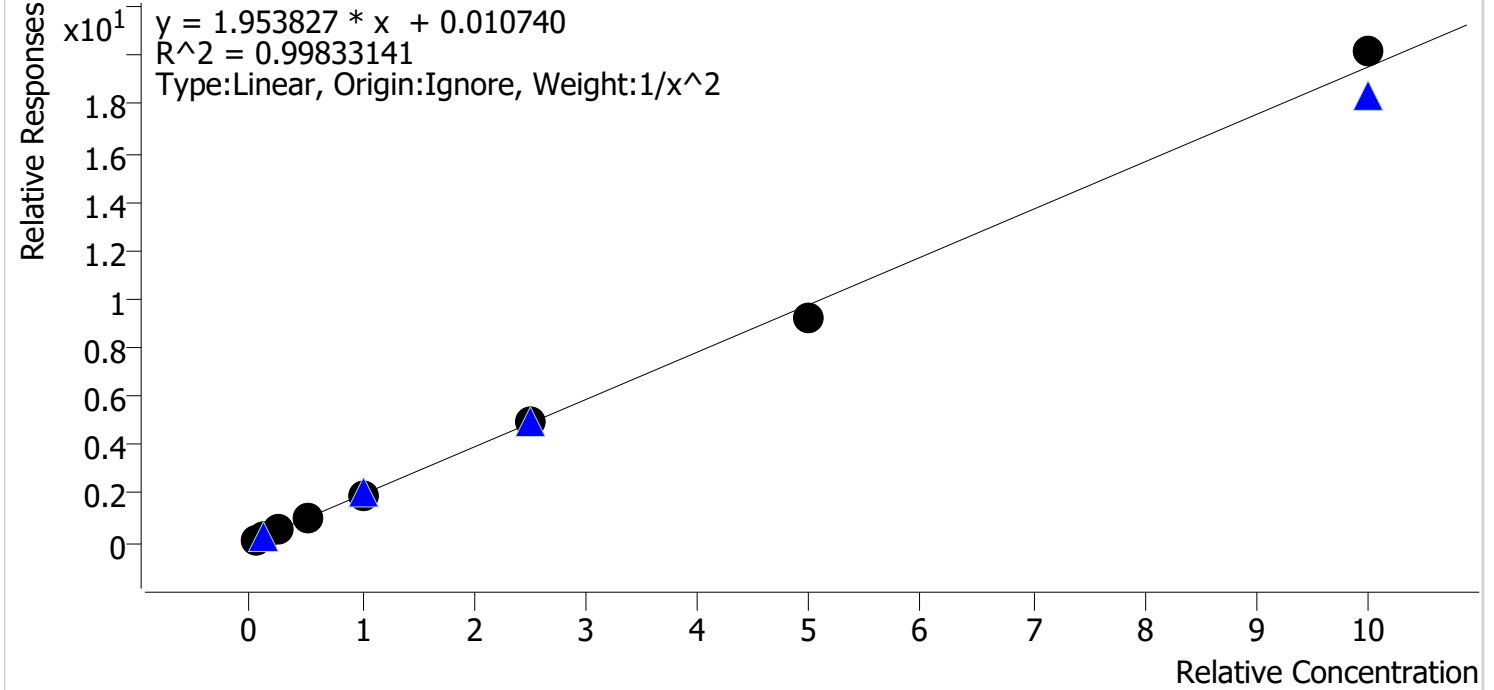


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	93.1
cal 2	2	✓	10.0	11.1	110.9
cal 3	3	✓	25.0	26.0	103.9
cal 4	4	✓	50.0	53.1	106.2
cal 5	5	✓	100.0	105.0	105.0
cal 6	6	✓	250.0	242.3	96.9
cal 7	7	✓	500.0	466.8	93.4
cal 8	8	✓	1000.0	905.9	90.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



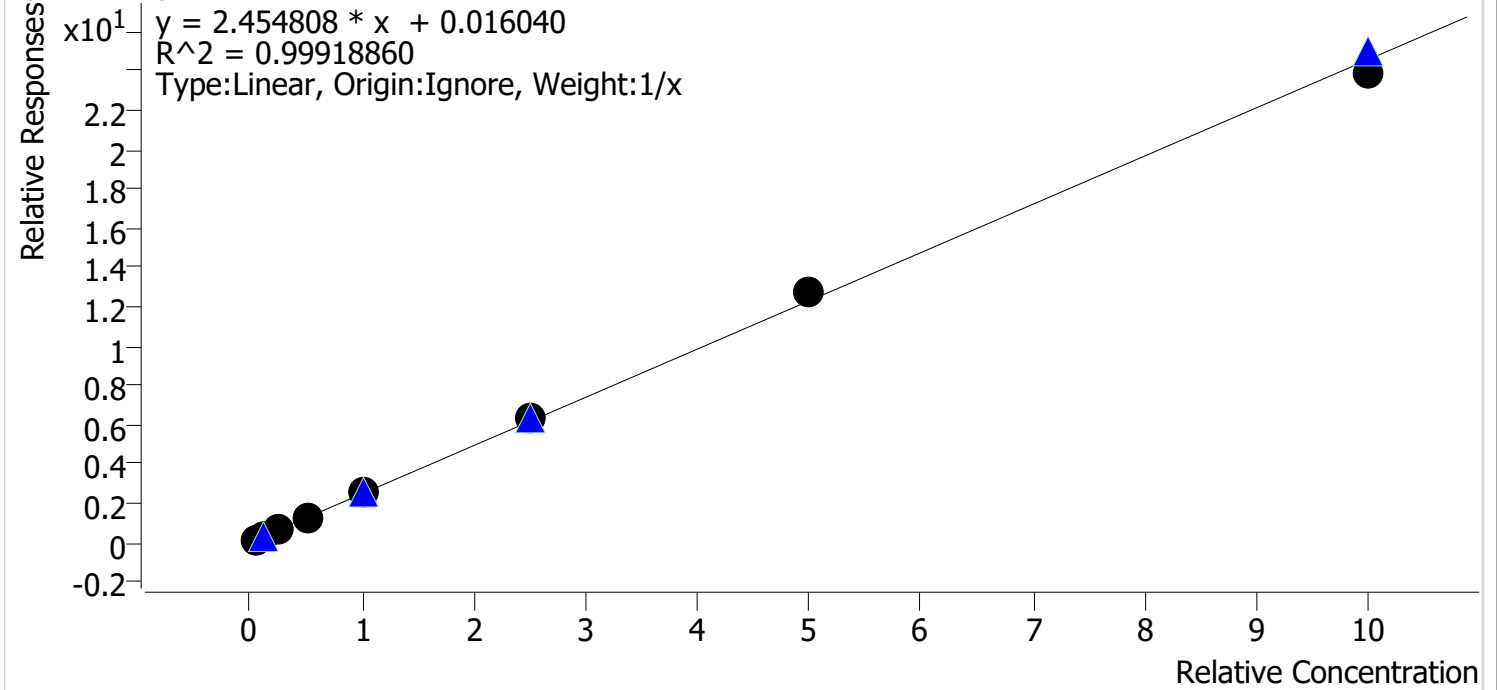
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.0
cal 2	2	✓	10.0	9.6	96.1
cal 3	3	✓	25.0	26.0	104.0
cal 4	4	✓	50.0	51.5	103.0
cal 5	5	✓	100.0	97.1	97.1
cal 6	6	✓	250.0	251.9	100.8
cal 7	7	✓	500.0	474.1	94.8
cal 8	8	✓	1000.0	1032.3	103.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.1
cal 2	2	✓	10.0	9.9	98.9
cal 3	3	✓	25.0	25.4	101.7
cal 4	4	✓	50.0	50.5	101.1
cal 5	5	✓	100.0	101.0	101.0
cal 6	6	✓	250.0	255.7	102.3
cal 7	7	✓	500.0	517.8	103.6
cal 8	8	✓	1000.0	974.9	97.5

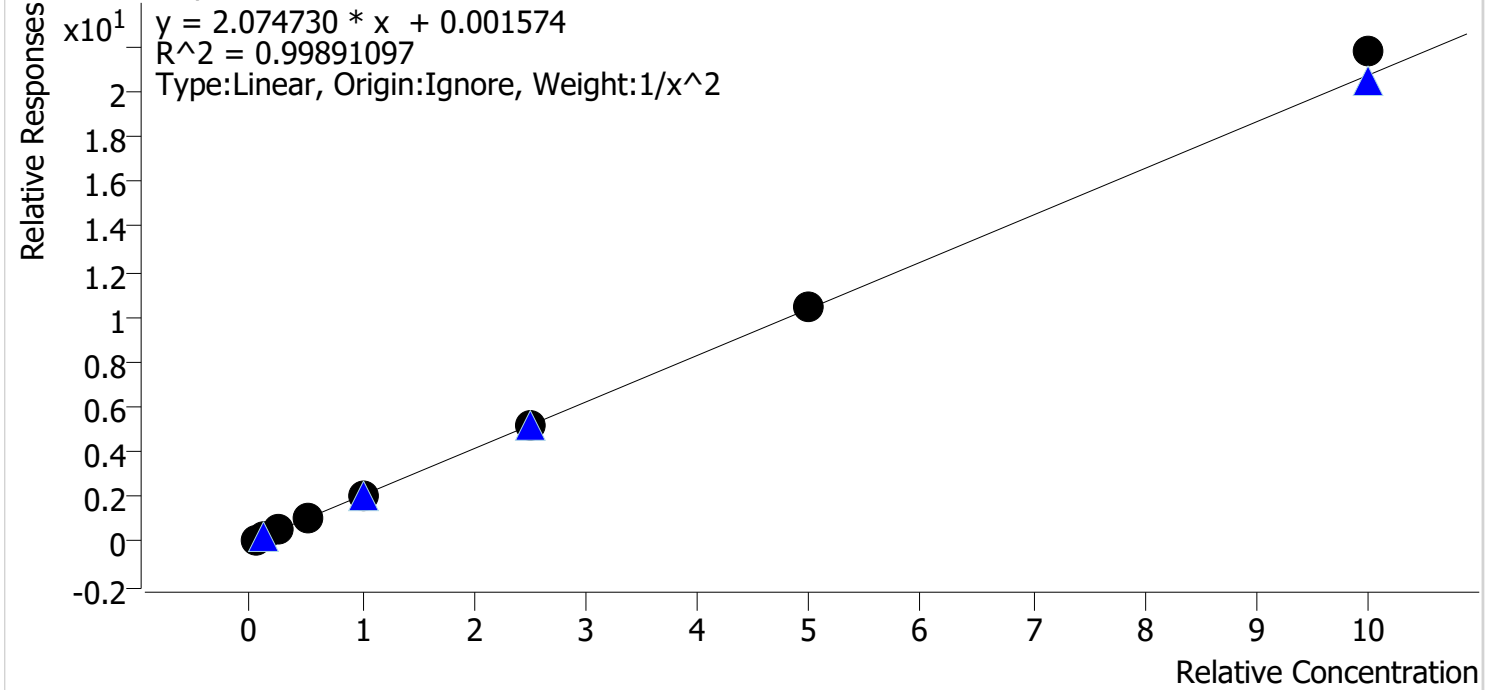
Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan

Internal Standard Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.3
cal 2	2	✓	10.0	9.8	98.2
cal 3	3	✓	25.0	25.1	100.2
cal 4	4	✓	50.0	48.5	97.1
cal 5	5	✓	100.0	95.9	95.9
cal 6	6	✓	250.0	253.0	101.2
cal 7	7	✓	500.0	504.7	100.9
cal 8	8	✓	1000.0	1050.5	105.1

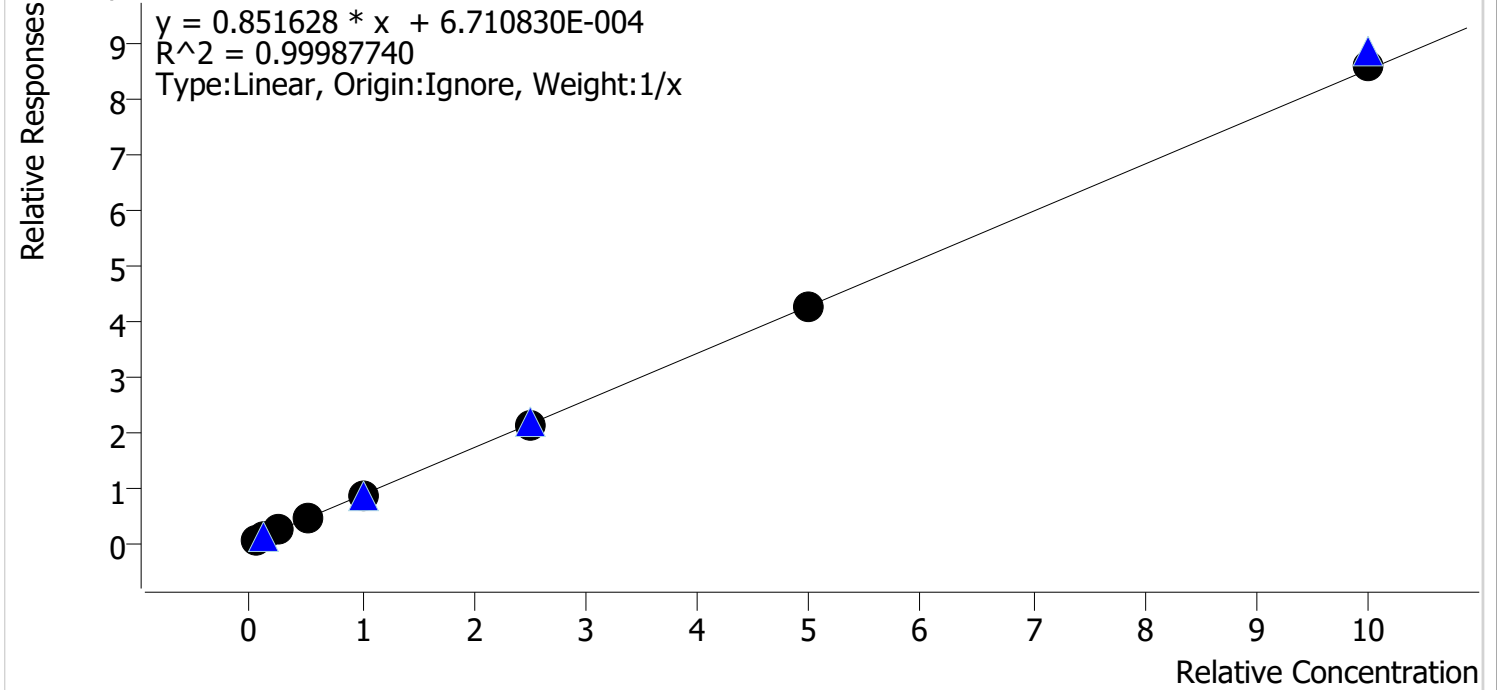
Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Dextrorphan

Internal Standard Dextrorphan-D3

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



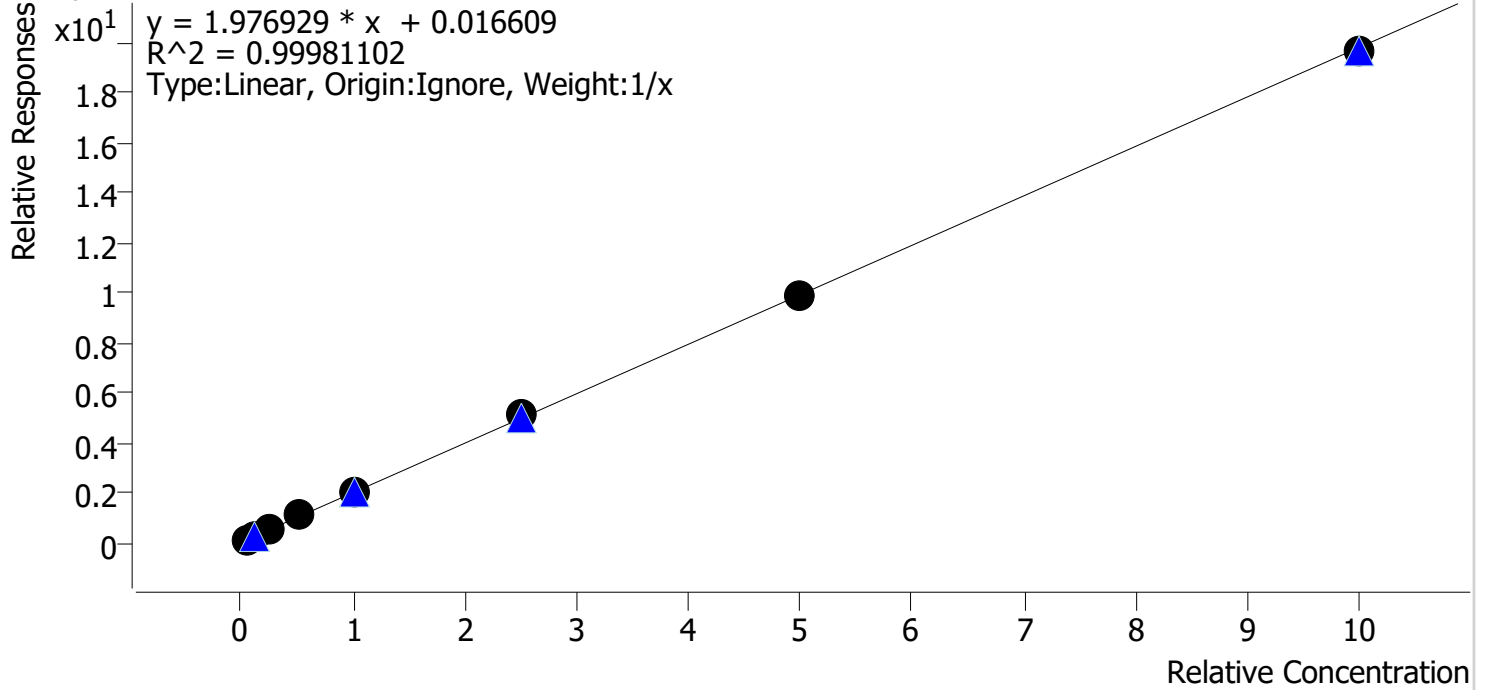
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	104.2
cal 2	2	✓	10.0	9.9	99.4
cal 3	3	✓	25.0	24.8	99.2
cal 4	4	✓	50.0	50.3	100.5
cal 5	5	✓	100.0	97.6	97.6
cal 6	6	✓	250.0	247.5	99.0
cal 7	7	✓	500.0	495.5	99.1
cal 8	8	✓	1000.0	1009.2	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



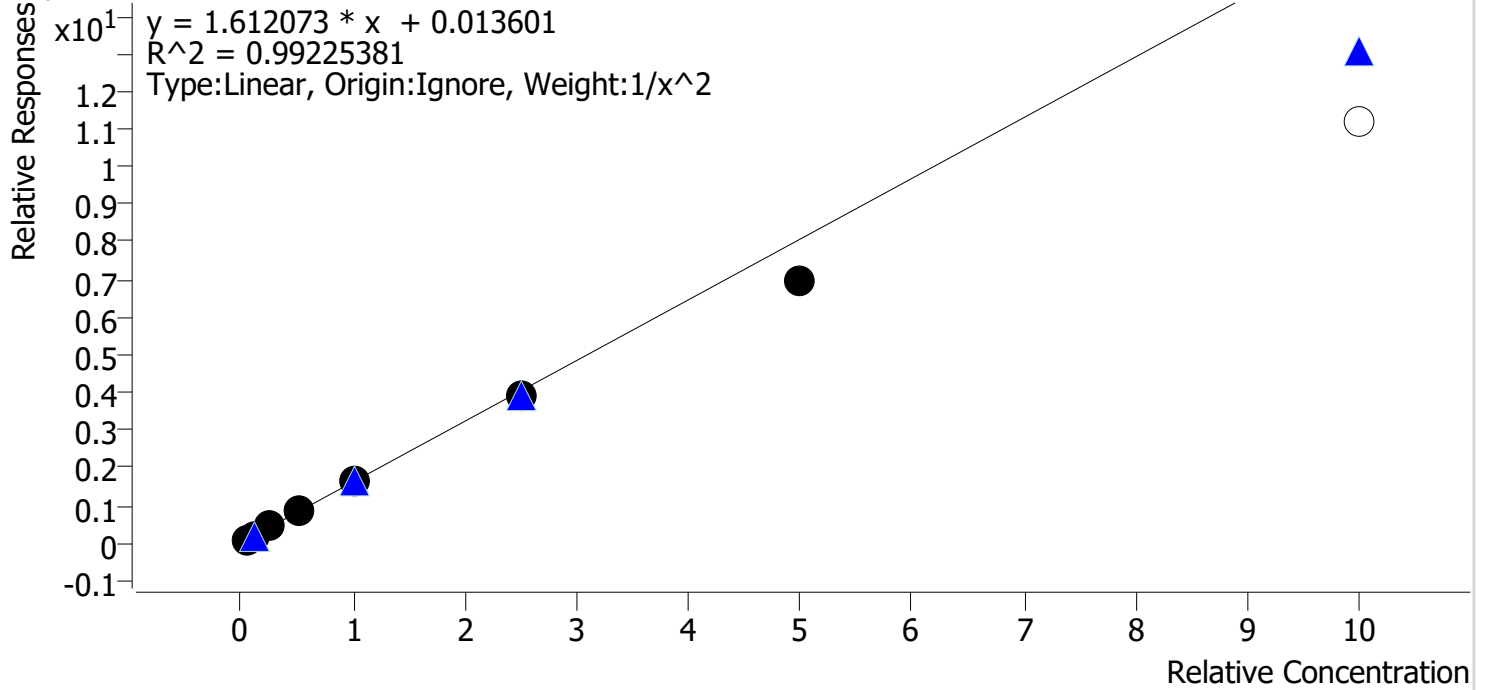
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.1
cal 2	2	✓	10.0	9.8	98.5
cal 3	3	✓	25.0	25.1	100.3
cal 4	4	✓	50.0	52.4	104.8
cal 5	5	✓	100.0	101.0	101.0
cal 6	6	✓	250.0	255.4	102.2
cal 7	7	✓	500.0	499.9	100.0
cal 8	8	✓	1000.0	991.6	99.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

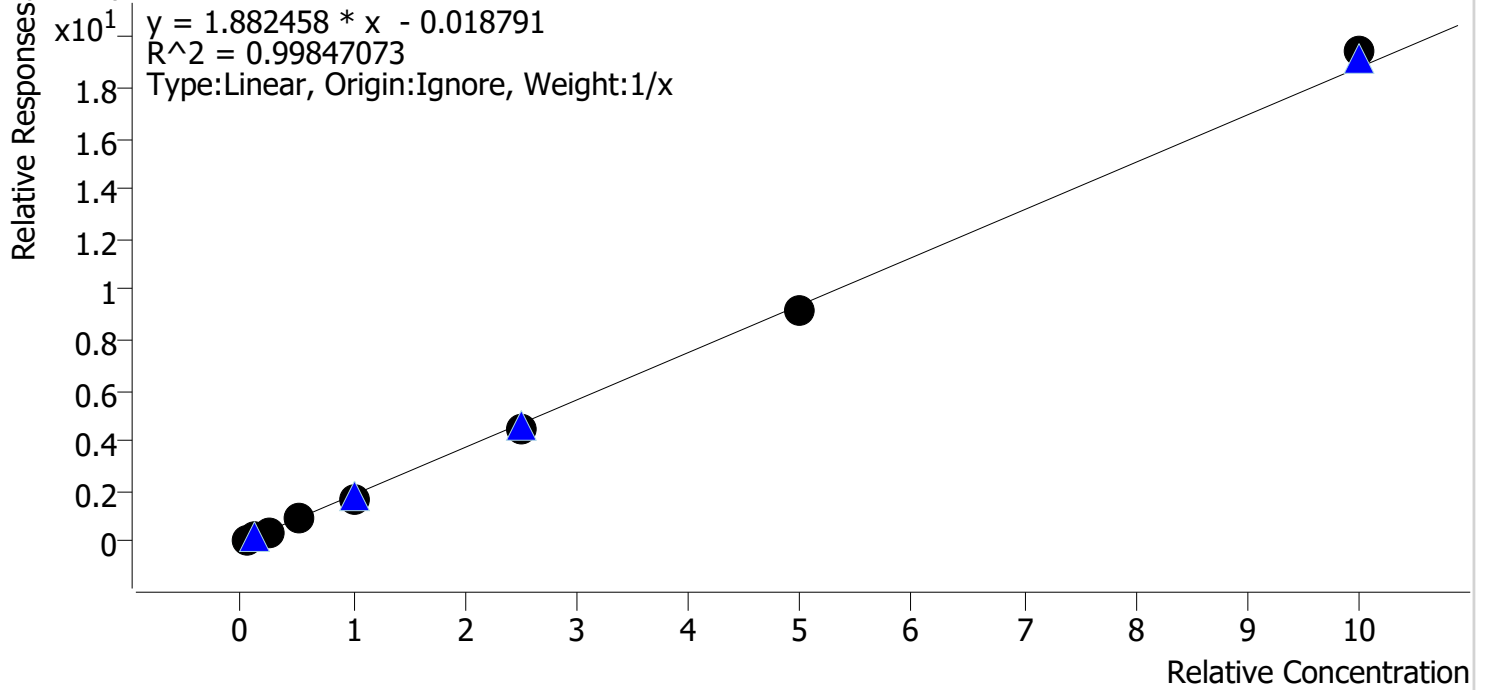


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.4
cal 2	2	✓	10.0	10.5	105.5
cal 3	3	✓	25.0	26.6	106.4
cal 4	4	✓	50.0	53.8	107.5
cal 5	5	✓	100.0	101.4	101.4
cal 6	6	✓	250.0	242.8	97.1
cal 7	7	✓	500.0	433.7	86.7
cal 8	8	✗	1000.0	695.1	69.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



