











REVIEWED

By Britany Wylie at 10:09 am, Jun 15, 2020



6/12/2020

Worklist: 4302

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-0959	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0968	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0994	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2020-1038	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1039	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1047	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1076	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1084	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-1089	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1438	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 6/10/20

Analyst: Anne Nord

Plate lot#: 200513 (part IDP-111-2)

Plate Expiration: 11/13/20

Mobile phase A: 5mM Amm Form + 0.01% FA
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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Urine samples add 50 ul 1% HCl in MeOH, Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS: Fluoxetine and Sertraline not evaluated – elevated responses in all samples.

Limited curve ranges – benzoylcgonine 10-1000, codeine 5-500, lorazepam 5-500, morphine 5-500,

norbuprenorphine 1-100, norhydrocodone 10-250. Hydrocodone quant range 5-500, Noroxycodone qualitative only.

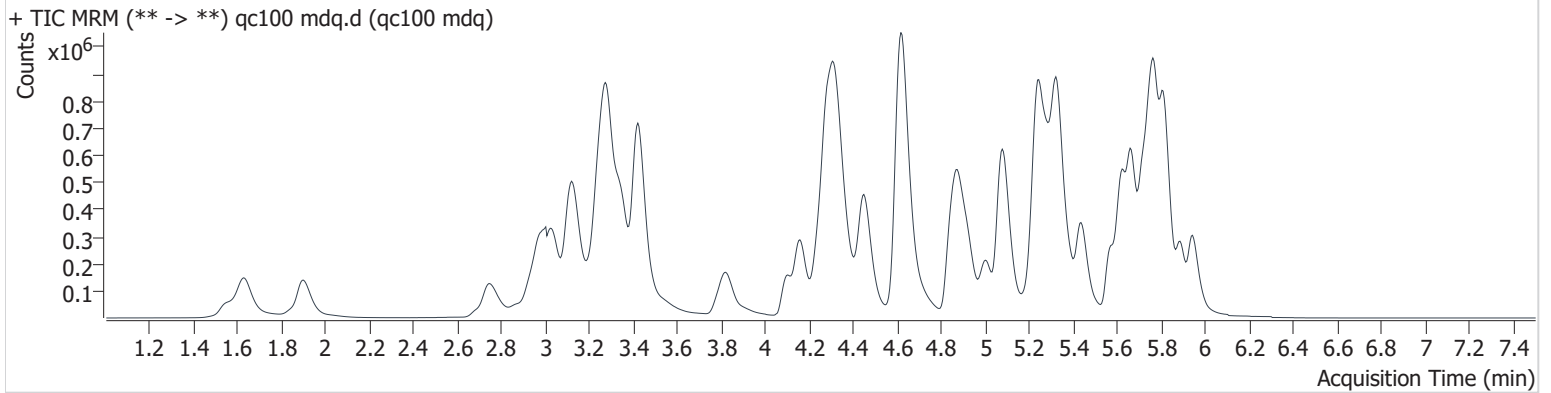
Promethazine evaluated qualitative only.

