11/4/2020

REVIEWED
By Britany Wylie at 12:36 pm, Nov 05, 2020

Worklist: 4590

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2020-1979	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2069	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2089	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2094	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2095	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-2145	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2822	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2930	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2931	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3017	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3074	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3074	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3075	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 11-2-20 Analyst: Anne Nord
Plate lot#: 200513 (part IDP-111-2) Plate Expiration: 11/13/20

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: 20G20792 **Urine Blank lot:** 73020
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)
LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Pipette **250µL 00.5M 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. **Urine samples add 50 ul 1% HCl in MeOH**, Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Make necessary changes to integration limits
☒ 3. Integration linear and R^2 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:
Limited curve ranges –Lamotrigine 5-500, Methamphetamine 5-500, Metoprolol – 5-500, Mitragynine 5-500, buprenorphine 2.5-50 ~~Buprenorphine 2.5-500.~~ Venlafaxine quantitative range 5-500.
Not evaluated – norbuprenorphine (poor response) , phentermine (ratios out), norhydrocodone (ratios out), benzoylecgonine (poor response)

I extracted and started running the samples on 11/2/20 I noticed significant variability in the responses and retention times of some of the calibrators. I started trouble shooting and thought it was an injection problem or column problem. I changed the column and the needle seat. After reinjecting the samples it was became clear that the response was consistent for the sample in other words Cal 1 had good response and chromatography, cal 2 did not and when reinjected I would see the same results for both. I determined there was an issue with drying and reconstituting the samples. On 11/3/20 I repeated step 15 and 16 and added .1% HCL in MeOH to all the samples prior to drying. I reinjected the samples on 11/3/20.

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Date of Request
11/3/20

Requestor
Anne Nord

Analytical Method/Quality Standard
Toxicology Analytical Method 28

4.1.13 Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approximately 35 degrees Celsius. If run contains urine samples, at analysts' discretion, add 50 µl of 1% HCl in MeOH to the wells. Place ACT cover on top of plate prior to drying if run contains urine samples. The samples may also be dried in another type of heated nitrogen dryer (the temperature should be set at approximately 30-40 degrees Celsius).
Temperatures for this step are not critical and it is appropriate to use the equipment temperature readings. The temperatures does not need to be monitored or verified with a traceable thermometer. If this option is chosen, the samples will all be transferred to
10 mL glass centrifuge tubes and dried down in the dryer. The reconstitution step (below) will take place in the glass tubes and the samples will then be transferred back to the plate and sealed.

4.1.14 Reconstitute in 100 µL 20% LCMS grade methanol in LCMS Water and heat seal plate with foil.

Request

On 11/2/20 I did an extraction. Some of the compounds in some of the calibrators and controls had low responses, retention time shifts, wider peaks, and split peaks. I believe (through troubleshooting) that the eluate was not completely dry in the samples that this was observed. I am requesting to repeat the steps listed above. I am also requesting to add the 1% HCl in MeOH to the samples for this blood only run. This step will ensure the volatile samples do not evaporate during the drying process.

Review

☒ Departure approved
Comments:

☐ Departure Not Approved
Comments:

Celena Shrum

Celena Shrum Date: 11/03/2020
Title: Toxicology Discipline Lead

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	c2089-1	p3017-1	IS + Cal. 1	IS + QC_1					IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	c2095-1	p3074-1	IS + Cal. 2	IS + QC_2					IS + Sample	IS + Cal. 7
C	IS + Cal. 3	qc3	c2094-1	p3075-1	IS + Cal. 3	IS + QC_3					IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	p2822-2		IS + Cal. 4	IS + QC_4					qc2 urine	IS + Cal. 5
E	IS + Cal. 5	Qc 2 urine	c2145-1		IS + Cal. 5	qc2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	neg blood	p2931-1		IS + Cal. 6						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	c1979-1	p2930-1		IS + Cal. 7						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	c2069-1	p3074-2		IS + Cal. 8						IS + QC_1	IS + Cal. 1

Run blanks before

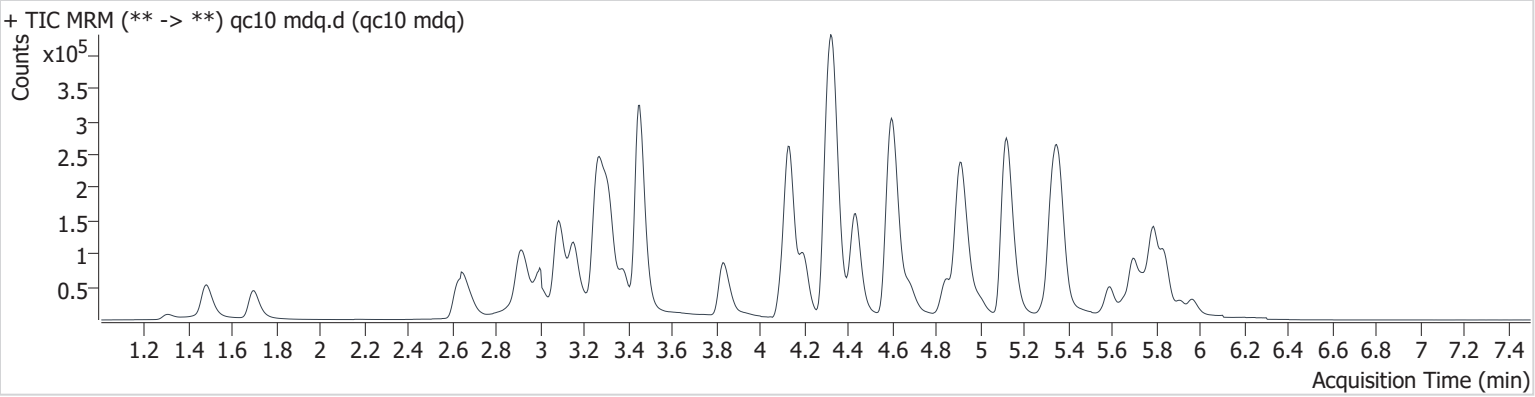
_2020-____-_

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	qc10 mdq.d
Type	QC	**Sample**	qc10 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-A2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 2:03:49 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
6-MAM	3.217	1417	974.9	75.9	1608.8	29446	1.027	ng/ml	
7-aminoclonazepam	4.323	28942	1141.1	97.8	755.5	118370	9.818	ng/ml	
a-hydroxyalprazolam	5.723	5964	169.4	61.7	123.1	31076	9.489	ng/ml	
alpha-PHP	5.000	40341	1564.8	40.1	1908.6	136237	10.947	ng/ml	
alpha-PVP	4.438	85239	284.7	51.3	546.4	370235	9.394	ng/ml	
Alprazolam	5.796	34584	391.8	116.0	256.3	131520	9.350	ng/ml	
Amphetamine	3.156	184839	898.9	45.6	713.1	277097	10.031	ng/ml	
~~Buprenorphine~~	~~5.717~~	~~265~~	~~46.8~~	~~8.0~~ **~~Low~~**	~~1.1~~ **~~Low~~**	~~6564~~	~~1.071~~	~~ng/ml~~	ocr
Bupropion	4.857	43091	2921.0	72.4	434.5	136237	9.734	ng/ml	
Carisoprodol	5.757	10728	293.5	82.3	263.0	54184	9.492	ng/ml	
Citalopram	5.297	15607	462.3	38.7	556.2	62795	10.188	ng/ml	
Clonazepam	5.651	11485	302.0	26.3	249.7	20013	9.477	ng/ml	
Cocaine	4.332	83164	2999.0	46.9	3228.1	556292	10.238	ng/ml	
Codeine	2.685	10376	427.5	116.7	948.8	56600	9.581	ng/ml	
Cyclobenzaprine	5.663	13655	779.5	9.0	31.2	36496	10.816	ng/ml	
Dextromethorphan	5.341	19002	607.7	70.8	323.2	85598	10.556	ng/ml	
Dextrorphan	4.197	15670	358.4	227.9	1268.9	198281	9.903	ng/ml	
Diazepam	5.973	10693	634.9	88.2	8580.3	51695	9.923	ng/ml	
Dihydrocodeine	2.658	30139	1760.3	58.6	217.5	165062	9.746	ng/ml	
Diphenhydramine	5.363	77701	3034.8	28.9	579.7	367478	10.434	ng/ml	
Doxylamine	4.610	215991	1385.4	97.8	702.6	819633	9.709	ng/ml	
EDDP	5.331	39018	4971.2	219.8	1252.5	439152	9.810	ng/ml	
Fentanyl	5.157	1736	36.0	72.2	1425.4	64275	1.216	ng/ml	
Fluoxetine	5.745	11713	176.6	6.8	1845.5	31501	11.848	ng/ml	
Hydrocodone	3.112	37968	545.7	33.8	32.2	209160	10.062	ng/ml	
Hydromorphone	1.702	32416	1072.3	67.2	336.1	98868	9.803	ng/ml	
Ketamine	4.117	51678	2856.4	38.9	116.0	209019	10.285	ng/ml	
Lamotrigine	4.365	4916	289.2	89.5	2898.2	674280	10.573	ng/ml	
Lorazepam	5.775	18045	126.7	43.8	121.6	148899	9.820	ng/ml	
MDA	3.298	85301	1482.2	24.6	501.4	250000	10.343	ng/ml	
MDMA	3.384	60568	1562.7	94.4	842.7	50330	10.342	ng/ml	
Meprobamate	4.971	19044	473.9	29.9	231.6	61695	9.950	ng/ml	
Methadone	5.698	38220	1717.1	57.9	392.3	165692	10.410	ng/ml	

AM #28 Multi-Drug Quant. Results

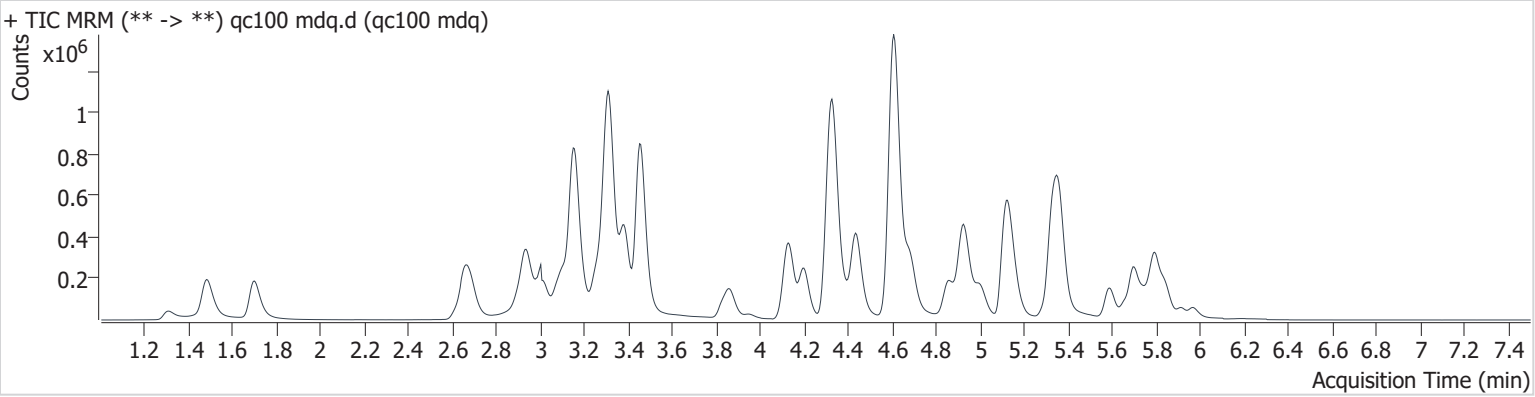
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	88870	555.4	230.7	504.4	609945	11.402	ng/ml
Metoprolol	4.395	11807	678.4	90.8	521.6	261210	9.121	ng/ml
Mirtazapine	4.682	69436	1940.5	45.8	521.8	165692	17.403	ng/ml
Mitragynine	5.286	2979	109.8	34.6	829.8	6564	9.366	ng/ml
Morphine	1.311	4703	420.6	20.1	98.2	7203	8.760	ng/ml
Nordiazepam	5.922	10283	810.2	61.6	6868.9	37996	10.003	ng/ml
Norfentanyl	4.158	2177	146.2	258.0	100.8	694429	0.990	ng/ml
Noroxycodone	3.010	33539	304.8	44.0	864.7	108559	10.448	ng/ml
O-desmethyl-tramadol	3.455	154520	4041.7	7.0	491.4	833882	10.228	ng/ml
Oxazepam	5.787	25709	432.5	80.7	192.0	148899	9.394	ng/ml
Oxycodone	2.937	86530	750.3	28.2	324.6	348100	9.930	ng/ml
Oxymorphone	1.484	44633	751.8	44.1	477.2	165957	9.882	ng/ml
Promethazine	5.591	18830	442.9	40.3	160.6	77092	10.888	ng/ml
Quetiapine	5.577	17730	10915.0	54.3	8217.6	21744	10.618	ng/ml
Sertraline	5.813	4040	63.8	95.3	21.0	13209	11.558	ng/ml
Temazepam	5.844	36266	180.0	29.5	62.7	180660	9.643	ng/ml
Tramadol	4.319	158704	5189.4	3.5	64.6	757940	9.910	ng/ml
Trazodone	5.151	25085	460.6	76.8	281.1	104703	10.005	ng/ml
Venlafaxine	5.118	85190	1988.0	42.3	28.1	702869	9.888	ng/ml
Zolpidem	4.927	148274	1985.4	31.9	244.4	674280	9.741	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	qc100 mdq.d
Type	QC	**Sample**	qc100 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-B2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 2:14:37 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	11982	448.6	80.6	6930.9	26732	9.804	ng/ml
7-aminoclonazepam	4.323	162262	2462.2	104.5	3543.9	67212	106.103	ng/ml
a-hydroxyalprazolam	5.728	35628	229.8	61.6	1033.9	18094	102.023	ng/ml
alpha-PHP	5.000	286361	4336.1	39.4	9795.0	96446	116.511	ng/ml
alpha-PVP	4.438	654488	17413.1	50.7	2014.9	284725	96.109	ng/ml
Alprazolam	5.796	217736	2023.4	115.1	1023.5	79234	97.369	ng/ml
Amphetamine	3.156	1902854	20486.3	44.0	5037.2	272162	112.471	ng/ml
Buprenorphine	5.722	1596	105.2	13.8	309.8	5337	10.095	ng/ml
Bupropion	4.857	310070	13221.4	70.8	1246.6	96446	103.084	ng/ml
Carisoprodol	5.752	65229	313.3	77.2	699.4	30718	105.618	ng/ml
Citalopram	5.297	126195	1070.7	37.4	33702.3	52461	102.357	ng/ml
Clonazepam	5.651	70529	1235.7	30.4	24006.4	11294	109.248	ng/ml
Cocaine	4.332	618631	30226.7	46.4	19529.4	426269	102.716	ng/ml
Codeine	2.685	104405	2516.5	118.5	1647.3	55866	100.067	ng/ml
Cyclobenzaprine	5.669	124719	34137.7	7.3	346.4	35137	106.989	ng/ml
Dextromethorphan	5.341	171774	1070.2	78.9	147.9	84722	98.487	ng/ml
Dextrorphan	4.197	158895	16876.1	224.1	3021.7	204738	100.013	ng/ml
Diazepam	5.968	61627	773.5	88.3	774.7	28784	103.880	ng/ml
Dihydrocodeine	2.653	335373	1927.9	59.1	21779.1	174796	108.473	ng/ml
Diphenhydramine	5.363	665816	19098.9	29.1	18149.3	330726	103.856	ng/ml
Doxylamine	4.604	2278752	2074.1	97.1	73367.1	838159	102.963	ng/ml
EDDP	5.331	343615	245910.5	218.5	7828.8	392948	96.283	ng/ml
Fentanyl	5.157	13273	196.5	75.0	366.4	62141	9.568	ng/ml
Fluoxetine	5.745	81817	435.9	6.9	5049.4	25813	107.677	ng/ml
Hydrocodone	3.107	377919	1774.1	34.8	934.1	206339	107.969	ng/ml
Hydromorphone	1.697	342267	9851.3	69.9	6525.4	103671	97.463	ng/ml
Ketamine	4.117	316280	6400.5	39.5	978.3	128689	107.245	ng/ml
Lamotrigine	4.365	30560	1283.0	91.9	5398.5	404190	116.869	ng/ml
Lorazepam	5.775	88548	1292.8	46.1	313.4	79459	98.376	ng/ml
MDA	3.292	838288	27156.4	24.6	16443.9	235568	114.503	ng/ml
MDMA	3.384	600814	80091.1	92.3	35678.0	48838	112.468	ng/ml
Meprobamate	4.976	120673	17565.0	29.7	2839.9	37930	110.530	ng/ml
Methadone	5.698	320766	7783.1	57.9	461.4	157482	94.383	ng/ml

AM #28 Multi-Drug Quant. Results

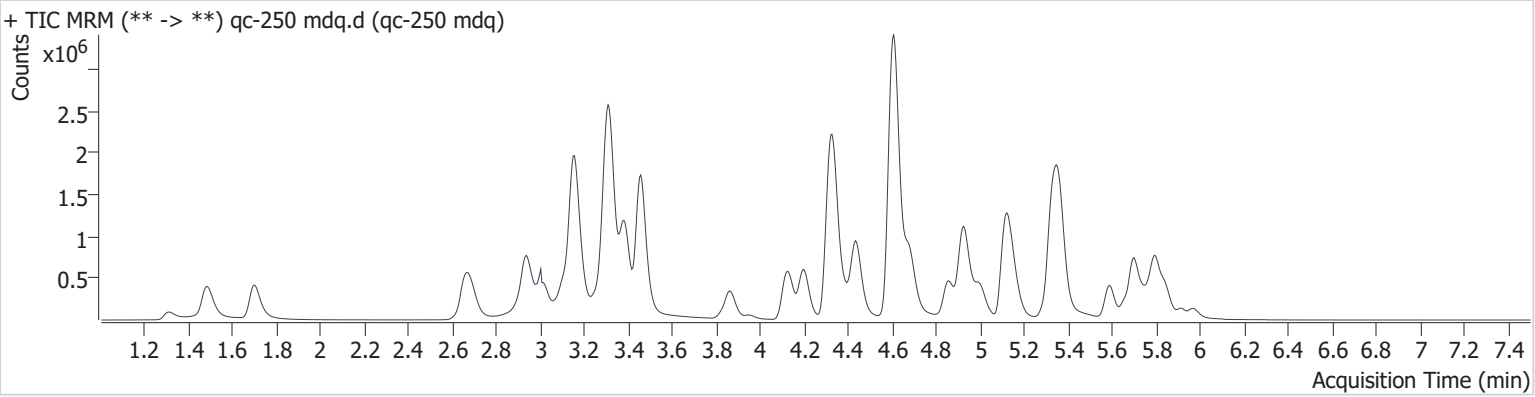
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.313	601287	2545.6	231.7	3573.4	621325	111.203	ng/ml
Metoprolol	4.395	117498	78269.0	92.4	6404.4	260015	107.768	ng/ml
Mirtazapine	4.682	504461	4170.6	47.1	5785.4	157482	132.457	ng/ml
Mitragynine	5.286	23644	1430.9	29.3	5019.1	5337	100.923	ng/ml
Morphine	1.306	52507	1589.5	18.8	489.9	6681	110.931	ng/ml
Nordiazepam	5.917	61104	3370.7	60.7	6067.0	20919	109.647	ng/ml
Norfentanyl	4.152	21682	368.1	284.3	3121.1	722164	9.857	ng/ml
Noroxycodone	3.010	359079	780.3	43.7	2298.6	111777	111.248	ng/ml
O-desmethyl-tramadol	3.455	1641924	57053.6	6.9	13296.8	870949	103.708	ng/ml
Oxazepam	5.787	144073	2696.9	75.2	679.6	79459	100.372	ng/ml
Oxycodone	2.932	873715	4647.2	28.4	4125.0	348012	103.604	ng/ml
Oxymorphone	1.484	469063	1209.6	44.1	1873.0	172625	103.469	ng/ml
Promethazine	5.591	152345	1338.5	41.0	907.8	73289	95.419	ng/ml
Quetiapine	5.577	122290	158948.7	58.3	50951.0	15459	111.942	ng/ml
Sertraline	5.813	33834	4812.2	97.1	36332.0	12791	106.635	ng/ml
Temazepam	5.844	204870	4519.5	30.3	228.9	96445	103.313	ng/ml
Tramadol	4.319	1574574	6095.7	3.4	291.2	737132	106.259	ng/ml
Trazodone	5.151	177727	2207.0	70.0	1448.2	79014	96.530	ng/ml
Venlafaxine	5.118	830437	67551.1	43.5	4512.4	660263	98.011	ng/ml
Zolpidem	4.927	924025	3459.3	31.8	3135.4	404190	103.313	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	qc-250 mdq.d
Type	QC	**Sample**	qc-250 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-C2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 2:25:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	34258	6569.4	72.4	706.2	31486	23.838	ng/ml
7-aminoclonazepam	4.323	411904	9009.4	94.3	20835.3	69710	261.187	ng/ml
a-hydroxyalprazolam	5.723	95730	755.8	60.7	525.9	19996	248.770	ng/ml
alpha-PHP	5.000	757798	39467.4	39.3	9963.6	112988	264.121	ng/ml
alpha-PVP	4.438	1694868	4616.7	51.0	15195.0	310966	228.236	ng/ml
Alprazolam	5.796	590015	1197.3	116.8	678.1	85983	243.084	ng/ml
Amphetamine	3.157	4715986	13856.9	44.8	42716.6	298700	254.951	ng/ml
Buprenorphine	5.722	4132	521.6	19.3	1347.5	5806	24.495	ng/ml
Bupropion	4.857	836147	11897.9	70.2	3108.2	112988	237.869	ng/ml
Carisoprodol	5.752	177083	1914.0	73.1	1328.5	35315	249.935	ng/ml
Citalopram	5.297	404795	7178.5	41.0	14078.2	72934	236.736	ng/ml
Clonazepam	5.651	189140	2293.4	30.4	4860.8	13225	250.994	ng/ml
Cocaine	4.332	1508179	15566.6	46.3	49630.8	433028	247.042	ng/ml
Codeine	2.690	253435	1447.1	115.8	7174.6	54770	248.151	ng/ml
Cyclobenzaprine	5.669	406615	757.3	8.4	3211.4	51530	238.474	ng/ml
Dextromethorphan	5.341	553831	123000.1	76.8	1567.5	114403	235.511	ng/ml
Dextrorphan	4.197	494084	115302.1	224.1	4283.0	262230	243.255	ng/ml
Diazepam	5.973	171533	4296.6	88.9	975.1	33522	248.442	ng/ml
Dihydrocodeine	2.653	793895	11164.6	57.8	3816.4	177827	253.247	ng/ml
Diphenhydramine	5.363	2101161	74875.8	29.3	46258.8	449828	241.667	ng/ml
Doxylamine	4.604	6076755	38095.5	96.8	146191.9	918505	250.982	ng/ml
EDDP	5.331	1125553	15513.0	222.3	82595.6	527835	234.747	ng/ml
Fentanyl	5.157	37965	522.9	75.7	1482.1	72521	23.439	ng/ml
Fluoxetine	5.750	223056	9002.7	7.5	15035.2	31782	239.510	ng/ml
Hydrocodone	3.112	961834	1449.9	35.7	570.1	229636	247.825	ng/ml
Hydromorphone	1.697	857418	6993.2	71.5	4534.1	102657	246.359	ng/ml
Ketamine	4.117	828032	19697.6	39.3	2370.0	145667	248.780	ng/ml
Lamotrigine	4.365	81331	1883.6	91.1	12854.9	477425	264.288	ng/ml
Lorazepam	5.775	226083	3298.6	46.0	861.1	83651	239.995	ng/ml
MDA	3.292	2219516	7095.8	25.1	1908.8	270608	264.828	ng/ml
MDMA	3.384	1713610	346934.6	90.1	73749.5	61375	256.176	ng/ml
Meprobamate	4.971	317698	430.6	29.7	4918.4	43912	252.446	ng/ml
Methadone	5.698	1143305	29202.3	55.1	11787.4	232785	228.028	ng/ml

AM #28 Multi-Drug Quant. Results

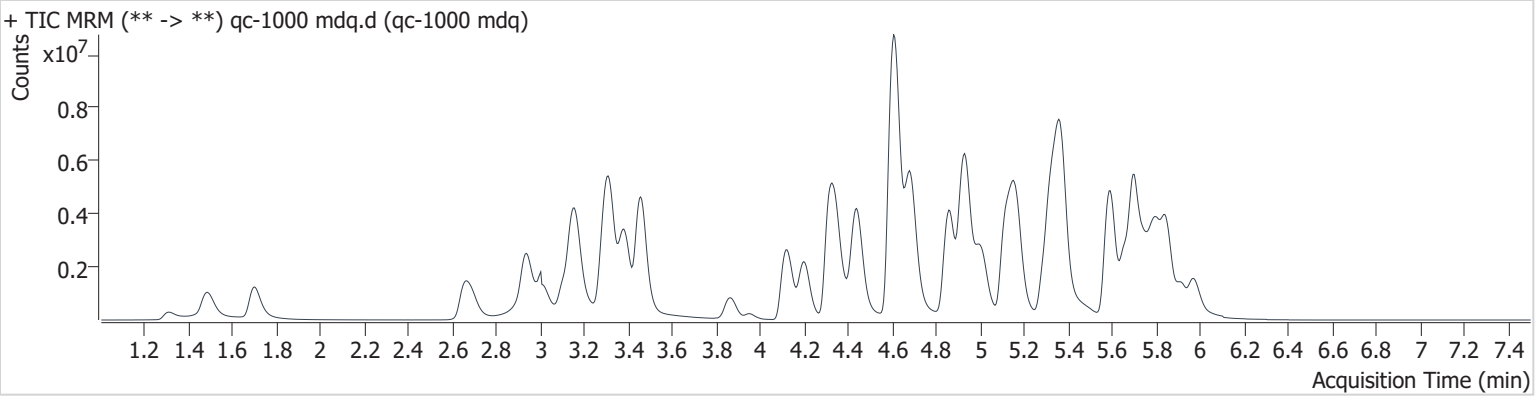
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	1420091	3255.7	235.7	15244.8	686837	244.729	ng/ml
Metoprolol	4.395	315525	23595.2	93.7	5574.2	311433	243.905	ng/ml
Mirtazapine	4.677	1448835	9865.3	47.8	11175.9	232785	257.281	ng/ml
Mitragynine	5.286	59071	1495.5	31.5	9757.4	5806	233.193	ng/ml
Morphine	1.311	120536	1348.3	20.6	638.4	6792	251.134	ng/ml
Nordiazepam	5.917	166190	69246.7	62.6	6531.8	25354	246.270	ng/ml
Norfentanyl	4.152	53763	482.7	279.0	461.4	746493	23.706	ng/ml
Noroxycodone	3.010	932383	2285.9	43.8	1405.7	123037	262.808	ng/ml
O-desmethyl-tramadol	3.455	4177525	3993.6	6.8	3506.5	907691	253.127	ng/ml
Oxazepam	5.787	368970	5832.4	75.3	2408.7	83651	244.433	ng/ml
Oxycodone	2.932	2207613	7860.0	28.7	6430.9	363457	251.168	ng/ml
Oxymorphone	1.479	1131092	9465.9	43.2	11607.6	171190	252.165	ng/ml
Promethazine	5.591	473226	6862.7	40.4	325.7	94853	229.529	ng/ml
Quetiapine	5.577	361776	316798.1	58.5	41788.7	19083	269.705	ng/ml
Sertraline	5.813	91951	66010.5	103.8	74705.2	15999	232.720	ng/ml
Temazepam	5.844	562551	2443.5	31.4	1023.9	115072	237.939	ng/ml
Tramadol	4.318	4124610	54640.9	3.5	917.5	827732	248.629	ng/ml
Trazodone	5.151	500919	2567.4	74.2	27519.7	89637	240.282	ng/ml
Venlafaxine	5.118	2451178	95077.5	42.3	335.2	747229	254.839	ng/ml
Zolpidem	4.921	2596172	15072.6	31.3	10571.7	477425	246.045	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	qc-1000 mdq.d
Type	QC	**Sample**	qc-1000 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-D2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 2:36:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
6-MAM	3.222	181349	3685.2	73.0	3075.8	38966	102.058	ng/ml	
7-aminoclonazepam	4.328	1148227	40690.9	89.3	14051.1	65476	777.197	ng/ml	
a-hydroxyalprazolam	5.723	254348	378.4	63.3	728.9	12341	1072.612	ng/ml	
alpha-PHP	5.006	6119851	74016.2	38.6	29319.3	282811	853.835	ng/ml	
alpha-PVP	4.438	9369145	21682.9	51.5	42138.8	365982	1072.967	ng/ml	
Alprazolam	5.802	2480870	1510.9	109.0	538.3	78828	1114.745	ng/ml	
Amphetamine	3.157	11111515	120686.7	46.1	4315.6	218067	824.540	ng/ml	
~~Buprenorphine~~	~~5.727~~	~~80233~~	~~5425.7~~	~~15.4~~	~~904.8~~	~~20342~~	~~137.277~~	~~ng/ml~~	ocr
Bupropion	4.860	8678878	9807.9	64.4	20683.6	282811	987.827	ng/ml	
Carisoprodol	5.757	1147017	2950.3	65.8	1429.5	57244	999.908	ng/ml	
Citalopram	5.292	3956702	138205.2	44.2	647058.0	169881	994.827	ng/ml	
Clonazepam	5.641	1845138	181642.5	31.1	94804.4	36711	883.649	ng/ml	
Cocaine	4.337	5449083	274660.0	43.7	107248.5	356623	1085.091	ng/ml	
Codeine	2.690	747319	3483.5	115.5	10373.9	40802	983.025	ng/ml	
Cyclobenzaprine	5.663	4907389	194195.1	8.5	755.9	145852	1018.544	ng/ml	
Dextromethorphan	5.336	2461054	290063.0	75.1	2043.9	117293	1021.606	ng/ml	
Dextrorphan	4.197	2155000	160487.8	227.8	158370.8	276269	1008.049	ng/ml	
Diazepam	5.973	2630807	12183.7	87.0	1486.9	128868	991.564	ng/ml	
Dihydrocodeine	2.653	2331034	13468.3	60.4	6527.0	153236	864.445	ng/ml	
Diphenhydramine	5.368	14333675	4683.0	29.0	4636.3	723292	1027.013	ng/ml	
Doxylamine	4.604	21389500	292794.0	96.5	259866.8	810254	1002.353	ng/ml	
EDDP	5.331	4383906	340557.3	227.3	2582.5	497279	970.399	ng/ml	
Fentanyl	5.162	561636	7857.9	76.9	3097.2	241497	104.101	ng/ml	
Fluoxetine	5.745	3766595	119808.7	7.6	4547.4	144756	890.372	ng/ml	
Hydrocodone	3.107	3378591	2848.1	35.7	1472.1	214743	932.846	ng/ml	
Hydromorphone	1.697	2925856	59930.2	71.1	24579.3	90468	953.547	ng/ml	
Ketamine	4.117	6618821	85305.8	38.5	9774.5	300354	966.057	ng/ml	
~~Lamotrigine~~	~~4.370~~	~~324128~~	~~2879.4~~	~~92.3~~	~~3894.2~~	~~766176~~	~~657.460~~	~~ng/ml~~	ocr
Lorazepam	5.775	999083	2499.7	47.8	3158.6	106945	831.973	ng/ml	
MDA	3.282	5787775	136981.5	25.3	45471.4	213955	875.062	ng/ml	
MDMA	3.379	6052377	171931.1	84.9	117310.8	54340	1024.123	ng/ml	
Meprobamate	4.971	1211042	988.7	27.5	11168.0	48022	882.079	ng/ml	
Methadone	5.700	10796802	333889.8	47.7	1930.0	467532	1073.340	ng/ml	

AM #28 Multi-Drug Quant. Results

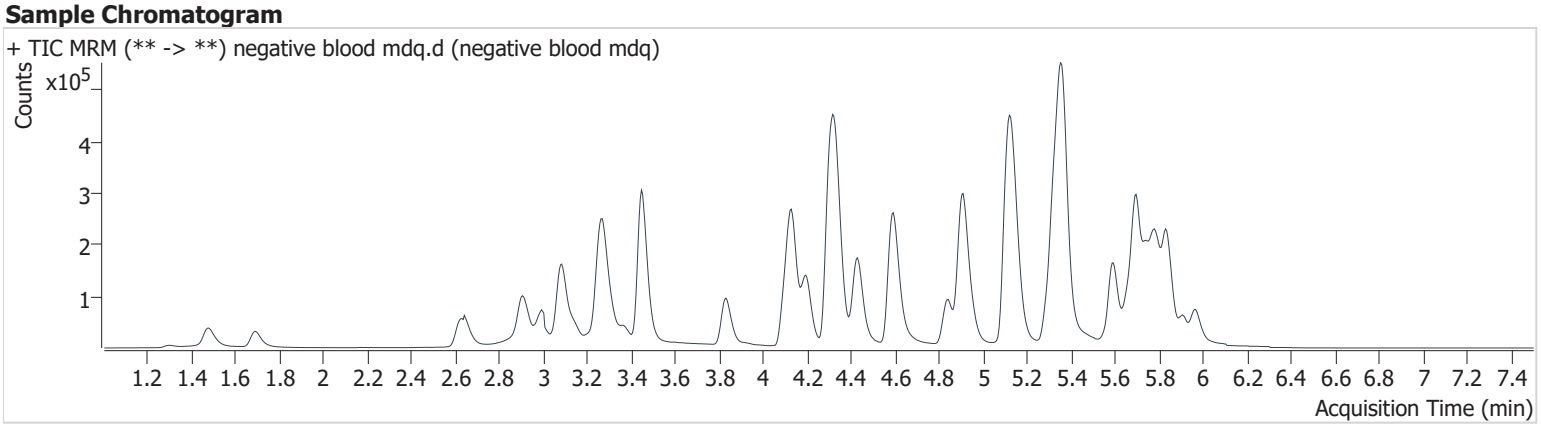
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
~~Methamphetamine~~	~~3.313~~	~~3121031~~	~~18462.8~~	~~242.0~~	~~38294.4~~	~~465966~~	~~806.887~~	~~ng/ml~~	ocr
~~Metoprolol~~	~~4.395~~	~~841464~~	~~264195.3~~	~~95.1~~	~~78913.2~~	~~266264~~	~~764.711~~	~~ng/ml~~	ocr
Mirtazapine	4.682	12203117	366693.3	45.5	111815.9	467532	1078.681	ng/ml	
~~Mitragynine~~	~~5.281~~	~~1126215~~	~~32232.9~~	~~34.4~~	~~81679.2~~	~~20342~~	~~1273.852~~	~~ng/ml~~	ocr
Morphine	1.311	420692	19299.3	19.5	3078.2	5889	1012.433	ng/ml	
Nordiazepam	5.917	2076309	376914.8	61.6	2810.0	72177	1081.374	ng/ml	
Norfentanyl	4.158	147439	14905.9	280.6	4294.7	429433	113.174	ng/ml	
Noroxycodone	3.010	2912725	14838.4	43.9	11964.7	100457	1006.322	ng/ml	
O-desmethyl-tramadol	3.457	14232301	40619.8	6.4	66299.5	727199	1076.293	ng/ml	
Oxazepam	5.782	2030024	2065.1	76.5	30653.8	106945	1052.507	ng/ml	
Oxycodone	2.932	8391429	5977.0	28.2	4233.1	351279	988.890	ng/ml	
Oxymorphone	1.484	3696027	51832.5	43.3	5339.0	145781	968.734	ng/ml	
Promethazine	5.591	8616314	3882022.3	36.3	1464261.4	387445	1024.403	ng/ml	
Quetiapine	5.567	3672129	49050.5	59.9	199357.8	58891	889.456	ng/ml	
Sertraline	5.813	1717223	133449.0	103.3	1865386.9	71291	978.159	ng/ml	
Temazepam	5.844	6769058	209005.1	30.7	13417.1	315813	1043.655	ng/ml	
Tramadol	4.314	11639617	2161.8	3.2	1746.1	642184	905.830	ng/ml	
Trazodone	5.160	7507599	3386.3	74.9	3609163.4	316478	1021.005	ng/ml	
Venlafaxine	5.118	9846460	2874.9	39.7	315961.2	621284	1229.339	ng/ml	
Zolpidem	4.928	17220883	48823.5	28.4	26560.9	766176	1017.664	ng/ml	

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

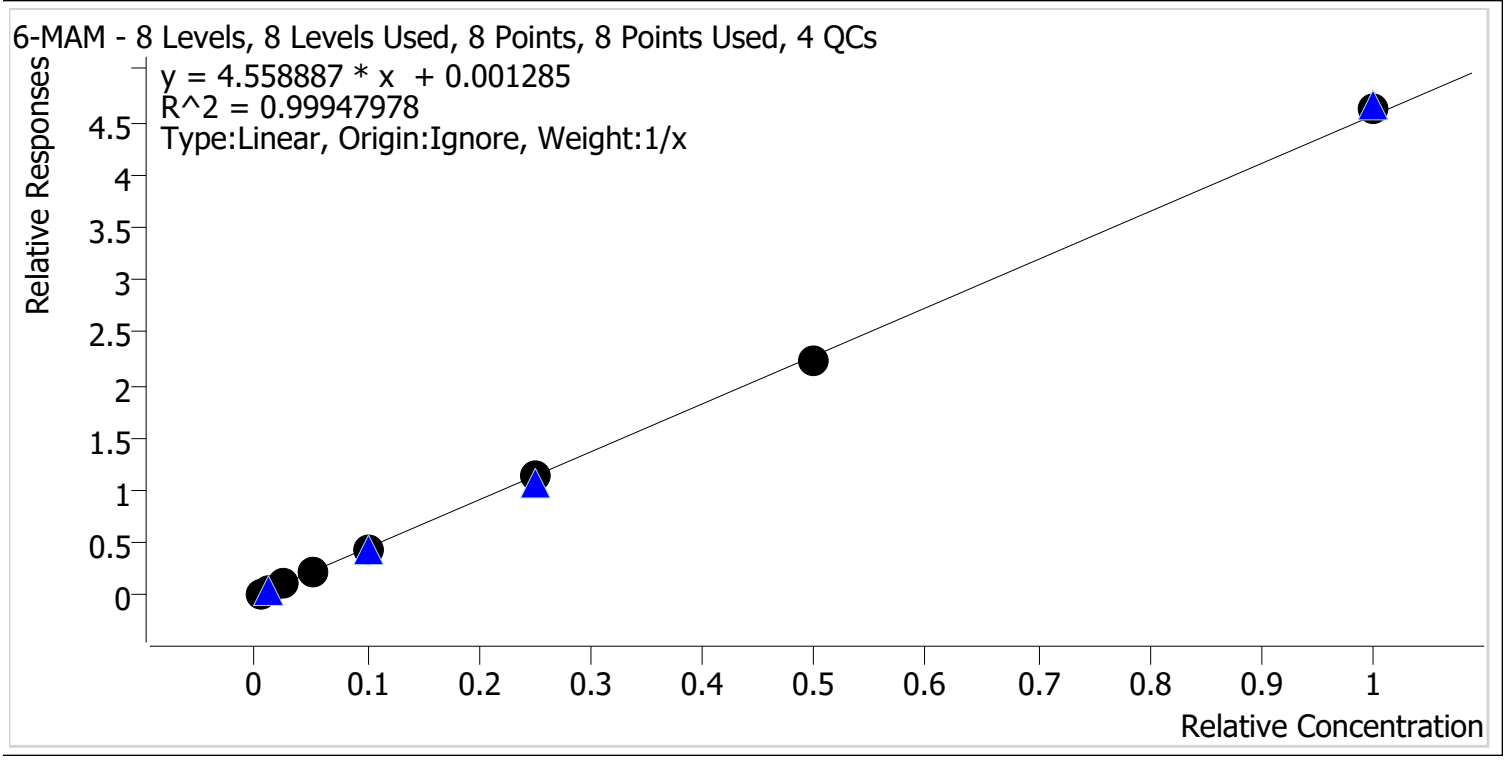
Instrument	69679	**Data File**	negative blood mdq.d
Type	Sample	**Sample**	negative blood mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-F2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 3:13:09 PM		
Sample Info.			