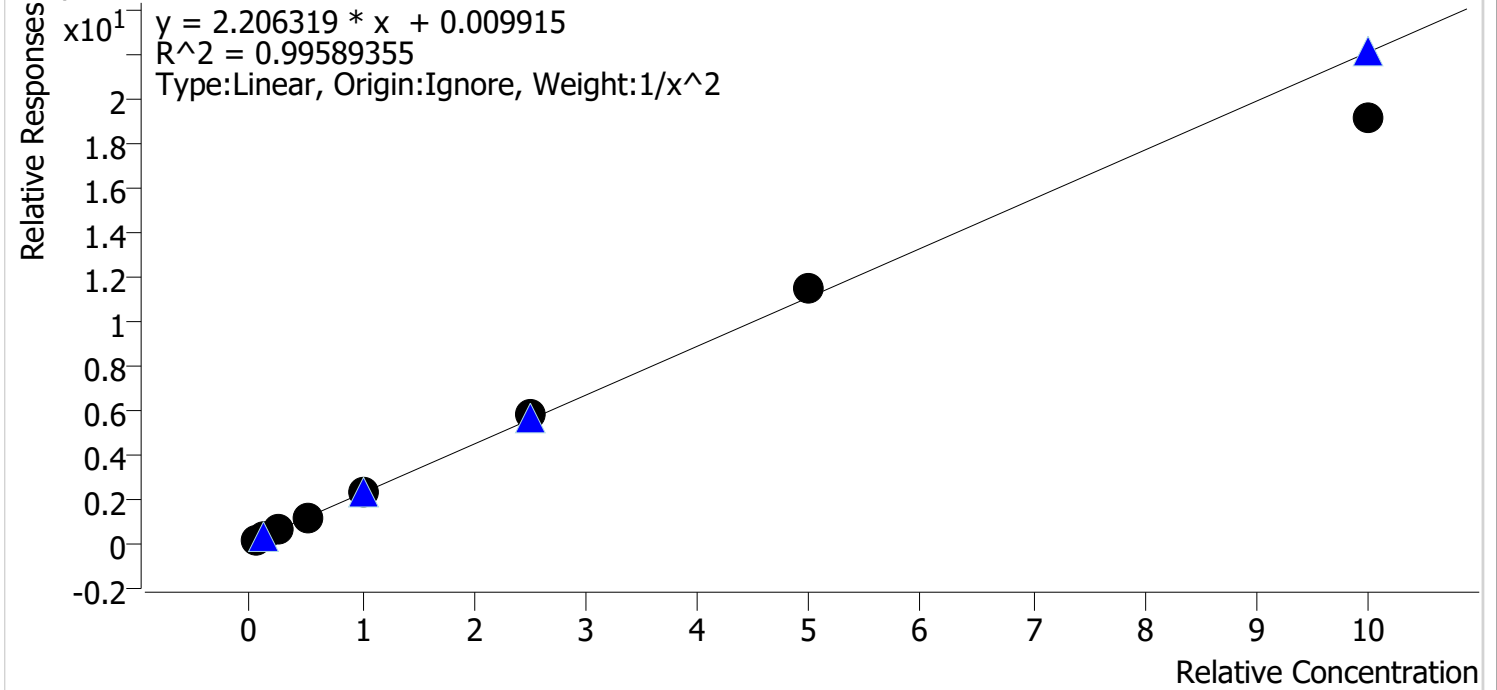
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.8	115.6
cal 2	2	✓	10.0	10.3	103.3
cal 3	3	✓	25.0	23.9	95.7
cal 4	4	✓	50.0	48.2	96.3
cal 5	5	✓	100.0	93.0	93.0
cal 6	6	✓	250.0	238.7	95.5
cal 7	7	✓	500.0	486.8	97.4
cal 8	8	✓	1000.0	1033.3	103.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



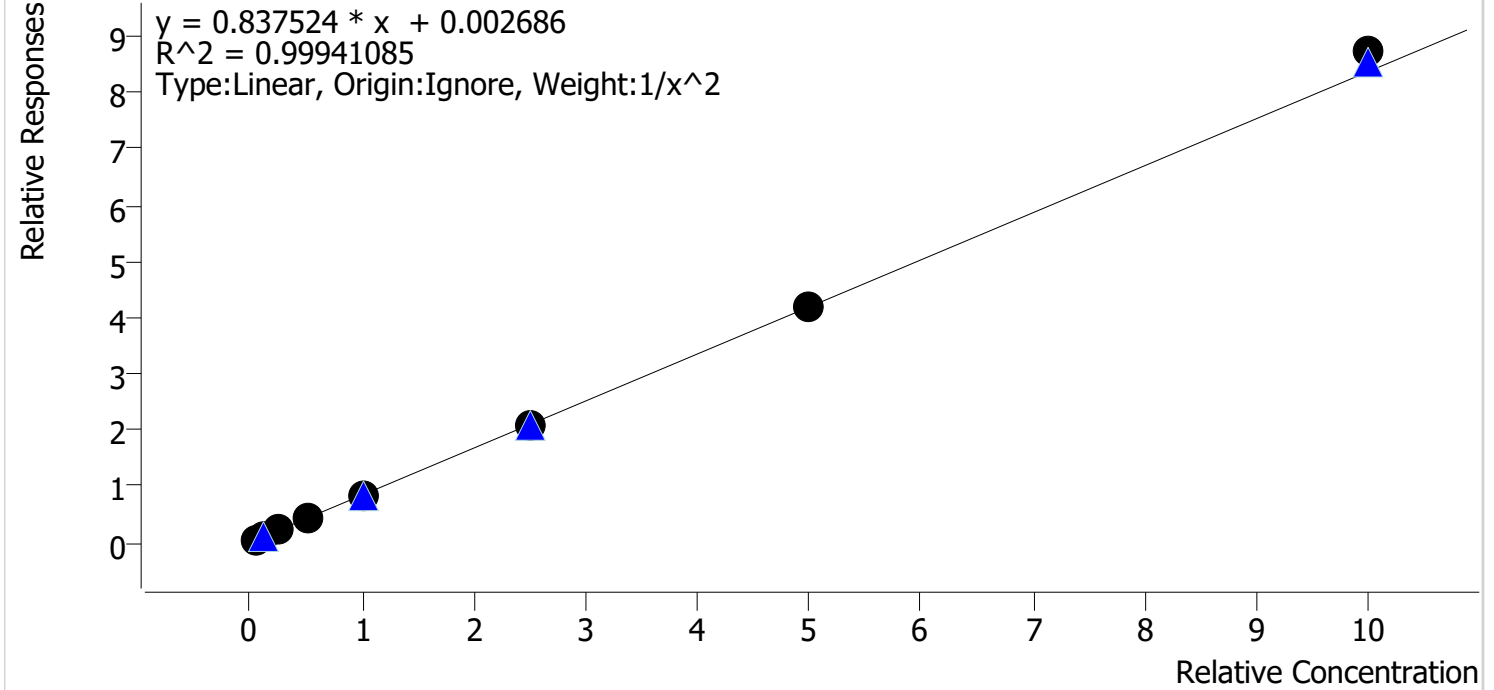
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.0
cal 2	2	✓	10.0	10.1	100.6
cal 3	3	✓	25.0	25.2	100.6
cal 4	4	✓	50.0	52.1	104.1
cal 5	5	✓	100.0	101.4	101.4
cal 6	6	✓	250.0	260.0	104.0
cal 7	7	✓	500.0	516.1	103.2
cal 8	8	✓	1000.0	869.5	87.0

Compound Calibration Report



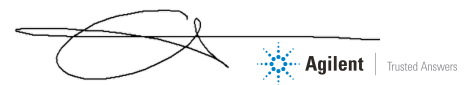
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



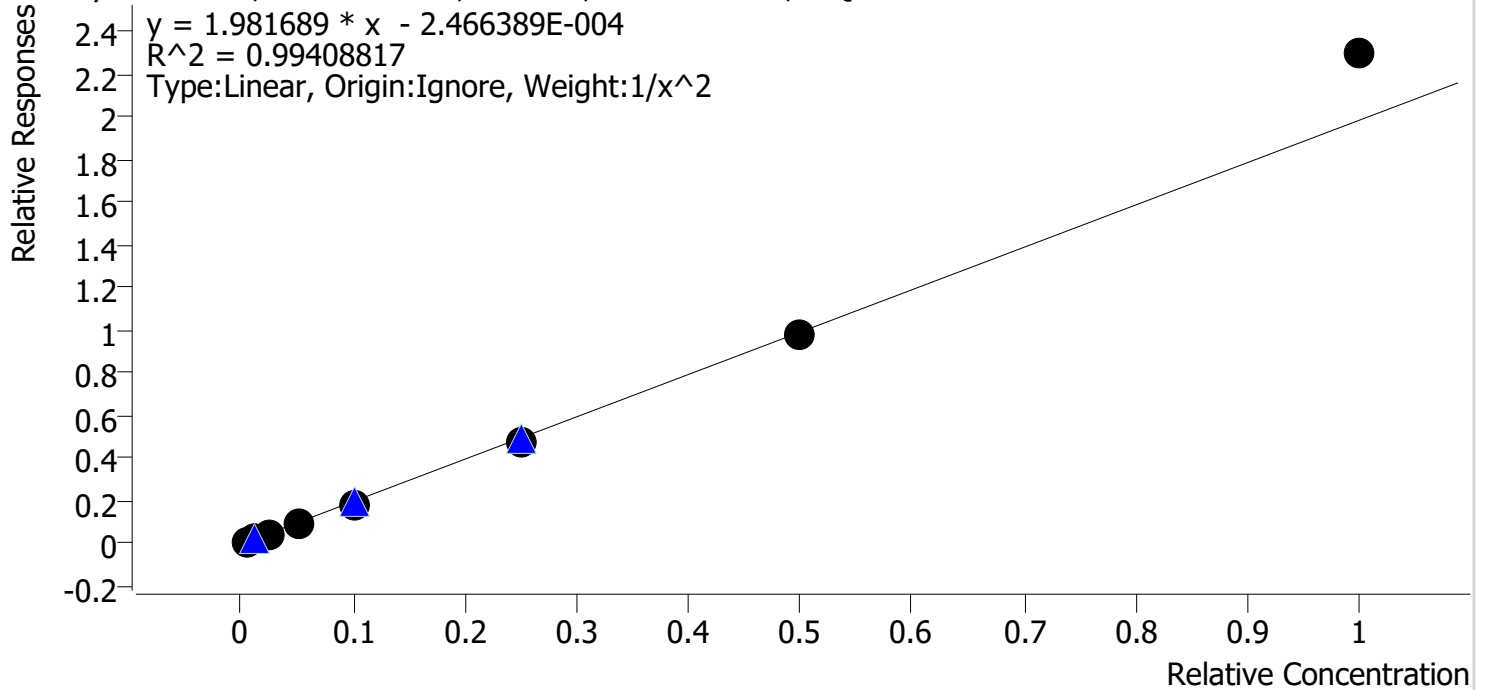
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.6
cal 2	2	✓	10.0	9.7	97.4
cal 3	3	✓	25.0	24.8	99.1
cal 4	4	✓	50.0	49.8	99.6
cal 5	5	✓	100.0	99.5	99.5
cal 6	6	✓	250.0	246.3	98.5
cal 7	7	✓	500.0	500.5	100.1
cal 8	8	✓	1000.0	1042.6	104.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

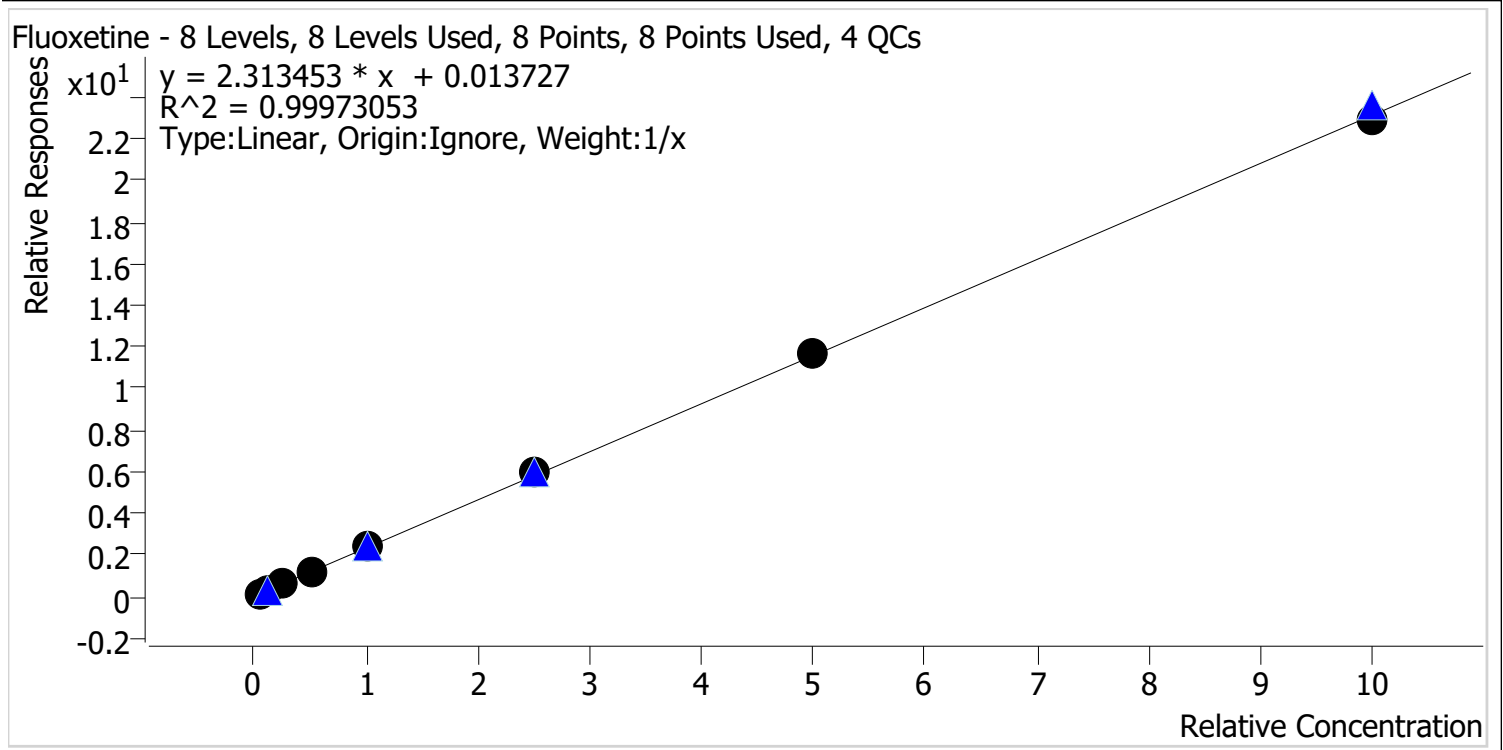
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.5	102.0
cal 2	2	✓	1.0	1.0	98.5
cal 3	3	✓	2.5	2.4	96.5
cal 4	4	✓	5.0	4.9	97.1
cal 5	5	✓	10.0	9.5	95.4
cal 6	6	✓	25.0	24.0	96.0
cal 7	7	✓	50.0	49.4	98.8
cal 8	8	✓	100.0	115.7	115.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



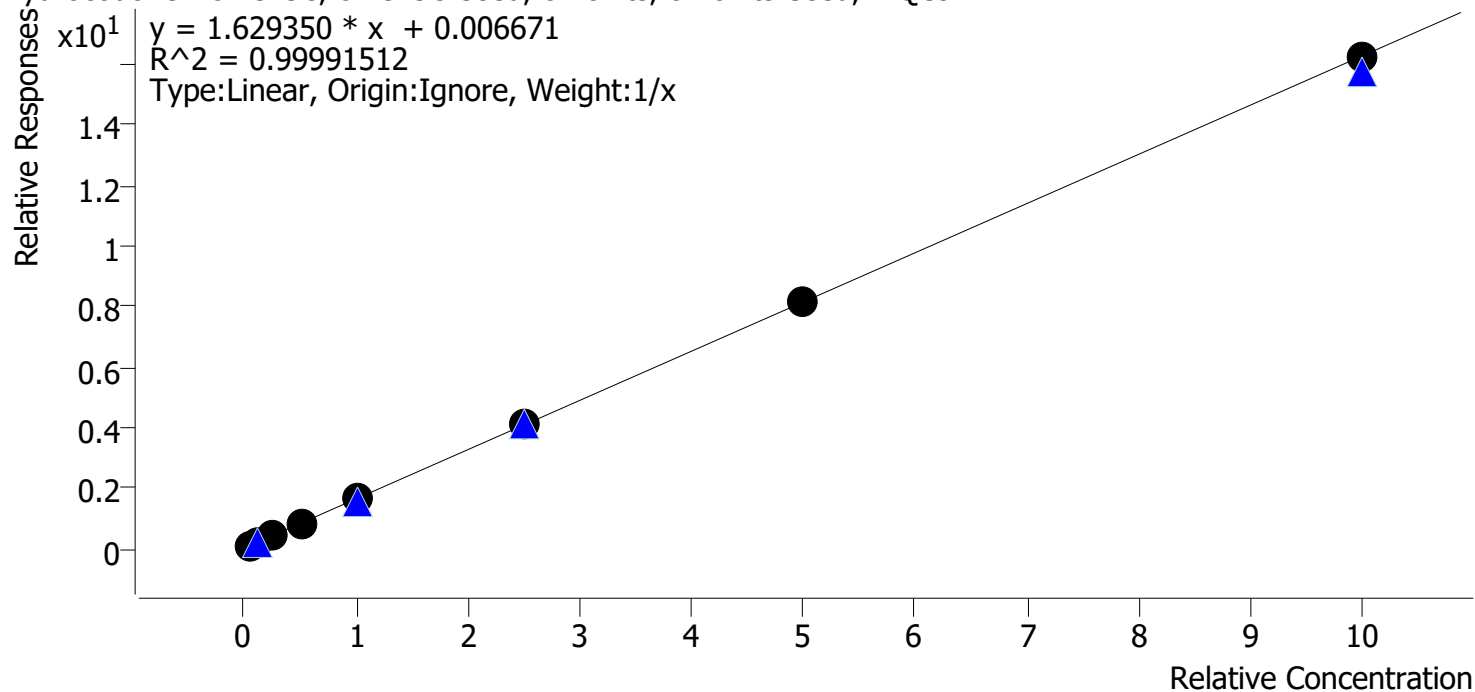
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.1
cal 2	2	✓	10.0	9.9	99.1
cal 3	3	✓	25.0	25.2	100.7
cal 4	4	✓	50.0	51.2	102.4
cal 5	5	✓	100.0	100.0	100.0
cal 6	6	✓	250.0	258.8	103.5
cal 7	7	✓	500.0	501.1	100.2
cal 8	8	✓	1000.0	989.0	98.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Hydrocodone

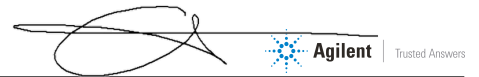
Internal Standard Hydrocodone-D6

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



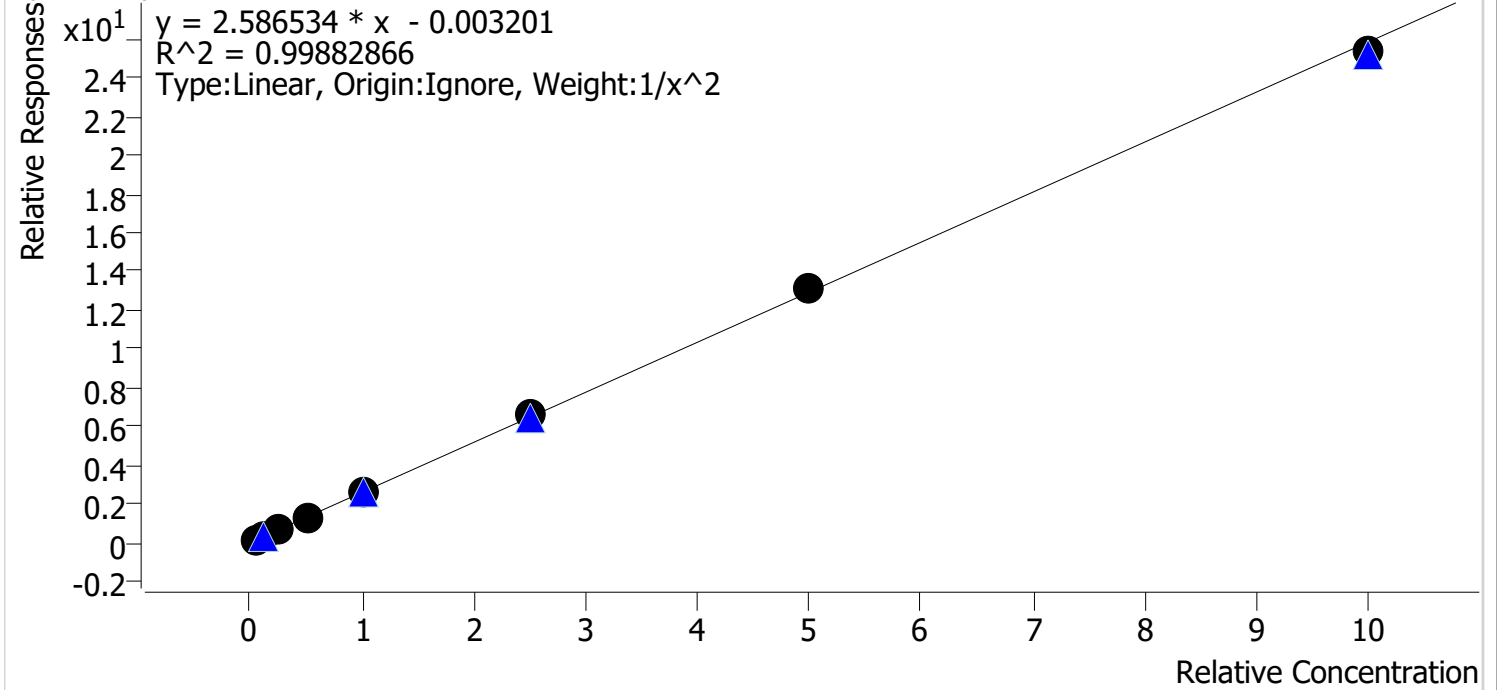
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.1
cal 2	2	✓	10.0	10.2	102.3
cal 3	3	✓	25.0	25.1	100.4
cal 4	4	✓	50.0	52.1	104.3
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	250.6	100.2
cal 7	7	✓	500.0	501.9	100.4
cal 8	8	✓	1000.0	996.6	99.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