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 1:19:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	17959	911.0	75.0	20509.2	43324	10.973 ng/ml
7-aminoclonazepam	4.313	382813	8606.8	84.1	4483.0	143145	101.083 ng/ml
a-hydroxyalprazolam	5.702	79716	4430.5	61.6	2124.1	38951	107.622 ng/ml
alpha-PVP	4.453	896043	12753.0	53.0	9027.2	364236	104.116 ng/ml
Alprazolam	5.776	508530	959.6	108.7	776.4	170655	104.214 ng/ml
Amphetamine	3.120	1443329	25450.1	50.3	6410.8	220781	104.886 ng/ml
Benzoylcegonine	3.905	25754	5261.1	7.4	551.3	7065	99.418 ng/ml
Buprenorphine	5.835	5033	1448.1	14.2	778.3	18168	10.354 ng/ml
Bupropion	4.883	797959	49851.5	61.7	1017.5	283820	102.142 ng/ml
Carisoprodol	5.726	475247	12844.1	64.0	3880.1	230179	103.743 ng/ml
Citalopram	5.256	357217	8797.0	45.3	134771.4	148627	103.846 ng/ml
Clonazepam	5.620	463836	15071.6	35.0	59311.4	74845	105.690 ng/ml
Cocaine	4.327	790434	77179.3	45.6	3199.8	576767	105.713 ng/ml
Codeine	2.934	101299	4835.8	105.2	3349.1	51913	106.349 ng/ml
Cyclobenzaprine	5.637	329083	36062.8	8.9	32032.6	108549	107.227 ng/ml
Dextromethorphan	5.305	238903	5025.6	75.7	15711.8	102608	108.144 ng/ml
Dextrorphan	4.156	240376	12672.0	215.2	9893.1	265218	103.823 ng/ml
Diazepam	5.942	374167	3747.4	86.3	10303.8	170145	107.712 ng/ml
Dihydrocodeine	2.745	272920	5013.5	63.2	3055.2	144205	105.634 ng/ml
Diphenhydramine	5.331	1175705	40685.7	33.9	9438.2	600962	101.299 ng/ml
Doxylamine	4.620	2154333	190638.3	96.2	1541.8	854823	103.649 ng/ml
EDDP	5.289	248487	19776.3	229.9	1111.5	274278	103.133 ng/ml
Fentanyl	5.198	32155	253.3	70.5	2594.6	135411	11.040 ng/ml
Hydrocodone	3.244	398223	1959.8	32.1	1784.5	226494	112.478 ng/ml
Hydromorphone	1.898	356742	3134.8	65.1	8868.3	106089	111.595 ng/ml
Ketamine	4.249	649022	17258.0	38.4	447.5	296935	108.623 ng/ml
Lamotrigine	4.386	71384	2155.4	90.1	528.8	220781	121.681 ng/ml
Lorazepam	5.749	329857	7053.4	57.1	773.1	282341	108.828 ng/ml
MDA	3.256	924146	44533.0	28.1	3230.4	280909	113.797 ng/ml
MDMA	3.348	623356	12245.7	87.8	19390.7	63445	106.672 ng/ml
Meprobamate	4.930	401888	44996.0	28.9	5525.0	164897	101.895 ng/ml
Methadone	5.667	736137	36174.9	46.8	10887.7	322221	103.646 ng/ml
Methamphetamine	3.288	1053626	1633.6	41.5	∞	433196	109.326 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	142070	56044.1	96.5	2510.2	164897	98.149 ng/ml
Mirtazapine	4.846	826218	10466.7	47.3	5330.9	322221	122.782 ng/ml
Mitragynine	5.327	86700	86353.5	36.1	2304.9	322221	109.589 ng/ml
Morphine	1.547	59765	7653.2	21.7	723.2	6798	111.096 ng/ml
Norbuprenorphine	5.038	1037	1871.8	96.0	1568.6	4056	11.086 ng/ml
Nordiazepam	5.891	346243	7887.8	60.7	4858.0	112410	105.878 ng/ml
Norfentanyl	4.122	17076	1575.7	288.3	1849.9	582348	10.727 ng/ml
Norhydrocodone	3.128	10936	767.4	36.4	530.9	51673	103.503 ng/ml
Noroxycodone	2.974	366762	14383.3	43.7	2231.9	130430	121.909 ng/ml
O-desmethyl-tramadol	3.425	1675333	16470.9	6.6	6857.0	852106	102.426 ng/ml
Oxazepam	5.756	552212	5513.6	72.5	5025.8	282341	117.401 ng/ml
Oxycodone	3.029	809823	16345.8	29.5	3677.1	345877	104.502 ng/ml
Oxymorphone	1.630	463398	2114.9	44.8	2178.0	173725	106.096 ng/ml
Phentermine	3.826	296697	2052.6	6.2	506.6	329680	112.764 ng/ml
Promethazine	5.570	470650	15879.0	33.3	3550.5	191000	100.048 ng/ml
Quetiapine	5.608	422712	13133.8	60.5	300360.0	55711	109.831 ng/ml
Temazepam	5.818	1070211	5827.5	29.6	2189.2	470465	101.480 ng/ml
Tramadol	4.283	1777576	22207.2	3.5	447.8	878952	108.490 ng/ml
Trazodone	5.437	585804	4230.1	78.4	23860.9	242392	103.597 ng/ml
Venlafaxine	5.076	1381992	24785.8	38.3	10393.8	668817	107.427 ng/ml
Zolpidem	5.236	1869285	7753.3	29.9	13334.1	834514	106.096 ng/ml

