










**REVIEWED**

By Anne Nord at 7:57 am, Jul 22, 2020

7/16/2020 *BW*

**Worklist: 4366**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-1186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1207	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1227	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1235	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-1243	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1244	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1254	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1257	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1282	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1292	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1297	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1298	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1319	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-1323	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1330	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1356	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1357	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1358	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1360	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1390	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-1403	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**AM# 28: Multi-Drug Quantitation by LC-MS/MS**Extraction Date 7/16/2020Analyst: Britany WyliePlate lot#: 200513Plate Expiration: 11/13/2020**Mobile phase A:** 5mM Amm Form + 0.01% FA  
0.5M Ammonium Hydroxide**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate 20% Methanol in Water**Blank Blood Lot:** 20A52255**Urine Blank lot:** 6920**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. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

**Post-Analytic**

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> 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: Not evaluated: norhydrocodone, benzoylcegonine and phentermine

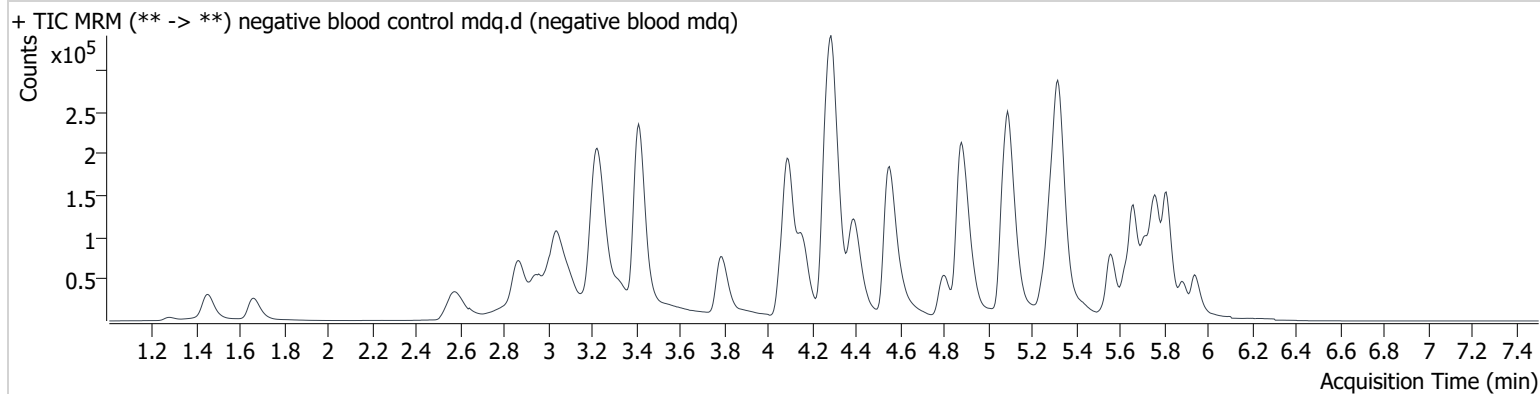
*Curves limited to-* (5-500) lorazepam, metoprolol, MDA; (1-100) Buprenorphine, Norbuprenorphine; (5-250) Lamotrigine

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood control mdq.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 6:12:44 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

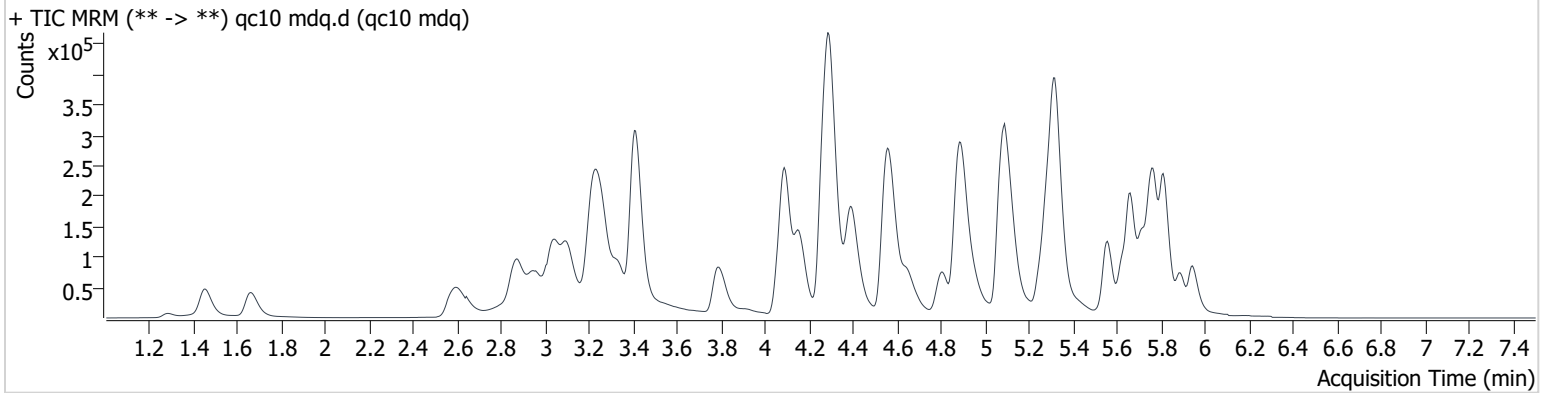


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc10 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc10 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 6:34:18 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.182	1789	2274.3	77.8	7462.4	38443	1.084 ng/ml
7-aminoclonazepam	4.297	41854	4191.0	101.8	1614.2	166740	10.033 ng/ml
a-hydroxyalprazolam	5.697	7070	1842.9	60.7	20186.1	38671	10.062 ng/ml
alpha-PHP	4.959	22833	507.2	267.3	7096.4	445093	9.731 ng/ml
alpha-PVP	4.397	109202	13466.4	47.1	2726.4	445093	10.214 ng/ml
Alprazolam	5.776	40869	1679.7	123.9	1889.6	163477	10.716 ng/ml
Amphetamine	3.105	160613	1238.2	51.1	3568.2	289366	10.018 ng/ml
Benzoylcegonine NE	3.915	5378	3371.1	7.2	218.5	10477	13.954 ng/ml
Buprenorphine	5.696	663	637.1	17.0	∞	22050	1.246 ng/ml
Bupropion	4.816	59906	14874.5	64.4	5484.3	200537	10.095 ng/ml
Carisoprodol	5.726	26908	6721.1	78.3	1191.4	140651	9.472 ng/ml
Citalopram	5.250	48481	335.9	39.6	85374.2	221124	10.052 ng/ml
Clonazepam	5.620	42719	8892.3	30.1	41758.0	68259	10.284 ng/ml
Cocaine	4.296	95760	14457.0	43.3	60337.8	686083	10.283 ng/ml
Codeine	2.634	9769	668.0	115.4	1343.0	54504	9.824 ng/ml
Cyclobenzaprine	5.632	33560	169523.8	8.4	11376.2	105157	11.034 ng/ml
Dextromethorphan	5.300	32739	6477.5	78.8	17322.5	161432	10.441 ng/ml
Dextrorphan	4.156	25938	15670.1	220.4	13385.5	324768	9.884 ng/ml
Diazepam	5.947	34146	5456.8	88.4	6642.9	158514	10.235 ng/ml
Dihydrocodeine	2.607	27565	1910.0	57.1	13196.2	5585	10.044 ng/ml
Diphenhydramine	5.321	157309	12421.0	27.4	8933.2	781757	10.546 ng/ml
Doxylamine	4.569	217465	17084.0	102.7	54924.9	905373	9.986 ng/ml
EDDP	5.289	34676	15597.8	226.1	20595.8	405265	9.950 ng/ml
Fentanyl	5.121	3783	227.5	77.1	19006.8	188850	1.003 ng/ml
Fluoxetine	5.714	30019	90898.7	6.9	1281.2	93883	11.404 ng/ml
Hydrocodone	3.071	43613	11470.4	36.3	1066.6	241558	9.655 ng/ml
Hydromorphone	1.667	36067	8721.2	67.0	362.1	110545	10.083 ng/ml
Ketamine	4.081	81504	7964.3	37.9	1010.5	342681	10.006 ng/ml
Lamotrigine	4.324	7299	617.6	87.6	17829.1	310592	10.763 ng/ml
Lorazepam	5.749	36608	5887.0	52.7	192.4	314513	10.513 ng/ml
MDA	3.246	110224	670.0	21.3	137.3	310592	10.677 ng/ml
MDMA	3.338	79159	251.7	80.7	1287.3	65109	10.781 ng/ml
Meprobamate	4.940	25891	8913.2	30.0	1203.2	95758	10.025 ng/ml

NE- Not evaluated (Benzoylcegonine, phentermine and norhydrocodone)

OCR - Outside curve range

# AM #28 Multi-Drug Quant. Results

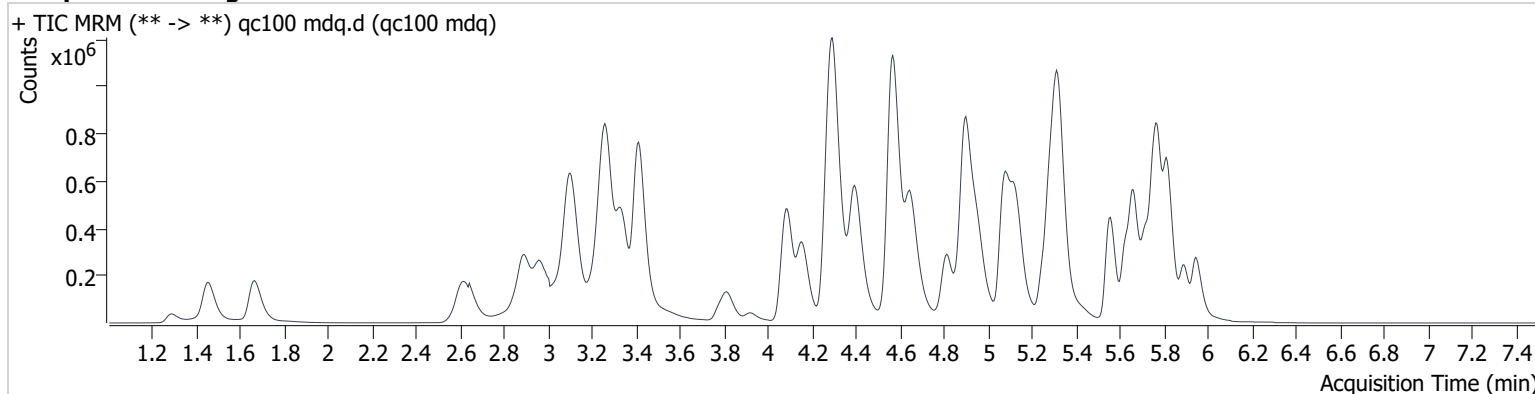
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	75893	496551.9	55.5	8681.0	368299	10.808 ng/ml
Methamphetamine	3.273	143820	∞	42.8	∞	579335	9.730 ng/ml
Metoprolol	4.354	14534	17723.2	91.5	1215.7	905373	10.465 ng/ml
Mirtazapine	4.651	112437	3294.0	49.6	6873.3	368299	10.335 ng/ml
Mitragynine	5.250	13423	95917.5	30.0	22182.6	368299	10.103 ng/ml
Morphine	1.286	3825	5326.5	24.4	1384.4	5585	8.731 ng/ml
Norbuprenorphine	5.017	106	748.6	180.9 High	1237.1	4397	0.939 ng/ml
Nordiazepam	5.891	31702	68847.1	58.0	44248.6	112024	10.437 ng/ml
Norfentanyl	4.112	1654	502.5	314.6	388.3	612493	0.942 ng/ml
Norhydrocodone NE	3.117	2088	463.0	14.5	1698.1	68842	10.255 ng/ml
Noroxycodone	2.964	38835	1900.1	38.2	95.5	125994	10.039 ng/ml
O-desmethyl-tramadol	3.409	166448	24227.8	5.7	1649.3	920079	10.458 ng/ml
Oxazepam	5.756	54028	3552.0	76.0	617.6	314513	9.705 ng/ml
Oxycodone	2.891	87305	3903.6	28.3	5401.1	375510	9.974 ng/ml
Oxymorphone	1.454	44225	12914.8	43.9	16663.1	159059	9.992 ng/ml
Phentermine NE	3.821	18531	153.9	11.1	192.5	296199	9.299 ng/ml
Promethazine	5.559	49441	44397.4	35.8	1087.1	229657	10.877 ng/ml
Quetiapine	5.541	45601	89735.0	54.6	18518.1	53753	10.391 ng/ml
Sertraline	5.776	12197	2059.9	104.1	100029.6	45946	11.243 ng/ml
Temazepam	5.818	92210	5625.5	31.3	914.3	451867	9.613 ng/ml
Tramadol	4.278	199743	19680.0	2.9	325.4	942668	10.152 ng/ml
Trazodone	5.126	83464	279317.3	70.5	3865.8	359356	10.821 ng/ml
Venlafaxine	5.071	111001	3035.4	43.5	2737.4	699984	11.409 ng/ml
Zolpidem	4.896	197788	8388.6	33.1	3874.6	928442	9.985 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 6:45:08 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.177	17315	67465.1	82.0	4849.8	38865	10.152 ng/ml
7-aminoclonazepam	4.297	381317	8582.8	96.5	19646.9	148528	104.022 ng/ml
a-hydroxyalprazolam	5.697	65526	11538.7	60.1	1076.5	34306	108.577 ng/ml
alpha-PHP	4.959	221937	6979.4	259.5	13421.2	412277	103.685 ng/ml
alpha-PVP	4.397	1050935	73378.9	47.5	28705.7	412277	103.062 ng/ml
Alprazolam	5.776	404788	17167.0	119.3	1273.1	153005	96.164 ng/ml
Amphetamine	3.105	1619160	48906.1	45.8	18077.5	263295	114.459 ng/ml
Benzoylecgonine NE	3.920	64000	4950.1	7.1	18289.4	7927	176.773 ng/ml
Buprenorphine	5.696	5710	2633.9	16.3	4467.0	19834	9.491 ng/ml
Bupropion	4.816	570593	50832.5	65.7	24383.1	187083	105.804 ng/ml
Carisoprodol	5.726	264842	23078.4	72.5	2748.4	134842	98.981 ng/ml
Citalopram	5.256	415809	14842.2	41.3	2167.0	181981	100.713 ng/ml
Clonazepam	5.620	403377	210338.1	30.9	7331.5	65847	104.194 ng/ml
Cocaine	4.296	873218	630953.2	43.9	149115.8	613724	106.481 ng/ml
Codeine	2.634	103773	4121.6	114.9	5843.8	52140	104.434 ng/ml
Cyclobenzaprine	5.632	283533	1044863.7	9.3	103180.4	91393	103.990 ng/ml
Dextromethorphan	5.294	271004	492034.0	80.9	3551.9	135036	102.096 ng/ml
Dextrophan	4.156	247588	83789.3	217.9	39879.7	295207	103.134 ng/ml
Diazepam	5.947	330933	37521.4	87.2	62582.9	149178	107.591 ng/ml
Dihydrocodeine	2.607	292544	49092.7	59.8	6906.4	5500	106.460 ng/ml
Diphenhydramine	5.321	1355438	32371.3	28.0	151162.4	668845	102.634 ng/ml
Doxylamine	4.564	2167859	83704.2	101.9	19019.0	868625	101.550 ng/ml
EDDP	5.289	406546	30497.1	225.9	76198.3	463995	102.777 ng/ml
Fentanyl	5.115	33796	3931.9	76.3	113702.1	165492	10.498 ng/ml
Fluoxetine	5.714	224253	21872.1	7.3	117827.6	77279	107.105 ng/ml
Hydrocodone	3.066	417221	7745.3	37.0	4220.0	237439	110.969 ng/ml
Hydromorphone	1.662	374160	21735.2	70.8	55913.7	112781	101.439 ng/ml
Ketamine	4.081	801474	46672.6	38.5	4958.3	330101	107.356 ng/ml
Lamotrigine	4.324	69916	23080.2	85.5	6886.0	277366	116.556 ng/ml
Lorazepam	5.749	312552	18970.5	52.5	5114.0	281846	102.202 ng/ml
MDA	3.246	1028490	10618.4	22.8	4357.2	277366	112.556 ng/ml
MDMA	3.338	767422	311496.3	81.6	1202.9	64464	111.540 ng/ml
Meprobamate	4.940	240080	112015.9	31.8	23464.1	91133	100.528 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	650853	132586.8	55.8	74914.3	313208	101.337 ng/ml
Methamphetamine	3.267	1049360	19789.1	40.8	873.4	495925	111.904 ng/ml
Metoprolol	4.354	134339	7325.8	91.2	35150.6	868625	108.391 ng/ml
Mirtazapine	4.646	1068357	12142.1	49.1	35282.3	313208	109.122 ng/ml
Mitragynine	5.244	127603	9956.8	30.3	8507.3	313208	111.890 ng/ml
Morphine	1.286	43627	6176.2	23.9	4664.2	5500	102.205 ng/ml
Norbuprenorphine	5.017	895	1828.6	94.4	440.1	3801	12.051 ng/ml
Nordiazepam	5.891	300822	1926898.5	61.0	28654.1	103519	107.163 ng/ml
Norfentanyl	4.117	17067	20782.5	294.9	1900.9	575071	9.844 ng/ml
Norhydrocodone NE	3.117	17350	2532.1	15.8	1270.8	57524	107.763 ng/ml
Noroxycodone	2.964	390748	8308.1	39.8	30727.8	107251	127.884 ng/ml
O-desmethyl-tramadol	3.409	1700140	46136.0	6.2	5677.2	896144	101.397 ng/ml
Oxazepam	5.756	492661	31558.7	75.1	17549.1	281846	103.487 ng/ml
Oxycodone	2.886	877181	5178.6	29.3	6944.0	360047	104.861 ng/ml
Oxymorphone	1.449	451398	31744.9	44.2	5268.8	157858	109.750 ng/ml
Phentermine NE	3.816	198895	2002.8	9.1	2051.4	271235	108.577 ng/ml
Promethazine	5.559	441930	33847.6	37.0	14498.5	208249	102.460 ng/ml
Quetiapine	5.541	431122	6257455.4	52.7	32387.3	49402	116.156 ng/ml
Sertraline	5.776	89839	14194.5	105.0	310525.6	36597	103.193 ng/ml
Temazepam	5.818	899247	45307.3	31.7	9071.6	423289	101.596 ng/ml
Tramadol	4.273	1895262	198156.0	3.3	3241.6	899354	104.158 ng/ml
Trazodone	5.126	796559	4618523.9	72.5	16980.0	326997	96.459 ng/ml
Venlafaxine	5.071	1068805	41833.0	42.5	26564.5	636500	106.296 ng/ml
Zolpidem	4.896	1990806	34689.8	33.0	26971.7	916007	102.499 ng/ml

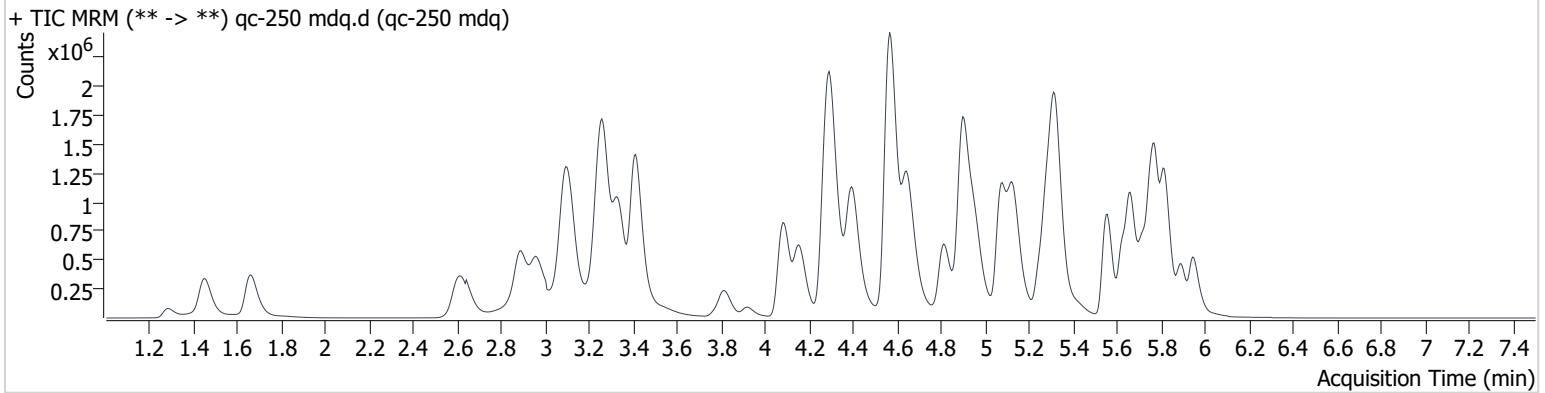
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 6:55:57 PM		

**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.171	41734	36841.4	77.7	194923.0	36861	25.760 ng/ml
7-aminoclonazepam	4.297	708570	7386.0	99.0	12108.7	122265	235.007 ng/ml
a-hydroxyalprazolam	5.697	138109	10728.2	57.9	14064.0	30680	256.384 ng/ml
alpha-PHP	4.959	504020	5541.4	254.9	43020.5	386677	251.296 ng/ml
alpha-PVP	4.397	2350827	63733.3	48.6	8986.1	386677	245.349 ng/ml
Alprazolam	5.776	898661	34125.3	114.7	8071.7	131871	244.872 ng/ml
Amphetamine	3.100	3598410	58838.1	46.0	31752.7	255692	262.379 ng/ml
Benzoylcegonine <sup>NE</sup>	3.915	170221	36802.1	7.4	800.1	9834	375.700 ng/ml
Buprenorphine	5.696	12693	27540.8	16.1	14492.8	17037	24.107 ng/ml
Bupropion	4.811	1391983	52418.2	65.7	168706.3	190686	253.650 ng/ml
Carisoprodol	5.726	566840	101851.4	71.8	13859.8	116982	244.467 ng/ml
Citalopram	5.256	957129	8867.6	40.2	1909058.5	171300	245.661 ng/ml
Clonazepam	5.620	883988	155269.3	29.8	1358189.2	58367	258.195 ng/ml
Cocaine	4.296	1914250	42333.1	43.6	344585.9	553087	259.276 ng/ml
Codeine	2.629	240764	23458.9	111.6	4289.6	48963	257.340 ng/ml
Cyclobenzaprine	5.632	601948	47596.6	9.1	50807.2	80684	249.549 ng/ml
Dextromethorphan	5.294	589113	80314.2	79.0	2077266.9	119664	250.246 ng/ml
Dextrorphan	4.156	559730	9685.3	220.4	1365368.7	279038	246.573 ng/ml
Diazepam	5.947	733287	36776.4	87.0	61118.5	138535	257.044 ng/ml
Dihydrocodeine	2.602	669003	33785.8	58.8	65664.9	5118	261.364 ng/ml
Diphenhydramine	5.321	3147586	545761.2	28.1	131358.3	654466	243.031 ng/ml
Doxylamine	4.564	5224649	98230.5	99.4	611443.3	860551	246.700 ng/ml
EDDP	5.289	807682	77385.6	228.3	692380.9	386674	245.148 ng/ml
Fentanyl	5.116	77528	7027.8	75.6	7426.0	155731	25.634 ng/ml
Fluoxetine	5.709	409340	1215677.4	7.4	173631.4	61853	244.837 ng/ml
Hydrocodone	3.061	948464	3152.0	36.1	6869.5	223614	270.615 ng/ml
Hydromorphone	1.657	858661	124272.3	67.1	20741.4	105627	248.389 ng/ml
Ketamine	4.081	1833569	118090.2	39.3	21682.2	322524	252.131 ng/ml
Lamotrigine	4.324	140149	18807.6	88.6	89035.4	255671	253.600 ng/ml
Lorazepam	5.749	609052	19512.1	50.0	4907.4	231746	242.537 ng/ml
MDA	3.241	2274280	937.8	23.0	152.0	255671	270.159 ng/ml
MDMA	3.333	1773717	192013.5	80.0	76185.3	59300	281.279 ng/ml
Meprobamate	4.940	533116	283209.2	30.4	23993.5	81716	249.436 ng/ml



# AM #28 Multi-Drug Quant. Results

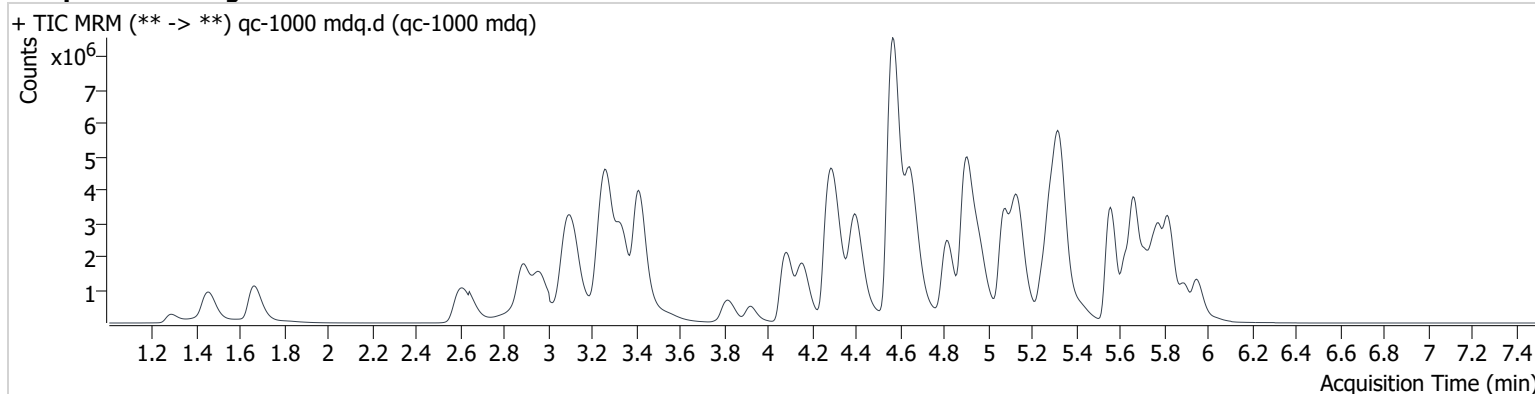
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	1511702	33511.7	55.2	34852.8	305419	240.210 ng/ml
Methamphetamine	3.267	2134416	∞	42.2	4837.2	483569	237.612 ng/ml
Metoprolol	4.354	287966	173142.8	92.7	58082.8	860551	235.543 ng/ml
Mirtazapine	4.646	2524912	140338.9	48.4	43847.6	305419	263.583 ng/ml
Mitragynine	5.244	267122	33863.3	33.2	∞	305419	240.085 ng/ml
Morphine	1.286	100005	11399.2	23.4	12729.6	5118	251.914 ng/ml
Norbuprenorphine	5.022	1793	4936.2	105.5	3453.0	3594	25.888 ng/ml
Nordiazepam	5.891	650898	3221635.8	60.5	29623.9	94128	255.003 ng/ml
Norfentanyl	4.112	38445	19402.4	302.0	7210.0	525497	24.190 ng/ml
Norhydrocodone NE	3.117	32458	3962.9	17.1 High	988.9	44556	261.195 ng/ml
Noroxycodone	2.959	860889	70663.4	40.3	10227.9	112494	269.556 ng/ml
O-desmethyl-tramadol	3.409	3964347	127362.8	6.3	46022.2	856265	246.189 ng/ml
Oxazepam	5.756	998542	34096.8	74.4	4673.6	231746	255.851 ng/ml
Oxycodone	2.886	2049590	26175.6	28.7	13987.5	349582	252.400 ng/ml
Oxymorphone	1.449	1025438	22370.4	43.8	65902.8	150805	262.016 ng/ml
Phentermine NE	3.816	478812	9554.8	8.6	8350.5	271778	260.809 ng/ml
Promethazine	5.554	937885	68518.9	37.5	110068.2	184099	245.218 ng/ml
Quetiapine	5.541	1013939	2859274.3	54.2	61235.1	50717	267.386 ng/ml
Sertraline	5.776	163211	11994.6	104.7	1115598.6	29175	235.049 ng/ml
Temazepam	5.818	1991751	18250.3	32.3	16709.5	390353	244.238 ng/ml
Tramadol	4.273	4210285	73765.7	3.4	8186.1	857410	243.180 ng/ml
Trazodone	5.126	1878757	17138.9	73.5	788904.6	311452	236.212 ng/ml
Venlafaxine	5.071	2554639	1015467.3	41.1	58254.9	614200	261.056 ng/ml
Zolpidem	4.896	4602082	42652.2	32.0	56240.8	874323	248.338 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-1000 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-1000 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 7:06:45 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.177	157935	466646.2	73.8	22685.9	34672	103.556 ng/ml
7-aminoclonazepam	4.308	1268774	33471.1	89.6	112211.0	52965	971.881 ng/ml
a-hydroxyalprazolam	5.697	293241	10156.5	59.6	4114.4	16960	985.785 ng/ml
alpha-PHP	4.959	1828071	22453.3	253.0	139445.9	325574	1083.052 ng/ml
alpha-PVP	4.397	8160373	1551198.2	49.6	127106.9	325574	1010.496 ng/ml
Alprazolam	5.776	2403374	10151.7	113.2	57145.7	81298	1056.266 ng/ml
Amphetamine	3.100	9951540	916436.3	46.8	91091.5	229071	810.663 ng/ml
Benzoylcegonine <b>NE</b>	3.920	1041989	144076.8	7.6	21863.5	9102	2468.546 ng/ml
Buprenorphine	5.701	48646	60736.7	15.9	29388.3	14522	107.402 ng/ml
Bupropion	4.816	5785620	200622.7	64.9	171623.6	200879	1001.647 ng/ml
Carisoprodol	5.726	1302960	27798.2	67.2	27929.6	66604	987.547 ng/ml
Citalopram	5.250	2829598	35478.4	40.5	33659.0	123213	1008.369 ng/ml
Clonazepam	5.620	1824173	1869873.3	32.0	2480475.8	37955	820.215 ng/ml
Cocaine	4.296	5242551	1160680.3	43.9	333248.1	377756	1040.198 ng/ml
Codeine	2.634	783572	22762.3	110.8	22002.3	35779	1144.548 ng/ml
Cyclobenzaprine	5.627	2740458	6155047.2	9.0	9634.3	86887	1053.787 ng/ml
Dextromethorphan	5.294	1898732	1090066.9	76.9	8526491.9	92503	1042.942 ng/ml
Dextrorphan	4.156	1888198	1259288.7	219.7	406616.7	238661	972.312 ng/ml
Diazepam	5.952	2276415	42378.8	87.8	145424.4	108057	1023.739 ng/ml
Dihydrocodeine	2.592	2338229	34916.6	62.5	86969.4	4784	976.718 ng/ml
Diphenhydramine	5.326	11552375	2072554.1	28.9	98838.3	569937	1023.003 ng/ml
Doxylamine	4.564	20507782	3529675.1	96.5	2181464.6	796177	1045.879 ng/ml
EDDP	5.289	3323125	13918707.5	232.8	39452.8	389477	1001.675 ng/ml
Fentanyl	5.121	344490	32639.7	75.8	17016.9	163601	108.520 ng/ml
Fluoxetine	5.714	1936125	11432140.4	7.7	770701.1	72531	988.920 ng/ml
Hydrocodone	3.061	2866776	9314.6	38.6	3072.8	195108	942.249 ng/ml
Hydromorphone	1.662	2960600	91796.5	74.1	5792.8	92952	972.864 ng/ml
Ketamine	4.081	6207196	157290.2	38.2	27496.0	285230	966.743 ng/ml
Lamotrigine <b>OCR</b>	4.329	261495	13267.8	89.8	1124872.2	172638	700.955 ng/ml
Lorazepam <b>OCR</b>	5.744	830207	19165.7	50.9	14207.7	113396	676.082 ng/ml
MDA <b>OCR</b>	3.231	5042298	93403.4	24.0	27314.7	172638	887.292 ng/ml
MDMA	3.333	5210506	300106.7	79.7	142169.6	47743	1028.121 ng/ml
Meprobamate	4.935	1181052	3565965.6	27.9	20934.3	47656	948.436 ng/ml

# AM #28 Multi-Drug Quant. Results

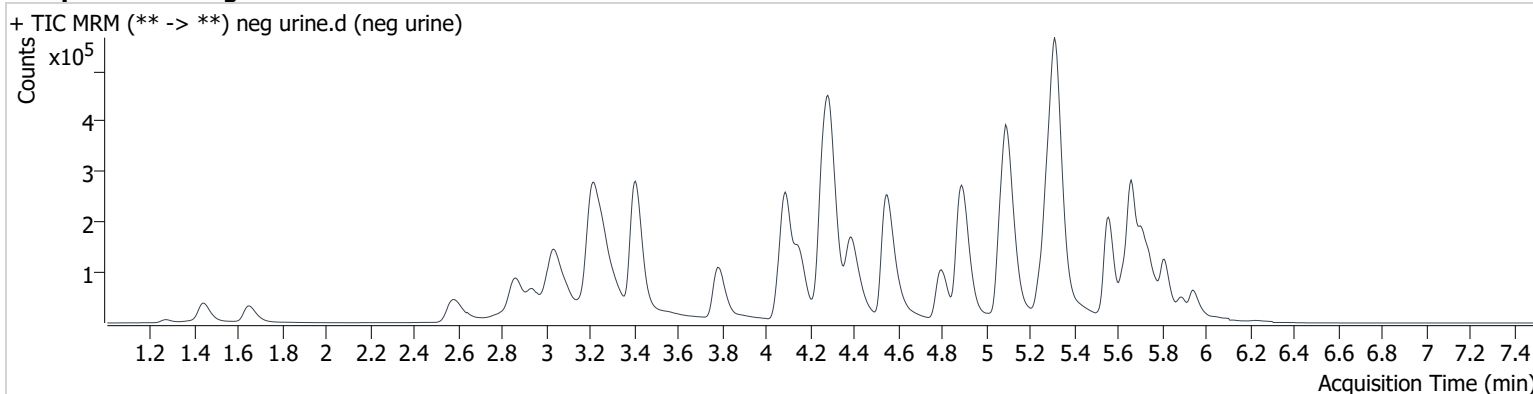
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	6871282	27415.2	52.7	83761.2	326574	1018.378 ng/ml
Methamphetamine	3.267	7696278	27817.1	40.9	23670.8	470424	891.144 ng/ml
Metoprolol <b>OCR</b>	4.354	738347	158496.1	94.4	66175.8	796177	654.318 ng/ml
Mirtazapine	4.646	10333188	1455477.7	46.7	297386.9	326574	1007.067 ng/ml
Mitragynine	5.244	1026567	29945.3	33.1	1407833.7	326574	862.623 ng/ml
Morphine	1.286	352760	19690.3	22.6	35648.0	4784	950.882 ng/ml
Norbuprenorphine	5.027	7734	39089.7	101.3	37902.3	3862	104.869 ng/ml
Nordiazepam	5.891	1722628	591351.0	65.2	43261.3	60172	1055.703 ng/ml
Norfentanyl	4.117	117794	6784.9	289.4	10109.7	362770	107.189 ng/ml
Norhydrocodone <b>NE</b>	3.112	92847	2628.0	23.7 <b>High</b>	1500.7	24600	1355.955 ng/ml
Noroxycodone	2.964	2552198	15362.6	39.8	3709.9	85812	1050.064 ng/ml
O-desmethyl-tramadol	3.409	14351839	399703.7	6.1	131160.1	723615	1051.776 ng/ml
Oxazepam	5.751	1710111	117365.8	81.1	181090.6	113396	896.777 ng/ml
Oxycodone	2.881	7465200	62759.0	29.2	49119.6	328375	978.790 ng/ml
Oxymorphone	1.449	3499912	254095.2	43.7	176599.6	136086	993.099 ng/ml
Phentermine <b>NE</b>	3.816	1873024	14746.7	7.7 <b>Low</b>	∞	268089	1034.156 ng/ml
Promethazine	5.559	5298286	10852330.7	37.1	104127.4	242762	1048.764 ng/ml
Quetiapine	5.541	3408737	1883827.0	56.2	52283.7	51895	880.801 ng/ml
Sertraline	5.781	707315	26548.0	103.8	4790192.5	29768	998.022 ng/ml
Temazepam	5.818	6136670	91631.9	30.6	35880.5	274450	1070.847 ng/ml
Tramadol	4.268	13051732	2489250.3	3.3	8080.3	620533	1042.787 ng/ml
Trazodone	5.133	7220543	108518.9	74.2	8262027.5	248596	1130.518 ng/ml
Venlafaxine	5.071	9427133	2299237.8	39.7	326340.6	519643	1133.559 ng/ml
Zolpidem	4.901	15539970	188697.7	30.1	73946.9	745024	984.303 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	neg urine.d
<b>Type</b>	Sample	<b>Sample</b>	neg urine
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/17/2020 2:52:31 AM		

**Sample Chromatogram**



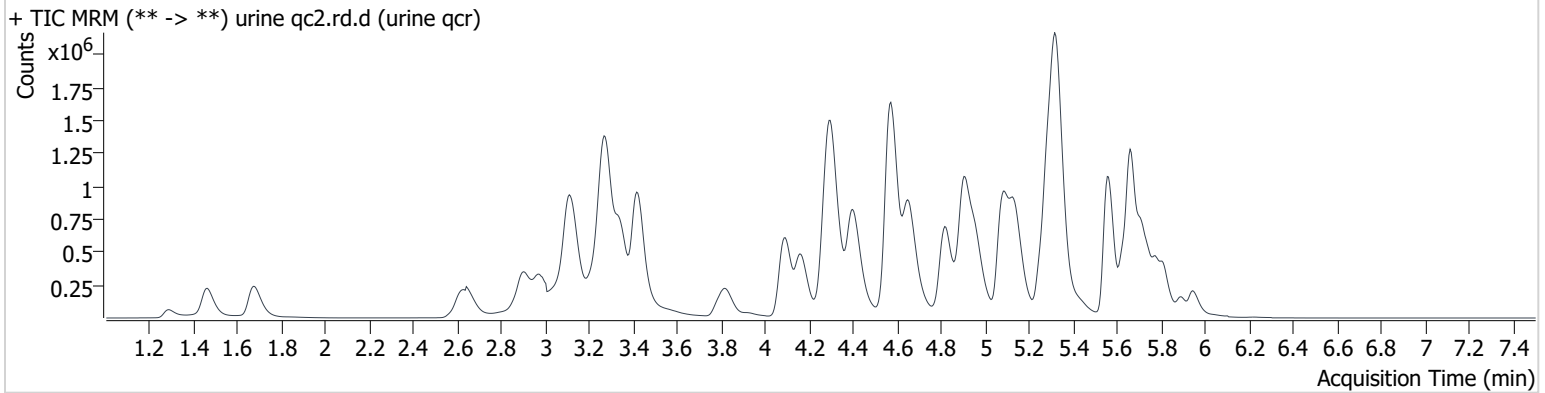
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.267	166101	618.0	40.5	∞	806434	7.417 ng/ml <32