Sample Chromatogram



Compound Calibration Report

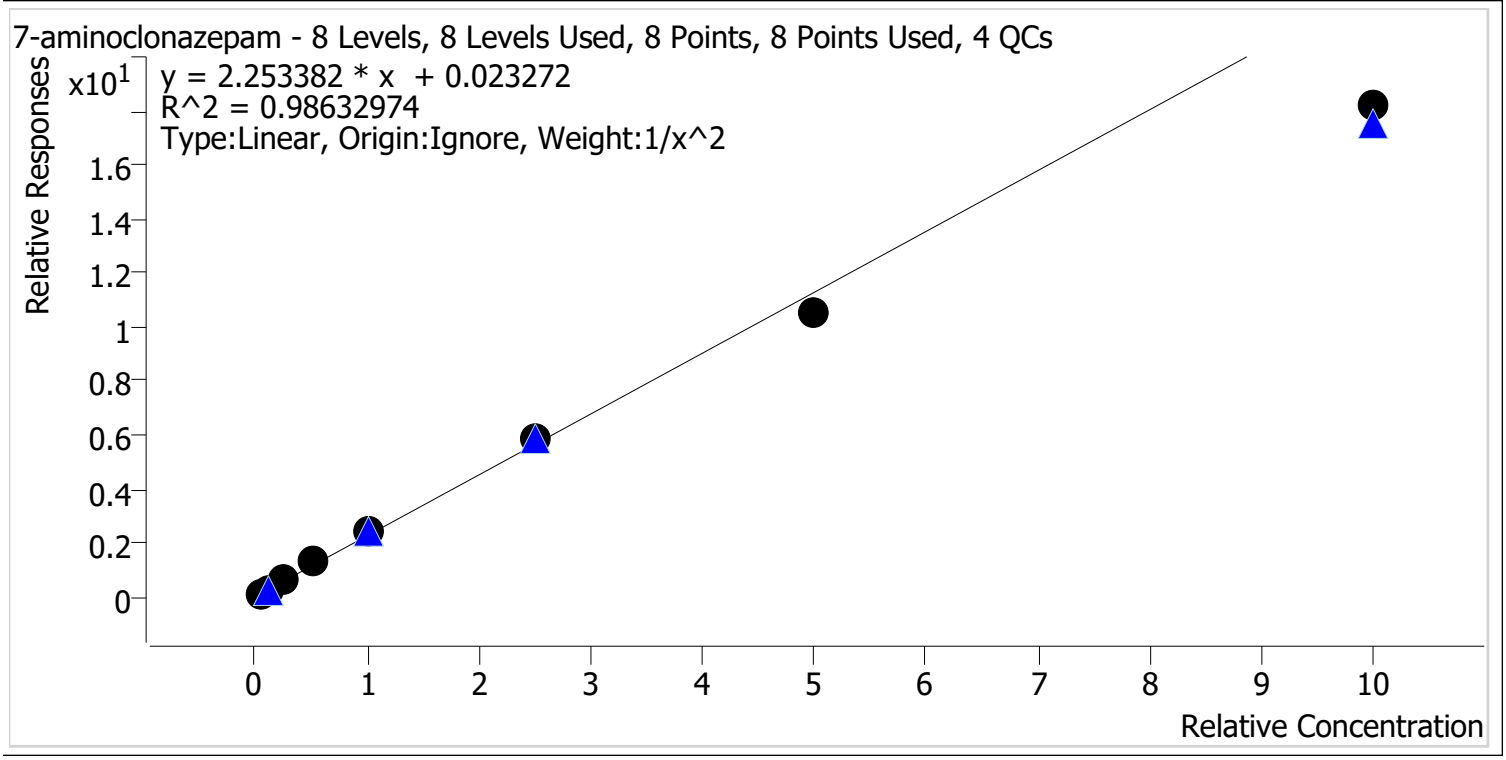
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	6-MAM
Internal Standard	6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	95.8
cal 2 mdq	2	✔	1.0	1.2	116.4
cal 3 mdq	3	✔	2.5	2.3	93.2
cal 4 mdq	4	✔	5.0	4.9	97.5
cal 5 mdq	5	✔	10.0	9.8	97.5
cal 6 mdq	6	✔	25.0	25.1	100.3
cal 7 mdq	7	✔	50.0	48.9	97.8
cal 8 mdq	8	✔	100.0	101.4	101.4

Compound Calibration Report

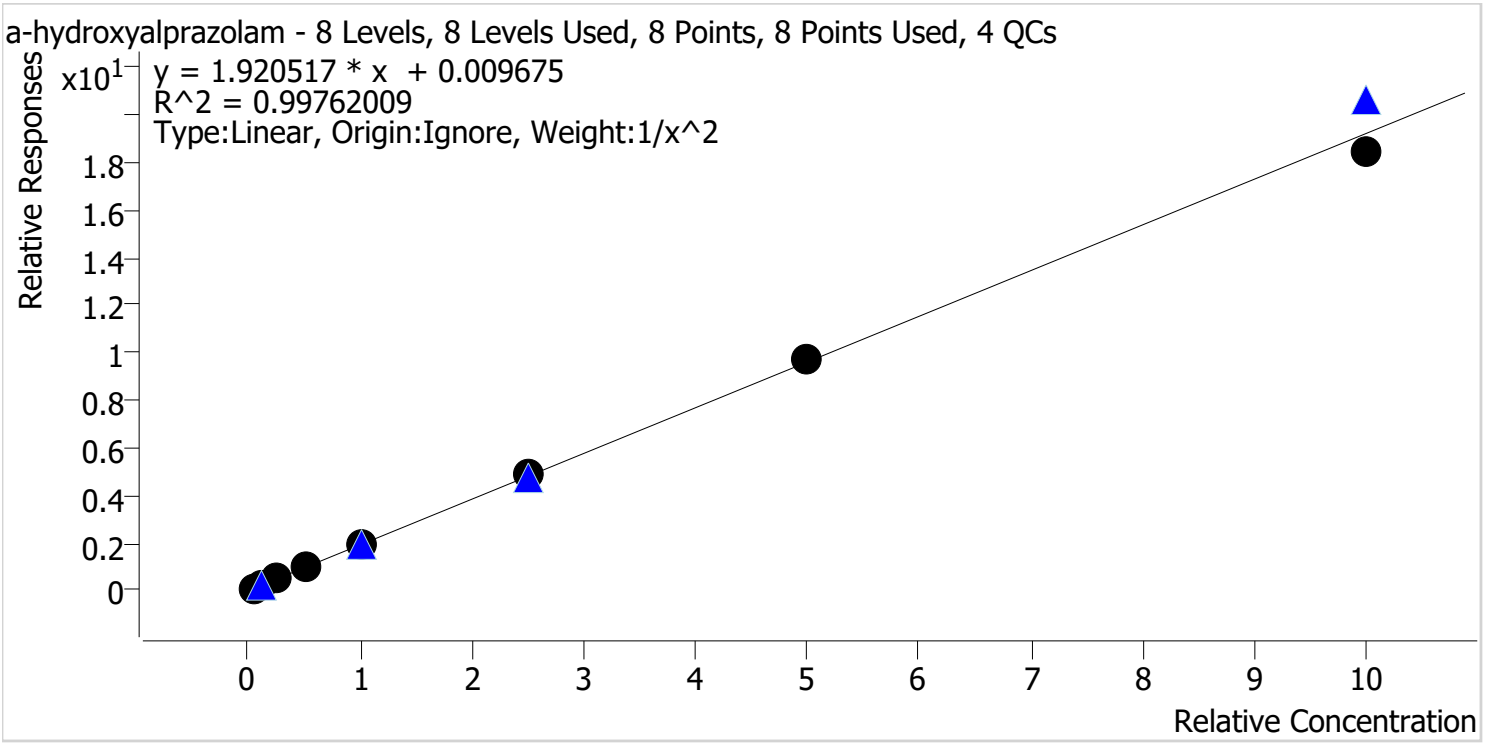
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	7-aminoclonazepam
Internal Standard	7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	93.8
cal 2 mdq	2	✔	10.0	10.8	108.2
cal 3 mdq	3	✔	25.0	25.9	103.6
cal 4 mdq	4	✔	50.0	56.1	112.2
cal 5 mdq	5	✔	100.0	105.6	105.6
cal 6 mdq	6	✔	250.0	257.3	102.9
cal 7 mdq	7	✔	500.0	464.8	93.0
cal 8 mdq	8	✔	1000.0	806.8	80.7

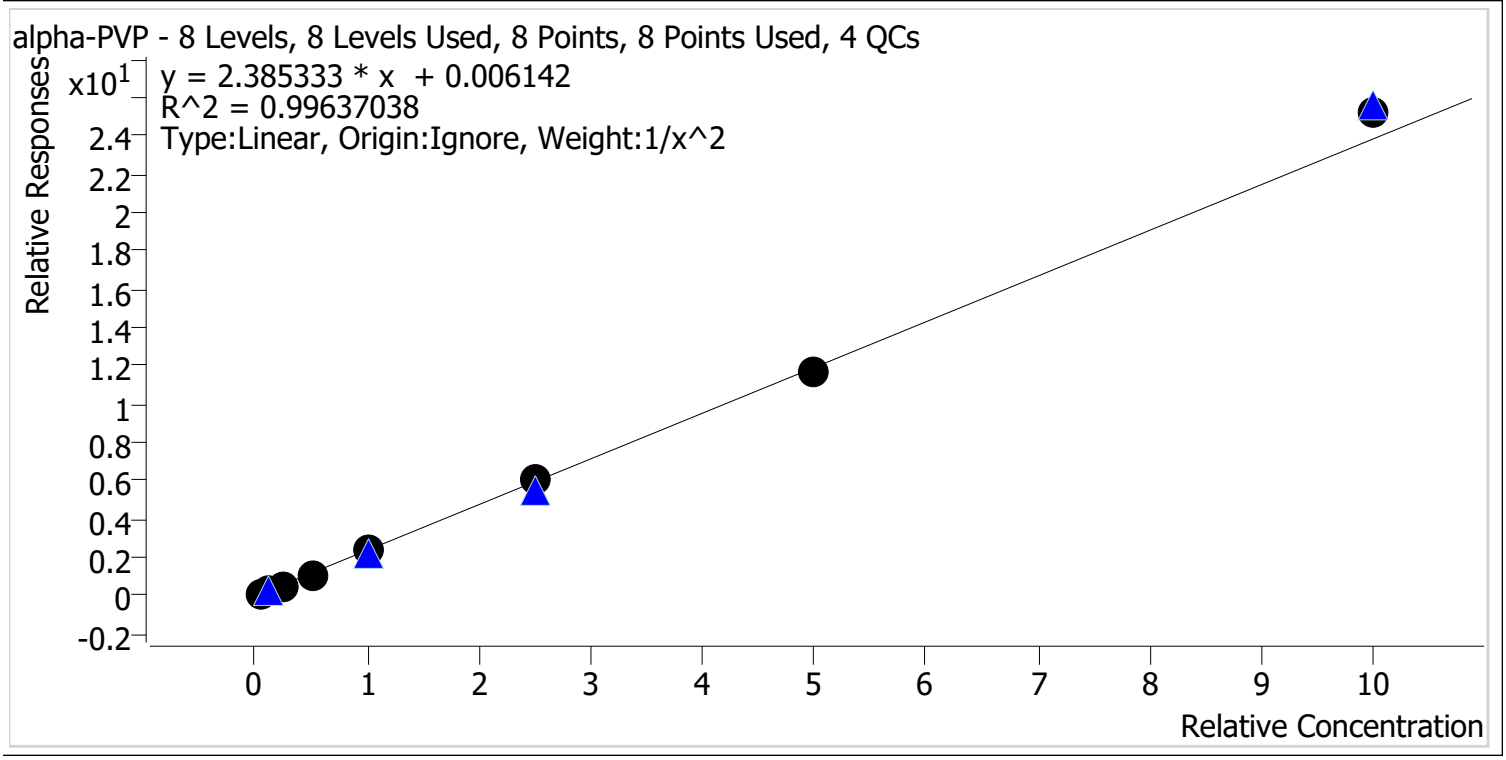
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	a-hydroxyalprazolam
Internal Standard	a-hydroxyalprazolam-D5



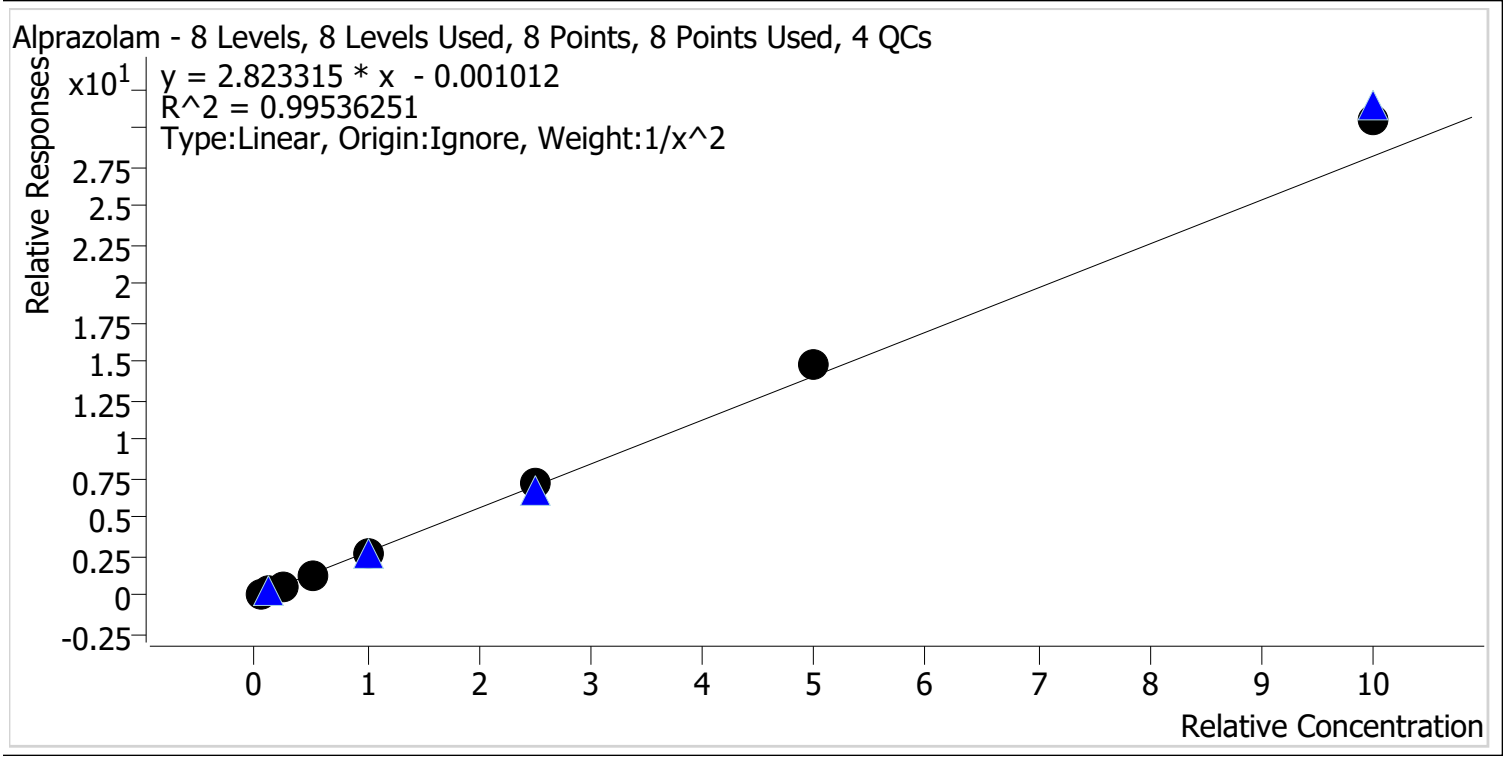
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.2
cal 2 mdq	2	✔	10.0	10.9	109.1
cal 3 mdq	3	✔	25.0	24.2	96.7
cal 4 mdq	4	✔	50.0	49.4	98.8
cal 5 mdq	5	✔	100.0	100.5	100.5
cal 6 mdq	6	✔	250.0	254.7	101.9
cal 7 mdq	7	✔	500.0	502.3	100.5
cal 8 mdq	8	✔	1000.0	963.8	96.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	alpha-PVP
Internal Standard	alpha-PVP-d8



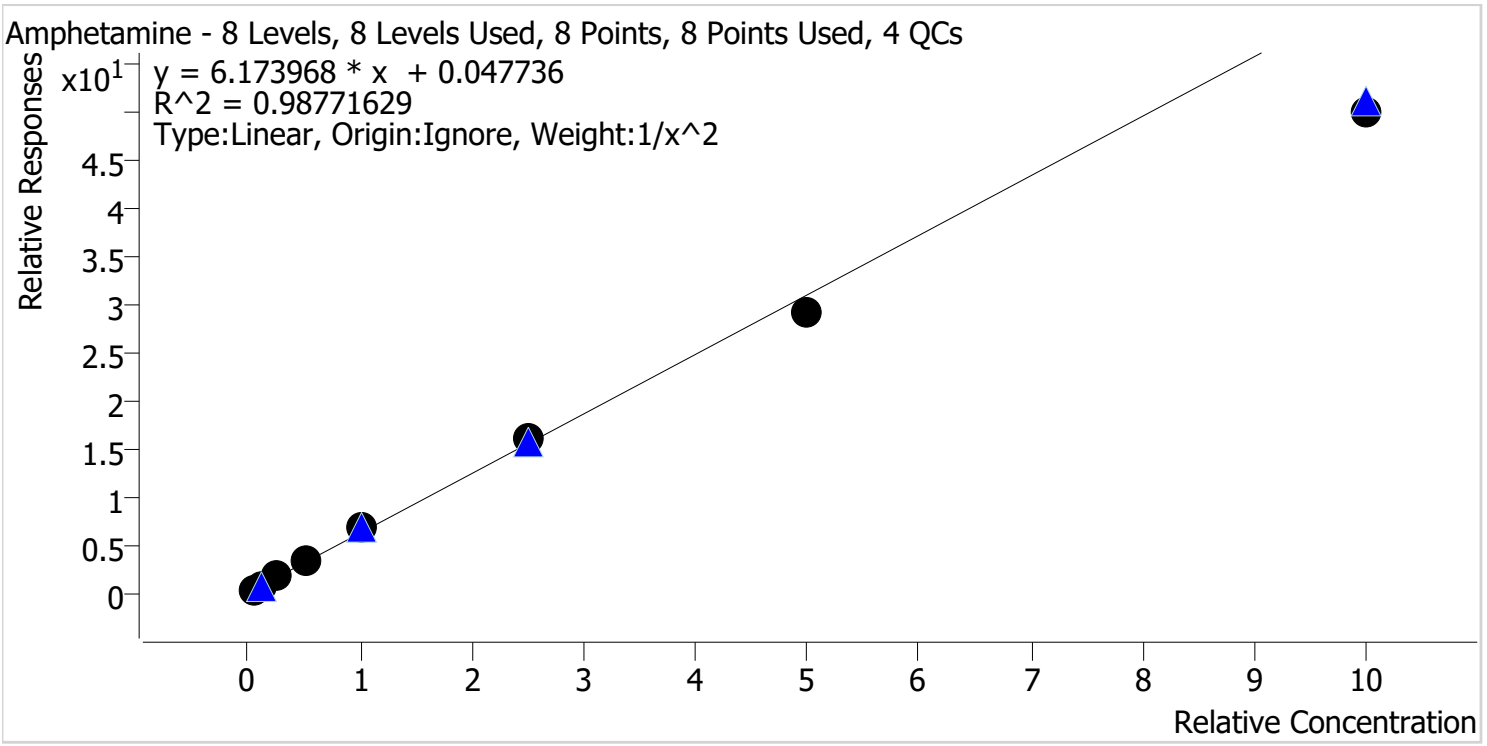
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.0
cal 2 mdq	2	✔	10.0	10.4	104.4
cal 3 mdq	3	✔	25.0	22.8	91.0
cal 4 mdq	4	✔	50.0	47.1	94.2
cal 5 mdq	5	✔	100.0	102.6	102.6
cal 6 mdq	6	✔	250.0	259.0	103.6
cal 7 mdq	7	✔	500.0	491.6	98.3
cal 8 mdq	8	✔	1000.0	1059.4	105.9

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Alprazolam
Internal Standard	Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.2	104.0
cal 2 mdq	2	✔	10.0	9.7	96.8
cal 3 mdq	3	✔	25.0	22.6	90.6
cal 4 mdq	4	✔	50.0	47.2	94.4
cal 5 mdq	5	✔	100.0	98.4	98.4
cal 6 mdq	6	✔	250.0	257.2	102.9
cal 7 mdq	7	✔	500.0	523.9	104.8
cal 8 mdq	8	✔	1000.0	1081.4	108.1

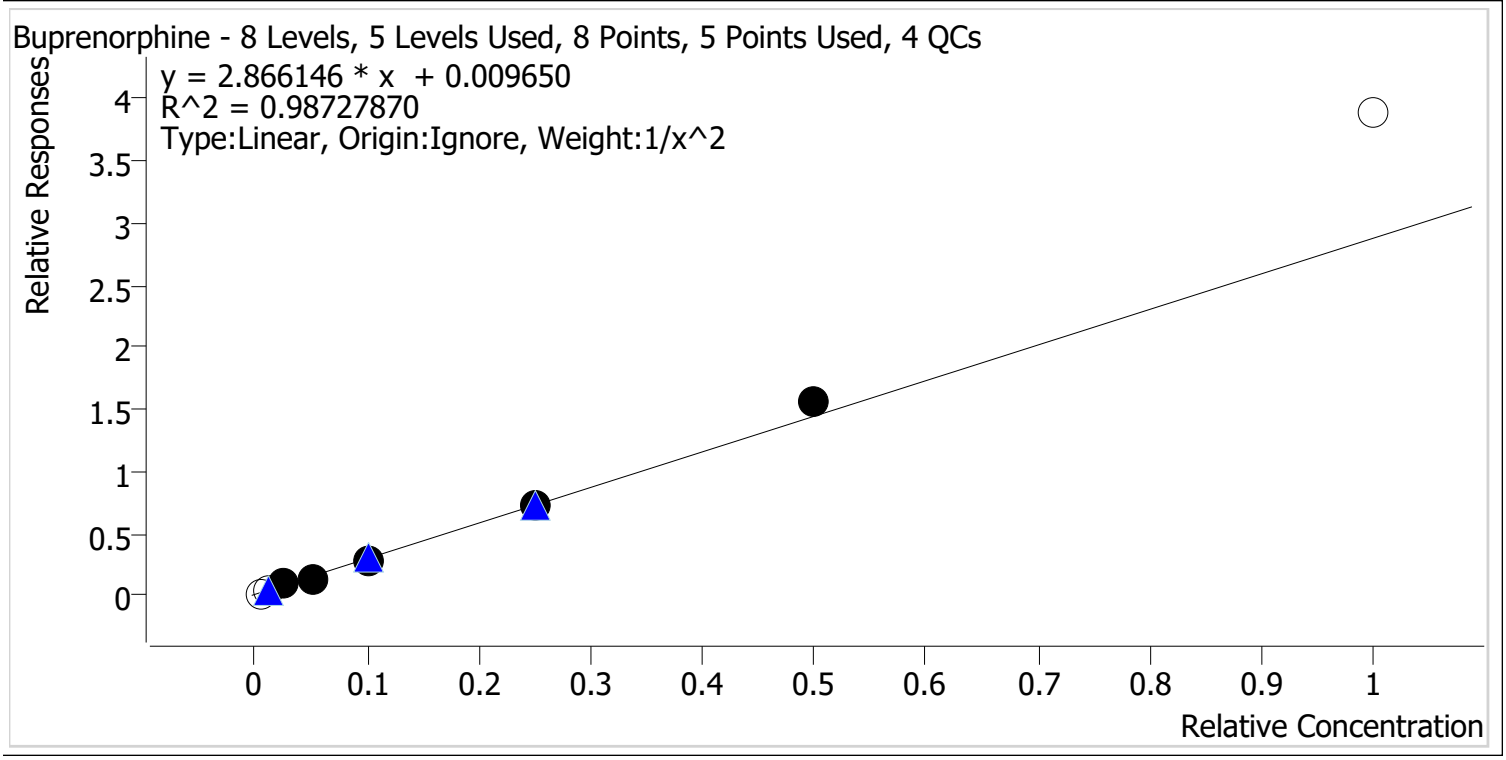
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Amphetamine
Internal Standard	Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.8
cal 2 mdq	2	✔	10.0	10.4	104.4
cal 3 mdq	3	✔	25.0	25.7	102.9
cal 4 mdq	4	✔	50.0	55.6	111.3
cal 5 mdq	5	✔	100.0	107.9	107.9
cal 6 mdq	6	✔	250.0	257.5	103.0
cal 7 mdq	7	✔	500.0	470.9	94.2
cal 8 mdq	8	✔	1000.0	805.5	80.6

Compound Calibration Report

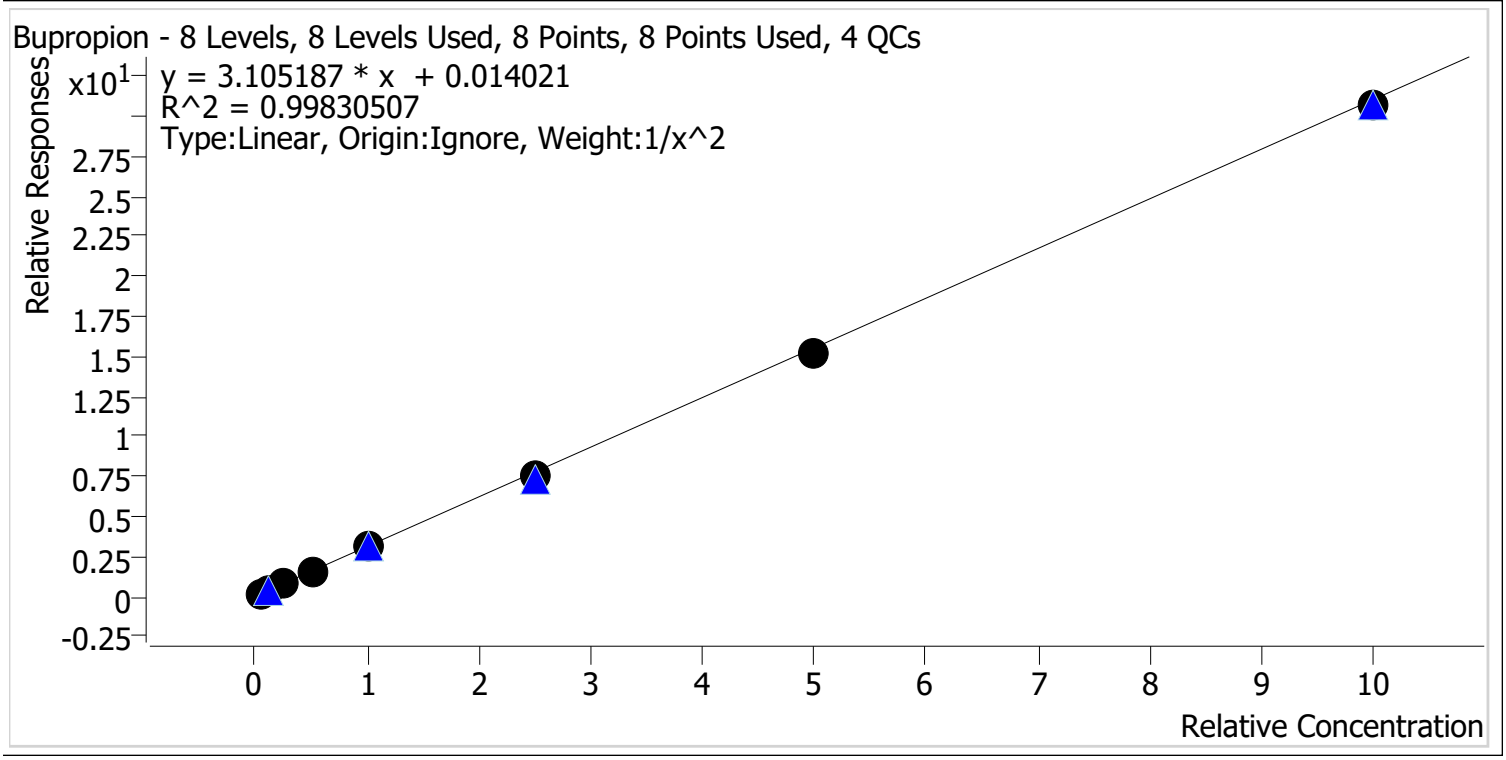
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Buprenorphine
Internal Standard	Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✗	0.5	0.1	28.0
cal 2 mdq	2	✗	1.0	0.7	72.8
cal 3 mdq	3	✔	2.5	2.7	106.8
cal 4 mdq	4	✔	5.0	4.3	86.3
cal 5 mdq	5	✔	10.0	9.8	98.1
cal 6 mdq	6	✔	25.0	25.4	101.4
cal 7 mdq	7	✔	50.0	53.7	107.3
cal 8 mdq	8	✗	100.0	135.4	135.4

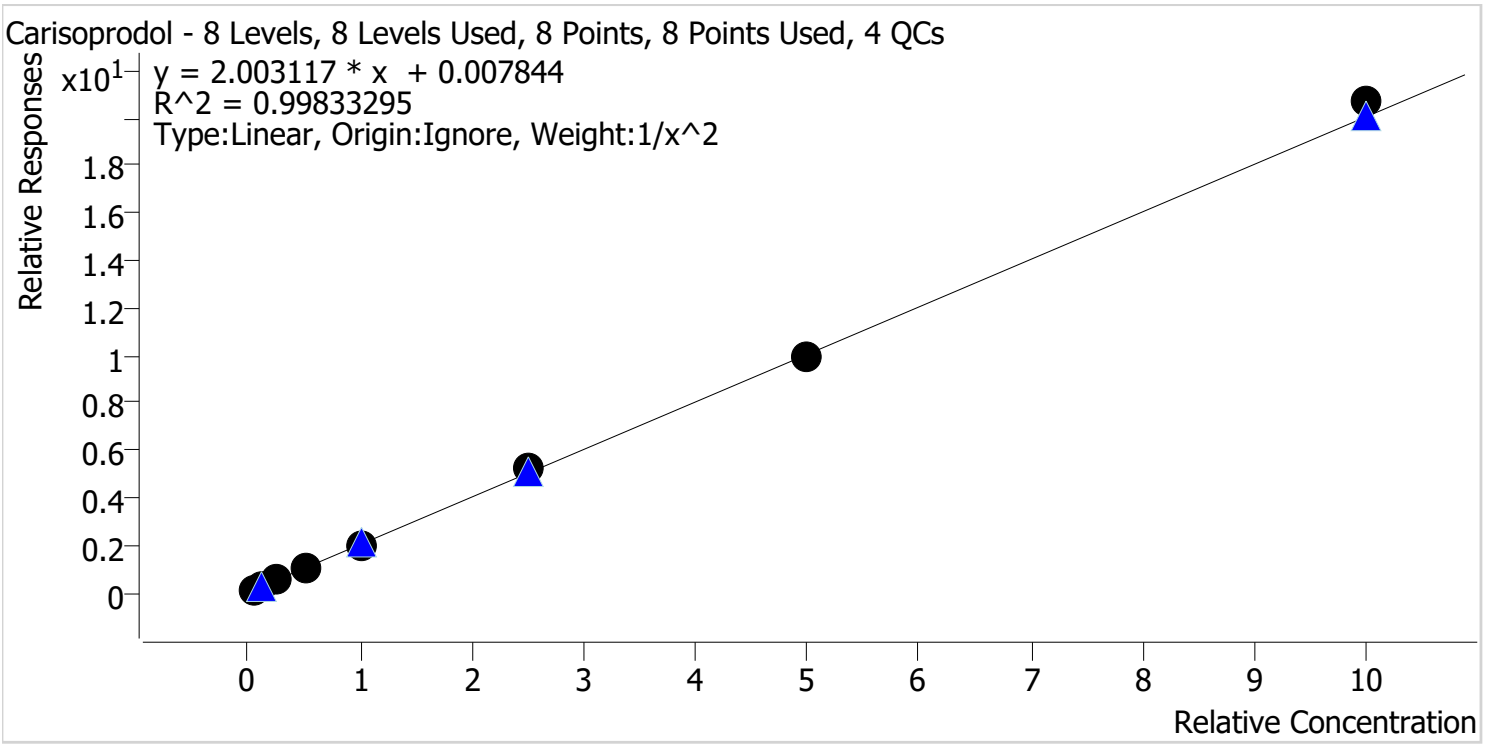
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Bupropion
Internal Standard	Bupropion-D9



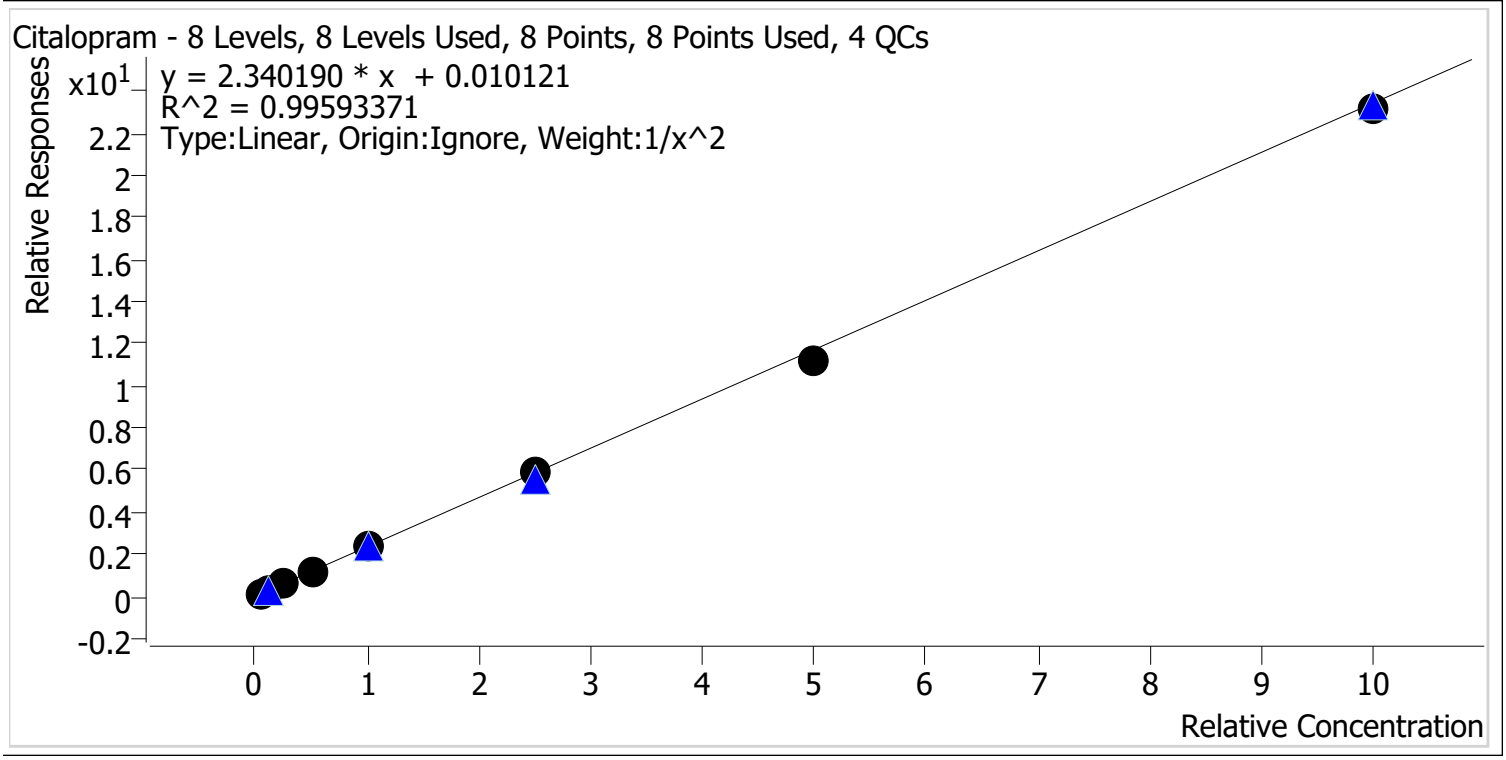
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.9
cal 2 mdq	2	✔	10.0	10.8	107.8
cal 3 mdq	3	✔	25.0	25.3	101.3
cal 4 mdq	4	✔	50.0	50.2	100.4
cal 5 mdq	5	✔	100.0	100.1	100.1
cal 6 mdq	6	✔	250.0	246.2	98.5
cal 7 mdq	7	✔	500.0	487.3	97.5
cal 8 mdq	8	✔	1000.0	986.5	98.7

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Carisoprodol
Internal Standard	Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.1
cal 2 mdq	2	✔	10.0	10.6	106.0
cal 3 mdq	3	✔	25.0	24.1	96.3
cal 4 mdq	4	✔	50.0	48.6	97.2
cal 5 mdq	5	✔	100.0	97.8	97.8
cal 6 mdq	6	✔	250.0	257.6	103.0
cal 7 mdq	7	✔	500.0	492.4	98.5
cal 8 mdq	8	✔	1000.0	1032.0	103.2