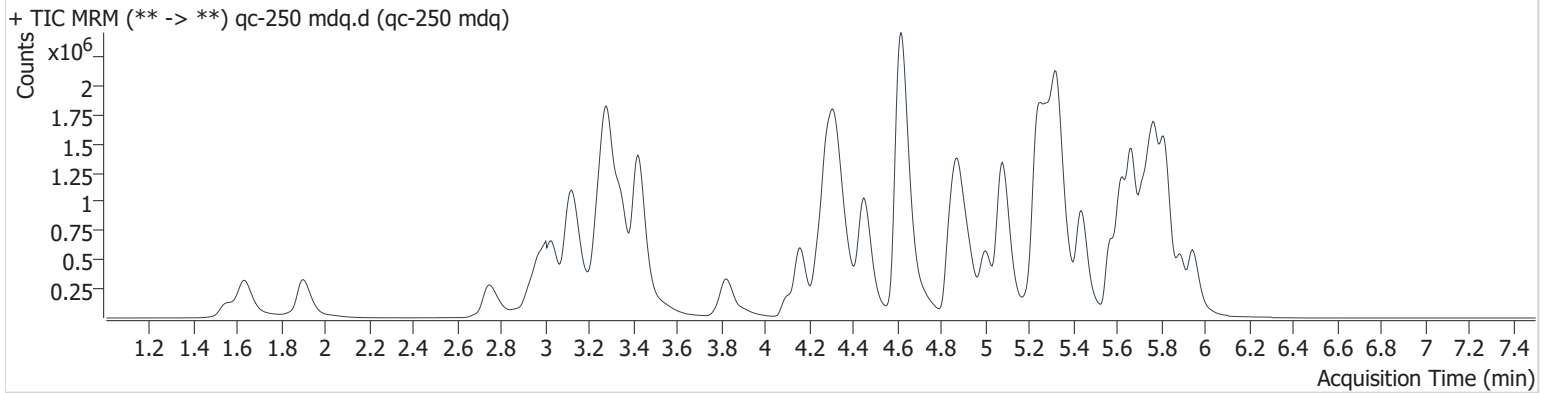
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679
Type QC
Acq. Method MDQP1 5-27-20.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 6/11/2020 1:30:04 PM
Sample Info.

Data File qc-250 mdq.d
Sample qc-250 mdq
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	39298	1344.5	75.5	656.6	41500	25.171 ng/ml
7-aminoclonazepam	4.313	784872	27960.5	83.8	62249.2	122772	241.935 ng/ml
a-hydroxyalprazolam	5.697	160738	1751.4	62.3	802.2	34158	247.988 ng/ml
alpha-PVP	4.453	2376856	49488.6	52.7	18909.1	397606	253.702 ng/ml
Alprazolam	5.776	1090605	16416.2	108.8	11340.2	148083	257.525 ng/ml
Amphetamine	3.120	3399552	13084.8	51.1	4324.5	221112	247.389 ng/ml
Benzoylcegonine	3.905	70981	3437.7	7.8	21189.1	7987	242.565 ng/ml
Buprenorphine	5.830	17350	1254.5	15.7	3513.5	27464	24.650 ng/ml
Bupropion	4.883	2217509	242090.1	61.8	12061.3	330243	245.953 ng/ml
Carisoprodol	5.726	971324	3033.8	61.9	13754.8	192761	253.876 ng/ml
Citalopram	5.256	913013	3966.3	45.5	43997.8	163080	249.445 ng/ml
Clonazepam	5.620	936374	99747.3	34.5	370165.9	63495	252.598 ng/ml
Cocaine	4.327	1849459	23636.7	45.6	117868.5	561997	253.994 ng/ml
Codeine	2.929	242933	18662.8	106.1	14935.4	54374	244.284 ng/ml
Cyclobenzaprine	5.637	824752	7119.2	9.5	38739.7	124229	250.848 ng/ml
Dextromethorphan	5.300	608045	53895.8	74.7	3167.4	116555	253.129 ng/ml
Dextrorphan	4.156	634070	9203.9	214.4	21014.7	296851	246.498 ng/ml
Diazepam	5.947	850576	32989.9	88.1	11930.1	165291	252.814 ng/ml
Dihydrocodeine	2.745	674462	17279.8	63.1	12887.8	151556	249.020 ng/ml
Diphenhydramine	5.331	3200972	190027.8	34.0	21376.3	699957	242.589 ng/ml
Doxylamine	4.615	5579496	222488.1	95.9	292146.5	923749	249.069 ng/ml
EDDP	5.289	984696	3674.8	234.3	126436.8	453854	249.341 ng/ml
Fentanyl	5.198	89057	1175.4	68.7	3951.7	170771	26.081 ng/ml
Hydrocodone	3.239	781445	2720.0	42.1	1229.4	224406	223.861 ng/ml
Hydromorphone	1.898	844931	1915.9	77.8	6038.7	117986	238.454 ng/ml
Ketamine	4.244	1520994	24766.6	37.9	6121.4	296934	256.069 ng/ml
Lamotrigine	4.386	158763	10001.3	89.6	7033.3	221112	271.436 ng/ml
Lorazepam	5.744	580243	15766.5	55.8	1072.4	234018	232.430 ng/ml
MDA	3.251	1934553	8099.0	27.8	5435.4	258373	261.252 ng/ml
MDMA	3.348	1570362	3717.6	86.8	31566.6	66124	259.076 ng/ml
Meprobamate	4.930	870956	8325.5	29.0	1242.6	149184	244.079 ng/ml
Methadone	5.667	2135734	13119.8	47.3	16335.4	409367	245.185 ng/ml
Methamphetamine	3.288	2624129	∞	41.0	4378.3	477594	254.970 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	319974	11934.7	96.6	1371.4	149184	245.041 ng/ml
Mirtazapine	4.846	2315177	45568.8	46.8	58607.8	409367	276.775 ng/ml
Mitragynine	5.327	261505	250930.6	39.6	148821.6	409367	274.834 ng/ml
Morphine	1.547	153601	3224.4	19.8	3237.8	7374	264.494 ng/ml
Norbuprenorphine	5.032	2779	489.7	102.1	4634.4	5675	22.170 ng/ml
Nordiazepam	5.891	768574	12915.8	60.7	48254.1	103521	255.969 ng/ml
Norfentanyl	4.117	44223	15834.1	286.0	3459.5	631571	25.714 ng/ml
Norhydrocodone	3.128	26791	1163.6	41.8	748.0	45936	281.955 ng/ml
Noroxycodone	2.974	787943	6900.1	42.7	16792.1	121558	284.125 ng/ml
O-desmethyl-tramadol	3.425	4110304	25668.9	6.5	1383.6	847760	252.440 ng/ml
Oxazepam	5.751	1054229	9466.4	73.3	4338.4	234018	273.211 ng/ml
Oxycodone	3.024	2012016	14573.2	29.1	11847.7	354890	253.229 ng/ml
Oxymorphone	1.630	1141066	27283.9	44.2	41318.0	178150	256.152 ng/ml
Phentermine	3.826	765577	3026.8	5.8	1661.7	362394	264.958 ng/ml
Promethazine	5.570	1450552	24744.1	32.8	20823.0	257482	242.514 ng/ml
Quetiapine	5.608	1129128	14429.1	59.4	230971.4	66873	247.391 ng/ml
Temazepam	5.818	2472815	48102.2	29.4	2548.3	447514	246.556 ng/ml
Tramadol	4.288	4220240	330110.9	3.5	2959.7	899784	252.635 ng/ml
Trazodone	5.437	1654031	20104.2	78.9	407023.0	289834	250.077 ng/ml
Venlafaxine	5.076	3509300	41100.1	38.8	8441.8	711851	255.877 ng/ml
Zolpidem	5.240	4354041	5236.6	29.8	8359.9	826476	250.275 ng/ml