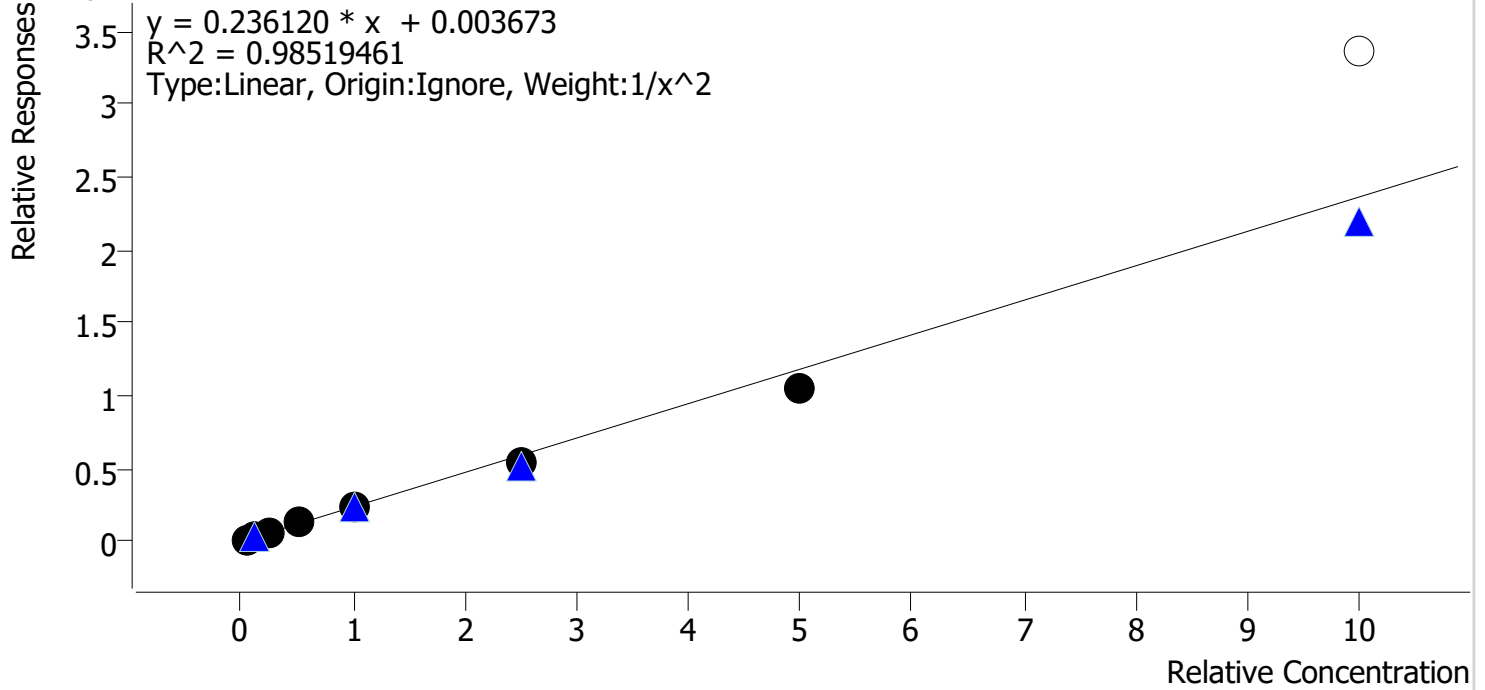
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	102.8
cal 2	2	✓	10.0	9.3	93.5
cal 3	3	✓	25.0	25.3	101.1
cal 4	4	✓	50.0	51.0	101.9
cal 5	5	✓	100.0	100.1	100.1
cal 6	6	✓	250.0	253.1	101.2
cal 7	7	✓	500.0	506.1	101.2
cal 8	8	✓	1000.0	981.0	98.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.6	92.6
cal 2	2	✓	10.0	10.9	109.1
cal 3	3	✓	25.0	27.7	110.8
cal 4	4	✓	50.0	56.0	112.0
cal 5	5	✓	100.0	97.1	97.1
cal 6	6	✓	250.0	225.6	90.3
cal 7	7	✓	500.0	440.6	88.1
cal 8	8	x	1000.0	1422.3	142.2

Compound Calibration Report

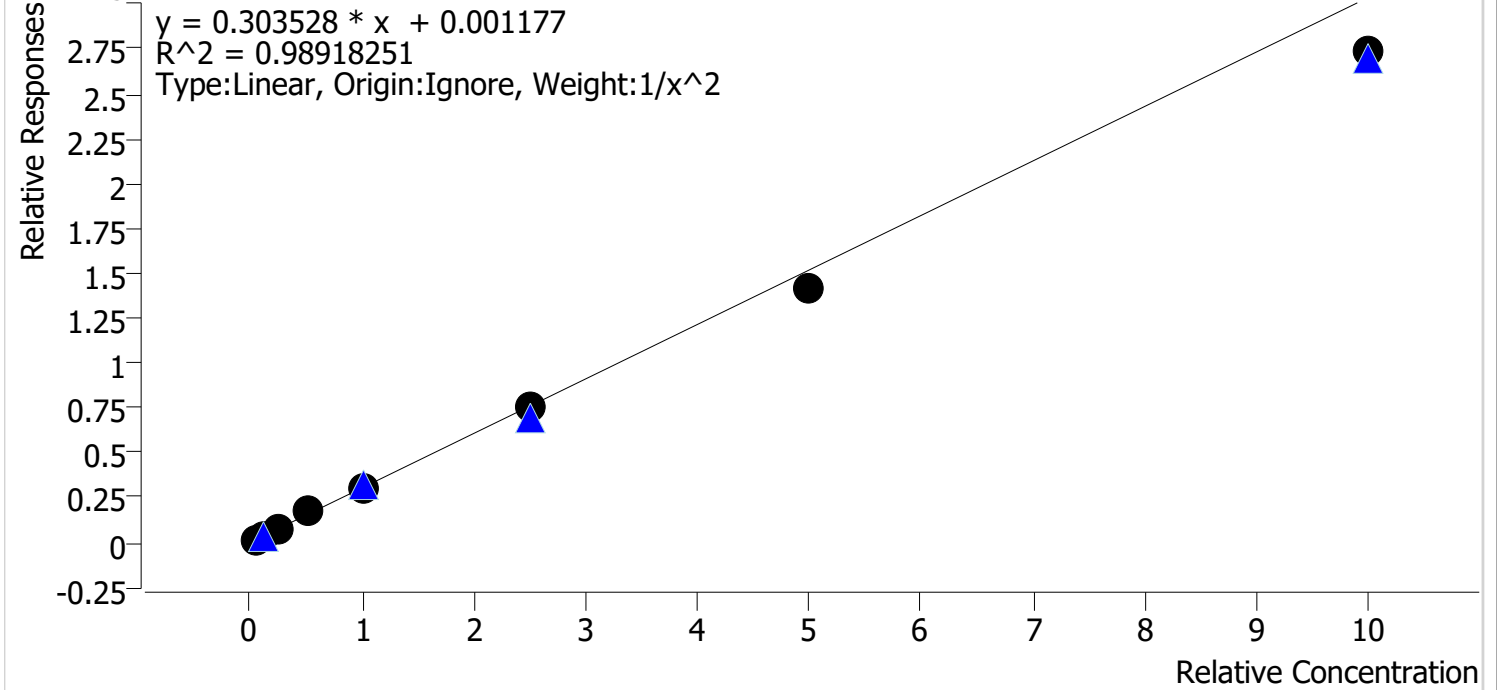


Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Lamotrigine

Internal Standard

Dextromethorphan-D3

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



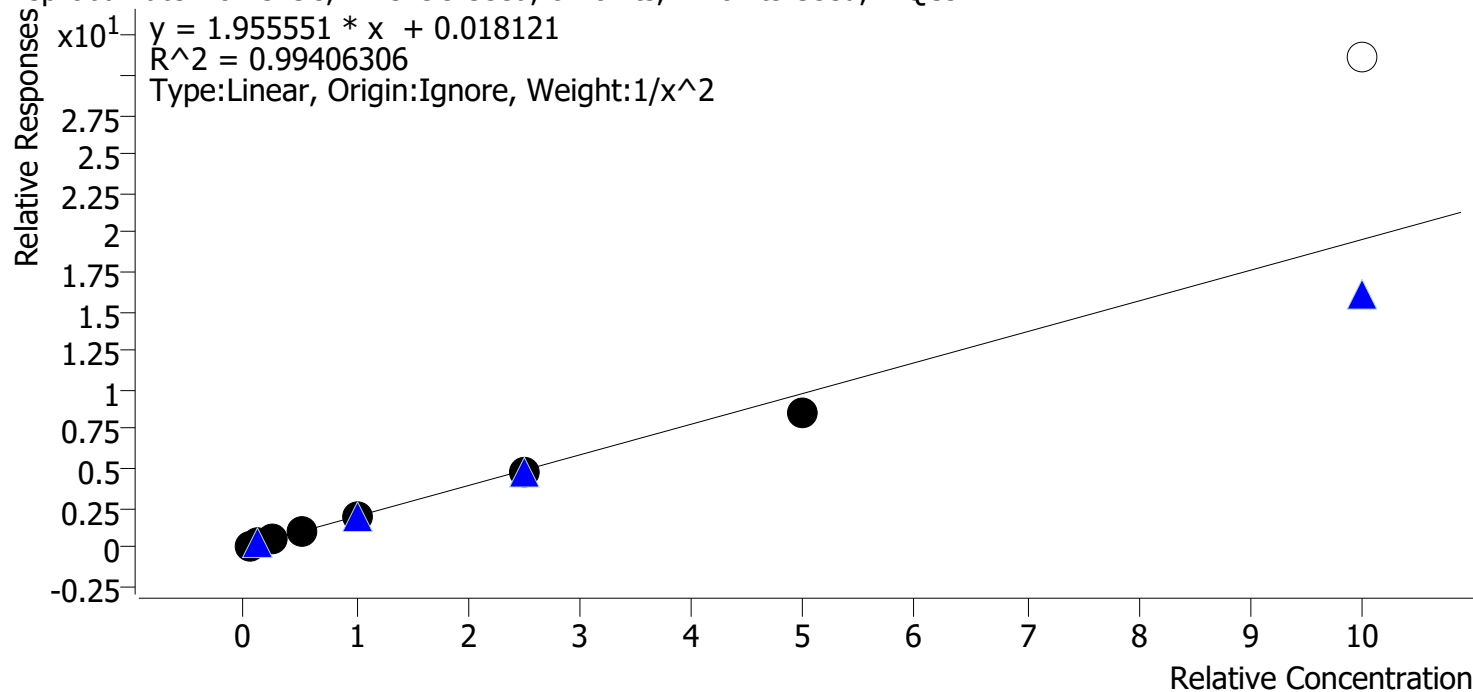
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.5
cal 2	2	✓	10.0	10.9	108.6
cal 3	3	✓	25.0	24.5	98.0
cal 4	4	✓	50.0	59.0	117.9
cal 5	5	✓	100.0	97.4	97.4
cal 6	6	✓	250.0	250.0	100.0
cal 7	7	✓	500.0	467.3	93.5
cal 8	8	✓	1000.0	900.8	90.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Meprobamate

Internal Standard Meprobamate-D7

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



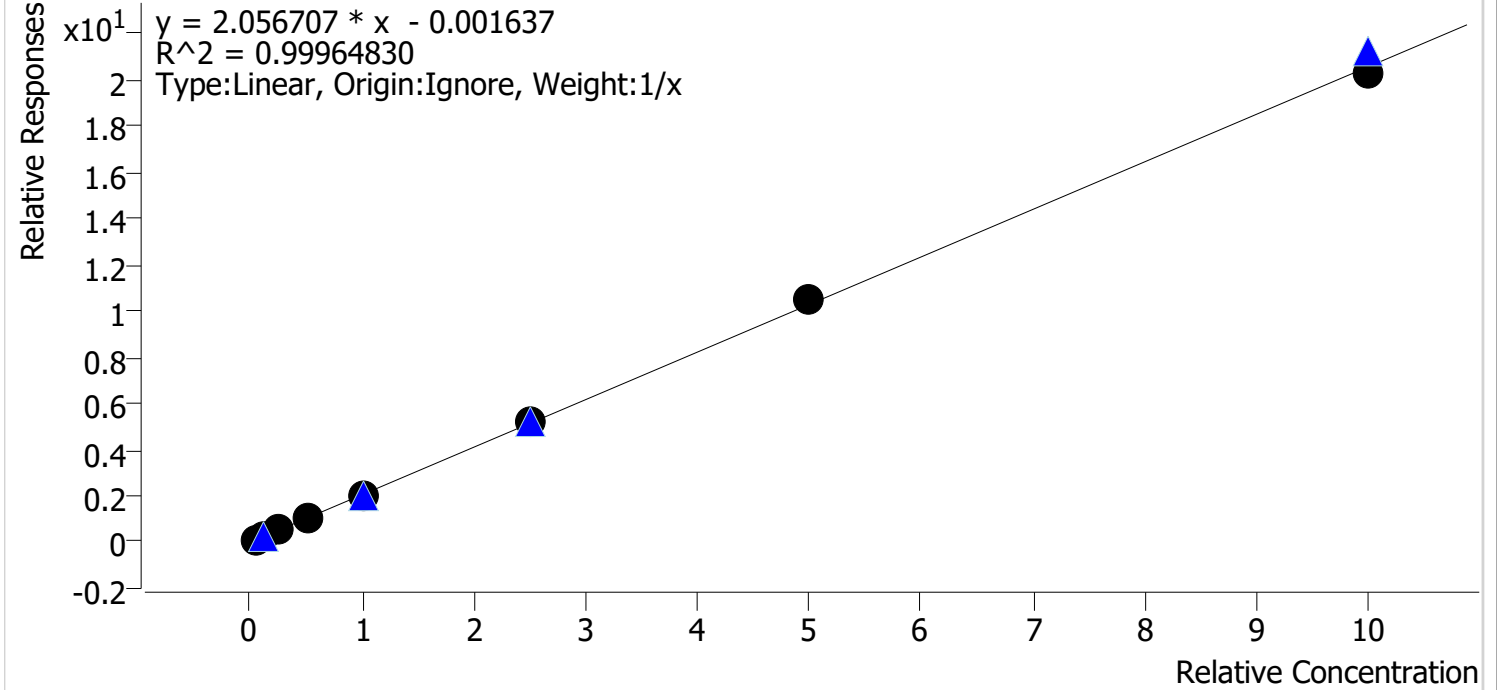
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	96.7
cal 2	2	✓	10.0	10.3	103.2
cal 3	3	✓	25.0	26.3	105.0
cal 4	4	✓	50.0	53.7	107.4
cal 5	5	✓	100.0	102.0	102.0
cal 6	6	✓	250.0	244.4	97.8
cal 7	7	✓	500.0	439.5	87.9
cal 8	8	✗	1000.0	1591.2	159.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



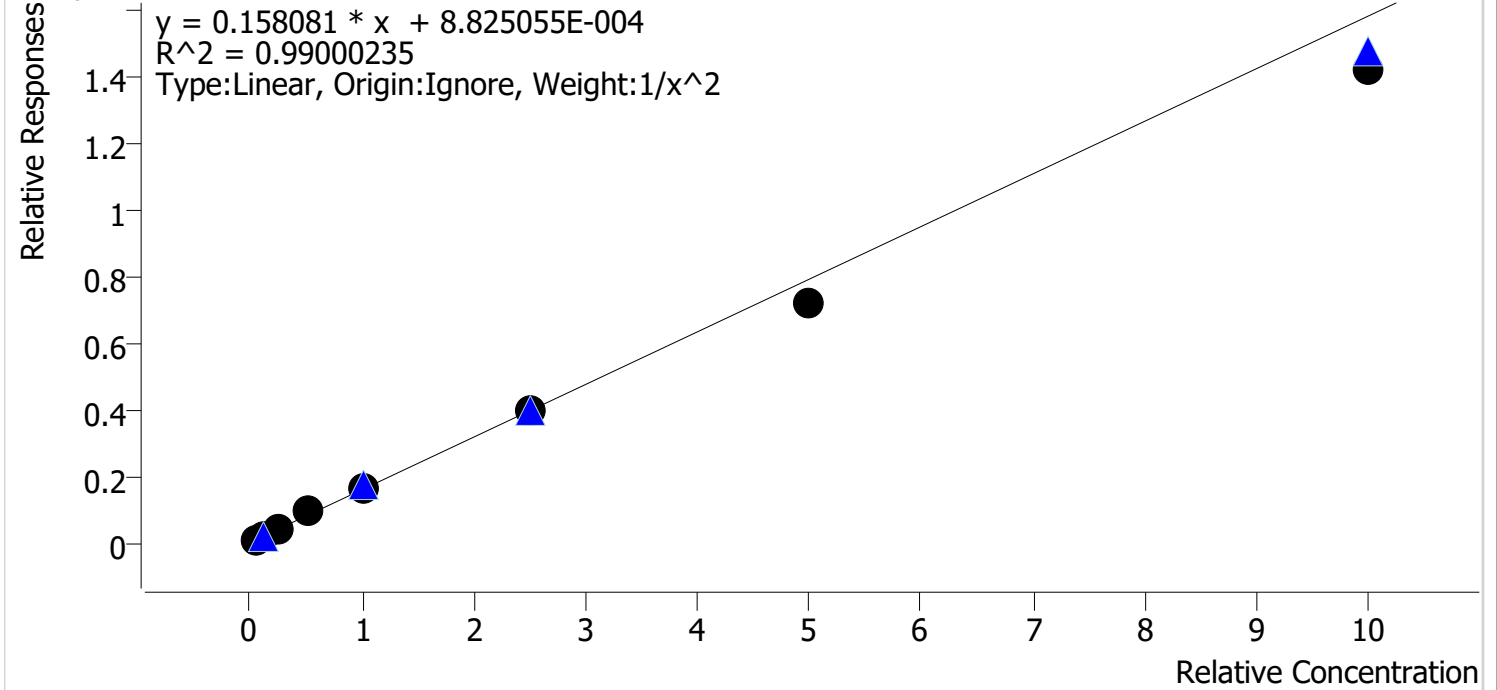
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	105.0
cal 2	2	✓	10.0	9.8	98.3
cal 3	3	✓	25.0	24.5	98.1
cal 4	4	✓	50.0	49.2	98.4
cal 5	5	✓	100.0	97.6	97.6
cal 6	6	✓	250.0	253.3	101.3
cal 7	7	✓	500.0	512.8	102.6
cal 8	8	✓	1000.0	987.5	98.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Metoprolol

Internal Standard Diphenhydramine-D3

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



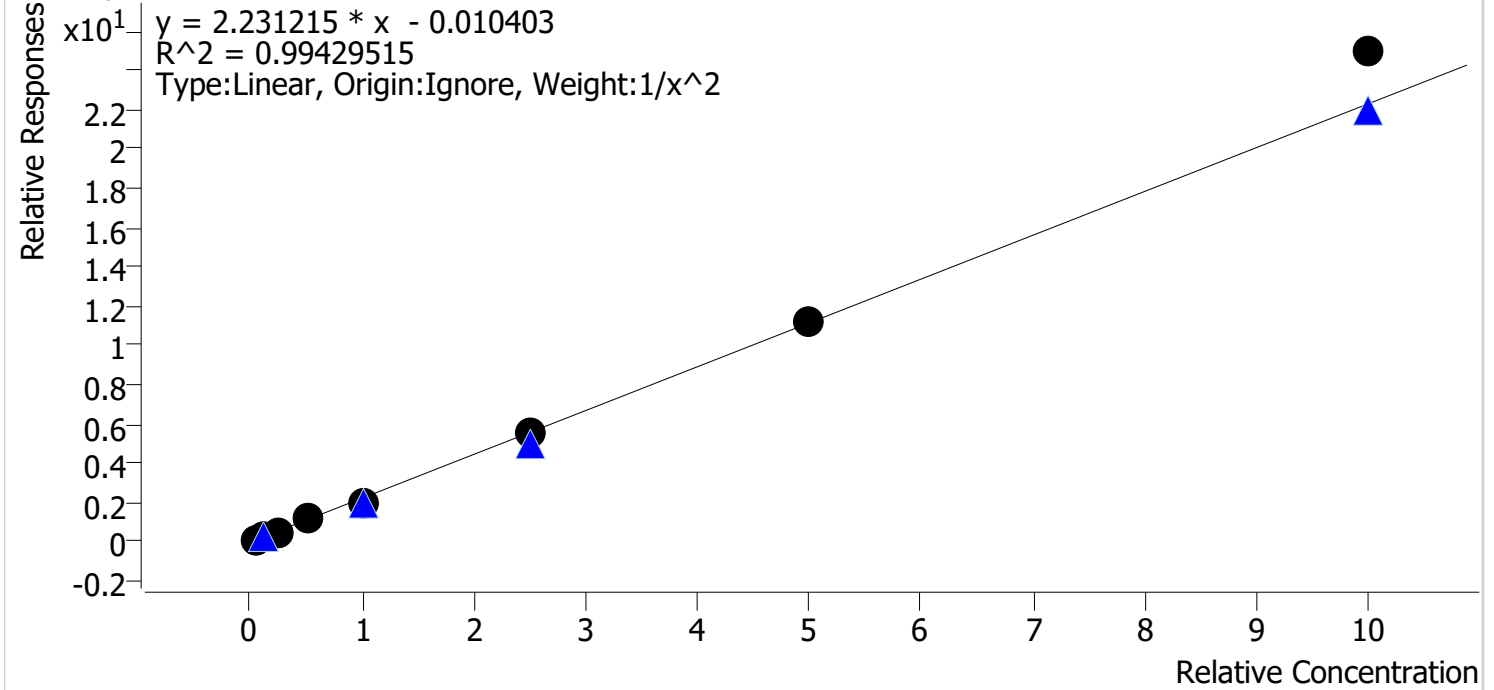
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.2
cal 2	2	✓	10.0	10.6	106.3
cal 3	3	✓	25.0	25.1	100.5
cal 4	4	✓	50.0	58.5	117.0
cal 5	5	✓	100.0	99.0	99.0
cal 6	6	✓	250.0	252.3	100.9
cal 7	7	✓	500.0	456.6	91.3
cal 8	8	✓	1000.0	897.6	89.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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



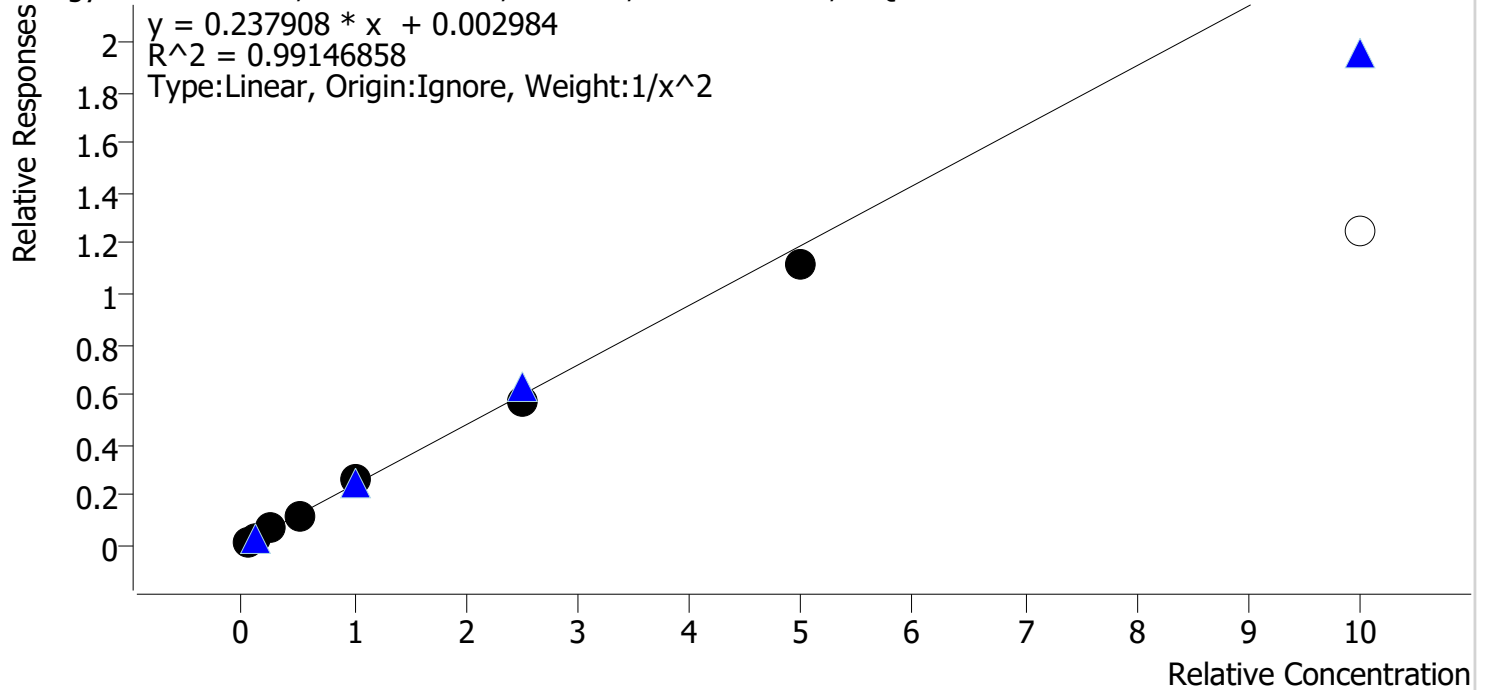
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	102.6
cal 2	2	✓	10.0	9.8	98.0
cal 3	3	✓	25.0	22.9	91.8
cal 4	4	✓	50.0	52.1	104.1
cal 5	5	✓	100.0	92.0	92.0
cal 6	6	✓	250.0	247.4	98.9
cal 7	7	✓	500.0	503.1	100.6
cal 8	8	✓	1000.0	1119.2	111.9