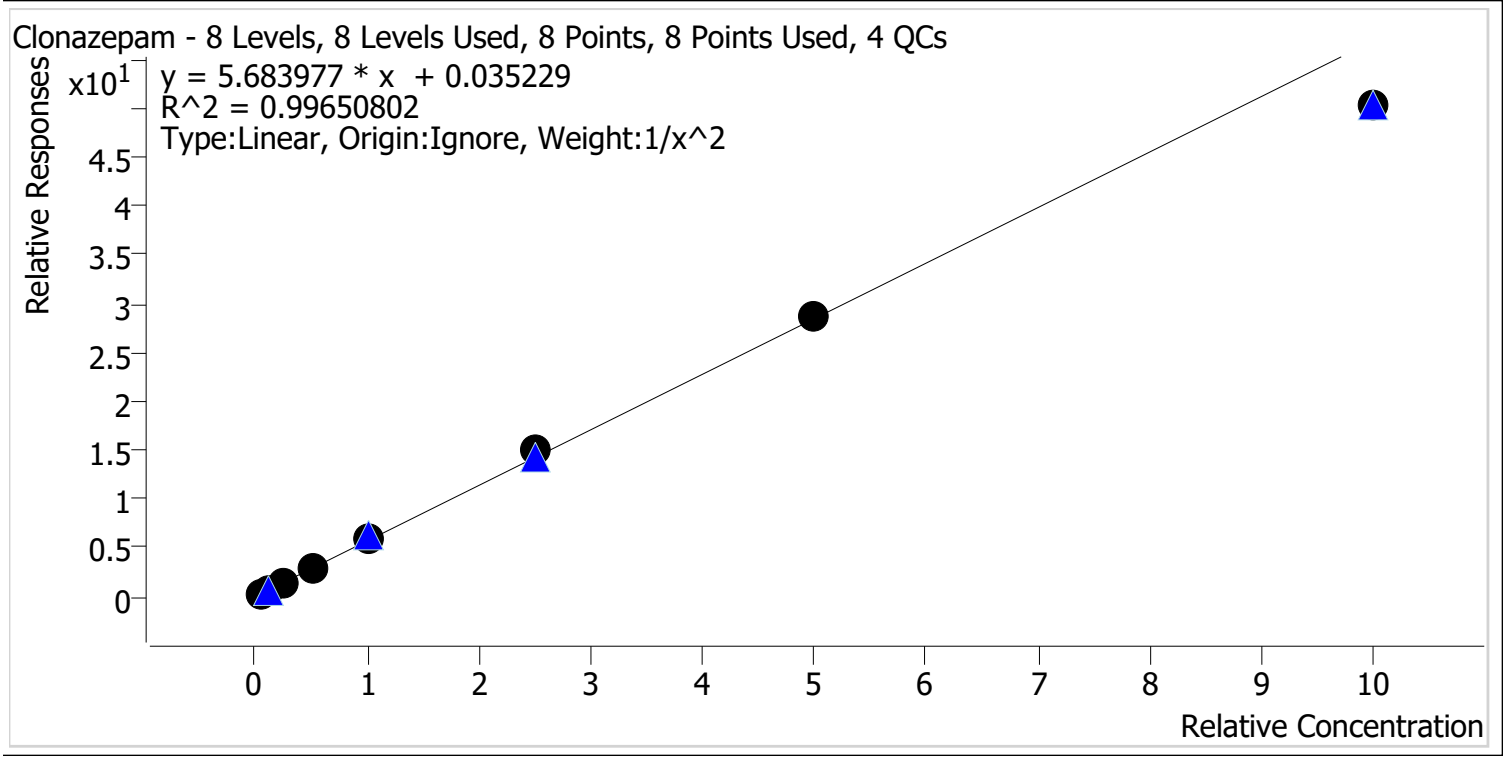
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Citalopram
Internal Standard	Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	94.2
cal 2 mdq	2	✔	10.0	11.1	110.9
cal 3 mdq	3	✔	25.0	26.0	104.0
cal 4 mdq	4	✔	50.0	47.7	95.4
cal 5 mdq	5	✔	100.0	100.9	100.9
cal 6 mdq	6	✔	250.0	251.2	100.5
cal 7 mdq	7	✔	500.0	475.6	95.1
cal 8 mdq	8	✔	1000.0	989.7	99.0

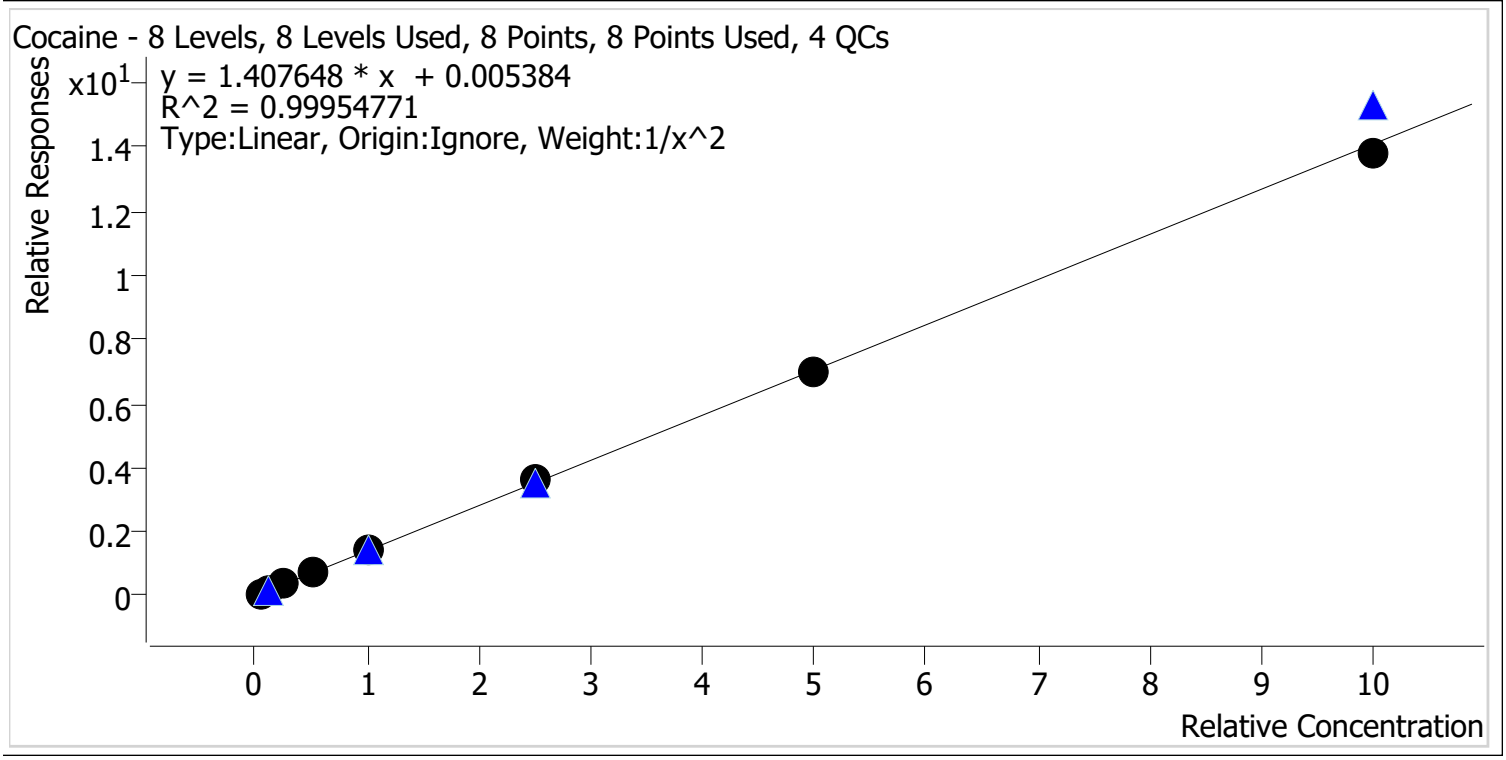
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Clonazepam
Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.3
cal 2 mdq	2	✔	10.0	9.9	99.3
cal 3 mdq	3	✔	25.0	25.7	102.8
cal 4 mdq	4	✔	50.0	51.8	103.7
cal 5 mdq	5	✔	100.0	102.0	102.0
cal 6 mdq	6	✔	250.0	260.9	104.3
cal 7 mdq	7	✔	500.0	502.4	100.5
cal 8 mdq	8	✔	1000.0	881.7	88.2

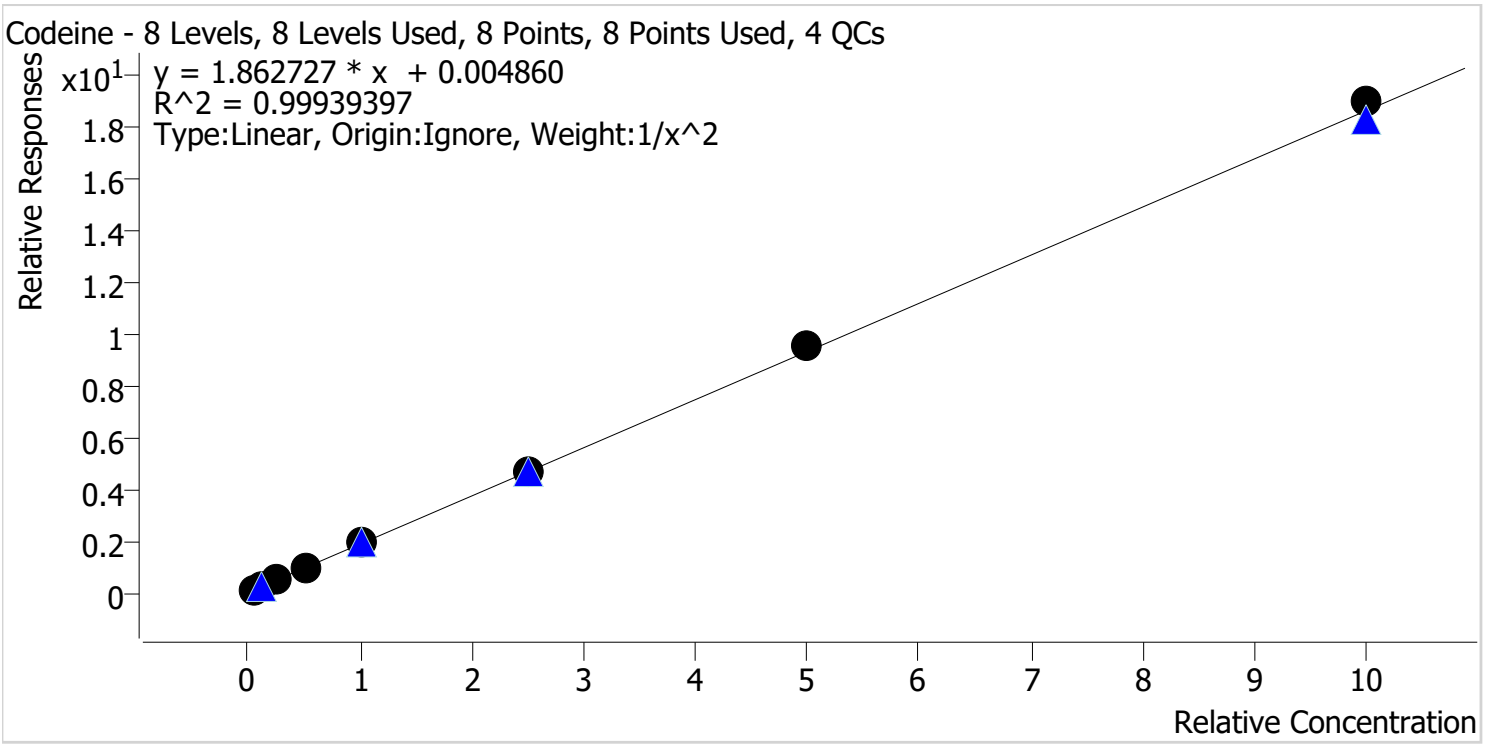
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Cocaine
Internal Standard	Cocaine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.1
cal 2 mdq	2	✔	10.0	10.2	102.4
cal 3 mdq	3	✔	25.0	24.6	98.4
cal 4 mdq	4	✔	50.0	49.5	99.0
cal 5 mdq	5	✔	100.0	101.0	101.0
cal 6 mdq	6	✔	250.0	257.2	102.9
cal 7 mdq	7	✔	500.0	494.2	98.8
cal 8 mdq	8	✔	1000.0	982.7	98.3

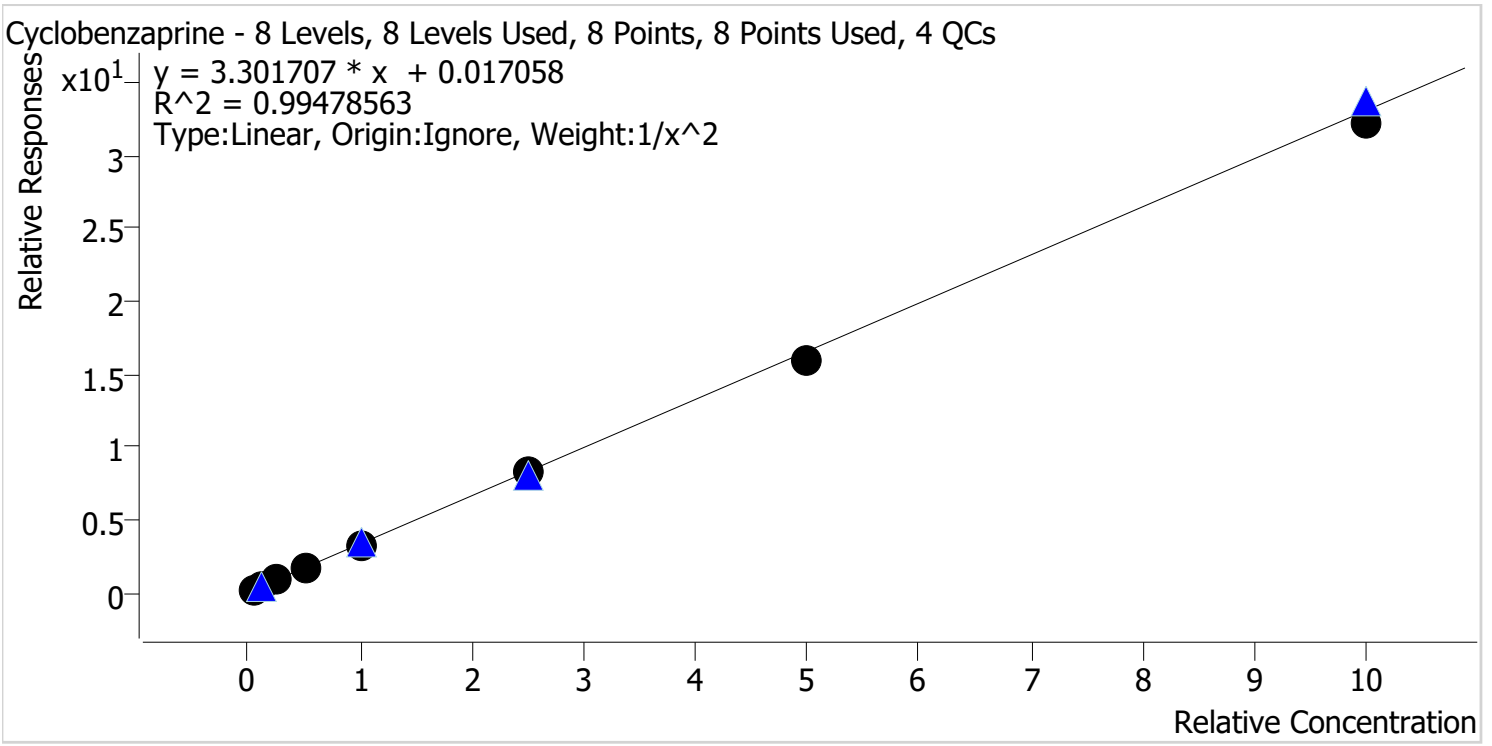
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Codeine
Internal Standard	Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.3
cal 2 mdq	2	✔	10.0	10.1	101.2
cal 3 mdq	3	✔	25.0	24.1	96.3
cal 4 mdq	4	✔	50.0	48.6	97.3
cal 5 mdq	5	✔	100.0	101.5	101.5
cal 6 mdq	6	✔	250.0	249.3	99.7
cal 7 mdq	7	✔	500.0	508.9	101.8
cal 8 mdq	8	✔	1000.0	1019.1	101.9

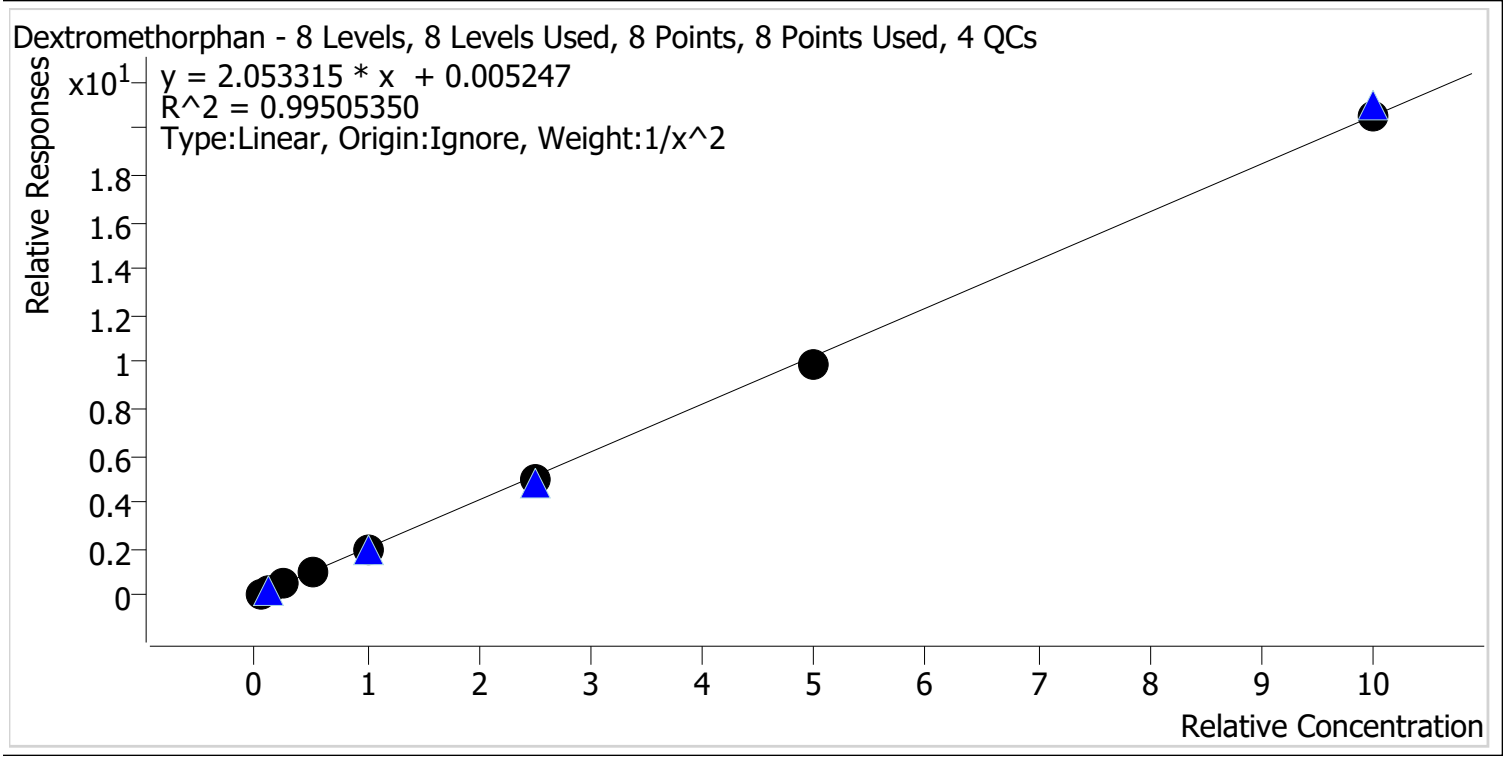
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Cyclobenzaprine
Internal Standard	Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.8
cal 2 mdq	2	✔	10.0	11.3	113.1
cal 3 mdq	3	✔	25.0	26.1	104.5
cal 4 mdq	4	✔	50.0	49.9	99.8
cal 5 mdq	5	✔	100.0	97.5	97.5
cal 6 mdq	6	✔	250.0	248.6	99.4
cal 7 mdq	7	✔	500.0	478.3	95.7
cal 8 mdq	8	✔	1000.0	971.9	97.2

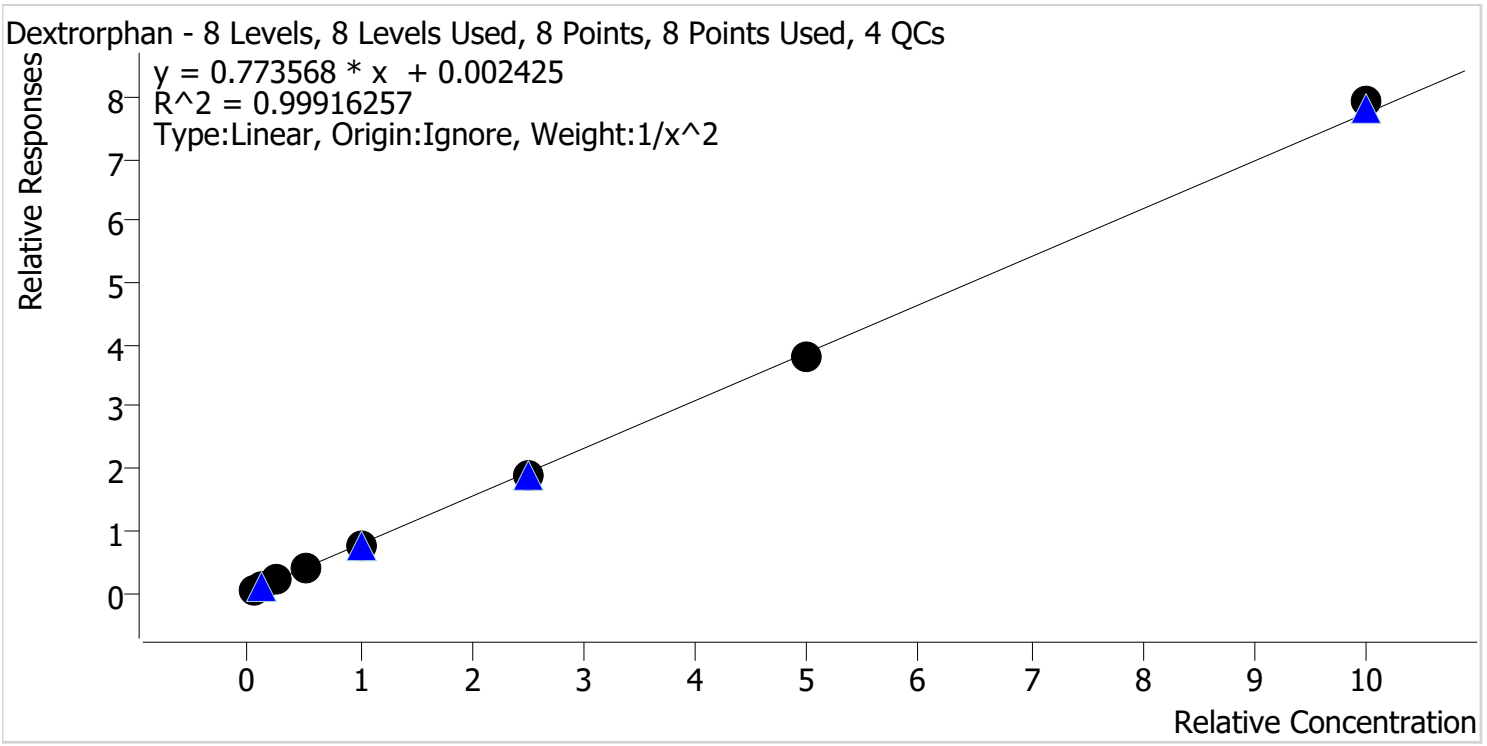
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Dextromethorphan
Internal Standard	Dextromethorphan-D3



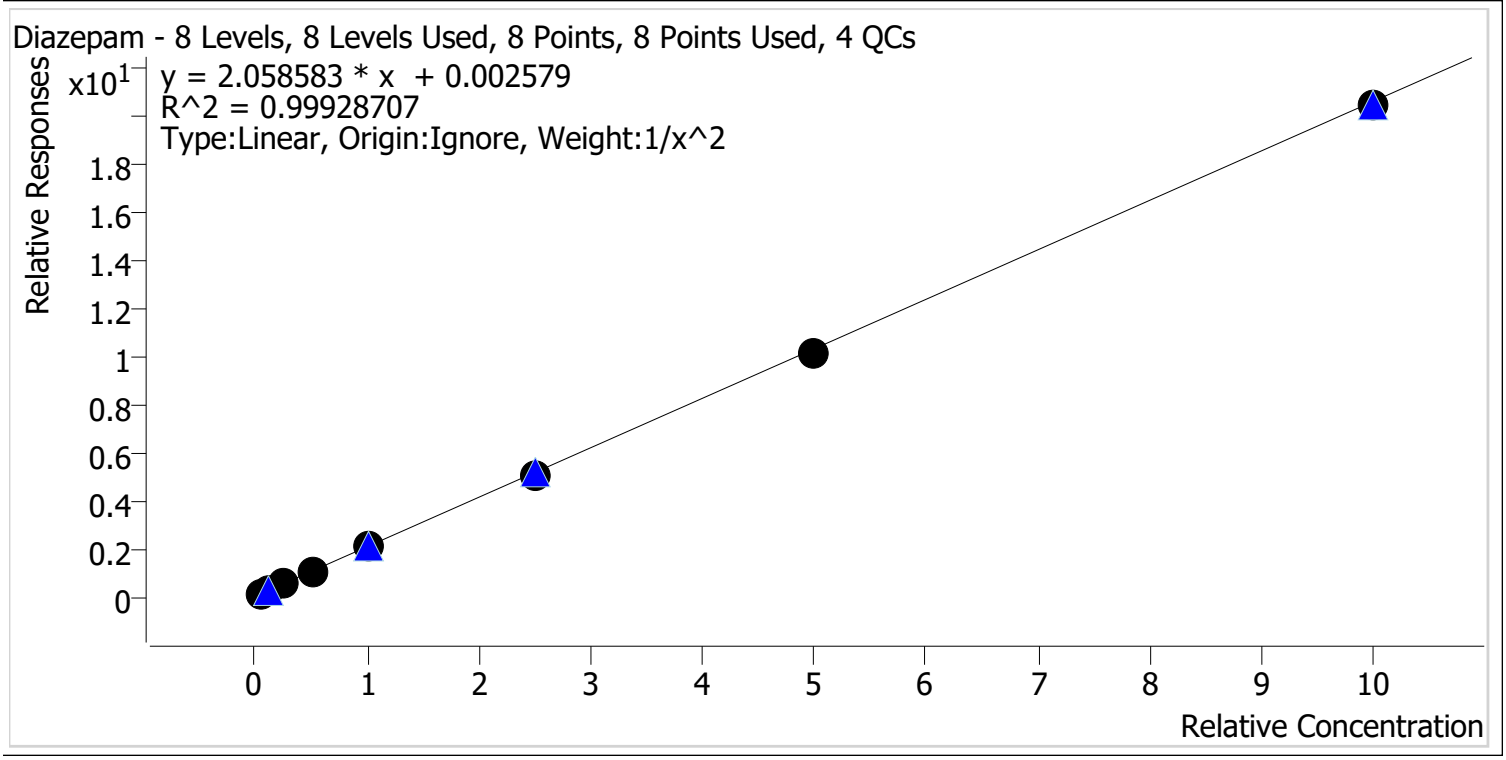
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	93.2
cal 2 mdq	2	✔	10.0	11.3	113.5
cal 3 mdq	3	✔	25.0	25.6	102.5
cal 4 mdq	4	✔	50.0	48.3	96.6
cal 5 mdq	5	✔	100.0	99.5	99.5
cal 6 mdq	6	✔	250.0	245.9	98.4
cal 7 mdq	7	✔	500.0	482.1	96.4
cal 8 mdq	8	✔	1000.0	999.7	100.0

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Dextrorphan
Internal Standard	Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.1
cal 2 mdq	2	✔	10.0	10.4	104.4
cal 3 mdq	3	✔	25.0	24.5	97.9
cal 4 mdq	4	✔	50.0	50.9	101.8
cal 5 mdq	5	✔	100.0	98.1	98.1
cal 6 mdq	6	✔	250.0	246.6	98.6
cal 7 mdq	7	✔	500.0	492.8	98.6
cal 8 mdq	8	✔	1000.0	1024.1	102.4

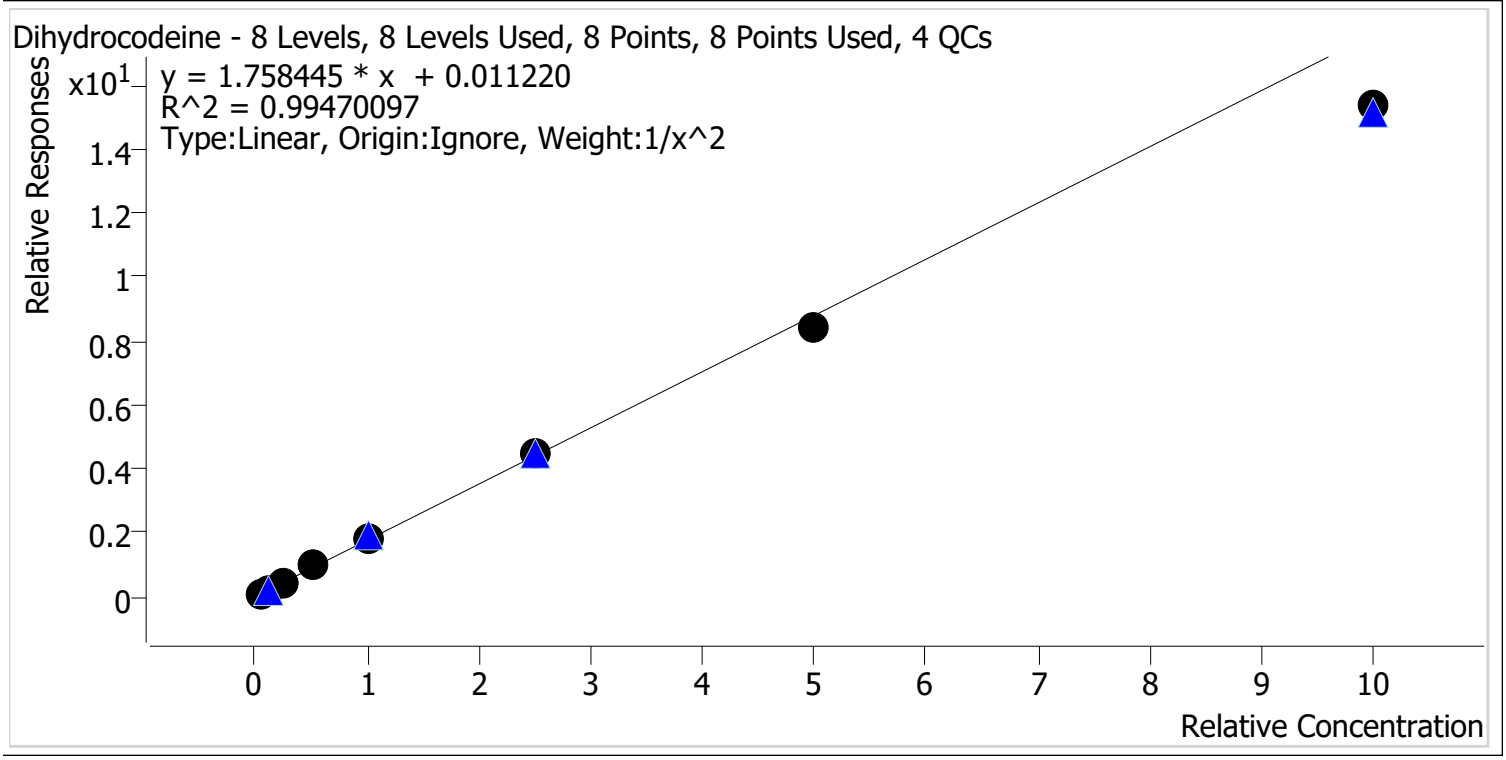
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Diazepam
Internal Standard	Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.2
cal 2 mdq	2	✔	10.0	10.3	102.7
cal 3 mdq	3	✔	25.0	25.2	100.7
cal 4 mdq	4	✔	50.0	52.0	103.9
cal 5 mdq	5	✔	100.0	99.4	99.4
cal 6 mdq	6	✔	250.0	242.9	97.1
cal 7 mdq	7	✔	500.0	493.7	98.7
cal 8 mdq	8	✔	1000.0	991.3	99.1

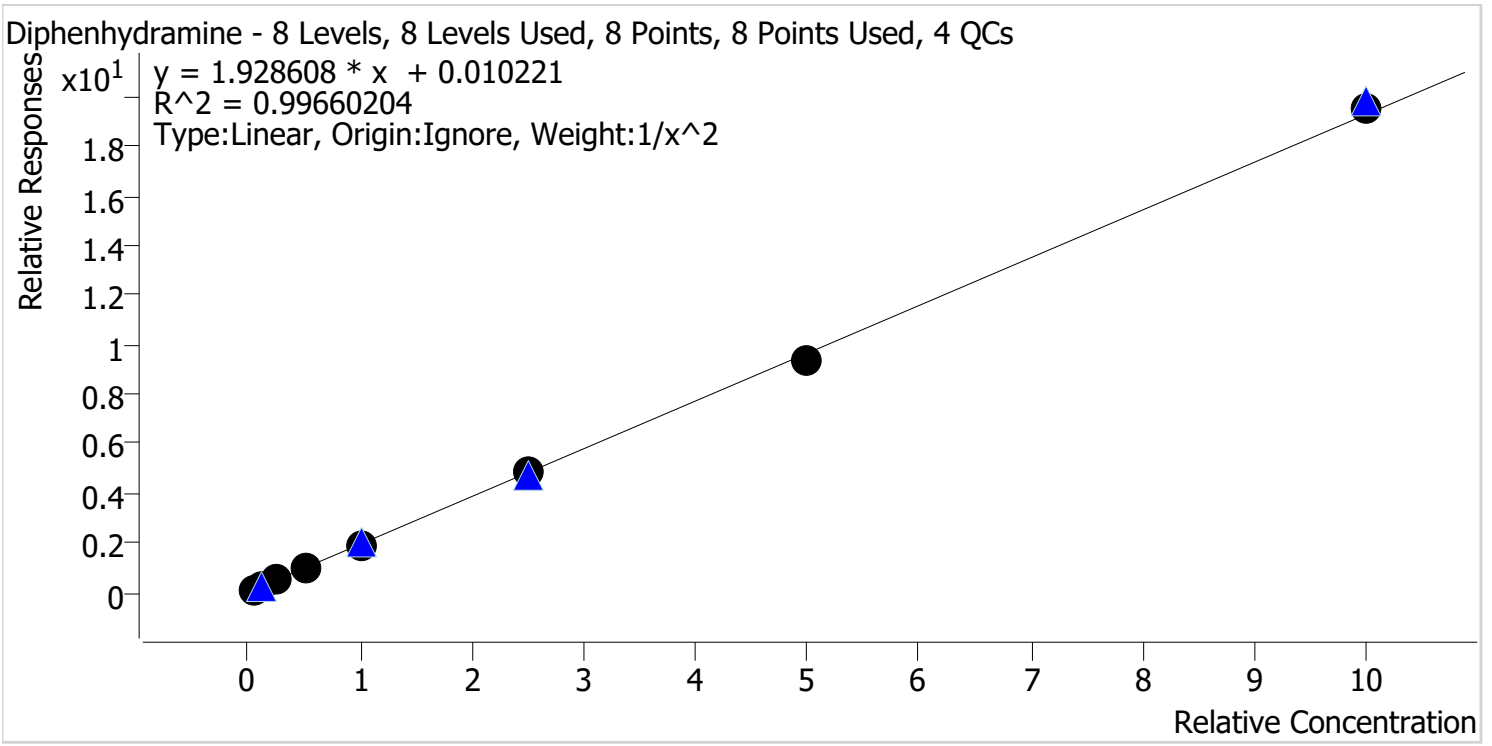
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Dihydrocodeine
Internal Standard	Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.2
cal 2 mdq	2	✔	10.0	10.5	104.7
cal 3 mdq	3	✔	25.0	25.8	103.3
cal 4 mdq	4	✔	50.0	53.2	106.4
cal 5 mdq	5	✔	100.0	103.1	103.1
cal 6 mdq	6	✔	250.0	256.7	102.7
cal 7 mdq	7	✔	500.0	480.9	96.2
cal 8 mdq	8	✔	1000.0	873.3	87.3

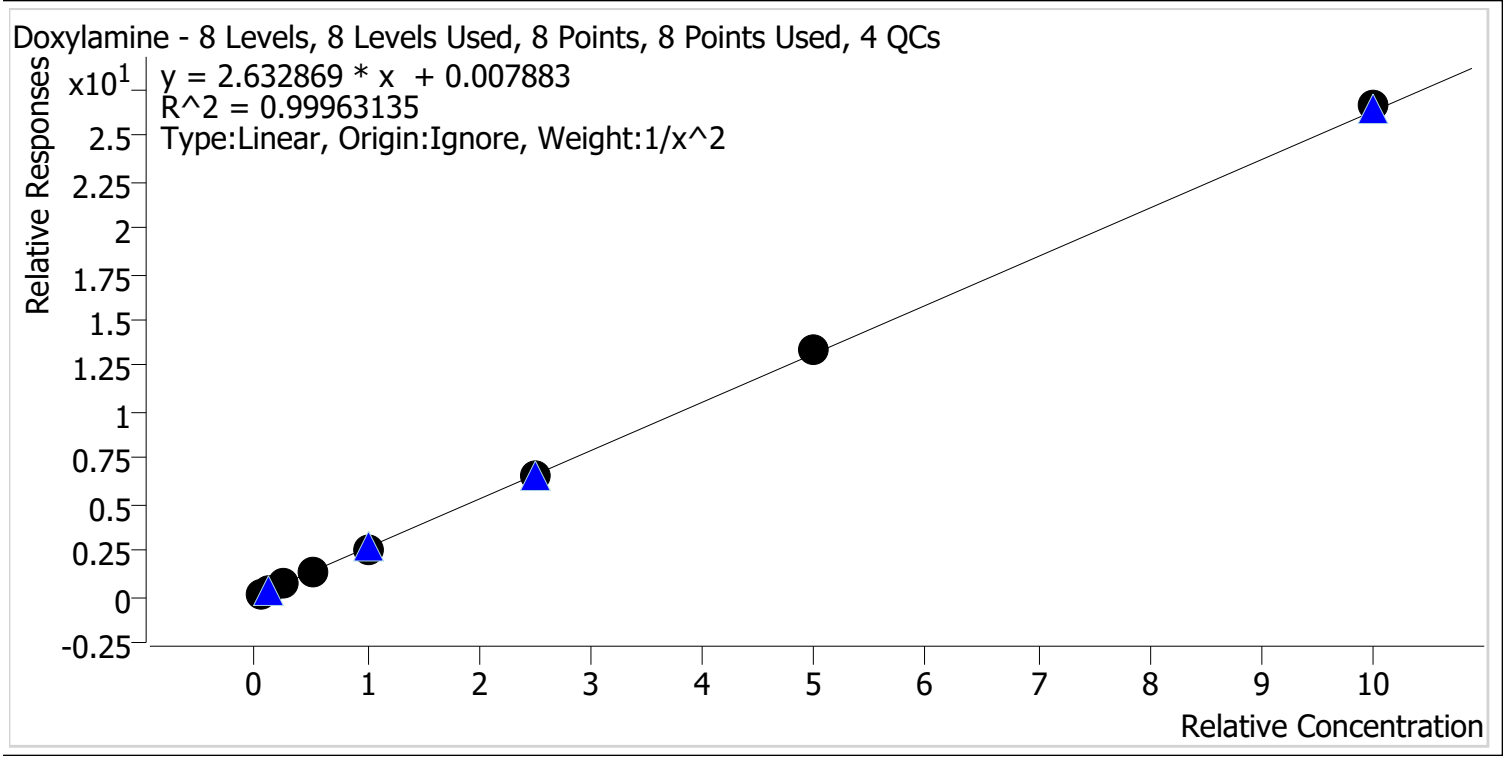
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Diphenhydramine
Internal Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	94.7
cal 2 mdq	2	✔	10.0	11.2	111.5
cal 3 mdq	3	✔	25.0	24.8	99.3
cal 4 mdq	4	✔	50.0	49.3	98.6
cal 5 mdq	5	✔	100.0	97.2	97.2
cal 6 mdq	6	✔	250.0	249.5	99.8
cal 7 mdq	7	✔	500.0	487.0	97.4
cal 8 mdq	8	✔	1000.0	1014.9	101.5