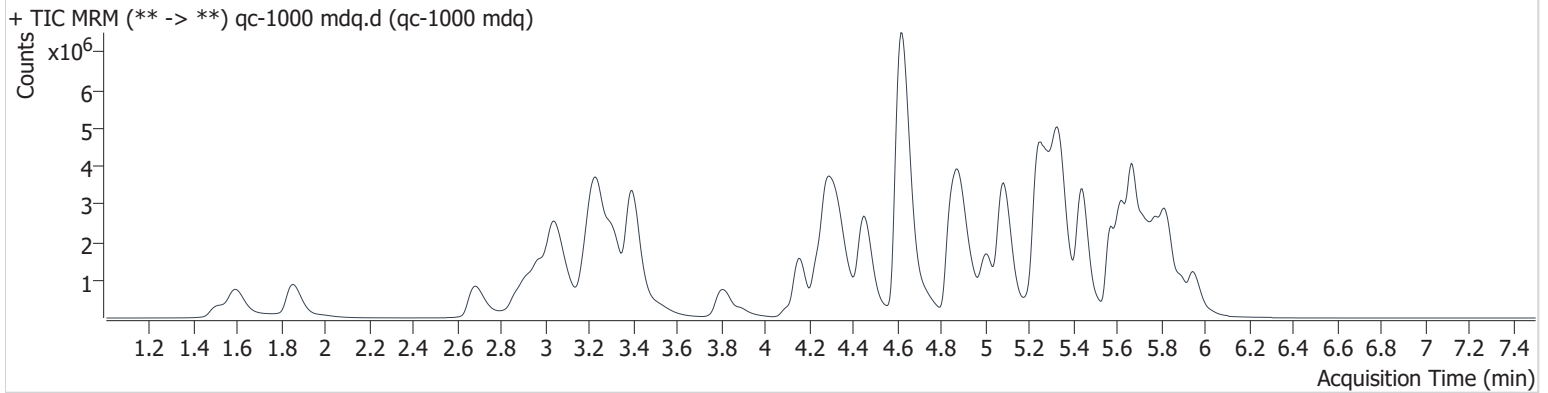
AM #28 Multi-Drug Quant. Results



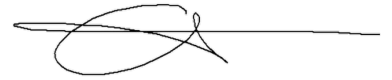
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 1:54:42 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.243	70145	11780.7	82.6	2210.5	17818	104.907 ng/ml
7-aminoclonazepam	4.313	1297380	3403.0	83.5	6703.1	46492	1056.775 ng/ml
a-hydroxyalprazolam	5.697	270003	1142.1	62.7	816.9	14642	972.960 ng/ml
alpha-PVP	4.453	7235274	57608.7	51.8	37717.7	304866	1008.668 ng/ml
Alprazolam	5.776	2450261	20790.3	106.4	816.9	83573	1025.103 ng/ml
Amphetamine	3.049	8212857	22928.8	50.8	35714.6	125836	1051.883 ng/ml
Benzoylcegonine	3.889	322653	14268.3	8.2	1757.4	6952	1267.278 ng/ml
Buprenorphine	5.830	55426	2933.8	15.8	7137.0	19899	111.440 ng/ml
Bupropion	4.887	7083912	7975.0	60.7	7848.5	262974	991.037 ng/ml
Carisoprodol	5.726	1659924	3702.2	61.1	3318.9	83240	1006.094 ng/ml
Citalopram	5.261	1865198	6299.9	46.2	1212.4	93122	907.055 ng/ml
Clonazepam	5.625	1235992	57375.7	34.5	5007.8	23517	902.256 ng/ml
Cocaine	4.328	5028598	13176.3	45.2	2113.4	378498	1025.719 ng/ml
Codeine	2.872	684509	1682.0	113.5	2141.2	47371	791.419 ng/ml ocr
Cyclobenzaprine	5.638	2484641	3438.7	9.2	3906.2	98396	991.877 ng/ml
Dextromethorphan	5.305	1589886	78428.8	75.7	34580.7	76060	1040.476 ng/ml
Dextrorphan	4.156	1948051	129845.6	217.2	83766.8	228580	987.507 ng/ml
Diazepam	5.947	2236057	55523.1	86.8	9019.7	106409	1034.145 ng/ml
Dihydrocodeine	2.679	2246127	8809.2	64.2	10978.7	134451	936.093 ng/ml
Diphenhydramine	5.337	9652736	379302.2	33.2	93850.6	511937	1013.754 ng/ml
Doxylamine	4.615	19106907	59532.7	96.2	61620.3	777400	1014.947 ng/ml
EDDP	5.294	2838593	128277.9	237.4	3708.2	326956	1002.821 ng/ml
Fentanyl	5.198	342085	4982.1	70.9	17675.6	185875	95.921 ng/ml
Hydrocodone	3.198	1628662	1177.9	38.1	13413.6	147258	713.408 ng/ml
Hydromorphone	1.853	2762071	1185.6	74.0	25474.2	98858	932.376 ng/ml
Ketamine	4.239	3611971	98010.1	37.3	15244.0	212161	853.680 ng/ml