Compound Calibration Report



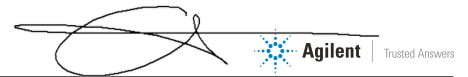
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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



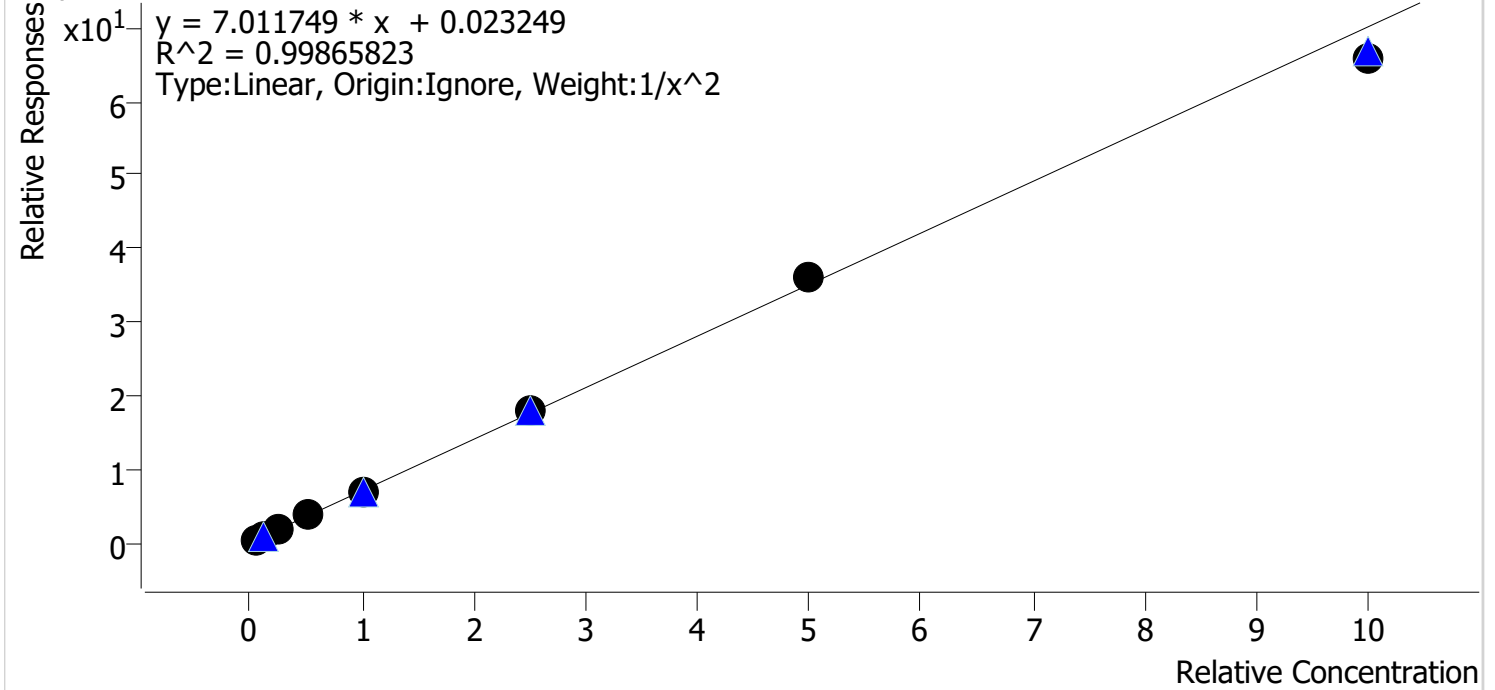
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.1
cal 2	2	✓	10.0	10.8	107.9
cal 3	3	✓	25.0	26.9	107.7
cal 4	4	✓	50.0	45.7	91.5
cal 5	5	✓	100.0	109.2	109.2
cal 6	6	✓	250.0	236.2	94.5
cal 7	7	✓	500.0	470.6	94.1
cal 8	8	x	1000.0	521.1	52.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

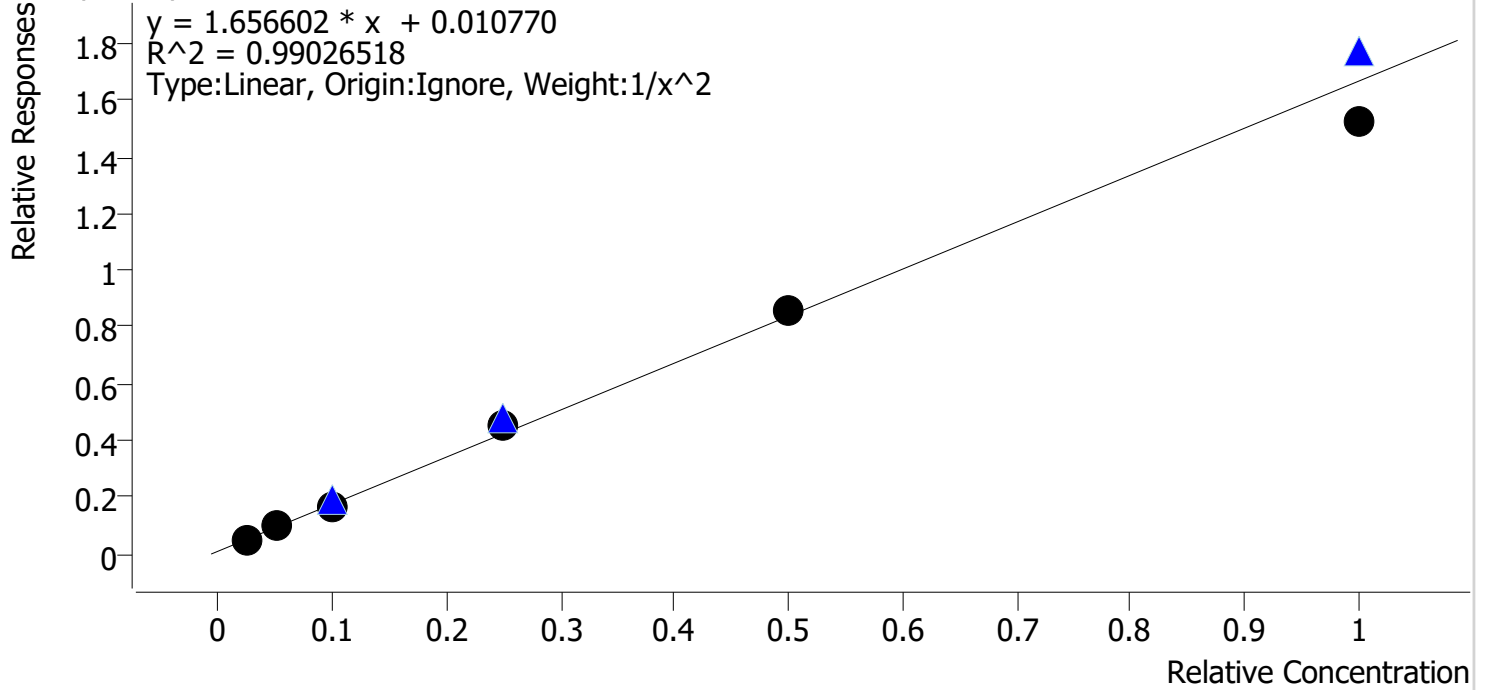


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.6
cal 2	2	✓	10.0	10.0	100.4
cal 3	3	✓	25.0	24.6	98.6
cal 4	4	✓	50.0	52.5	105.1
cal 5	5	✓	100.0	99.1	99.1
cal 6	6	✓	250.0	252.4	101.0
cal 7	7	✓	500.0	511.5	102.3
cal 8	8	✓	1000.0	940.3	94.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



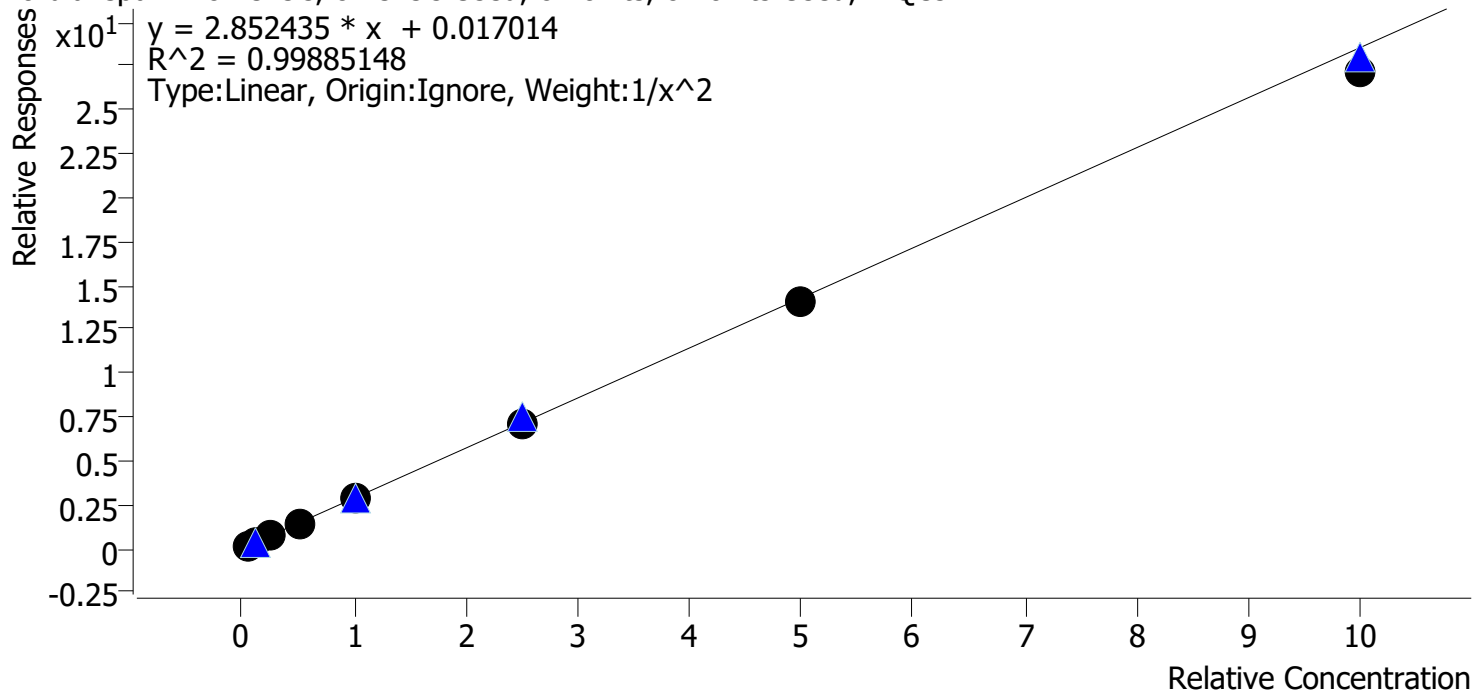
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 3	3	✓	2.5	2.4	96.2
cal 4	4	✓	5.0	5.5	110.0
cal 5	5	✓	10.0	9.2	92.4
cal 6	6	✓	25.0	26.8	107.2
cal 7	7	✓	50.0	51.5	103.1
cal 8	8	✓	100.0	91.0	91.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

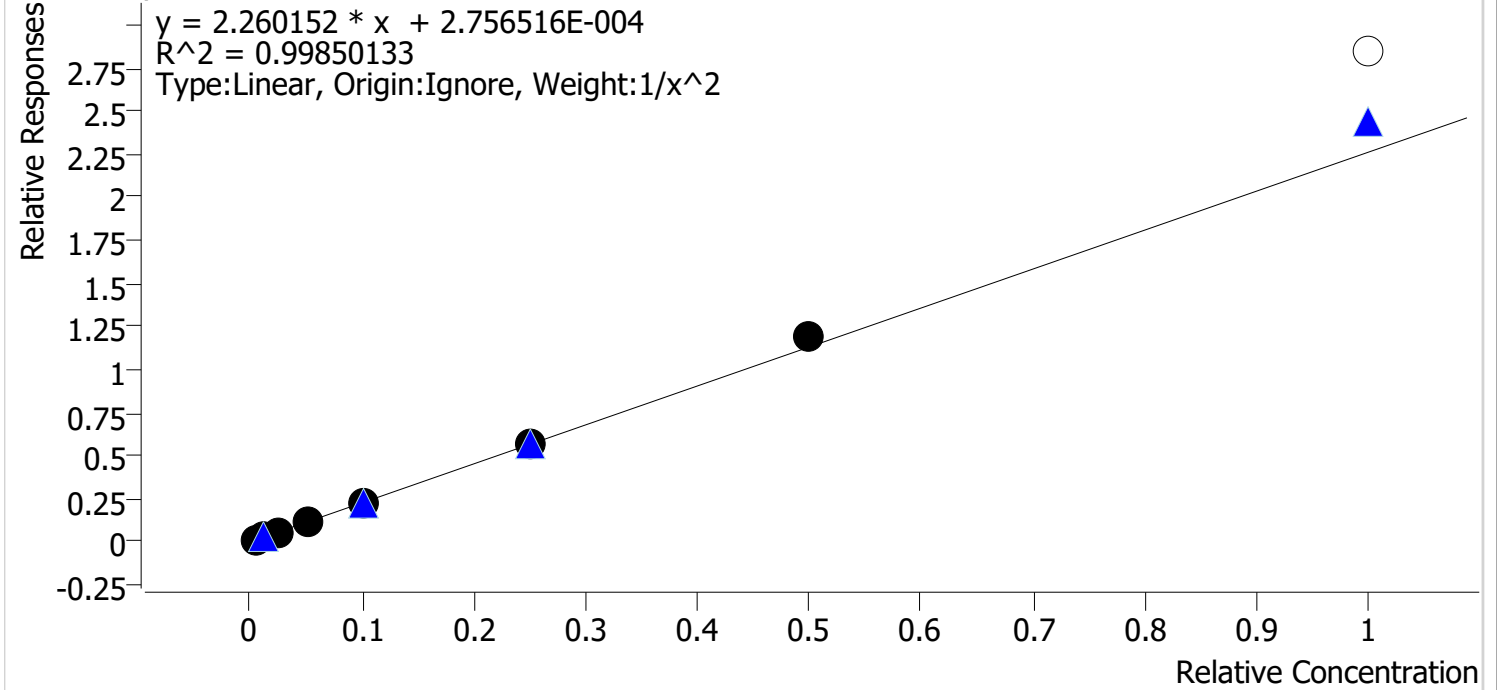


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	97.9
cal 2	2	✓	10.0	10.2	102.2
cal 3	3	✓	25.0	26.0	103.9
cal 4	4	✓	50.0	51.4	102.8
cal 5	5	✓	100.0	99.2	99.2
cal 6	6	✓	250.0	251.8	100.7
cal 7	7	✓	500.0	491.4	98.3
cal 8	8	✓	1000.0	950.5	95.1

Compound Calibration Report

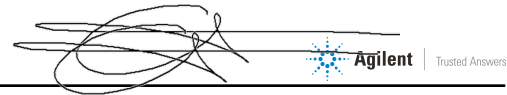
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



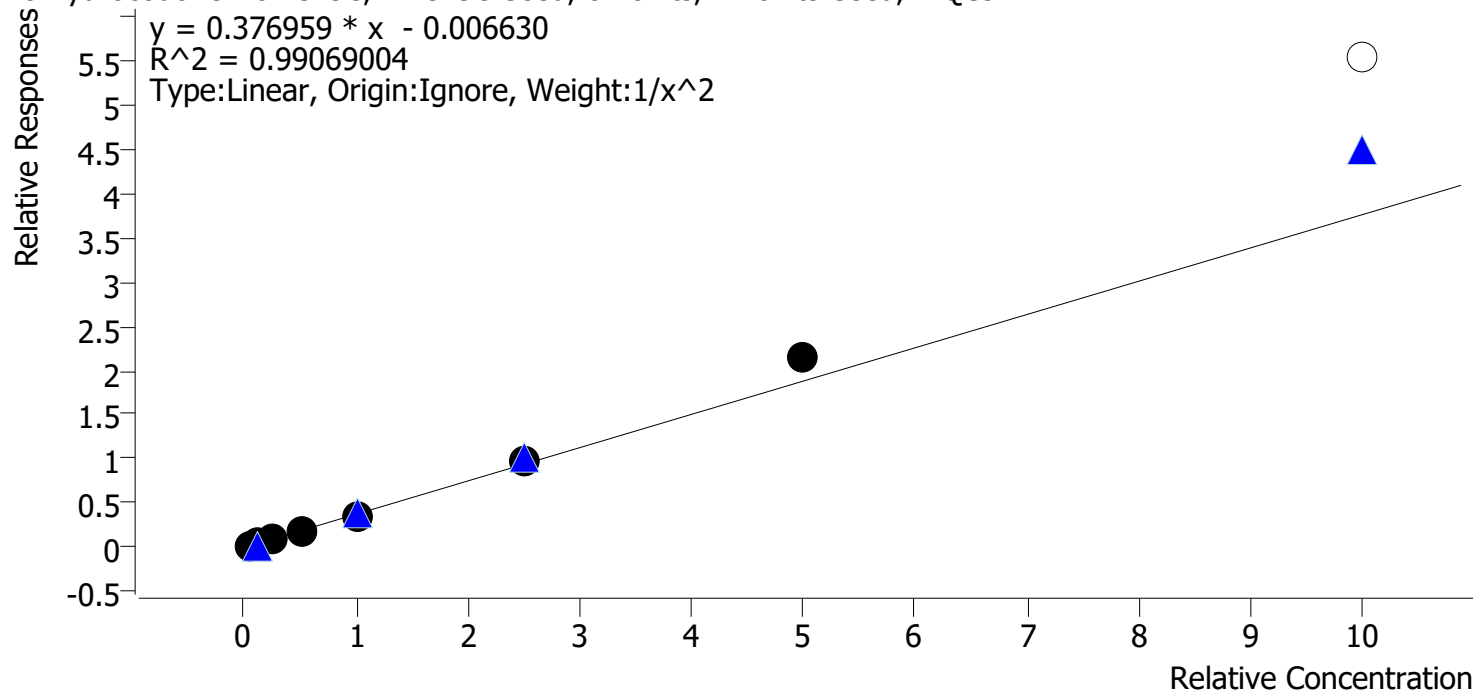
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.5	102.0
cal 2	2	✓	1.0	1.0	97.8
cal 3	3	✓	2.5	2.4	95.8
cal 4	4	✓	5.0	4.9	98.9
cal 5	5	✓	10.0	9.8	98.0
cal 6	6	✓	25.0	25.5	102.1
cal 7	7	✓	50.0	52.7	105.4
cal 8	8	x	100.0	125.8	125.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

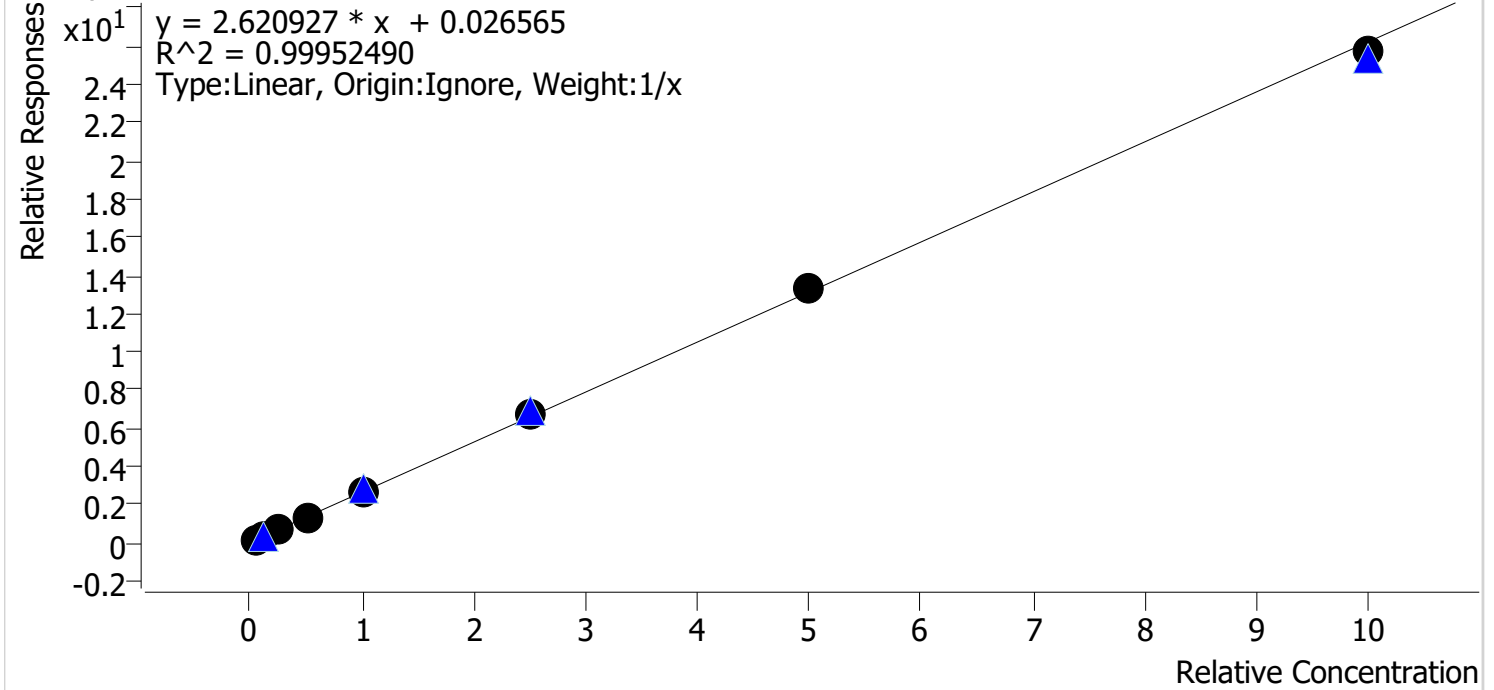


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.0
cal 2	2	✓	10.0	9.2	92.2
cal 3	3	✓	25.0	22.7	91.0
cal 4	4	✓	50.0	48.4	96.9
cal 5	5	✓	100.0	96.1	96.1
cal 6	6	✓	250.0	261.0	104.4
cal 7	7	✓	500.0	567.3	113.5
cal 8	8	✗	1000.0	1472.1	147.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