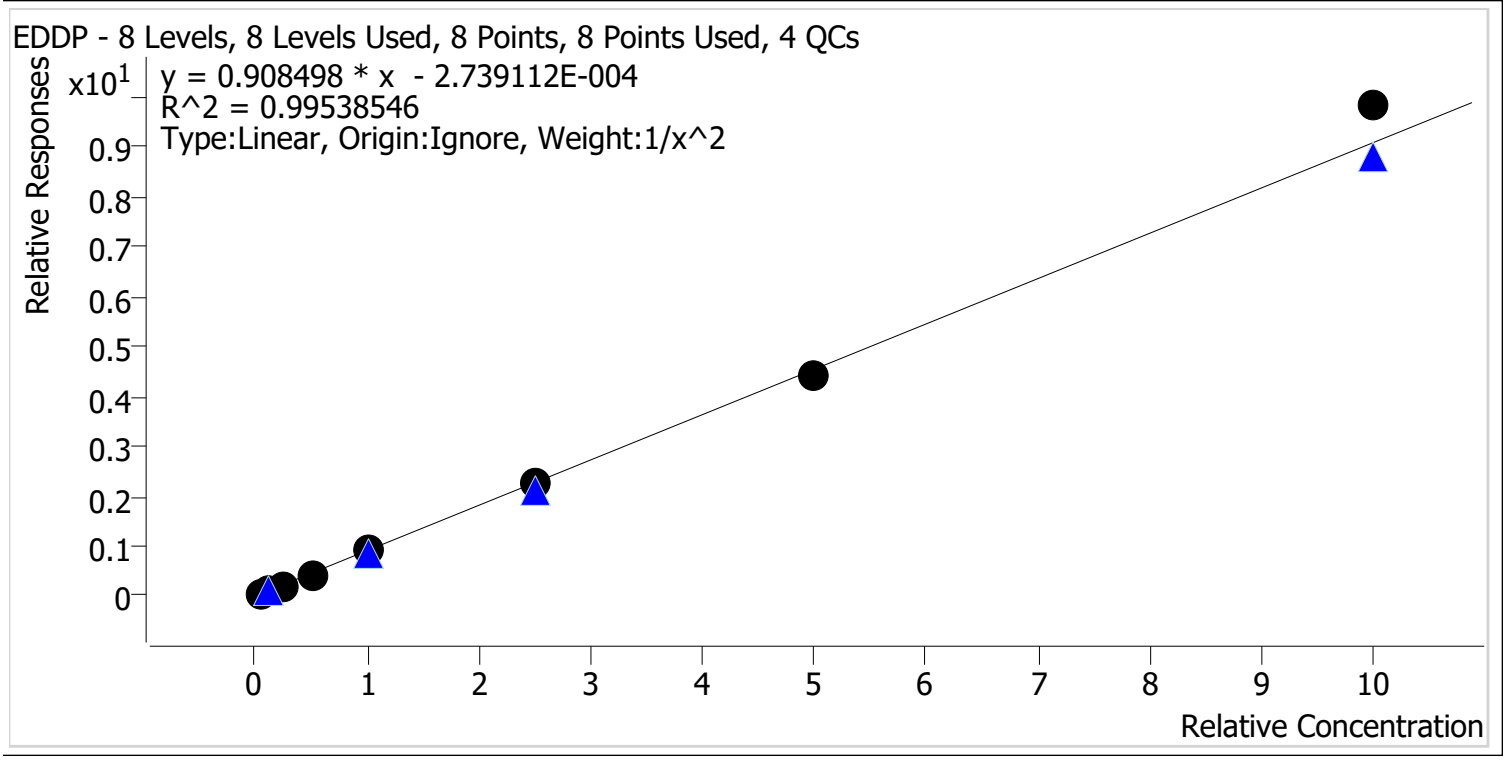
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Doxylamine
Internal Standard	Doxylamine-D5



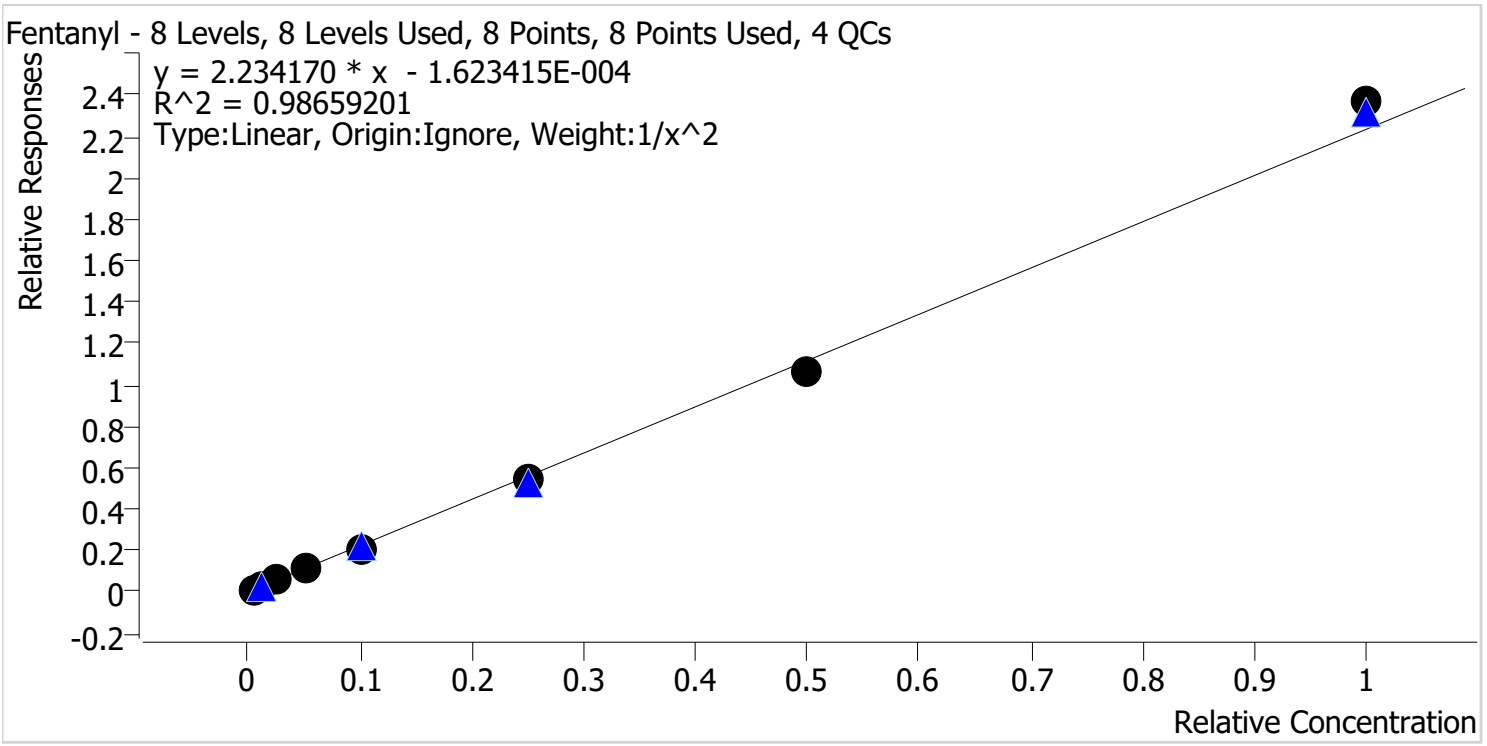
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.5
cal 2 mdq	2	✔	10.0	10.2	102.3
cal 3 mdq	3	✔	25.0	24.3	97.2
cal 4 mdq	4	✔	50.0	50.0	99.9
cal 5 mdq	5	✔	100.0	98.8	98.8
cal 6 mdq	6	✔	250.0	248.5	99.4
cal 7 mdq	7	✔	500.0	508.7	101.7
cal 8 mdq	8	✔	1000.0	1011.5	101.2

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	EDDP
Internal Standard	EDDP-D3



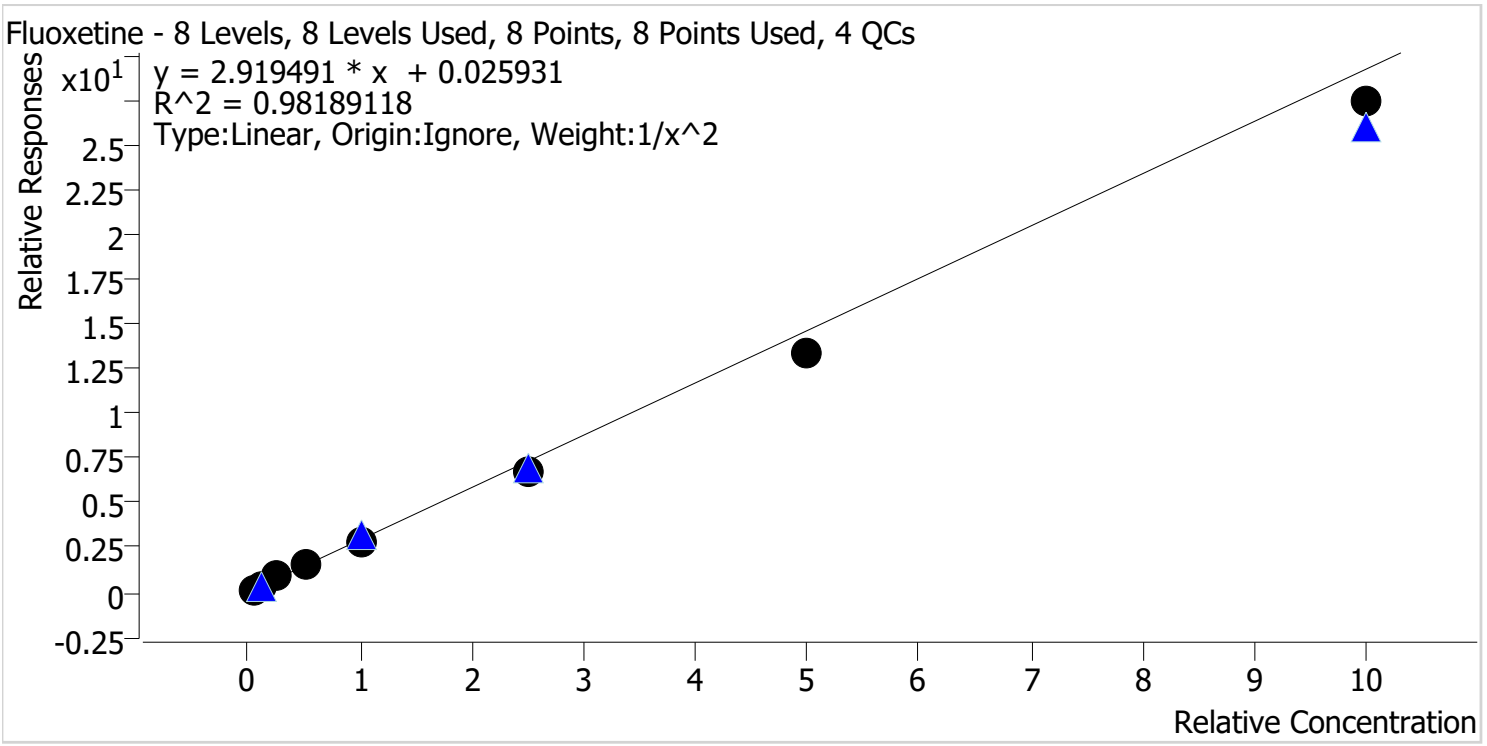
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.3
cal 2 mdq	2	✔	10.0	11.0	110.3
cal 3 mdq	3	✔	25.0	23.8	95.3
cal 4 mdq	4	✔	50.0	47.8	95.5
cal 5 mdq	5	✔	100.0	99.0	99.0
cal 6 mdq	6	✔	250.0	247.4	99.0
cal 7 mdq	7	✔	500.0	482.4	96.5
cal 8 mdq	8	✔	1000.0	1081.7	108.2

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl
Internal Standard	Fentanyl-D5



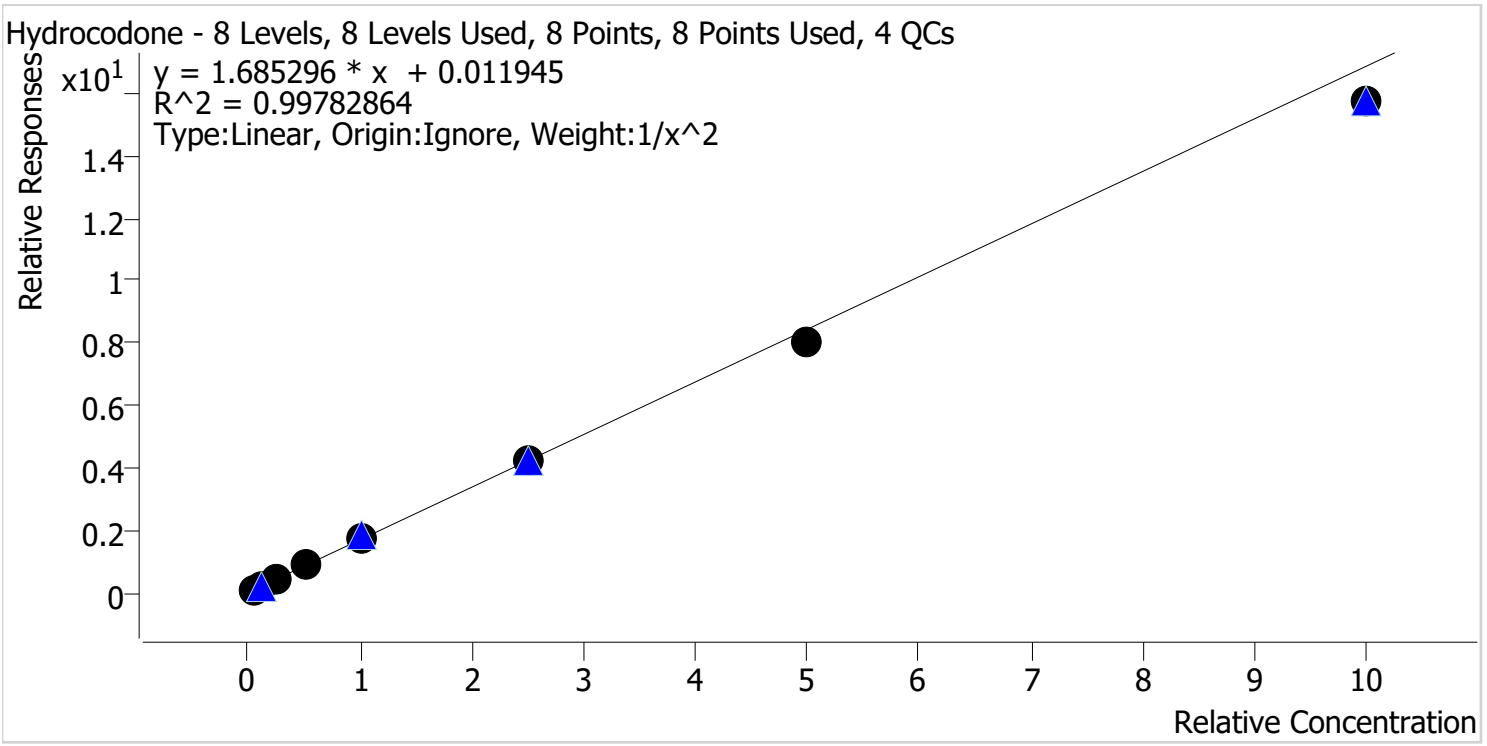
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.4	89.6
cal 2 mdq	2	✔	1.0	1.2	121.8
cal 3 mdq	3	✔	2.5	2.5	101.9
cal 4 mdq	4	✔	5.0	4.7	94.5
cal 5 mdq	5	✔	10.0	9.5	94.7
cal 6 mdq	6	✔	25.0	24.0	96.0
cal 7 mdq	7	✔	50.0	47.7	95.4
cal 8 mdq	8	✔	100.0	106.0	106.0

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Fluoxetine
Internal Standard	Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.4	87.5
cal 2 mdq	2	✔	10.0	11.9	118.5
cal 3 mdq	3	✔	25.0	29.1	116.2
cal 4 mdq	4	✔	50.0	52.3	104.7
cal 5 mdq	5	✔	100.0	95.0	95.0
cal 6 mdq	6	✔	250.0	233.4	93.4
cal 7 mdq	7	✔	500.0	454.7	90.9
cal 8 mdq	8	✔	1000.0	937.9	93.8

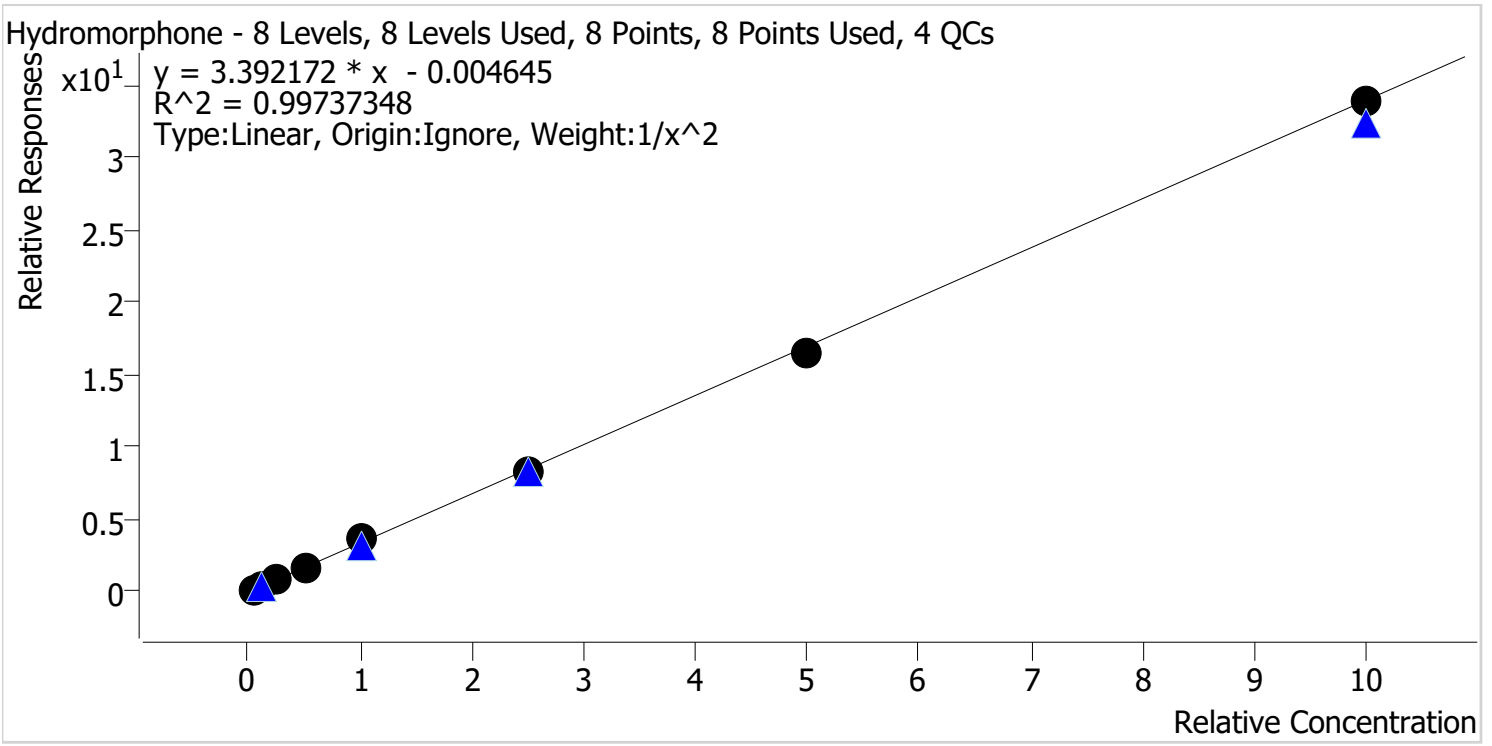
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Hydrocodone
Internal Standard	Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	97.7
cal 2 mdq	2	✔	10.0	10.3	102.7
cal 3 mdq	3	✔	25.0	25.5	102.1
cal 4 mdq	4	✔	50.0	51.7	103.5
cal 5 mdq	5	✔	100.0	104.3	104.3
cal 6 mdq	6	✔	250.0	252.5	101.0
cal 7 mdq	7	✔	500.0	477.2	95.4
cal 8 mdq	8	✔	1000.0	932.5	93.2

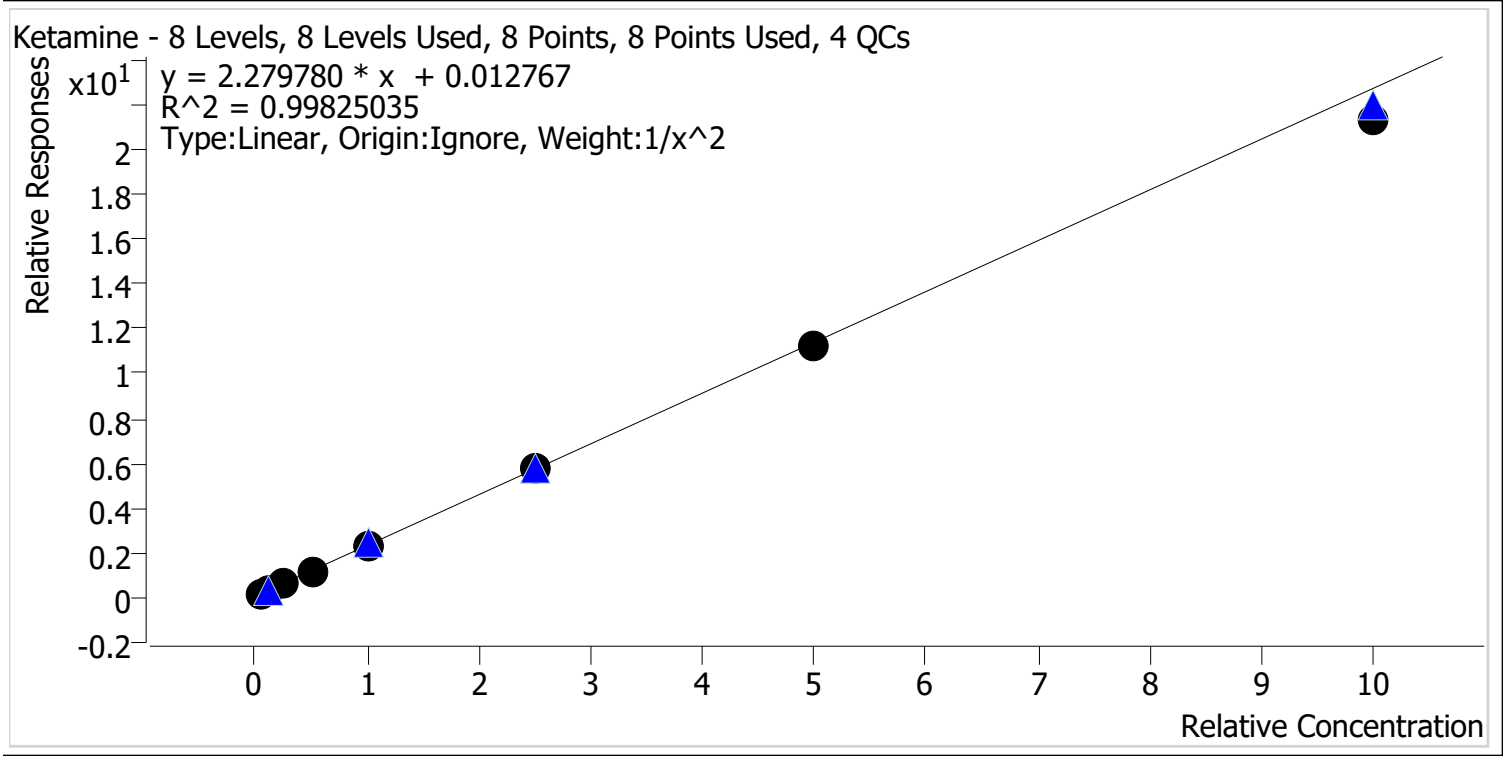
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Hydromorphone
Internal Standard	Hydromorphone-D6



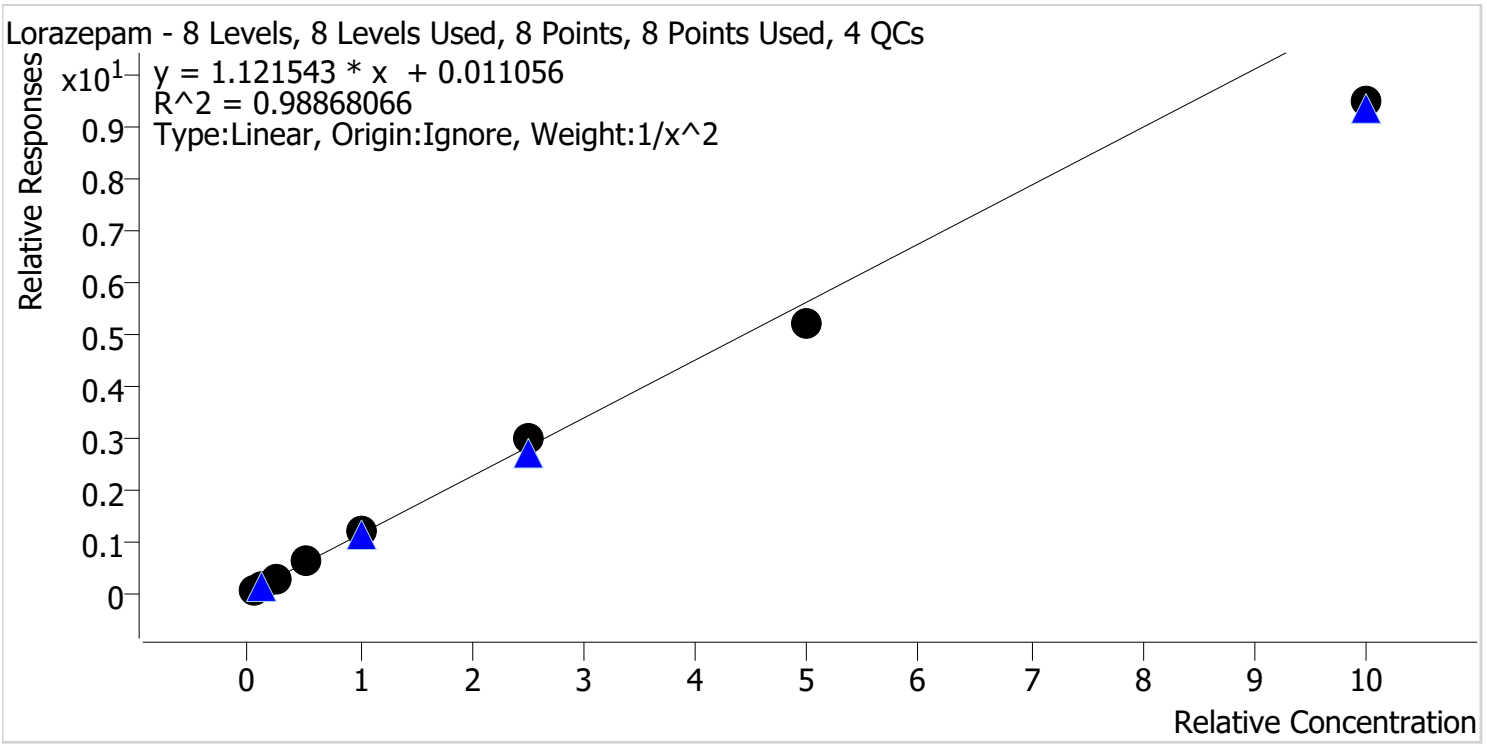
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.3
cal 2 mdq	2	✔	10.0	10.0	100.1
cal 3 mdq	3	✔	25.0	24.7	98.7
cal 4 mdq	4	✔	50.0	47.5	95.0
cal 5 mdq	5	✔	100.0	110.2	110.2
cal 6 mdq	6	✔	250.0	247.1	98.8
cal 7 mdq	7	✔	500.0	486.0	97.2
cal 8 mdq	8	✔	1000.0	997.2	99.7

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Ketamine
Internal Standard	Ketamine-D4



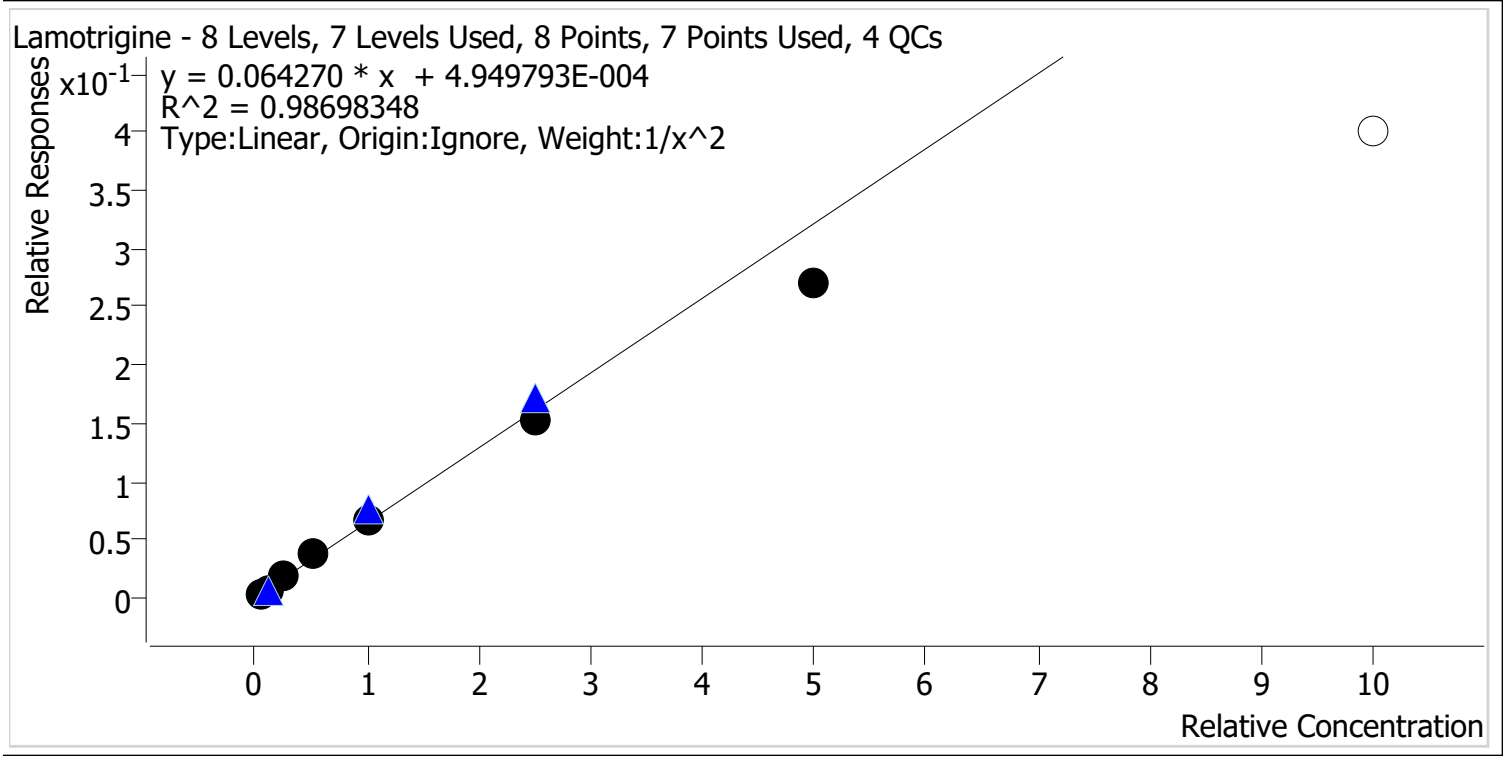
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.5
cal 2 mdq	2	✔	10.0	10.6	105.6
cal 3 mdq	3	✔	25.0	25.7	102.7
cal 4 mdq	4	✔	50.0	50.8	101.6
cal 5 mdq	5	✔	100.0	101.0	101.0
cal 6 mdq	6	✔	250.0	249.9	100.0
cal 7 mdq	7	✔	500.0	492.5	98.5
cal 8 mdq	8	✔	1000.0	940.8	94.1

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Lorazepam
Internal Standard	Oxazepam-D5



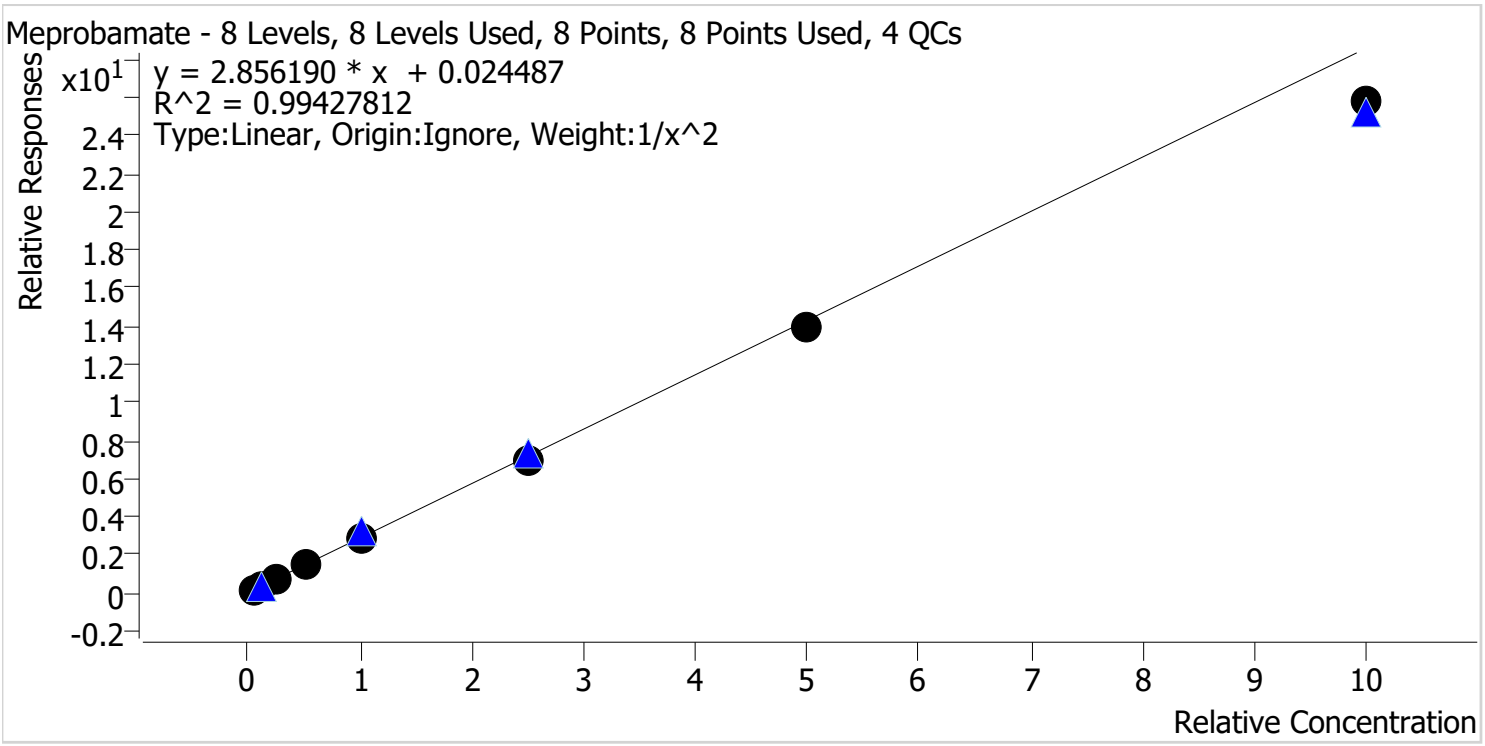
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.7
cal 2 mdq	2	✔	10.0	11.3	112.5
cal 3 mdq	3	✔	25.0	25.5	102.0
cal 4 mdq	4	✔	50.0	51.5	103.0
cal 5 mdq	5	✔	100.0	107.7	107.7
cal 6 mdq	6	✔	250.0	262.5	105.0
cal 7 mdq	7	✔	500.0	463.2	92.6
cal 8 mdq	8	✔	1000.0	844.4	84.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Lamotrigine
Internal Standard	Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.4
cal 2 mdq	2	✔	10.0	10.4	104.1
cal 3 mdq	3	✔	25.0	26.8	107.0
cal 4 mdq	4	✔	50.0	56.5	113.1
cal 5 mdq	5	✔	100.0	102.6	102.6
cal 6 mdq	6	✔	250.0	235.4	94.2
cal 7 mdq	7	✔	500.0	418.4	83.7
cal 8 mdq	8	✗	1000.0	624.2	62.4