Lamotrigine	4.391	321703	6486.0	90.0	8097.1	125836	969.001 ng/ml
Lorazepam	5.744	532920	7129.7	56.4	4252.1	73676	680.559 ng/ml ocr
MDA	3.180	3148615	62544.0	27.9	1376.8	145412	758.868 ng/ml
MDMA	3.308	4277172	73457.3	86.6	62784.4	45595	1025.910 ng/ml
Meprobamate	4.940	1843310	20360.0	29.0	14200.9	76430	1008.286 ng/ml
Methadone	5.667	7731390	31945.7	45.9	9900.9	358167	1035.207 ng/ml
Methamphetamine	3.232	7960861	∞	40.4	8503.0	423612	887.450 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Metoprolol	4.359	637322	87350.2	96.6	80748.5	76430	954.024	ng/ml
Mirtazapine	4.841	7756047	74154.9	46.5	13986.6	358167	1073.758	ng/ml
Mitragynine	5.327	653478	361137.4	38.0	10529.9	358167	804.755	ng/ml
Morphine	1.506	389563	158342.0	21.0	2210.0	5928	836.557	ng/ml ocr
Norbuprenorphine	5.038	7505	10175.2	101.3	2403.6	3791	92.682	ng/ml
Nordiazepam	5.896	1706944	214357.5	60.4	4544.9	57981	1016.609	ng/ml
Norfentanyl	4.112	145290	4761.0	286.7	10763.0	569653	93.852	ng/ml
Norhydrocodone	3.077	121892	1488.6	42.2	1514.2	31671	1850.126	ng/ml ocr
Noroxycodone	2.918	1528709	2762.9	43.3	3898.8	67488	998.816	ng/ml
O-desmethyl-tramadol	3.396	13336262	536261.4	6.3	6684.3	671382	1033.938	ng/ml
Oxazepam	5.751	1087831	14874.6	72.8	9251.5	73676	900.355	ng/ml
Oxycodone	2.973	5944884	16025.2	29.1	8216.9	272017	976.532	ng/ml
Oxymorphone	1.590	3202922	18744.1	44.5	16692.8	128709	998.060	ng/ml
Phentermine	3.811	2392635	1517.2	5.4	2286.7	310020	968.460	ng/ml
Promethazine	5.570	5726158	10171.3	31.8	44766.6	248777	1023.903	ng/ml
Quetiapine	5.608	3569316	48457.1	59.8	53859.9	51355	1025.930	ng/ml
Temazepam	5.823	5487951	11756.1	29.3	8896.4	228425	1072.131	ng/ml
Tramadol	4.278	11783121	215471.6	3.4	4483.3	674159	943.563	ng/ml
Trazodone	5.437	6753001	2428.7	76.1	198063.8	307980	972.222	ng/ml
Venlafaxine	5.081	11084178	317333.7	37.8	76286.7	540022	1064.390	ng/ml
Zolpidem	5.241	12359585	37319.7	28.6	50300.5	633494	928.357	ng/ml