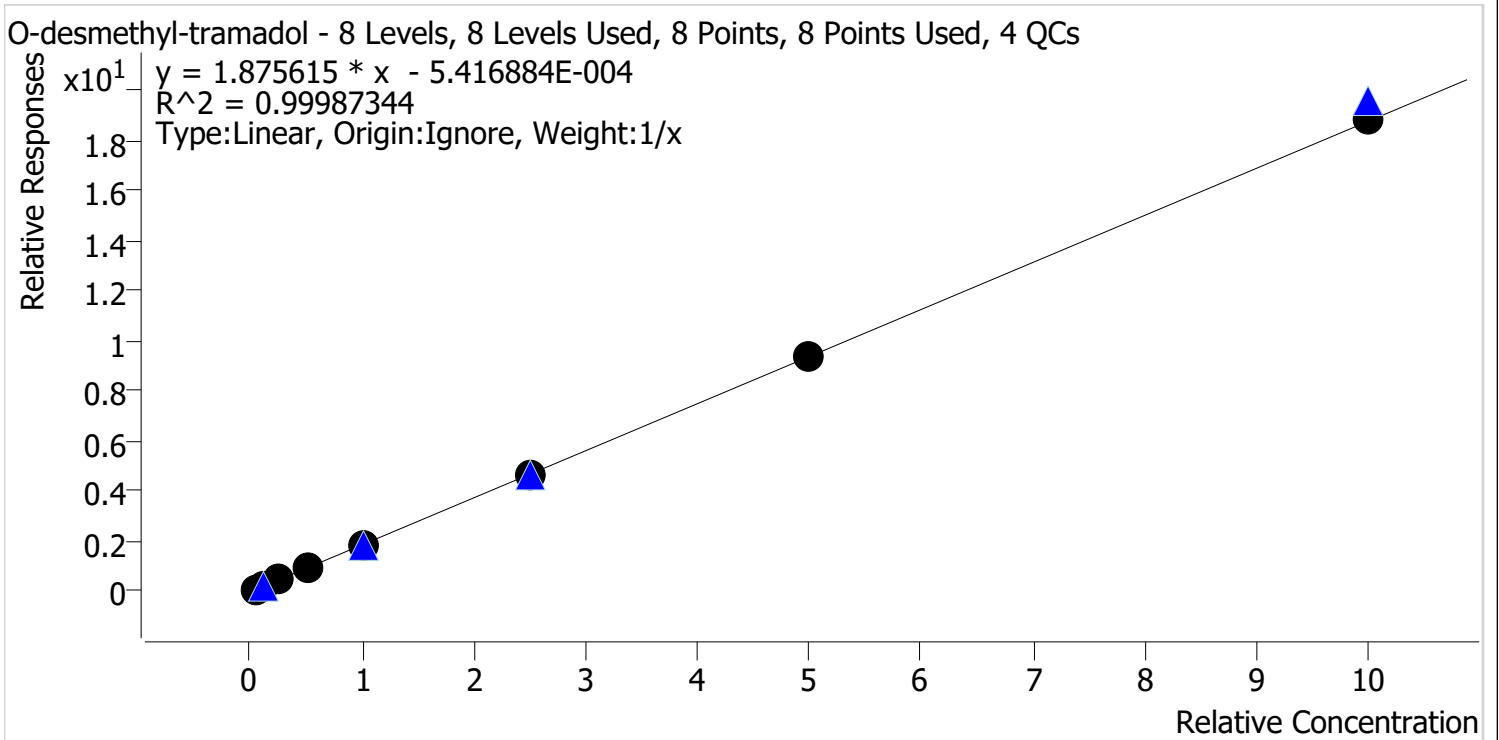
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	93.7
cal 2	2	✓	10.0	9.8	98.0
cal 3	3	✓	25.0	25.1	100.3
cal 4	4	✓	50.0	51.5	103.0
cal 5	5	✓	100.0	102.7	102.7
cal 6	6	✓	250.0	255.7	102.3
cal 7	7	✓	500.0	509.9	102.0
cal 8	8	✓	1000.0	980.6	98.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

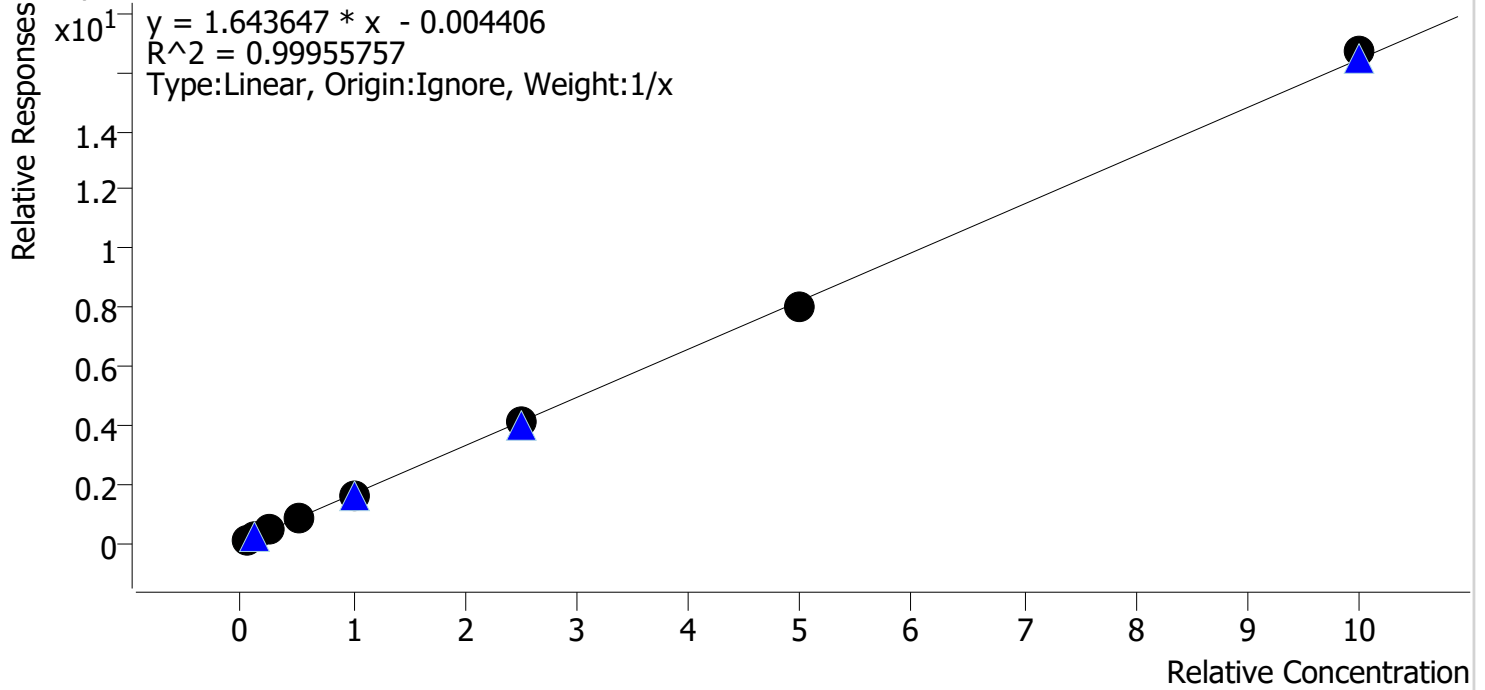


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	105.3
cal 2	2	✓	10.0	10.1	100.8
cal 3	3	✓	25.0	24.6	98.3
cal 4	4	✓	50.0	49.7	99.4
cal 5	5	✓	100.0	96.2	96.2
cal 6	6	✓	250.0	247.4	99.0
cal 7	7	✓	500.0	502.6	100.5
cal 8	8	✓	1000.0	1004.1	100.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.5	109.3
cal 2	2	✓	10.0	9.7	97.2
cal 3	3	✓	25.0	24.6	98.3
cal 4	4	✓	50.0	50.7	101.4
cal 5	5	✓	100.0	94.7	94.7
cal 6	6	✓	250.0	248.3	99.3
cal 7	7	✓	500.0	490.7	98.1
cal 8	8	✓	1000.0	1015.8	101.6

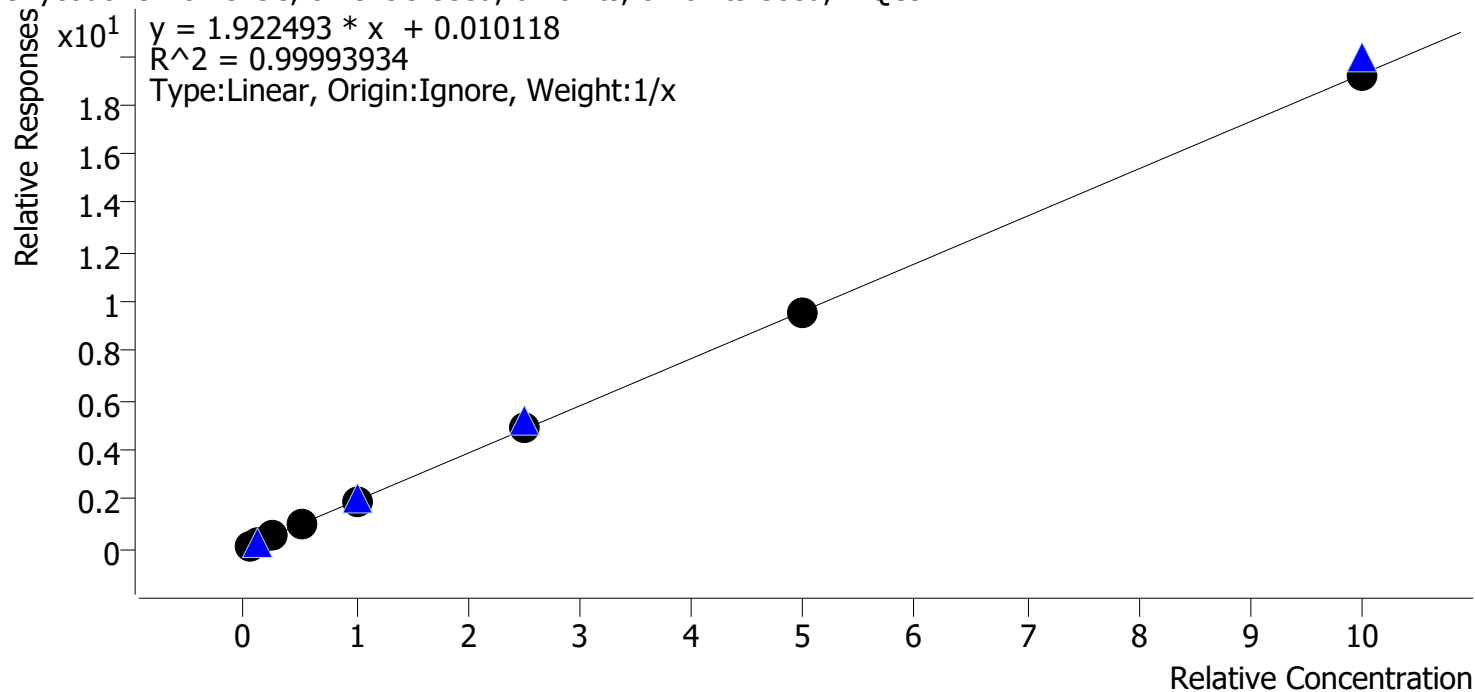
Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Oxycodone

Internal Standard Oxycodone-D6

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

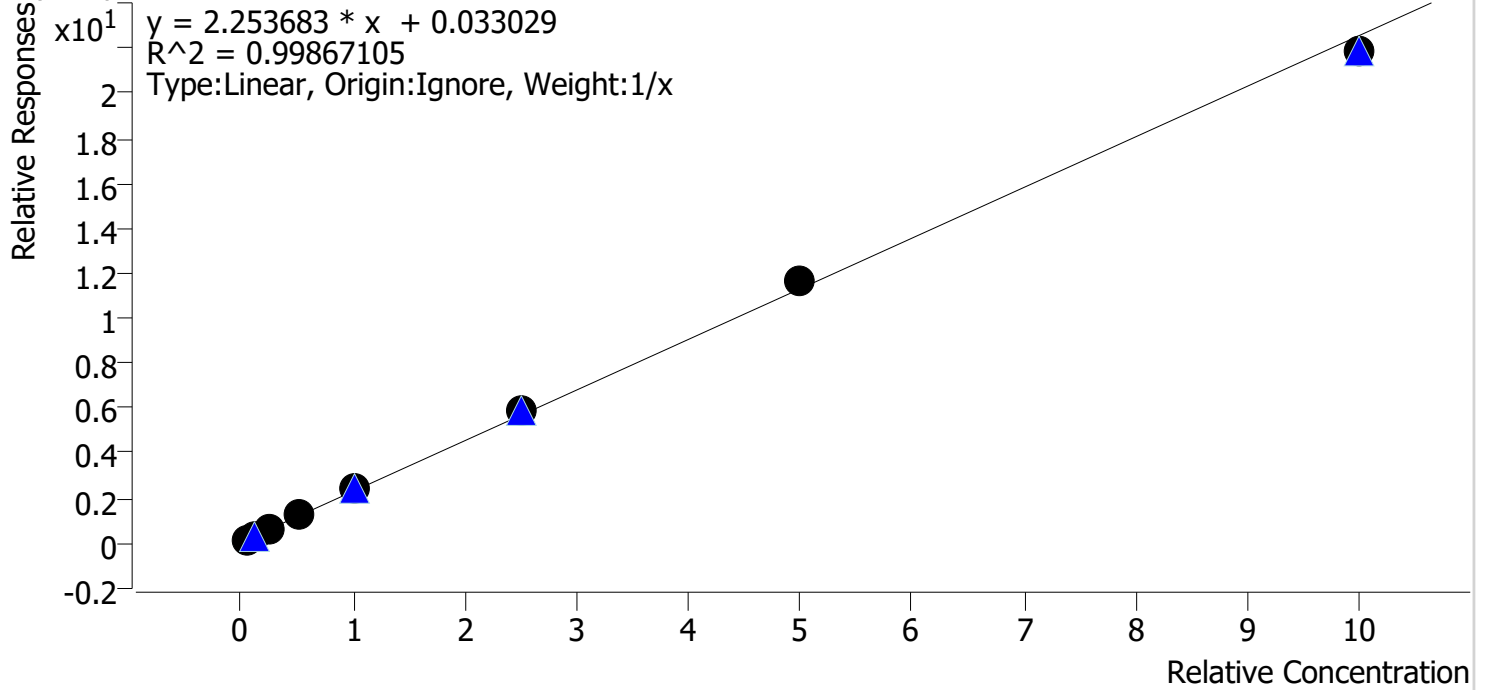


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	96.3
cal 2	2	✓	10.0	9.8	98.0
cal 3	3	✓	25.0	25.4	101.5
cal 4	4	✓	50.0	51.6	103.1
cal 5	5	✓	100.0	100.7	100.7
cal 6	6	✓	250.0	252.4	101.0
cal 7	7	✓	500.0	498.5	99.7
cal 8	8	✓	1000.0	996.9	99.7

Compound Calibration Report

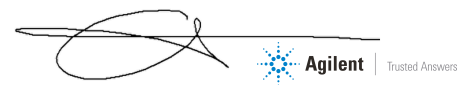
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



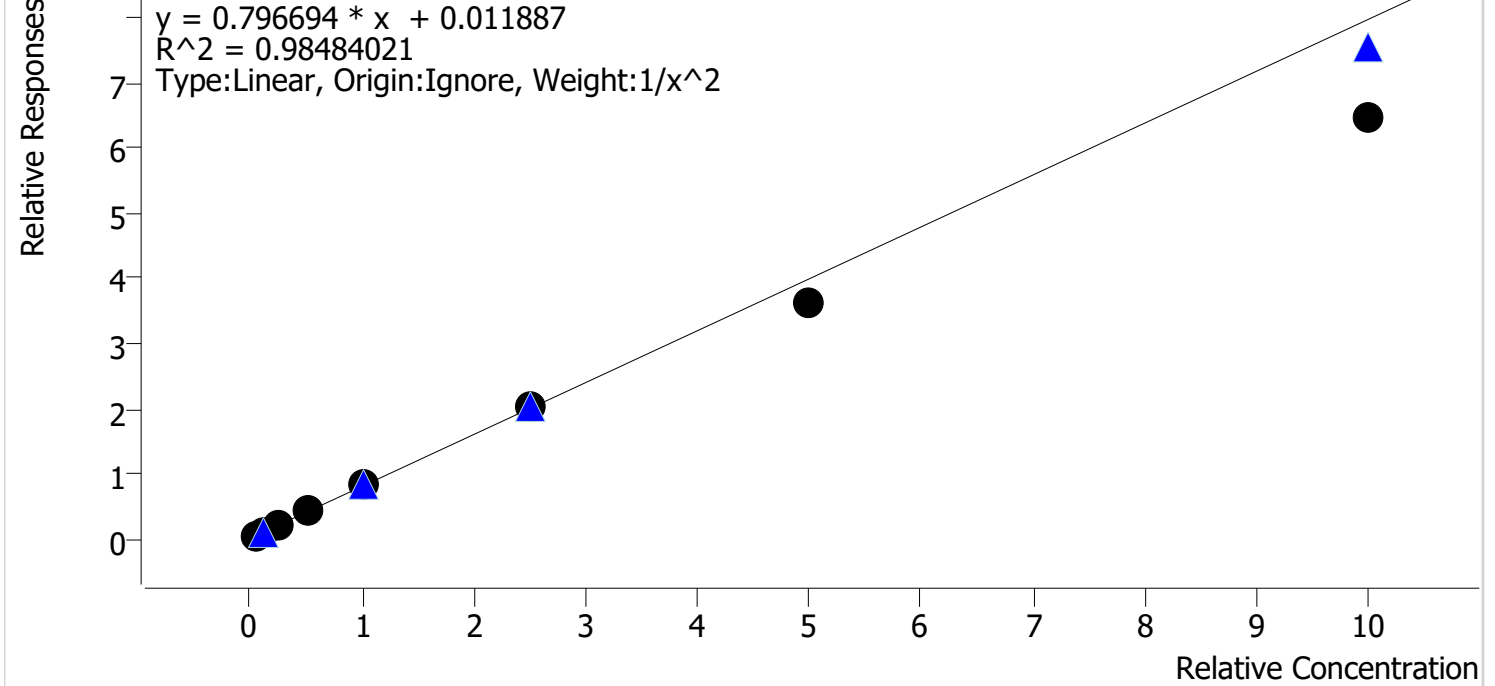
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.3	86.1
cal 2	2	✓	10.0	9.6	95.6
cal 3	3	✓	25.0	25.9	103.6
cal 4	4	✓	50.0	53.3	106.6
cal 5	5	✓	100.0	104.5	104.5
cal 6	6	✓	250.0	259.7	103.9
cal 7	7	✓	500.0	514.4	102.9
cal 8	8	✓	1000.0	968.4	96.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



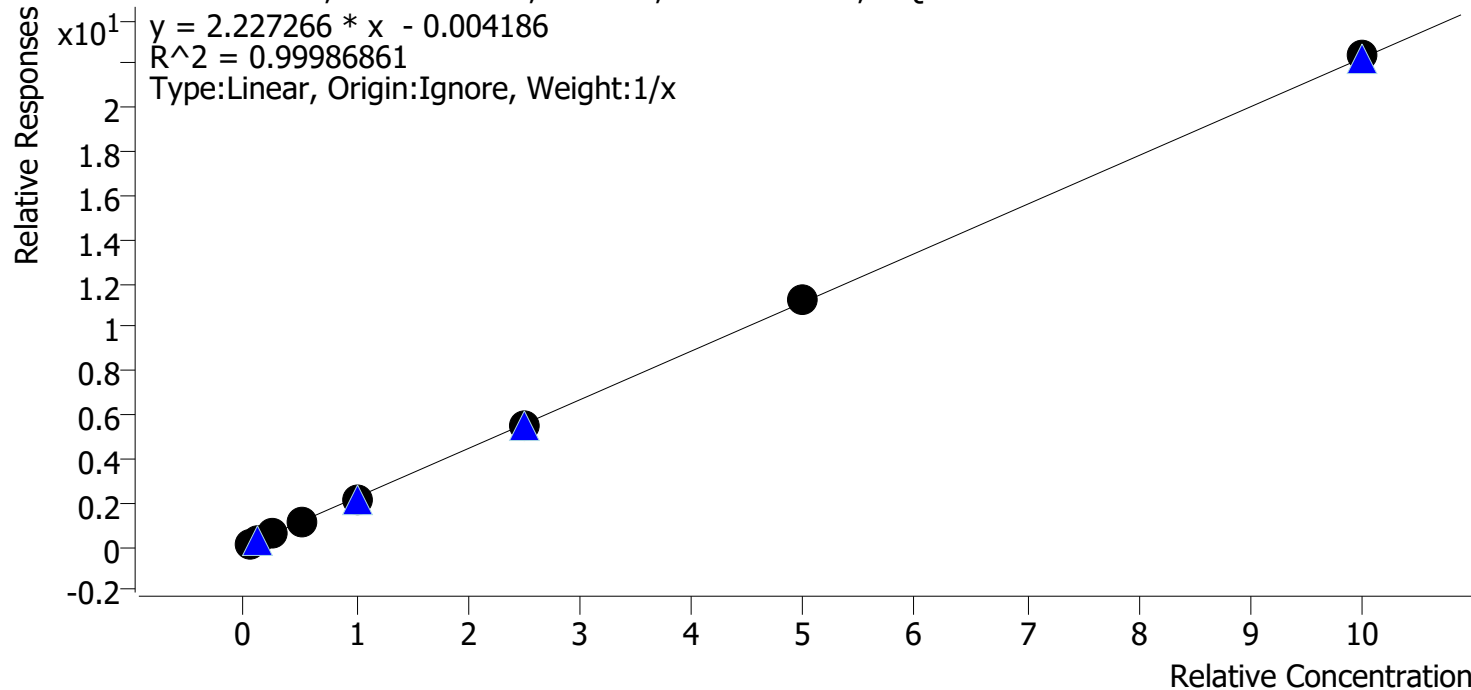
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.5
cal 2	2	✓	10.0	10.4	103.9
cal 3	3	✓	25.0	27.7	110.7
cal 4	4	✓	50.0	56.4	112.7
cal 5	5	✓	100.0	106.3	106.3
cal 6	6	✓	250.0	250.5	100.2
cal 7	7	✓	500.0	453.6	90.7
cal 8	8	✓	1000.0	809.2	80.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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

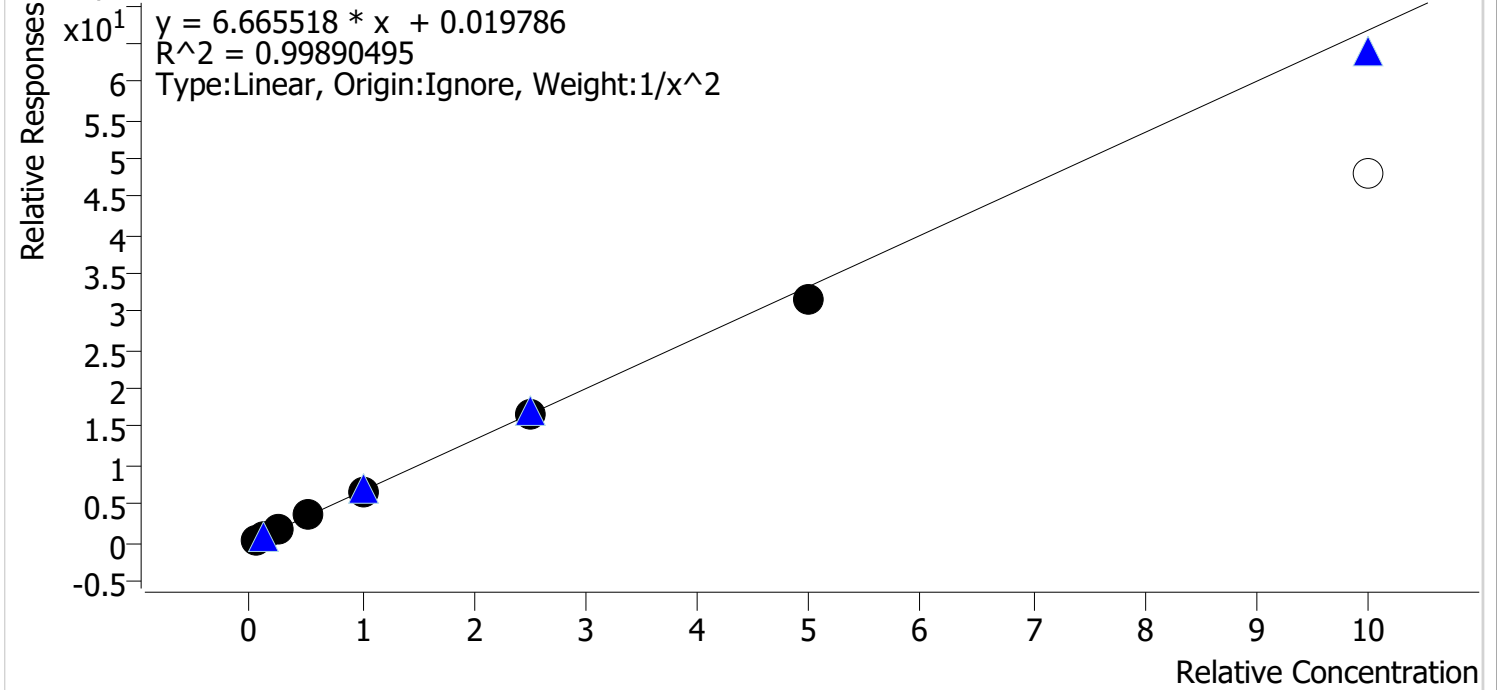


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.3
cal 2	2	✓	10.0	10.2	101.7
cal 3	3	✓	25.0	24.2	96.6
cal 4	4	✓	50.0	49.4	98.8
cal 5	5	✓	100.0	96.9	96.9
cal 6	6	✓	250.0	246.7	98.7
cal 7	7	✓	500.0	502.4	100.5
cal 8	8	✓	1000.0	1005.0	100.5