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	urine qc2.rd.d
<b>Type</b>	Sample	<b>Sample</b>	urine qcr
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-E2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/17/2020 6:56:26 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	23739	7790.1	76.2	5154.2	50834	10.641 ng/ml
7-aminoclonazepam	4.302	371927	17865.8	86.1	10616.2	140545	107.228 ng/ml
a-hydroxyalprazolam	5.702	48459	5006.2	57.7	5216.1	25329	108.755 ng/ml
alpha-PHP	4.965	374444	3761.3	261.0	24818.7	612994	117.677 ng/ml
alpha-PVP	4.402	1564481	73962.4	49.6	65887.0	612994	103.187 ng/ml
Alprazolam	5.776	261353	3817.1	112.7	11427.9	89072	106.458 ng/ml
Amphetamine	3.115	2604071	34541.5	47.5	15132.9	407679	118.901 ng/ml
Benzoylcegonine NE	3.925	37653	2292.5	7.7	848.5	13132	64.650 ng/ml
Buprenorphine	5.701	13496	42320.8	18.8	16183.6	44838	9.909 ng/ml
Bupropion	4.821	1464333	11728.1	65.6	17813.2	461425	110.103 ng/ml
Carisoprodol	5.721	176261	10477.6	68.7	2490.0	87355	101.691 ng/ml
Citalopram	5.261	845186	48665.3	39.9	2631.6	357074	104.316 ng/ml
Clonazepam	5.620	191702	10572.1	31.7	2262.0	32422	100.554 ng/ml
Cocaine	4.302	1144583	372857.1	44.9	28643.2	802558	106.732 ng/ml
Codeine	2.649	117848	4062.8	118.0	39973.4	63464	97.467 ng/ml
Cyclobenzaprine	5.632	854194	6323387.7	8.7	6362.6	265691	107.752 ng/ml
Dextromethorphan	5.300	651766	34127.2	77.5	19603.4	310021	106.944 ng/ml
Dextrophan	4.161	374264	40704.2	220.3	41951.8	442078	104.106 ng/ml
Diazepam	5.947	240533	20108.9	86.7	12767.2	111021	105.072 ng/ml
Dihydrocodeine	2.618	346918	39919.4	60.9	17814.5	10985	63.286 ng/ml
Diphenhydramine	5.326	2887969	44261.3	29.5	81846.9	1446154	101.144 ng/ml
Doxylamine	4.569	3245714	409434.0	98.8	91523.8	1249562	105.681 ng/ml
EDDP	5.294	808075	407505.0	229.4	15539.8	887420	106.816 ng/ml
Fentanyl	5.121	97024	4548.1	72.9	4729.2	462017	10.796 ng/ml
Fluoxetine	5.714	676324	1308519.0	7.8	41459.6	245239	101.767 ng/ml
Hydrocodone	3.076	522921	8901.8	37.4	4509.9	295250	111.865 ng/ml
Hydromorphone	1.677	503724	51969.0	70.2	7575.4	154686	99.572 ng/ml
Ketamine	4.086	1027486	56341.3	38.7	1640.8	432006	105.153 ng/ml
Lamotrigine	4.340	78838	7879.6	89.0	25511.3	388079	93.912 ng/ml
Lorazepam	5.739	115281	9451.0	52.2	756.3	115348	92.084 ng/ml
MDA	3.256	1392497	1525.5	25.7	2265.7	388079	108.913 ng/ml
MDMA	3.343	1072951	31943.7	84.9	5722.9	98106	102.416 ng/ml
Meprobamate	4.945	263362	108773.0	28.6	465.0	101942	98.577 ng/ml

# AM #28 Multi-Drug Quant. Results

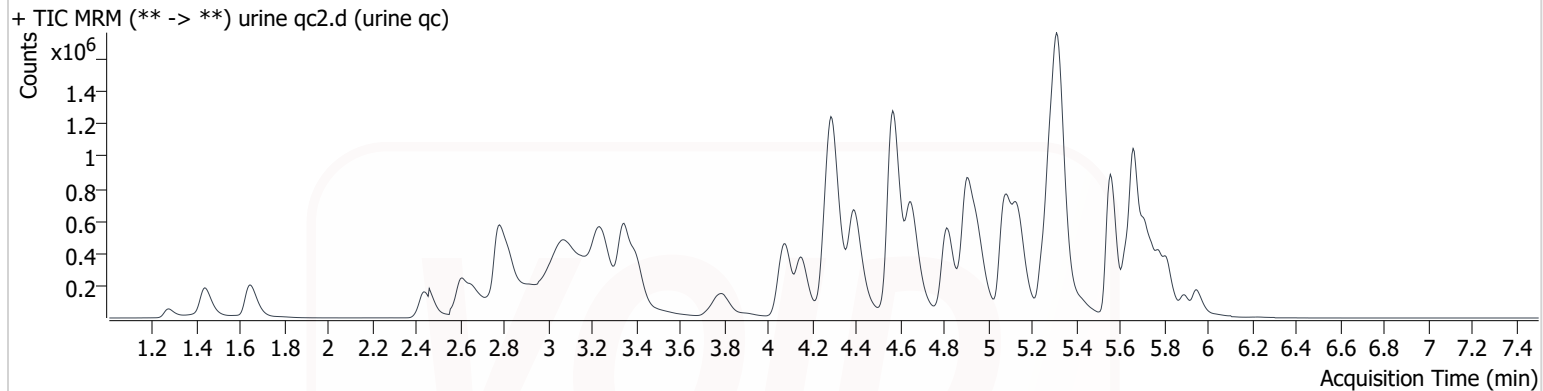
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	1694290	236730.1	53.1	55401.7	787009	104.955 ng/ml
Methamphetamine	3.278	1985571	6713.1	43.2	2128.5	877801	119.892 ng/ml
Metoprolol	4.359	174356	11739.1	94.4	29953.4	1249562	97.706 ng/ml
Mirtazapine	4.656	1894810	82490.1	47.0	230605.9	787009	77.206 ng/ml
Mitragynine	5.250	307226	93275.5	31.8	7133.6	787009	107.216 ng/ml
Morphine	1.286	74231	33232.6	22.0	26718.6	10985	87.056 ng/ml
Norbuprenorphine	5.027	1939	2924.1	100.6	10459.6	9157	10.802 ng/ml
Nordiazepam	5.891	184079	20102.8	60.2	10853.5	60355	112.471 ng/ml
Norfentanyl	4.122	22754	6994.4	293.8	988.8	767051	9.839 ng/ml
Norhydrocodone <b>NE</b>	3.122	19245	2350.4	18.7 <b>High</b>	2114.8	65179	105.485 ng/ml
Noroxycodone	2.974	460821	16180.9	41.5	16096.2	146924	109.974 ng/ml
O-desmethyl-tramadol	3.420	2122868	179472.3	6.6	15433.7	1121397	101.179 ng/ml
Oxazepam	5.751	191679	10033.9	67.7	1817.0	115348	98.356 ng/ml
Oxycodone	2.901	1090481	24687.6	29.3	21750.4	425075	110.419 ng/ml
Oxymorphone	1.459	573831	2664.7	44.8	17602.6	205948	106.920 ng/ml
Phentermine <b>NE</b>	3.826	384374	1901.8	7.7 <b>Low</b>	1277.6	478252	119.000 ng/ml
Promethazine	5.559	1504196	23909.3	38.0	22895.6	695605	104.396 ng/ml
Quetiapine	5.546	590736	38802.6	57.0	896429.0	75363	104.232 ng/ml
Sertraline	5.781	166609	25874.5	104.7	512189.3	69613	100.612 ng/ml
Temazepam	5.813	435785	10118.7	31.4	3120.3	203632	102.344 ng/ml
Tramadol	4.278	2529706	1074002.0	3.3	2175.7	1212667	103.102 ng/ml
Trazodone	5.136	1258888	34521.0	75.6	23648.3	519001	96.055 ng/ml
Venlafaxine	5.076	1641698	29709.9	41.5	7831.9	948078	109.567 ng/ml
Zolpidem	4.906	2483045	53272.5	31.5	20410.0	1110398	105.464 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	urine qc2.d
<b>Type</b>	Sample	<b>Sample</b>	urine qc
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-E2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/17/2020 3:03:22 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	18241	6804.8	54.8 <b>Low</b>	5473.2	11385	36.443 ng/ml
7-aminoclonazepam	4.297	310197	7634.0	94.9	71355.8	116955	107.470 ng/ml
a-hydroxyalprazolam	5.697	41226	465.3	60.7	14666.2	22399	104.613 ng/ml
alpha-PHP	4.959	311687	789.3	256.8	12570.2	496251	121.002 ng/ml
alpha-PVP	4.392	1264150	30073.1	49.0	23052.9	496251	102.993 ng/ml
Alprazolam	5.776	224882	2460.3	113.0	17830.1	74407	109.602 ng/ml
Amphetamine	3.074	614696	11708.3	40.8	3333.8	21045	544.937 ng/ml
Benzoylcegonine	3.905	30191	12810.8	7.7	313.9	11374	60.064 ng/ml
Buprenorphine	5.706	11209	3502.6	17.0	12011.6	37118	9.941 ng/ml
Bupropion	4.816	1173276	187913.6	65.3	14982.8	373320	109.035 ng/ml
Carisoprodol	5.726	144057	10611.0	71.5	2576.5	72645	99.938 ng/ml
Citalopram	5.250	707849	26923.7	40.9	108395.2	302161	103.247 ng/ml
Clonazepam	5.620	167234	21068.3	30.9	27187.4	28018	101.511 ng/ml
Cocaine	4.291	965841	406929.8	43.8	19592.5	670458	107.812 ng/ml
Cyclobenzaprine	5.632	687979	41118.0	9.3	3161.4	212510	108.500 ng/ml
Dextromethorphan	5.294	533987	6070.2	79.0	9354.6	256952	105.716 ng/ml
Dextrorphan	4.151	291997	11027.7	218.9	533534.0	352471	101.873 ng/ml
Diazepam	5.947	199963	20990.6	88.5	24710.5	91445	106.051 ng/ml
Dihydrocodeine	2.653	6191	325.2	61.5	25.4	8423	1.651 ng/ml
Diphenhydramine	5.321	2283180	918499.5	29.0	58398.9	1152159	100.370 ng/ml
Doxylamine	4.564	2525156	17527.0	99.1	78253.7	985178	104.287 ng/ml
EDDP	5.289	646746	92066.4	226.9	31080.5	733955	103.363 ng/ml
Fentanyl	5.121	76945	1792.1	74.3	15147.9	370348	10.681 ng/ml
Fluoxetine	5.714	579371	117148.9	7.4	21911.0	208662	102.463 ng/ml
Hydrocodone	3.046	140899	2840.1	34.4	2392.3	81524	109.114 ng/ml
Hydromorphone	1.642	403481	5345.7	69.5	6107.3	119166	103.525 ng/ml
Ketamine	4.071	829060	55217.4	39.2	1033.2	336714	108.878 ng/ml
Lamotrigine	4.324	65928	4465.1	82.2	10352.1	128041	238.204 ng/ml
Lorazepam	5.744	113521	19037.7	51.2	2292.6	111160	94.100 ng/ml
MDA	3.221	491702	395.8	23.7	338.3	128041	116.570 ng/ml
MDMA	3.313	413190	6850.7	77.5	3479.3	30594	126.632 ng/ml
Meprobamate	4.940	195119	33717.7	30.5	2766.6	72935	102.092 ng/ml
Methadone	5.662	1368045	19419.1	53.9	19090.9	641257	104.015 ng/ml

# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.247	496319	∞	6.5 <b>Low</b>	∞	278103	93.779 ng/ml
Metoprolol	4.349	145136	98133.4	93.8	12317.8	985178	103.206 ng/ml
Mirtazapine	4.651	1510039	46152.8	48.2	22058.4	641257	75.526 ng/ml
Mitragynine	5.250	253284	952304.7	32.1	6912.6	641257	108.480 ng/ml
Morphine	1.271	63021	12310.0	22.4	5979.7	8423	96.399 ng/ml
Norbuprenorphine	5.022	1577	8051.9	93.6	10026.8	7525	10.688 ng/ml
Nordiazepam	5.891	160103	17771.6	61.4	247993.3	53469	110.420 ng/ml
Norfentanyl	4.107	18821	345.8	294.6	829.7	635030	9.830 ng/ml
Norhydrocodone	3.092	5140	575.7	15.2	421.8	11181	164.586 ng/ml
Noroxycodone <b>NE</b>	2.918	31258	1809.7	91.6 <b>High</b>	4005.6	31625	34.073 ng/ml
O-desmethyl-tramadol	3.348	1725099	293881.5	6.5	3111.9	919738	100.256 ng/ml
Oxazepam	5.751	179897	14660.0	69.7	2546.3	111160	95.775 ng/ml
Oxycodone	2.830	85580	2100.8	31.7	3509.1	44906	82.019 ng/ml
Oxymorphone	1.434	463040	7161.9	43.8	26631.0	162356	109.459 ng/ml
Phentermine	3.800	289200	3290.4	8.3	1750.7	374062	114.475 ng/ml
Promethazine	5.554	1223581	100634.7	37.5	16523.6	573163	103.068 ng/ml
Quetiapine	5.546	490587	9374.2	55.2	21519.9	60258	108.298 ng/ml
Sertraline	5.781	146059	11781.4	106.4	566653.6	63276	97.039 ng/ml
Temazepam	5.818	392020	7876.0	38.9 <b>High</b>	538.9	186145	100.713 ng/ml
Tramadol	4.273	2051394	803510.0	3.3	1721.3	970558	104.469 ng/ml
Trazodone	5.136	1030897	71345.1	72.8	284281.4	438403	93.175 ng/ml
Venlafaxine	5.071	1326704	9359.1	41.5	14442.9	761273	110.262 ng/ml
Zolpidem	4.906	1956512	32445.5	32.8	33819.0	899119	102.625 ng/ml

some shifting seen in some internal standard RT's sample was reinjected and evaluated

OCR

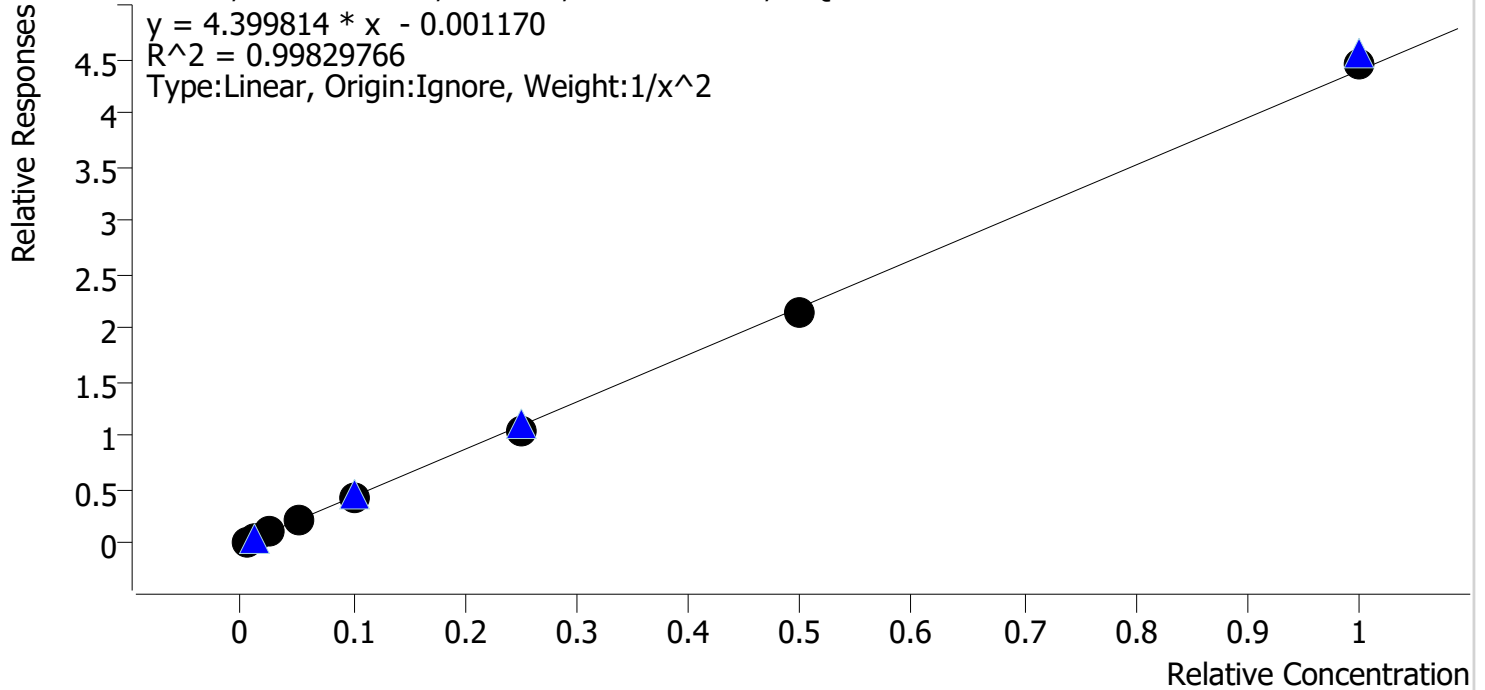


# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM *BW*

**Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	97.2
cal 2 mdq	2	✓	1.0	1.0	103.4
cal 3 mdq	3	✓	2.5	2.7	106.5
cal 4 mdq	4	✓	5.0	5.0	100.6
cal 5 mdqr	5	✓	10.0	9.8	97.5
cal 6 mdq	6	✓	25.0	24.1	96.4
cal 7 mdq	7	✓	50.0	48.6	97.3
cal 8 mdq	8	✓	100.0	101.2	101.2

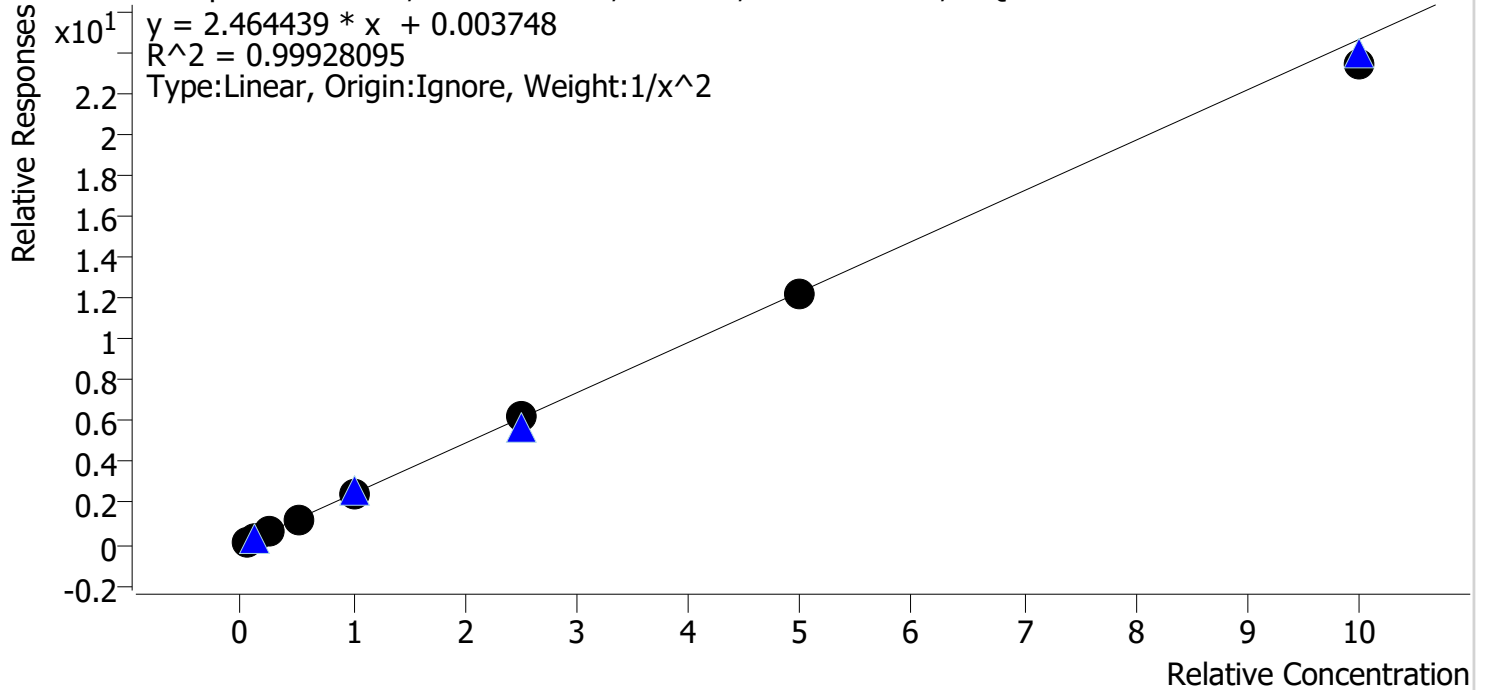
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam

*BW*

**Internal Standard** 7-Aminoclonazepam-D4

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



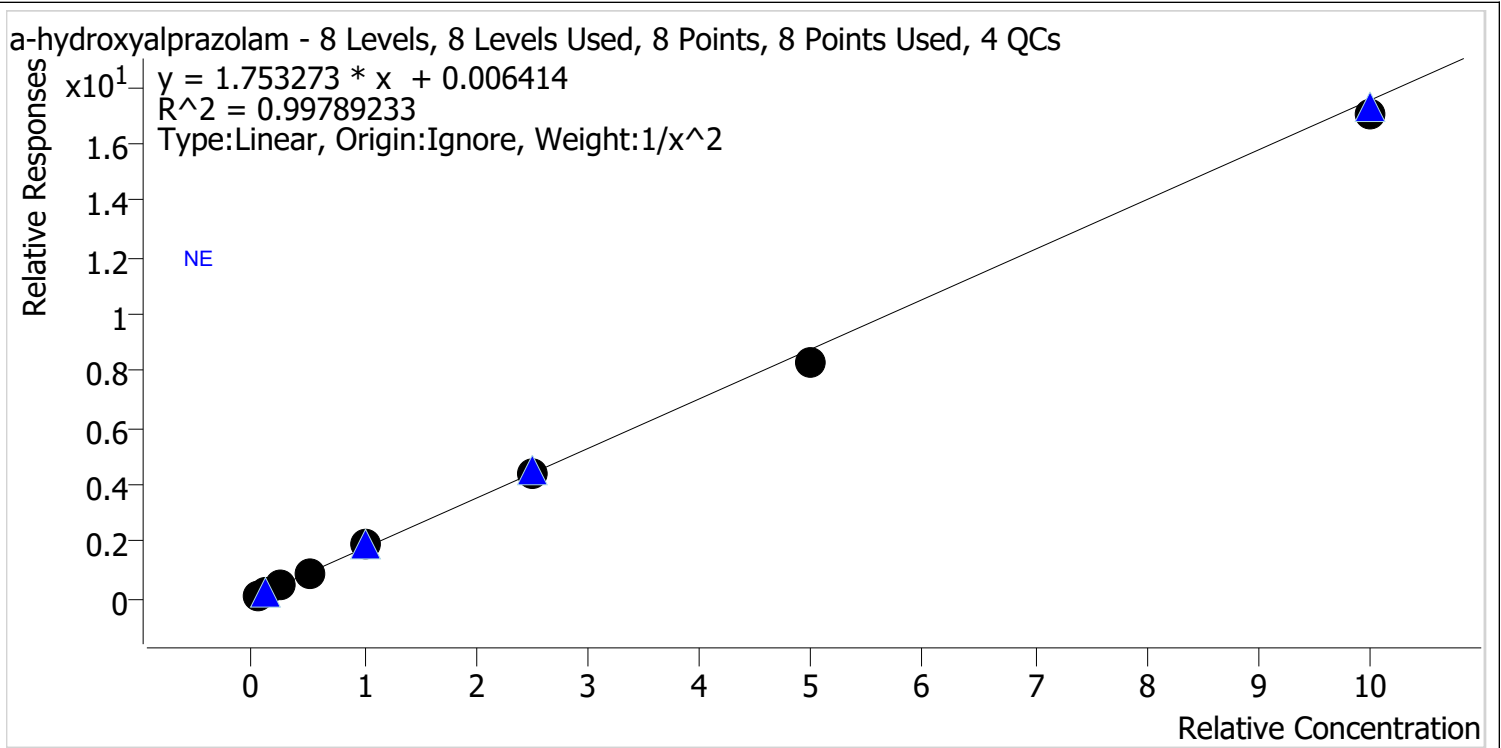
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	51.5	102.9
cal 5 mdqr	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	954.0	95.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam

*BW*

**Internal Standard** a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdqr	5	✓	100.0	106.8	106.8
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	470.2	94.0
cal 8 mdq	8	✓	1000.0	969.0	96.9

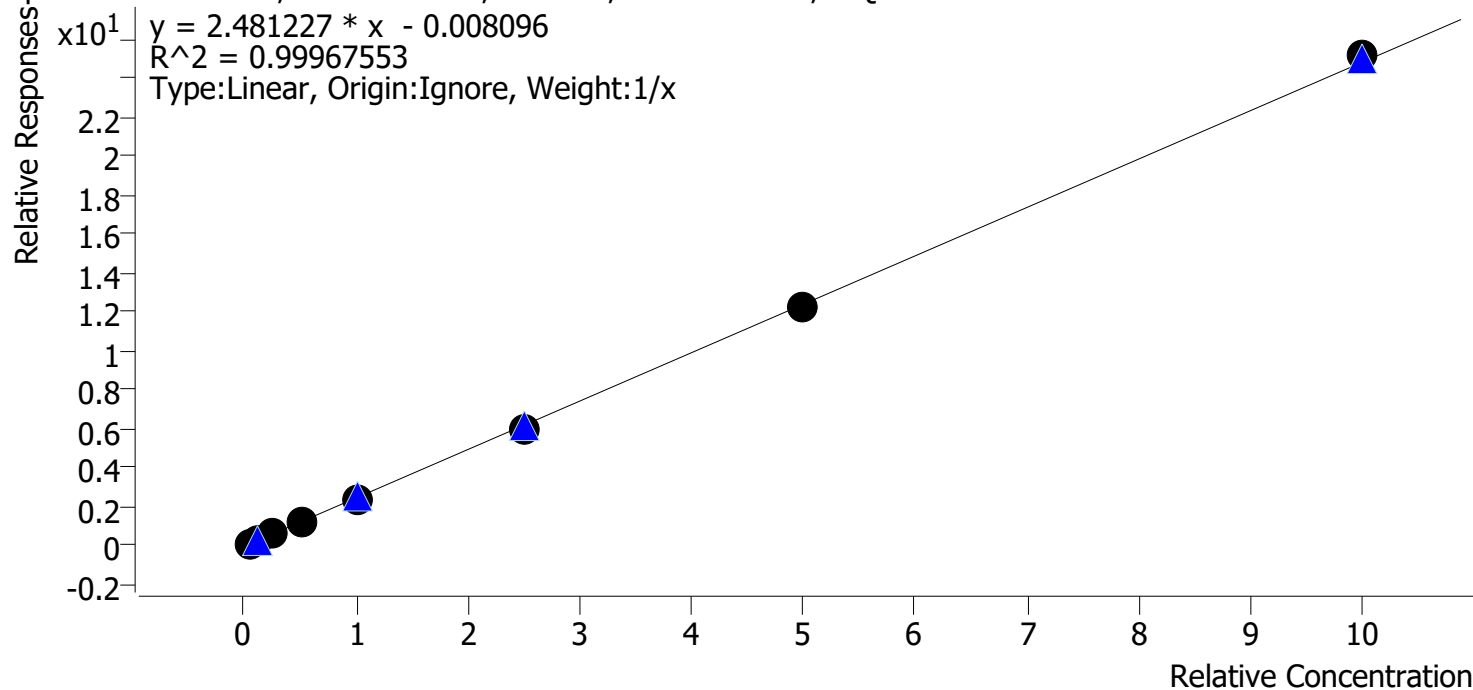
text here

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP *BW*

**Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.6
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdqr	5	✓	100.0	95.2	95.2
cal 6 mdq	6	✓	250.0	245.1	98.0
cal 7 mdq	7	✓	500.0	495.4	99.1
cal 8 mdq	8	✓	1000.0	1013.8	101.4

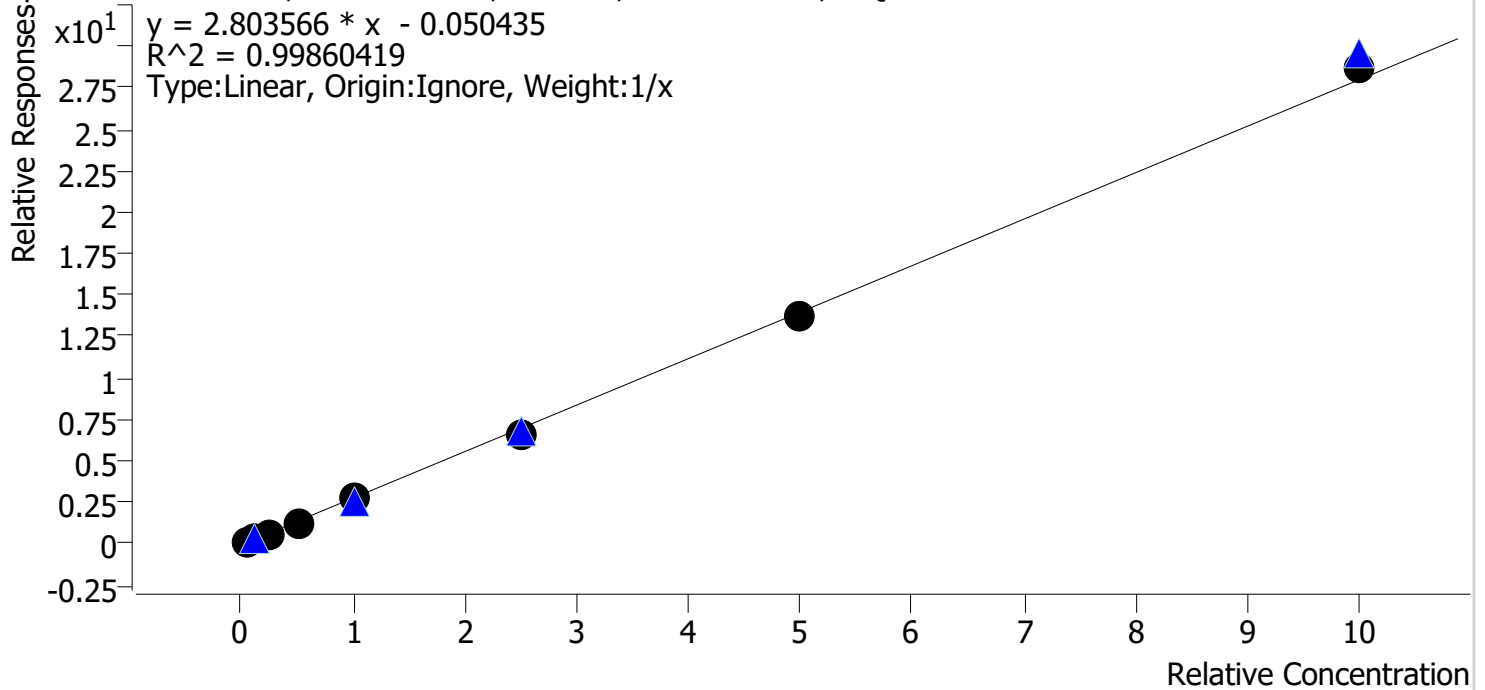
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\lam 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam

*BW*

**Internal Standard** Alprazolam-D5

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



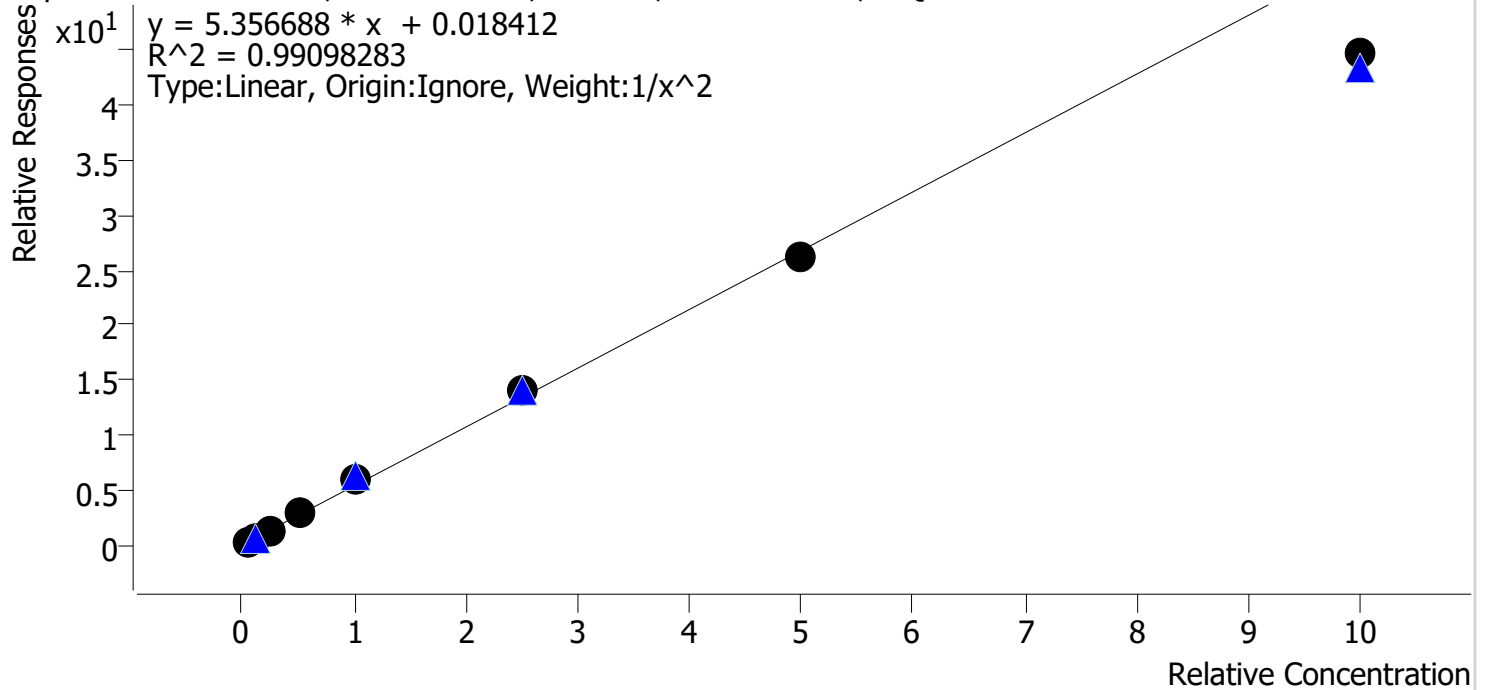
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.0	119.2
cal 2 mdq	2	✓	10.0	10.4	104.2
cal 3 mdq	3	✓	25.0	23.3	93.2
cal 4 mdq	4	✓	50.0	45.1	90.2
cal 5 mdqr	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	236.3	94.5
cal 7 mdq	7	✓	500.0	494.1	98.8
cal 8 mdq	8	✓	1000.0	1027.8	102.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

*BW*

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



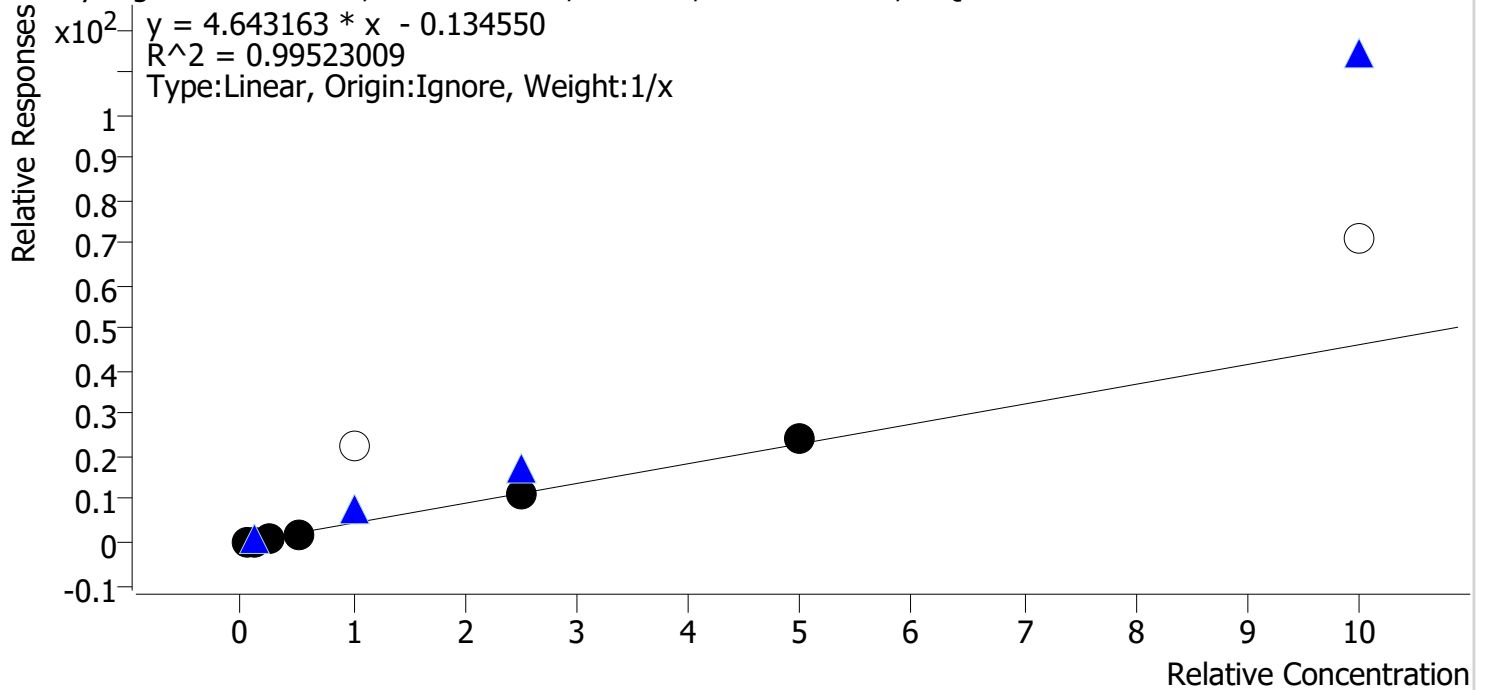
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdqr	5	✓	100.0	113.1	113.1
cal 6 mdq	6	✓	250.0	261.4	104.6
cal 7 mdq	7	✓	500.0	486.9	97.4
cal 8 mdq	8	✓	1000.0	835.0	83.5

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.2	124.2
cal 2 mdq	2	✓	10.0	10.5	105.2
cal 3 mdq	3	✓	25.0	22.4	89.6
cal 4 mdq	4	✓	50.0	40.4	80.8
cal 5 mdqr	5	✗	100.0	493.7	493.7
cal 6 mdq	6	✓	250.0	240.7	96.3
cal 7 mdq	7	✓	500.0	519.8	104.0
cal 8 mdq	8	✗	1000.0	1543.6	154.4

cal 5 dropped due to interfering peak

# Compound Calibration Report

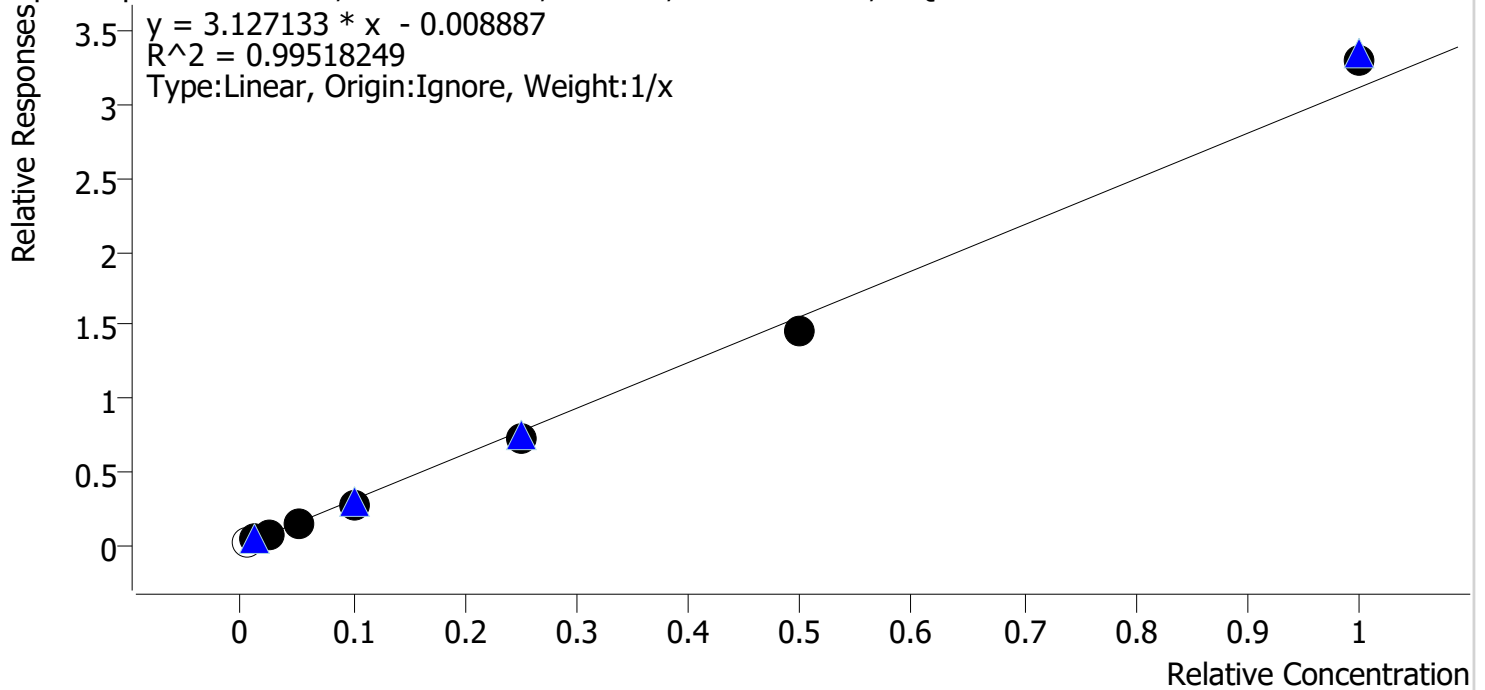
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine

*BW*

**Internal Standard**

Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.9	172.8
cal 2 mdq	2	✓	1.0	1.2	117.2
cal 3 mdq	3	✓	2.5	2.5	101.7
cal 4 mdq	4	✓	5.0	4.9	98.5
cal 5 mdqr	5	✓	10.0	9.0	90.1
cal 6 mdq	6	✓	25.0	23.3	93.2
cal 7 mdq	7	✓	50.0	46.7	93.4
cal 8 mdq	8	✓	100.0	105.8	105.8



# Compound Calibration Report

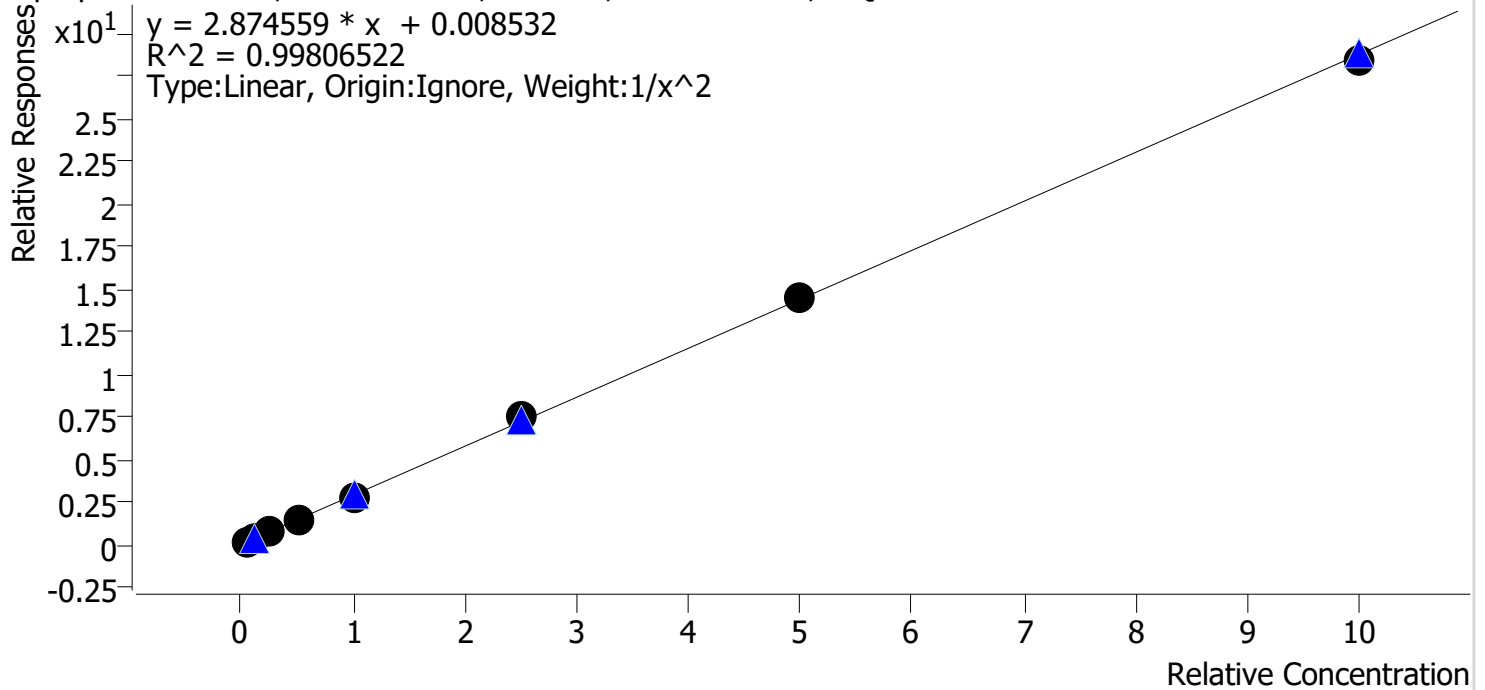
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion

*BW*

**Internal Standard**

Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	51.1	102.3
cal 5 mdqr	5	✓	100.0	91.5	91.5
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	505.3	101.1
cal 8 mdq	8	✓	1000.0	988.4	98.8

# Compound Calibration Report

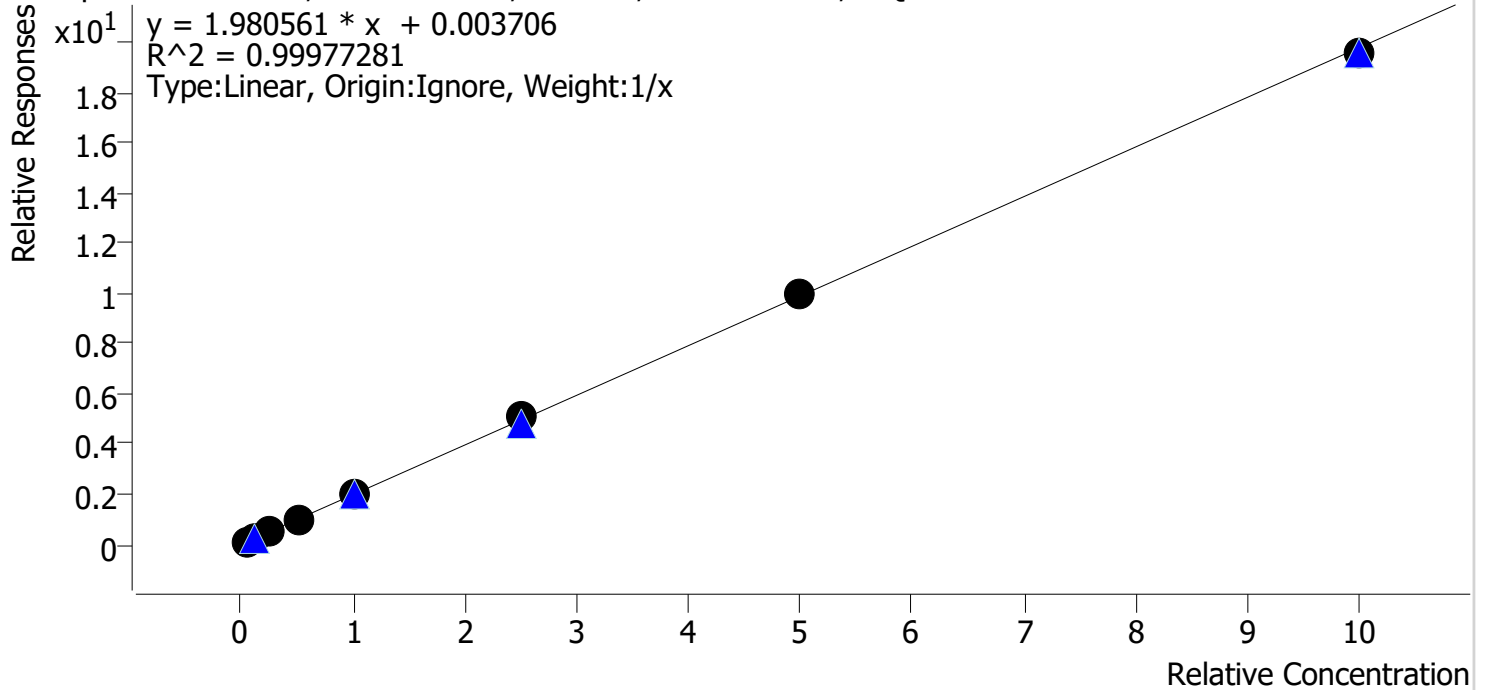
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol

*BW*

**Internal Standard**

Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.9	99.7
cal 5 mdqr	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	255.9	102.4
cal 7 mdq	7	✓	500.0	504.8	101.0
cal 8 mdq	8	✓	1000.0	988.1	98.8

# Compound Calibration Report

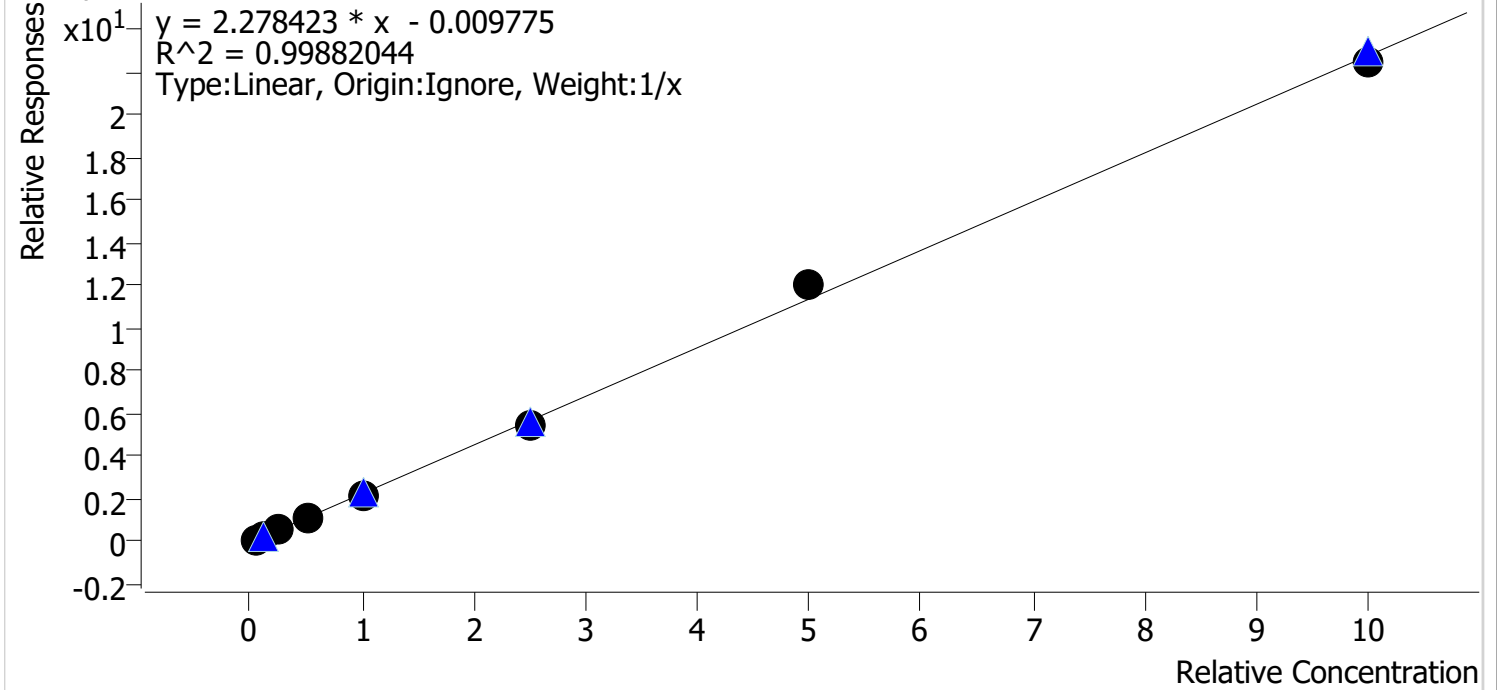
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram

*BW*

**Internal Standard**

Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	10.3	103.3
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	48.4	96.8
cal 5 mdqr	5	✓	100.0	95.2	95.2
cal 6 mdq	6	✓	250.0	242.3	96.9
cal 7 mdq	7	✓	500.0	526.3	105.3
cal 8 mdq	8	✓	1000.0	987.7	98.8

# Compound Calibration Report

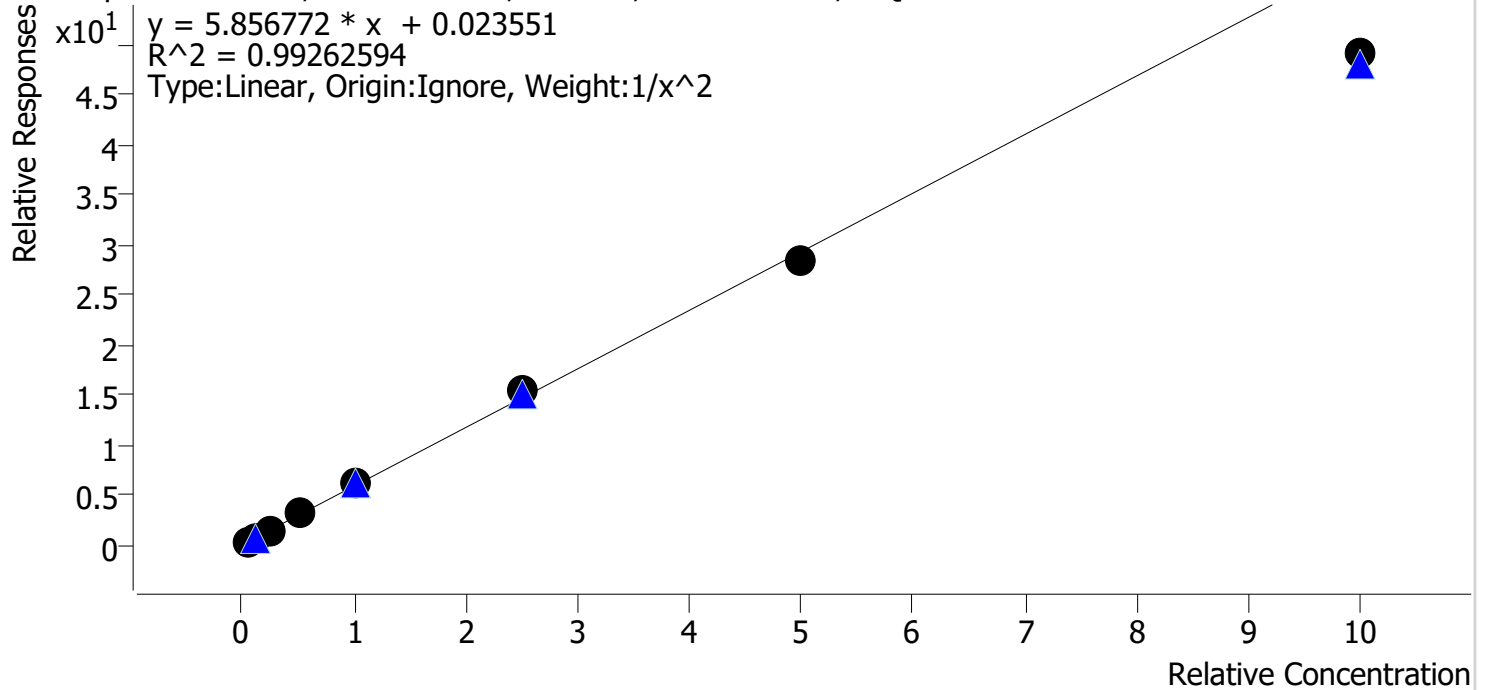
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam

*BW*

**Internal Standard**

Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	25.8	103.1
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdqr	5	✓	100.0	106.3	106.3
cal 6 mdq	6	✓	250.0	265.9	106.3
cal 7 mdq	7	✓	500.0	485.2	97.0
cal 8 mdq	8	✓	1000.0	838.2	83.8

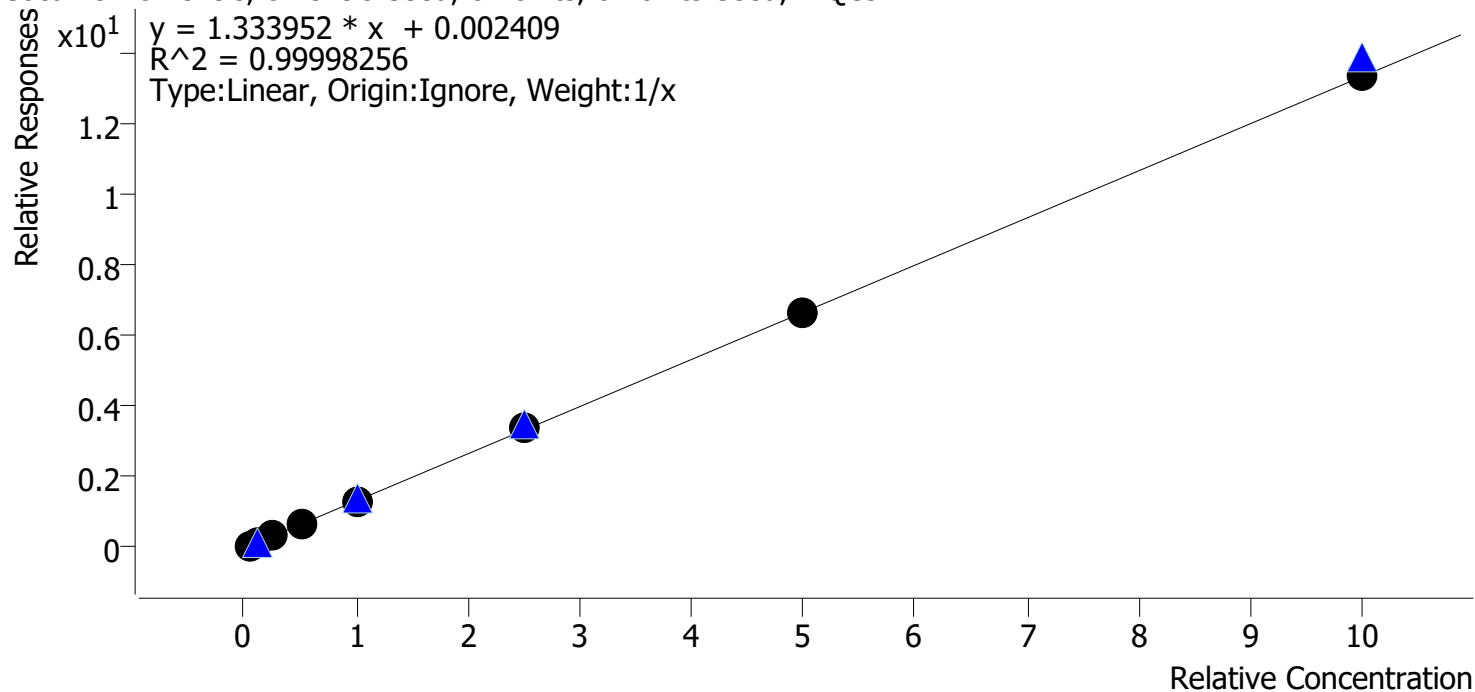
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine

*BW*

**Internal Standard** Cocaine-d3

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



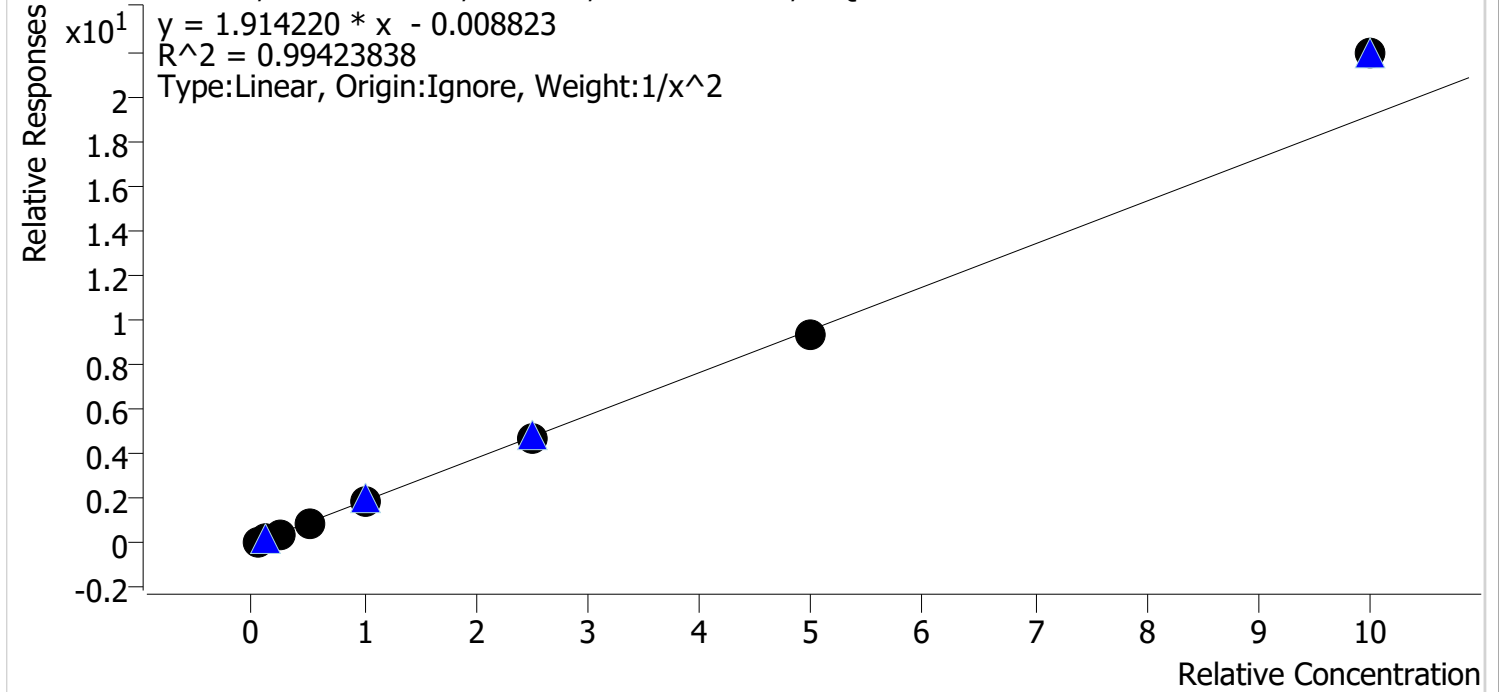
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	50.0	100.1
cal 5 mdqr	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	252.1	100.8
cal 7 mdq	7	✓	500.0	498.2	99.6
cal 8 mdq	8	✓	1000.0	999.0	99.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

*BW*

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



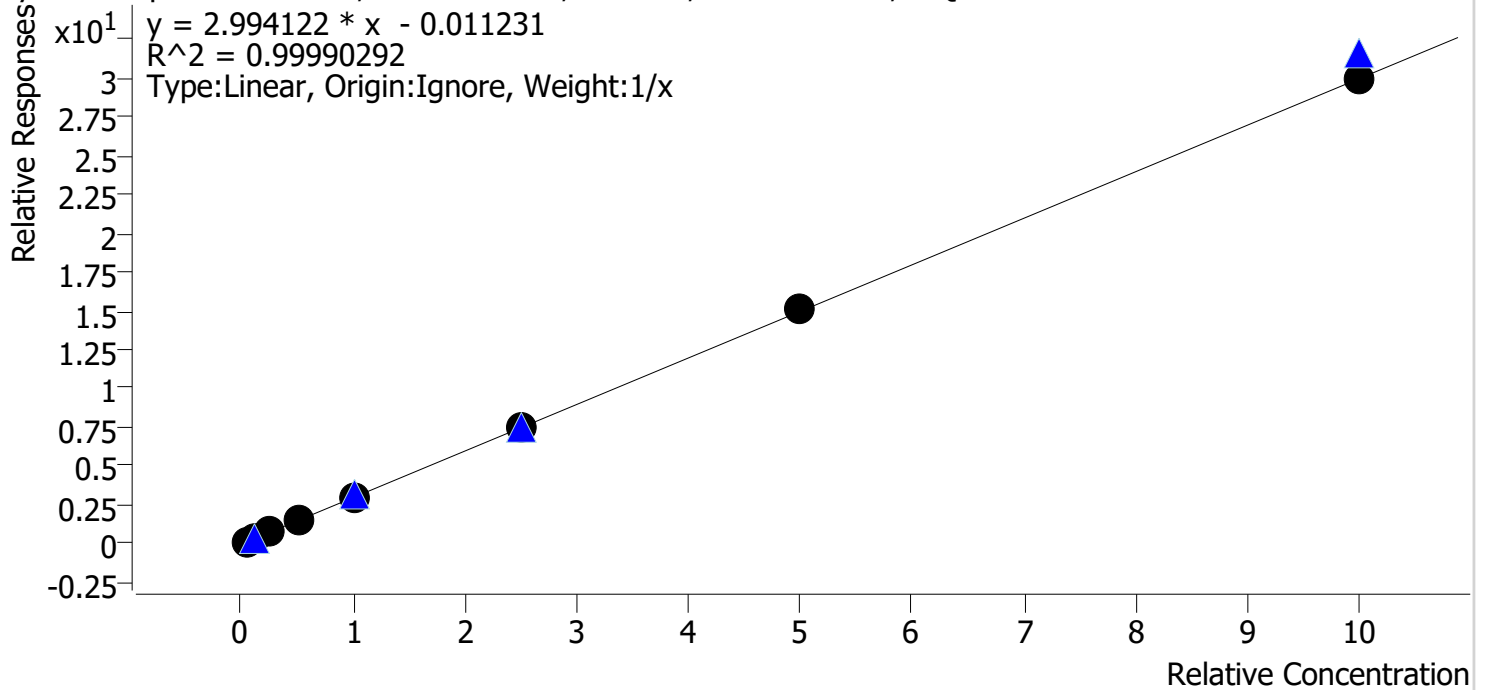
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.7
cal 2 mdq	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	46.8	93.5
cal 5 mdqr	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	248.0	99.2
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	1143.9	114.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.0
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	48.0	95.9
cal 5 mdqr	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	997.9	99.8

# Compound Calibration Report

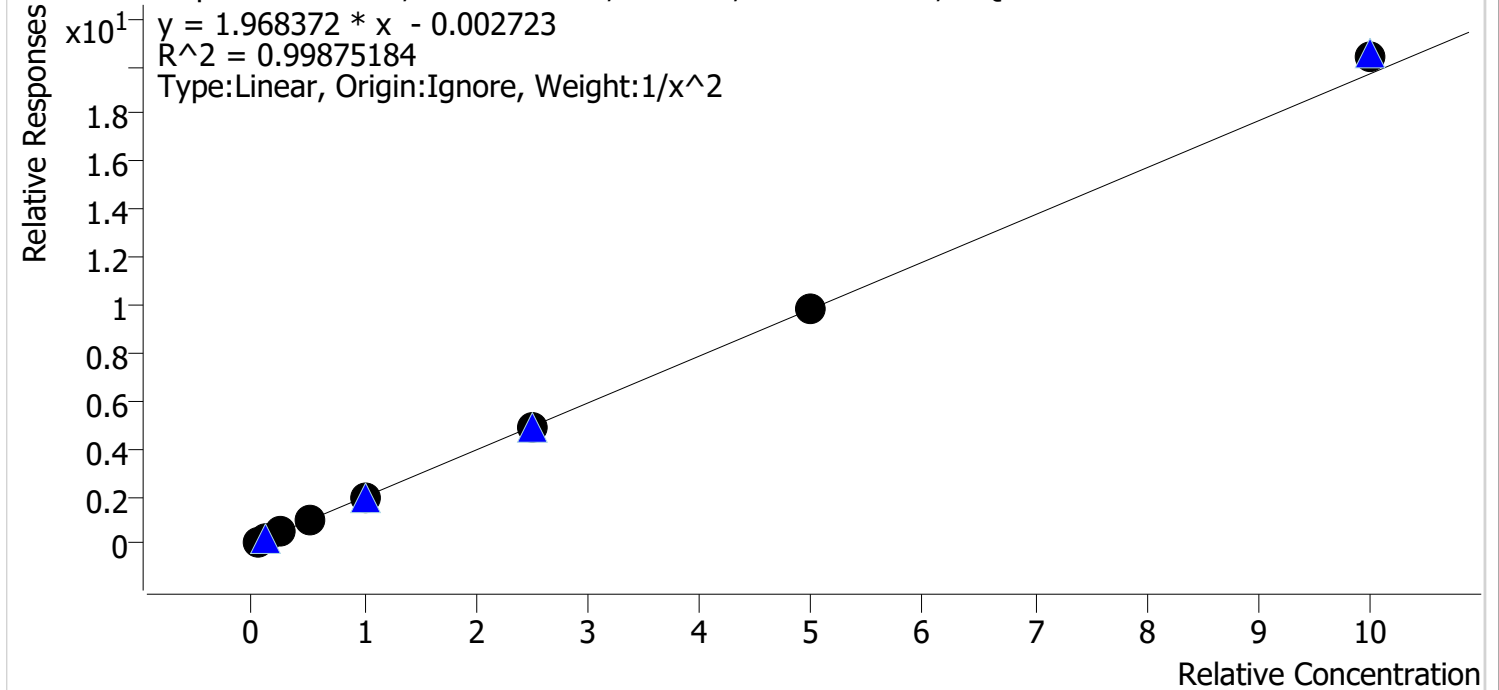
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan

*BW*

**Internal Standard**

Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.9
cal 2 mdq	2	✓	10.0	9.4	93.9
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdqr	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	245.9	98.4
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	1037.9	103.8



# Compound Calibration Report

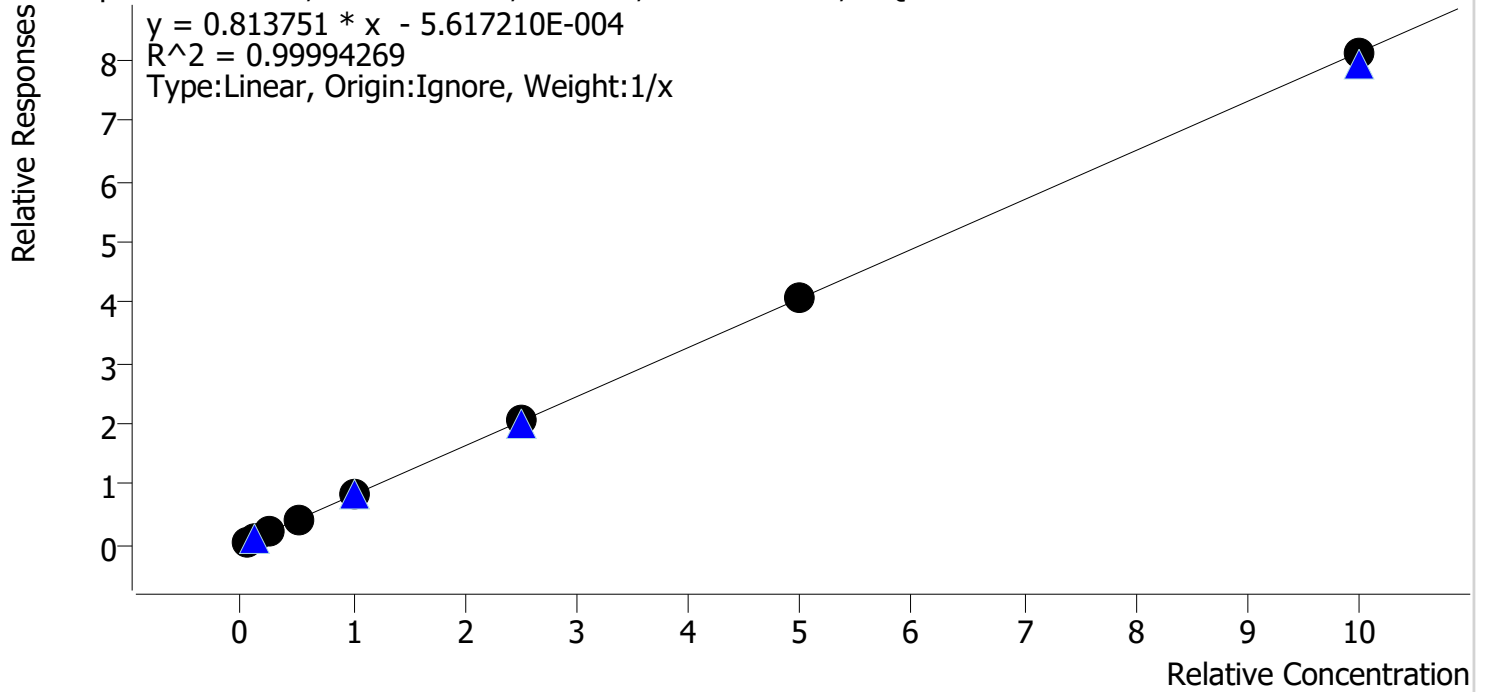
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan

*BW*

**Internal Standard**

Dextrorphan-D3

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



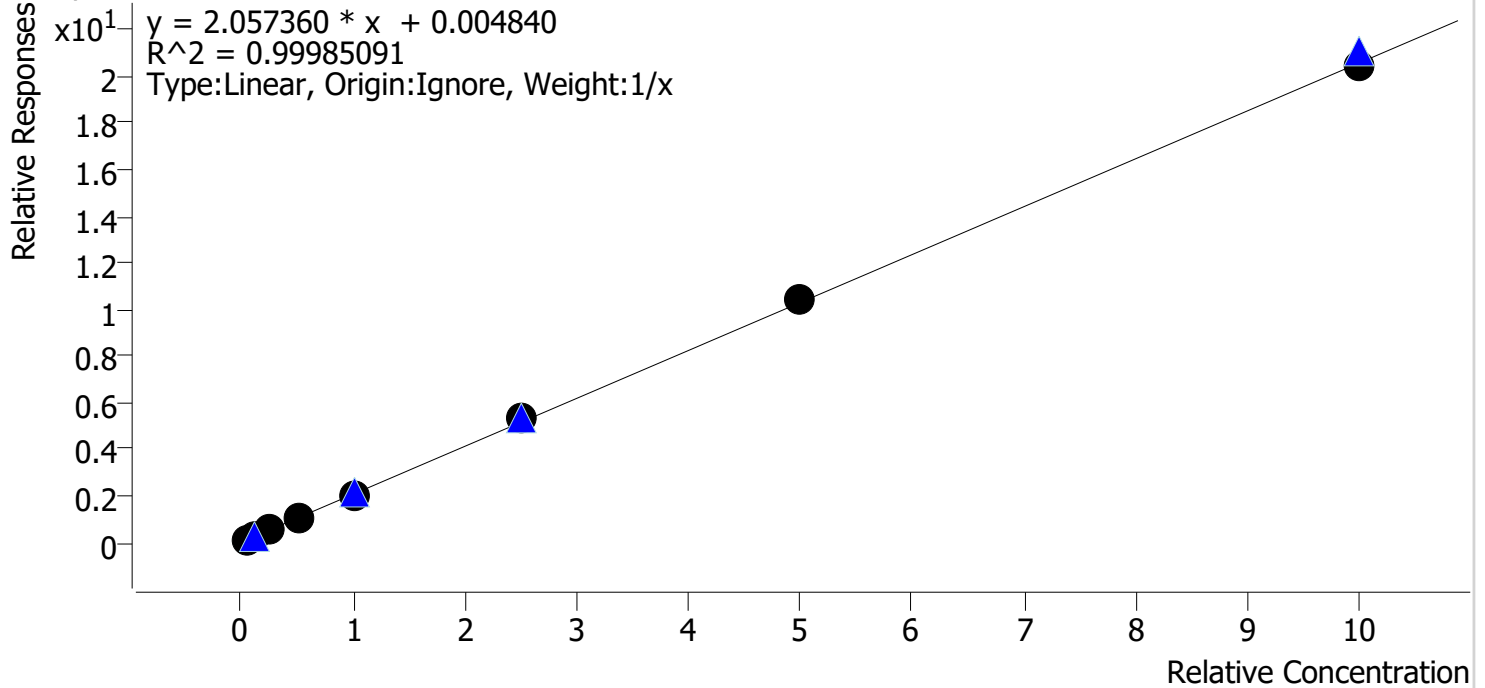
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	24.9	99.6
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdqr	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	503.3	100.7
cal 8 mdq	8	✓	1000.0	997.3	99.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

*BW*

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



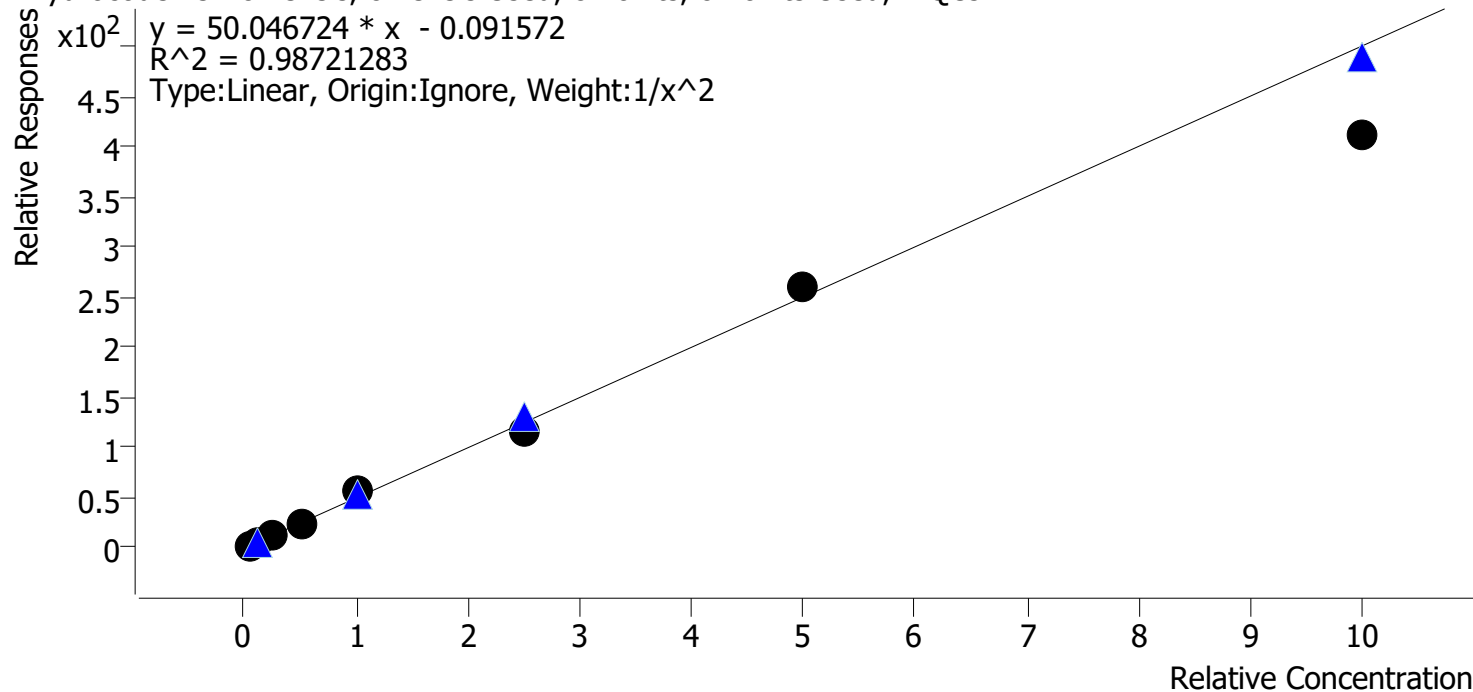
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	9.9	98.5
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	51.2	102.3
cal 5 mdqr	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	255.2	102.1
cal 7 mdq	7	✓	500.0	504.0	100.8
cal 8 mdq	8	✓	1000.0	990.4	99.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Morphine-D6