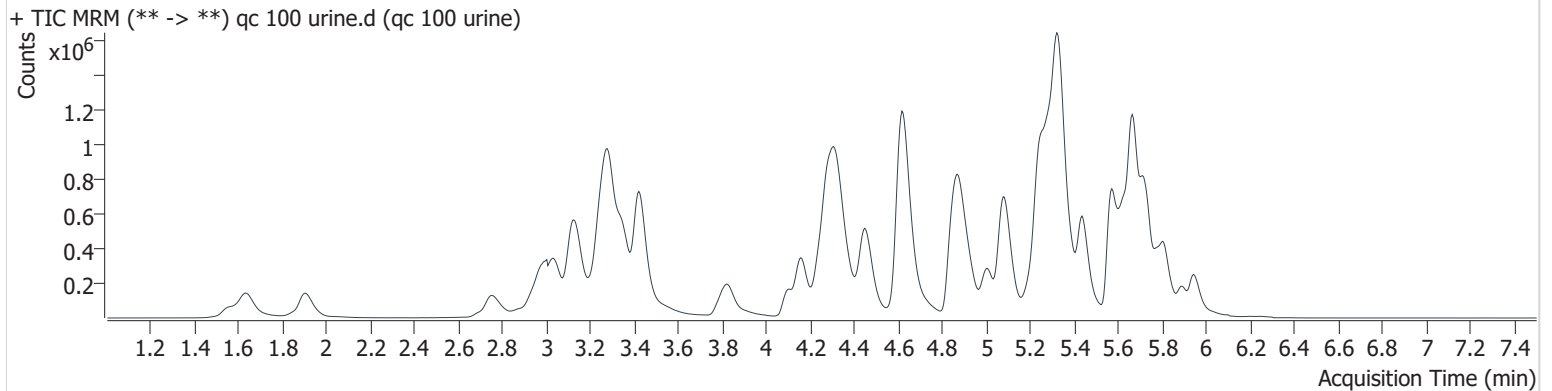
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679
Type QC
Acq. Method MDQP1 5-27-20.m
Sample Position P2-E2
Injection Volume 2
Acq. Date-Time 6/11/2020 2:05:31 PM
Sample Info.

Data File qc 100 urine.d
Sample qc 100 urine
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.273	18887	1612.9	72.6	5257.7	45634	10.955 ng/ml
7-aminoclonazepam	4.313	347459	577.9	88.3	2127.8	135553	96.878 ng/ml
a-hydroxyalprazolam	5.697	49046	1989.7	61.7	439.3	24214	106.507 ng/ml
alpha-PVP	4.454	1023395	10302.2	52.8	1221.6	408910	105.931 ng/ml
Alprazolam	5.776	253866	449.9	108.1	793.6	85624	103.690 ng/ml
Amphetamine	3.125	1606686	19717.2	50.7	4708.3	247394	104.194 ng/ml
Benzoylcegonine	3.905	26546	2215.8	7.8	142.8	7745	93.464 ng/ml
Buprenorphine	5.830	11221	415.5	16.1	2472.3	39217	10.722 ng/ml
Bupropion	4.883	1112367	12916.9	62.1	6550.7	383083	105.540 ng/ml
Carisoprodol	5.721	272621	5790.4	61.1	3664.8	136263	100.513 ng/ml
Citalopram	5.261	680251	1247.3	45.1	4731.1	285810	102.782 ng/ml
Clonazepam	5.620	190980	11859.2	35.0	15642.8	32193	101.138 ng/ml
Cocaine	4.327	808092	2284.4	45.2	17715.5	585654	106.436 ng/ml
Codeine	2.939	99331	957.2	105.9	8618.8	51302	105.519 ng/ml
Cyclobenzaprine	5.638	749460	23422.5	9.4	1359.8	265606	98.868 ng/ml
Dextromethorphan	5.305	522515	10060.5	76.1	602.9	233350	103.670 ng/ml
Dextrorphan	4.156	296836	14252.5	214.8	18600.2	325863	104.355 ng/ml
Diazepam	5.947	299914	3794.8	87.3	9372.1	137987	106.451 ng/ml
Dihydrocodeine	2.750	274134	12730.8	63.9	755.9	143247	106.818 ng/ml
Diphenhydramine	5.331	2213503	4365.1	34.0	17605.4	1125065	101.897 ng/ml
Doxylamine	4.620	2432974	2477.5	95.6	17056.4	953646	104.931 ng/ml
EDDP	5.289	495843	7331.8	236.0	9735.6	546828	103.225 ng/ml
Fentanyl	5.204	91984	1992.4	68.0	2205.7	393803	10.835 ng/ml
Hydrocodone	3.244	390688	1336.3	38.9	9949.7	212200	117.836 ng/ml
Hydromorphone	1.903	331449	4090.8	72.9	12855.9	105527	104.189 ng/ml
Ketamine	4.249	668541	12466.9	37.4	1409.9	300779	110.479 ng/ml
Lamotrigine	4.386	72956	3544.6	88.8	4165.3	247394	110.895 ng/ml
Lorazepam	5.739	84304	2308.8	59.2	84.4	86489	90.582 ng/ml
MDA	3.256	1056923	1010.0	27.8	1598.2	317851	115.040 ng/ml
MDMA	3.348	745904	2172.4	87.1	7970.5	76043	106.496 ng/ml
Meprobamate	4.930	335623	4378.4	29.3	2995.6	138673	101.186 ng/ml
Methadone	5.667	1597671	18327.2	47.5	2928.6	698421	103.790 ng/ml
Methamphetamine	3.293	1216611	2700.0	45.0	∞	477329	114.871 ng/ml