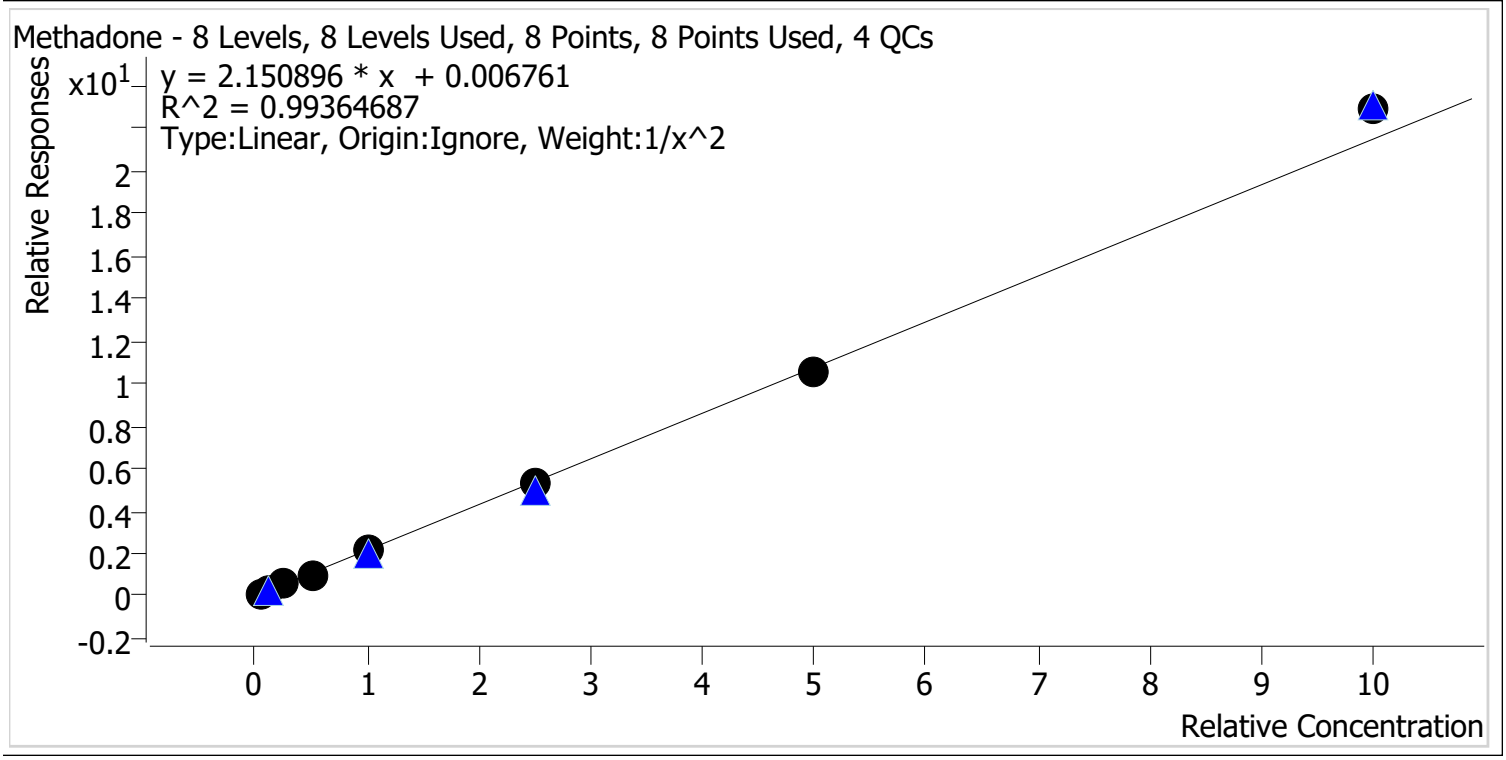
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Meprobamate
Internal Standard	Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	94.1
cal 2 mdq	2	✔	10.0	10.9	109.1
cal 3 mdq	3	✔	25.0	25.9	103.5
cal 4 mdq	4	✔	50.0	54.0	108.0
cal 5 mdq	5	✔	100.0	100.2	100.2
cal 6 mdq	6	✔	250.0	242.7	97.1
cal 7 mdq	7	✔	500.0	489.3	97.9
cal 8 mdq	8	✔	1000.0	901.9	90.2

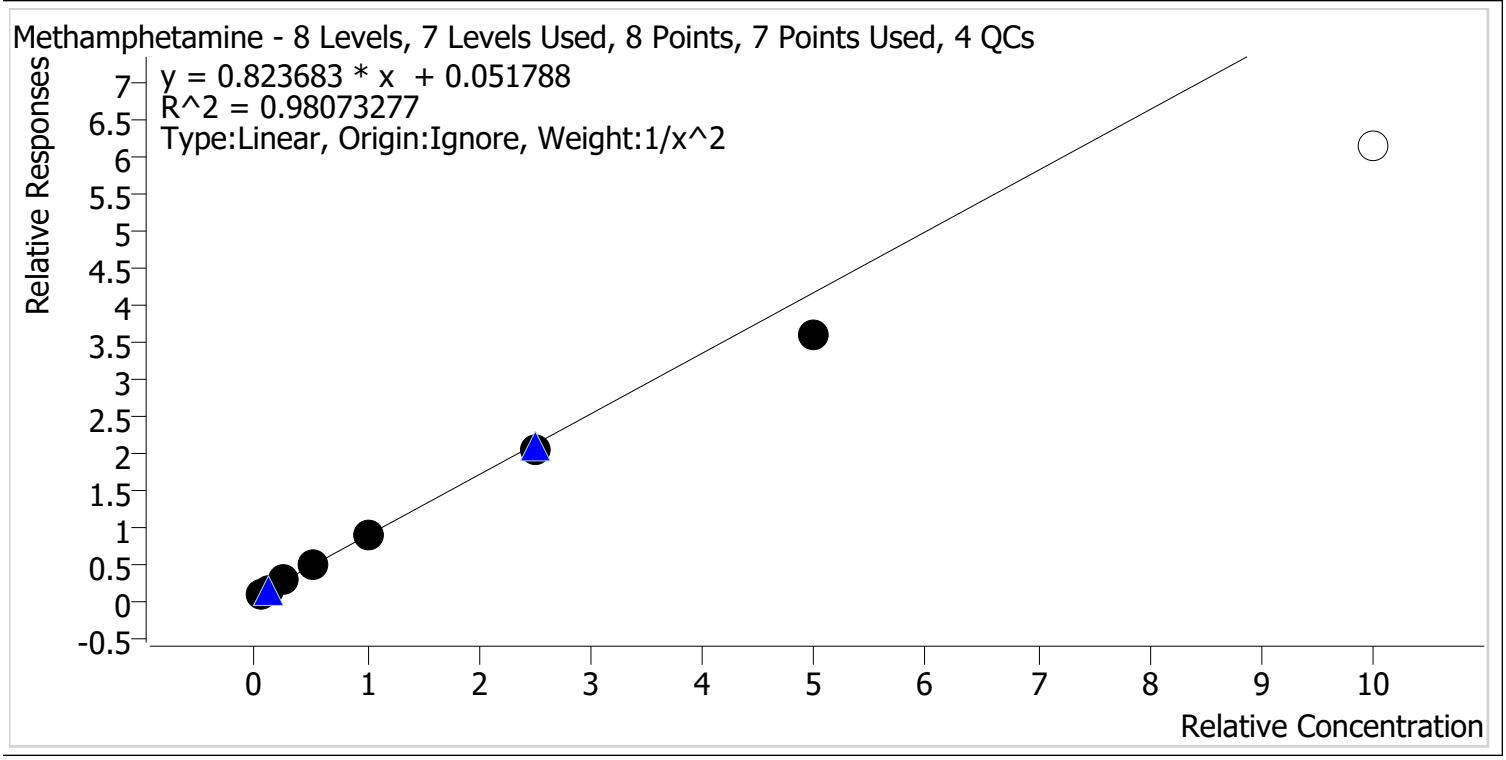
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update 11/4/2020 8:44 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



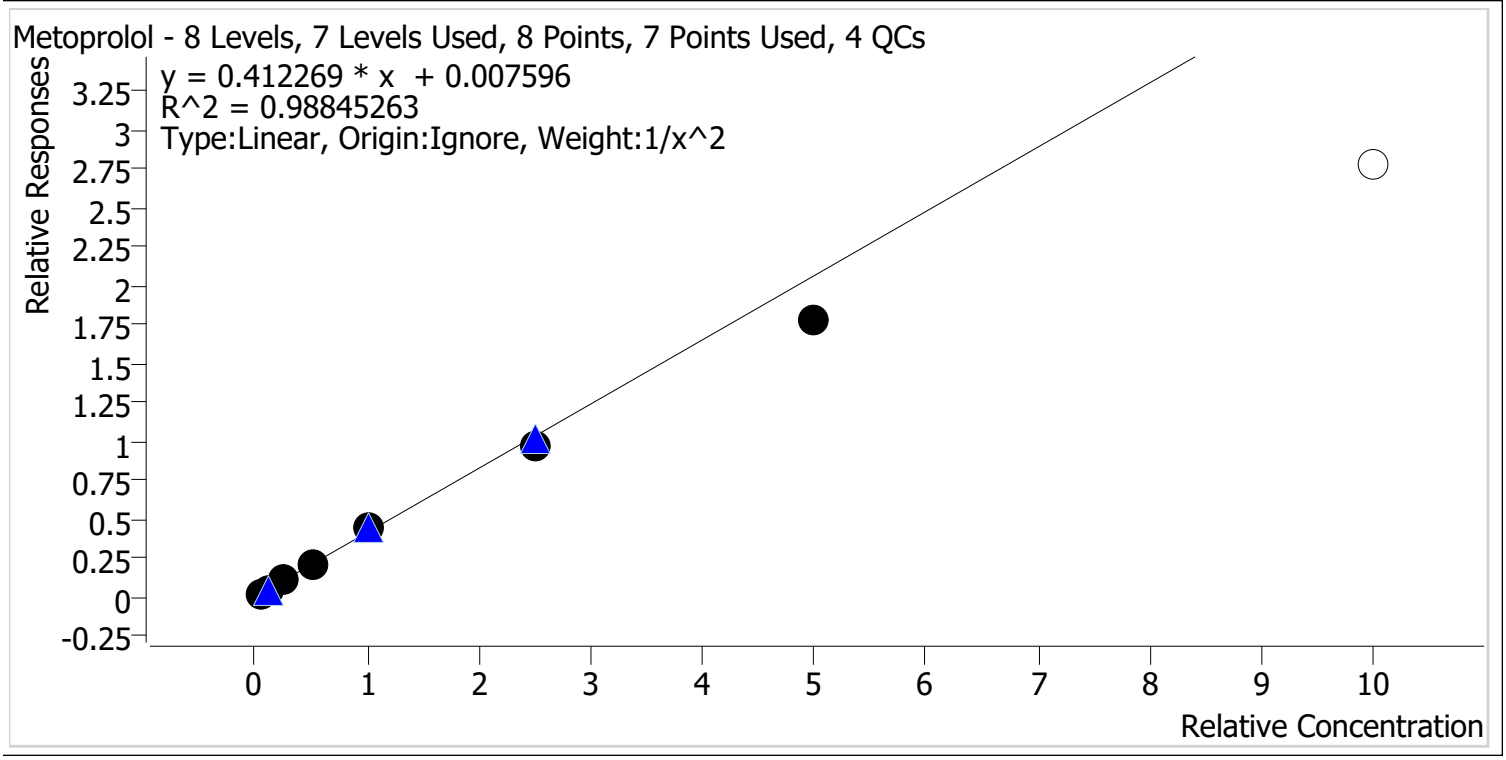
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	94.7
cal 2 mdq	2	✔	10.0	11.4	113.9
cal 3 mdq	3	✔	25.0	23.8	95.0
cal 4 mdq	4	✔	50.0	46.9	93.9
cal 5 mdq	5	✔	100.0	98.4	98.4
cal 6 mdq	6	✔	250.0	249.7	99.9
cal 7 mdq	7	✔	500.0	487.9	97.6
cal 8 mdq	8	✔	1000.0	1066.7	106.7

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Methamphetamine
Internal Standard	Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.4	88.8
cal 2 mdq	2	✔	10.0	12.1	121.1
cal 3 mdq	3	✔	25.0	25.2	100.9
cal 4 mdq	4	✔	50.0	53.5	107.0
cal 5 mdq	5	✔	100.0	101.0	101.0
cal 6 mdq	6	✔	250.0	238.4	95.3
cal 7 mdq	7	✔	500.0	429.5	85.9
cal 8 mdq	8	✗	1000.0	738.8	73.9

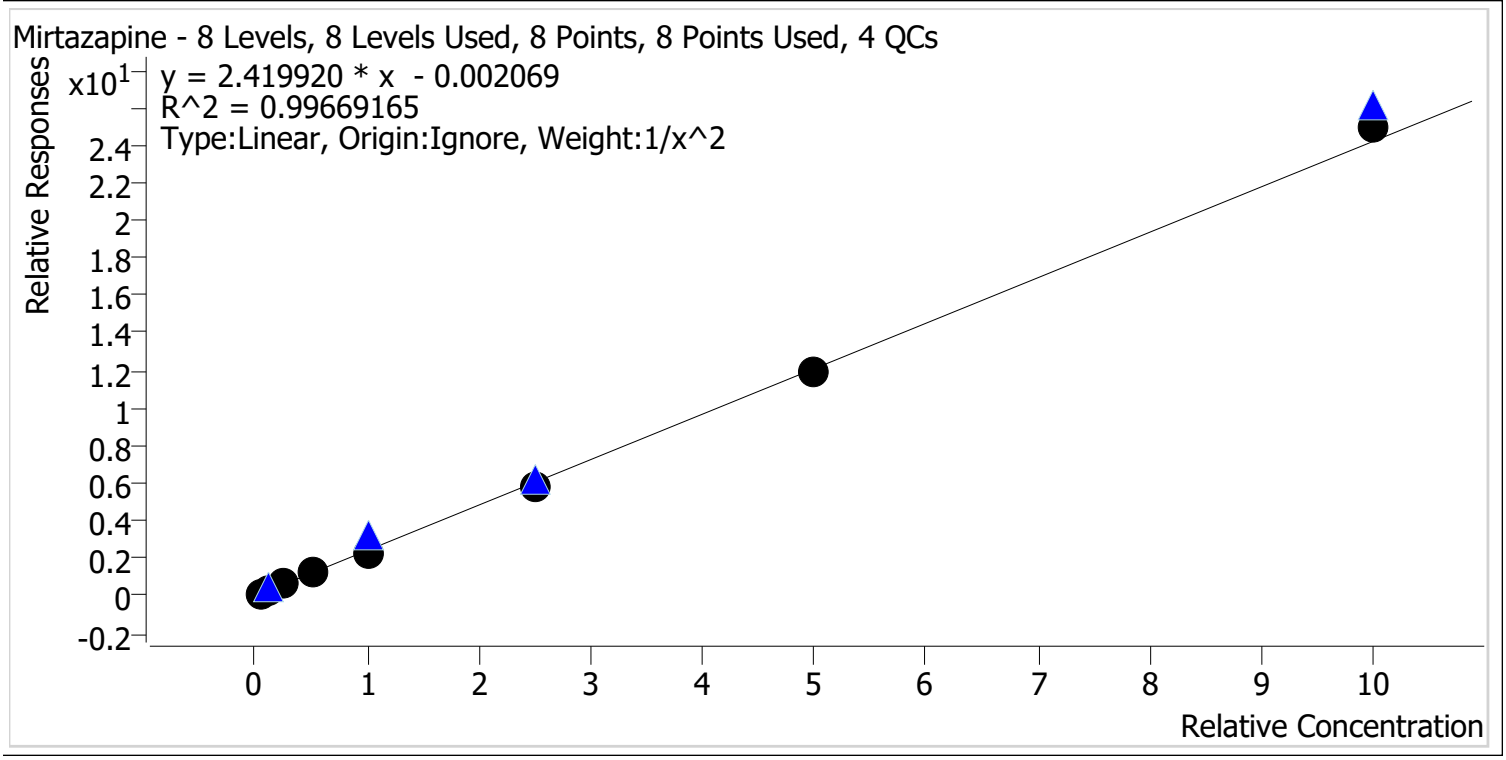
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Metoprolol
Internal Standard	Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.4
cal 2 mdq	2	✔	10.0	11.3	112.9
cal 3 mdq	3	✔	25.0	26.1	104.2
cal 4 mdq	4	✔	50.0	51.3	102.6
cal 5 mdq	5	✔	100.0	106.6	106.6
cal 6 mdq	6	✔	250.0	237.4	95.0
cal 7 mdq	7	✔	500.0	432.1	86.4
cal 8 mdq	8	✗	1000.0	673.7	67.4

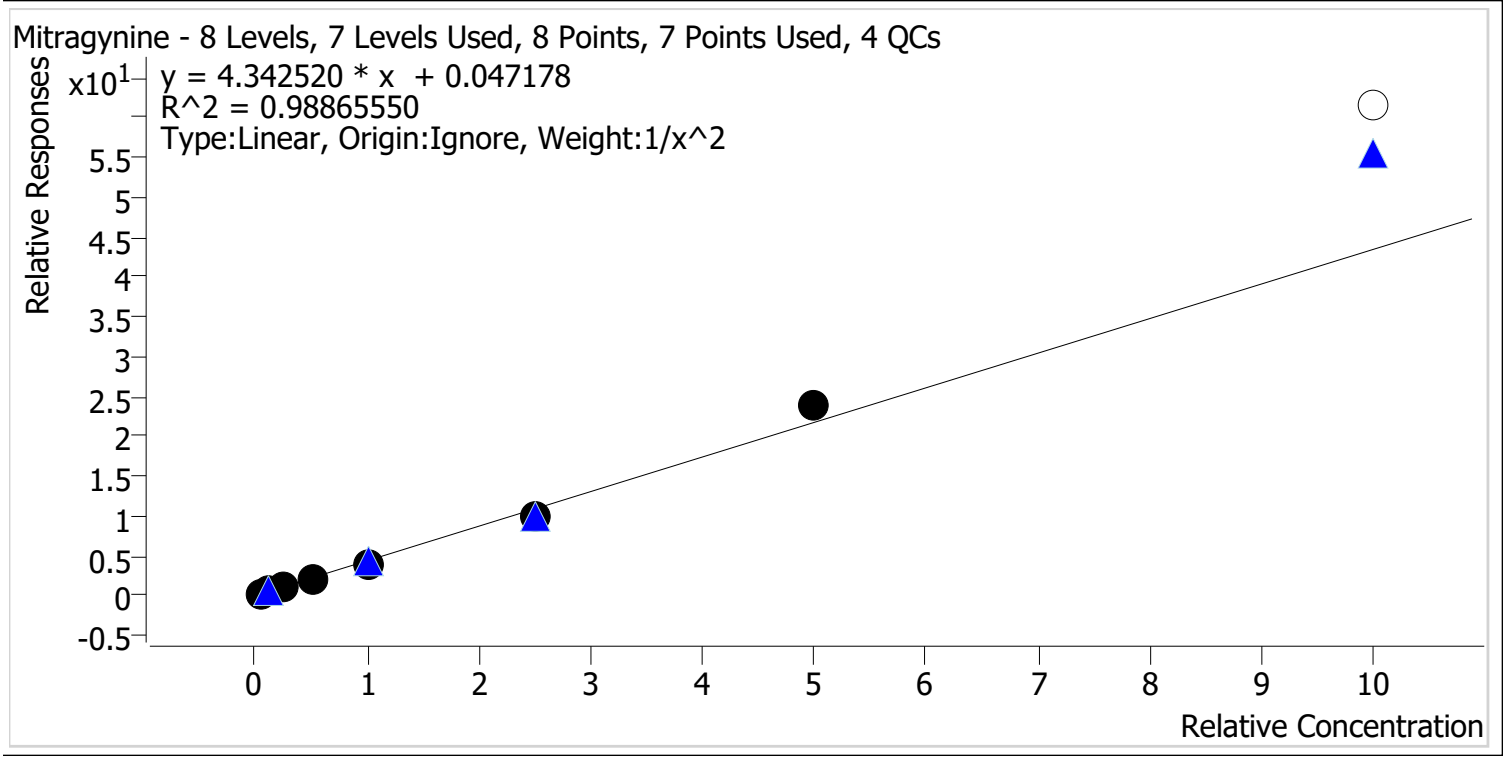
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Mirtazapine
Internal Standard	Methadone-D9



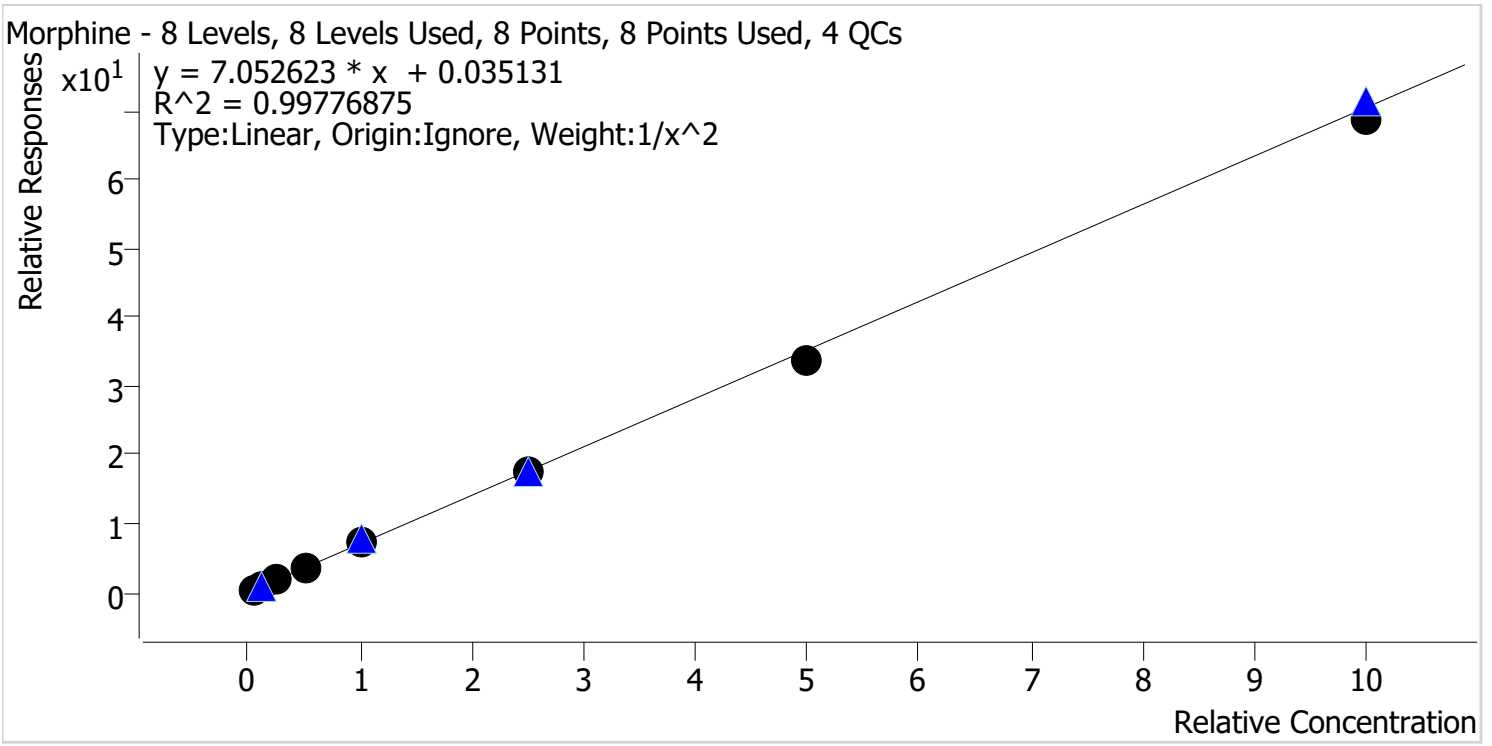
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.8
cal 2 mdq	2	✔	10.0	10.0	99.8
cal 3 mdq	3	✔	25.0	26.4	105.5
cal 4 mdq	4	✔	50.0	53.3	106.7
cal 5 mdq	5	✔	100.0	92.0	92.0
cal 6 mdq	6	✔	250.0	239.2	95.7
cal 7 mdq	7	✔	500.0	490.1	98.0
cal 8 mdq	8	✔	1000.0	1034.5	103.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Mitragynine
Internal Standard	Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	93.6
cal 2 mdq	2	✔	10.0	11.3	112.7
cal 3 mdq	3	✔	25.0	26.2	104.9
cal 4 mdq	4	✔	50.0	47.6	95.1
cal 5 mdq	5	✔	100.0	92.8	92.8
cal 6 mdq	6	✔	250.0	226.7	90.7
cal 7 mdq	7	✔	500.0	550.9	110.2
cal 8 mdq	8	✗	1000.0	1415.8	141.6

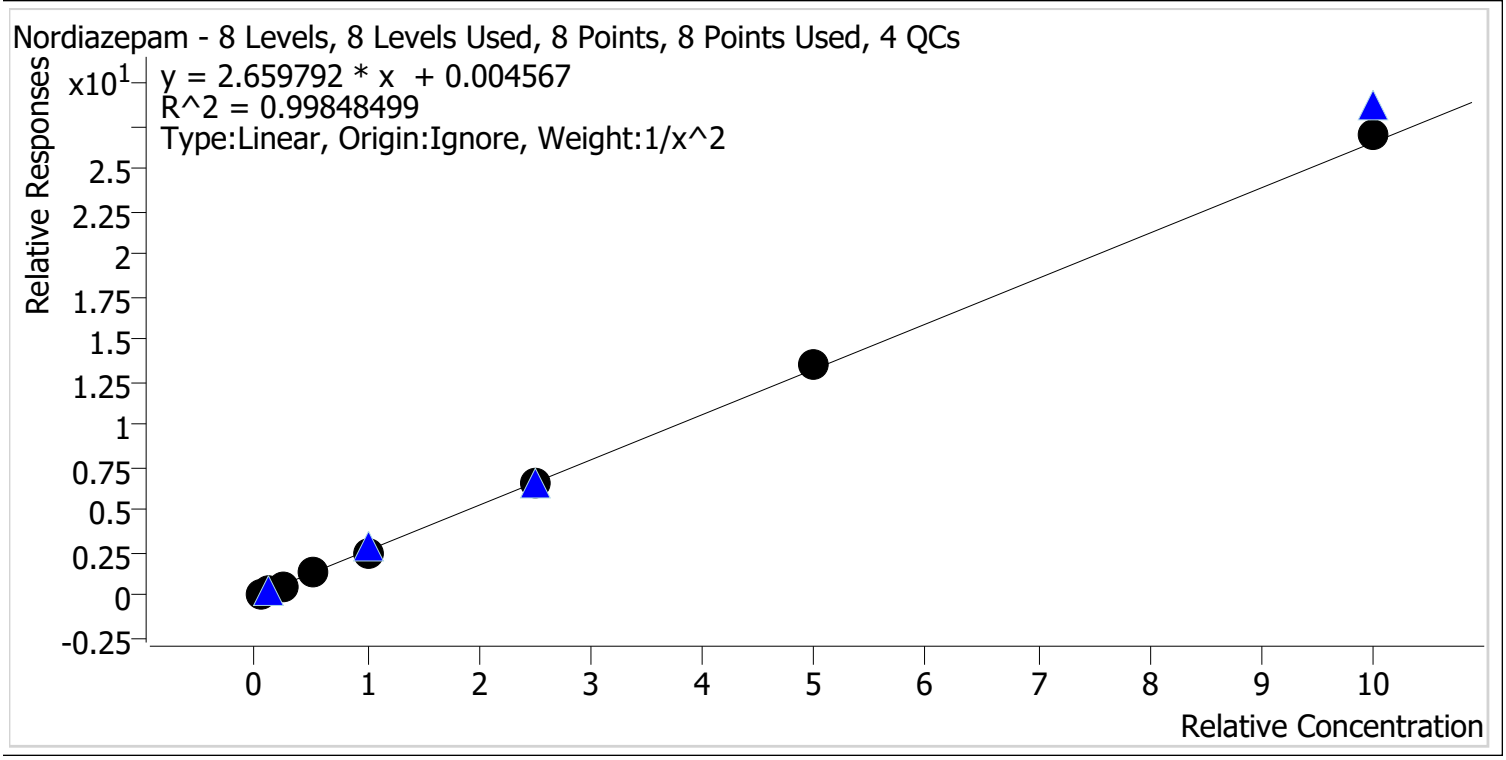
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Morphine
Internal Standard	Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.5
cal 2 mdq	2	✔	10.0	9.6	95.9
cal 3 mdq	3	✔	25.0	24.5	98.2
cal 4 mdq	4	✔	50.0	53.4	106.7
cal 5 mdq	5	✔	100.0	105.0	105.0
cal 6 mdq	6	✔	250.0	248.7	99.5
cal 7 mdq	7	✔	500.0	479.3	95.9
cal 8 mdq	8	✔	1000.0	972.3	97.2

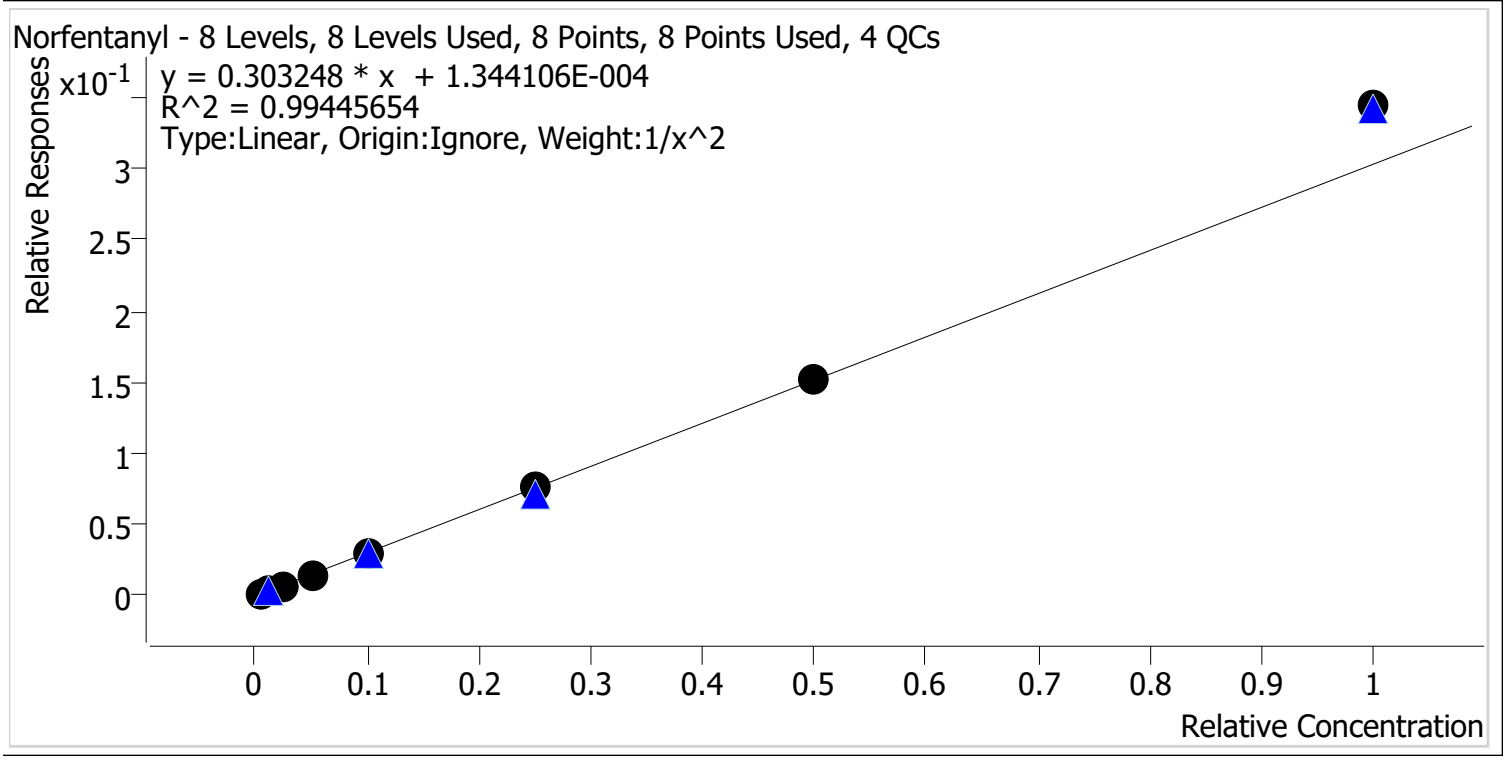
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Nordiazepam
Internal Standard	Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.4
cal 2 mdq	2	✔	10.0	10.5	105.1
cal 3 mdq	3	✔	25.0	23.7	94.9
cal 4 mdq	4	✔	50.0	50.8	101.7
cal 5 mdq	5	✔	100.0	95.9	95.9
cal 6 mdq	6	✔	250.0	251.2	100.5
cal 7 mdq	7	✔	500.0	509.1	101.8
cal 8 mdq	8	✔	1000.0	1016.2	101.6

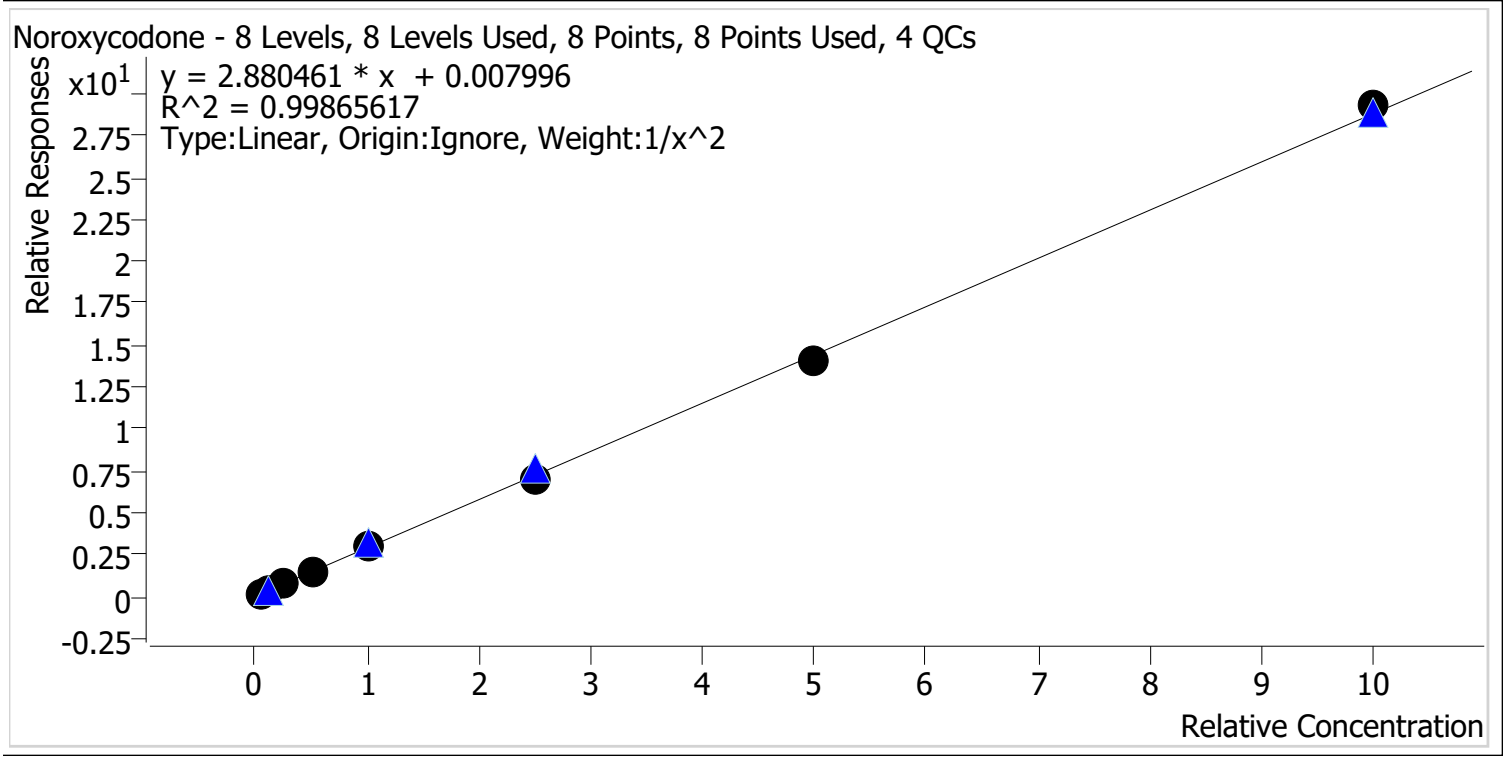
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Norfentanyl
Internal Standard	Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	100.8
cal 2 mdq	2	✔	1.0	1.0	102.7
cal 3 mdq	3	✔	2.5	2.3	91.9
cal 4 mdq	4	✔	5.0	4.8	96.3
cal 5 mdq	5	✔	10.0	9.5	95.4
cal 6 mdq	6	✔	25.0	24.9	99.4
cal 7 mdq	7	✔	50.0	49.9	99.9
cal 8 mdq	8	✔	100.0	113.6	113.6

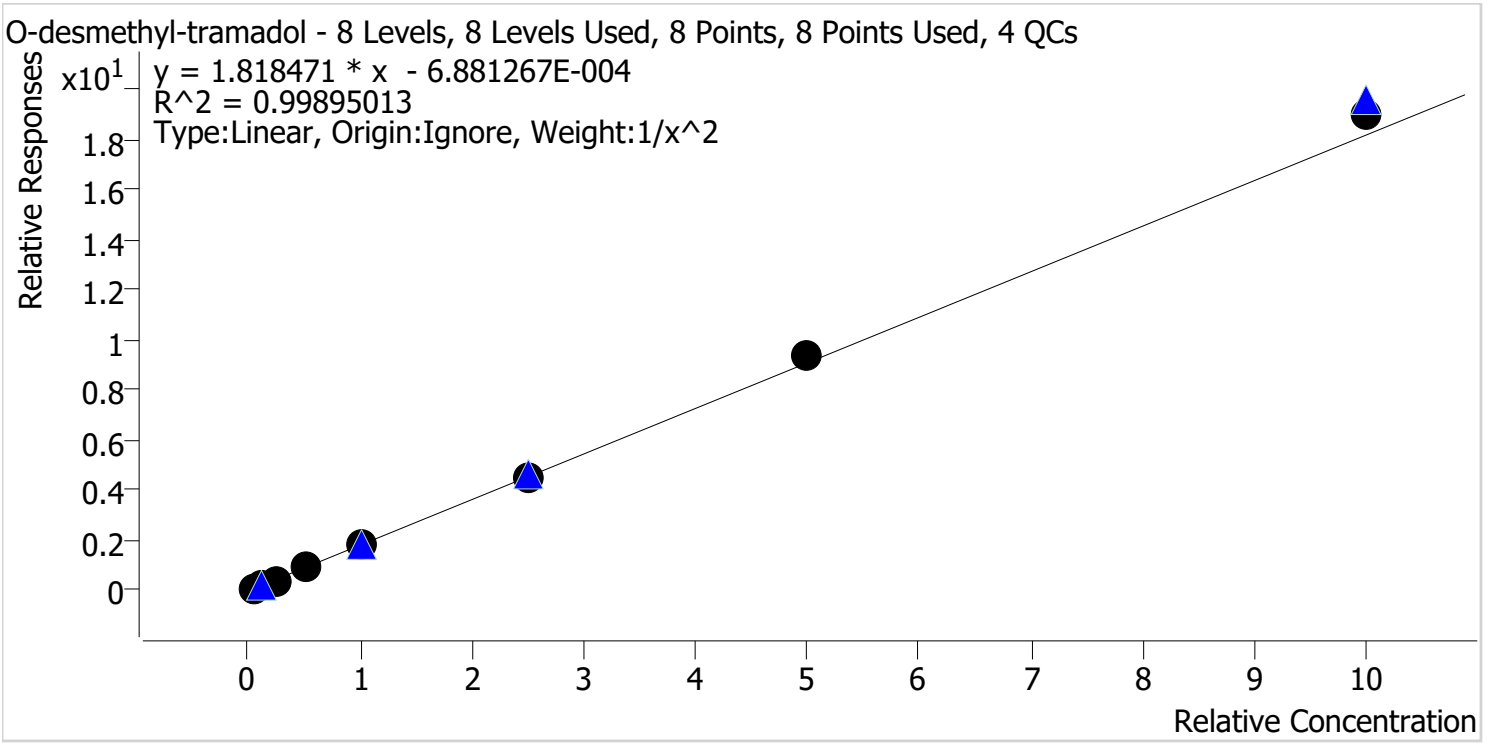
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Noroxycodone
Internal Standard	Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.9
cal 2 mdq	2	✔	10.0	10.7	106.6
cal 3 mdq	3	✔	25.0	24.7	98.8
cal 4 mdq	4	✔	50.0	50.2	100.4
cal 5 mdq	5	✔	100.0	100.8	100.8
cal 6 mdq	6	✔	250.0	243.5	97.4
cal 7 mdq	7	✔	500.0	487.4	97.5
cal 8 mdq	8	✔	1000.0	1016.9	101.7