Compound Calibration Report

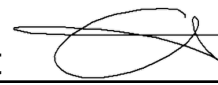
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.9
cal 2	2	✓	10.0	9.9	98.6
cal 3	3	✓	25.0	25.6	102.2
cal 4	4	✓	50.0	51.9	103.8
cal 5	5	✓	100.0	99.9	99.9
cal 6	6	✓	250.0	251.7	100.7
cal 7	7	✓	500.0	474.8	95.0
cal 8	8	✗	1000.0	723.4	72.3

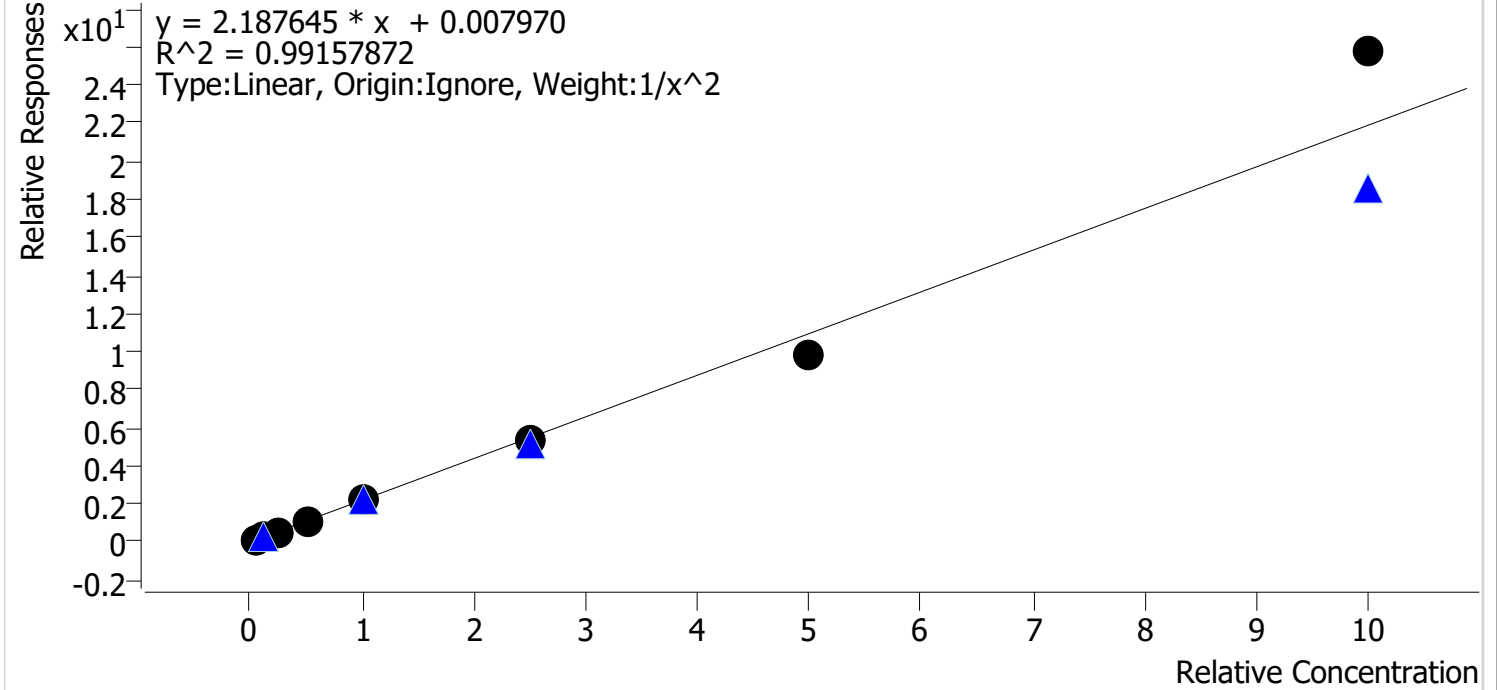
Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Trazodone

Internal Standard Trazodone-D6

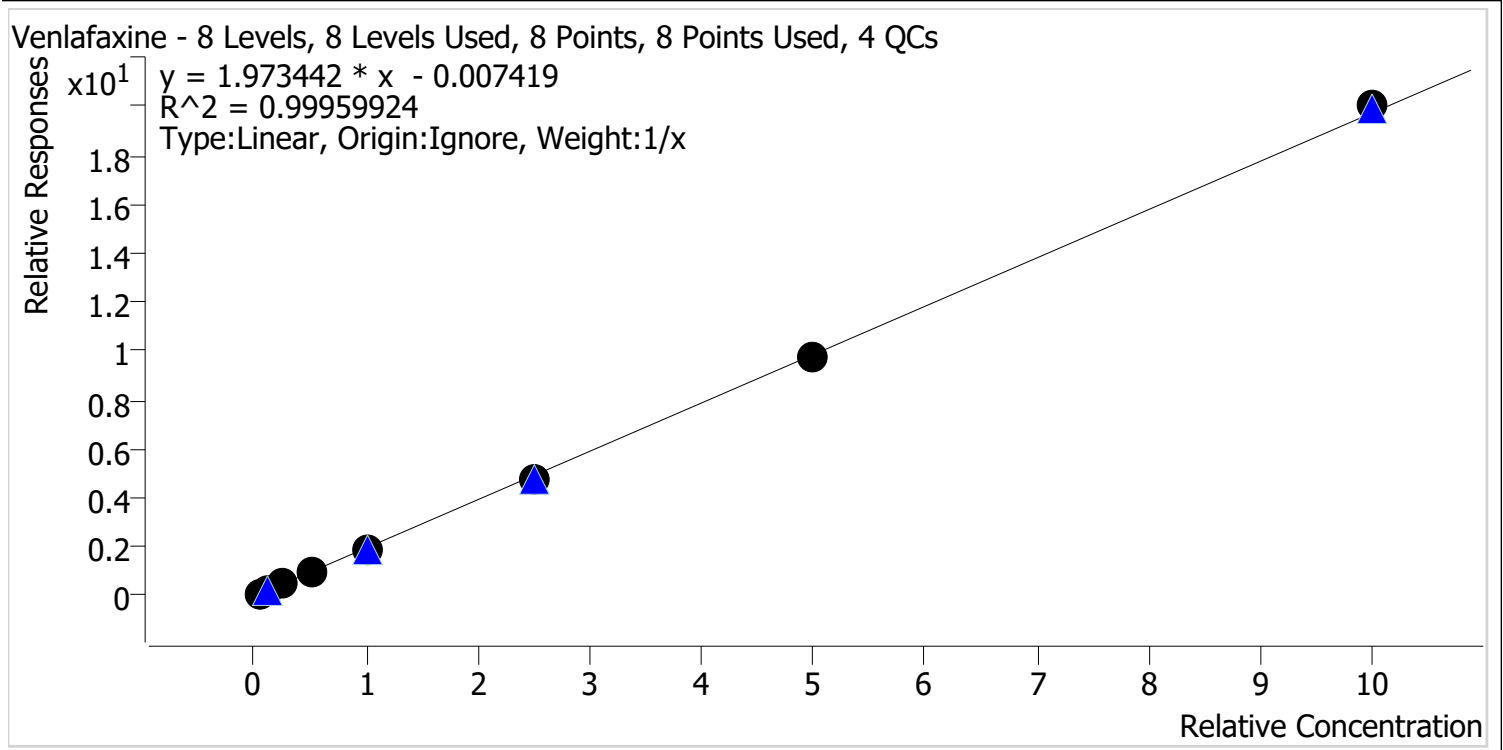
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.5
cal 2	2	✓	10.0	10.0	100.2
cal 3	3	✓	25.0	24.5	98.0
cal 4	4	✓	50.0	50.0	100.0
cal 5	5	✓	100.0	98.2	98.2
cal 6	6	✓	250.0	240.0	96.0
cal 7	7	✓	500.0	447.1	89.4
cal 8	8	✓	1000.0	1176.8	117.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



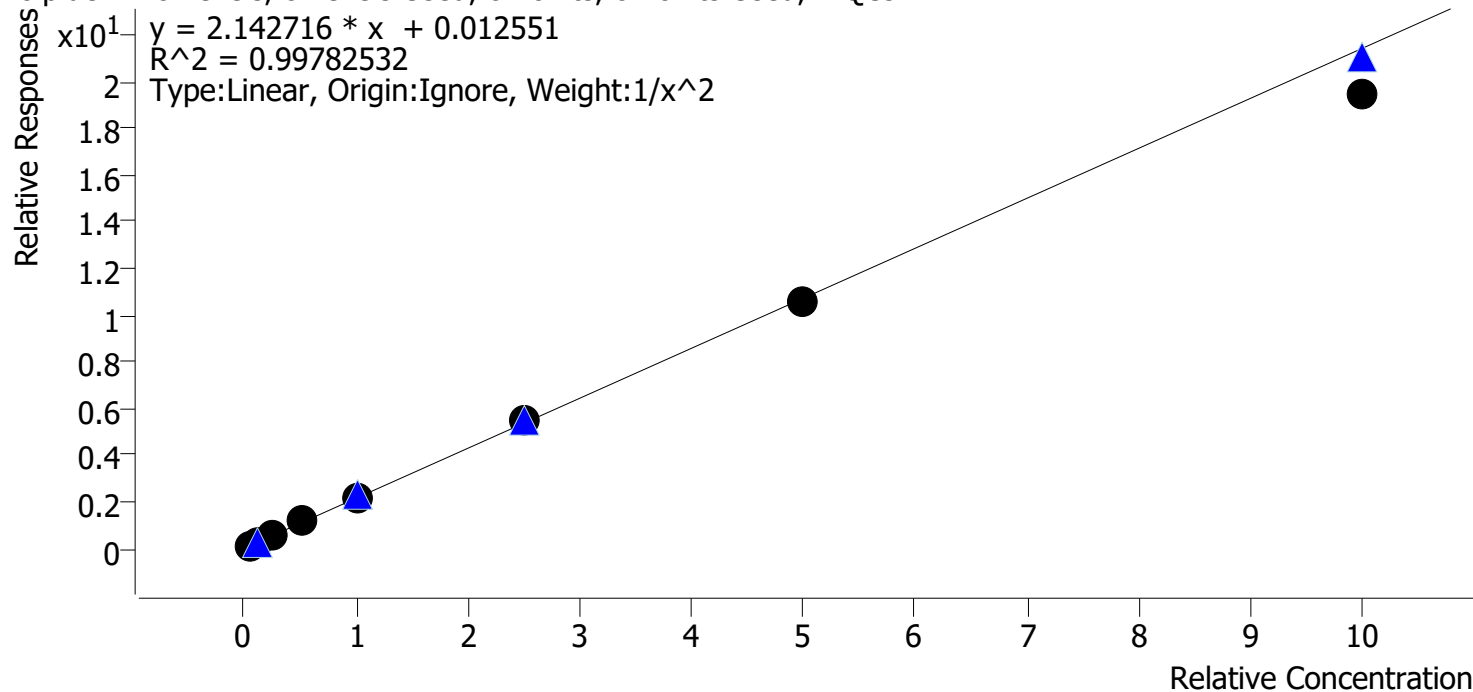
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.4	108.3
cal 2	2	✓	10.0	10.3	102.6
cal 3	3	✓	25.0	24.2	96.6
cal 4	4	✓	50.0	49.0	97.9
cal 5	5	✓	100.0	96.8	96.8
cal 6	6	✓	250.0	241.7	96.7
cal 7	7	✓	500.0	497.6	99.5
cal 8	8	✓	1000.0	1015.1	101.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Last Cal. Update 9/25/2019 9:32 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



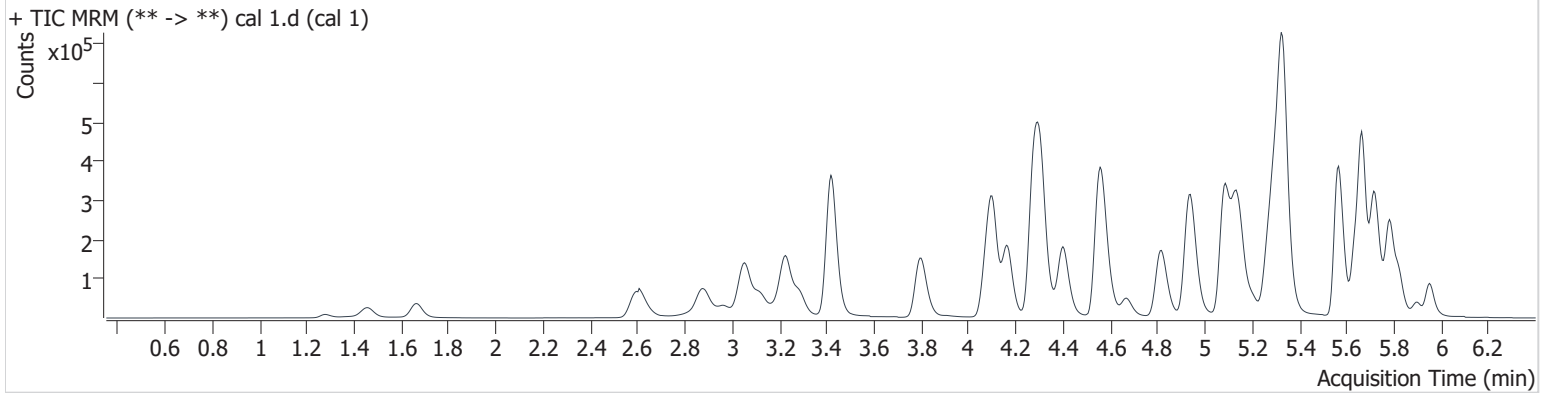
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.9
cal 2	2	✓	10.0	10.0	100.2
cal 3	3	✓	25.0	25.6	102.4
cal 4	4	✓	50.0	52.5	105.0
cal 5	5	✓	100.0	101.6	101.6
cal 6	6	✓	250.0	253.6	101.4
cal 7	7	✓	500.0	496.6	99.3
cal 8	8	✓	1000.0	911.8	91.2

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679 Data File cal 1.d
Type Cal Sample cal 1
Acq. Method mdq p1 cda 121818.m Operator Anne Nord
Sample Position P2-A1 Comment
Injection Volume 2
Acq. Date-Time 9/24/2019 4:53:27 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	1143	335.9	75.2	1272.0	62752	0.522 ng/ml
7-aminoclonazepam	4.318	15588	430.7	84.1	2153.8	128055	4.841 ng/ml
a-hydroxyalprazolam	5.709	1752	1242.9	63.1	223.0	19245	5.047 ng/ml
alpha-PVP	4.412	56264	68588.9	52.9	834.4	481086	5.669 ng/ml
Alprazolam	5.787	25086	3848.0	112.3	1634.3	174590	5.207 ng/ml
Amphetamine	3.127	87090	1189.4	54.9	836.9	295796	4.771 ng/ml
Benzoylcegonine	3.936	1042	1237.7	6.3	54.0	7765	4.999 ng/ml
Buprenorphine	5.842	995	1041.5	14.4	151.6	69267	1.177 ng/ml
Bupropion	4.835	67728	10349.0	55.7	885.8	498812	4.958 ng/ml
Carisoprodol	5.738	22796	2143.5	58.5	60.5	212685	5.062 ng/ml
Citalopram	5.266	49050	391.4	47.1	56.6	432245	4.679 ng/ml
Clonazepam	5.633	6268	367.0	35.5	1009.1	21372	4.654 ng/ml
Cocaine	4.307	50111	233.3	43.8	4634.8	749005	4.826 ng/ml
Codeine	2.653	6740	101.5	106.6	5390.2	61584	5.052 ng/ml
Cyclobenzaprine	5.640	52169	9114.5	10.3	628.3	396702	4.704 ng/ml
Dextromethorphan	5.311	34095	2807.6	78.8	4303.5	319782	5.063 ng/ml
Dextrorphan	4.166	20449	19280.5	211.8	81110.0	454027	5.210 ng/ml
Diazepam	5.957	19470	717.7	83.7	13696.4	177588	4.706 ng/ml
Dihydrocodeine	2.627	18089	23973.2	66.8	3638.7	199970	4.768 ng/ml
Diphenhydramine	5.337	140203	403.6	34.3	5003.6	1558282	5.778 ng/ml
Doxylamine	4.579	139040	146199.2	95.6	59362.5	1166874	4.951 ng/ml
EDDP	5.300	25896	5868.3	233.9	1336.7	572638	5.079 ng/ml
Fentanyl	5.143	5019	4923.2	71.0	2452.6	509113	0.510 ng/ml
Fluoxetine	5.721	60511	24272.3	8.5	534.1	488862	4.757 ng/ml
Hydrocodone	3.079	17897	525.5	40.6	258.6	214810	4.704 ng/ml
Hydromorphone	1.673	13973	14954.0	74.4	4630.7	107686	5.140 ng/ml
Ketamine	4.092	43379	8096.3	37.6	429.2	402513	4.923 ng/ml
Lamotrigine	4.345	4965	2770.1	85.6	2338.3	319782	4.727 ng/ml
Lorazepam	5.755	2549	22.9	59.9	8.4 Low	174590	4.628 ng/ml
Meprobamate	4.962	8250	690.4	31.0	20.1	73210	4.836 ng/ml
Methadone	5.669	96152	2008.8	47.8	5656.7	904495	5.248 ng/ml
Methamphetamine	3.289	96506	1016.8	39.4	274.5	557510	4.812 ng/ml
Metoprolol	4.364	13105	9695.4	94.8	1373.5	1558282	4.762 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	94108	106131.1	46.9	33708.3	904495	5.129 ng/ml
Mitragynine	5.276	12926	426.1	39.3	1307.8	904495	4.753 ng/ml
Morphine	1.287	2980	3840.8	22.0	388.7	8000	4.981 ng/ml
Nordiazepam	5.907	10764	4643.6	62.3	2862.4	68700	4.896 ng/ml
Norfentanyl	4.127	8459	1495.0	40.4	143.0	716504	0.510 ng/ml
Norhydrocodone	3.125	938	84.8	46.9	1002.8	70320	5.299 ng/ml
Noroxycodone	2.987	13885	338.2	40.2	19.0	92950	4.686 ng/ml
O-desmethyl-tramadol	3.425	104117	19396.8	6.2	217.2	1059830	5.267 ng/ml
Oxazepam	5.768	3893	74.3	68.7	67.7	45578	5.465 ng/ml
Oxycodone	2.905	30771	1072.1	29.0	310.0	299532	4.817 ng/ml
Oxymorphone	1.460	13047	3364.3	43.2	4144.8	100322	4.305 ng/ml
Phentermine	3.833	25872	189.3	4.6	70.4	522347	4.725 ng/ml
Promethazine	5.568	83331	46711.0	31.4	649.5	729586	5.316 ng/ml
Quetiapine	5.580	63138	59182.2	60.2	48929.9	178932	4.997 ng/ml
Sertraline	5.782	27679	918.0	101.4	42879.2	256978	5.030 ng/ml
Temazepam	5.829	19640	467.5	29.3	89.9	184971	5.124 ng/ml
Tramadol	4.288	110558	423.5	3.4	250.0	1080882	4.870 ng/ml
Trazodone	5.204	62666	68181.1	78.4	48518.2	531533	5.025 ng/ml
Venlafaxine	5.088	93913	3463.3	38.9	893.0	944394	5.415 ng/ml
Zolpidem	4.960	106916	137593.0	30.4	1777.7	902417	4.944 ng/ml

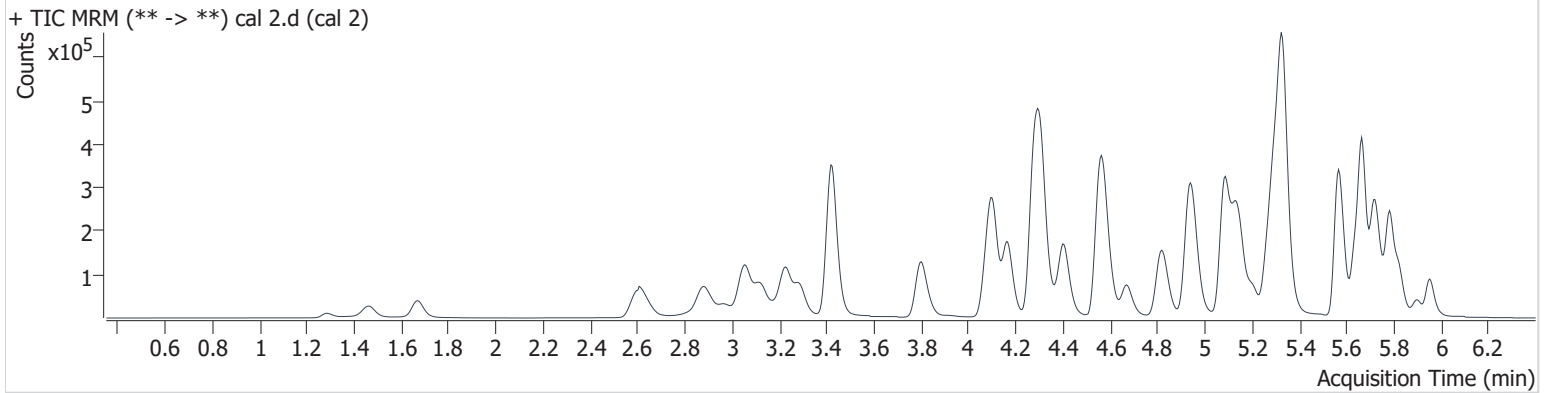


AM #28 Multi-Drug Quant. Results

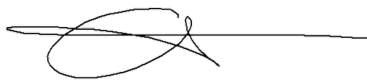
Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679 **Data File** cal 2.d
Type Cal **Sample** cal 2
Acq. Method mdq p1 cda 121818.m **Operator** Anne Nord
Sample Position P2-B1 **Comment**
Injection Volume 2
Acq. Date-Time 9/24/2019 5:04:16 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	1916	303.6	81.3	394.5	57798	0.934 ng/ml
7-aminoclonazepam	4.318	29028	73556.8	84.1	27594.3	119179	10.438 ng/ml
a-hydroxyalprazolam	5.709	3307	449.1	58.5	1422.0	18879	9.858 ng/ml
alpha-PVP	4.412	89099	5223.2	53.4	791.0	392718	10.269 ng/ml
Alprazolam	5.787	47026	636.5	110.3	732.1	168495	10.138 ng/ml
Amphetamine	3.127	131770	1360.1	54.4	2458.2	236188	10.441 ng/ml
Benzoylcegonine	3.936	1976	2142.4	7.1	215.3	7273	10.175 ng/ml
Buprenorphine	5.836	1665	506.1	20.2 High	526.9	56241	1.591 ng/ml
Bupropion	4.835	103662	14512.6	57.0	675.1	398182	10.114 ng/ml
Carisoprodol	5.738	40046	40781.9	61.4	547.1	196539	9.694 ng/ml
Citalopram	5.266	74854	774.3	47.3	34487.1	338785	9.741 ng/ml
Clonazepam	5.633	12309	6815.3	31.3	575.8	19620	11.088 ng/ml
Cocaine	4.307	83962	85362.8	43.8	52881.9	643546	9.930 ng/ml
Codeine	2.658	11232	33.5	109.7	1963.4	56608	9.606 ng/ml
Cyclobenzaprine	5.640	75130	4649.9	10.2	6138.1	290376	9.886 ng/ml
Dextromethorphan	5.311	50564	308.5	76.7	518.4	246160	9.825 ng/ml
Dextrorphan	4.166	33293	37523.9	215.3	83478.4	390035	9.944 ng/ml
Diazepam	5.957	32643	1302.5	86.0	1121.5	154502	9.847 ng/ml
Dihydrocodeine	2.632	32435	9635.5	63.3	12742.2	176607	10.549 ng/ml
Diphenhydramine	5.332	217801	10748.2	34.2	47859.1	1239952	10.329 ng/ml
Doxylamine	4.579	230780	8101.7	95.9	290211.4	995014	10.063 ng/ml
EDDP	5.300	42959	59772.6	236.7	4073.4	510080	9.735 ng/ml
Fentanyl	5.143	7544	412.5	74.7	1856.6	391456	0.985 ng/ml
Fluoxetine	5.721	82695	2660.2	8.5	8263.8	340291	9.911 ng/ml
Hydrocodone	3.079	32748	1035.3	38.5	896.1	188963	10.227 ng/ml
Hydromorphone	1.678	23459	5182.9	81.0	2638.0	98309	9.349 ng/ml
Ketamine	4.097	70993	706.5	37.4	619.6	341498	10.121 ng/ml
Lamotrigine	4.345	8404	1107.8	88.2	630.7	246160	10.861 ng/ml
Lorazepam	5.761	4958	159.9	54.6	9.2 Low	168495	10.906 ng/ml
Meprobamate	4.962	14968	3671.0	30.5	1740.2	68057	10.320 ng/ml
Methadone	5.669	141222	7397.4	47.8	929.1	704028	9.833 ng/ml
Methamphetamine	3.289	121443	439.1	40.2	172.1	402250	10.399 ng/ml
Metoprolol	4.369	21926	20965.3	97.1	2430.1	1239952	10.628 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	146620	151438.4	48.1	65978.8	704028	9.800 ng/ml
Mitragynine	5.271	20176	23465.4	38.2	143.3	704028	10.791 ng/ml
Morphine	1.292	5679	4085.3	22.4	4644.1	7811	10.037 ng/ml
Nordiazepam	5.907	19205	1494.2	59.0	6315.5	62263	10.217 ng/ml
Norfentanyl	4.127	13481	203.2	40.5	35.1	602095	0.978 ng/ml
Norhydrocodone	3.125	1640	193.1	35.9	62.7	58298	9.223 ng/ml
Noroxycodone	2.987	22964	415.0	41.7	437.2	81006	9.803 ng/ml
O-desmethyl-tramadol	3.425	178535	507.9	6.3	975.3	946761	10.083 ng/ml
Oxazepam	5.768	7180	239.1	77.5	91.5	46217	9.720 ng/ml
Oxycodone	2.905	53430	1576.1	29.8	535.2	269171	9.799 ng/ml
Oxymorphone	1.465	22426	73068.7	44.3	21066.3	90261	9.559 ng/ml
Phentermine	3.833	40414	317.5	4.6	33.4	426871	10.391 ng/ml
Promethazine	5.568	118291	4857.9	31.7	1659.0	532245	10.167 ng/ml
Quetiapine	5.580	103590	115924.0	59.4	64354.9	153059	9.857 ng/ml
Sertraline	5.782	38223	31392.3	103.3	19100.1	182667	9.968 ng/ml
Temazepam	5.829	33601	791.9	31.9	148.4	168411	9.681 ng/ml
Tramadol	4.288	184256	23622.5	3.5	321.6	949133	10.227 ng/ml
Trazodone	5.204	99627	99936.8	77.2	704.6	438669	10.017 ng/ml
Venlafaxine	5.088	156602	34767.1	38.6	778.9	802735	10.262 ng/ml
Zolpidem	4.960	185415	342645.4	30.1	650.1	816008	10.019 ng/ml