AM #28 Multi-Drug Quant. Results

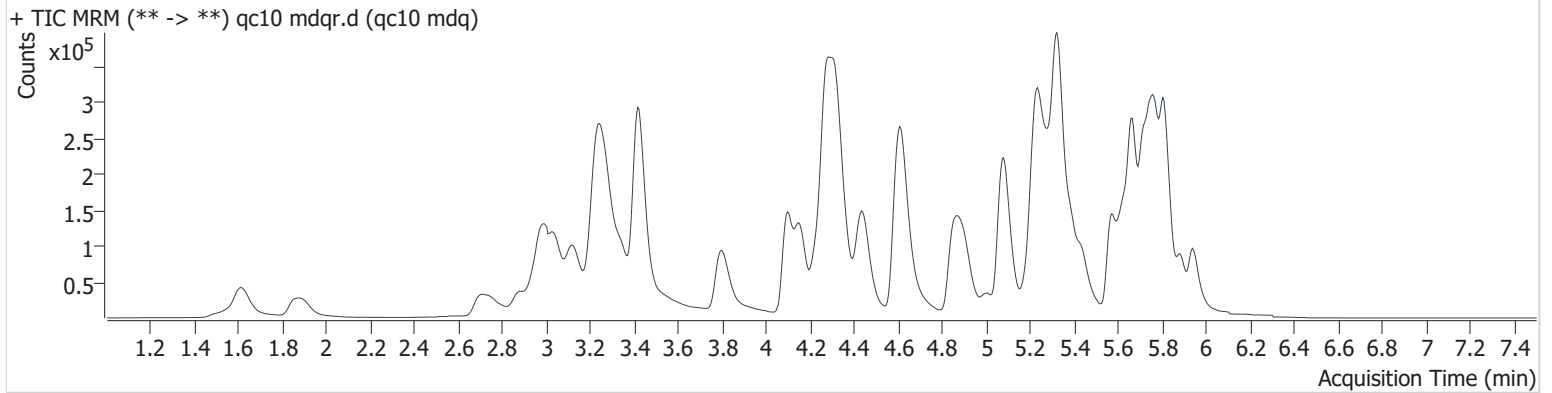
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	154214	18770.1	96.1	5211.9	138673	126.823 ng/ml
Mirtazapine	4.846	1435267	2233.4	46.9	17490.9	698421	97.421 ng/ml
Mitragynine	5.327	264807	173387.6	37.3	2758.5	698421	158.788 ng/ml
Morphine	1.552	68348	2882.3	20.5	5817.6	8367	103.170 ng/ml
Norbuprenorphine	5.033	2230	3153.0	96.3	2970.0	9527	10.069 ng/ml
Nordiazepam	5.896	224353	19945.1	60.1	8640.0	67854	113.694 ng/ml
Norfentanyl	4.122	17616	1938.2	285.6	196.5	600438	10.733 ng/ml
Norhydrocodone	3.128	11948	33.7	43.5	423.7	50962	114.463 ng/ml
Noroxycodone	2.979	350176	5120.5	43.6	125.7	125853	120.604 ng/ml
O-desmethyl-tramadol	3.425	1646699	14102.8	6.6	5184.3	832570	103.037 ng/ml
Oxazepam	5.746	133998	3203.7	79.6	895.2	86489	92.552 ng/ml
Oxycodone	3.029	842288	10097.6	29.5	1583.5	360148	104.385 ng/ml
Oxymorphone	1.635	450252	2616.5	44.9	1591.7	167706	106.792 ng/ml
Phentermine	3.831	351301	2356.1	5.9	598.1	381206	115.475 ng/ml
Promethazine	5.570	1421236	20504.2	32.9	8758.2	598781	95.976 ng/ml
Quetiapine	5.608	549628	16435.6	60.2	21939.2	72382	109.917 ng/ml
Temazepam	5.813	428023	2617.8	31.1	408.4	185476	102.949 ng/ml
Tramadol	4.288	1859452	4659.0	3.5	954.8	933295	106.868 ng/ml
Trazodone	5.437	928288	17114.3	78.2	12915.2	410557	96.664 ng/ml
Venlafaxine	5.081	1536012	1156.3	38.7	1422.4	735424	108.582 ng/ml
Zolpidem	5.241	1808831	22126.6	30.0	7957.5	823128	104.074 ng/ml