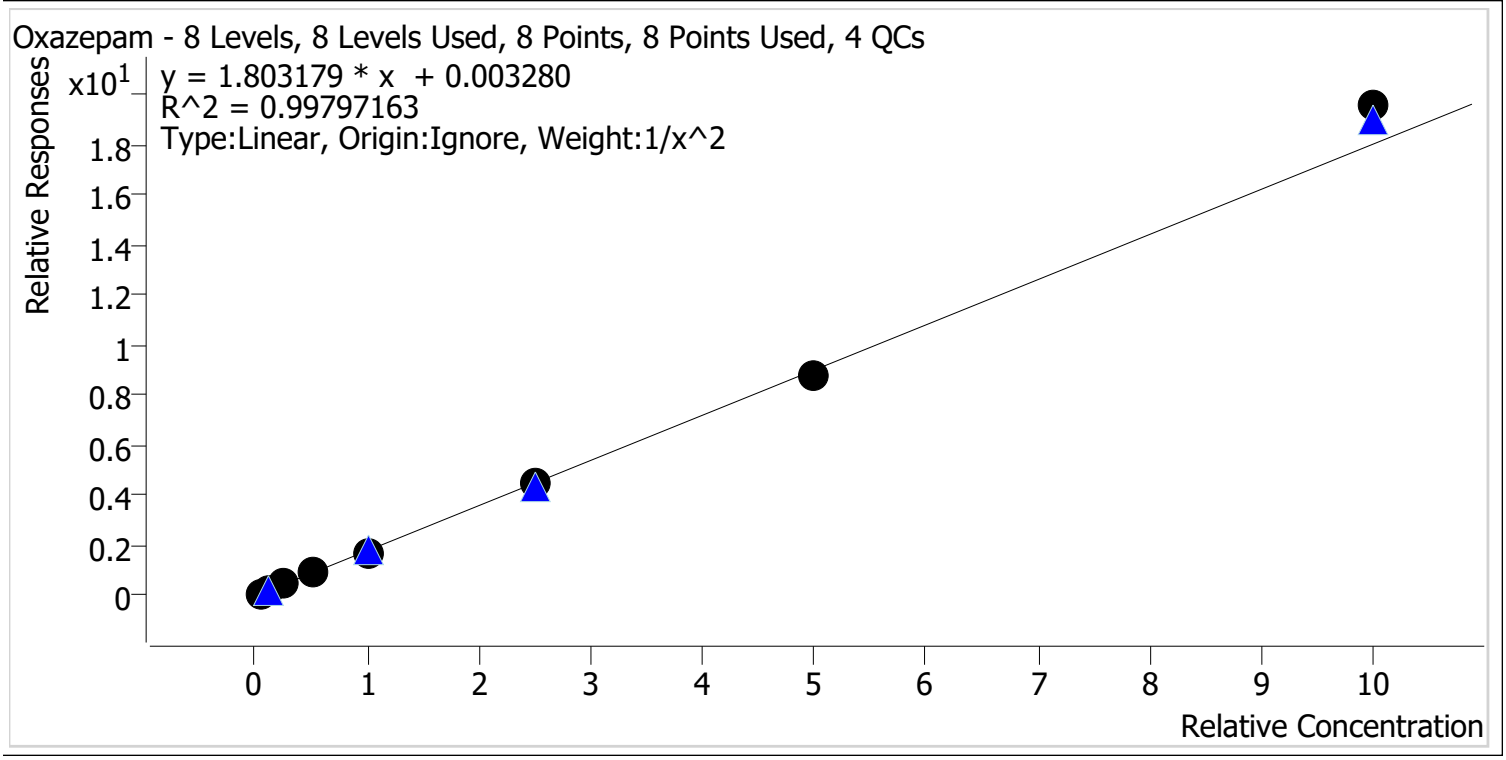
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	O-desmethyl-tramadol
Internal Standard	O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.7
cal 2 mdq	2	✔	10.0	9.8	98.5
cal 3 mdq	3	✔	25.0	24.0	96.1
cal 4 mdq	4	✔	50.0	49.3	98.6
cal 5 mdq	5	✔	100.0	98.5	98.5
cal 6 mdq	6	✔	250.0	248.0	99.2
cal 7 mdq	7	✔	500.0	512.5	102.5
cal 8 mdq	8	✔	1000.0	1048.9	104.9

Compound Calibration Report

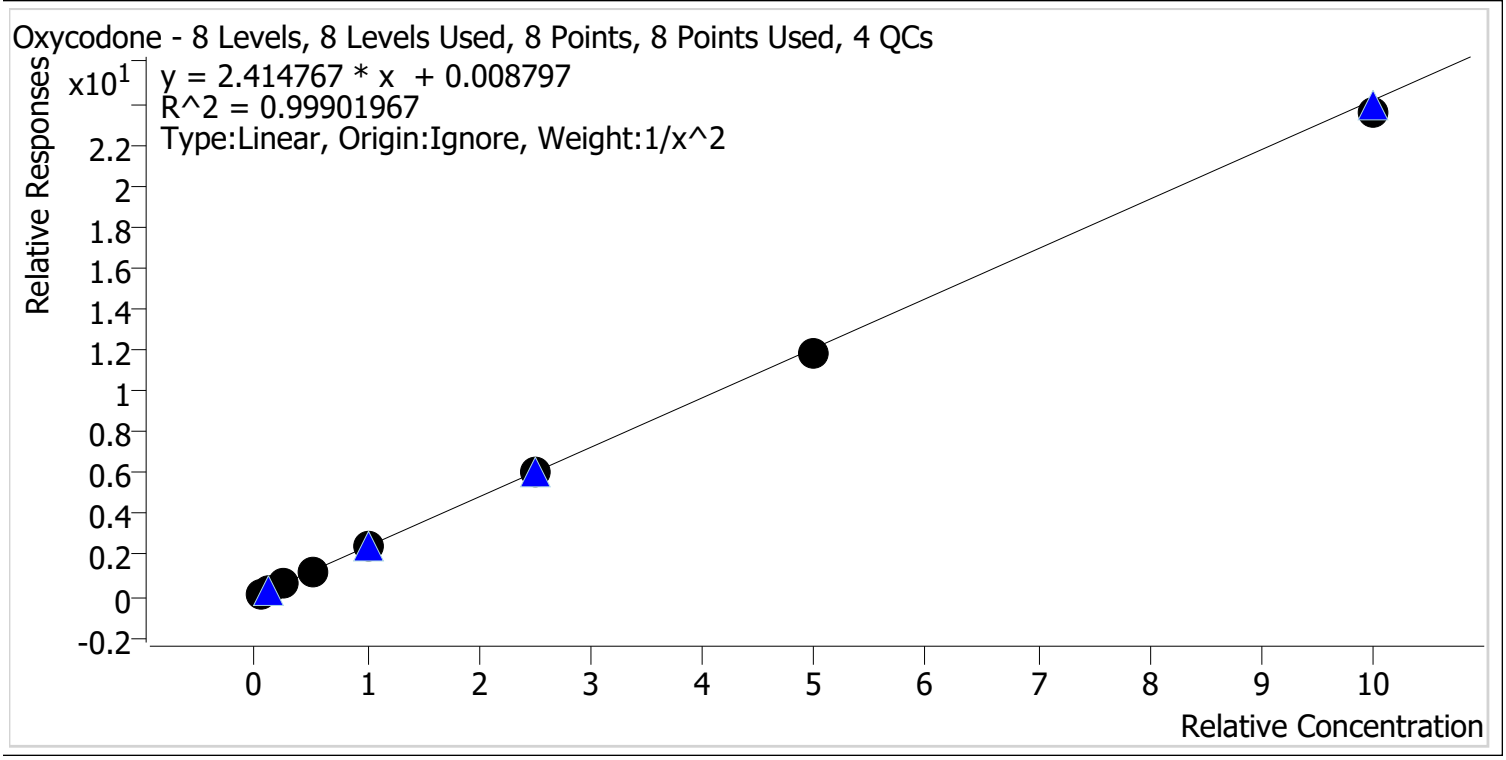
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Oxazepam
Internal Standard	Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.2
cal 2 mdq	2	✔	10.0	10.3	103.0
cal 3 mdq	3	✔	25.0	24.5	97.9
cal 4 mdq	4	✔	50.0	49.3	98.6
cal 5 mdq	5	✔	100.0	97.1	97.1
cal 6 mdq	6	✔	250.0	246.4	98.6
cal 7 mdq	7	✔	500.0	486.0	97.2
cal 8 mdq	8	✔	1000.0	1085.2	108.5

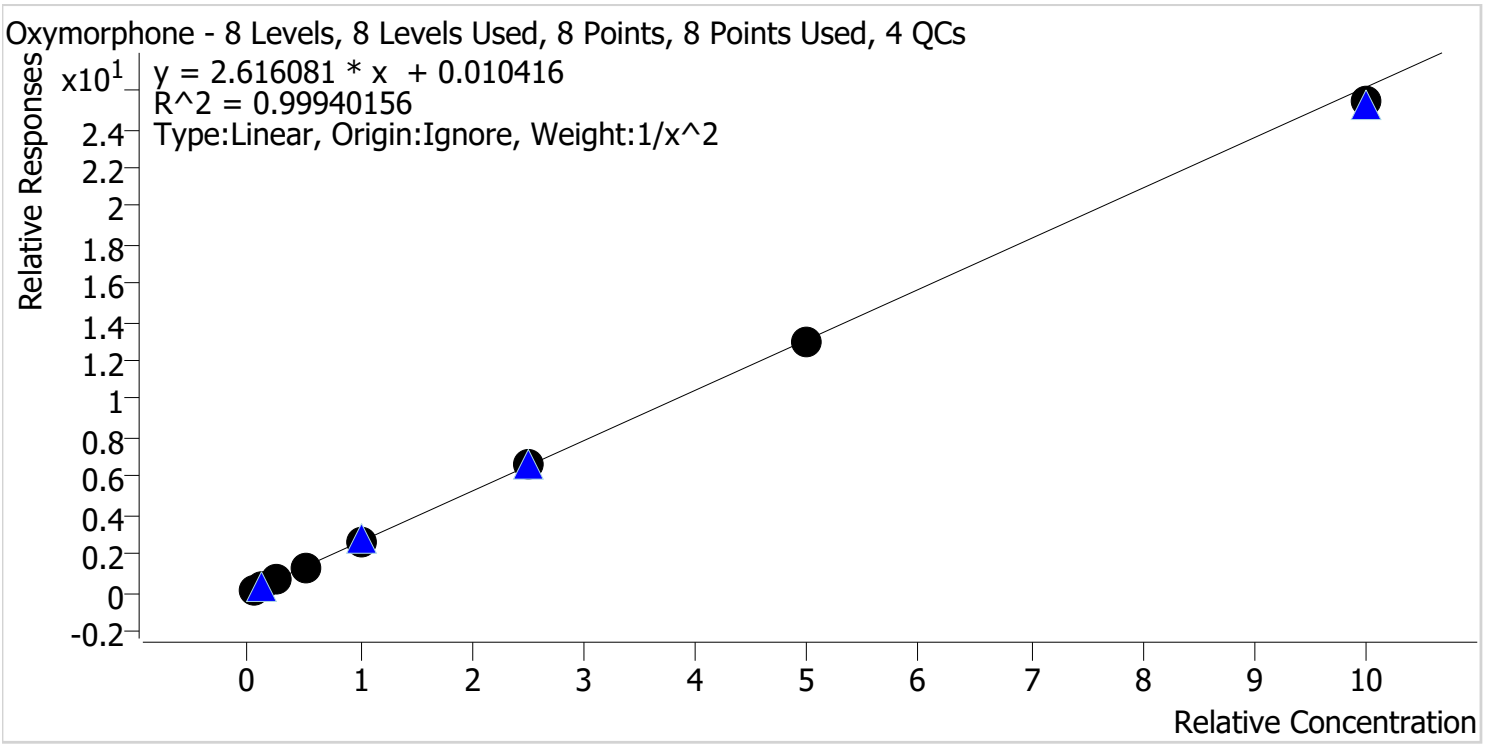
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Oxycodone
Internal Standard	Oxycodone-D6



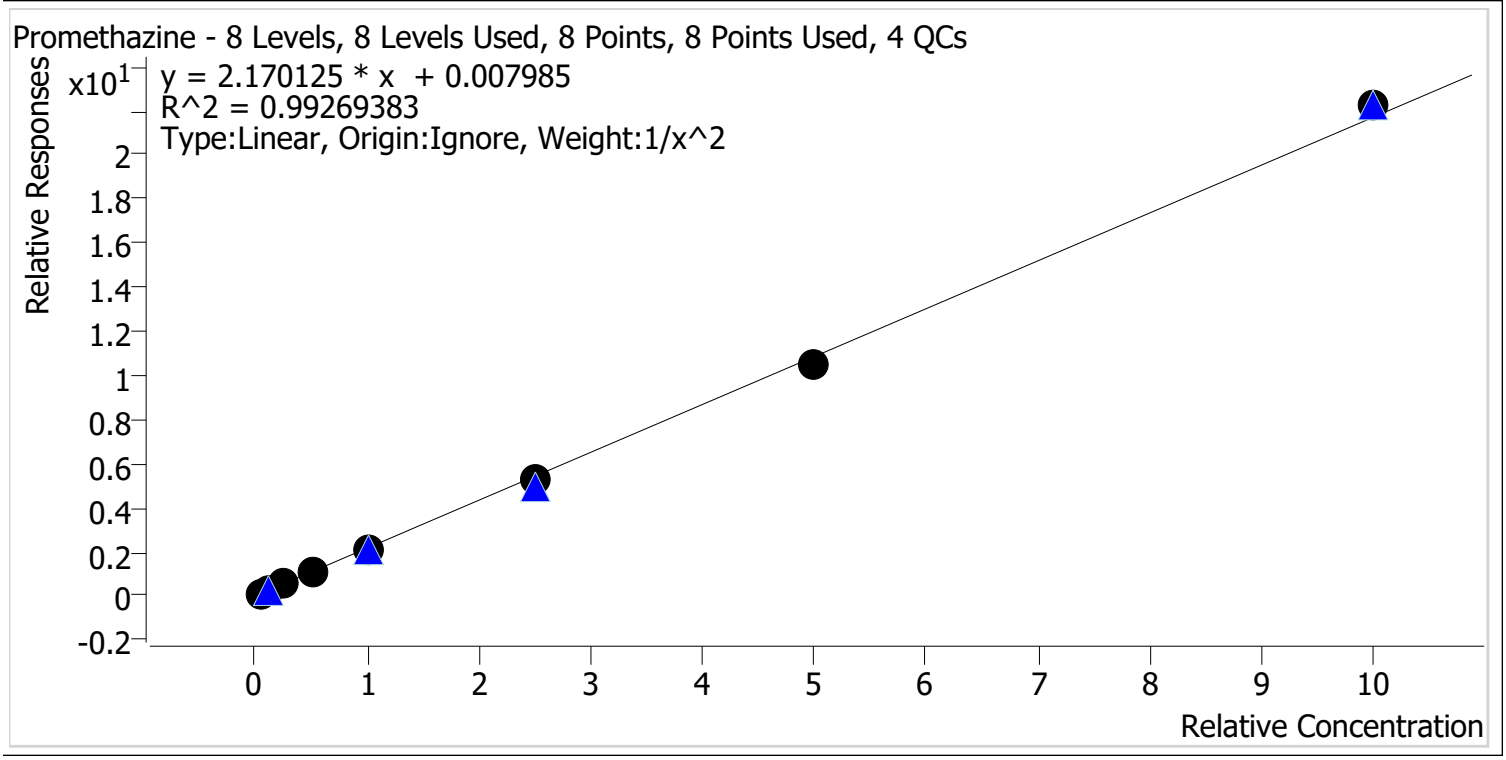
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.1
cal 2 mdq	2	✔	10.0	10.4	104.4
cal 3 mdq	3	✔	25.0	24.3	97.0
cal 4 mdq	4	✔	50.0	51.1	102.2
cal 5 mdq	5	✔	100.0	102.4	102.4
cal 6 mdq	6	✔	250.0	250.0	100.0
cal 7 mdq	7	✔	500.0	490.9	98.2
cal 8 mdq	8	✔	1000.0	976.6	97.7

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Oxymorphone
Internal Standard	Oxymorphone-D3



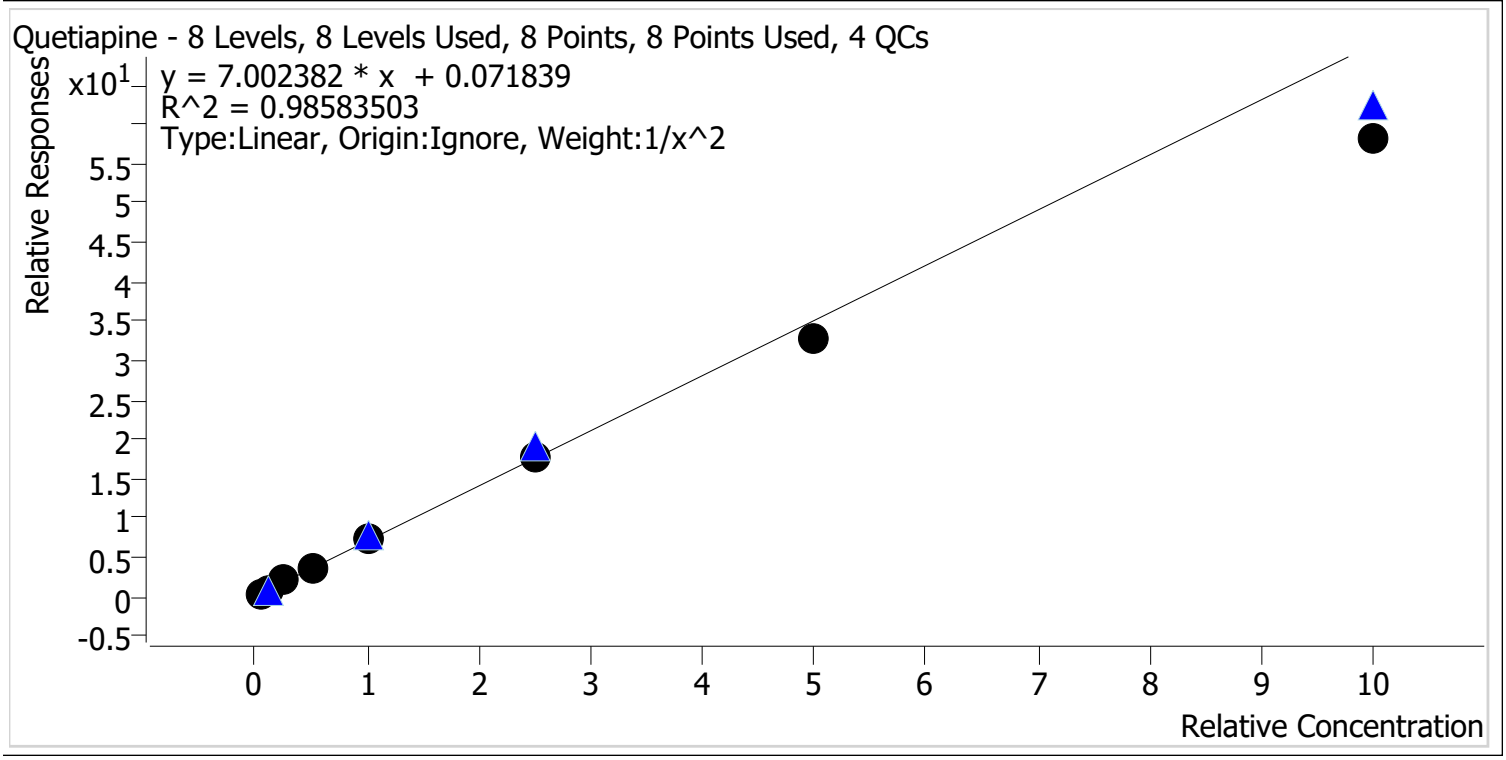
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.3
cal 2 mdq	2	✔	10.0	10.3	103.5
cal 3 mdq	3	✔	25.0	24.7	98.8
cal 4 mdq	4	✔	50.0	50.7	101.4
cal 5 mdq	5	✔	100.0	101.3	101.3
cal 6 mdq	6	✔	250.0	252.8	101.1
cal 7 mdq	7	✔	500.0	492.5	98.5
cal 8 mdq	8	✔	1000.0	971.3	97.1

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Promethazine
Internal Standard	Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.1
cal 2 mdq	2	✔	10.0	11.4	114.0
cal 3 mdq	3	✔	25.0	26.9	107.5
cal 4 mdq	4	✔	50.0	48.6	97.3
cal 5 mdq	5	✔	100.0	94.4	94.4
cal 6 mdq	6	✔	250.0	240.3	96.1
cal 7 mdq	7	✔	500.0	481.1	96.2
cal 8 mdq	8	✔	1000.0	1022.7	102.3

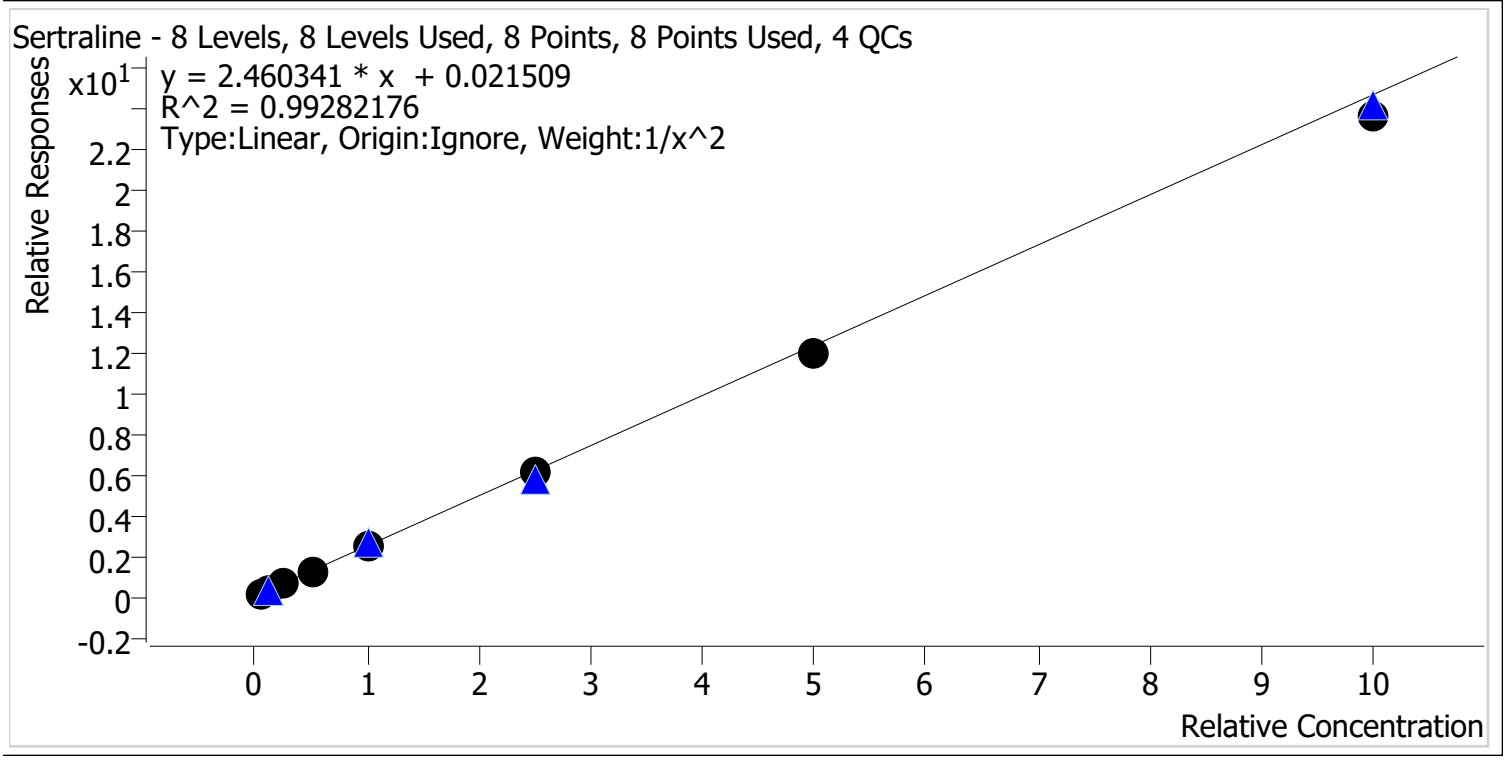
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Quetiapine
Internal Standard	Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.5	90.6
cal 2 mdq	2	✔	10.0	11.4	113.7
cal 3 mdq	3	✔	25.0	27.8	111.4
cal 4 mdq	4	✔	50.0	51.0	102.0
cal 5 mdq	5	✔	100.0	104.2	104.2
cal 6 mdq	6	✔	250.0	254.3	101.7
cal 7 mdq	7	✔	500.0	466.0	93.2
cal 8 mdq	8	✔	1000.0	832.1	83.2

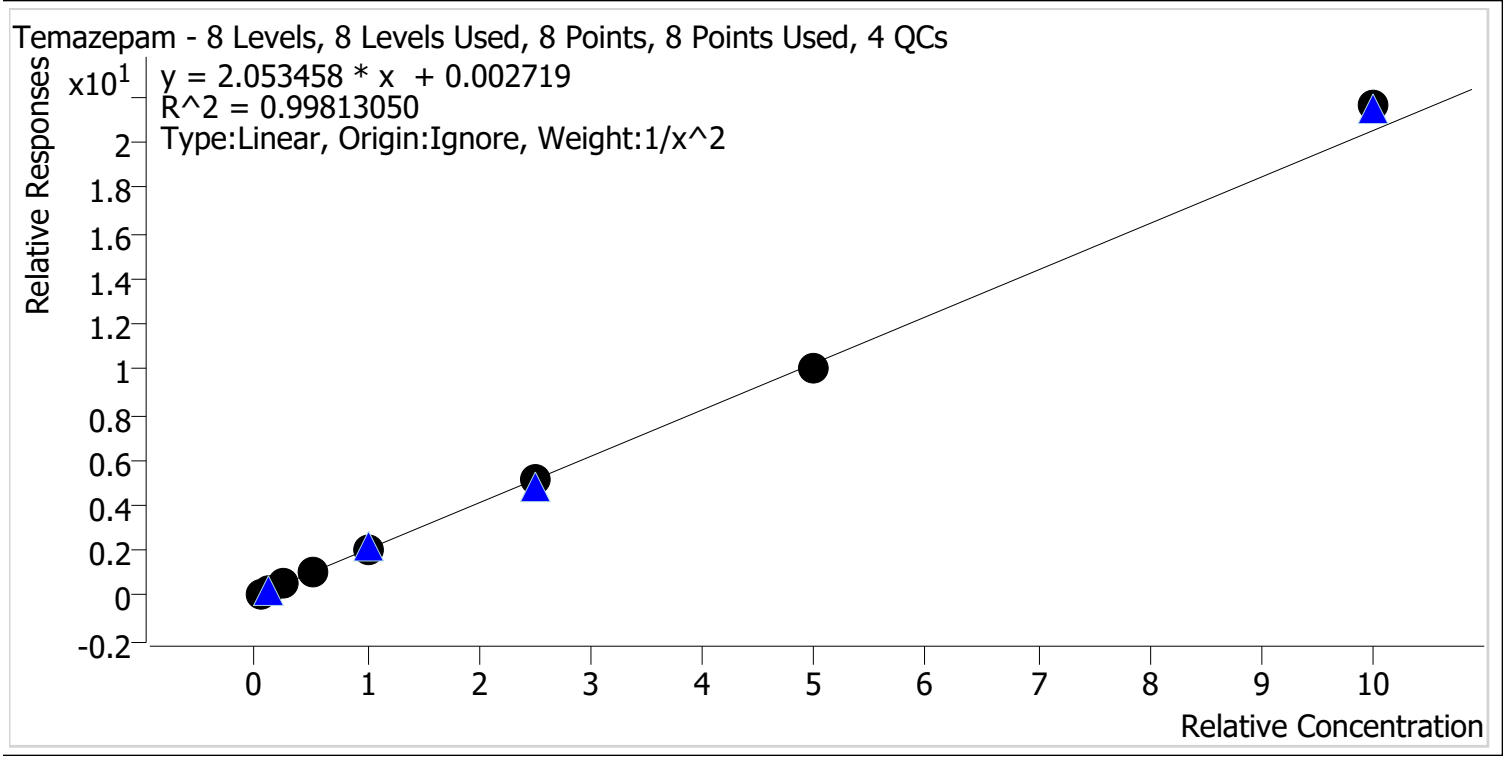
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Sertraline
Internal Standard	Sertraline-D3



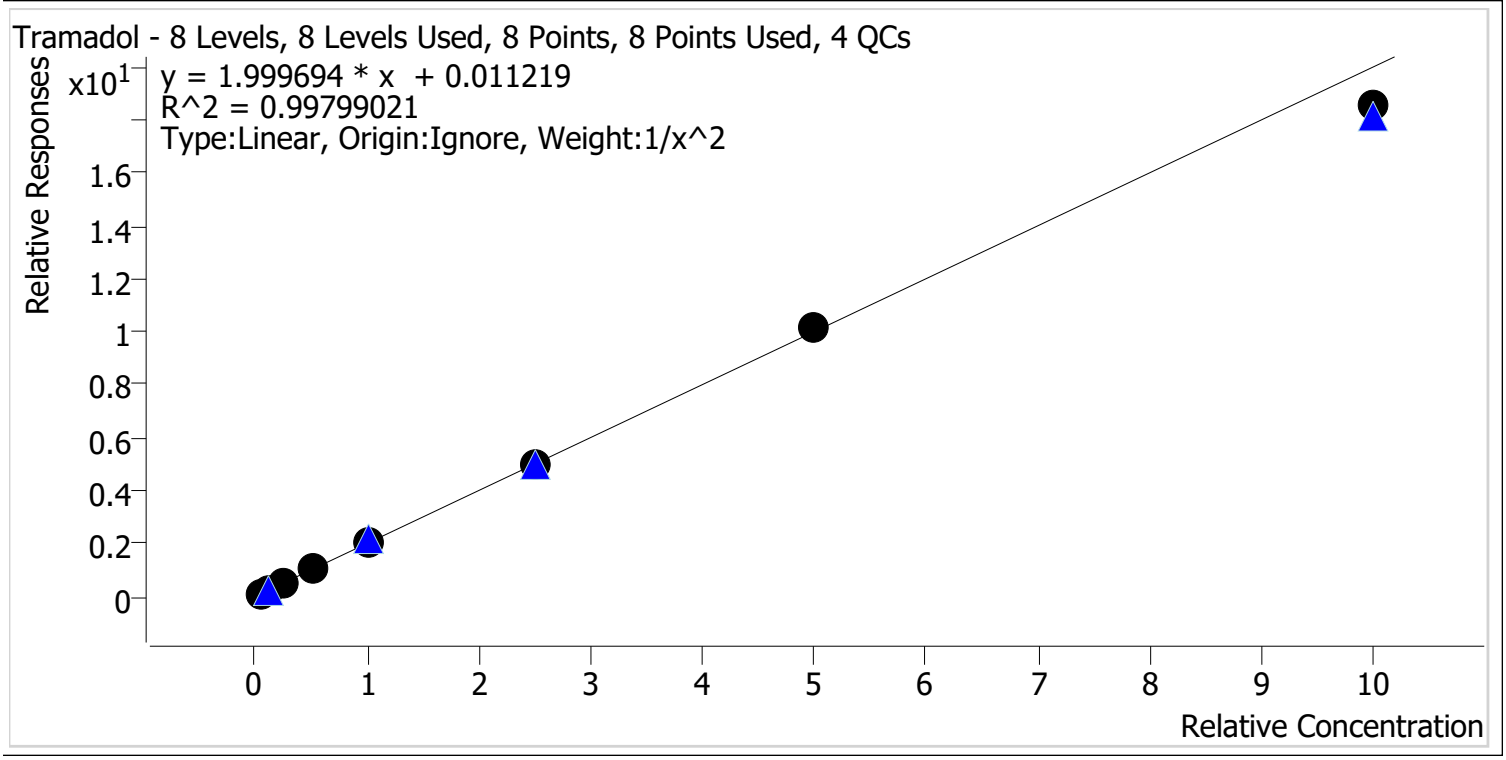
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	91.7
cal 2 mdq	2	✔	10.0	11.4	114.2
cal 3 mdq	3	✔	25.0	27.0	108.0
cal 4 mdq	4	✔	50.0	49.6	99.2
cal 5 mdq	5	✔	100.0	96.0	96.0
cal 6 mdq	6	✔	250.0	245.6	98.2
cal 7 mdq	7	✔	500.0	486.9	97.4
cal 8 mdq	8	✔	1000.0	953.7	95.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Temazepam
Internal Standard	Temazepam-D5



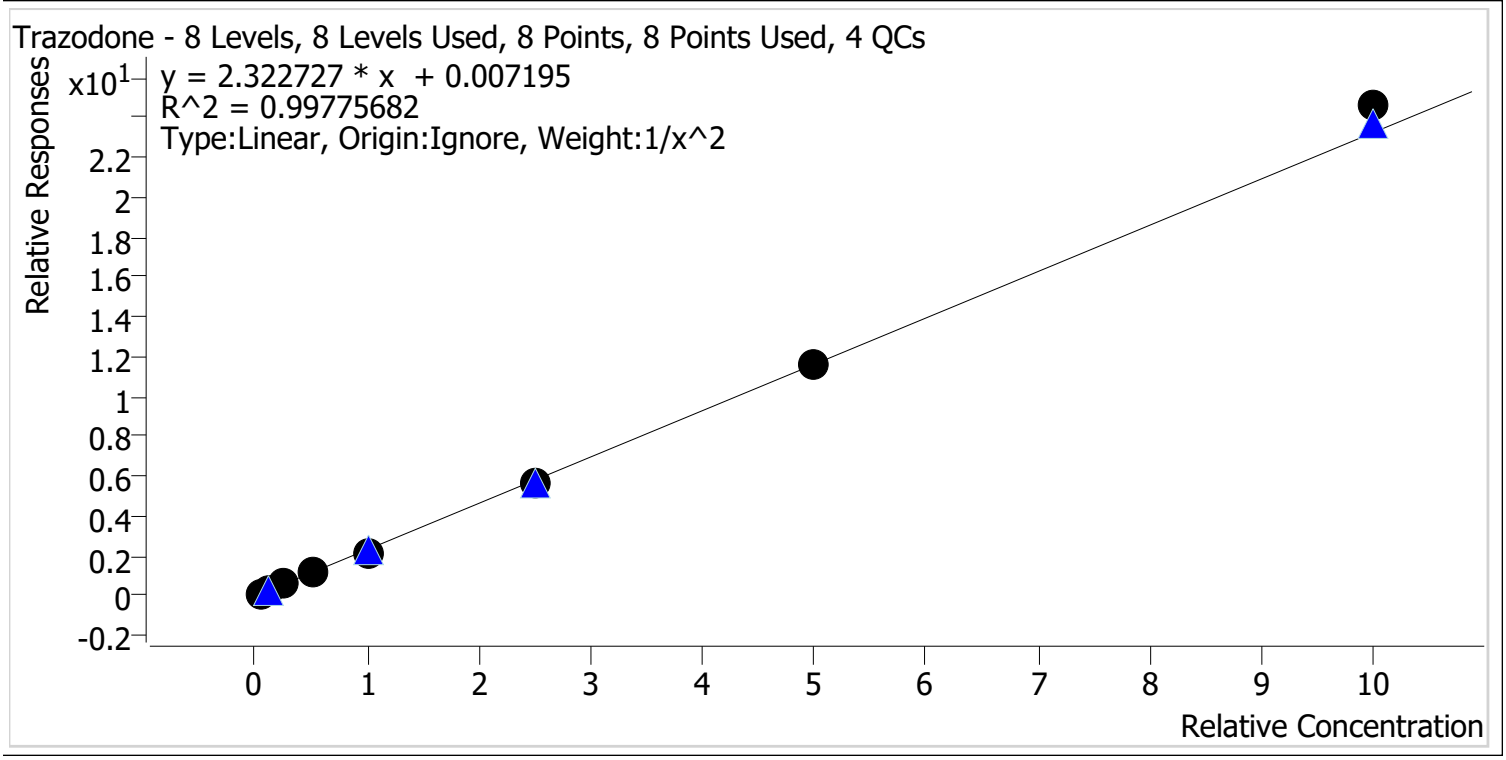
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	97.2
cal 2 mdq	2	✔	10.0	10.7	106.5
cal 3 mdq	3	✔	25.0	24.9	99.5
cal 4 mdq	4	✔	50.0	48.9	97.9
cal 5 mdq	5	✔	100.0	97.6	97.6
cal 6 mdq	6	✔	250.0	247.0	98.8
cal 7 mdq	7	✔	500.0	485.8	97.2
cal 8 mdq	8	✔	1000.0	1053.5	105.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Tramadol
Internal Standard	Tramadol-13C-D3



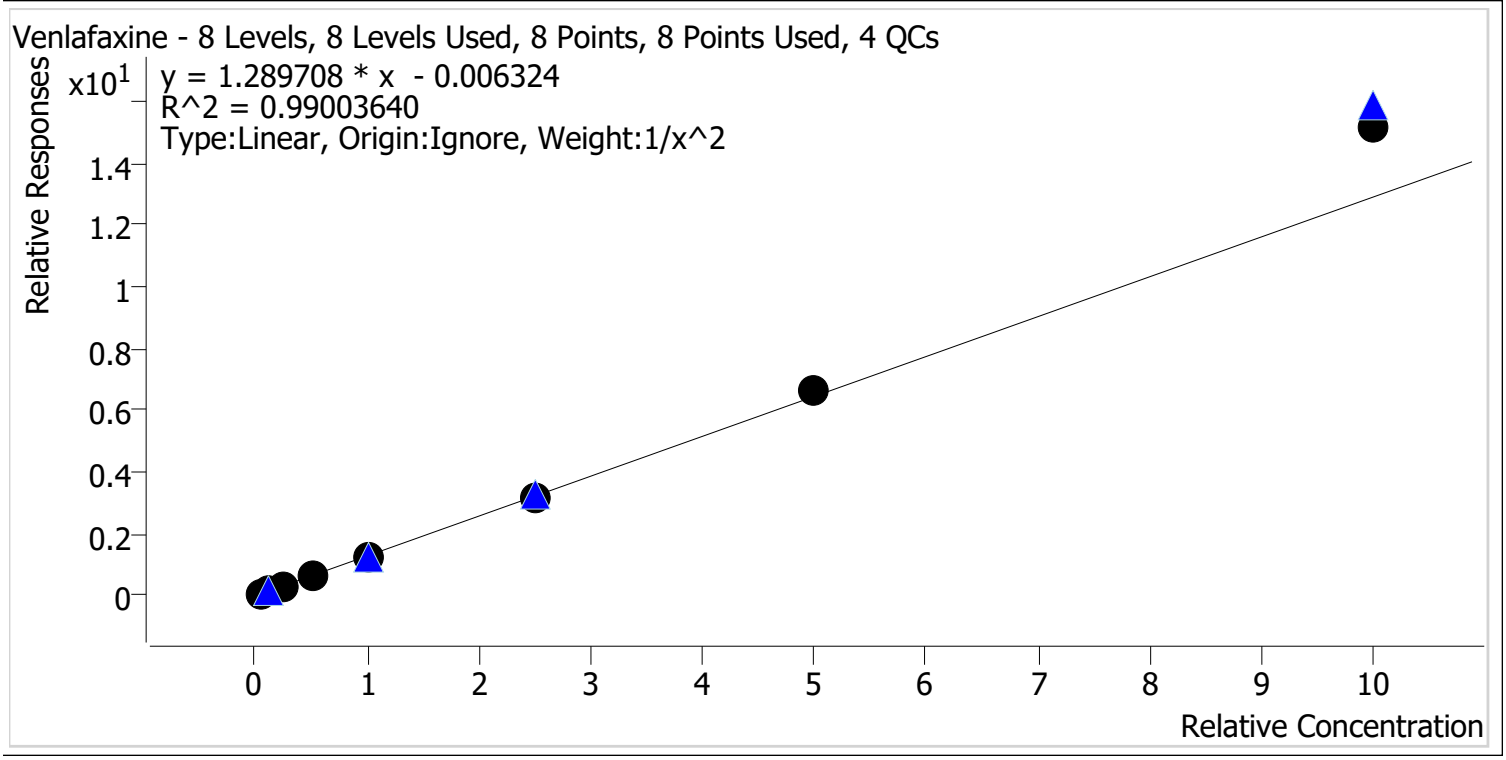
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.8
cal 2 mdq	2	✔	10.0	10.5	104.6
cal 3 mdq	3	✔	25.0	25.9	103.6
cal 4 mdq	4	✔	50.0	51.2	102.3
cal 5 mdq	5	✔	100.0	100.3	100.3
cal 6 mdq	6	✔	250.0	246.6	98.6
cal 7 mdq	7	✔	500.0	505.1	101.0
cal 8 mdq	8	✔	1000.0	927.0	92.7