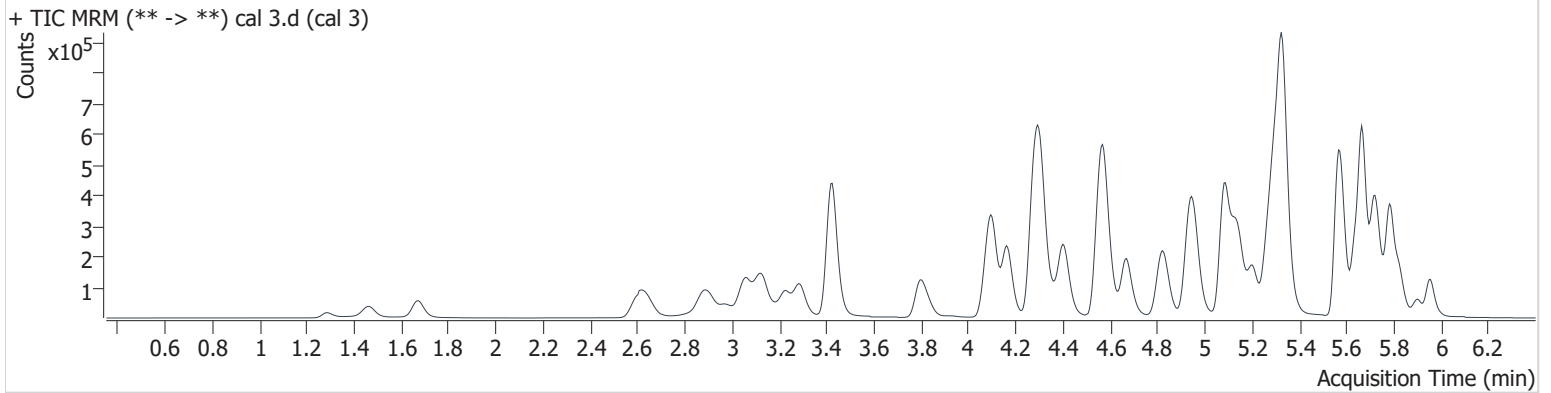
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument	69679	Data File	cal 3.d
Type	Cal	Sample	cal 3
Acq. Method	mdq p1 cda 121818.m	Operator	Anne Nord
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	9/24/2019 5:15:06 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	5105	12810.9	76.5	2069.4	58508	2.428 ng/ml
7-aminoclonazepam	4.313	66753	24857.3	86.2	94013.3	114977	25.919 ng/ml
a-hydroxyalprazolam	5.714	8178	9038.0	57.5	2170.1	18422	25.226 ng/ml
alpha-PVP	4.407	224569	31476.5	53.0	600.9	400045	24.264 ng/ml
Alprazolam	5.787	108524	1399.3	109.5	4405.0	165265	23.888 ng/ml
Amphetamine	3.127	282687	1745.0	54.1	860.5	213348	26.950 ng/ml
Benzoylcegonine	3.936	4512	1097.4	8.1	83.0	7068	23.986 ng/ml
Buprenorphine	5.842	4401	937.0	15.9	540.1	64079	2.653 ng/ml
Bupropion	4.835	251217	58389.4	58.8	1383.3	403749	25.093 ng/ml
Carisoprodol	5.738	100599	117898.5	57.6	1336.3	190054	25.311 ng/ml
Citalopram	5.266	207215	12329.7	47.0	116238.0	382033	24.882 ng/ml
Clonazepam	5.633	27520	1536.3	34.4	1310.8	19657	25.971 ng/ml
Cocaine	4.307	204404	182521.1	44.9	770.0	650765	24.675 ng/ml
Codeine	2.658	28445	90.6	105.7	311.9	54836	26.000 ng/ml
Cyclobenzaprine	5.640	206845	212068.2	10.4	5742.8	323260	25.413 ng/ml
Dextromethorphan	5.306	144493	1123.0	76.4	872.9	277062	25.061 ng/ml
Dextrorphan	4.166	84848	93713.0	215.4	90129.9	400445	24.801 ng/ml
Diazepam	5.957	81177	4647.9	85.7	2832.0	158490	25.068 ng/ml
Dihydrocodeine	2.632	80795	45880.9	64.1	347.6	182684	26.591 ng/ml
Diphenhydramine	5.332	588871	1435.3	33.9	1103.6	1364891	23.917 ng/ml
Doxylamine	4.574	590938	165311.4	97.7	1023.3	1045799	25.162 ng/ml
EDDP	5.300	108767	122153.1	231.2	13363.8	517541	24.772 ng/ml
Fentanyl	5.143	21420	1673.1	73.1	10312.3	450296	2.413 ng/ml
Fluoxetine	5.721	239114	4111.0	8.6	25783.4	401084	25.176 ng/ml
Hydrocodone	3.079	80066	790.5	40.1	407.3	192652	25.098 ng/ml
Hydromorphone	1.678	63104	5667.0	73.7	8295.3	96995	25.276 ng/ml
Ketamine	4.092	180953	58210.4	38.3	2501.8	357381	25.613 ng/ml
Lamotrigine	4.340	20938	1051.9	87.4	790.0	277062	24.511 ng/ml
Lorazepam	5.761	11421	80.5	55.5	56.9	165265	27.712 ng/ml
Meprobamate	4.962	35855	48151.3	30.0	4741.9	67440	26.261 ng/ml
Methadone	5.669	404036	2374.0	46.7	1583.7	803676	24.523 ng/ml
Methamphetamine	3.289	192264	1082.2	39.3	74.6	282462	26.829 ng/ml
Metoprolol	4.364	55424	8950.1	98.5	4034.9	1364891	25.129 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	402976	431627.6	47.1	227681.6	803676	22.939 ng/ml
Mitragynine	5.271	53902	443.0	37.6	23882.4	803676	26.937 ng/ml
Morphine	1.292	13367	56610.0	21.8	5101.1	7634	24.640 ng/ml
Norbuprenorphine	5.045	471	323.2	93.6	159.4	9308	2.406 ng/ml
Nordiazepam	5.907	47638	39610.0	58.9	20737.2	62865	25.970 ng/ml
Norfentanyl	4.127	33758	3479.4	41.0	58.7	620163	2.396 ng/ml
Norhydrocodone	3.125	4921	434.2	39.4	118.7	62213	22.743 ng/ml
Noroxycodone	2.982	56441	951.5	41.5	565.8	82570	25.067 ng/ml
O-desmethyl-tramadol	3.425	443915	65541.0	6.4	2180.5	963728	24.587 ng/ml
Oxazepam	5.763	16239	393.3	76.2	122.7	40652	24.572 ng/ml
Oxycodone	2.905	137960	780.2	28.7	1619.5	276938	25.386 ng/ml
Oxymorphone	1.465	55397	374011.7	43.1	2243.9	89804	25.906 ng/ml
Phentermine	3.833	92478	417.3	4.4	200.9	397896	27.681 ng/ml
Promethazine	5.568	338369	905419.4	32.1	3510.6	633695	24.162 ng/ml
Quetiapine	5.580	279417	3124.4	58.8	1999.9	162155	25.555 ng/ml
Sertraline	5.788	113015	34276.2	101.3	111047.9	221488	24.605 ng/ml
Temazepam	5.829	85053	1310.5	31.3	208.5	172045	24.078 ng/ml
Tramadol	4.288	459457	608.5	3.5	79.4	989322	25.992 ng/ml
Trazodone	5.204	273278	499.6	78.9	138911.4	502295	24.505 ng/ml
Venlafaxine	5.083	394506	57834.6	38.6	822.2	840428	24.162 ng/ml
Zolpidem	4.960	458779	1565.3	30.8	11200.5	817789	25.596 ng/ml



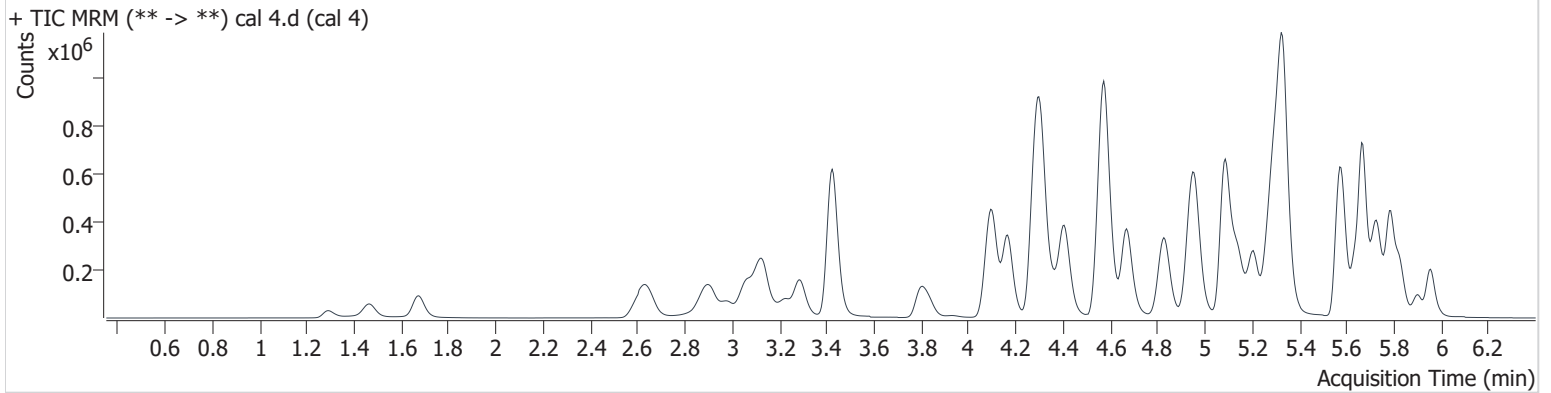
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679
Type Cal
Acq. Method mdq p1 cda 121818.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 9/24/2019 5:25:53 PM
Sample Info.

Data File cal 4.d
Sample cal 4
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	10532	3721.6	76.6	15510.7	61020	4.786 ng/ml
7-aminoclonazepam	4.318	129758	34247.6	85.9	342.2	112281	52.337 ng/ml
a-hydroxyalprazolam	5.709	16493	99.5	61.4	547.1	19199	48.964 ng/ml
alpha-PVP	4.412	497647	1999.1	52.4	6424.1	435562	48.581 ng/ml
Alprazolam	5.787	240171	6038.3	111.5	1178.6	173202	50.471 ng/ml
Amphetamine	3.132	520180	8955.3	53.4	3920.8	200323	54.317 ng/ml
Benzoylcegonine	3.936	10058	10744.0	8.3	270.1	7479	50.592 ng/ml
Buprenorphine	5.842	7438	636.6	15.3	204.9	52943	4.605 ng/ml
Bupropion	4.835	500296	727.0	59.2	6812.6	401624	50.899 ng/ml
Carisoprodol	5.738	209257	81820.5	58.9	434.3	198524	50.482 ng/ml
Citalopram	5.266	363237	54986.8	46.0	25948.3	324235	52.101 ng/ml
Clonazepam	5.633	60471	8257.8	32.9	19101.4	151521	53.124 ng/ml
Cocaine	4.307	454841	1596.1	43.7	1627.9	706669	51.136 ng/ml
Codeine	2.658	56664	2405.8	107.0	17110.0	55709	51.510 ng/ml
Cyclobenzaprine	5.640	266759	111117.7	10.3	12115.4	212292	50.535 ng/ml
Dextromethorphan	5.311	238051	24494.5	78.0	18918.6	235979	48.546 ng/ml
Dextrorphan	4.166	181079	248466.6	216.4	438561.2	422446	50.254 ng/ml
Diazepam	5.957	181359	3280.6	85.9	5851.0	172306	52.401 ng/ml
Dihydrocodeine	2.632	168492	465.3	65.0	510.1	191410	53.761 ng/ml
Diphenhydramine	5.337	1105329	58983.8	33.6	22364.5	1244647	48.174 ng/ml
Doxylamine	4.579	1309007	614823.6	96.9	3094.3	1129699	52.069 ng/ml
EDDP	5.300	218456	225659.5	236.3	602519.0	520413	49.800 ng/ml
Fentanyl	5.143	33729	12377.1	69.8	4784.7	351629	4.853 ng/ml
Fluoxetine	5.721	264291	143188.8	8.6	17562.0	220598	51.194 ng/ml
Hydrocodone	3.079	172566	916.6	36.3	647.2	201577	52.132 ng/ml
Hydromorphone	1.678	135561	9135.5	73.7	7334.0	103078	50.969 ng/ml
Ketamine	4.092	401771	3116.0	38.5	1400.8	395094	52.118 ng/ml
Lamotrigine	4.345	42505	1230.8	88.3	4466.2	235979	58.955 ng/ml
Lorazepam	5.761	23544	676.1	53.5	282.1	173202	56.015 ng/ml
Meprobamate	4.962	73351	71306.0	29.6	3059.3	68683	53.685 ng/ml
Methadone	5.669	682435	41359.2	47.0	4802.4	675825	49.177 ng/ml
Methamphetamine	3.289	281515	248.2	40.2	381.1	231492	50.054 ng/ml
Metoprolol	4.364	116169	2557.7	97.5	3837.5	1244647	58.484 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	778067	96690.0	46.8	645808.5	675825	52.065 ng/ml
Mitragynine	5.271	75572	83996.6	37.6	27304.1	675825	45.748 ng/ml
Morphine	1.292	29871	1798.2	22.1	91.4	8058	52.539 ng/ml
Norbuprenorphine	5.039	856	196.1	96.0	997.8	8402	5.501 ng/ml
Nordiazepam	5.907	98615	40102.6	62.4	4212.9	66474	51.413 ng/ml
Norfentanyl	4.127	73362	12535.2	39.5	241.4	655024	4.943 ng/ml
Norhydrocodone	3.130	11963	2811.0	41.6	685.1	67980	48.442 ng/ml
Noroxycodone	2.982	118884	757.8	40.6	356.7	86394	51.490 ng/ml
O-desmethyl-tramadol	3.430	949202	102158.4	6.4	1093.6	1019222	49.682 ng/ml
Oxazepam	5.768	32130	778.3	72.3	271.4	38743	50.723 ng/ml
Oxycodone	2.905	302183	19729.7	29.2	2044.3	301811	51.554 ng/ml
Oxymorphone	1.465	113750	2360.2	43.9	1170.2	92174	53.293 ng/ml
Phentermine	3.833	179694	1113.5	4.8	362.5	389924	56.352 ng/ml
Promethazine	5.568	447378	9649.4	31.7	3520.7	408225	49.392 ng/ml
Quetiapine	5.580	522483	7752.6	58.1	142517.0	150244	51.876 ng/ml
Sertraline	5.788	124568	76760.2	102.0	138324.8	121953	49.463 ng/ml
Temazepam	5.829	193547	2317.7	30.3	449.9	189505	49.809 ng/ml
Tramadol	4.288	984625	172119.3	3.4	4204.3	1059424	53.112 ng/ml
Trazodone	5.204	484733	546.2	78.2	469330.7	440080	49.985 ng/ml
Venlafaxine	5.088	871817	176697.2	39.3	1031.0	909355	48.957 ng/ml
Zolpidem	4.960	997138	2514190.7	30.9	13546.6	876708	52.495 ng/ml

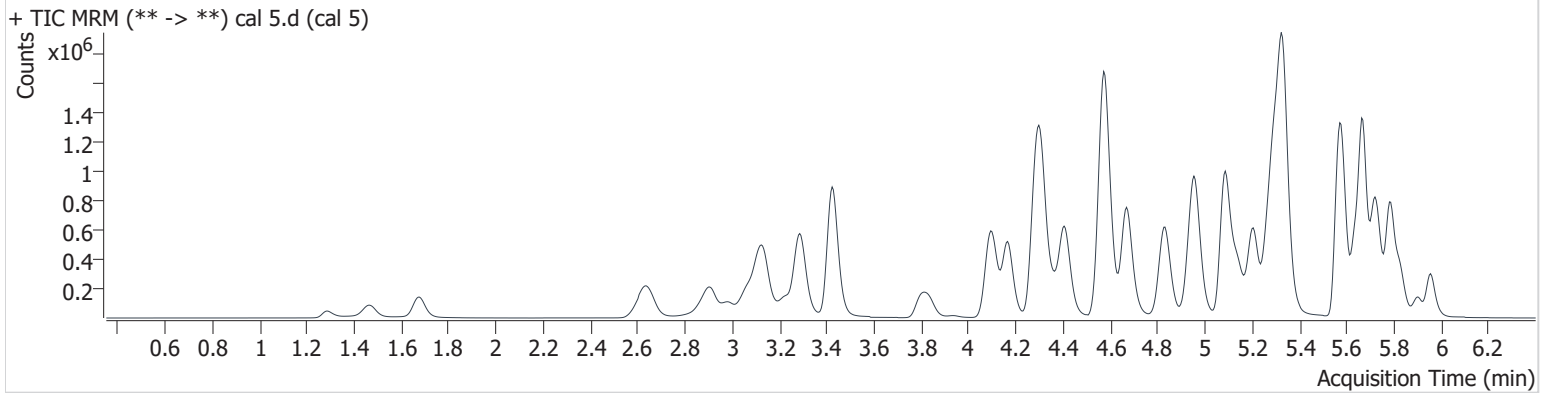
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679
Type Cal
Acq. Method mdq p1 cda 121818.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 9/24/2019 5:36:40 PM
Sample Info.

Data File cal 5.d
Sample cal 5
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	20614	33089.3	74.4	4522.0	58501	9.751 ng/ml
7-aminoclonazepam	4.318	216530	947.2	84.7	38755.8	99609	99.108 ng/ml
a-hydroxyalprazolam	5.714	28044	1264.7	62.4	2261.6	16637	96.230 ng/ml
alpha-PVP	4.412	986282	1389.6	52.1	1700.8	441050	94.341 ng/ml
Alprazolam	5.787	403135	10391.3	109.7	2476.4	150611	97.448 ng/ml
Amphetamine	3.132	1154798	1857.6	53.7	1138.6	239558	102.174 ng/ml
Benzoylcegonine	3.936	19532	26368.6	8.0	2789.1	7687	95.632 ng/ml
Buprenorphine	5.842	18003	1613.0	16.1	1340.3	57711	9.266 ng/ml
Bupropion	4.835	1087381	10318.3	59.9	591.6	446649	100.108 ng/ml
Carisoprodol	5.738	349113	3119.9	59.1	2203.0	170505	98.137 ng/ml
Citalopram	5.266	786432	1117.7	46.2	555.2	361575	101.780 ng/ml
Clonazepam	5.633	100796	88029.3	33.3	524.2	18313	105.021 ng/ml
Cocaine	4.307	839418	972.3	44.0	272015.7	671193	99.875 ng/ml
Codeine	2.658	103376	110615.2	106.6	1876.6	54188	97.090 ng/ml
Cyclobenzaprine	5.640	797358	6235.4	10.2	1506.9	319545	100.996 ng/ml
Dextromethorphan	5.311	515827	32604.1	76.5	694.6	258924	95.946 ng/ml
Dextrorphan	4.166	351230	451948.7	214.3	808976.1	422043	97.642 ng/ml
Diazepam	5.957	324110	4619.3	86.0	6151.7	160951	101.021 ng/ml
Dihydrocodeine	2.632	311322	76962.6	65.6	486.4	188873	101.404 ng/ml
Diphenhydramine	5.337	2302559	150426.2	33.6	48122.7	1330034	92.963 ng/ml
Doxylamine	4.579	2535723	404952.5	97.5	32661.5	1128449	101.398 ng/ml
EDDP	5.300	466822	2256.4	235.7	4246.1	558417	99.494 ng/ml
Fentanyl	5.143	85255	9892.5	74.1	1164.9	451562	9.540 ng/ml
Fluoxetine	5.721	885811	3907.5	8.7	32153.9	380633	100.001 ng/ml
Hydrocodone	3.084	326813	470.9	36.9	811.2	202345	98.718 ng/ml
Hydromorphone	1.678	253485	15341.9	73.9	14364.9	98034	100.091 ng/ml
Ketamine	4.097	744000	1431595.0	38.7	3001.5	381215	100.642 ng/ml
Lamotrigine	4.345	76824	2515.0	89.2	8230.6	258924	97.364 ng/ml
Lorazepam	5.761	35099	306.3	56.5	289.8	150611	97.141 ng/ml
Meprobamate	4.962	128175	20034.8	29.5	2255.1	63677	102.006 ng/ml
Methadone	5.669	1584437	9732.0	46.9	2578.2	789712	97.631 ng/ml
Methamphetamine	3.289	1099168	376.1	39.8	958.0	434747	106.973 ng/ml
Metoprolol	4.369	209316	454681.6	97.3	33120.3	1330034	98.996 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	1613648	212380.2	46.9	128546.1	789712	92.046 ng/ml
Mitragynine	5.271	207500	233281.1	37.6	69471.8	789712	109.189 ng/ml
Morphine	1.287	50135	39092.1	22.2	79.6	7194	99.058 ng/ml
Norbuprenorphine	5.039	1509	607.3	106.1	1525.7	9214	9.238 ng/ml
Nordiazepam	5.907	170337	72017.2	62.6	10975.3	59863	99.159 ng/ml
Norfentanyl	4.127	142963	82786.5	39.8	1401.7	644779	9.798 ng/ml
Norhydrocodone	3.130	24959	1866.2	40.6	1172.7	70188	96.093 ng/ml
Noroxycodone	2.987	226861	1481.3	40.9	360.7	83476	102.678 ng/ml
O-desmethyl-tramadol	3.425	1807392	117988.8	6.4	1101.1	1001665	96.231 ng/ml
Oxazepam	5.763	44444	663.2	73.2	644.8	28625	94.730 ng/ml
Oxycodone	2.910	554728	6042.1	29.2	494.3	285167	100.658 ng/ml
Oxymorphone	1.465	218472	635908.7	43.5	164299.7	91457	104.529 ng/ml
Phentermine	3.833	380578	575.2	4.5	332.9	443136	106.307 ng/ml
Promethazine	5.568	1327559	115783.5	31.7	1882.3	616045	96.942 ng/ml
Quetiapine	5.580	1054054	1928.4	58.5	471292.5	157831	99.896 ng/ml
Sertraline	5.788	384489	317977.5	100.7	278998.5	187189	99.675 ng/ml
Temazepam	5.829	350021	5056.3	30.4	857.7	174411	97.931 ng/ml
Tramadol	4.288	1824761	223113.6	3.5	826.1	1031580	102.076 ng/ml
Trazodone	5.204	1112616	138554.2	78.1	864.6	515759	98.246 ng/ml
Venlafaxine	5.088	1676715	149170.1	38.7	15057.9	880947	96.822 ng/ml
Zolpidem	4.960	1895923	860630.5	30.6	57240.7	865696	101.624 ng/ml