*BW*

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



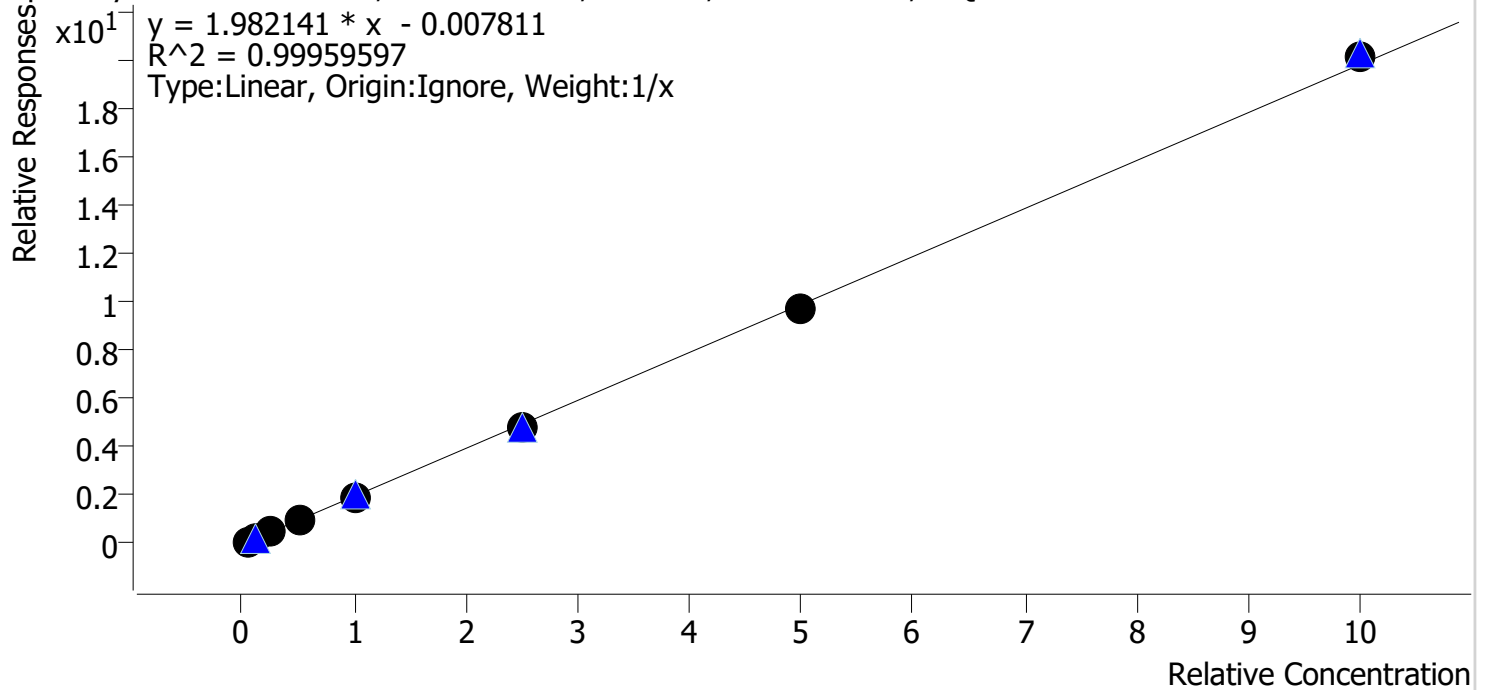
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.8	103.2
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdqr	5	✓	100.0	117.0	117.0
cal 6 mdq	6	✓	250.0	233.9	93.6
cal 7 mdq	7	✓	500.0	523.3	104.7
cal 8 mdq	8	✓	1000.0	822.4	82.2

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

*BW*

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

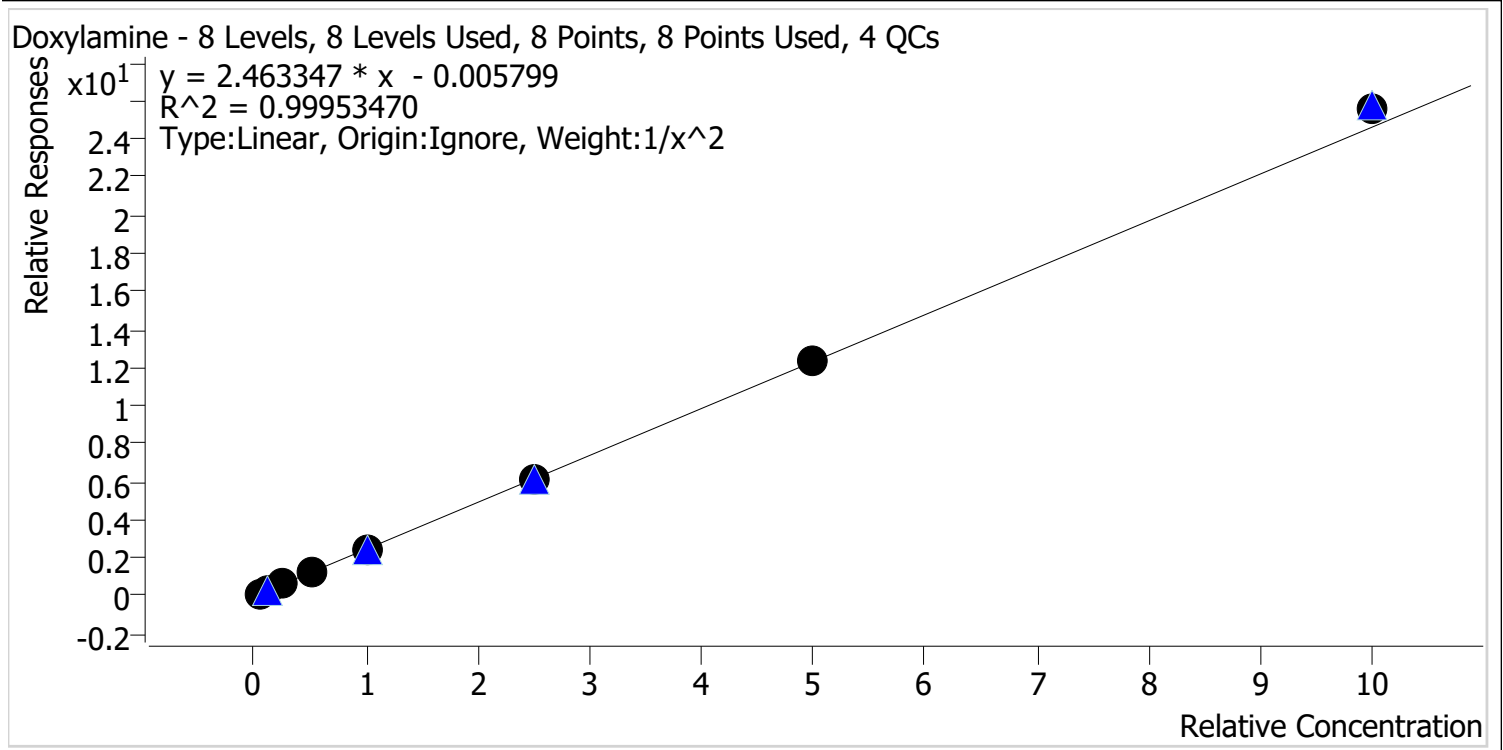


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.1
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdqr	5	✓	100.0	95.4	95.4
cal 6 mdq	6	✓	250.0	246.7	98.7
cal 7 mdq	7	✓	500.0	491.6	98.3
cal 8 mdq	8	✓	1000.0	1016.7	101.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

*BW*



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdqr	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	505.3	101.1
cal 8 mdq	8	✓	1000.0	1037.0	103.7

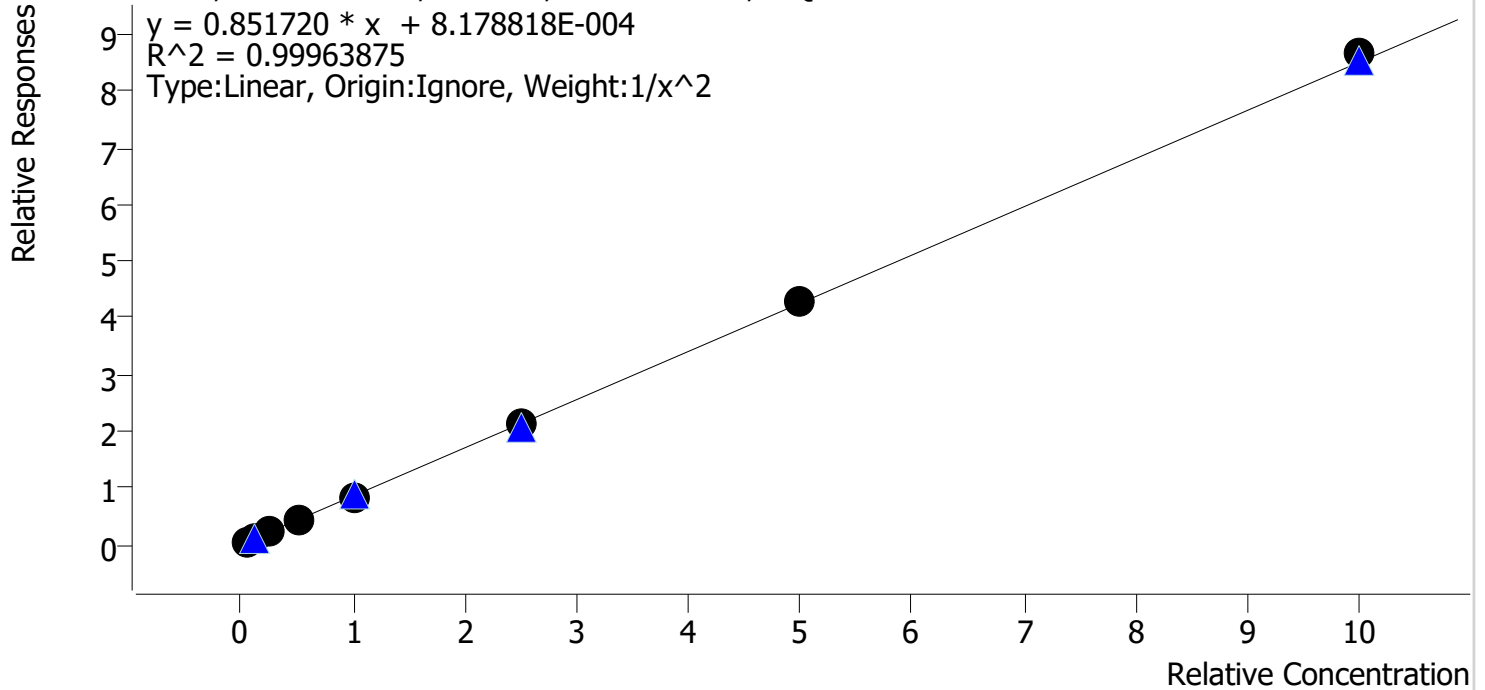
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP

*BW*

**Internal Standard** EDDP-D3

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



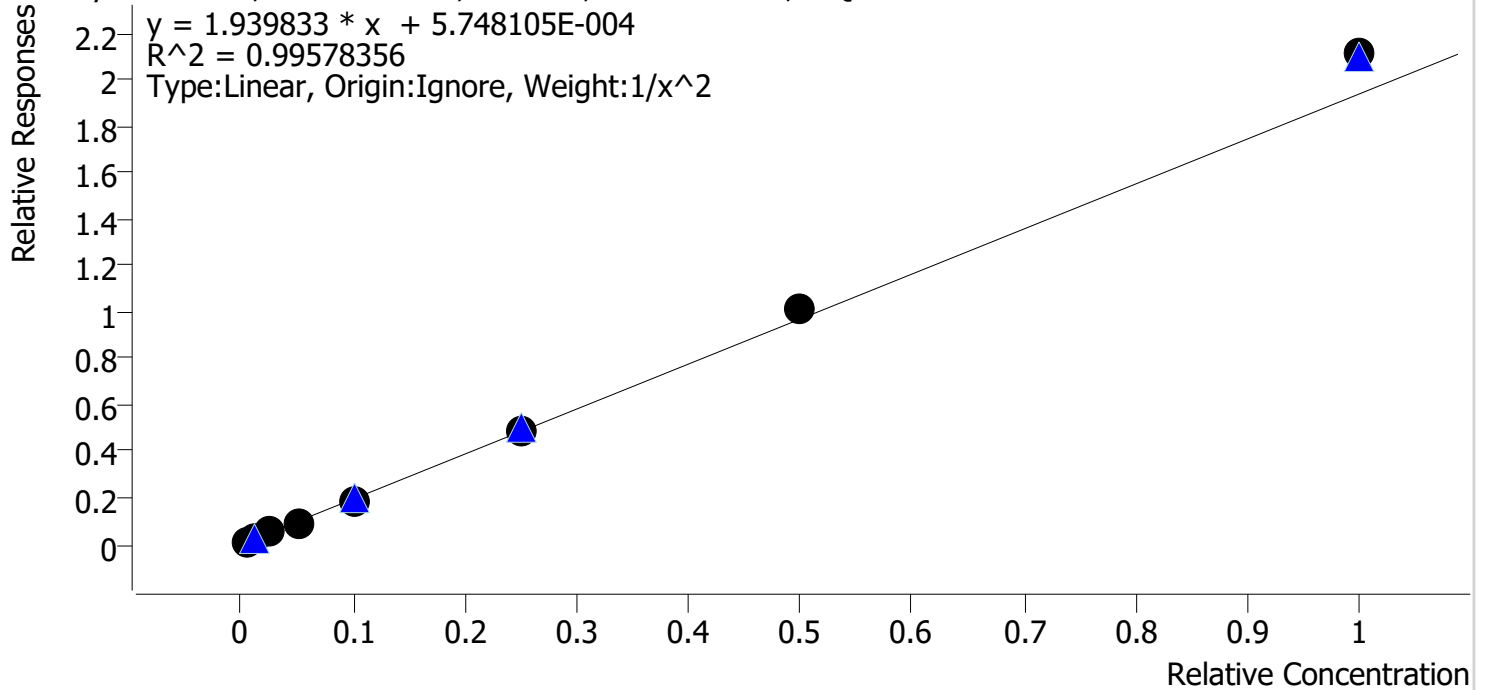
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdqr	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	252.0	100.8
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	1017.9	101.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	104.3
cal 2 mdq	2	✓	1.0	0.9	93.0
cal 3 mdq	3	✓	2.5	2.5	99.8
cal 4 mdq	4	✓	5.0	4.7	93.2
cal 5 mdqr	5	✓	10.0	9.6	96.4
cal 6 mdq	6	✓	25.0	25.1	100.5
cal 7 mdq	7	✓	50.0	51.9	103.9
cal 8 mdq	8	✓	100.0	109.0	109.0

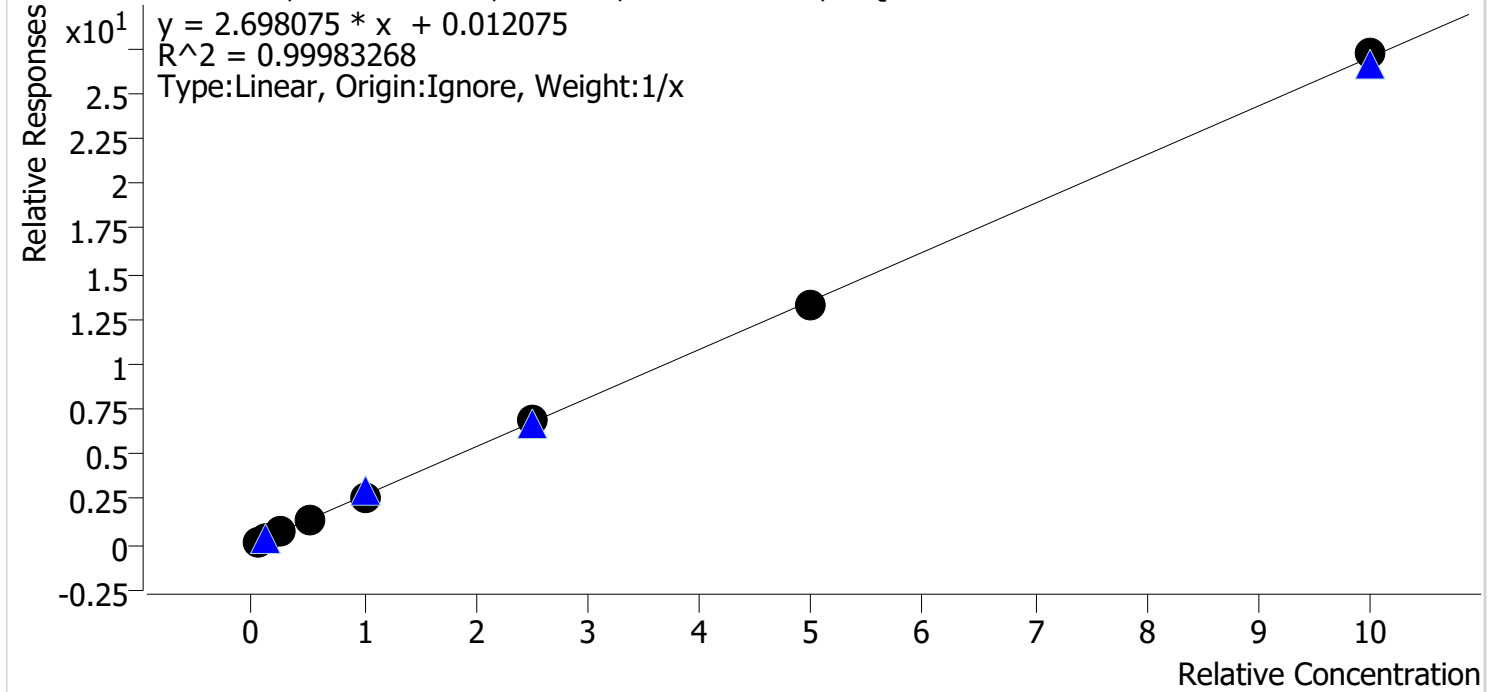
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine

*BW*

**Internal Standard** Fluoxetine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdqr	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	491.0	98.2
cal 8 mdq	8	✓	1000.0	1007.7	100.8

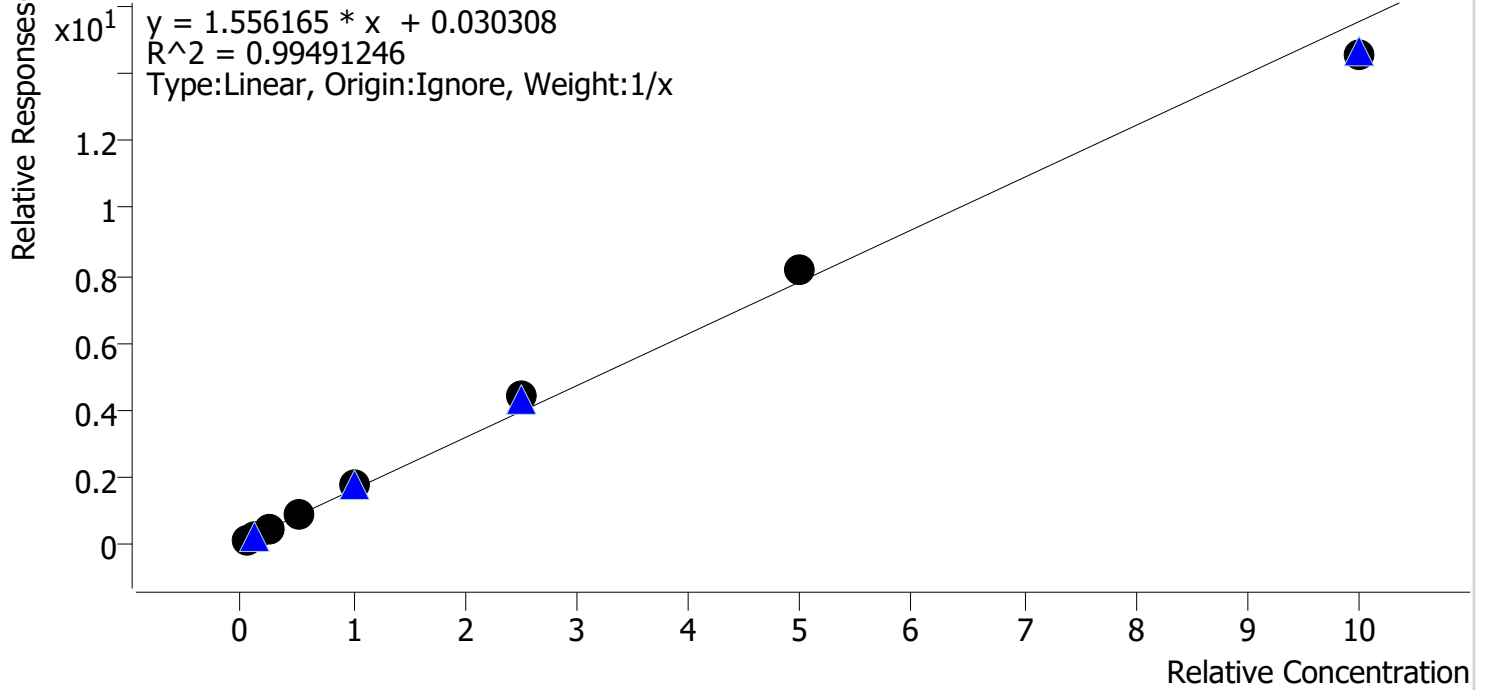


# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

*BW*

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



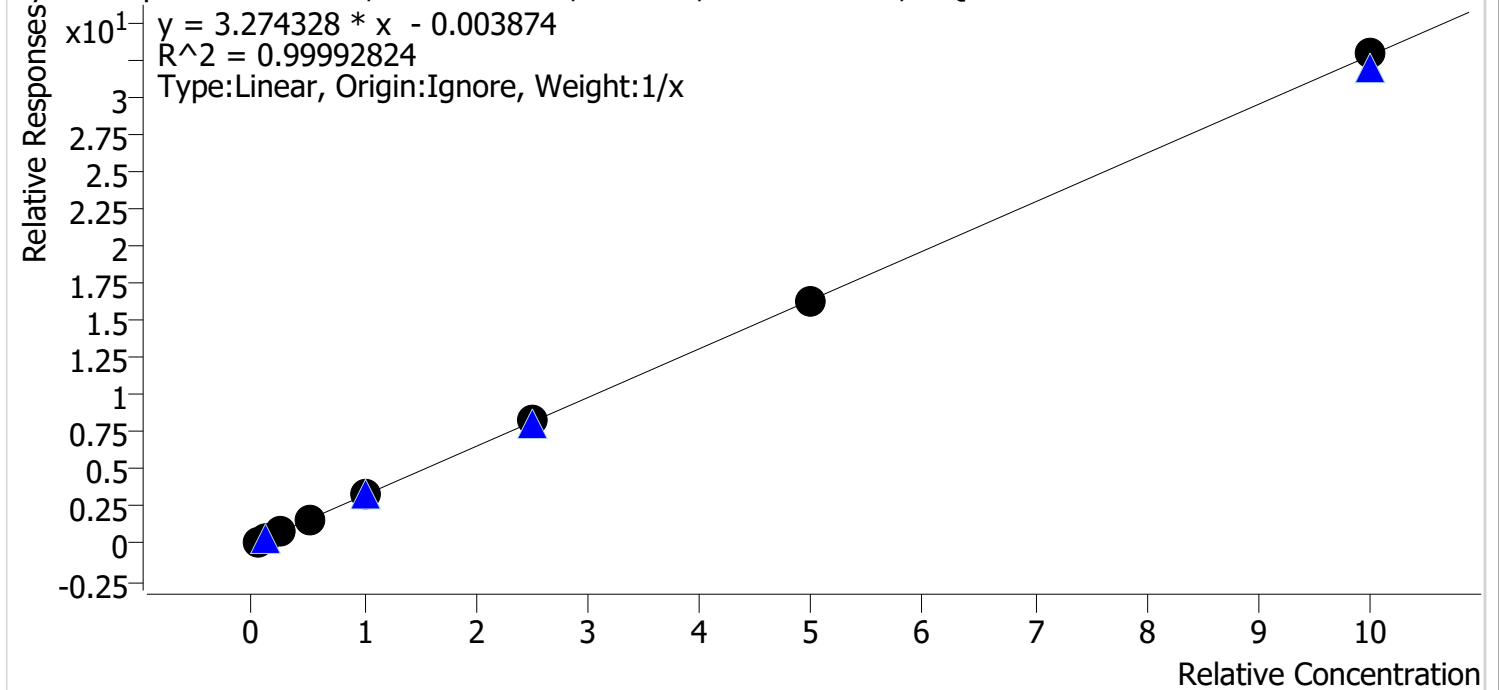
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.9	77.1
cal 2 mdq	2	✓	10.0	9.4	94.1
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	54.9	109.7
cal 5 mdqr	5	✓	100.0	107.7	107.7
cal 6 mdq	6	✓	250.0	277.1	110.8
cal 7 mdq	7	✓	500.0	522.5	104.5
cal 8 mdq	8	✓	1000.0	939.0	93.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

*BW*

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

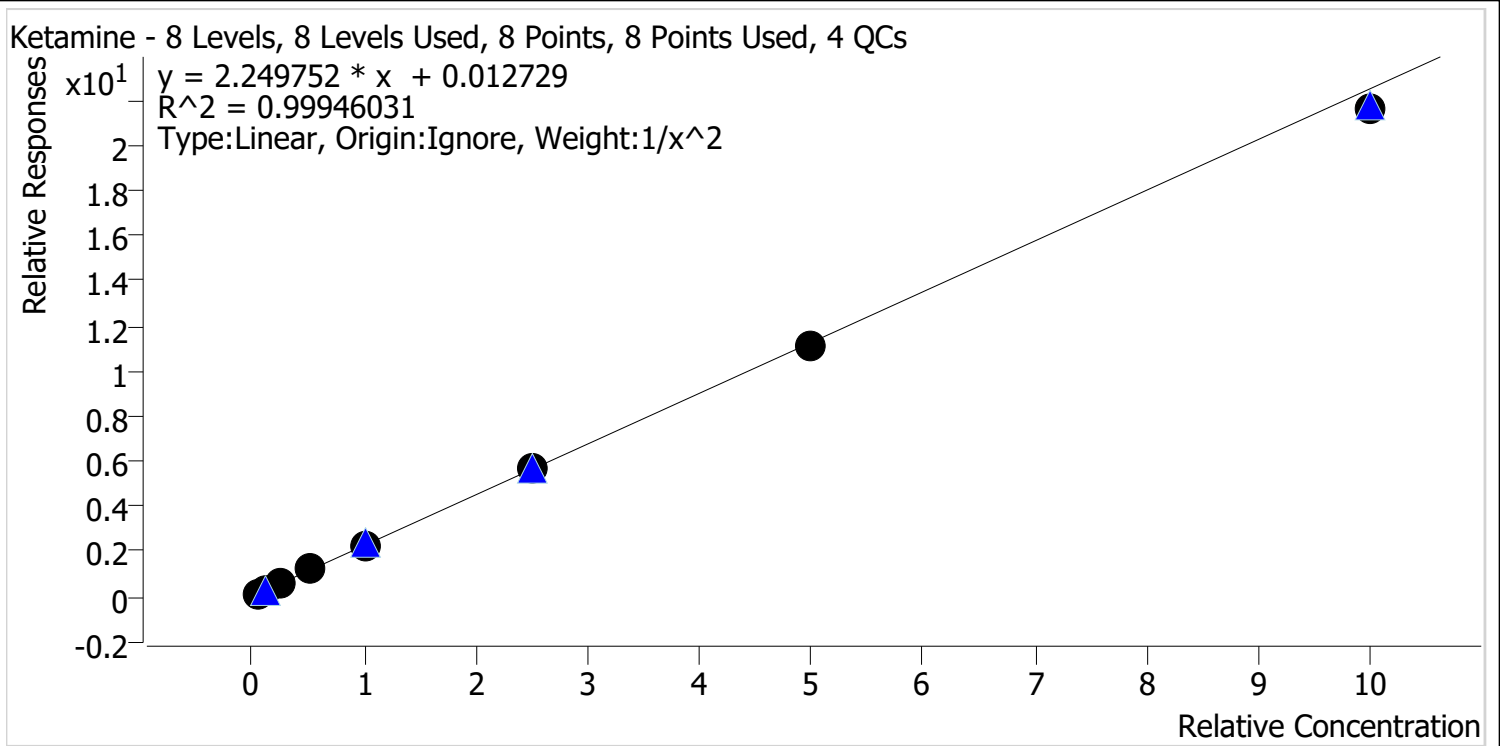


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	23.8	95.3
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdqr	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	496.1	99.2
cal 8 mdq	8	✓	1000.0	1003.9	100.4

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

*BW*



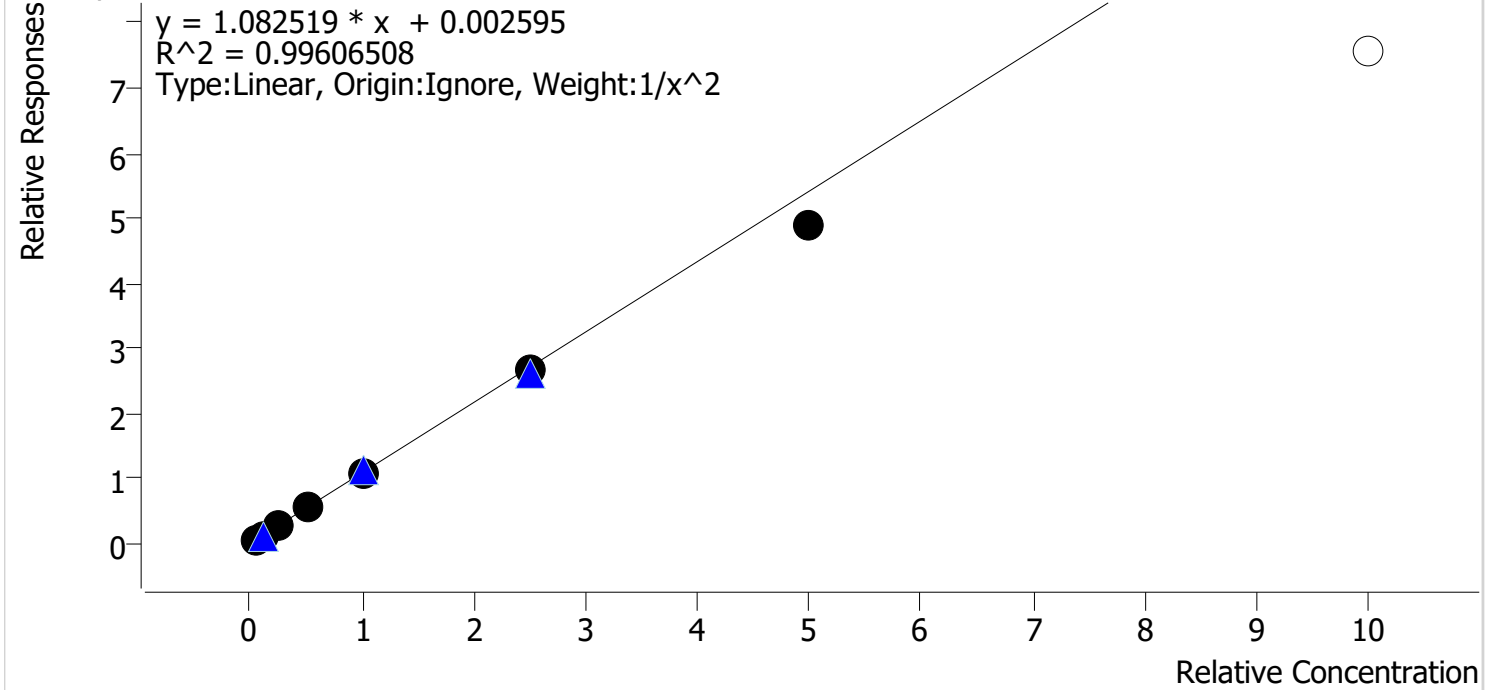
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.2	100.6
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdqr	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	495.2	99.0
cal 8 mdq	8	✓	1000.0	961.8	96.2

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

*BW*

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



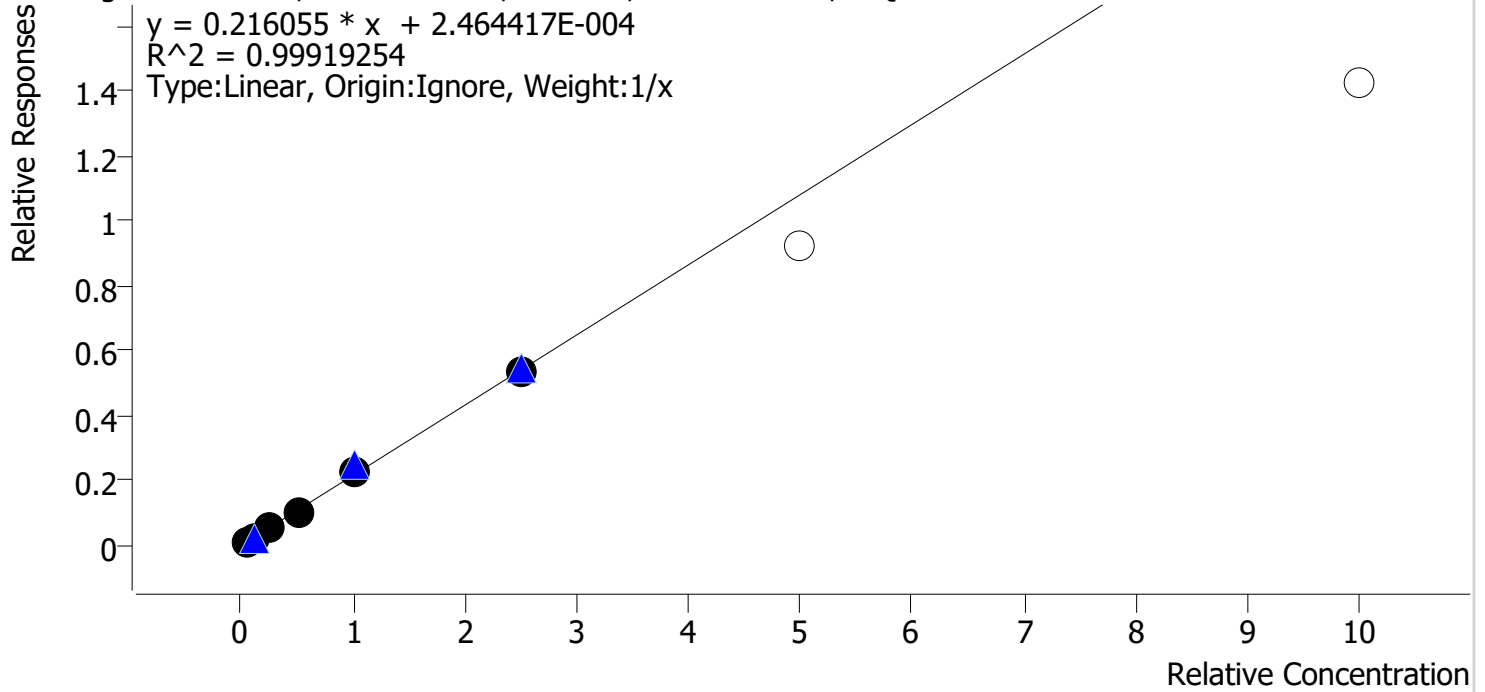
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.1	101.5
cal 3 mdq	3	✓	25.0	26.6	106.3
cal 4 mdq	4	✓	50.0	52.8	105.7
cal 5 mdqr	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	245.8	98.3
cal 7 mdq	7	✓	500.0	453.6	90.7
cal 8 mdq	8	✗	1000.0	698.1	69.8

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine *BW*

**Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.8
cal 2 mdq	2	✓	10.0	9.5	94.8
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	47.5	94.9
cal 5 mdqr	5	✓	100.0	103.1	103.1
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	x	500.0	425.0	85.0
cal 8 mdq	8	x	1000.0	660.7	66.1

# Compound Calibration Report

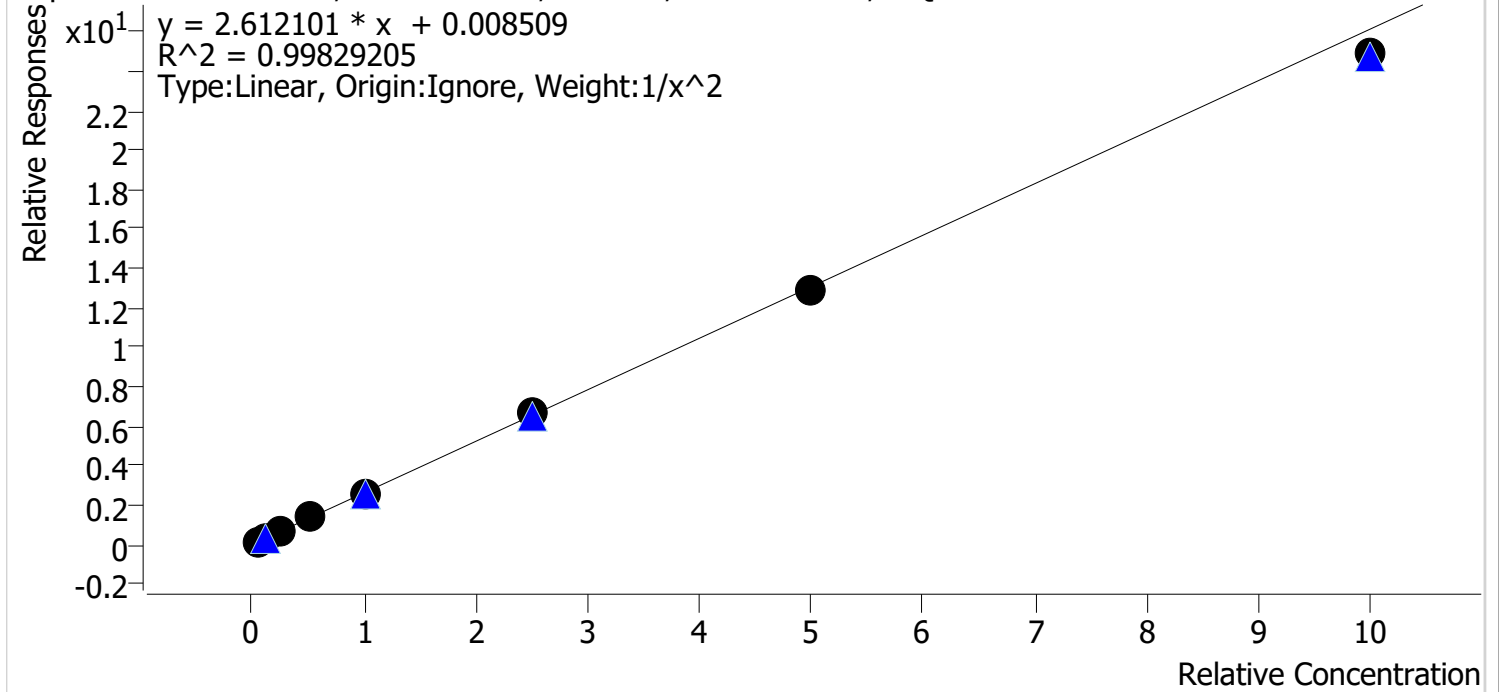
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate

*BW*

**Internal Standard**

Meprobamate-D7

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



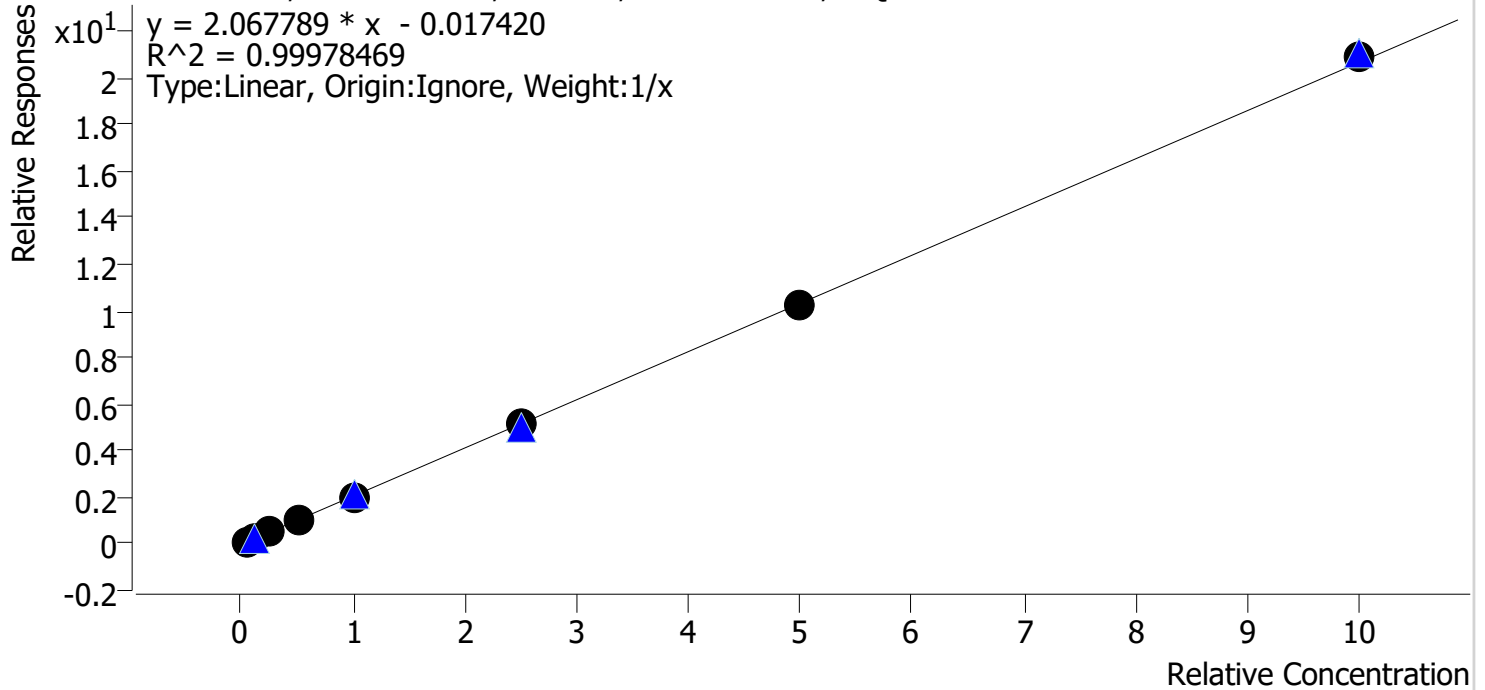
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.7	96.6
cal 3 mdq	3	✓	25.0	26.7	106.9
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdqr	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	490.0	98.0
cal 8 mdq	8	✓	1000.0	952.5	95.2

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone *BW*

**Internal Standard** Methadone-D9

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



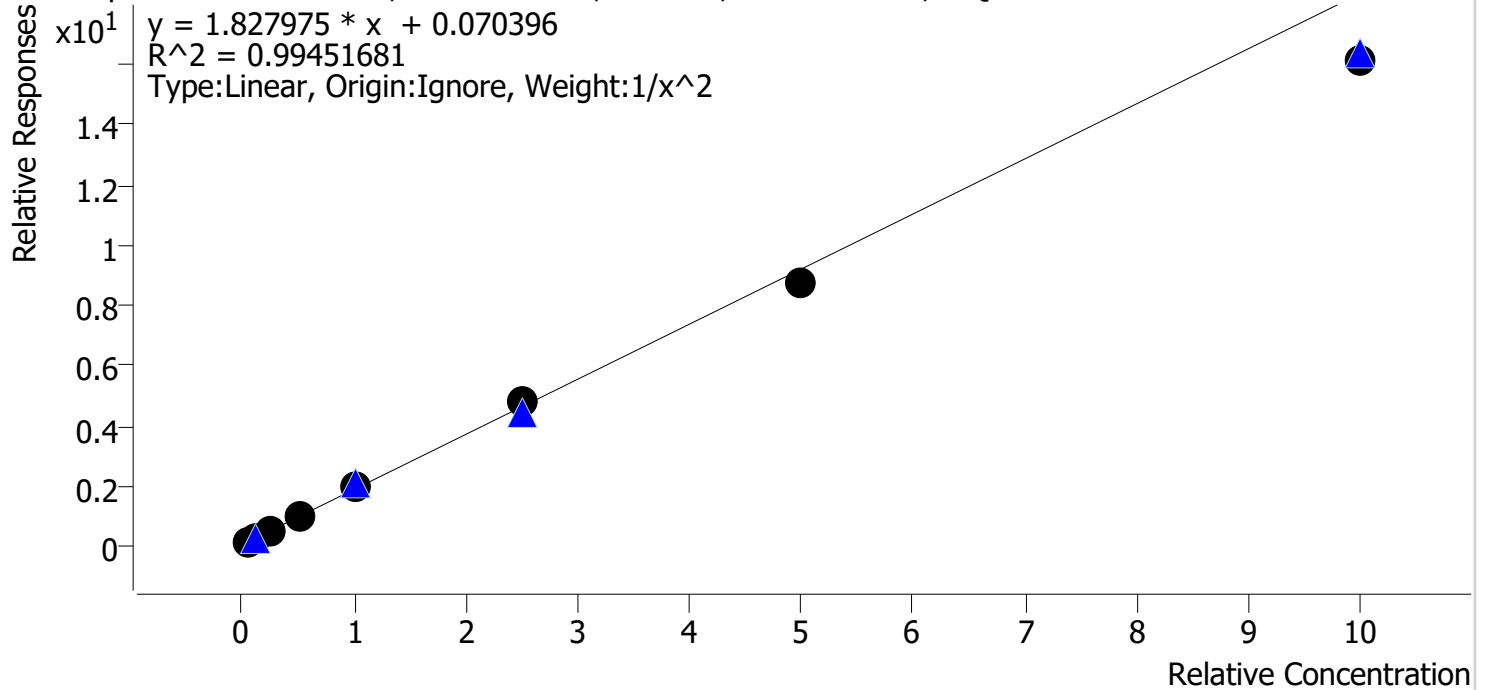
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.5
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	49.4	98.9
cal 5 mdqr	5	✓	100.0	95.2	95.2
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1008.6	100.9

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdqr	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	259.0	103.6
cal 7 mdq	7	✓	500.0	475.4	95.1
cal 8 mdq	8	✓	1000.0	879.4	87.9



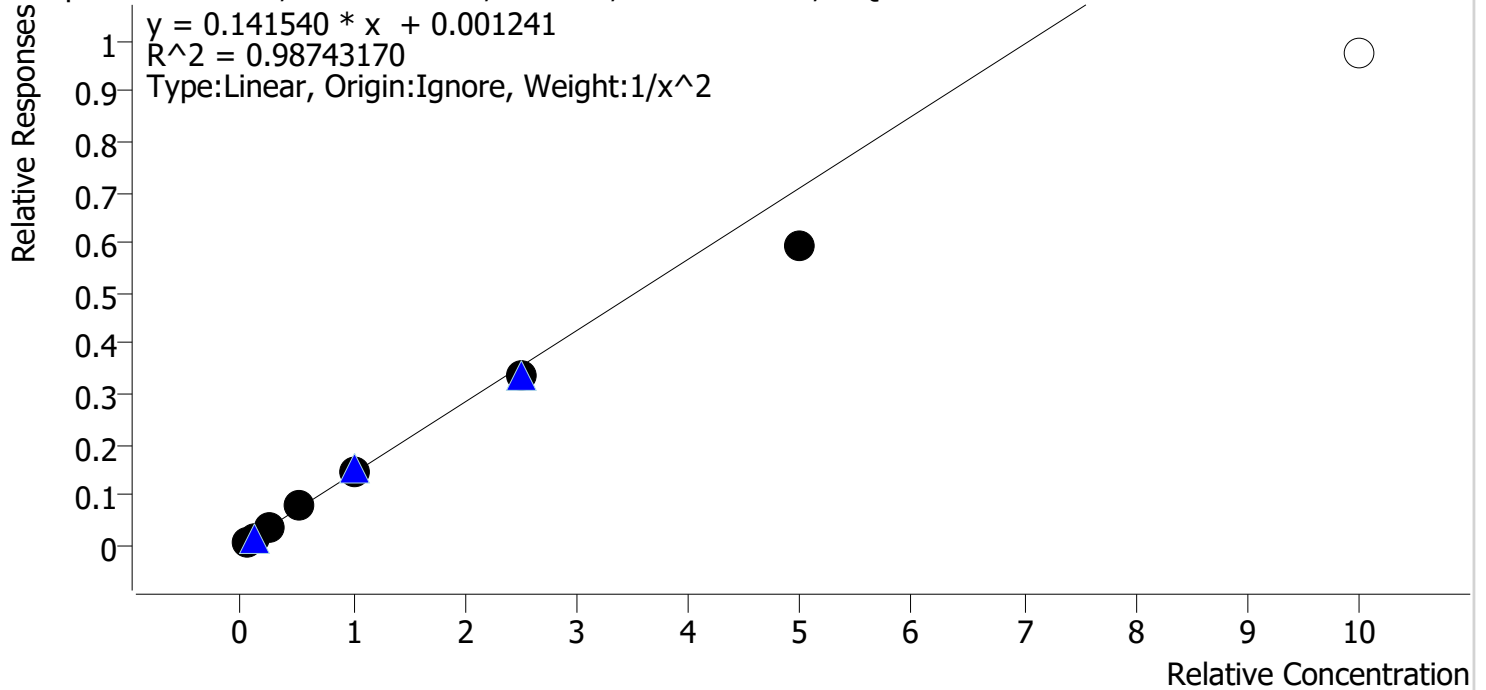
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol

*BW*

**Internal Standard** Doxylamine-D5

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



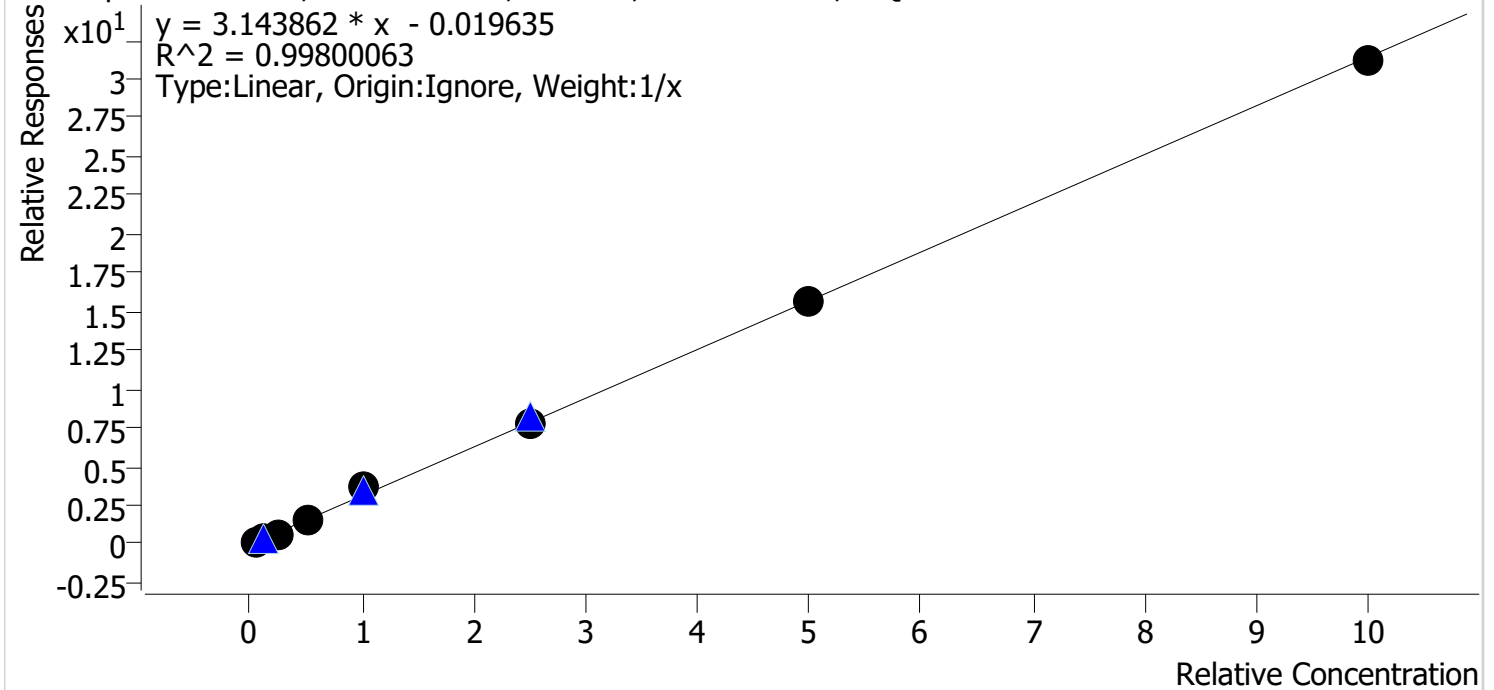
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.8
cal 2 mdq	2	✓	10.0	10.8	107.6
cal 3 mdq	3	✓	25.0	27.0	107.9
cal 4 mdq	4	✓	50.0	55.1	110.1
cal 5 mdqr	5	✓	100.0	101.4	101.4
cal 6 mdq	6	✓	250.0	238.4	95.3
cal 7 mdq	7	✓	500.0	419.3	83.9
cal 8 mdq	8	x	1000.0	687.3	68.7

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.9
cal 2 mdq	2	✓	10.0	8.9	89.0
cal 3 mdq	3	✓	25.0	23.1	92.6
cal 4 mdq	4	✓	50.0	46.3	92.6
cal 5 mdqr	5	✓	100.0	117.0	117.0
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	497.5	99.5
cal 8 mdq	8	✓	1000.0	991.1	99.1

# Compound Calibration Report

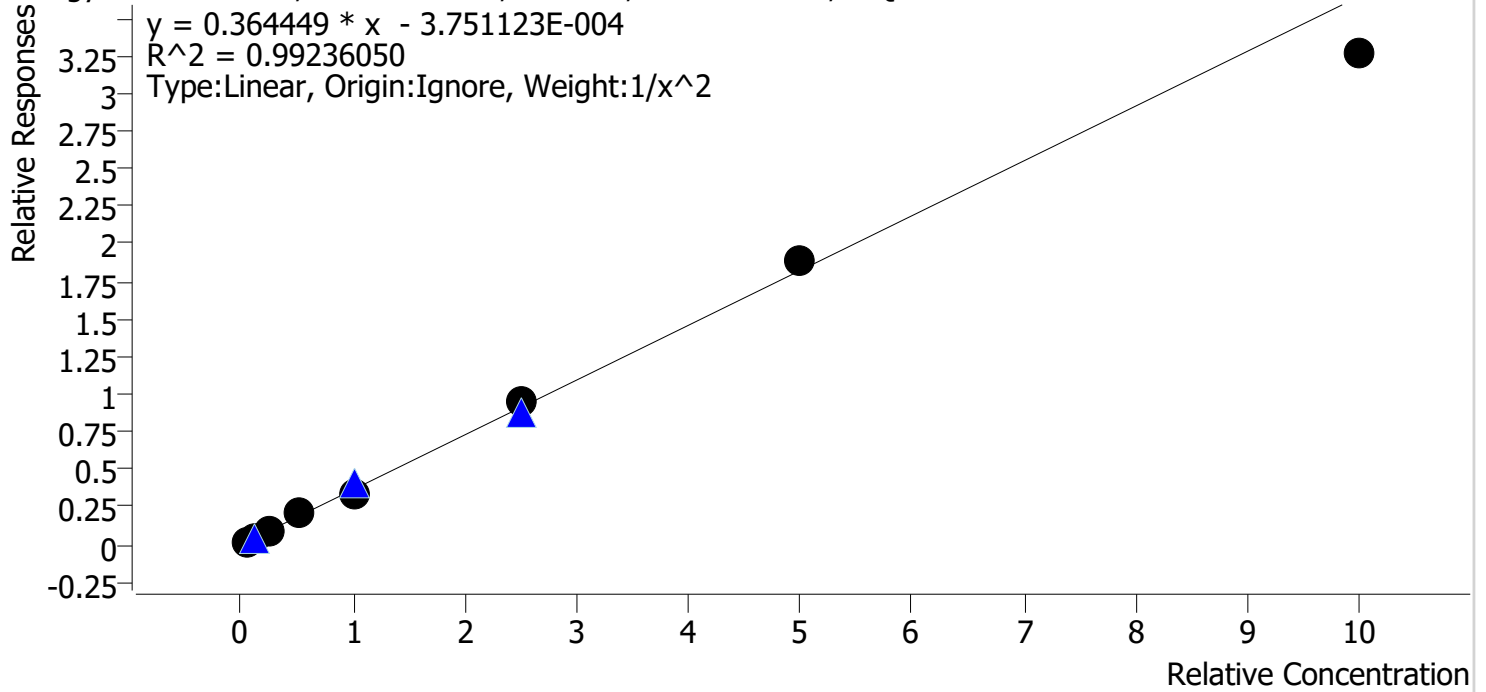
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine

*BW*

**Internal Standard**

Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.2
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	55.3	110.7
cal 5 mdqr	5	✓	100.0	89.0	89.0
cal 6 mdq	6	✓	250.0	261.6	104.6
cal 7 mdq	7	✓	500.0	519.4	103.9
cal 8 mdq	8	✓	1000.0	895.8	89.6

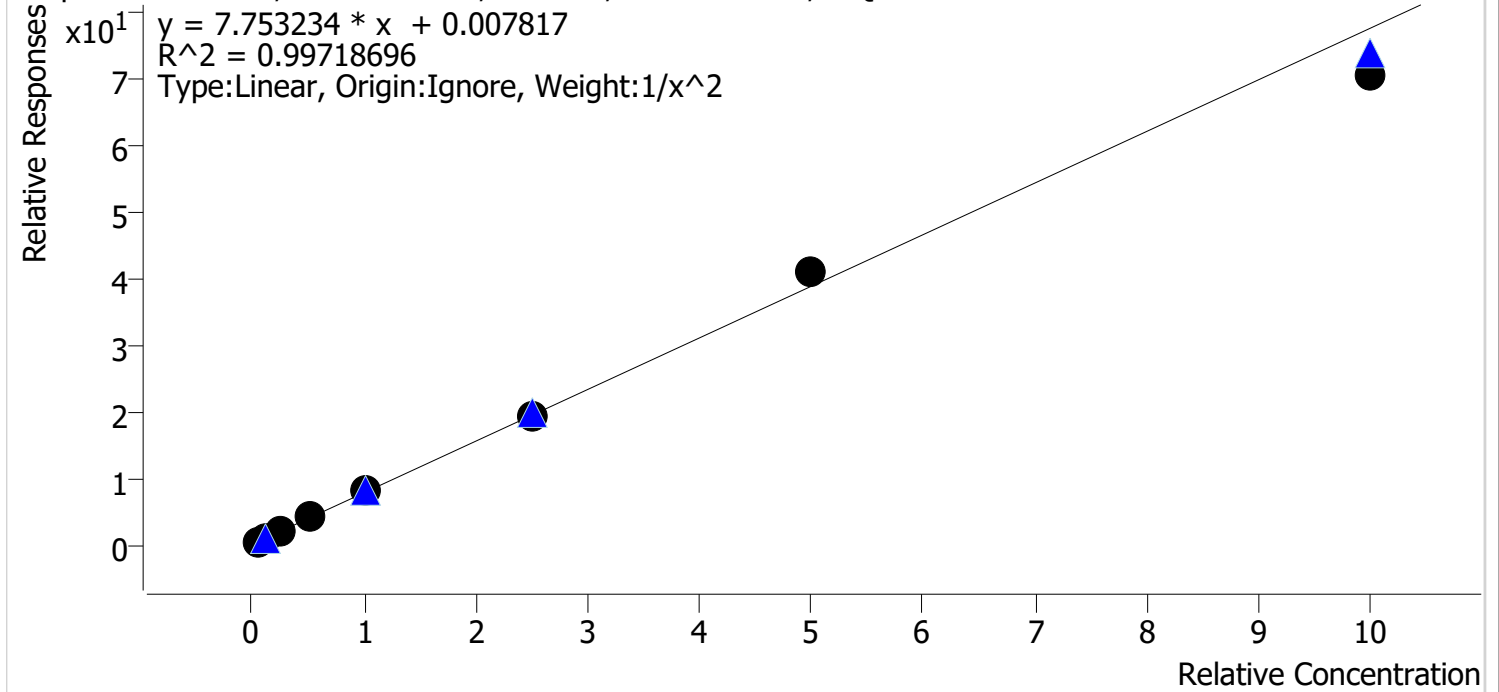
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine

*BW*

**Internal Standard** Morphine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	24.4	97.6
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdqr	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	246.4	98.6
cal 7 mdq	7	✓	500.0	531.3	106.3
cal 8 mdq	8	✓	1000.0	910.0	91.0

# Compound Calibration Report

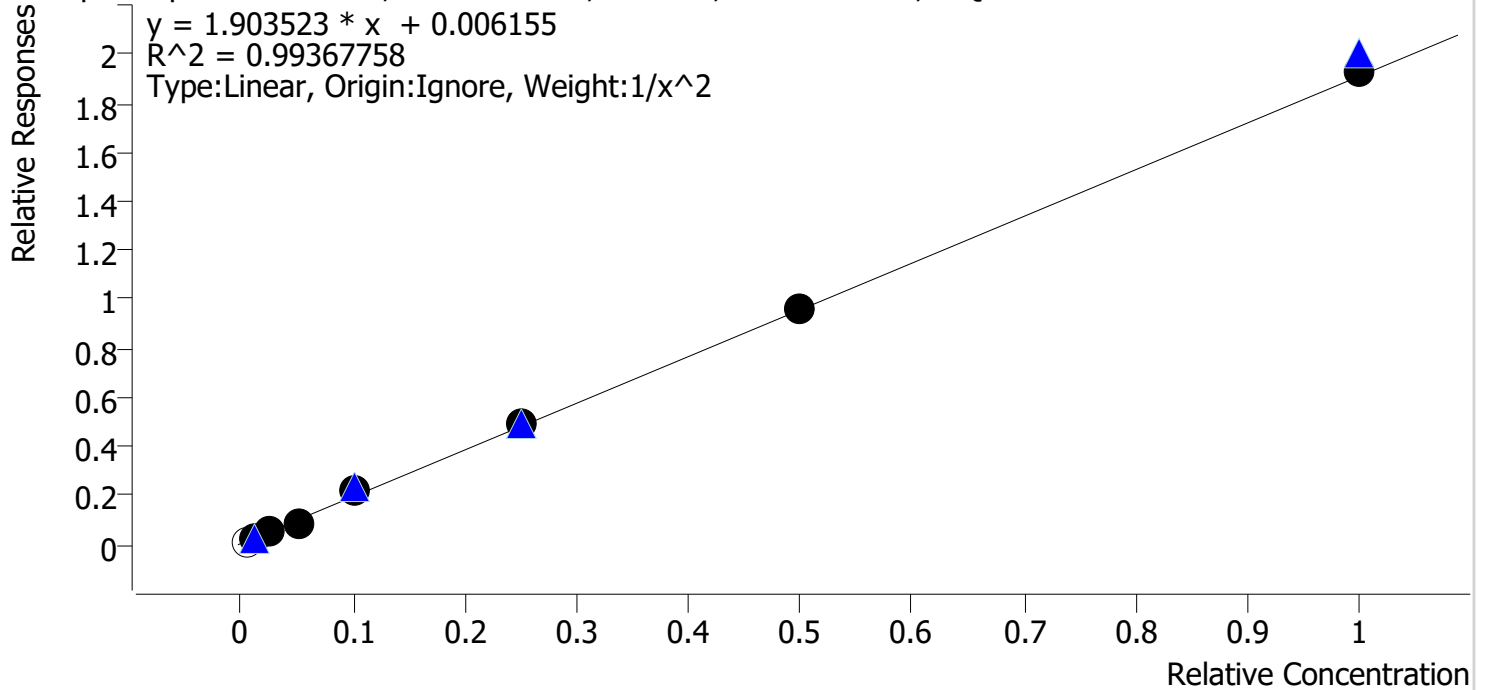
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine

*BW*

**Internal Standard**

Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.3	68.5
cal 2 mdq	2	✓	1.0	1.0	104.2
cal 3 mdq	3	✓	2.5	2.3	91.8
cal 4 mdq	4	✓	5.0	4.5	90.2
cal 5 mdqr	5	✓	10.0	10.9	109.3
cal 6 mdq	6	✓	25.0	25.9	103.5
cal 7 mdq	7	✓	50.0	50.2	100.4
cal 8 mdq	8	✓	100.0	100.7	100.7

# Compound Calibration Report

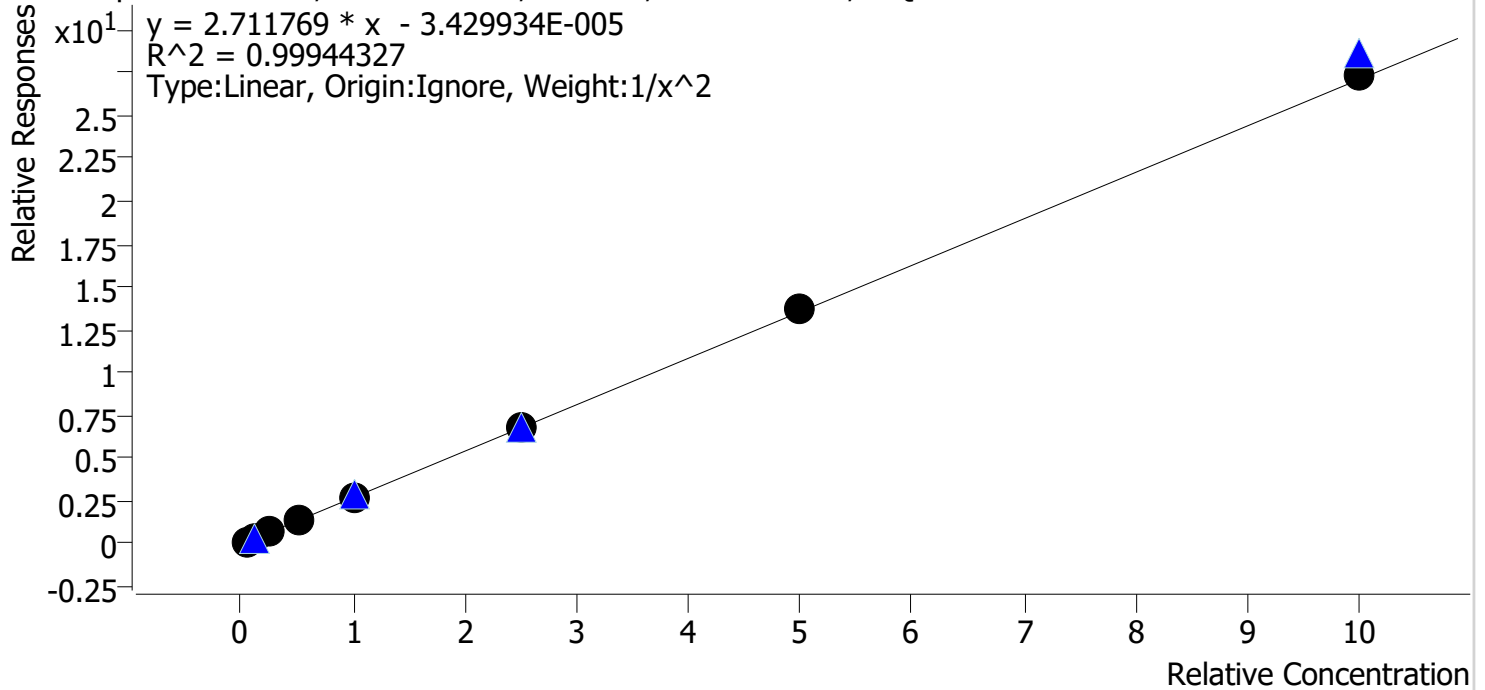
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam

*BW*

**Internal Standard**

Nordiazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	101.0
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	23.9	95.5
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdqr	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	507.4	101.5
cal 8 mdq	8	✓	1000.0	1008.0	100.8

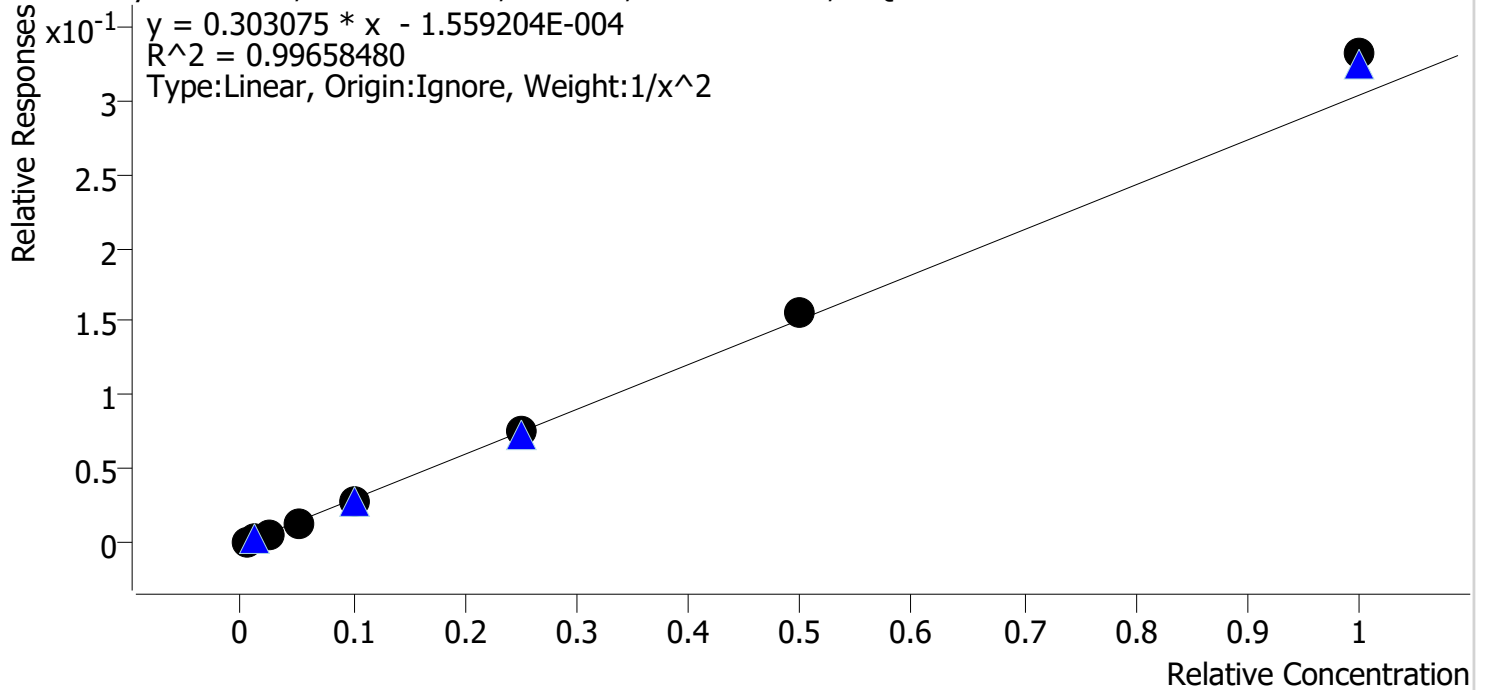
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl

*BW*

**Internal Standard** Norfentanyl-D5

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



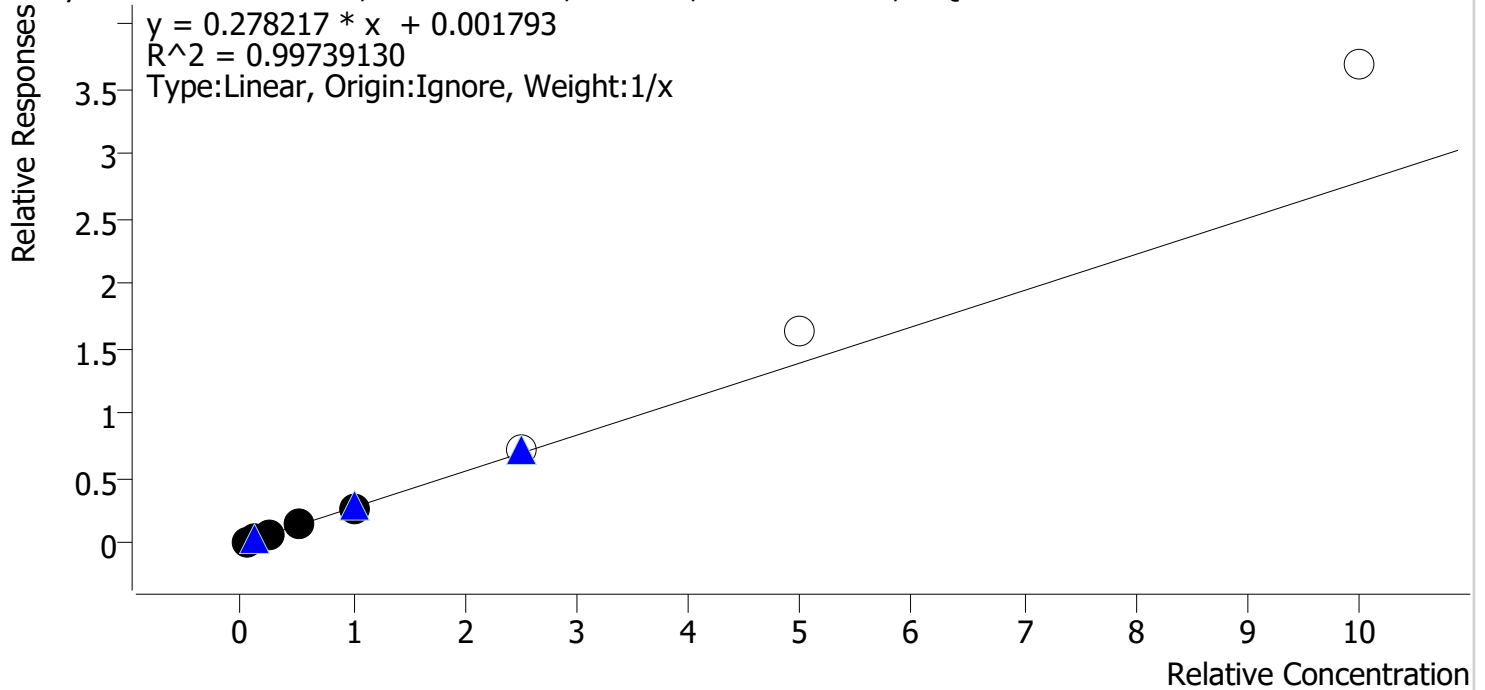
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.5
cal 2 mdq	2	✓	1.0	1.0	95.9
cal 3 mdq	3	✓	2.5	2.4	95.7
cal 4 mdq	4	✓	5.0	4.8	95.8
cal 5 mdqr	5	✓	10.0	9.6	96.2
cal 6 mdq	6	✓	25.0	25.0	99.9
cal 7 mdq	7	✓	50.0	51.9	103.9
cal 8 mdq	8	✓	100.0	109.3	109.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.8
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	22.9	91.4
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdqr	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✗	250.0	263.9	105.5
cal 7 mdq	7	✗	500.0	587.2	117.4
cal 8 mdq	8	✗	1000.0	1328.2	132.8



# Compound Calibration Report

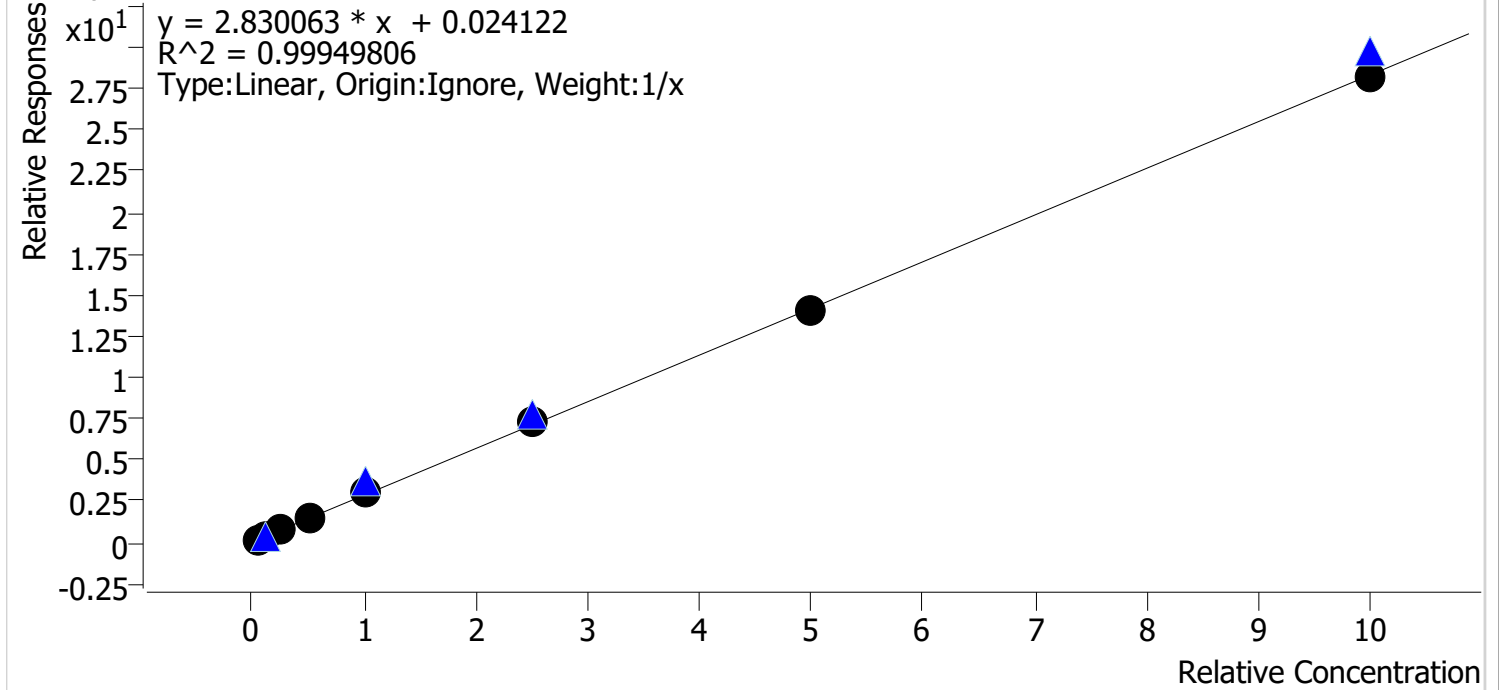
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone

*BW*

**Internal Standard**

Noroxycodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	89.4
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	53.2	106.4
cal 5 mdqr	5	✓	100.0	106.7	106.7
cal 6 mdq	6	✓	250.0	253.3	101.3
cal 7 mdq	7	✓	500.0	494.8	99.0
cal 8 mdq	8	✓	1000.0	992.4	99.2