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Trazodone
Internal Standard	Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	97.1
cal 2 mdq	2	✔	10.0	10.6	106.5
cal 3 mdq	3	✔	25.0	25.2	100.8
cal 4 mdq	4	✔	50.0	49.0	98.0
cal 5 mdq	5	✔	100.0	95.5	95.5
cal 6 mdq	6	✔	250.0	242.4	96.9
cal 7 mdq	7	✔	500.0	496.8	99.4
cal 8 mdq	8	✔	1000.0	1058.3	105.8

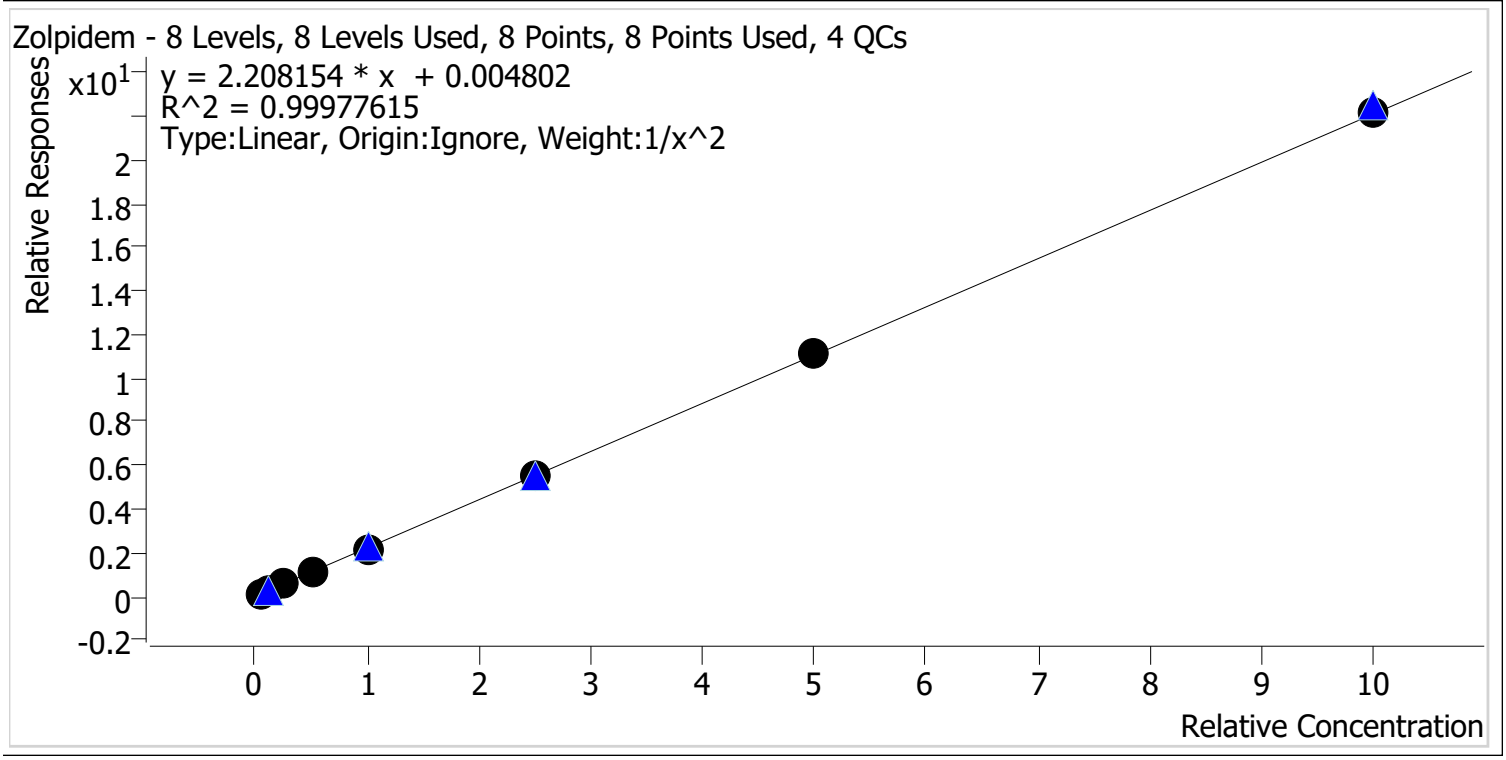
Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Venlafaxine
Internal Standard	Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.2	104.7
cal 2 mdq	2	✔	10.0	9.6	96.4
cal 3 mdq	3	✔	25.0	22.5	90.1
cal 4 mdq	4	✔	50.0	45.8	91.5
cal 5 mdq	5	✔	100.0	96.7	96.7
cal 6 mdq	6	✔	250.0	248.6	99.4
cal 7 mdq	7	✔	500.0	518.8	103.8
cal 8 mdq	8	✔	1000.0	1173.6	117.4

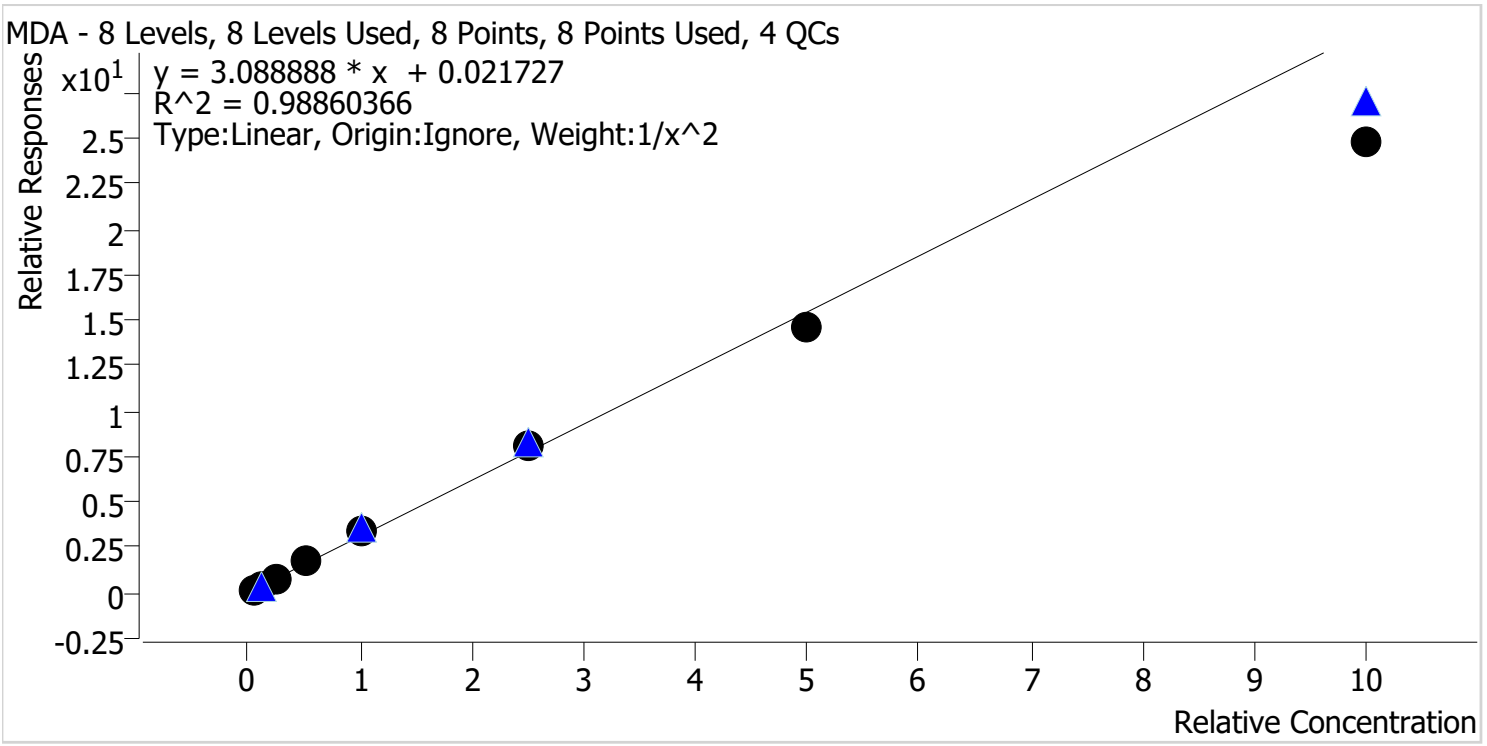
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	Zolpidem
Internal Standard	Zolpidem-D6



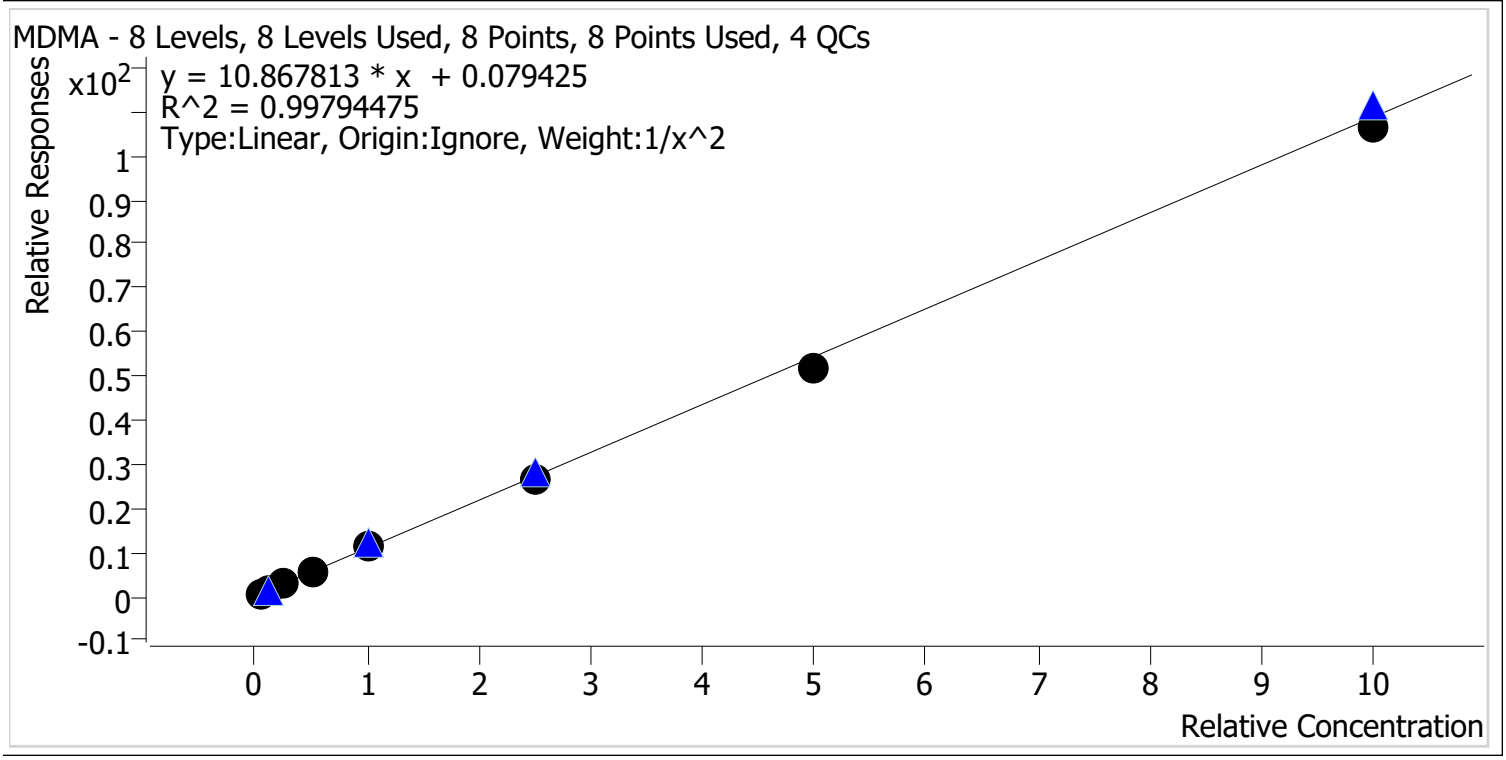
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.8
cal 2 mdq	2	✔	10.0	10.1	101.4
cal 3 mdq	3	✔	25.0	24.5	98.1
cal 4 mdq	4	✔	50.0	49.2	98.4
cal 5 mdq	5	✔	100.0	99.4	99.4
cal 6 mdq	6	✔	250.0	252.6	101.0
cal 7 mdq	7	✔	500.0	506.9	101.4
cal 8 mdq	8	✔	1000.0	1004.3	100.4

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	MDA
Internal Standard	MDA-D5



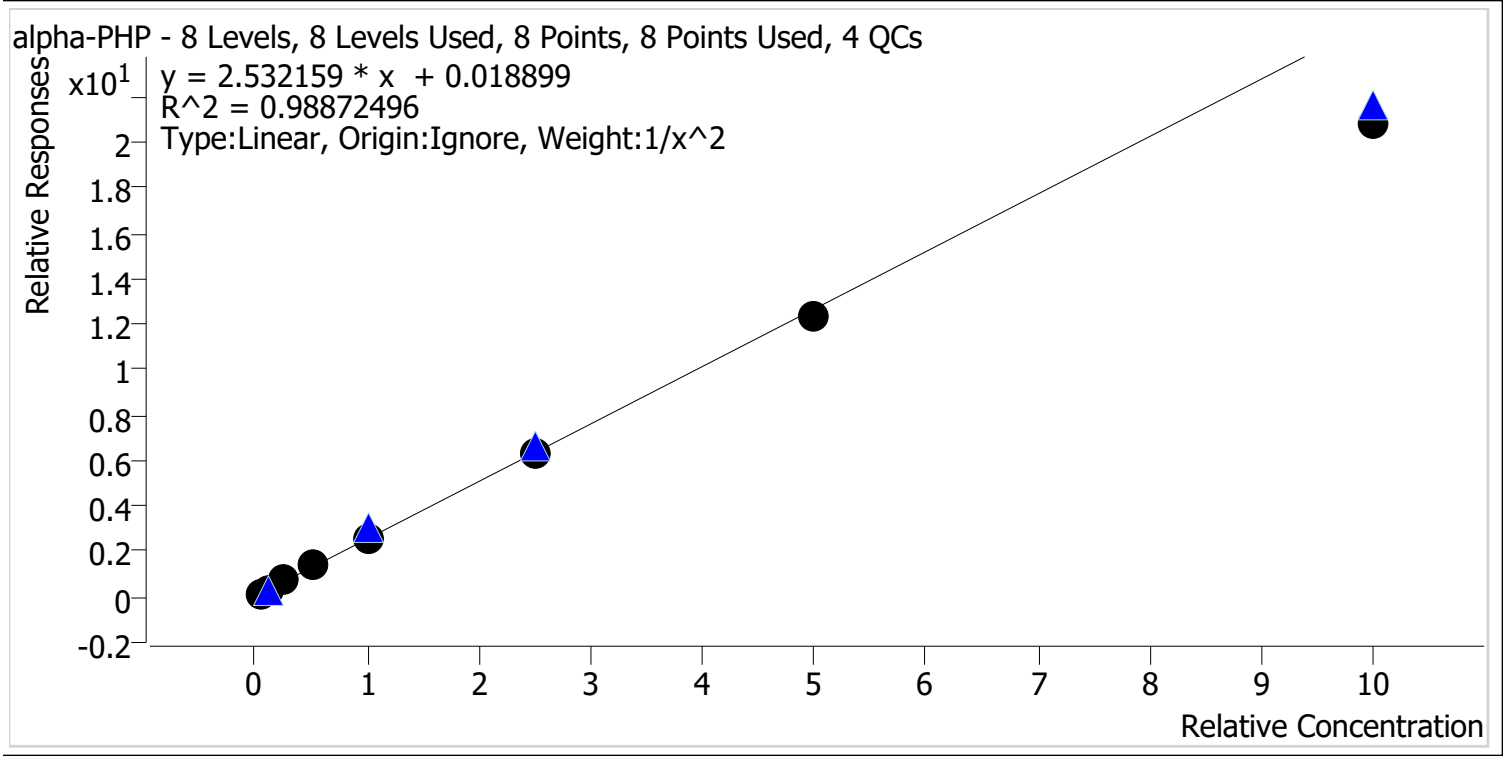
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.1
cal 2 mdq	2	✔	10.0	10.4	103.7
cal 3 mdq	3	✔	25.0	26.0	104.1
cal 4 mdq	4	✔	50.0	54.2	108.4
cal 5 mdq	5	✔	100.0	108.8	108.8
cal 6 mdq	6	✔	250.0	258.6	103.4
cal 7 mdq	7	✔	500.0	474.4	94.9
cal 8 mdq	8	✔	1000.0	805.8	80.6

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	MDMA
Internal Standard	MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.9
cal 2 mdq	2	✔	10.0	10.7	107.5
cal 3 mdq	3	✔	25.0	25.3	101.1
cal 4 mdq	4	✔	50.0	50.8	101.7
cal 5 mdq	5	✔	100.0	102.2	102.2
cal 6 mdq	6	✔	250.0	245.0	98.0
cal 7 mdq	7	✔	500.0	478.1	95.6
cal 8 mdq	8	✔	1000.0	981.0	98.1

Batch results	D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Last Cal. Update	11/4/2020 8:44 AM
Analyst Name	ISP\datastor
Analyte	alpha-PHP
Internal Standard	Bupropion-D9



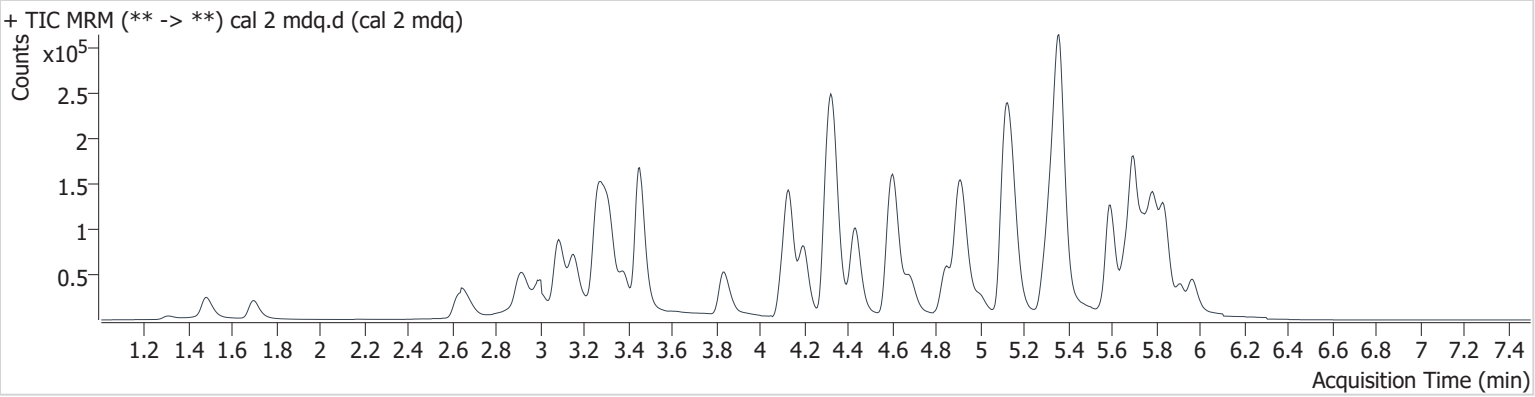
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.5
cal 2 mdq	2	✔	10.0	11.1	110.8
cal 3 mdq	3	✔	25.0	26.7	106.9
cal 4 mdq	4	✔	50.0	54.0	108.1
cal 5 mdq	5	✔	100.0	101.2	101.2
cal 6 mdq	6	✔	250.0	251.5	100.6
cal 7 mdq	7	✔	500.0	487.4	97.5
cal 8 mdq	8	✔	1000.0	824.6	82.5

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 2 mdq.d
Type	Cal	**Sample**	cal 2 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-B1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 12:26:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	968	413.4	76.3	1356.9	17806	1.164	ng/ml
7-aminoclonazepam	4.323	15407	1473.0	92.1	435.2	57679	10.821	ng/ml
a-hydroxyalprazolam	5.723	3897	166.7	57.0	164.7	17783	10.906	ng/ml
alpha-PHP	5.006	38035	670.1	39.1	436.6	127053	11.076	ng/ml
alpha-PVP	4.438	56997	579.2	51.1	1562.2	223298	10.443	ng/ml
Alprazolam	5.796	20888	105.7	119.3	52.1	76687	9.683	ng/ml
Amphetamine	3.156	112975	963.0	41.4	568.8	163261	10.435	ng/ml
Buprenorphine	5.732	634	57.9	17.9	121.7	20788	0.728	ng/ml
Bupropion	4.857	44292	582.5	70.2	384.4	127053	10.775	ng/ml
Carisoprodol	5.752	11175	146.5	73.5	130.2	50766	10.598	ng/ml
Citalopram	5.297	42288	312.6	37.5	98.2	156811	11.091	ng/ml
Clonazepam	5.651	19832	572.2	30.1	542.0	33064	9.933	ng/ml
Cocaine	4.332	46677	100.0	47.2	111.2	312032	10.245	ng/ml
Codeine	2.685	5189	344.8	114.6	2412.8	26845	10.116	ng/ml
Cyclobenzaprine	5.669	47940	787.8	7.3	65.4	122818	11.305	ng/ml
Dextromethorphan	5.341	34477	279.5	75.1	1233.5	144687	11.350	ng/ml
Dextrorphan	4.197	14775	350.9	220.8	558.4	177557	10.444	ng/ml
Diazepam	5.973	16456	165.2	87.4	264.6	76875	10.273	ng/ml
Dihydrocodeine	2.658	14519	315.4	58.1	631.1	74319	10.472	ng/ml
Diphenhydramine	5.363	130834	607.8	29.3	842.2	580756	11.151	ng/ml
Doxylamine	4.610	117700	171.6	97.1	931.6	424499	10.232	ng/ml
EDDP	5.331	22647	410.9	208.9	302.1	226549	11.034	ng/ml
Fentanyl	5.162	5033	58.0	73.0	334.4	186070	1.218	ng/ml
Fluoxetine	5.745	40742	451.9	7.2	1894.9	109544	11.851	ng/ml
Hydrocodone	3.112	21701	504.7	35.5	21.9	117273	10.271	ng/ml
Hydromorphone	1.702	15184	930.7	75.9	289.5	45350	10.007	ng/ml
Ketamine	4.117	38522	1373.7	38.2	64.0	151895	10.564	ng/ml
Lamotrigine	4.365	3010	273.4	91.0	614.8	419091	10.406	ng/ml
Lorazepam	5.775	19973	443.9	45.8	65.9	145487	11.255	ng/ml
MDA	3.292	59644	589.9	25.2	208.5	174344	10.372	ng/ml
MDMA	3.379	41943	1168.2	90.8	1429.2	33618	10.749	ng/ml
Meprobamate	4.971	11059	1117.2	27.7	150.3	32911	10.908	ng/ml
Methadone	5.698	77468	728.8	56.7	644.2	307681	11.392	ng/ml

AM #28 Multi-Drug Quant. Results

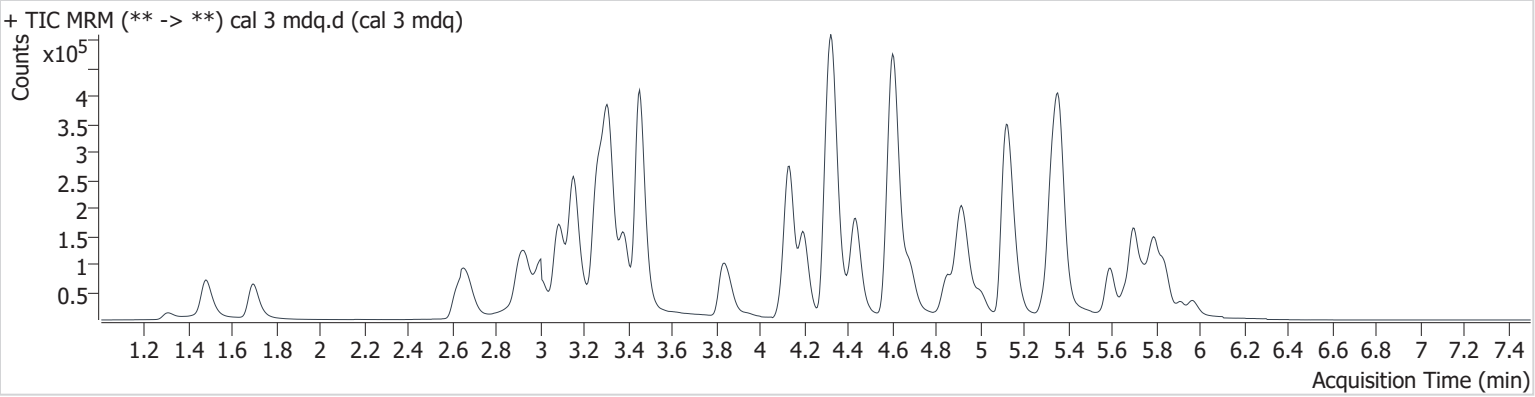
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.319	50663	189.9	234.1	225.2	334350	12.109	ng/ml
Metoprolol	4.395	8322	802.4	89.3	729.9	153746	11.286	ng/ml
Mirtazapine	4.682	73645	685.1	48.7	644.6	307681	9.977	ng/ml
Mitragynine	5.286	11152	12299.6	32.1	5244.7	20788	11.267	ng/ml
Morphine	1.316	2425	426.4	20.6	215.8	3408	9.593	ng/ml
Nordiazepam	5.917	14989	366.6	63.9	382.5	52736	10.515	ng/ml
Norfentanyl	4.158	1073	86.7	255.6	16.3	330093	1.027	ng/ml
Noroxycodone	3.015	18721	293.3	41.3	15.7	59430	10.658	ng/ml
O-desmethyl-tramadol	3.455	74993	1409.5	7.2	373.4	420315	9.849	ng/ml
Oxazepam	5.787	27491	348.4	80.3	188.0	145487	10.297	ng/ml
Oxycodone	2.932	42560	536.2	29.7	748.8	163055	10.445	ng/ml
Oxymorphone	1.484	21223	935.1	45.3	718.4	75497	10.347	ng/ml
Promethazine	5.591	63131	1633.0	40.4	698.6	247119	11.404	ng/ml
Quetiapine	5.577	29104	503.1	57.8	526.0	33540	11.366	ng/ml
Sertraline	5.813	15905	347.6	99.7	1071.3	52598	11.416	ng/ml
Temazepam	5.844	46143	369.5	29.4	105.6	208388	10.651	ng/ml
Tramadol	4.319	97496	3718.2	3.7	58.6	442359	10.461	ng/ml
Trazodone	5.151	58018	413.6	73.9	217.8	227994	10.646	ng/ml
Venlafaxine	5.118	52185	656.8	47.2	28.7	442236	9.640	ng/ml
Zolpidem	4.927	95877	248.9	32.7	527.5	419091	10.143	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 3 mdq.d
Type	Cal	**Sample**	cal 3 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-C1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 12:37:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	3189	6679.4	77.2	508.0	29649	2.331	ng/ml
7-aminoclonazepam	4.323	43136	1260.5	100.8	609.6	71059	25.907	ng/ml
a-hydroxyalprazolam	5.723	9459	35.9	54.0	101.4	19953	24.181	ng/ml
alpha-PHP	5.006	79793	5504.1	38.5	1424.2	114700	26.727	ng/ml
alpha-PVP	4.438	164873	322.4	51.3	906.1	300355	22.755	ng/ml
Alprazolam	5.796	54364	1089.8	118.2	517.7	85190	22.639	ng/ml
Amphetamine	3.156	497703	1997.9	45.3	641.5	304156	25.731	ng/ml
Buprenorphine	5.717	704	243.5	14.8	106.7	8167	2.670	ng/ml
Bupropion	4.857	91794	4725.0	70.0	3170.5	114700	25.322	ng/ml
Carisoprodol	5.752	19093	578.1	79.0	115.2	38970	24.067	ng/ml
Citalopram	5.297	55874	618.0	39.8	505.8	90335	25.998	ng/ml
Clonazepam	5.651	24792	188.2	27.3	41.7	16578	25.690	ng/ml
Cocaine	4.332	153658	6151.1	46.4	13185.7	436817	24.607	ng/ml
Codeine	2.685	24572	928.7	119.3	2477.6	54212	24.072	ng/ml
Cyclobenzaprine	5.669	54135	1269.9	7.8	111.2	61524	26.133	ng/ml
Dextromethorphan	5.341	72643	4710.2	76.2	104.0	136722	25.621	ng/ml
Dextrorphan	4.197	51224	2446.0	227.3	514.1	267126	24.476	ng/ml
Diazepam	5.973	21957	1207.7	89.1	411.8	42138	25.187	ng/ml
Dihydrocodeine	2.653	76020	537.8	58.0	2177.8	163295	25.836	ng/ml
Diphenhydramine	5.363	236914	4301.8	29.3	1572.0	484693	24.814	ng/ml
Doxylamine	4.610	550446	4775.9	98.0	586.9	849501	24.311	ng/ml
EDDP	5.331	87506	2011.7	220.1	3231.4	405005	23.813	ng/ml
Fentanyl	5.162	5356	275.6	72.5	7657.5	94399	2.547	ng/ml
Fluoxetine	5.750	42100	1581.0	7.3	1577.5	48158	29.055	ng/ml
Hydrocodone	3.107	95761	796.7	34.6	541.4	216579	25.527	ng/ml
Hydromorphone	1.697	80291	1888.4	67.8	1010.3	96446	24.679	ng/ml
Ketamine	4.117	84977	2600.5	39.4	456.2	142115	25.668	ng/ml
Lamotrigine	4.365	7683	328.4	91.8	1539.4	434176	26.762	ng/ml
Lorazepam	5.775	28734	701.8	47.4	125.1	96713	25.505	ng/ml
MDA	3.298	242724	1680.4	24.3	806.8	293994	26.025	ng/ml
MDMA	3.379	171556	847.5	93.7	10589.6	60699	25.276	ng/ml
Meprobamate	4.971	30449	491.8	30.2	347.2	39867	25.883	ng/ml
Methadone	5.698	119242	1138.1	57.7	1865.3	230360	23.752	ng/ml

AM #28 Multi-Drug Quant. Results

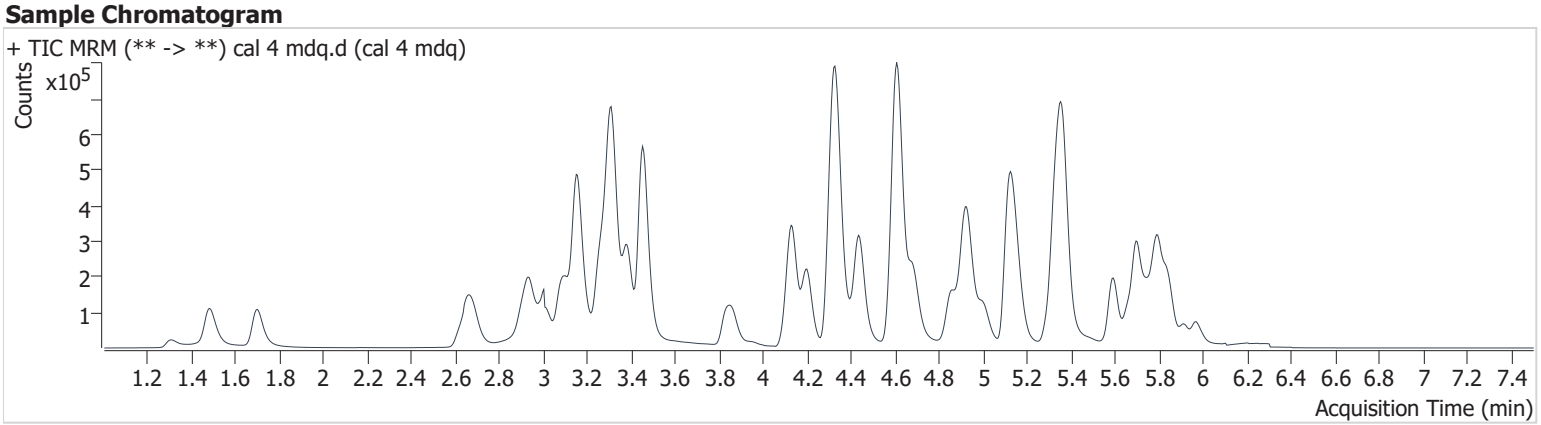
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	174411	761.7	234.5	1546.7	671995	25.223	ng/ml
Metoprolol	4.395	33841	993.2	94.3	1309.5	294166	26.061	ng/ml
Mirtazapine	4.682	146621	1572.0	45.3	630.6	230360	26.387	ng/ml
Mitragynine	5.291	9689	9628.6	30.7	2385.5	8167	26.234	ng/ml
Morphine	1.306	11246	1385.3	19.0	189.0	6368	24.543	ng/ml
Nordiazepam	5.917	19403	2220.0	62.7	1623.7	30514	23.735	ng/ml
Norfentanyl	4.158	5130	324.4	275.5	405.5	722498	2.297	ng/ml
Noroxycodone	3.010	85389	1490.7	42.8	915.7	118729	24.690	ng/ml
O-desmethyl-tramadol	3.455	373191	23704.0	7.0	595.1	855577	24.024	ng/ml
Oxazepam	5.782	42979	808.6	78.9	200.6	96713	24.463	ng/ml
Oxycodone	2.932	194821	1618.4	29.0	859.8	327684	24.257	ng/ml
Oxymorphone	1.479	104088	1703.6	44.1	2851.0	158523	24.701	ng/ml
Promethazine	5.591	69576	1394.5	38.3	719.0	117686	26.875	ng/ml
Quetiapine	5.577	39137	32602.6	57.6	5057.1	19359	27.845	ng/ml
Sertraline	5.813	15158	337.2	96.8	401.6	22109	26.992	ng/ml
Temazepam	5.844	63727	816.8	32.2	158.5	124118	24.871	ng/ml
Tramadol	4.319	414046	13556.8	3.4	260.0	782591	25.897	ng/ml
Trazodone	5.151	63915	566.3	72.0	700.6	107894	25.194	ng/ml
Venlafaxine	5.118	213376	12583.5	42.5	565.2	750653	22.531	ng/ml
Zolpidem	4.921	237213	2286.0	31.6	1763.3	434176	24.525	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 4 mdq.d
Type	Cal	**Sample**	cal 4 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-D1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 12:48:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	7281	4025.9	74.2	1690.2	32567	4.876	ng/ml
7-aminoclonazepam	4.323	121620	2211.7	96.6	2565.6	94468	56.100	ng/ml
a-hydroxyalprazolam	5.728	24516	502.1	64.0	376.9	25586	49.388	ng/ml
alpha-PHP	5.006	211151	22271.3	38.9	1832.2	152202	54.041	ng/ml
alpha-PVP	4.438	409424	7724.6	50.5	4272.9	362595	47.080	ng/ml
Alprazolam	5.796	147432	585.0	117.2	992.4	110661	47.224	ng/ml
Amphetamine	3.156	1084230	15047.9	42.8	9291.2	311322	55.636	ng/ml
Buprenorphine	5.722	1565	43.8	19.5	488.4	11740	4.315	ng/ml
Bupropion	4.857	239473	5115.7	69.8	1414.4	152202	50.218	ng/ml
Carisoprodol	5.752	55882	1910.3	76.1	571.4	56968	48.579	ng/ml
Citalopram	5.297	140119	3144.3	39.8	87.8	124352	47.717	ng/ml
Clonazepam	5.651	77224	495.5	30.2	20506.1	25902	51.832	ng/ml
Cocaine	4.332	363853	3213.3	45.4	20494.3	518051	49.513	ng/ml
Codeine	2.685	52093	1265.3	120.8	2589.3	57194	48.635	ng/ml
Cyclobenzaprine	5.669	145372	228843.7	7.9	123.2	87308	49.913	ng/ml
Dextromethorphan	5.341	157282	7459.3	78.3	8285.6	157782	48.292	ng/ml
Dextrorphan	4.197	111782	6631.6	223.2	12427.6	282119	50.907	ng/ml
Diazepam	5.968	65463	318.8	86.0	1076.2	61048	51.965	ng/ml
Dihydrocodeine	2.658	161518	2195.9	57.6	1304.1	170558	53.216	ng/ml
Diphenhydramine	5.368	587017	701.9	29.2	7907.8	610567	49.321	ng/ml
Doxylamine	4.610	1170544	4369.1	97.1	5038.9	884594	49.960	ng/ml
EDDP	5.331	216228	53344.7	218.0	23751.3	498610	47.764	ng/ml
Fentanyl	5.162	13675	128.4	79.6	57.6	129719	4.726	ng/ml
Fluoxetine	5.745	115238	1536.7	6.6	13001.0	74176	52.326	ng/ml
Hydrocodone	3.112	207133	989.7	34.9	794.7	234318	51.744	ng/ml
Hydromorphone	1.702	165326	1284.4	72.1	1724.2	102882	47.509	ng/ml
Ketamine	4.122	226048	6747.3	40.8	783.7	192985	50.819	ng/ml
Lamotrigine	4.365	21668	338.0	90.3	526.4	588330	56.534	ng/ml
Lorazepam	5.775	83552	461.7	47.3	125.0	141929	51.503	ng/ml
MDA	3.298	512410	17353.6	24.4	3639.2	302191	54.192	ng/ml
MDMA	3.384	362634	5189.7	92.9	26441.9	64717	50.828	ng/ml
Meprobamate	4.976	84235	1735.6	30.3	1758.8	53753	54.009	ng/ml
Methadone	5.698	297756	385.4	56.4	2299.3	293036	46.927	ng/ml