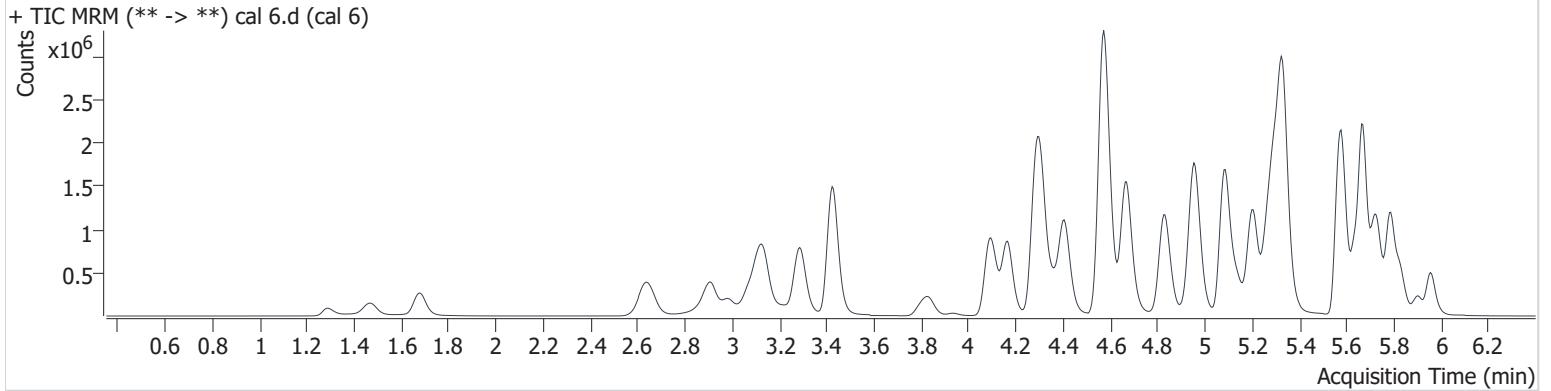
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

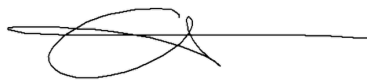
Instrument 69679
Type Cal
Acq. Method mdq p1 cda 121818.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 9/24/2019 5:47:28 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	43231	799.8	74.9	862.7	47411	25.202 ng/ml
7-aminoclonazepam	4.313	336507	270.4	87.7	9750.3	65558	235.043 ng/ml
a-hydroxyalprazolam	5.709	56837	1565.0	59.1	1179.4	13338	243.505 ng/ml
alpha-PVP	4.407	2048415	5123.6	52.1	74110.1	362420	237.261 ng/ml
Alprazolam	5.787	803131	5371.8	111.6	1077.1	116992	249.965 ng/ml
Amphetamine	3.132	2054313	8548.1	52.2	22246.9	179221	245.110 ng/ml
Benzoylcegonine	3.936	47197	43436.3	8.0	161.6	7030	252.776 ng/ml
Buprenorphine	5.842	33717	37008.7	16.1	4659.6	42536	22.333 ng/ml
Bupropion	4.835	2324760	235305.3	59.6	145207.9	381286	251.711 ng/ml
Carisoprodol	5.738	687161	730664.7	57.8	3465.9	129908	253.654 ng/ml
Citalopram	5.266	1530905	359.5	46.9	458375.8	277547	259.138 ng/ml
Clonazepam	5.633	194520	1777.5	33.2	90862.0	15399	242.309 ng/ml
Cocaine	4.307	1681131	5806.7	43.8	2255.7	526078	256.048 ng/ml
Codeine	2.658	206712	49486.1	104.2	612.8	41909	251.898 ng/ml
Cyclobenzaprine	5.640	1346984	318181.6	10.2	7629.1	214025	255.725 ng/ml
Dextromethorphan	5.306	993367	3829.7	75.7	3571.9	189163	253.035 ng/ml
Dextrorphan	4.166	722273	118307.8	214.7	221851.7	342618	247.459 ng/ml
Diazepam	5.957	642873	2825.9	86.4	7904.0	126887	255.441 ng/ml
Dihydrocodeine	2.632	640310	126992.5	64.2	42822.7	163017	242.810 ng/ml
Diphenhydramine	5.332	4553797	1016.9	33.8	3634.0	1017761	238.684 ng/ml
Doxylamine	4.574	5509298	435724.4	97.0	8075.3	958847	259.973 ng/ml
EDDP	5.295	799037	1852.6	239.2	79008.1	386824	246.315 ng/ml
Fentanyl	5.143	171379	142081.0	74.6	1100.9	360581	23.996 ng/ml
Fluoxetine	5.721	1408112	158673.0	8.5	155536.3	234632	258.818 ng/ml
Hydrocodone	3.079	692564	1660.9	39.9	761.3	169341	250.596 ng/ml
Hydromorphone	1.678	547589	17039.9	73.5	52178.0	83690	253.089 ng/ml
Ketamine	4.092	1608302	1431674.9	38.1	988.9	328497	253.484 ng/ml
Lamotrigine	4.340	143766	4747.2	88.1	11190.6	189163	250.005 ng/ml
Lorazepam	5.755	62760	52779.2	55.6	143.5	116992	225.637 ng/ml
Meprobamate	4.962	242376	88517.8	29.5	193.5	50525	244.385 ng/ml
Methadone	5.669	3247469	6350.0	45.3	173135.1	623546	253.303 ng/ml
Methamphetamine	3.289	1547105	5198.7	39.8	2534.7	261268	254.160 ng/ml
Metoprolol	4.364	406901	93299.3	96.8	103185.7	1017761	252.349 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	3434984	7359.4	46.4	85147.5	623546	247.363 ng/ml
Mitragynine	5.271	352231	4039.7	39.3	156901.8	623546	236.184 ng/ml
Morphine	1.292	107279	2056.8	22.4	89502.6	6053	252.423 ng/ml
Norbuprenorphine	5.034	3300	1887.6	97.7	838.6	7254	26.809 ng/ml
Nordiazepam	5.907	324615	348638.0	60.5	79288.6	45098	251.750 ng/ml
Norfentanyl	4.127	296965	67081.1	39.7	634.6	514616	25.520 ng/ml
Norhydrocodone	3.130	57860	4251.0	40.5	976.7	59212	260.981 ng/ml
Noroxycodone	2.987	465791	2334.2	41.9	1043.0	69229	255.701 ng/ml
O-desmethyl-tramadol	3.425	3929110	314932.3	6.3	12929.4	846892	247.385 ng/ml
Oxazepam	5.763	76498	2878.5	73.1	529.0	18764	248.308 ng/ml
Oxycodone	2.905	1208469	2340.1	28.9	12446.5	248496	252.434 ng/ml
Oxymorphone	1.470	447843	2066050.7	43.8	20819.8	76100	259.660 ng/ml
Phentermine	3.833	673679	1515.3	4.5	419.2	335543	250.515 ng/ml
Promethazine	5.568	2286706	88168.8	31.1	13139.1	416558	246.657 ng/ml
Quetiapine	5.580	2146114	2429890.3	58.3	1116288.0	127776	251.686 ng/ml
Sertraline	5.788	572477	14877.4	101.8	50494.3	112242	247.812 ng/ml
Temazepam	5.829	685609	18386.5	30.9	1264.9	137120	244.083 ng/ml
Tramadol	4.288	3717039	276091.6	3.4	8058.2	865412	249.419 ng/ml
Trazodone	5.204	2323168	392.1	76.8	237111.4	441787	240.011 ng/ml
Venlafaxine	5.083	3542945	251530.2	38.4	24601.1	744027	241.673 ng/ml
Zolpidem	4.955	4059778	1008.7	30.4	2035.1	745364	253.611 ng/ml

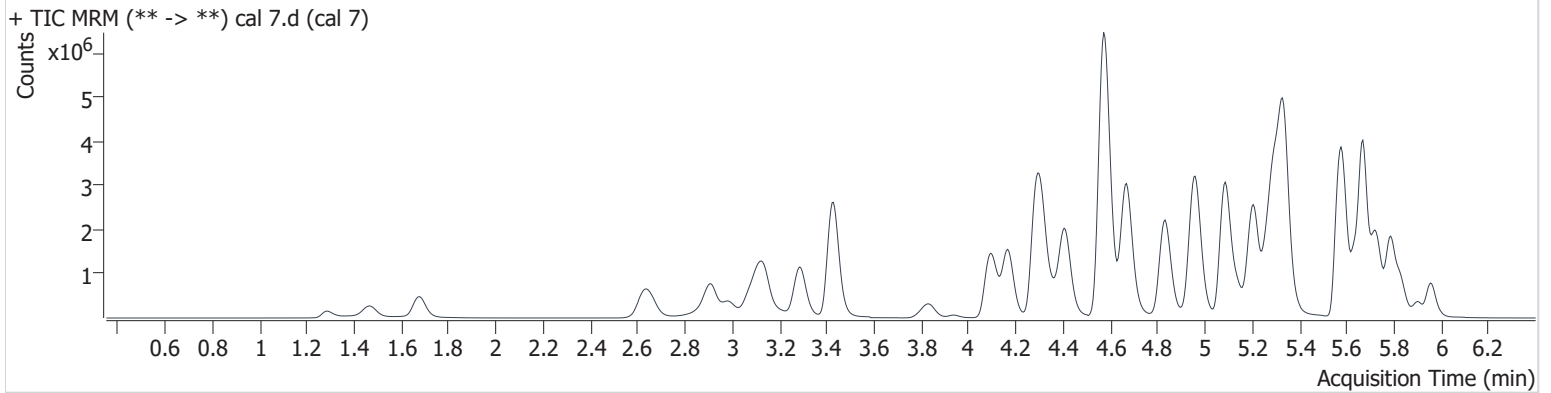
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679
Type Cal
Acq. Method mdq p1 cda 121818.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 9/24/2019 5:58:16 PM
Sample Info.

Data File cal 7.d
Sample cal 7
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.194	91254	1341.7	74.7	3005.9	47068	53.565 ng/ml
7-aminoclonazepam	4.318	438477	27338.1	81.9	8090.0	43736	459.797 ng/ml
a-hydroxyalprazolam	5.709	97088	1240.0	57.9	1606.6	11055	502.041 ng/ml
alpha-PVP	4.412	4115464	30820.7	51.7	35098.6	355578	485.041 ng/ml
Alprazolam	5.787	1368073	16065.3	111.0	1562.1	99119	502.603 ng/ml
Amphetamine	3.132	3203233	35759.4	52.1	905.0	149027	460.999 ng/ml
Benzoylcegonine	3.936	105232	56820.2	7.6	12411.7	7590	522.055 ng/ml
Buprenorphine	5.842	77204	78019.0	16.1	230.8	39061	54.513 ng/ml
Bupropion	4.835	4685313	26192.3	59.1	195987.9	384977	503.094 ng/ml
Carisoprodol	5.738	1088497	506981.4	56.9	35566.6	102204	510.795 ng/ml
Citalopram	5.266	2647194	112950.9	47.4	325.9	243772	510.823 ng/ml
Clonazepam	5.633	285541	919.0	33.4	85802.7	11756	466.842 ng/ml
Cocaine	4.307	3008197	529.7	43.8	440843.6	467982	515.600 ng/ml
Codeine	2.658	364782	314.5	103.9	1051.3	39338	474.057 ng/ml
Cyclobenzaprine	5.640	2600045	506248.4	10.0	3464.7	204281	517.829 ng/ml
Dextromethorphan	5.311	1631149	103517.7	76.4	4557.4	155750	504.707 ng/ml
Dextrorphan	4.166	1447753	114311.6	216.2	428335.7	343004	495.537 ng/ml
Diazepam	5.957	1131333	1091.4	85.7	6563.5	114280	499.918 ng/ml
Dihydrocodeine	2.627	1183229	1310.3	64.3	109533.1	168894	433.735 ng/ml
Diphenhydramine	5.337	8209961	7596.0	33.3	2302.7	897714	486.821 ng/ml
Doxylamine	4.574	11372236	547233.2	97.4	500999.7	997827	516.112 ng/ml
EDDP	5.300	1963282	4555.7	243.7	379619.1	468067	500.494 ng/ml
Fentanyl	5.143	395581	48477.3	75.7	341931.9	404083	49.413 ng/ml
Fluoxetine	5.721	2602681	10982.2	8.5	157214.1	224223	501.148 ng/ml
Hydrocodone	3.079	1435205	4228.1	38.6	22.5	175363	501.889 ng/ml
Hydromorphone	1.678	1079822	4649.2	73.6	54621.8	82501	506.149 ng/ml
Ketamine	4.097	3085273	2715.7	37.9	30755.1	322492	495.964 ng/ml
Lamotrigine	4.345	221081	430.4	88.5	407.5	155750	467.266 ng/ml
Lorazepam	5.761	103473	138327.2	56.0	644.9	99119	440.563 ng/ml
Meprobamate	4.968	388235	440488.4	29.6	53764.0	45073	439.535 ng/ml
Methadone	5.669	6593074	139501.9	45.0	196861.6	625207	512.813 ng/ml
Methamphetamine	3.289	2282638	1024.5	39.7	677.1	202060	487.325 ng/ml
Metoprolol	4.369	648743	1455785.4	96.0	2720.8	897714	456.586 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.671	7011153	7831.1	46.1	272336.5	625207	503.068 ng/ml
Mitragynine	5.271	701890	5016.5	39.7	812.2	625207	470.631 ng/ml
Morphine	1.287	195657	1571413.3	22.1	161804.0	5452	511.499 ng/ml
Norbuprenorphine	5.039	7156	678.7	96.6	8898.6	8276	51.543 ng/ml
Nordiazepam	5.907	523980	274910.7	61.0	20585.7	37334	491.441 ng/ml
Norfentanyl	4.127	553002	550.0	40.4	3737.6	464366	52.678 ng/ml
Norhydrocodone	3.135	119977	8720.3	40.9	939.0	56281	567.269 ng/ml
Noroxycodone	2.987	918190	3652.3	39.5	3902.8	68566	509.927 ng/ml
O-desmethyl-tramadol	3.430	7873301	323382.8	6.2	962.8	835183	502.639 ng/ml
Oxazepam	5.763	121011	781.9	74.8	903.1	15013	490.651 ng/ml
Oxycodone	2.910	2568208	2956.1	28.9	1889.0	267707	498.481 ng/ml
Oxymorphone	1.465	899537	3845368.6	43.3	3025.1	77379	514.359 ng/ml
Phentermine	3.833	1079923	5161.4	4.5	567.8	297835	453.627 ng/ml
Promethazine	5.568	4870767	3249091.0	30.9	710777.0	435456	502.392 ng/ml
Quetiapine	5.586	3939706	8883830.7	57.6	3494834.4	124419	474.758 ng/ml
Sertraline	5.788	938232	804231.3	101.7	512117.6	92164	494.824 ng/ml
Temazepam	5.829	1246611	4314.0	30.6	1778.7	121270	501.876 ng/ml
Tramadol	4.283	6869043	302982.8	3.4	249.4	788953	506.718 ng/ml
Trazodone	5.204	4974567	362765.9	77.0	289919.8	508234	447.055 ng/ml
Venlafaxine	5.088	7178078	364956.7	38.1	1800.1	731545	497.589 ng/ml
Zolpidem	4.960	8147030	2972.0	30.0	178964.6	764716	496.618 ng/ml

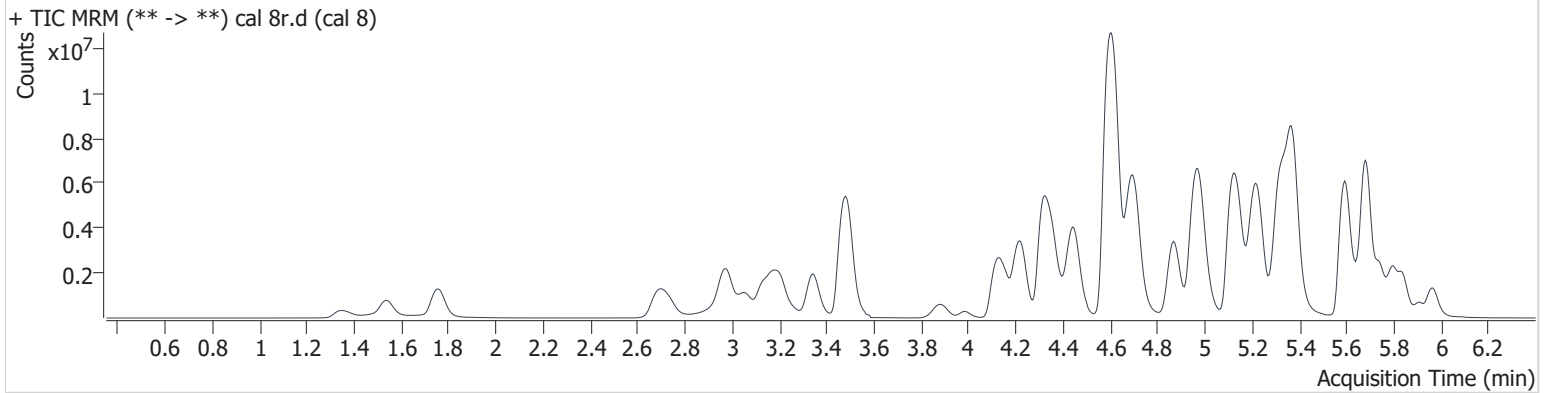
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\am28-27 092419\QuantResults\mdq.batch.bin
Calibration Last Update 9/25/2019 9:32:07 AM

Instrument 69679
Type Cal
Acq. Method mdq p1 cda 121818.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 9/25/2019 8:51:36 AM
Sample Info.

Data File cal 8r.d
Sample cal 8
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.255	265371	371.5	74.7	587.5	70503	103.975 ng/ml
7-aminoclonazepam	4.363	528295	53285.7	82.4	426920.6	23018	1053.575 ng/ml
a-hydroxyalprazolam	5.724	271039	1991.4	58.6	4483.4	14400	1076.129 ng/ml
alpha-PVP	4.448	9471086	4553.3	52.1	2485.8	383320	1034.575 ng/ml
Alprazolam	5.798	2667733	767.1	111.1	64887.5	97119	1000.281 ng/ml
Amphetamine	3.198	5393915	24078.0	50.7	50436.2	126902	913.145 ng/ml
Benzoylcegonine	3.982	525405	640.3	8.2	47587.5	11997	1649.214 ng/ml
Buprenorphine	5.816	73402	45622.1	15.8	7397.2	18146	110.747 ng/ml
Bupropion	4.872	7661996	1292592.4	60.0	81857.9	329765	961.068 ng/ml
Carisoprodol	5.749	2475625	2026613.3	58.4	37310.7	121345	978.549 ng/ml
Citalopram	5.297	3809690	340116.8	44.5	241123.3	183568	976.856 ng/ml
Clonazepam	5.643	659524	559393.1	34.7	183739.9	14007	905.930 ng/ml
Cocaine	4.348	5427148	6076317.4	45.4	306357.6	445375	977.909 ng/ml
Codeine	2.734	868379	24108.4	99.5	4570.2	43032	1032.291 ng/ml
Cyclobenzaprine	5.650	2157185	240246.2	8.9	7996.4	90077	974.913 ng/ml
Dextromethorphan	5.347	2219442	3524.5	74.6	723586.0	101823	1050.520 ng/ml
Dextrorphan	4.217	3910441	2391310.0	222.4	245763.5	454972	1009.154 ng/ml
Diazepam	5.968	2223001	18234.5	87.2	2897.7	113304	991.598 ng/ml
Dihydrocodeine	2.687	2819704	85336.4	64.0	∞	251332	695.096 ng/ml
Diphenhydramine	5.377	16182685	4798.2	33.8	70457.3	832730	1033.334 ng/ml
Doxylamine	4.604	28638285	2270954.0	96.7	2229604.1	1492046	869.505 ng/ml
EDDP	5.331	5390895	223648.6	243.1	520834.3	617177	1042.606 ng/ml
Fentanyl	5.168	691413	217438.2	80.0	278.4	301477	115.743 ng/ml
Fluoxetine	5.726	886174	1278911.8	8.7	50177.3	38708	988.994 ng/ml
Hydrocodone	3.134	4195168	2815.8	38.7	604.9	258238	996.637 ng/ml
Hydromorphone	1.759	3261074	8290374.5	74.4	531786.9	128538	980.995 ng/ml
Ketamine	4.127	7160935	9447.5	36.2	963.8	401986	924.074 ng/ml
Lamotrigine	4.406	278517	6174.6	89.1	1600.0	101823	900.783 ng/ml
Lorazepam	5.766	326514	14898.6	56.7	3501.3	97119	1422.306 ng/ml
Meprobamate	5.014	1246024	442.7	28.8	424756.7	40021	1591.150 ng/ml
Methadone	5.683	13811231	288758.5	46.9	260202.2	680096	987.472 ng/ml
Methamphetamine	3.344	3990295	16421.5	39.6	11150.1	200077	862.403 ng/ml
Metoprolol	4.394	1182282	70759.1	96.7	196120.8	832730	897.564 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.696	16976025	6475.7	44.1	8028.3	680096	1119.195 ng/ml
Mitragynine	5.291	845186	2678.4	39.5	835.4	680096	521.111 ng/ml
Morphine	1.347	544450	1785636.6	21.6	274447.3	8255	940.335 ng/ml
Norbuprenorphine	5.075	16759	27212.4	104.8	1232.7	11034	91.031 ng/ml
Nordiazepam	5.912	992146	975524.7	61.2	149991.2	36570	950.524 ng/ml
Norfentanyl	4.168	1535236	689.5	40.1	735.2	539699	125.847 ng/ml
Norhydrocodone	3.196	459133	128.0	41.2	138.1	82836	1472.132 ng/ml
Noroxycodone	3.053	2526937	∞	43.5	605.5	98215	980.649 ng/ml
O-desmethyl-tramadol	3.481	20323905	1759639.8	6.0	35227.5	1079165	1004.126 ng/ml
Oxazepam	5.773	363646	9633.5	72.7	2390.2	21785	1015.832 ng/ml
Oxycodone	2.970	8050721	2292.6	29.3	3518.9	419857	996.872 ng/ml
Oxymorphone	1.535	2607090	7429851.3	45.3	6001159.9	119277	968.390 ng/ml
Phentermine	3.884	2353995	6126.2	5.6	4866.9	364448	809.242 ng/ml
Promethazine	5.583	4124697	2558606.9	31.0	1177.0	184309	1004.972 ng/ml
Quetiapine	5.596	9805517	8592275.8	59.3	3968.2	203260	723.448 ng/ml
Sertraline	5.803	166309	134285.1	100.7	248553.2	7730	1046.052 ng/ml
Temazepam	5.839	3300494	118729.0	28.3	6978.3	148050	1088.468 ng/ml
Tramadol	4.314	15120740	1276734.5	3.3	703.0	1013010	869.504 ng/ml
Trazodone	5.214	12894353	2918260.3	79.0	4411012.9	500723	1176.769 ng/ml
Venlafaxine	5.125	19141297	2165270.3	37.2	184128.9	955852	1015.120 ng/ml
Zolpidem	4.970	21101944	3869602.7	28.8	6338177.7	1079435	911.764 ng/ml