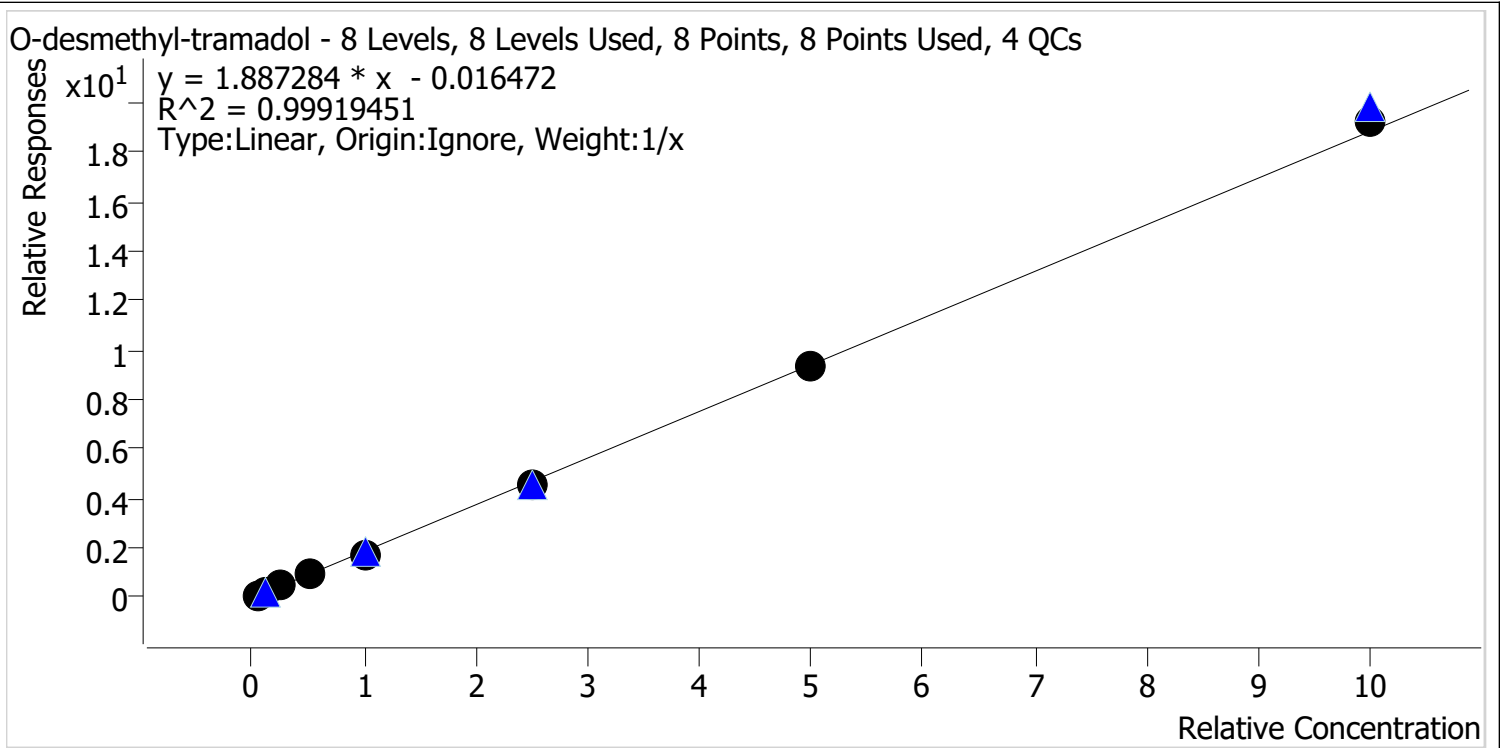
# Compound Calibration Report

**Batch results**      D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update**    7/17/2020 10:10 AM  
**Analyst Name**        ISP\datastor  
**Analyte**                O-desmethyl-tramadol

*BW*

**Internal Standard**

O-desmethyl-tramadol-D6



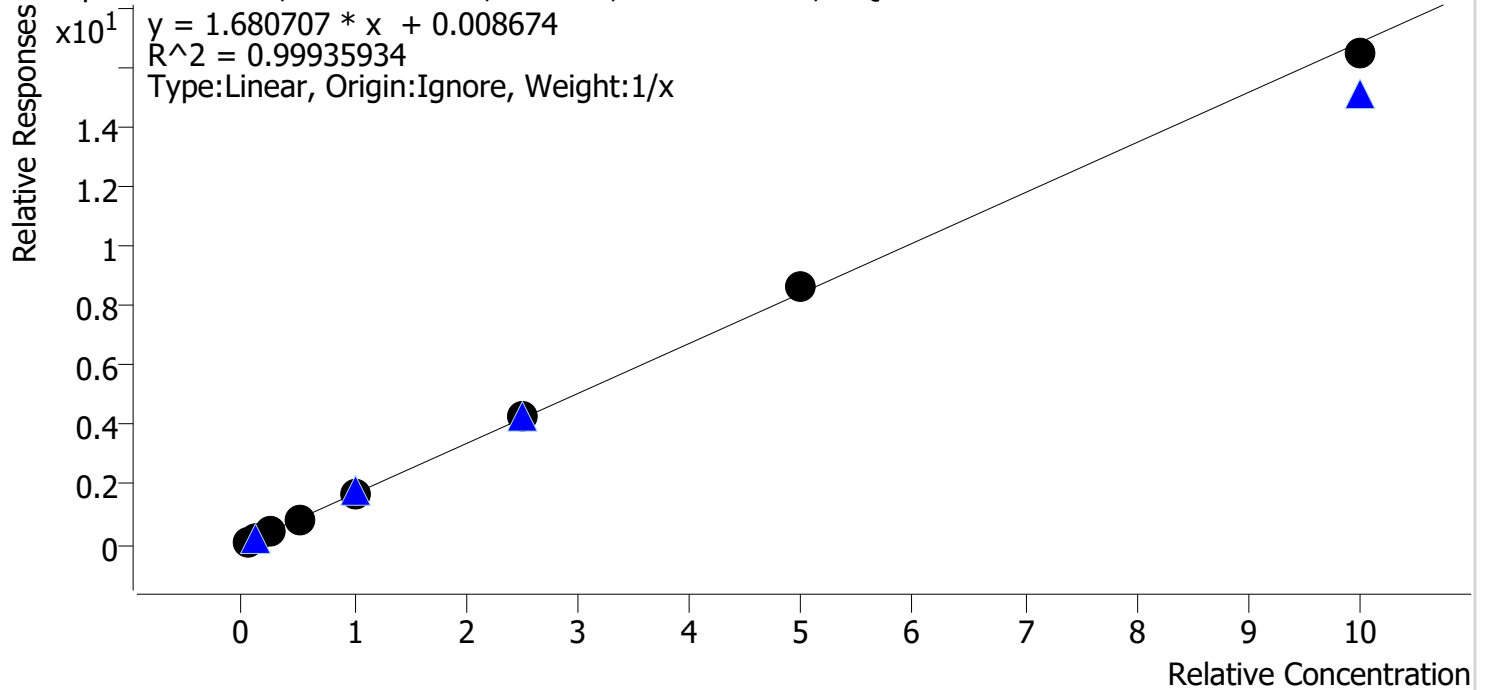
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	113.2
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	48.2	96.5
cal 5 mdqr	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	240.2	96.1
cal 7 mdq	7	✓	500.0	494.1	98.8
cal 8 mdq	8	✓	1000.0	1022.7	102.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.0
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdqr	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	256.6	102.6
cal 7 mdq	7	✓	500.0	513.8	102.8
cal 8 mdq	8	✓	1000.0	977.4	97.7

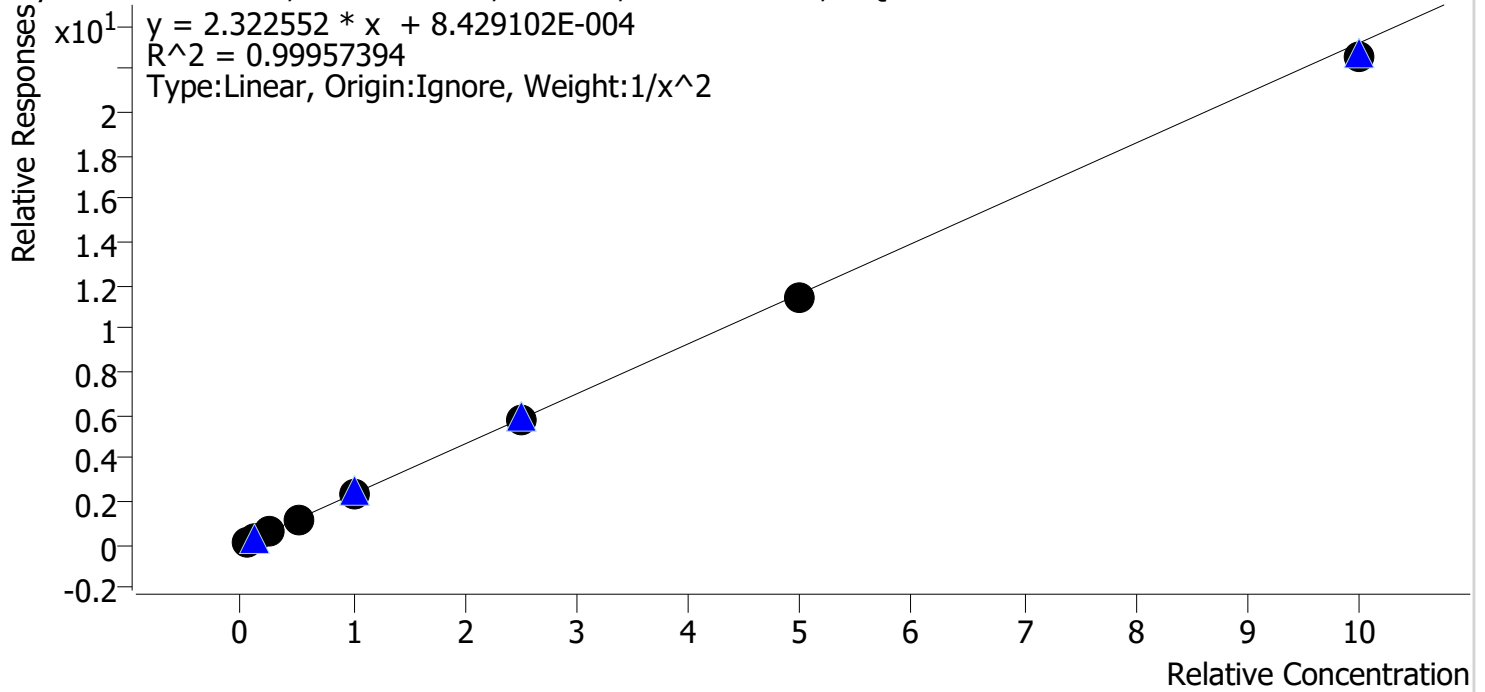
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone

*BW*

**Internal Standard** Oxycodone-D6

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



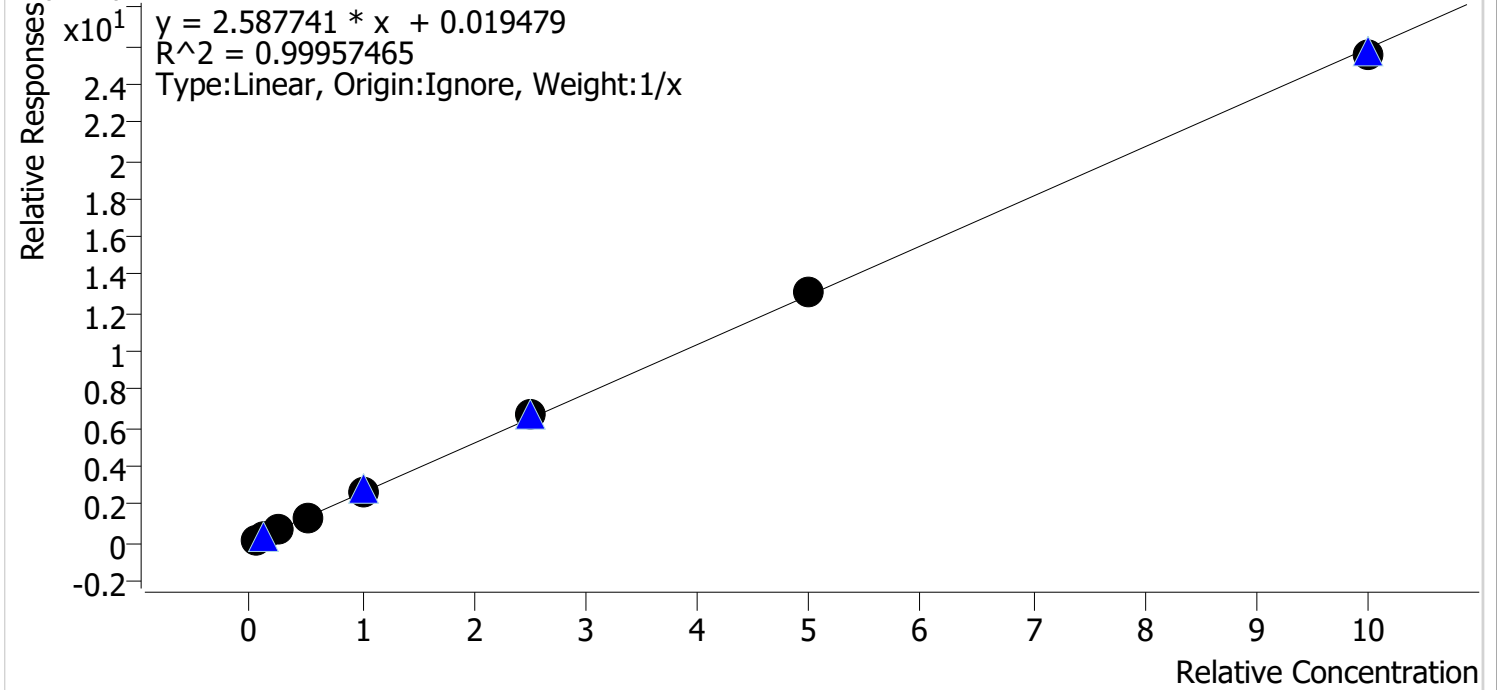
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	50.7	101.3
cal 5 mdqr	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	490.1	98.0
cal 8 mdq	8	✓	1000.0	972.5	97.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	92.8
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	51.9	103.8
cal 5 mdqr	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	257.2	102.9
cal 7 mdq	7	✓	500.0	504.3	100.9
cal 8 mdq	8	✓	1000.0	983.5	98.4

# Compound Calibration Report

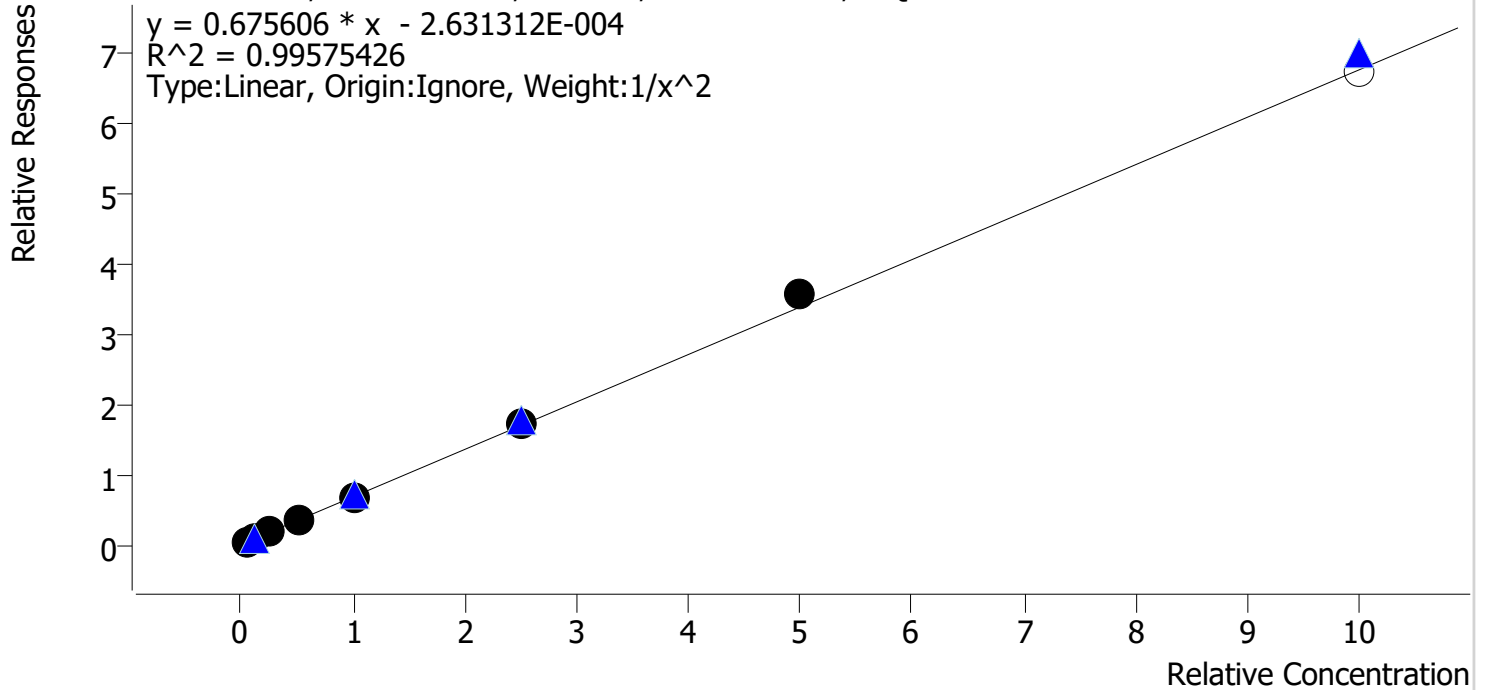
**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine

*BW*

**Internal Standard**

Phentermine-D5

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



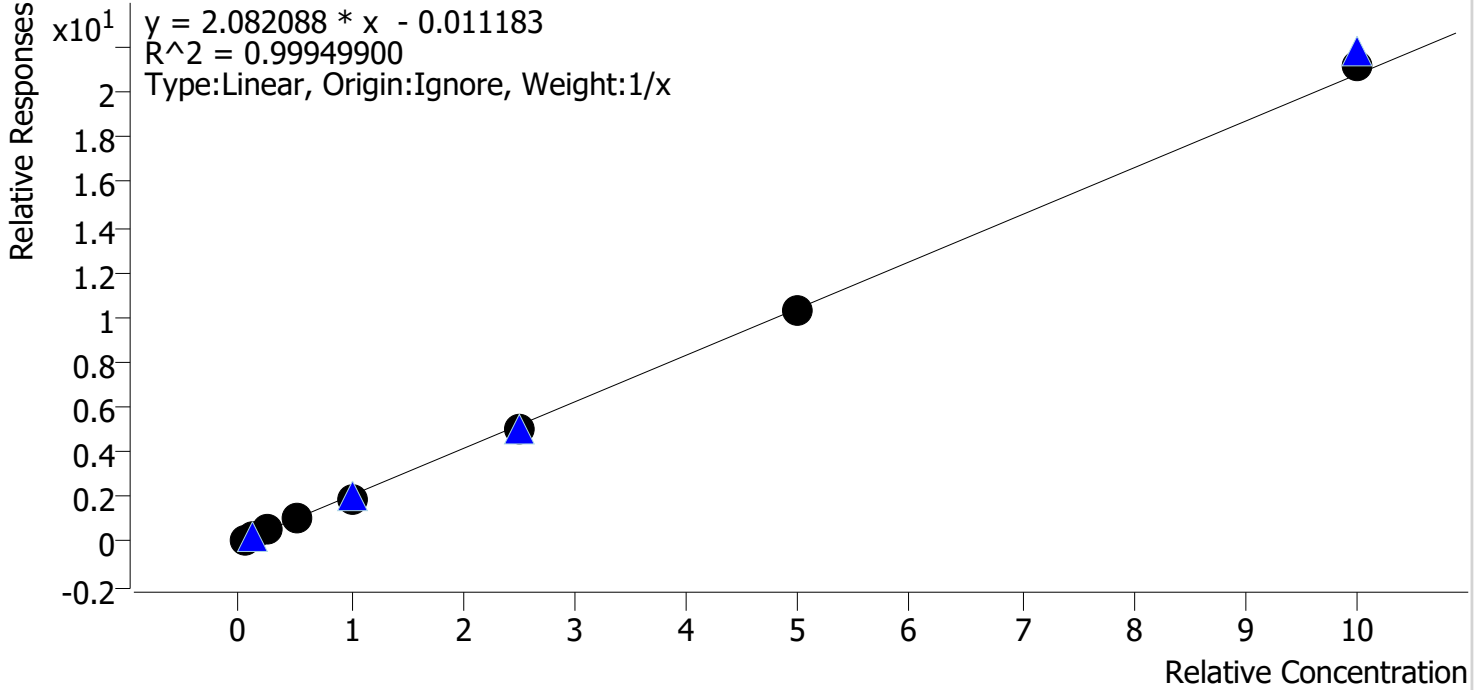
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	9.1	90.9
cal 3 mdq	3	✓	25.0	23.9	95.7
cal 4 mdq	4	✓	50.0	51.3	102.5
cal 5 mdqr	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	257.6	103.0
cal 7 mdq	7	✓	500.0	527.8	105.6
cal 8 mdq	8	✗	1000.0	999.3	99.9

# Compound Calibration Report

*BW*

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.9
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	49.8	99.7
cal 5 mdqr	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	244.2	97.7
cal 7 mdq	7	✓	500.0	492.4	98.5
cal 8 mdq	8	✓	1000.0	1018.3	101.8

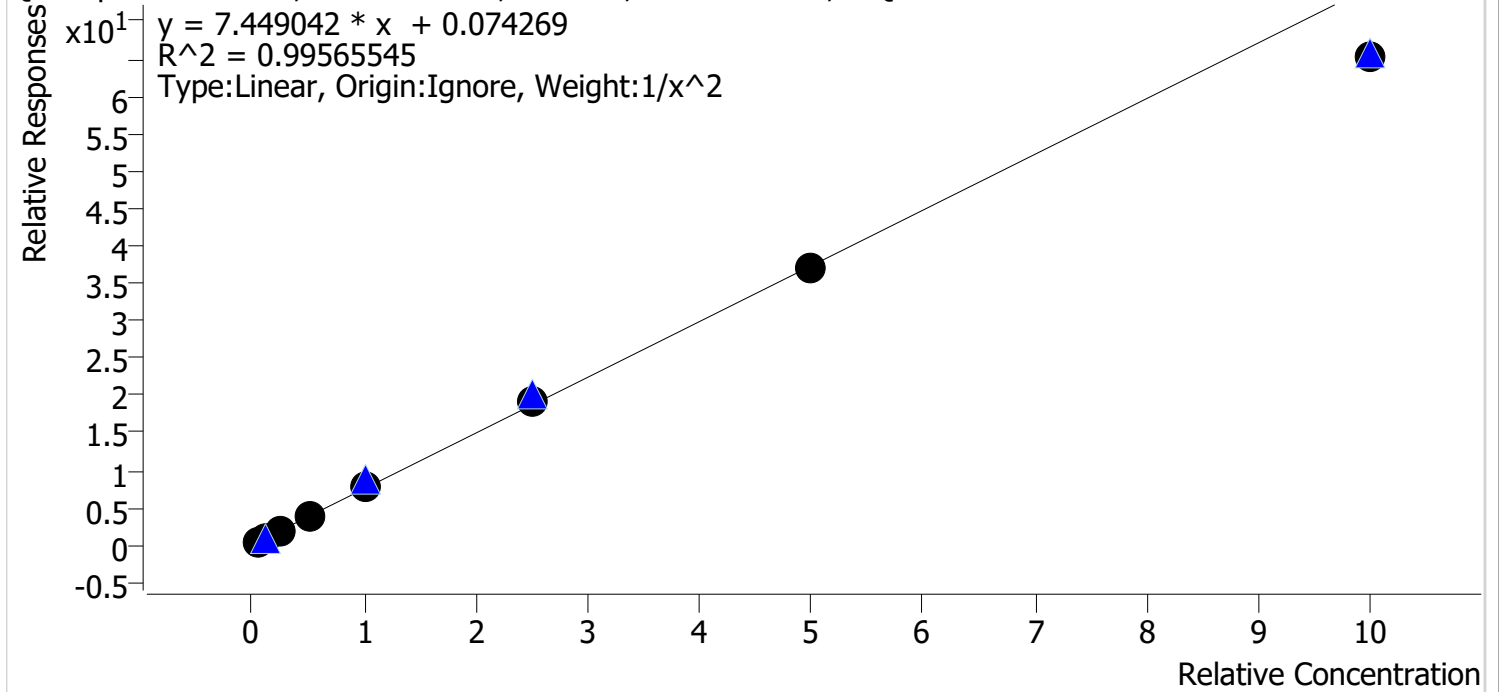
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine

*BW*

**Internal Standard** Quetiapine-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	53.7	107.5
cal 5 mdqr	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	259.9	104.0
cal 7 mdq	7	✓	500.0	497.4	99.5
cal 8 mdq	8	✓	1000.0	878.5	87.8

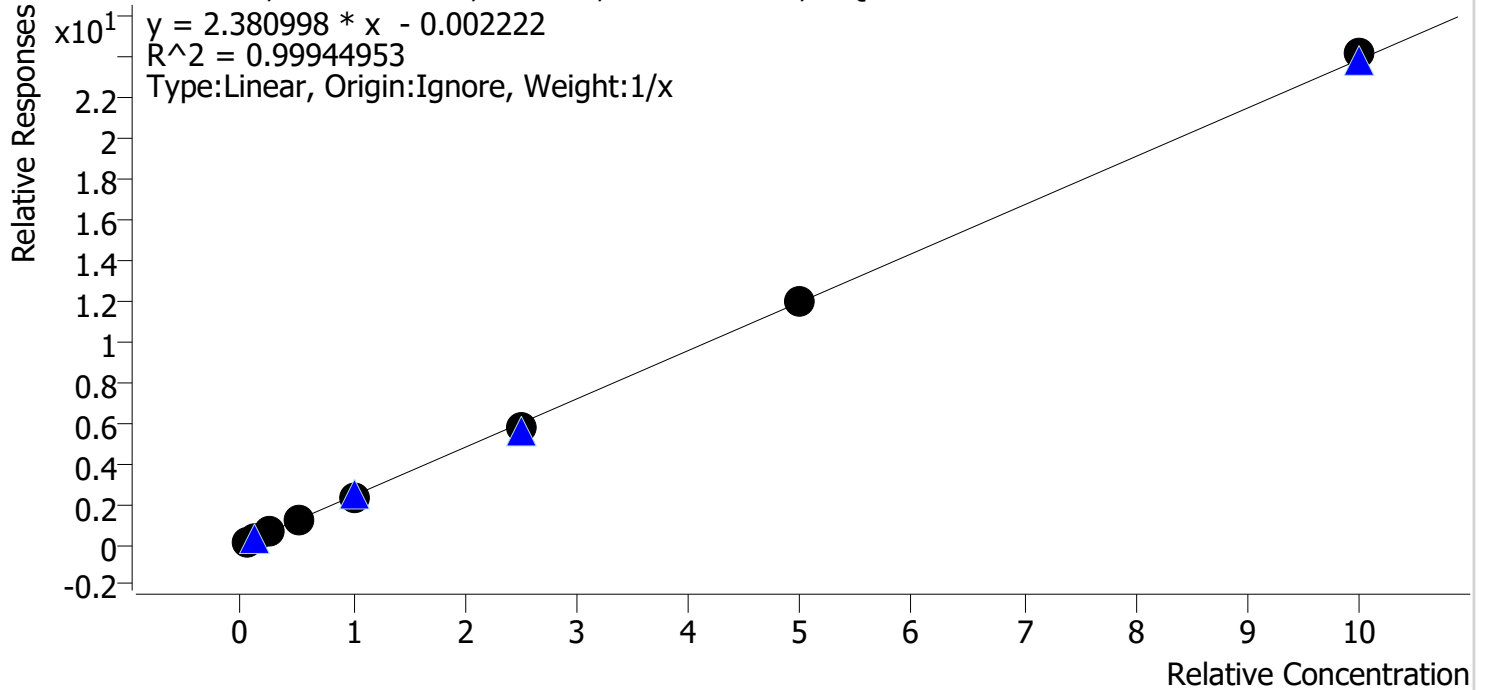


# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline *BW*

**Internal Standard** Sertraline-D3

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



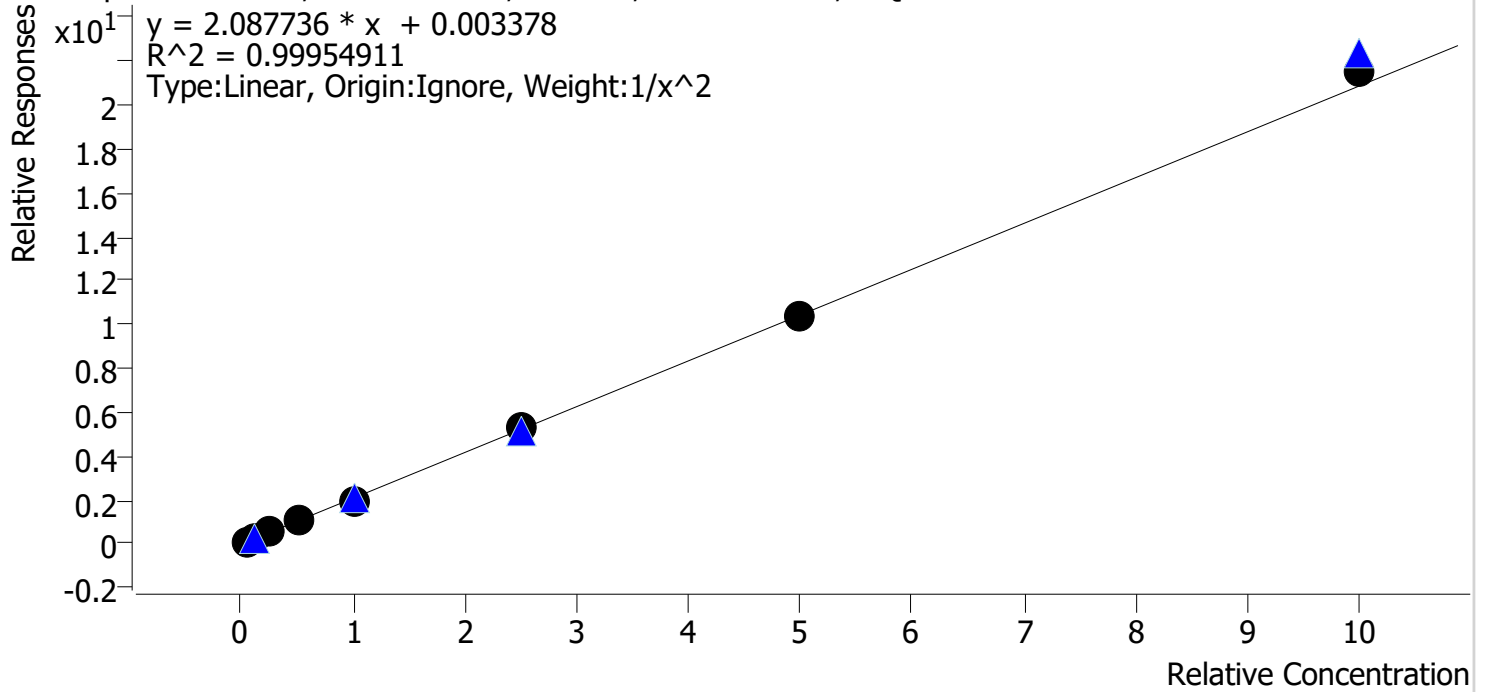
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.3
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdqr	5	✓	100.0	94.0	94.0
cal 6 mdq	6	✓	250.0	240.1	96.1
cal 7 mdq	7	✓	500.0	502.3	100.5
cal 8 mdq	8	✓	1000.0	1012.5	101.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

*BW*

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



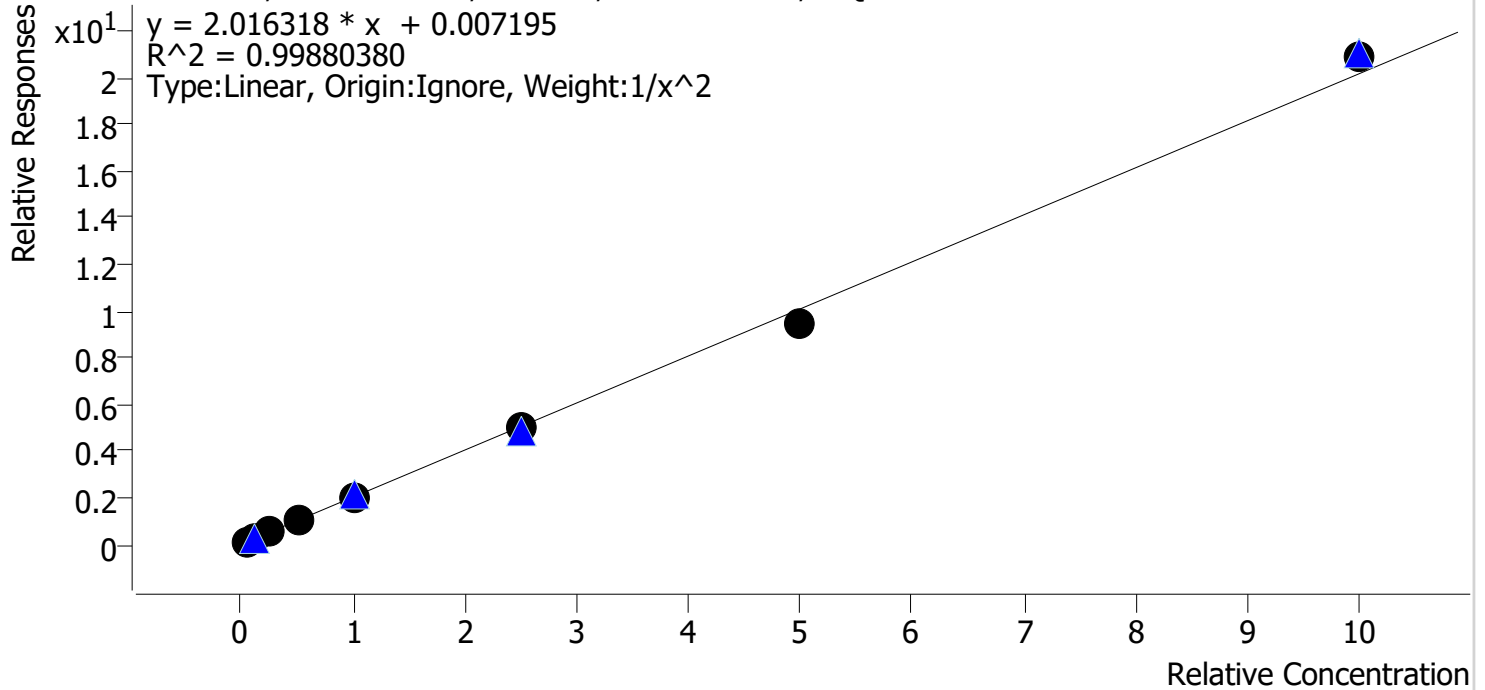
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdqr	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	498.8	99.8
cal 8 mdq	8	✓	1000.0	1030.2	103.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

*BW*

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.0	102.1
cal 5 mdqr	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	248.9	99.6
cal 7 mdq	7	✓	500.0	467.4	93.5
cal 8 mdq	8	✓	1000.0	1033.8	103.4

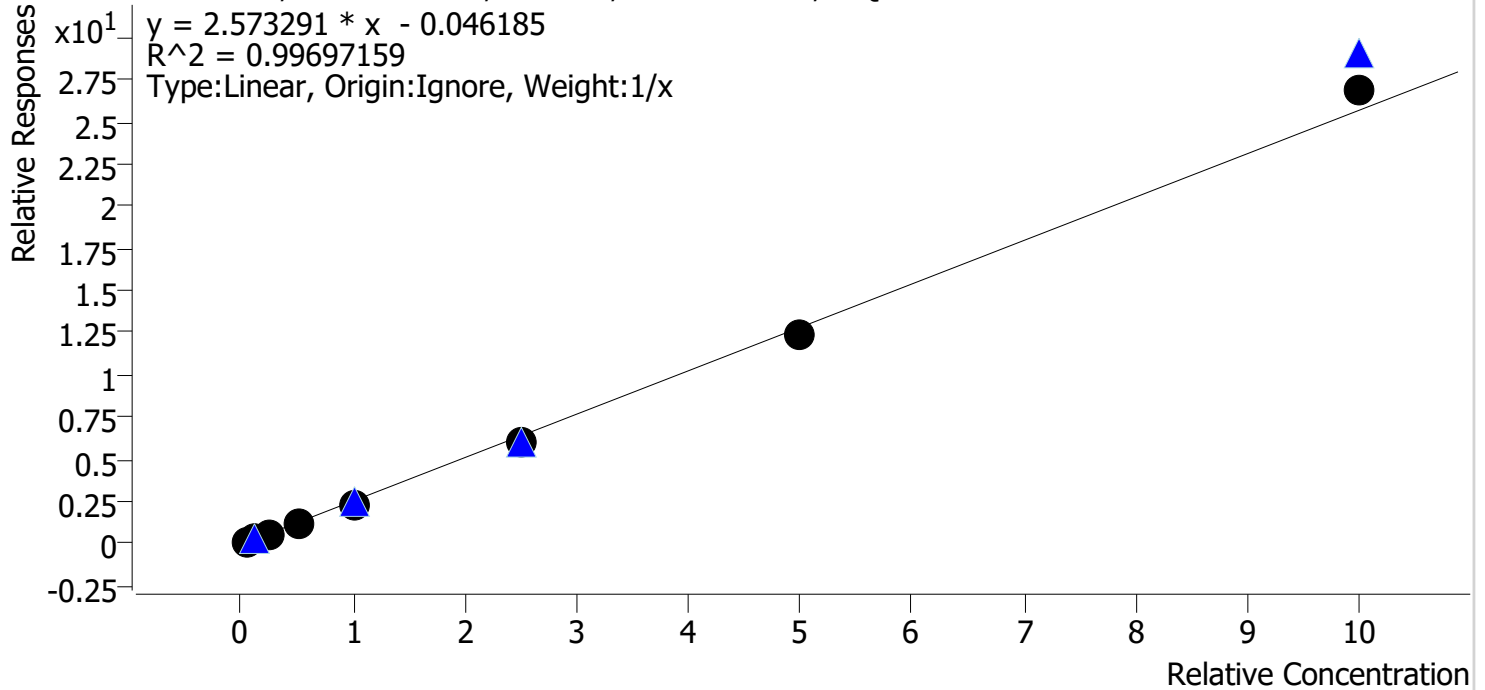
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone

*BW*

**Internal Standard** Trazodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.1	122.5
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	46.4	92.7
cal 5 mdqr	5	✓	100.0	91.3	91.3
cal 6 mdq	6	✓	250.0	233.2	93.3
cal 7 mdq	7	✓	500.0	481.2	96.2
cal 8 mdq	8	✓	1000.0	1047.3	104.7