AM #28 Multi-Drug Quant. Results

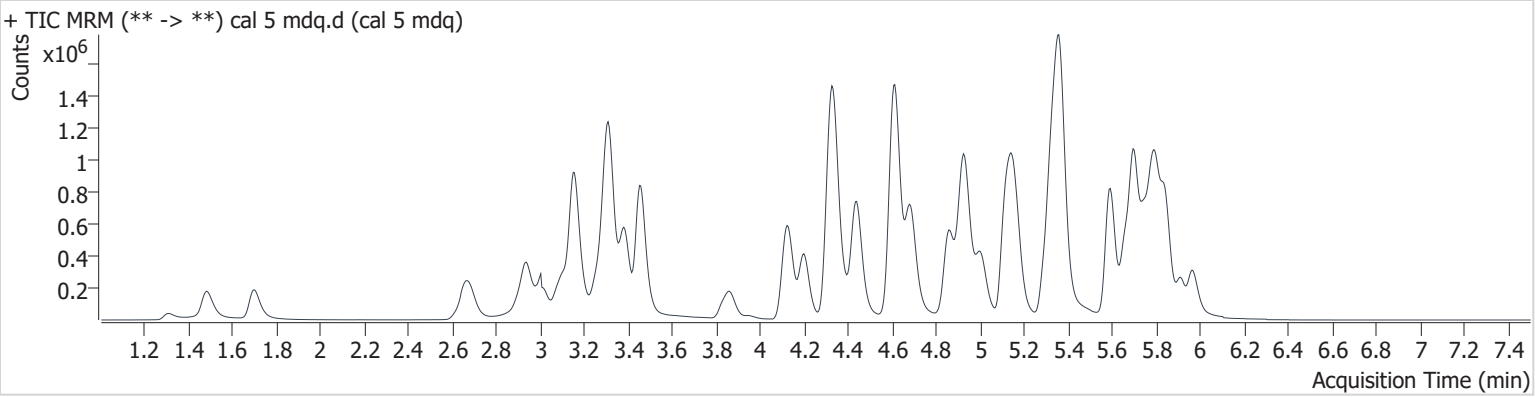
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	337394	1446.9	232.3	1601.1	684969	53.513	ng/ml
Metoprolol	4.395	69118	2231.3	94.7	3986.3	315562	51.286	ng/ml
Mirtazapine	4.682	377668	4168.2	48.0	4207.9	293036	53.344	ng/ml
Mitragynine	5.286	24807	1888.6	31.3	1111.3	11740	47.573	ng/ml
Morphine	1.306	24170	665.4	18.9	1043.1	6362	53.368	ng/ml
Nordiazepam	5.917	59286	9474.9	61.9	12463.9	43705	50.829	ng/ml
Norfentanyl	4.158	10934	472.2	273.1	284.0	741833	4.816	ng/ml
Noroxycodone	3.010	175825	1710.2	43.8	8346.5	120942	50.193	ng/ml
O-desmethyl-tramadol	3.455	795596	20436.2	6.9	5628.2	887973	49.308	ng/ml
Oxazepam	5.787	126627	296.6	76.1	490.5	141929	49.297	ng/ml
Oxycodone	2.932	430839	3525.5	28.5	1931.5	346765	51.088	ng/ml
Oxymorphone	1.479	222842	6504.8	43.5	5391.7	166760	50.682	ng/ml
Promethazine	5.596	187852	6101.9	40.8	4845.4	176662	48.631	ng/ml
Quetiapine	5.572	110014	133221.7	57.5	1403.1	30185	51.024	ng/ml
Sertraline	5.813	41990	329.7	100.0	34560.9	33814	49.598	ng/ml
Temazepam	5.844	191071	1215.6	31.7	560.9	189595	48.945	ng/ml
Tramadol	4.319	878732	82063.3	3.4	66.0	849387	51.174	ng/ml
Trazodone	5.151	181959	1368.5	74.2	1016.1	158797	49.023	ng/ml
Venlafaxine	5.118	465606	25256.4	43.5	4520.4	797285	45.771	ng/ml
Zolpidem	4.927	641898	945.6	32.1	671.2	588330	49.193	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 5 mdq.d
Type	Cal	**Sample**	cal 5 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-E1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 12:59:06 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	18025	25642.9	73.8	2295.8	40429	9.751	ng/ml
7-aminoclonazepam	4.323	327932	6256.8	95.6	4262.7	136480	105.597	ng/ml
a-hydroxyalprazolam	5.728	65710	757.7	62.0	1036.3	33869	100.516	ng/ml
alpha-PHP	5.006	801557	15807.3	38.5	22518.7	310451	101.218	ng/ml
alpha-PVP	4.438	1227830	15592.1	51.3	3671.6	500680	102.551	ng/ml
Alprazolam	5.802	419272	779.9	113.8	577.5	150967	98.404	ng/ml
Amphetamine	3.156	2105948	22705.9	43.1	7140.8	313854	107.908	ng/ml
Buprenorphine	5.722	11942	1204.1	15.7	259.8	41048	9.813	ng/ml
Bupropion	4.863	968956	12197.5	69.6	3535.1	310451	100.062	ng/ml
Carisoprodol	5.757	243376	6184.6	74.2	3473.5	123754	97.786	ng/ml
Citalopram	5.297	696162	1880.2	39.9	26260.1	293645	100.874	ng/ml
Clonazepam	5.651	408541	5144.7	30.6	90880.0	70075	101.951	ng/ml
Cocaine	4.337	936656	21551.6	46.2	4511.7	656324	101.001	ng/ml
Codeine	2.685	106452	1493.3	115.9	3702.6	56140	101.536	ng/ml
Cyclobenzaprine	5.669	780716	1393513.5	8.0	60769.4	241243	97.500	ng/ml
Dextromethorphan	5.341	505699	2189.0	76.3	270.4	246883	99.502	ng/ml
Dextrorphan	4.197	268077	23829.4	226.0	4529.5	352102	98.109	ng/ml
Diazepam	5.968	356721	1604.0	86.6	2569.2	174139	99.384	ng/ml
Dihydrocodeine	2.658	296677	2355.5	59.4	4694.8	162682	103.071	ng/ml
Diphenhydramine	5.368	2151733	78301.6	29.4	853.8	1141132	97.241	ng/ml
Doxylamine	4.610	2426407	1024.8	97.2	822.9	930111	98.784	ng/ml
EDDP	5.331	611883	8645.3	216.2	9838.1	680801	98.959	ng/ml
Fentanyl	5.162	76380	1141.3	70.9	1097.4	361123	9.474	ng/ml
Fluoxetine	5.745	686692	1645.4	7.4	48746.6	245386	94.965	ng/ml
Hydrocodone	3.107	440007	1552.9	35.9	1342.1	248697	104.273	ng/ml
Hydromorphone	1.697	348868	1648.5	71.7	1621.8	93480	110.155	ng/ml
Ketamine	4.117	820946	9791.6	39.2	2048.3	354478	101.026	ng/ml
Lamotrigine	4.365	63447	2020.5	93.6	24811.4	955081	102.592	ng/ml
Lorazepam	5.780	373386	11016.8	47.3	1465.4	306444	107.654	ng/ml
MDA	3.292	1136191	28701.3	24.5	718.3	335997	108.771	ng/ml
MDMA	3.384	798437	41842.7	91.2	1497.4	71408	102.155	ng/ml
Meprobamate	4.976	230739	315.4	29.4	476.3	79977	100.154	ng/ml
Methadone	5.698	1336356	63787.8	54.3	28623.5	629588	98.370	ng/ml

AM #28 Multi-Drug Quant. Results

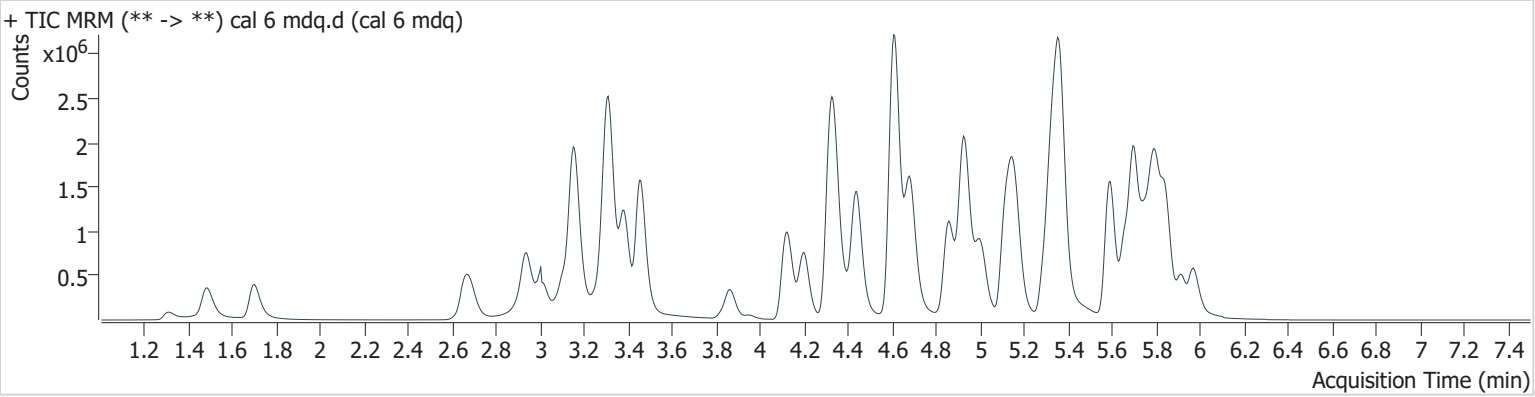
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.319	602439	∞	234.5	4974.9	681829	100.982	ng/ml
Metoprolol	4.395	146929	8857.6	93.1	235323.5	328760	106.562	ng/ml
Mirtazapine	4.682	1400705	3642.4	46.3	7397.3	629588	92.022	ng/ml
Mitragynine	5.286	167343	6275.3	31.9	7484.1	41048	92.793	ng/ml
Morphine	1.311	48781	3468.4	20.1	2053.7	6555	105.028	ng/ml
Nordiazepam	5.917	289090	33654.8	64.4	1320.5	113106	95.923	ng/ml
Norfentanyl	4.158	19014	1555.4	286.7	1574.6	654485	9.536	ng/ml
Noroxycodone	3.010	376866	1000.7	42.6	1304.2	129487	100.764	ng/ml
O-desmethyl-tramadol	3.455	1578201	58619.7	7.0	5160.8	881503	98.492	ng/ml
Oxazepam	5.787	537308	1463.4	76.6	614.5	306444	97.055	ng/ml
Oxycodone	2.932	917238	4963.5	28.7	1982.3	369548	102.422	ng/ml
Oxymorphone	1.479	431435	4145.4	44.0	2853.1	162194	101.280	ng/ml
Promethazine	5.591	1005926	140871.9	39.8	2937.1	488884	94.447	ng/ml
Quetiapine	5.577	515227	7421.1	58.4	42348.7	69919	104.208	ng/ml
Sertraline	5.813	294784	2806.5	101.0	225187.7	123659	96.017	ng/ml
Temazepam	5.844	928125	2138.3	31.6	2258.4	462443	97.605	ng/ml
Tramadol	4.319	1891615	57519.4	3.5	1235.6	937598	100.330	ng/ml
Trazodone	5.151	1022947	9850.8	74.1	7610.3	459592	95.516	ng/ml
Venlafaxine	5.123	1071802	37879.2	43.4	786.7	863710	96.708	ng/ml
Zolpidem	4.927	2101172	12823.1	31.3	2382.1	955081	99.413	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 6 mdq.d
Type	Cal	**Sample**	cal 6 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-F1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 1:09:54 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	43527	38082.0	69.7	1188.5	38020	25.084	ng/ml
7-aminoclonazepam	4.323	660297	4546.4	91.9	26765.7	113411	257.342	ng/ml
a-hydroxyalprazolam	5.723	136542	324.7	61.8	755.0	27856	254.723	ng/ml
alpha-PHP	5.006	1771860	94053.5	38.8	31510.6	277356	251.544	ng/ml
alpha-PVP	4.438	2781555	20419.1	51.5	20086.9	449728	259.034	ng/ml
Alprazolam	5.802	926976	598.9	112.1	2527.9	127676	257.194	ng/ml
Amphetamine	3.156	4691659	8962.7	44.6	6632.0	294212	257.513	ng/ml
Buprenorphine	5.722	25677	3127.0	15.8	1541.3	34863	25.360	ng/ml
Bupropion	4.857	2124178	25670.7	68.7	16164.5	277356	246.190	ng/ml
Carisoprodol	5.752	547682	20586.8	68.0	2746.3	105981	257.594	ng/ml
Citalopram	5.297	1457449	6560.5	40.8	58338.1	247473	251.228	ng/ml
Clonazepam	5.646	866642	30068.5	30.2	26745.5	58309	260.869	ng/ml
Cocaine	4.332	2003437	13993.5	45.5	1559.6	552520	257.210	ng/ml
Codeine	2.685	237053	2171.4	111.2	1236.9	50998	249.280	ng/ml
Cyclobenzaprine	5.669	1637610	62390.8	8.3	6955.0	199080	248.623	ng/ml
Dextromethorphan	5.336	1033142	54987.2	75.9	60778.7	204415	245.890	ng/ml
Dextrorphan	4.197	624917	731.0	224.4	68378.5	327233	246.556	ng/ml
Diazepam	5.973	802332	1139.7	86.9	977.5	160401	242.860	ng/ml
Dihydrocodeine	2.653	693708	9012.8	59.7	6168.3	153271	256.750	ng/ml
Diphenhydramine	5.363	4753471	377710.1	28.9	1420.3	985939	249.457	ng/ml
Doxylamine	4.610	5723355	80225.1	96.8	3553.8	873743	248.493	ng/ml
EDDP	5.331	1379004	2064.5	221.7	8597.7	613544	247.428	ng/ml
Fentanyl	5.157	166270	1471.7	73.5	4326.3	310110	24.006	ng/ml
Fluoxetine	5.745	1363858	271204.5	7.4	39047.2	199357	233.444	ng/ml
Hydrocodone	3.107	1007164	1043.3	35.7	1615.0	236014	252.504	ng/ml
Hydromorphone	1.697	824107	8743.2	71.9	8898.9	98364	247.122	ng/ml
Ketamine	4.117	1896704	28468.4	39.6	3917.6	332163	249.909	ng/ml
Lamotrigine	4.365	133133	3071.5	93.9	96325.0	877155	235.386	ng/ml
Lorazepam	5.775	738638	5229.3	47.0	1773.0	249962	262.491	ng/ml
MDA	3.292	2397756	2581.3	24.9	18613.6	299382	258.581	ng/ml
MDMA	3.379	1823248	183427.0	89.8	90963.8	68259	245.046	ng/ml
Meprobamate	4.971	507984	301.8	28.8	866.2	73014	242.733	ng/ml
Methadone	5.698	3008239	102851.3	52.8	85462.3	559370	249.717	ng/ml

AM #28 Multi-Drug Quant. Results

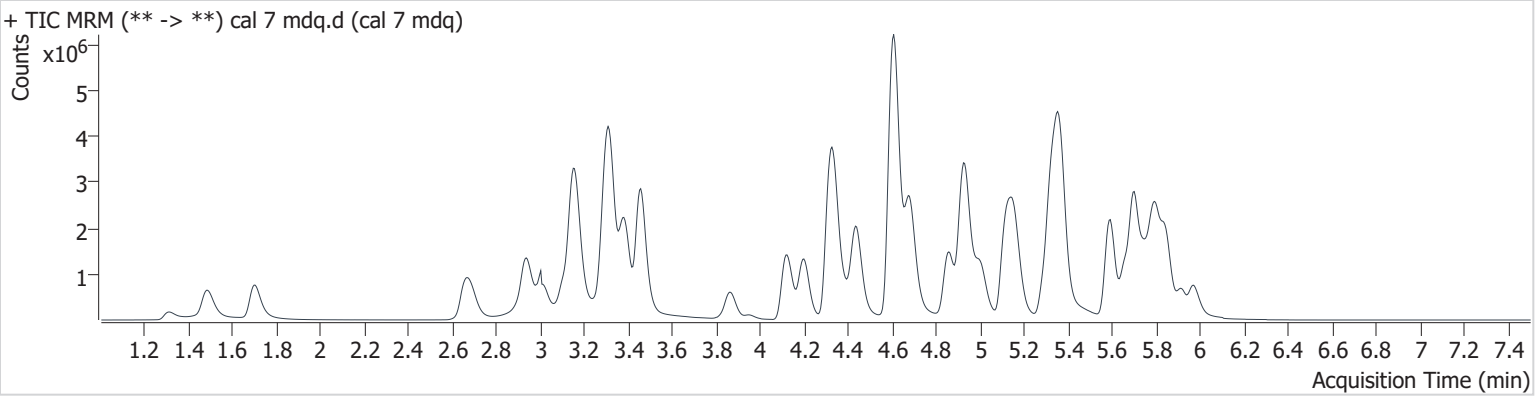
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	1324741	2034.0	235.1	2962.5	657401	238.360	ng/ml
Metoprolol	4.395	311644	153818.9	95.3	79382.6	315958	237.405	ng/ml
Mirtazapine	4.682	3236792	28394.2	47.0	36595.7	559370	239.205	ng/ml
Mitragynine	5.286	344806	292361.2	31.2	1045.9	34863	226.669	ng/ml
Morphine	1.306	109229	3123.2	20.4	809.7	6214	248.744	ng/ml
Nordiazepam	5.917	676495	119526.7	63.5	933620.7	101200	251.154	ng/ml
Norfentanyl	4.158	45092	220.9	275.5	364.9	597167	24.856	ng/ml
Noroxycodone	3.010	862753	1479.5	42.8	8848.0	122885	243.462	ng/ml
O-desmethyl-tramadol	3.457	3781891	293995.7	6.9	26987.2	838702	248.005	ng/ml
Oxazepam	5.787	1111379	15956.7	75.2	9846.2	249962	246.393	ng/ml
Oxycodone	2.932	2166695	11905.0	29.1	11269.2	358334	250.036	ng/ml
Oxymorphone	1.479	1023530	469.9	43.2	824.8	154509	252.820	ng/ml
Promethazine	5.591	2219391	147415.9	39.4	58094.5	424902	240.323	ng/ml
Quetiapine	5.572	1156748	11369.1	58.4	30837.5	64709	254.262	ng/ml
Sertraline	5.813	596323	206095.5	102.9	12134.5	98353	245.559	ng/ml
Temazepam	5.844	2163811	3014.9	31.3	7456.1	426410	246.987	ng/ml
Tramadol	4.319	4152070	249384.0	3.5	1173.4	840149	246.580	ng/ml
Trazodone	5.151	2247411	3897.5	75.0	4519.5	398710	242.366	ng/ml
Venlafaxine	5.118	2512805	154418.2	43.0	536.9	785294	248.595	ng/ml
Zolpidem	4.927	4897265	14657.4	30.6	6339.3	877155	252.624	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 7 mdq.d
Type	Cal	**Sample**	cal 7 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-G1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 1:20:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.217	81767	6800.5	74.2	2288.6	36649	48.911	ng/ml
7-aminoclonazepam	4.323	972135	34277.7	94.5	26488.1	92601	464.849	ng/ml
a-hydroxyalprazolam	5.723	226727	717.3	63.2	1191.9	23480	502.278	ng/ml
alpha-PHP	5.006	2355232	25465.1	39.0	20779.4	190542	487.402	ng/ml
alpha-PVP	4.438	4023660	18784.6	51.5	46425.3	342923	491.641	ng/ml
Alprazolam	5.802	1595065	47.4	111.2	3531.3	107849	523.880	ng/ml
Amphetamine	3.156	8432456	69122.5	45.2	148259.6	289573	470.890	ng/ml
Buprenorphine	5.722	30685	3225.8	16.4	2658.8	19827	53.660	ng/ml
Bupropion	4.857	2885624	241241.6	67.4	79632.6	190542	487.258	ng/ml
Carisoprodol	5.757	755597	37053.8	68.3	16389.2	76542	492.425	ng/ml
Citalopram	5.297	2052491	8317.8	40.7	902296.0	184242	475.606	ng/ml
Clonazepam	5.646	1083276	884.6	31.3	329572.3	37886	502.429	ng/ml
Cocaine	4.337	2966534	87477.9	45.2	62735.5	426096	494.210	ng/ml
Codeine	2.690	448931	2116.1	113.3	3583.0	47330	508.942	ng/ml
Cyclobenzaprine	5.663	2128228	155796.1	8.3	416.4	134612	478.329	ng/ml
Dextromethorphan	5.336	1635475	45126.2	75.3	1131.6	165139	482.070	ng/ml
Dextrorphan	4.197	1201590	61777.2	227.8	119731.5	315004	492.794	ng/ml
Diazepam	5.973	1098206	2444.9	87.3	11748.6	108040	493.653	ng/ml
Dihydrocodeine	2.653	1341629	5460.5	60.5	5015.5	158441	480.907	ng/ml
Diphenhydramine	5.368	6848851	2388.0	29.4	1355.0	728472	486.954	ng/ml
Doxylamine	4.606	11647488	198819.7	96.0	241472.4	869174	508.675	ng/ml
EDDP	5.331	2539668	18712.7	223.2	1642.9	579502	482.420	ng/ml
Fentanyl	5.157	209644	3959.8	74.0	12815.1	196697	47.713	ng/ml
Fluoxetine	5.745	1605864	82869.5	7.5	30095.5	120727	454.726	ng/ml
Hydrocodone	3.107	1841217	3135.3	36.0	2291.7	228588	477.234	ng/ml
Hydromorphone	1.702	1674338	20507.9	71.6	7570.6	101580	486.050	ng/ml
Ketamine	4.117	2987177	87573.3	38.9	6988.0	265742	492.509	ng/ml
Lamotrigine	4.365	212617	4575.5	91.6	3212.6	789275	418.372	ng/ml
Lorazepam	5.775	919408	75830.1	47.7	3543.5	176598	463.216	ng/ml
MDA	3.287	3929620	72825.0	25.3	59705.5	267746	474.441	ng/ml
MDMA	3.384	3515014	2741.8	86.3	121900.3	67545	478.109	ng/ml
Meprobamate	4.971	914182	1432272.8	28.2	19585.5	65299	489.304	ng/ml
Methadone	5.698	4791099	79483.0	50.8	33129.1	456293	487.857	ng/ml

AM #28 Multi-Drug Quant. Results

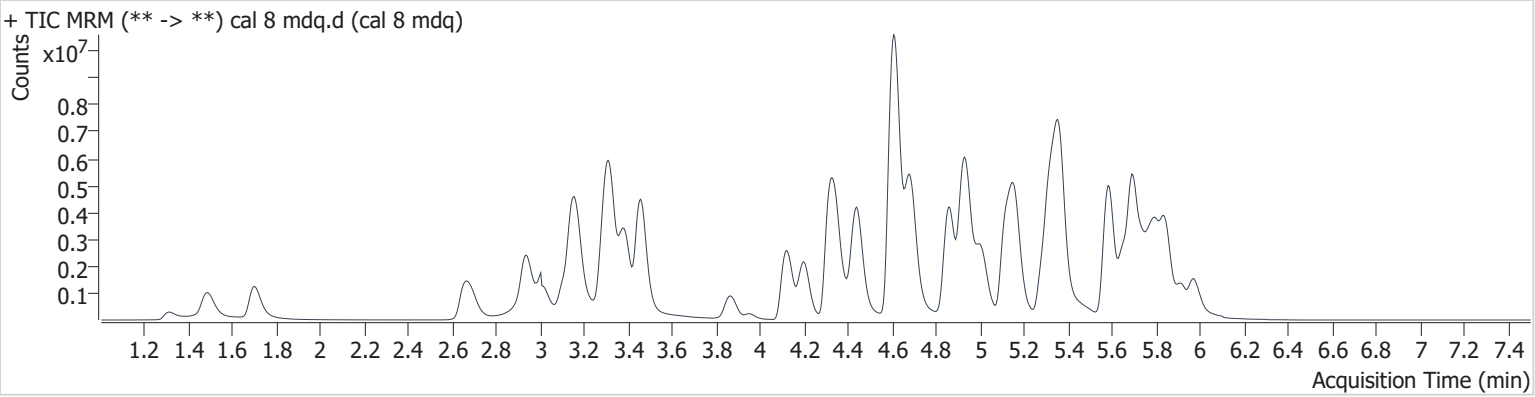
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.313	2458113	17652.5	239.6	29112.4	684731	429.547	ng/ml
Metoprolol	4.395	602256	81100.0	94.6	1033.4	336616	432.134	ng/ml
Mirtazapine	4.677	5410765	23686.3	46.4	20457.7	456293	490.106	ng/ml
Mitragynine	5.286	475261	498019.9	33.4	152284.2	19827	550.901	ng/ml
Morphine	1.311	230050	2138.6	18.7	714.4	6798	479.326	ng/ml
Nordiazepam	5.917	942261	1501081.8	61.7	4566.5	69568	509.061	ng/ml
Norfentanyl	4.158	90190	3349.9	276.7	1992.4	594912	49.948	ng/ml
Noroxycodone	3.010	1674003	2153.2	43.3	4007.5	119169	487.399	ng/ml
O-desmethyl-tramadol	3.458	7677668	10739.6	6.6	4062.2	823950	512.453	ng/ml
Oxazepam	5.787	1548239	15640.2	75.1	2231.2	176598	486.017	ng/ml
Oxycodone	2.932	4131674	12198.3	28.9	4592.3	348259	490.938	ng/ml
Oxymorphone	1.484	2022308	3403.3	43.9	1033.3	156822	492.535	ng/ml
Promethazine	5.591	3155775	308479.8	39.1	61696.7	302057	481.061	ng/ml
Quetiapine	5.572	1762619	1913573.5	59.2	29134.5	53901	465.977	ng/ml
Sertraline	5.813	676668	20036.0	102.9	480502.8	56389	486.866	ng/ml
Temazepam	5.844	3113352	197760.7	31.5	2947.0	312010	485.798	ng/ml
Tramadol	4.314	7443512	206815.2	3.3	399.7	736199	505.053	ng/ml
Trazodone	5.151	3084293	3465.6	73.8	55122.6	267137	496.767	ng/ml
Venlafaxine	5.119	4885967	243686.8	41.0	38475.3	730971	518.764	ng/ml
Zolpidem	4.927	8837468	27921.5	29.3	15077.7	789275	506.855	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 8 mdq.d
Type	Cal	**Sample**	cal 8 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-H1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 1:31:29 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.222	173453	12628.8	72.4	9415.8	37510	101.404	ng/ml
7-aminoclonazepam	4.318	1181021	16211.4	89.9	736.8	64879	806.798	ng/ml
a-hydroxyalprazolam	5.718	236891	1527.1	69.4	1603.6	12791	963.844	ng/ml
alpha-PHP	5.006	6050588	459010.9	38.4	76429.1	289504	824.629	ng/ml
alpha-PVP	4.438	9374096	24125.1	51.2	18995.1	370850	1059.441	ng/ml
Alprazolam	5.796	2442329	647.1	108.6	250.8	79994	1081.434	ng/ml
Amphetamine	3.156	12594298	146848.6	45.6	175180.6	253002	805.507	ng/ml
Buprenorphine	5.722	80645	5839.2	14.9	7527.5	20723	135.443	ng/ml
Bupropion	4.860	8872676	907505.5	64.2	42644.6	289504	986.536	ng/ml
Carisoprodol	5.752	1157043	9883.1	65.1	2681.5	55952	1031.950	ng/ml
Citalopram	5.287	3819546	32691.8	41.3	2328.9	164837	989.730	ng/ml
Clonazepam	5.635	1888605	24677.7	31.1	686453.3	37656	881.750	ng/ml
Cocaine	4.339	5282395	224800.1	45.0	187137.4	381717	982.711	ng/ml
Codeine	2.690	757270	1734.9	111.2	3003.1	39882	1019.085	ng/ml
Cyclobenzaprine	5.658	4722942	116007.7	8.6	12124.6	147098	971.935	ng/ml
Dextromethorphan	5.331	2359678	50854.1	76.2	123914.8	114920	999.748	ng/ml
Dextrorphan	4.197	2098864	215528.9	227.0	364792.0	264850	1024.126	ng/ml
Diazepam	5.973	2588622	2605.5	85.9	2115.9	126829	991.346	ng/ml
Dihydrocodeine	2.653	2293583	4283.0	60.4	17117.5	149247	873.298	ng/ml
Diphenhydramine	5.363	14277225	444531.5	28.9	36421.4	729070	1014.855	ng/ml
Doxylamine	4.604	21132596	654184.8	96.3	900266.8	793259	1011.533	ng/ml
EDDP	5.320	4347051	291143.1	226.3	7497.5	442340	1081.749	ng/ml
Fentanyl	5.157	537979	9294.9	76.5	5311.3	227207	105.988	ng/ml
Fluoxetine	5.739	3656843	2731086.8	7.6	354304.4	133427	937.874	ng/ml
Hydrocodone	3.107	3197413	1092.8	36.7	9429.3	203303	932.499	ng/ml
Hydromorphone	1.697	2951512	1170.9	72.7	18073.7	87269	997.165	ng/ml
Ketamine	4.120	6401231	34392.7	38.8	23133.0	298269	940.813	ng/ml
Lamotrigine	4.370	302538	11069.2	92.3	26065.7	753235	624.172	ng/ml
Lorazepam	5.770	1029195	4409.7	49.2	1694.6	108546	844.425	ng/ml
MDA	3.282	5023471	233878.5	25.3	51017.3	201643	805.821	ng/ml
MDMA	3.384	5791536	316095.8	84.9	430891.5	54281	981.022	ng/ml
Meprobamate	4.971	1208241	2008.7	27.4	11939.4	46858	901.929	ng/ml
Methadone	5.693	10694847	507050.0	47.9	98812.1	466012	1066.669	ng/ml

AM #28 Multi-Drug Quant. Results

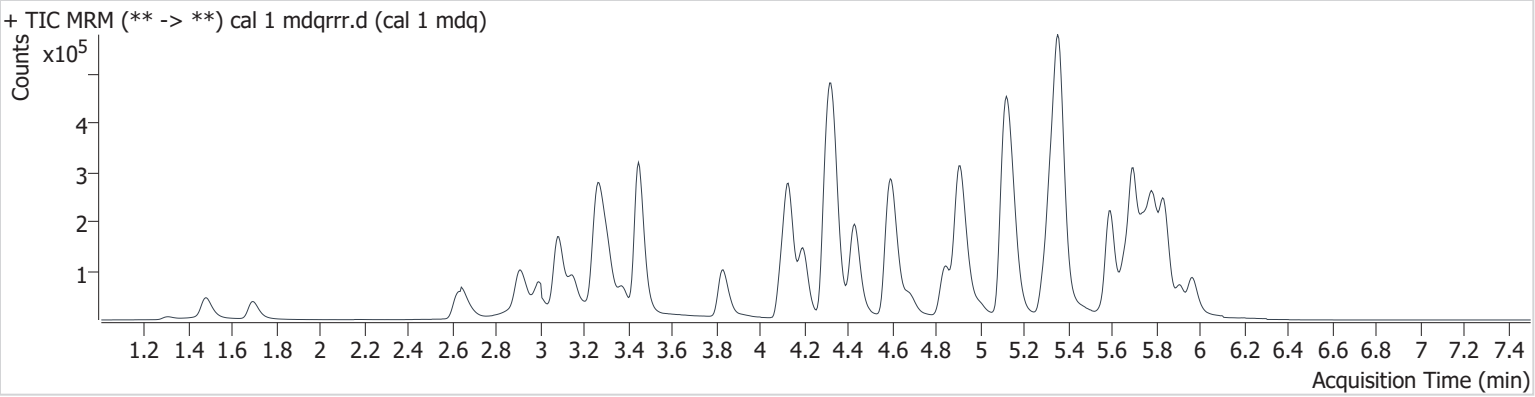
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.313	3909295	14616.8	244.7	36932.5	636985	738.803	ng/ml
Metoprolol	4.395	865306	1771417.5	94.0	271213.0	310707	673.676	ng/ml
Mirtazapine	4.682	11664710	64654.8	45.3	52319.2	466012	1034.455	ng/ml
Mitragynine	5.276	1275060	1544853.5	33.8	366809.9	20723	1415.834	ng/ml
Morphine	1.311	395925	1482.9	19.2	39572.8	5771	972.277	ng/ml
Nordiazepam	5.917	2022721	3232.2	61.7	891780.2	74826	1016.157	ng/ml
Norfentanyl	4.158	143449	5105.3	281.2	14393.0	416289	113.589	ng/ml
Noroxycodone	3.010	2798818	1301.6	43.4	10658.7	95522	1016.926	ng/ml
O-desmethyl-tramadol	3.455	13657698	1233031.6	6.5	98816.9	716037	1048.941	ng/ml
Oxazepam	5.777	2124408	50068.4	74.7	19401.7	108546	1085.207	ng/ml
Oxycodone	2.932	8097739	3447.2	27.7	2392.3	343239	976.630	ng/ml
Oxymorphone	1.484	3606473	35073.9	43.4	2787.1	141867	971.344	ng/ml
Promethazine	5.585	9188337	232252.1	36.7	76402.9	413836	1022.745	ng/ml
Quetiapine	5.562	3443637	2191250.2	59.5	8654.5	59030	832.074	ng/ml
Sertraline	5.807	1667684	54429.5	103.0	34996.1	71009	953.685	ng/ml
Temazepam	5.844	6750705	138145.9	30.6	15307.6	312008	1053.520	ng/ml
Tramadol	4.314	11827521	276988.8	3.3	986.2	637631	927.039	ng/ml
Trazodone	5.156	7161054	470965.4	74.5	19331.9	291236	1058.296	ng/ml
Venlafaxine	5.118	8704554	140252.0	40.1	19546.6	575307	1173.645	ng/ml
Zolpidem	4.927	16708056	39606.7	29.2	9687.9	753235	1004.319	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am28 110220rr\QuantResults\mdq.batch.bin
Calibration Last Update 11/4/2020 8:44:33 AM

Instrument	69679	**Data File**	cal 1 mdqrrr.d
Type	Cal	**Sample**	cal 1 mdq
Acq. Method	MDQP1 5-27-20.m	**Operator**	Anne Nord
Sample Position	P2-A1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/3/2020 1:52:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio		S/N	ISTD Resp.	Final Conc.	
6-MAM	3.217	904	452.9	72.3		585.8	39106	0.479	ng/ml
7-aminoclonazepam	4.323	18928	1292.3	98.4		633.3	146810	4.689	ng/ml
a-hydroxyalprazolam	5.723	3982	67.5	59.5		3793.7	39021	4.810	ng/ml
alpha-PHP	5.006	41777	5906.1	39.8		214.7	307250	4.623	ng/ml
alpha-PVP	4.438	64428	1568.7	51.1		153.3	513982	4.998	ng/ml
Alprazolam	5.796	24888	351.3	108.4		565.1	170763	5.198	ng/ml
Amphetamine	3.156	109734	931.3	45.0		708.5	319451	4.791	ng/ml
Buprenorphine	5.722	595	38.2	11.7	Low	97.0	43539	0.140	ng/ml
Bupropion	4.857	50047	748.4	70.0		500.7	307250	4.794	ng/ml
Carisoprodol	5.752	13917	361.9	74.9		103.8	131183	4.904	ng/ml
Citalopram	5.297	38516	534.0	39.7		449.7	320040	4.710	ng/ml
Clonazepam	5.646	23317	149.5	30.9		7632.5	73463	4.964	ng/ml
Cocaine	4.332	52659	313.1	45.5		2281.7	700878	4.955	ng/ml
Codeine	2.690	5640	1438.5	112.4		143.3	57374	5.017	ng/ml
Cyclobenzaprine	5.669	43054	966.2	9.1		53.3	252931	4.639	ng/ml
Dextromethorphan	5.341	28651	340.5	75.8		973.0	283893	4.660	ng/ml
Dextrorphan	4.197	14307	536.1	219.9		1321.8	354264	4.907	ng/ml
Diazepam	5.973	19532	634.3	85.8		301.0	188440	4.910	ng/ml
Dihydrocodeine	2.653	15293	346.2	58.2		421.7	159602	4.811	ng/ml
Diphenhydramine	5.363	122074	1571.9	29.1		2062.0	1202346	4.734	ng/ml
Doxylamine	4.610	125672	1072.4	97.9		1774.8	905393	4.973	ng/ml
EDDP	5.325	26577	990.9	237.7		2148.0	611413	4.815	ng/ml
Fentanyl	5.157	3766	128.6	85.0		2205.4	382365	0.448	ng/ml
Fluoxetine	5.745	39513	460.6	6.9		85.3	257048	4.377	ng/ml
Hydrocodone	3.107	23443	301.6	34.3		197.6	248635	4.886	ng/ml
Hydromorphone	1.697	16929	45.4	71.8		1532.6	102345	5.013	ng/ml
Ketamine	4.117	43898	1946.2	39.8		104.5	357662	4.824	ng/ml
Lamotrigine	4.360	3422	163.0	92.8		2412.6	960976	4.770	ng/ml
Lorazepam	5.775	21803	487.4	43.5		44.0	345893	4.635	ng/ml
MDA	3.292	59389	467.0	25.0		99.5	348968	4.806	ng/ml
MDMA	3.379	41728	819.2	94.8		383.7	69513	4.793	ng/ml
Meprobamate	4.971	12702	43.4	30.7		245.5	79969	4.704	ng/ml
Methadone	5.698	68604	1671.0	56.1		88.8	631487	4.737	ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Methamphetamine	3.314	56336	182.6	228.4	356.1	637686	4.438	ng/ml
Metoprolol	4.395	8356	438.1	88.5	607.8	313679	4.619	ng/ml
Mirtazapine	4.682	74204	1120.8	48.2	503.3	631487	4.941	ng/ml
Mitragynine	5.286	10903	8615.7	28.7	6068.0	43539	4.680	ng/ml
Morphine	1.311	2443	198.9	19.9	187.9	6212	5.077	ng/ml
Nordiazepam	5.912	16537	1123.4	63.0	275.9	122060	4.922	ng/ml
Norfentanyl	4.158	1127	56.2	257.7	116.2	677432	0.504	ng/ml
Noroxycodone	3.010	18644	251.0	43.3	740.2	126296	4.847	ng/ml
O-desmethyl-tramadol	3.455	81542	1084.8	6.7	267.9	888320	5.086	ng/ml
Oxazepam	5.787	32085	511.4	75.8	326.6	345893	4.962	ng/ml
Oxycodone	2.932	45224	662.9	28.5	297.5	355548	4.903	ng/ml
Oxymorphone	1.484	22566	393.9	44.2	437.2	162340	4.915	ng/ml
Promethazine	5.591	58791	127.1	39.5	190.6	544576	4.607	ng/ml
Quetiapine	5.572	27718	11251.3	58.2	5576.0	71249	4.530	ng/ml
Sertraline	5.807	15800	375.7	98.8	15751.8	117645	4.584	ng/ml
Temazepam	5.844	50621	425.3	31.2	76.4	493752	4.860	ng/ml
Tramadol	4.314	101428	2129.5	3.4	78.3	939271	4.839	ng/ml
Trazodone	5.151	57739	703.0	69.2	452.2	481432	4.854	ng/ml
Venlafaxine	5.118	54946	2835.0	42.5	595.7	898172	5.234	ng/ml
Zolpidem	4.921	110521	2202.3	31.1	418.3	960976	4.991	ng/ml