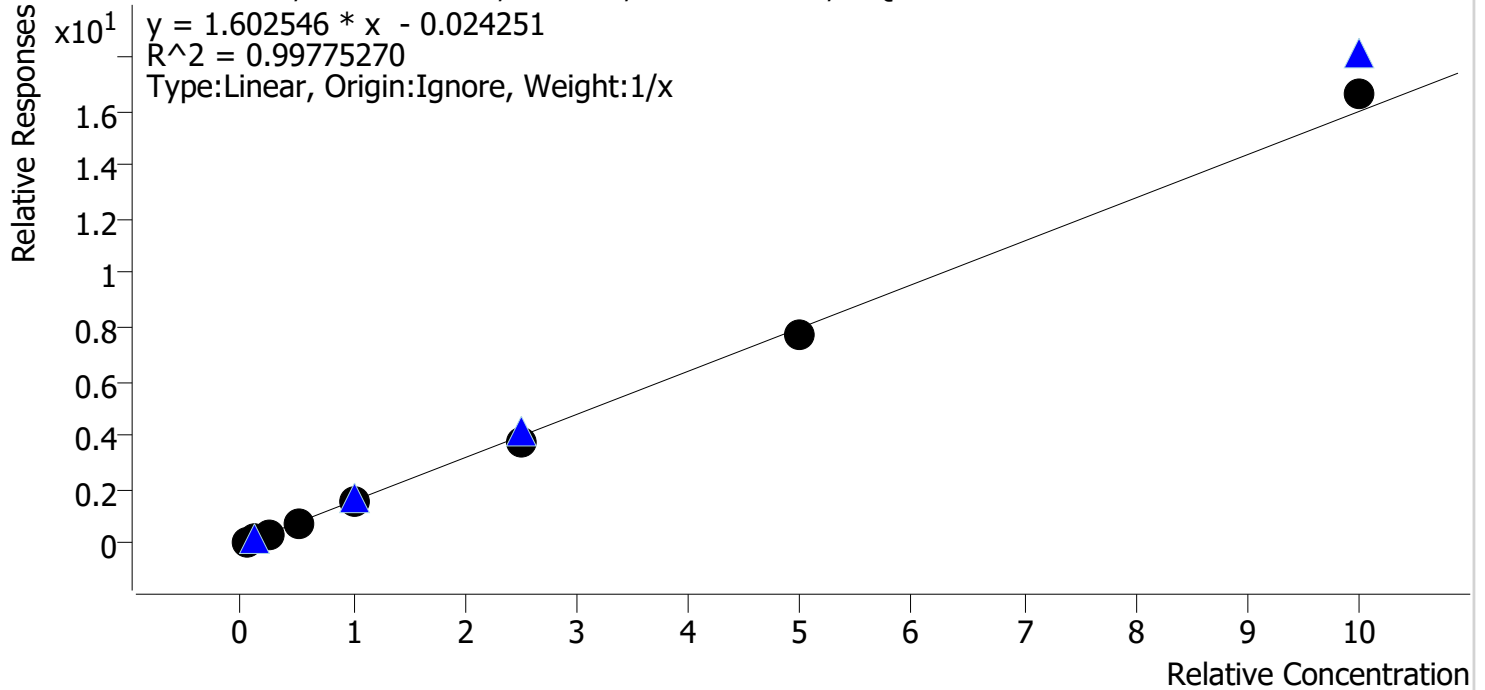
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine

*BW*

**Internal Standard** Venlafaxine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.8	116.7
cal 2 mdq	2	✓	10.0	10.3	103.5
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	47.6	95.3
cal 5 mdqr	5	✓	100.0	94.7	94.7
cal 6 mdq	6	✓	250.0	234.7	93.9
cal 7 mdq	7	✓	500.0	481.0	96.2
cal 8 mdq	8	✓	1000.0	1041.8	104.2

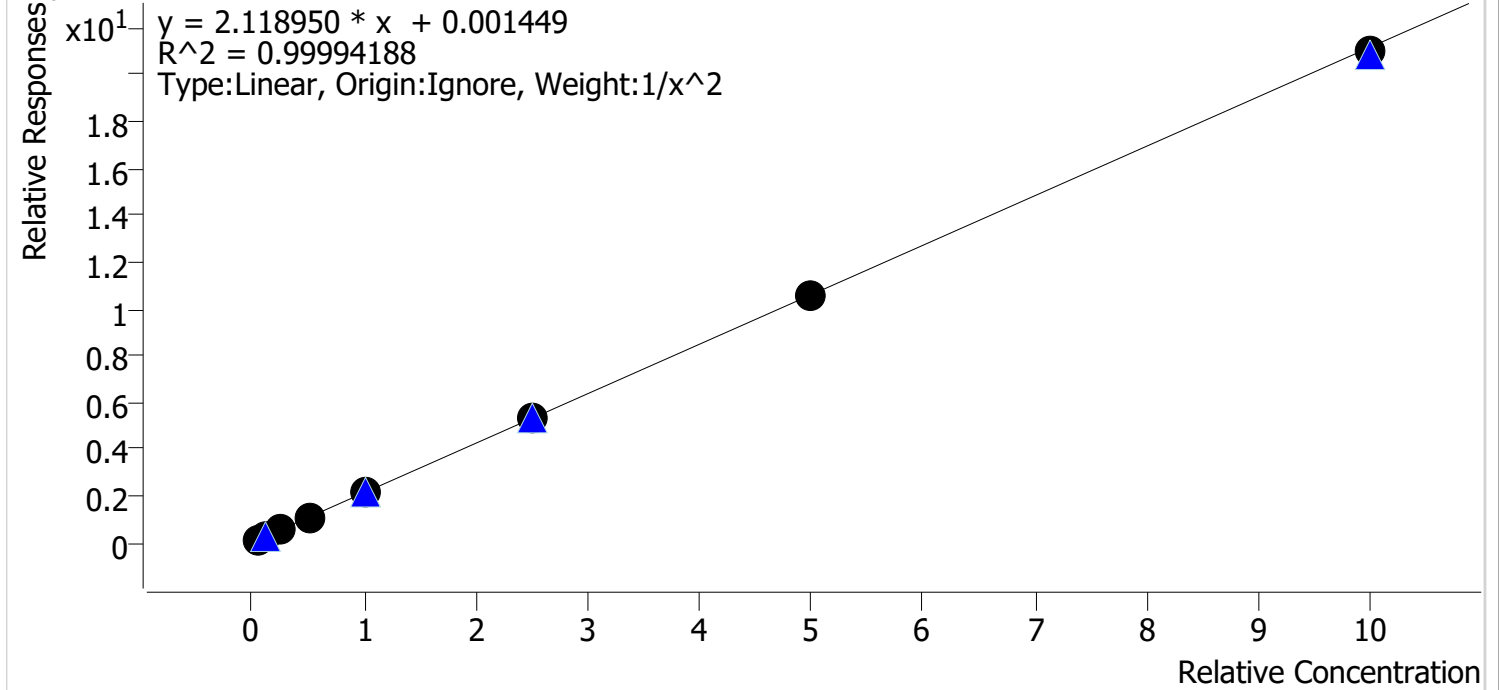
# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem

*BW*

**Internal Standard** Zolpidem-D6

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



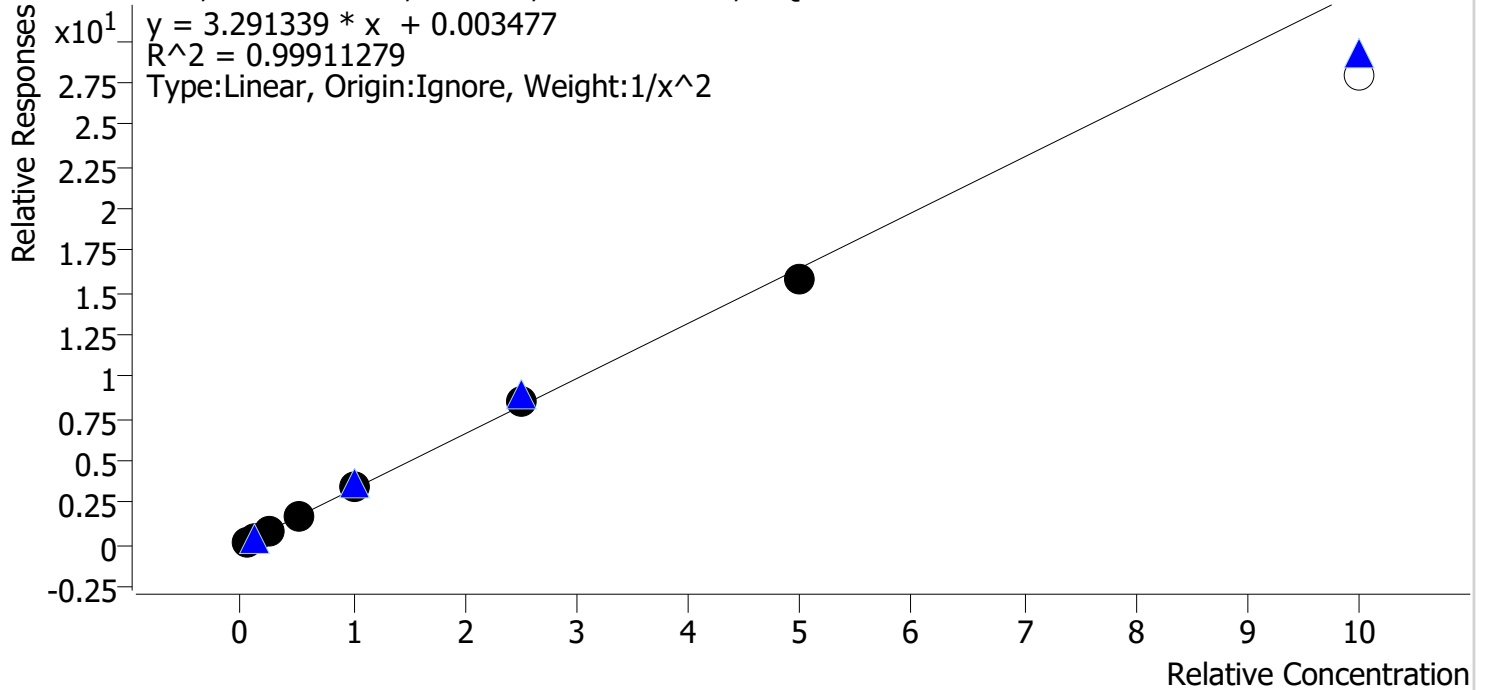
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdqr	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	250.0	100.0
cal 7 mdq	7	✓	500.0	497.4	99.5
cal 8 mdq	8	✓	1000.0	991.2	99.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA *BW*

**Internal Standard** MDA-D5

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



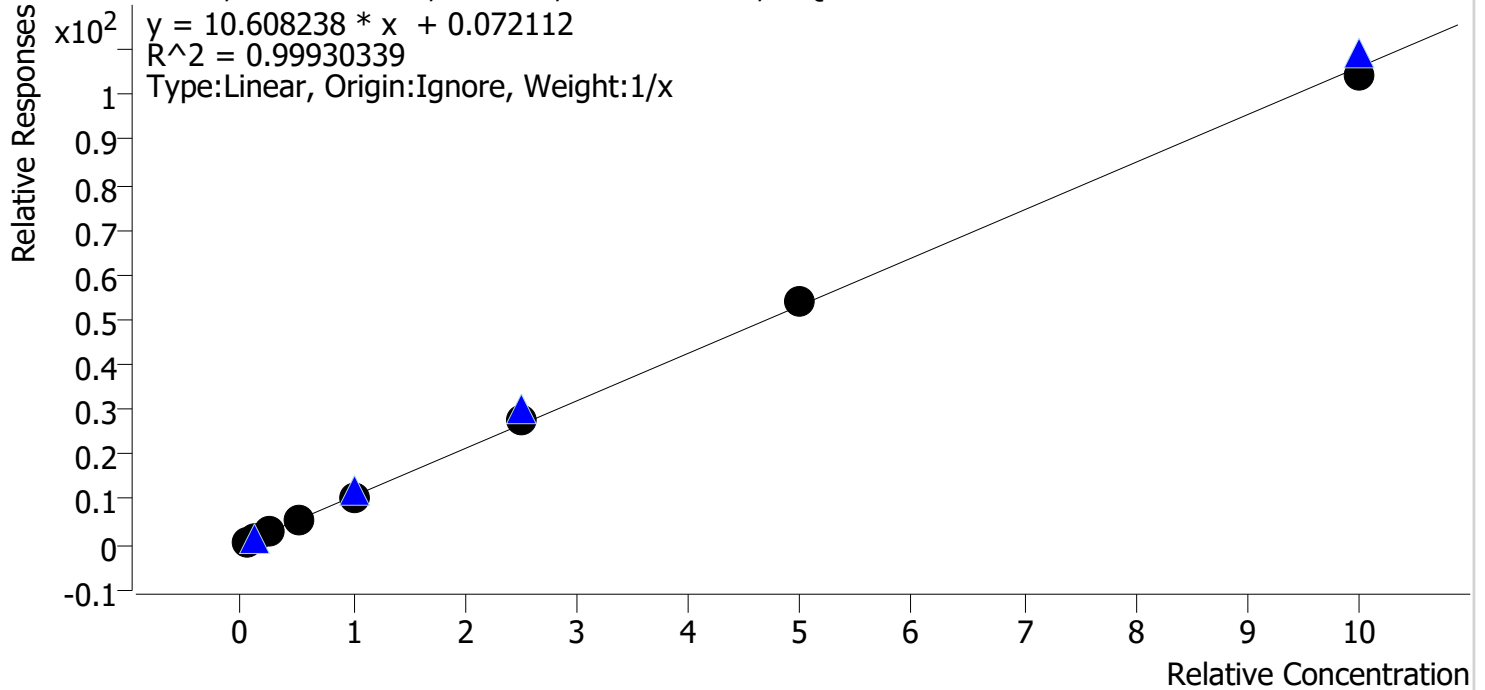
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdqr	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	259.2	103.7
cal 7 mdq	7	✓	500.0	480.3	96.1
cal 8 mdq	8	✗	1000.0	851.2	85.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA *BW*

**Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.4
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdqr	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	263.8	105.5
cal 7 mdq	7	✓	500.0	506.1	101.2
cal 8 mdq	8	✓	1000.0	981.2	98.1

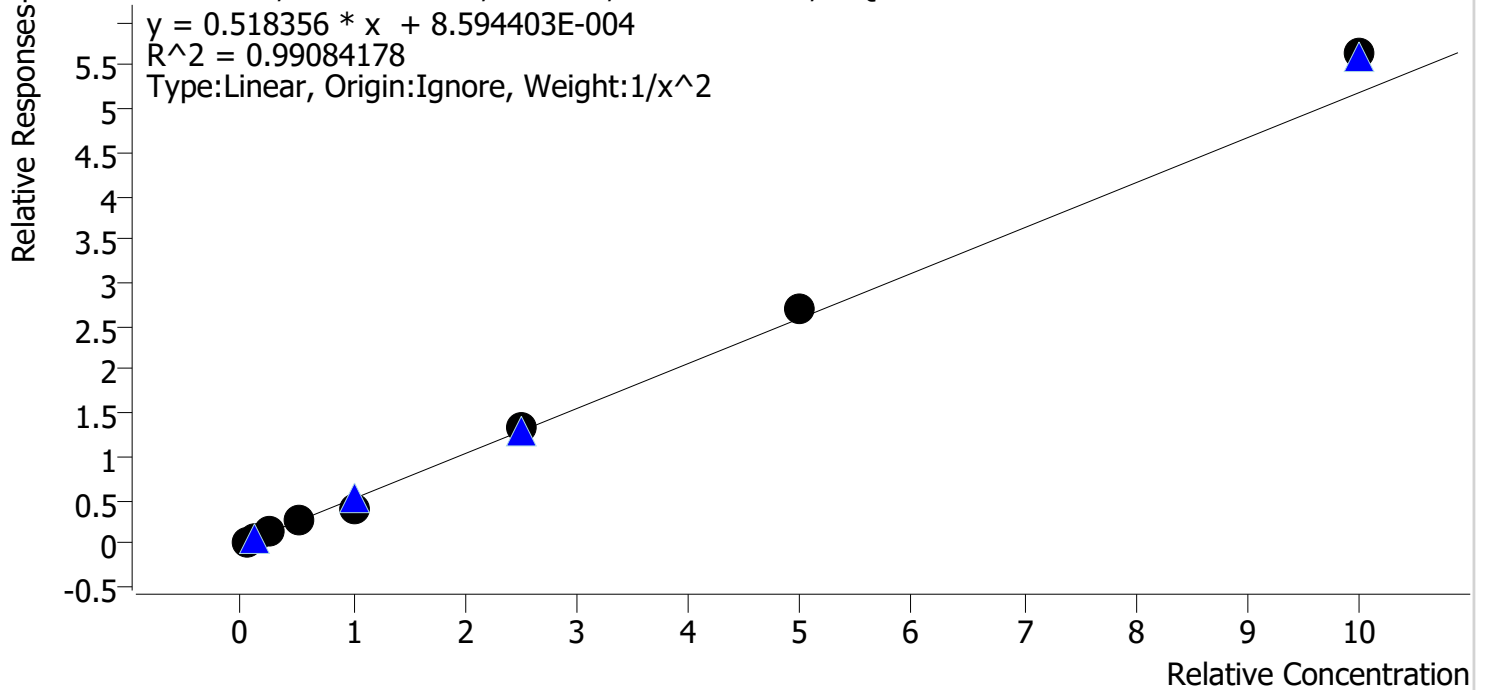


# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Last Cal. Update** 7/17/2020 10:10 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

*BW*

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



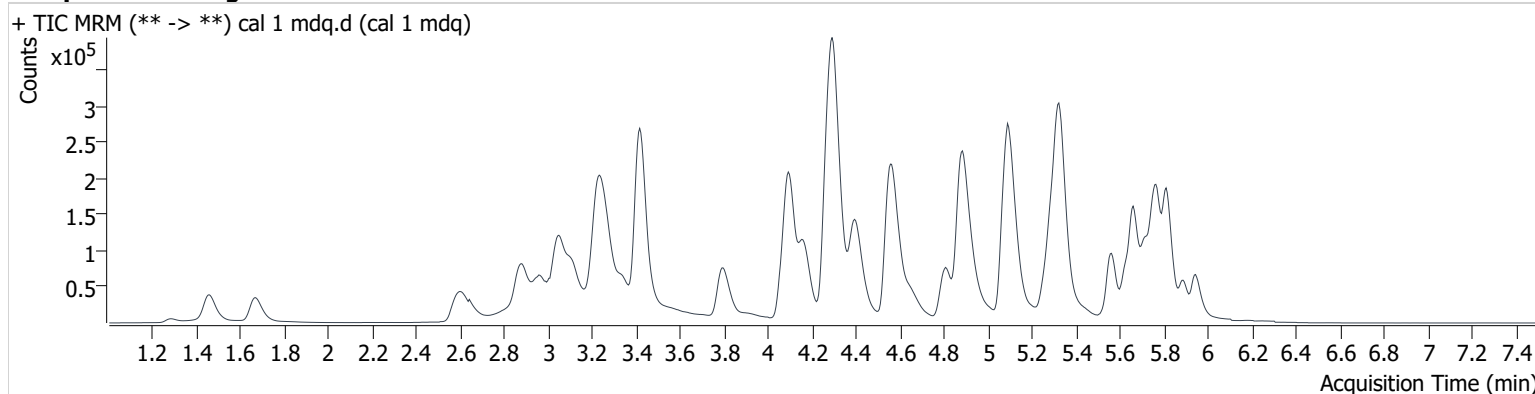
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdqr	5	✓	100.0	80.6	80.6
cal 6 mdq	6	✓	250.0	257.5	103.0
cal 7 mdq	7	✓	500.0	523.2	104.6
cal 8 mdq	8	✓	1000.0	1086.4	108.6

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 1 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 1 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 4:14:12 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.177	743	768.7	95.1	5005.5	36772	0.486 ng/ml
7-aminoclonazepam	4.303	20328	6196.4	97.7	15614.7	161016	4.971 ng/ml
a-hydroxyalprazolam	5.702	3487	767.6	63.5	8604.9	37299	4.966 ng/ml
alpha-PHP	4.965	10683	149.9	245.3	572.2	397406	5.020 ng/ml
alpha-PVP	4.402	48849	10723.9	47.2	1517.4	397406	5.280 ng/ml
Alprazolam	5.776	18687	5082.8	128.5	4002.6	160112	5.962 ng/ml
Amphetamine	3.115	76140	2178.9	51.2	1201.4	267143	4.977 ng/ml
Benzoylcegonine	3.925	1545	250.1	6.7	684.1	10049	6.209 ng/ml
Buprenorphine	5.696	354	102.4	9.4 <b>Low</b>	49.4	19526	0.864 ng/ml
Bupropion	4.821	36462	7775.7	67.2	375.5	242672	4.930 ng/ml
Carisoprodol	5.726	14320	4041.7	67.8	446.0	136581	5.107 ng/ml
Citalopram	5.261	20394	1273.2	37.4	55286.9	184069	5.292 ng/ml
Clonazepam	5.625	19835	2138.2	29.9	2510.7	64571	4.843 ng/ml
Cocaine	4.302	43530	13284.3	44.4	19216.5	631063	4.990 ng/ml
Codeine	2.644	4500	1229.4	123.2	7586.1	50312	5.133 ng/ml
Cyclobenzaprine	5.632	14429	83039.6	9.9	663.1	100871	5.152 ng/ml
Dextromethorphan	5.300	13776	7747.5	86.0	49502.6	139849	5.143 ng/ml
Dextrophan	4.166	11777	128749.2	220.7	5087.8	283880	5.167 ng/ml
Diazepam	5.947	15135	4763.3	91.8	4422.1	142243	4.937 ng/ml
Dihydrocodeine	2.618	12386	1773.5	60.1	322.8	5229	4.916 ng/ml
Diphenhydramine	5.326	67317	3968.2	27.9	1058.4	684311	5.357 ng/ml
Doxylamine	4.574	99547	8802.7	103.4	13937.0	840995	5.041 ng/ml
EDDP	5.299	14827	438.0	225.0	8462.0	338431	5.048 ng/ml
Fentanyl	5.121	1882	255.4	72.9	4931.4	176051	0.522 ng/ml
Fluoxetine	5.714	12427	5128.5	6.5	2141.2	85483	4.940 ng/ml
Hydrocodone	3.081	20306	887.3	34.5	861.8	224803	3.857 ng/ml
Hydromorphone	1.672	17898	6792.1	71.8	9423.8	110532	5.064 ng/ml
Ketamine	4.086	38815	11911.0	35.7	498.1	310186	4.996 ng/ml
Lamotrigine	4.340	3415	1706.2	77.6	10076.5	292478	5.290 ng/ml
Lorazepam	5.749	15561	980.7	54.0	171.4	280907	4.878 ng/ml
MDA	3.256	49524	415.2	21.7	109.6	292478	5.039 ng/ml
MDMA	3.348	34291	371.5	86.7	658.0	59836	4.722 ng/ml
Meprobamate	4.940	13002	13954.7	27.5	295.1	93326	5.008 ng/ml

# AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	29119	2102.1	58.1	7906.8	314083	5.326 ng/ml
Methamphetamine	3.278	80258	73.3	42.6	180.7	496390	4.994 ng/ml
Metoprolol	4.359	6626	3202.0	97.8	3393.8	840995	4.690 ng/ml
Mirtazapine	4.651	48117	4301.4	48.4	2389.0	314083	5.497 ng/ml
Mitragynine	5.255	5445	24989.6	35.1	8284.8	314083	4.860 ng/ml
Morphine	1.291	2053	12649.4	21.6	196.5	5229	4.964 ng/ml
Norbuprenorphine	5.032	47	3.0 <b>Low</b>	186.2 <b>High</b>	466.3	3682	0.343 ng/ml
Nordiazepam	5.891	14179	7862.2	56.4	5914.6	103596	5.048 ng/ml
Norfentanyl	4.122	787	407.6	334.7	273.4	557464	0.517 ng/ml
Norhydrocodone	3.138	1113	972.0	11.8	116.8	68618	5.188 ng/ml
Noroxycodone	2.974	17346	1395.4	40.6	377.5	115143	4.471 ng/ml
O-desmethyl-tramadol	3.420	77220	5046.5	6.1	1294.7	855004	5.658 ng/ml
Oxazepam	5.756	24615	1847.0	78.5	924.4	280907	4.698 ng/ml
Oxycodone	2.901	38840	3358.1	25.9	34.8	335897	4.942 ng/ml
Oxymorphone	1.459	21131	2858.7	44.8	211.4	151483	4.638 ng/ml
Phentermine	3.821	9425	38.6	11.9	178.2	267265	5.259 ng/ml
Promethazine	5.559	21406	8816.2	39.4	1157.8	215997	5.297 ng/ml
Quetiapine	5.546	19012	5130.3	52.7	37765.4	42737	4.975 ng/ml
Sertraline	5.781	5087	1224.2	98.6	23362.1	40936	5.313 ng/ml
Temazepam	5.818	41802	2502.9	31.0	124.4	387252	5.009 ng/ml
Tramadol	4.283	92743	31510.4	2.7	22.0	865526	4.957 ng/ml
Trazodone	5.126	33332	151260.1	77.5	31045.5	299043	6.126 ng/ml
Venlafaxine	5.076	44343	2753.9	42.6	383.7	640179	5.836 ng/ml
Zolpidem	4.896	88950	7846.7	33.4	1784.6	831432	4.981 ng/ml

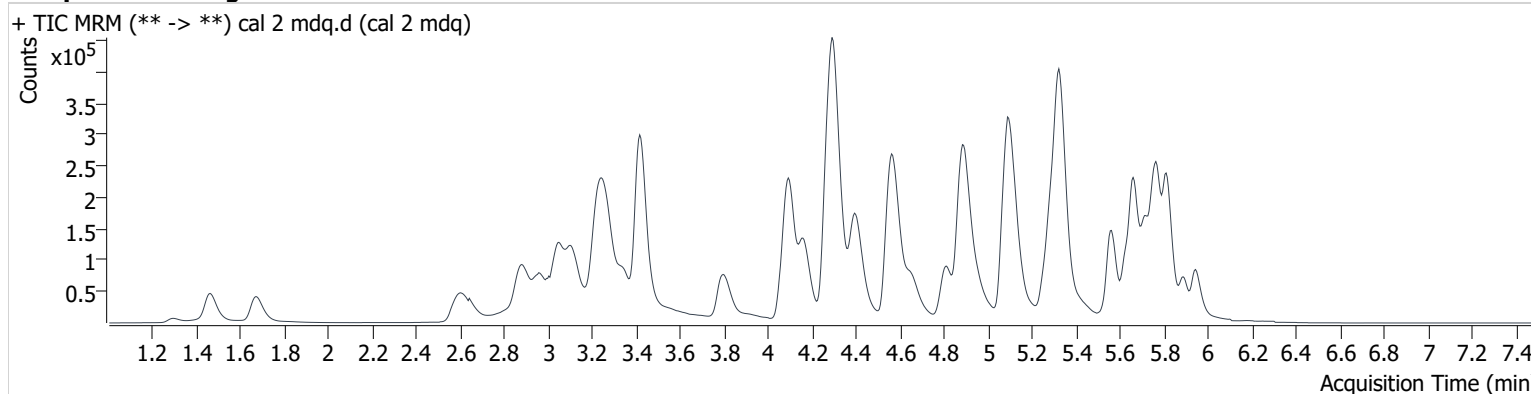
# AM #28 Multi-Drug Quant. Results

BW

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 4:25:02 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	1669	8420.6	81.0	7679.2	37667	1.034 ng/ml
7-aminoclonazepam	4.303	41687	3208.7	93.5	18542.1	165362	10.077 ng/ml
a-hydroxyalprazolam	5.707	7024	1550.7	59.2	10411.1	38392	10.069 ng/ml
alpha-PHP	4.965	22423	386.6	264.3	3456.2	425113	10.010 ng/ml
alpha-PVP	4.402	103035	12742.2	47.8	4600.5	425113	10.095 ng/ml
Alprazolam	5.776	40537	55163.1	118.7	14555.9	167796	10.416 ng/ml
Amphetamine	3.115	152238	4030.3	51.0	1733.5	277530	9.897 ng/ml
Benzoylecgonine	3.925	3379	1722.2	7.7	52.9	9552	10.516 ng/ml
Buprenorphine	5.696	641	66.0	17.5	1358.9	23094	1.172 ng/ml
Bupropion	4.821	75049	1734.8	65.3	1490.5	248561	10.207 ng/ml
Carisoprodol	5.726	28058	3844.9	77.9	1079.9	144985	9.584 ng/ml
Citalopram	5.261	51305	133.2	38.1	3205.5	227410	10.331 ng/ml
Clonazepam	5.625	41105	54924.6	32.5	84523.8	65066	10.384 ng/ml
Cocaine	4.302	89772	17338.6	44.2	20593.2	669608	9.870 ng/ml
Codeine	2.649	9688	40165.8	118.4	4010.5	53902	9.850 ng/ml
Cyclobenzaprine	5.632	41257	168055.7	8.7	529.8	140857	10.158 ng/ml
Dextromethorphan	5.305	32112	2384.4	88.0	26476.6	176322	9.391 ng/ml
Dextrophan	4.166	24142	14277.3	227.8	12958.6	311121	9.605 ng/ml
Diazepam	5.947	32573	81315.2	90.5	4923.1	156909	9.855 ng/ml
Dihydrocodeine	2.618	27427	15308.9	56.8	16007.1	5546	10.064 ng/ml
Diphenhydramine	5.331	160587	3105.9	27.0	19355.3	829290	10.164 ng/ml
Doxylamine	4.574	209918	426372.8	100.4	62554.3	875770	9.966 ng/ml
EDDP	5.289	32237	7942.0	245.2	7651.1	382738	9.793 ng/ml
Fentanyl	5.126	4141	528.2	76.9	12833.6	222390	0.930 ng/ml
Fluoxetine	5.714	36911	202085.6	7.5	10009.3	132613	9.868 ng/ml
Hydrocodone	3.081	41826	3054.9	35.9	1384.5	236691	9.408 ng/ml
Hydromorphone	1.677	35292	4617.8	72.7	14015.9	106160	10.271 ng/ml
Ketamine	4.086	77905	12845.0	37.1	73.2	330264	9.919 ng/ml
Lamotrigine	4.335	6397	2742.9	92.4	26224.1	308727	9.476 ng/ml
Lorazepam	5.749	35120	2860.2	54.2	636.1	312284	10.149 ng/ml
MDA	3.256	101426	93.9	22.7	228.1	308727	9.876 ng/ml
MDMA	3.348	71002	46698.4	87.4	1579.1	61499	10.203 ng/ml
Meprobamate	4.950	25573	12572.0	31.4	1176.3	98029	9.661 ng/ml

# AM #28 Multi-Drug Quant. Results

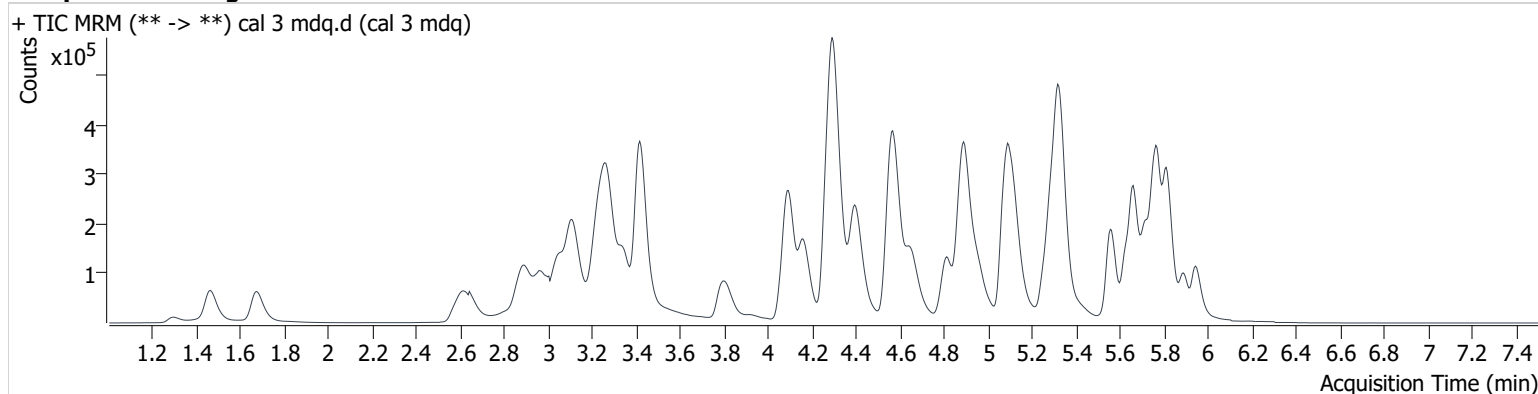
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	81675	20234.4	57.7	8599.9	421039	10.224 ng/ml
Methamphetamine	3.278	131154	∞	43.8	273.0	530363	9.677 ng/ml
Metoprolol	4.359	14424	736.9	74.2	1814.6	875770	10.759 ng/ml
Mirtazapine	4.651	109571	4874.5	48.6	13683.6	421039	8.902 ng/ml
Mitragynine	5.250	15799	202385.5	27.5	252.6	421039	10.399 ng/ml
Morphine	1.301	4416	15930.0	22.1	1960.9	5546	10.167 ng/ml
Norbuprenorphine	5.043	109	987.1	103.3	1085.8	4195	1.042 ng/ml
Nordiazepam	5.891	29849	19243.5	58.7	16592.0	110616	9.952 ng/ml
Norfentanyl	4.122	1602	193.9	311.6	484.2	582643	0.959 ng/ml
Norhydrocodone	3.122	2026	3547.4	11.5	95.0	68183	10.038 ng/ml
Noroxycodone	2.974	36791	3692.5	37.3	1813.5	124406	9.597 ng/ml
O-desmethyl-tramadol	3.420	154669	16692.4	5.9	3426.0	882060	10.164 ng/ml
Oxazepam	5.756	53981	2970.1	72.8	1131.8	312284	9.769 ng/ml
Oxycodone	2.896	83402	4698.1	28.7	6675.0	352802	10.142 ng/ml
Oxymorphone	1.464	42080	6991.3	44.9	10341.0	154795	9.752 ng/ml
Phentermine	3.826	16809	89.2	12.8 <b>High</b>	91.0	274759	9.094 ng/ml
Promethazine	5.559	59134	404405.5	37.2	1637.7	295306	10.155 ng/ml
Quetiapine	5.552	44485	20911.9	52.0	98088.2	55129	9.835 ng/ml
Sertraline	5.781	15327	995.2	99.6	49892.4	63988	10.153 ng/ml
Temazepam	5.818	93551	6685.6	32.2	1956.8	438991	10.046 ng/ml
Tramadol	4.283	189209	32409.7	3.4	426.3	900330	10.066 ng/ml
Trazodone	5.126	78442	7157.9	69.8	1985.1	360902	10.241 ng/ml
Venlafaxine	5.076	97174	5689.1	41.6	2623.2	686485	10.346 ng/ml
Zolpidem	4.896	194446	9158.4	33.6	4530.8	904718	10.075 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 4:35:51 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	4131	5746.0	75.1	11414.4	35621	2.662 ng/ml
7-aminoclonazepam	4.303	100487	5783.0	98.0	3108.5	163713	24.754 ng/ml
a-hydroxyalprazolam	5.702	16945	3166.8	57.1	27868.8	38742	24.581 ng/ml
alpha-PHP	4.965	55063	824.7	259.2	2038.8	417715	25.264 ng/ml
alpha-PVP	4.402	254019	24332.0	46.9	2221.3	417715	24.835 ng/ml
Alprazolam	5.776	98444	5228.3	121.1	10145.8	163231	23.311 ng/ml
Amphetamine	3.115	382488	11023.4	50.1	8944.1	280511	25.111 ng/ml
Benzoylcegonine	3.920	8606	1629.7	7.0	3351.4	9505	22.398 ng/ml
Buprenorphine	5.696	1479	521.9	19.4	2392.3	20952	2.542 ng/ml
Bupropion	4.816	183319	11635.6	66.6	1125.8	246137	25.613 ng/ml
Carisoprodol	5.726	68442	4343.6	72.5	3499.9	139867	24.520 ng/ml
Citalopram	5.261	115448	3717.4	38.3	14351.1	210760	24.471 ng/ml
Clonazepam	5.625	102733	41568.0	29.9	192872.7	67007	25.776 ng/ml
Cocaine	4.302	218305	15963.9	43.6	20888.9	647244	25.104 ng/ml
Codeine	2.644	23533	3645.1	119.3	5778.9	53680	23.363 ng/ml
Cyclobenzaprine	5.632	86171	646270.9	8.6	24281.3	120698	24.220 ng/ml
Dextromethorphan	5.300	76483	108489.8	79.6	772266.9	154020	25.366 ng/ml
Dextrorphan	4.161	62521	122707.3	220.3	21410.4	309567	24.888 ng/ml
Diazepam	5.947	79429	9703.3	89.6	11523.7	154983	24.675 ng/ml
Dihydrocodeine	2.618	68542	19628.1	55.6	35402.5	5344	25.812 ng/ml
Diphenhydramine	5.326	359022	26270.1	27.4	3807.4	749372	24.565 ng/ml
Doxylamine	4.569	509778	35213.1	101.2	20929.1	857138	24.379 ng/ml
EDDP	5.294	77740	1459.2	231.7	105303.0	357850	25.410 ng/ml
Fentanyl	5.121	9541	784.1	85.0	46307.1	194787	2.495 ng/ml
Fluoxetine	5.714	78173	266218.0	6.9	16184.5	111494	25.539 ng/ml
Hydrocodone	3.076	99177	5289.3	36.1	2658.0	232026	25.520 ng/ml
Hydromorphone	1.677	84359	4717.4	77.7	16568.4	108684	23.824 ng/ml
Ketamine	4.086	187749	21013.2	39.5	3545.5	324424	25.158 ng/ml
Lamotrigine	4.335	16701	5705.9	85.2	25113.6	302614	25.430 ng/ml
Lorazepam	5.749	87422	12561.1	50.6	1335.3	301096	26.582 ng/ml
MDA	3.256	245561	1603.5	22.8	304.7	302614	24.549 ng/ml
MDMA	3.343	173618	174709.1	85.0	2071.8	64473	24.705 ng/ml
Meprobamate	4.945	65176	13805.6	30.7	1754.2	92273	26.715 ng/ml

# AM #28 Multi-Drug Quant. Results

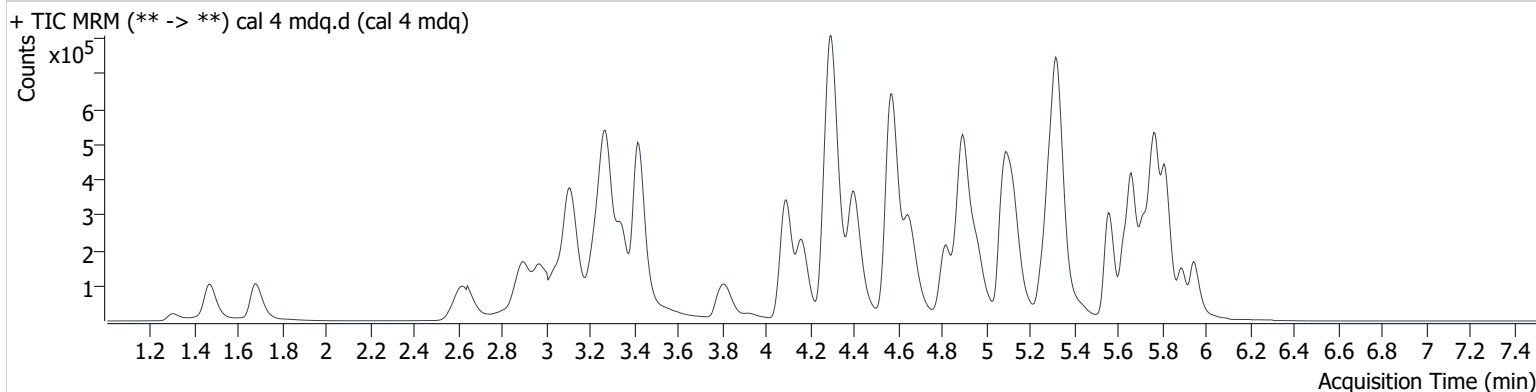
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	175435	199592.9	57.1	17210.3	363095	24.209 ng/ml
Methamphetamine	3.278	312510	∞	42.0	828.6	572749	25.998 ng/ml
Metoprolol	4.359	33801	7967.3	92.8	2792.0	857138	26.984 ng/ml
Mirtazapine	4.651	257097	70220.9	48.2	14525.8	363095	23.147 ng/ml
Mitragynine	5.244	33297	83890.4	30.0	65307.0	363095	25.265 ng/ml
Morphine	1.296	10155	2084.7	23.1	583.8	5344	24.409 ng/ml
Norbuprenorphine	5.043	202	953.1	113.3	665.2	4053	2.294 ng/ml
Nordiazepam	5.891	72358	388126.1	62.4	241632.4	111711	23.887 ng/ml
Norfentanyl	4.127	4116	672.8	295.9	902.4	579832	2.394 ng/ml
Norhydrocodone	3.122	4318	2052.8	14.5	3751.6	66039	22.859 ng/ml
Noroxycodone	2.974	88946	3655.2	38.7	4784.3	119273	25.498 ng/ml
O-desmethyl-tramadol	3.420	382667	90316.7	6.0	1528.2	868813	24.210 ng/ml
Oxazepam	5.756	131477	5435.6	78.2	4156.3	301096	25.465 ng/ml
Oxycodone	2.896	205164	8910.7	29.1	6420.8	348561	25.307 ng/ml
Oxymorphone	1.464	102989	21651.3	44.5	29173.8	154302	25.040 ng/ml
Phentermine	3.826	45378	286.6	11.8	610.5	281296	23.916 ng/ml
Promethazine	5.559	128460	15404.0	36.9	1354.4	251905	25.030 ng/ml
Quetiapine	5.546	104457	25461.9	52.3	296985.7	52624	25.650 ng/ml
Sertraline	5.776	32337	5493.8	102.5	189572.0	55460	24.581 ng/ml
Temazepam	5.818	223312	22857.9	32.2	2717.4	430849	24.664 ng/ml
Tramadol	4.283	462092	73970.2	3.3	987.5	887054	25.479 ng/ml
Trazodone	5.120	194966	7766.3	71.6	19442.0	338251	24.194 ng/ml
Venlafaxine	5.076	235221	17758.7	43.2	3565.9	655974	23.889 ng/ml
Zolpidem	4.896	469177	28096.7	33.1	11206.0	885536	24.936 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 4 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 4 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 4:46:39 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	8729	47427.9	78.9	7759.4	39662	5.029 ng/ml
7-aminoclonazepam	4.302	206533	25508.3	95.2	29670.9	162389	51.456 ng/ml
a-hydroxyalprazolam	5.702	34100	7399.8	55.0	20113.7	37139	52.002 ng/ml
alpha-PHP	4.965	116226	1589.0	258.8	6847.5	439913	50.804 ng/ml
alpha-PVP	4.402	544178	25683.1	47.3	22582.0	439913	50.181 ng/ml
Alprazolam	5.776	198898	4842.6	118.9	6778.1	163895	45.085 ng/ml
Amphetamine	3.110	821515	4909.9	49.9	6294.6	297297	51.242 ng/ml
Benzoylcegonine	3.925	17539	2926.0	7.8	526.2	10067	40.422 ng/ml
Buprenorphine	5.691	3391	680.3	15.8	4234.9	23358	4.927 ng/ml
Bupropion	4.821	377433	14890.1	67.3	22187.9	255302	51.133 ng/ml
Carisoprodol	5.726	139184	6596.1	72.2	4225.6	140410	49.863 ng/ml
Citalopram	5.261	235285	2404.2	41.2	269996.2	215231	48.409 ng/ml
Clonazepam	5.625	203433	27902.5	31.0	158024.5	67107	51.358 ng/ml
Cocaine	4.302	440815	2330117.4	44.0	38674.3	658148	50.030 ng/ml
Codeine	2.644	47092	13701.2	123.2	11163.6	53141	46.755 ng/ml
Cyclobenzaprine	5.632	183884	961920.1	8.6	66246.6	129027	47.974 ng/ml
Dextromethorphan	5.305	161420	258803.4	81.8	16610.0	166195	49.482 ng/ml
Dextrorphan	4.161	131087	592938.6	216.7	92896.4	315752	51.087 ng/ml
Diazepam	5.947	160638	20866.7	88.2	13537.5	151950	51.150 ng/ml
Dihydrocodeine	2.613	142332	7731.8	58.4	13639.5	5694	50.127 ng/ml
Diphenhydramine	5.326	773254	41548.7	27.0	203455.2	795553	49.430 ng/ml
Doxylamine	4.569	1085598	315560.8	101.2	610597.9	894691	49.493 ng/ml
EDDP	5.294	187699	4417.7	238.4	79145.3	448364	49.055 ng/ml
Fentanyl	5.121	19653	1458.5	82.7	79916.7	216146	4.658 ng/ml
Fluoxetine	5.714	160582	509422.9	7.4	62559.9	115169	51.231 ng/ml
Hydrocodone	3.076	207403	3573.9	35.7	3275.6	234616	54.859 ng/ml
Hydromorphone	1.677	187691	6575.6	69.6	11102.5	113284	50.719 ng/ml
Ketamine	4.086	382976	32802.8	39.8	5987.3	326396	51.589 ng/ml
Lamotrigine	4.335	31320	5187.8	92.0	117508.1	304712	47.460 ng/ml
Lorazepam	5.749	166393	12854.8	51.4	2203.4	289566	52.843 ng/ml
MDA	3.256	506651	2110.4	23.4	1368.8	304712	50.412 ng/ml
MDMA	3.343	367984	107703.4	85.6	7348.4	67657	50.591 ng/ml
Meprobamate	4.945	131147	119402.4	31.7	2663.4	97982	50.916 ng/ml



# AM #28 Multi-Drug Quant. Results

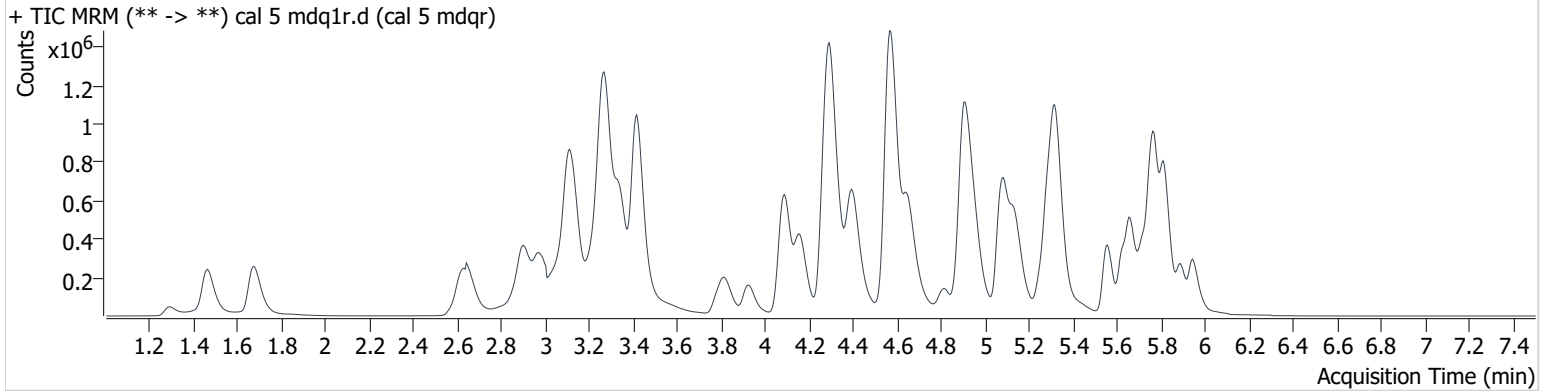
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	382901	76551.9	55.9	28886.4	381006	49.444 ng/ml
Methamphetamine	3.278	652344	2254.0	43.4	∞	623497	53.385 ng/ml
Metoprolol	4.359	70835	34300.0	92.1	6135.0	894691	55.060 ng/ml
Mirtazapine	4.651	547345	58503.7	48.3	26265.5	381006	46.319 ng/ml
Mitragynine	5.250	76703	14371.6	30.1	15425.2	381006	55.342 ng/ml
Morphine	1.301	22513	22882.1	19.9	1355.1	5694	50.891 ng/ml
Norbuprenorphine	5.027	424	805.8	101.5	2138.4	4607	4.509 ng/ml
Nordiazepam	5.891	148456	471890.7	60.9	13381.7	107545	50.906 ng/ml
Norfentanyl	4.122	8537	487.1	300.5	1713.9	594605	4.788 ng/ml
Norhydrocodone	3.128	9459	530.2	13.0	605.8	63962	52.511 ng/ml
Noroxycodone	2.974	188405	1320.4	39.4	8974.6	123163	53.200 ng/ml
O-desmethyl-tramadol	3.420	807662	46080.2	6.1	7001.7	903662	48.230 ng/ml
Oxazepam	5.756	251109	8373.4	75.1	11346.3	289566	51.081 ng/ml
Oxycodone	2.896	421206	21304.7	28.8	16641.7	357769	50.654 ng/ml
Oxymorphone	1.469	219715	13752.3	44.5	768.4	161197	51.919 ng/ml
Phentermine	3.826	103500	964.0	10.1	1825.4	299034	51.269 ng/ml
Promethazine	5.559	286073	85504.3	37.2	5722.3	278632	49.848 ng/ml
Quetiapine	5.546	212400	18613.3	53.6	37060.2	52091	53.741 ng/ml
Sertraline	5.776	67601	5920.6	98.9	17940.8	55676	51.088 ng/ml
Temazepam	5.818	441642	40088.4	32.0	3310.7	421924	49.976 ng/ml
Tramadol	4.283	958024	82475.5	3.2	1079.2	924679	51.027 ng/ml
Trazodone	5.126	401100	8055.3	71.9	43360.7	349703	46.367 ng/ml
Venlafaxine	5.076	503672	57089.5	42.4	4545.1	681581	47.626 ng/ml
Zolpidem	4.896	960451	27668.4	33.1	28698.6	903149	50.119 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

**Instrument** 69679 **Data File** cal 5 mdq1r.d  
**Type** Cal **Sample** cal 5 mdqr  
**Acq. Method** MDQP1 5-27-20.m **Operator** Brittany Wylie  
**Sample Position** P2-E1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/17/2020 7:26:49 AM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.182	22034	24019.6	79.3	17634.9	51504	9.750 ng/ml
7-aminoclonazepam	4.302	522568	53357.5	94.2	35561.3	206568	102.498 ng/ml
a-hydroxyalprazolam	5.697	85005	7148.0	57.8	2884.4	45236	106.813 ng/ml
alpha-PHP	4.965	209762	3583.6	248.6	12462.7	501349	80.550 ng/ml
alpha-PVP	4.397	1180612	501886.8	48.7	16038.1	501349	95.234 ng/ml
Alprazolam	5.776	526615	69466.9	116.4	7887.0	197168	97.067 ng/ml
Amphetamine	3.115	2370916	25153.9	47.2	40889.8	390084	113.121 ng/ml
Benzoylcegonine	3.920	339974	138100.5	7.6	1765.4	14919	493.694 ng/ml
Buprenorphine	5.706	4033	5321.0	13.4	3533.1	14780	9.011 ng/ml
Bupropion	4.816	239782	28260.2	67.1	10006.5	90862	91.508 ng/ml
Carisoprodol	5.726	352190	26563.8	69.1	13834.7	173892	102.073 ng/ml
Citalopram	5.256	393511	5448.9	39.8	1510.9	182239	95.201 ng/ml
Clonazepam	5.620	505258	68980.0	29.9	1508349.1	80874	106.268 ng/ml
Cocaine	4.296	838823	348509.8	44.8	1586897.0	623773	100.629 ng/ml
Codeine	2.654	141289	10641.3	108.7	19677.6	74019	100.179 ng/ml
Cyclobenzaprine	5.632	186578	887070.0	9.0	21730.1	61238	102.133 ng/ml
Dextromethorphan	5.300	264347	22796.5	78.1	427039.2	134279	100.152 ng/ml
Dextrorphan	4.161	301824	2386617.5	220.3	129126.3	377270	98.382 ng/ml
Diazepam	5.947	343892	45712.9	86.0	34616.7	167074	99.811 ng/ml
Dihydrocodeine	2.618	402415	167819.0	60.5	11462.9	6880	117.050 ng/ml
Diphenhydramine	5.321	1423674	19454.8	28.1	42885.9	755869	95.417 ng/ml
Doxylamine	4.569	2946554	1024640.2	99.5	10323.5	1214009	98.765 ng/ml
EDDP	5.289	418517	285885.1	228.2	31116.6	500080	98.164 ng/ml
Fentanyl	5.121	27557	1379.5	77.1	2365.4	146961	9.637 ng/ml
Fluoxetine	5.708	112928	433011.6	7.6	43116.4	42339	98.408 ng/ml
Hydrocodone	3.076	545480	5241.3	36.2	8314.1	319575	107.738 ng/ml
Hydromorphone	1.672	536232	20153.1	73.3	7337.5	165037	99.350 ng/ml
Ketamine	4.081	1022769	56348.9	38.8	9289.9	448399	100.820 ng/ml
Lamotrigine	4.329	85039	19729.6	88.7	246860.1	381415	103.080 ng/ml
Lorazepam	5.749	359820	14152.3	49.9	3275.2	331920	99.902 ng/ml
MDA	3.251	1278355	37143.2	22.9	4492.8	381415	101.726 ng/ml
MDMA	3.343	985849	1048245.1	84.6	47773.6	93550	98.660 ng/ml
Meprobamate	4.940	358867	25781.6	28.9	3961.4	136918	100.016 ng/ml

# AM #28 Multi-Drug Quant. Results

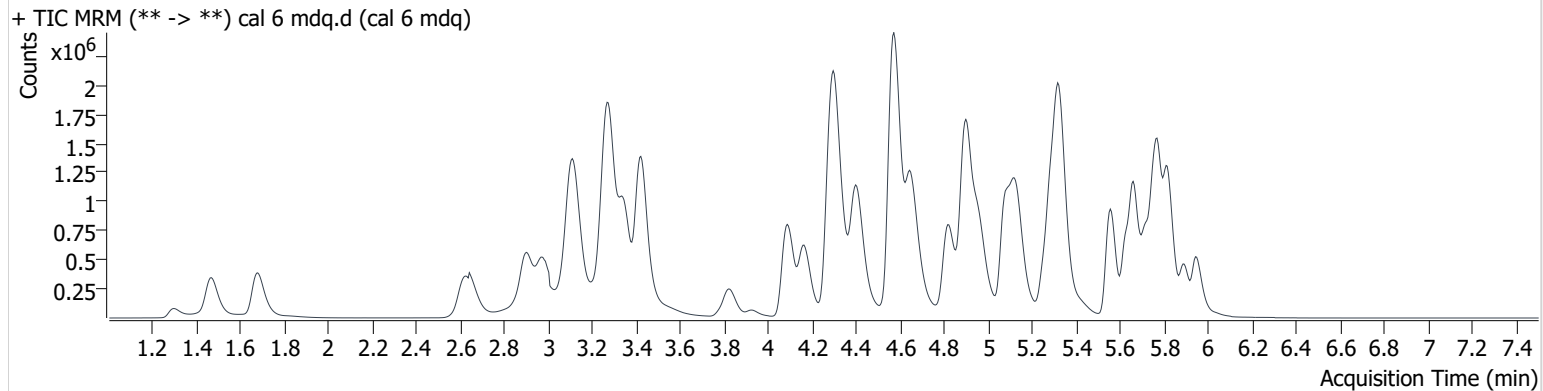
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	573799	317954.4	55.9	38285.3	294029	95.219 ng/ml
Methamphetamine	3.278	1799682	∞	42.4	∞	896350	105.986 ng/ml
Metoprolol	4.354	175671	113886.2	93.1	10881.5	1214009	101.358 ng/ml
Mirtazapine	4.651	1075342	∞	50.2	152310.5	294029	116.955 ng/ml
Mitragynine	5.250	95222	22653.5	30.7	100896.7	294029	88.964 ng/ml
Morphine	1.291	55433	20076.5	24.3	639.8	6880	103.814 ng/ml
Norbuprenorphine	5.027	772	1065.2	106.3	2330.3	3604	10.933 ng/ml
Nordiazepam	5.891	322859	17326.1	61.2	635260.1	120423	98.869 ng/ml
Norfentanyl	4.117	23684	7048.1	299.4	3574.3	817036	9.616 ng/ml
Norhydrocodone	3.128	19709	10708.3	15.7	476.0	70808	99.404 ng/ml
Noroxycodone	2.974	458411	26392.4	36.3	6151.1	150635	106.679 ng/ml
O-desmethyl-tramadol	3.414	2306947	21342.6	6.3	57196.8	1302394	94.728 ng/ml
Oxazepam	5.756	567479	25233.3	75.2	11971.2	331920	101.208 ng/ml
Oxycodone	2.896	1107913	28913.6	29.0	21567.6	467040	102.101 ng/ml
Oxymorphone	1.459	616834	14563.4	44.8	44964.3	228350	103.634 ng/ml
Phentermine	3.821	297902	1429.2	8.4	3095.2	454382	97.081 ng/ml
Promethazine	5.559	281536	78022.0	38.6	4758.7	143591	94.706 ng/ml
Quetiapine	5.546	434493	24845.6	54.0	1306632.6	57321	100.760 ng/ml
Sertraline	5.776	43916	5207.3	105.9	214836.3	19651	93.950 ng/ml
Temazepam	5.818	1039509	96835.8	31.4	6411.3	514060	96.697 ng/ml
Tramadol	4.278	2445630	674075.2	3.2	721.5	1210929	99.808 ng/ml
Trazodone	5.136	817354	17402.9	71.4	24325.1	354952	91.280 ng/ml
Venlafaxine	5.071	1244590	23579.8	41.3	22476.7	833128	94.732 ng/ml
Zolpidem	4.906	2597156	45717.9	31.8	37124.3	1211693	101.086 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

**Instrument** 69679 **Data File** cal 6 mdq.d  
**Type** Cal **Sample** cal 6 mdq  
**Acq. Method** MDQP1 5-27-20.m **Operator** Brittany Wylie  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/16/2020 5:08:16 PM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	40246	19694.7	81.9	4539.5	38001	24.098 ng/ml
7-aminoclonazepam	4.308	772573	50837.9	92.6	6048.1	124990	250.658 ng/ml
a-hydroxyalprazolam	5.697	141391	7678.1	56.9	12260.2	32240	249.771 ng/ml
alpha-PHP	4.965	524225	2355.9	253.6	20855.6	392491	257.502 ng/ml
alpha-PVP	4.402	2383809	88565.2	48.5	48650.7	392491	245.106 ng/ml
Alprazolam	5.776	881764	4353.1	115.7	1347.1	134105	236.328 ng/ml
Amphetamine	3.115	3736029	31203.6	46.7	38358.2	266464	261.399 ng/ml
Benzoylcegonine	3.925	103864	10329.6	6.6	779.2	9408	240.678 ng/ml
Buprenorphine	5.691	13191	4835.0	16.2	16407.2	18329	23.298 ng/ml
Bupropion	4.821	1799922	82163.8	65.9	45552.9	242406	258.012 ng/ml
Carisoprodol	5.726	601304	72944.0	70.0	8525.4	118534	255.945 ng/ml
Citalopram	5.261	963216	106070.7	39.6	86420.5	174776	242.313 ng/ml
Clonazepam	5.620	876432	234627.1	31.1	1272112.6	56202	265.861 ng/ml
Cocaine	4.302	1869948	1590892.8	44.4	471293.4	555660	252.098 ng/ml
Codeine	2.644	239965	15277.2	112.1	4826.2	50632	248.049 ng/ml
Cyclobenzaprine	5.632	683104	2352907.7	8.8	163029.1	91157	250.655 ng/ml
Dextromethorphan	5.300	609380	969784.1	79.7	236595.5	125982	245.876 ng/ml
Dextrophan	4.161	564283	9368.5	221.6	52473.8	277149	250.272 ng/ml
Diazepam	5.947	734163	20934.0	86.4	34030.0	139718	255.171 ng/ml
Dihydrocodeine	2.613	667756	89929.4	60.9	26497.4	5708	233.942 ng/ml
Diphenhydramine	5.326	3292931	43480.9	28.1	69174.1	674393	246.734 ng/ml
Doxylamine	4.569	5229155	16686.5	99.0	168333.7	854133	248.766 ng/ml
EDDP	5.294	831021	10669381.2	231.7	1310286.5	387044	251.993 ng/ml
Fentanyl	5.121	84539	5376.1	77.3	4370.0	173293	25.119 ng/ml
Fluoxetine	5.714	508880	41478.3	7.5	203951.7	74932	251.260 ng/ml
Hydrocodone	3.076	956404	11565.6	35.8	4967.9	220245	277.102 ng/ml
Hydromorphone	1.677	897835	24975.5	72.8	50023.0	109374	250.822 ng/ml
Ketamine	4.086	1798895	157063.4	38.6	17024.2	315822	252.614 ng/ml
Lamotrigine	4.335	135769	14128.2	83.7	19226.9	251989	249.262 ng/ml
Lorazepam	5.749	615210	38062.5	50.5	5014.2	230997	245.786 ng/ml
MDA	3.251	2150302	27772.4	23.4	5799.7	251989	259.160 ng/ml
MDMA	3.343	1632488	548.8	84.7	7300.9	58190	263.781 ng/ml
Meprobamate	4.945	580107	5214.6	28.7	7746.2	87595	253.211 ng/ml

# AM #28 Multi-Drug Quant. Results

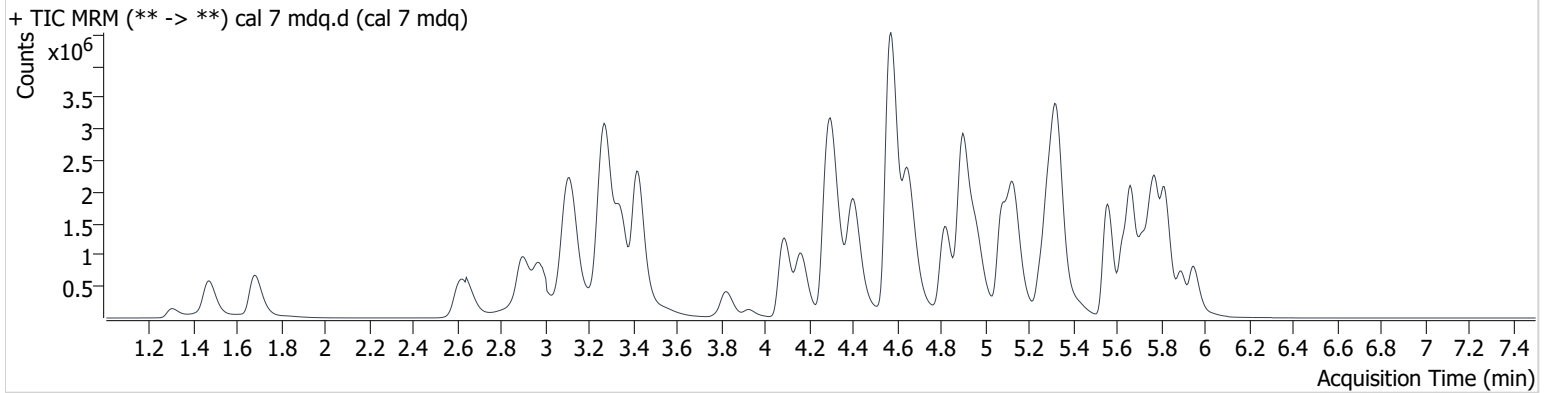
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	1619096	72372.6	53.8	174990.6	313969	250.232 ng/ml
Methamphetamine	3.278	2708732	8971.4	42.3	2062.9	563791	258.980 ng/ml
Metoprolol	4.359	289223	2065223.3	91.8	95426.7	854133	238.360 ng/ml
Mirtazapine	4.651	2467407	38004.3	47.6	18559.5	313969	250.596 ng/ml
Mitragynine	5.244	299215	144928.7	32.1	5711.7	313969	261.596 ng/ml
Morphine	1.296	109086	39840.4	23.3	8669.6	5708	246.397 ng/ml
Norbuprenorphine	5.027	1883	5737.2	94.1	12337.6	3778	25.865 ng/ml
Nordiazepam	5.891	644086	2561240.4	61.1	49729.2	94057	252.524 ng/ml
Norfentanyl	4.122	39364	28204.6	291.2	2973.3	521177	24.972 ng/ml
Norhydrocodone	3.128	33942	4228.8	17.0 <b>High</b>	973.3	46123	263.859 ng/ml
Noroxycodone	2.974	813670	45967.5	40.8	12511.8	113108	253.339 ng/ml
O-desmethyl-tramadol	3.420	3841827	1557424.8	6.3	48002.9	850614	240.187 ng/ml
Oxazepam	5.756	998158	22273.5	73.7	14468.3	230997	256.583 ng/ml
Oxycodone	2.896	1990025	57733.0	29.3	27258.0	343286	249.559 ng/ml
Oxymorphone	1.464	1035638	25970.7	44.2	42090.5	155146	257.204 ng/ml
Phentermine	3.826	495429	3769.0	8.9	2750.2	284731	257.584 ng/ml
Promethazine	5.559	1078549	12964.2	38.0	18620.2	212607	244.186 ng/ml
Quetiapine	5.546	952479	34280.8	55.0	212800.9	49003	259.940 ng/ml
Sertraline	5.781	196152	30141.5	107.5	703071.2	34320	240.134 ng/ml
Temazepam	5.818	2025907	223885.5	31.5	28947.2	382956	253.232 ng/ml
Tramadol	4.283	4201321	119122.5	3.4	10082.7	836020	248.879 ng/ml
Trazodone	5.126	1815903	48133.7	72.8	306424.2	304914	233.229 ng/ml
Venlafaxine	5.076	2300199	2364073.5	42.1	79855.3	615410	234.746 ng/ml
Zolpidem	4.900	4535507	49386.1	31.9	38226.7	856066	249.965 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 5:19:04 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.187	78753	15941.2	78.8	12861.2	36813	48.648 ng/ml
7-aminoclonazepam	4.308	1072908	10315.9	90.4	24150.4	87285	498.621 ng/ml
a-hydroxyalprazolam	5.697	211645	5245.9	57.6	1557.5	25654	470.188 ng/ml
alpha-PHP	4.965	941333	2123.3	251.7	63599.0	346961	523.235 ng/ml
alpha-PVP	4.402	4262300	99003.3	49.5	58869.7	346961	495.431 ng/ml
Alprazolam	5.776	1484061	66592.8	113.0	21359.0	107532	494.069 ng/ml
Amphetamine	3.114	6491832	34410.5	47.3	78374.7	248710	486.936 ng/ml
Benzoylcegonine	3.925	234254	132893.4	7.3	3755.9	9761	519.777 ng/ml
Buprenorphine	5.691	25846	7168.5	17.5	29024.7	17803	46.710 ng/ml
Bupropion	4.821	3341049	246128.4	65.5	90750.8	229888	505.289 ng/ml
Carisoprodol	5.726	973925	41233.6	69.1	18404.2	97372	504.829 ng/ml
Citalopram	5.261	1718757	103658.4	40.2	926548.3	143452	526.292 ng/ml
Clonazepam	5.620	1388108	1270358.3	30.6	1978193.9	48804	485.235 ng/ml
Cocaine	4.302	3128834	1244974.1	44.2	219942.4	470600	498.234 ng/ml
Codeine	2.644	431453	9091.3	112.2	22575.9	46001	490.431 ng/ml
Cyclobenzaprine	5.632	1464612	6552615.1	8.8	50700.0	97551	501.819 ng/ml
Dextromethorphan	5.300	1119325	6737155.1	79.5	259492.4	113182	502.562 ng/ml
Dextrophan	4.161	1024475	9642832.6	219.6	4771165.0	250159	503.331 ng/ml
Diazepam	5.947	1258665	49327.2	85.3	35598.8	121337	503.970 ng/ml
Dihydrocodeine	2.607	1237956	94376.9	61.7	157433.7	4728	523.348 ng/ml
Diphenhydramine	5.332	6142259	17463.2	28.8	132033.0	630846	491.607 ng/ml
Doxylamine	4.572	10062781	267147.8	98.1	2081831.4	808837	505.282 ng/ml
EDDP	5.294	1600954	146991.5	227.5	23402.2	373594	503.036 ng/ml
Fentanyl	5.121	180700	7923.3	76.7	12252.0	179217	51.948 ng/ml
Fluoxetine	5.714	1052627	203712.3	7.7	377998.7	79380	491.037 ng/ml
Hydrocodone	3.071	1670663	12164.9	35.9	7613.0	204698	522.521 ng/ml
Hydromorphone	1.677	1667226	133338.7	73.6	9890.3	102670	496.057 ng/ml
Ketamine	4.086	3268372	225663.0	38.4	20719.9	293065	495.151 ng/ml
Lamotrigine	4.335	206512	16658.6	89.5	33059.7	224830	425.019 ng/ml
Lorazepam	5.749	832547	55089.2	50.8	4090.0	169446	453.642 ng/ml
MDA	3.246	3554654	14639.5	23.8	229.0	224830	480.258 ng/ml
MDMA	3.343	2960976	3816.1	84.6	4233.0	55077	506.098 ng/ml
Meprobamate	4.945	936331	4334368.2	29.6	23823.3	73113	489.955 ng/ml

# AM #28 Multi-Drug Quant. Results

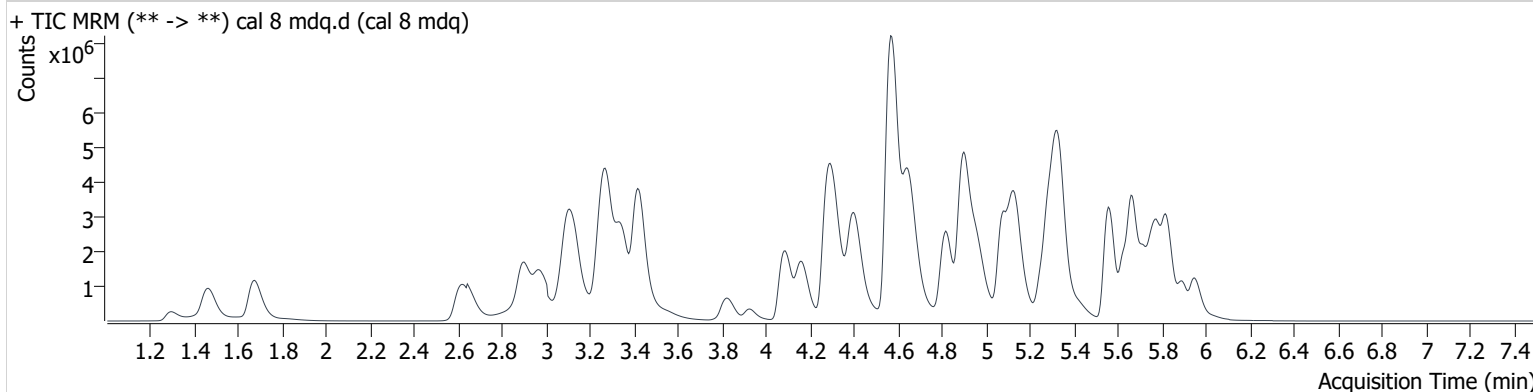
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	3201717	1884106.2	54.5	419785.5	312229	496.753 ng/ml
Methamphetamine	3.278	4745423	16525.9	42.1	∞	541711	475.371 ng/ml
Metoprolol	4.359	481018	3200571.7	94.9	226128.7	808837	419.288 ng/ml
Mirtazapine	4.651	4877366	65044.7	47.1	35245.0	312229	497.501 ng/ml
Mitragynine	5.250	590934	1094293.4	33.3	3530.0	312229	519.416 ng/ml
Morphine	1.301	194793	109403.3	22.2	4198.3	4728	531.272 ng/ml
Norbuprenorphine	5.032	3869	7054.8	103.2	28166.8	4023	50.196 ng/ml
Nordiazepam	5.891	1090986	82877.5	60.6	3872398.3	79297	507.354 ng/ml
Norfentanyl	4.122	71083	45966.6	287.7	29433.2	452078	51.931 ng/ml
Norhydrocodone	3.128	58062	5666.3	19.3 <b>High</b>	1252.4	35499	587.248 ng/ml
Noroxycodone	2.974	1428200	15328.7	40.1	56479.7	101810	494.831 ng/ml
O-desmethyl-tramadol	3.420	7285265	177213.4	6.2	102985.2	782662	494.085 ng/ml
Oxazepam	5.756	1464697	122867.6	75.0	7697.5	169446	513.795 ng/ml
Oxycodone	2.891	3709057	44645.7	29.0	24994.7	325824	490.097 ng/ml
Oxymorphone	1.469	1899018	106114.7	44.3	114355.0	145310	504.272 ng/ml
Phentermine	3.826	969879	2079.1	8.6	2918.9	271987	527.846 ng/ml
Promethazine	5.559	2473638	994304.0	37.9	73741.3	241528	492.429 ng/ml
Quetiapine	5.546	1737539	7694406.0	56.3	6067474.8	46802	497.392 ng/ml
Sertraline	5.781	409373	7417.7	107.0	1608537.0	34239	502.252 ng/ml
Temazepam	5.818	3469334	157723.8	30.7	27606.6	333058	498.781 ng/ml
Tramadol	4.278	7397982	33836.7	3.3	12219.9	784354	467.423 ng/ml
Trazodone	5.126	3567946	98711.3	74.6	13164.8	289191	481.246 ng/ml
Venlafaxine	5.081	4353596	7581.3	41.5	3753.7	566535	481.038 ng/ml
Zolpidem	4.900	8334770	80104.8	31.0	41213.5	790757	497.359 ng/ml

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020 Data\am 28 7-16-20\QuantResults\mdq.batch.bin  
**Calibration Last Update** 7/17/2020 10:10:33 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 8 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 8 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/16/2020 5:40:34 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.182	156082	58510.7	76.5	59499.0	35065	101.194 ng/ml
7-aminoclonazepam	4.308	1305897	20072.4	90.1	99326.4	55537	953.986 ng/ml
a-hydroxyalprazolam	5.697	293488	10807.2	59.7	1180.6	17269	968.978 ng/ml
alpha-PHP	4.965	1717370	7734.8	255.5	17392.3	304922	1086.378 ng/ml
alpha-PVP	4.397	7668029	103772.1	49.8	27933.8	304922	1013.838 ng/ml
Alprazolam	5.781	2320234	10494.9	111.2	9623.1	80666	1027.762 ng/ml
Amphetamine	3.114	9713512	24879.9	47.0	228983.9	217088	834.959 ng/ml
Benzoylcegonine	3.920	683448	29913.3	7.4	62356.0	9553	1543.647 ng/ml
Buprenorphine	5.696	46562	12321.7	15.5	12303.0	14106	105.840 ng/ml
Bupropion	4.819	6048958	1030421.7	64.9	30138.7	212838	988.395 ng/ml
Carisoprodol	5.726	1323257	44310.0	67.8	26599.5	67605	988.080 ng/ml
Citalopram	5.256	2604812	30122.1	41.5	7660.3	115800	987.691 ng/ml
Clonazepam	5.620	1837244	88438.5	31.9	1868245.1	37407	838.201 ng/ml
Cocaine	4.303	4969862	417192.8	44.4	19199.9	372855	999.045 ng/ml
Codeine	2.644	758239	8907.9	110.5	8231.1	34643	1143.870 ng/ml
Cyclobenzaprine	5.632	2625871	13901434.0	8.8	21177.7	87919	997.889 ng/ml
Dextromethorphan	5.300	1865212	40817.7	76.4	3613282.8	91310	1037.916 ng/ml
Dextrophan	4.161	1815993	2315939.6	221.0	213619.9	223790	997.269 ng/ml
Diazepam	5.947	2124981	56441.1	86.3	35269.7	104260	990.431 ng/ml
Dihydrocodeine	2.607	2255755	35592.2	62.5	181428.1	5482	822.397 ng/ml
Diphenhydramine	5.333	11036125	24542.1	29.0	24017.9	547831	1016.726 ng/ml
Doxylamine	4.564	19469877	234473.5	97.3	2320059.7	762355	1037.001 ng/ml
EDDP	5.289	3054865	8876342.0	232.0	23935.4	352316	1017.938 ng/ml
Fentanyl	5.121	341809	22323.6	76.1	18040.2	161649	108.975 ng/ml
Fluoxetine	5.714	1925478	7122074.8	7.5	59831.4	70787	1007.716 ng/ml
Hydrocodone	3.066	2732464	10023.4	40.6	7085.5	186610	938.995 ng/ml
Hydromorphone	1.672	3119653	160644.9	74.0	55613.5	94918	1003.894 ng/ml
Ketamine	4.081	5873890	256070.1	37.8	20923.1	271309	961.770 ng/ml
Lamotrigine	4.335	251625	13702.4	90.7	28768.1	176249	660.675 ng/ml
Lorazepam	5.744	839659	102741.6	50.4	21394.1	111066	698.131 ng/ml
MDA	3.241	4938270	42707.7	25.4	1179.0	176249	851.181 ng/ml
MDMA	3.344	4880148	13951.4	82.0	2215.1	46851	981.239 ng/ml
Meprobamate	4.940	1330193	40303.4	29.2	18592.5	53447	952.467 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.662	6334057	512630.9	52.7	604644.6	303964	1008.594 ng/ml
Methamphetamine	3.273	6867971	16950.2	41.6	∞	425391	879.370 ng/ml
Metoprolol	4.359	742610	1073397.8	94.3	140112.3	762355	687.336 ng/ml
Mirtazapine	4.650	9465025	424931.2	46.1	1024568.1	303964	991.082 ng/ml
Mitragynine	5.244	992287	130210.3	32.1	2690888.9	303964	895.836 ng/ml
Morphine	1.291	386832	15910.9	20.9	34659.4	5482	910.040 ng/ml
Norbuprenorphine	5.022	7455	5317.1	102.4	43180.4	3877	100.687 ng/ml
Nordiazepam	5.891	1754818	163489.1	60.0	32731.8	64195	1008.042 ng/ml
Norfentanyl	4.122	120118	84807.4	289.0	12580.6	362892	109.266 ng/ml
Norhydrocodone	3.122	95213	2835.5	22.3 <b>High</b>	2039.8	25754	1328.186 ng/ml
Noroxycodone	2.974	2414953	42399.4	40.1	37640.4	85913	992.385 ng/ml
O-desmethyl-tramadol	3.419	13578167	532101.8	6.2	78855.4	704061	1022.738 ng/ml
Oxazepam	5.751	1825477	95890.1	73.6	134181.2	111066	977.402 ng/ml
Oxycodone	2.895	6994029	50469.3	29.2	36447.3	309626	972.543 ng/ml
Oxymorphone	1.459	3450217	25090.7	44.1	140169.2	135457	983.540 ng/ml
Phentermine	3.821	1725590	24640.8	7.1 <b>Low</b>	9296.9	255607	999.284 ng/ml
Promethazine	5.559	5157388	24775547.9	37.3	90979.7	243368	1018.350 ng/ml
Quetiapine	5.541	3064850	126155.1	57.0	6552004.5	46784	878.451 ng/ml
Sertraline	5.781	698945	3486840.5	106.5	3636997.5	28995	1012.528 ng/ml
Temazepam	5.818	5723366	865534.1	30.5	27366.0	266071	1030.173 ng/ml
Tramadol	4.273	12584011	4021669.7	3.3	13654.8	603500	1033.791 ng/ml
Trazodone	5.132	6591755	99174.3	75.7	19195.1	245007	1047.317 ng/ml
Venlafaxine	5.078	8352925	2074458.5	40.1	59219.0	501049	1041.787 ng/ml
Zolpidem	4.896	15135950	107335.6	29.6	54850.4	720611	991.193 ng/ml