AM #28 Multi-Drug Quant. Results

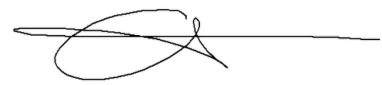
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	qc10 mdqr.d
Type	QC	Sample	qc10 mdq
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 2:16:18 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.279	1990	702.4	75.9	916.3	47430	1.037 ng/ml
7-aminoclonazepam	4.313	43073	1874.1	84.1	1444.1	163927	9.739 ng/ml
a-hydroxyalprazolam	5.697	9227	591.7	57.7	1187.9	44293	10.586 ng/ml
alpha-PVP	4.454	97552	10760.0	54.1	3633.6	397473	9.946 ng/ml
Alprazolam	5.771	55591	2689.4	108.8	2141.1	192067	10.148 ng/ml
Amphetamine	3.125	141738	1444.2	59.7	1046.7	233501	9.259 ng/ml
Benzoylcegonine	3.905	2743	205.3	7.3	128.2	6806	10.872 ng/ml
Buprenorphine	5.830	1023	122.7	18.7	290.8	23954	0.912 ng/ml
Bupropion	4.883	94896	2624.1	61.8	2130.7	308010	9.908 ng/ml
Carisoprodol	5.726	53522	2553.0	64.1	279.5	256798	10.045 ng/ml
Citalopram	5.256	69390	201.6	46.5	2568.2	203621	9.853 ng/ml
Clonazepam	5.620	51016	1393.1	35.4	165.0	83794	9.667 ng/ml
Cocaine	4.327	86578	646.5	45.4	1393.9	634760	10.428 ng/ml
Codeine	2.939	10172	417.6	107.2	1287.6	52981	9.916 ng/ml
Cyclobenzaprine	5.638	97475	4199.3	9.2	165.0	168866	9.507 ng/ml
Dextromethorphan	5.300	53946	2219.3	75.1	3839.1	148866	9.466 ng/ml
Dextrorphan	4.156	28543	1567.8	216.9	3236.5	292883	9.970 ng/ml
Diazepam	5.942	39363	1499.8	87.3	1255.7	182422	10.052 ng/ml
Dihydrocodeine	2.750	26999	1113.7	65.4	2967.0	146079	9.894 ng/ml
Diphenhydramine	5.331	208595	4686.6	33.9	8279.5	771334	10.268 ng/ml
Doxylamine	4.615	227226	1715.0	95.5	2451.5	876760	10.236 ng/ml
EDDP	5.289	28810	238.3	234.9	923.7	286243	9.955 ng/ml
Fentanyl	5.198	9093	246.7	73.2	4839.4	197637	0.902 ng/ml
Hydrocodone	3.244	43088	789.2	36.6	539.8	237047	10.634 ng/ml
Hydromorphone	1.903	35900	3345.3	74.1	5249.0	113311	9.876 ng/ml
Ketamine	4.249	71151	5248.5	38.0	379.1	316840	10.154 ng/ml
Lamotrigine	4.380	7936	671.9	88.2	1321.6	233501	11.900 ng/ml
Lorazepam	5.749	43477	311.2	54.3	188.6	343631	10.622 ng/ml
MDA	3.257	114980	709.7	27.6	201.6	328689	10.519 ng/ml
MDMA	3.348	70758	929.4	87.5	1897.4	68691	10.406 ng/ml
Meprobamate	4.925	41638	568.5	28.8	1404.8	175550	9.919 ng/ml
Methadone	5.667	149961	3873.4	48.9	3321.8	428704	10.266 ng/ml
Methamphetamine	3.288	156752	∞	41.8	213.4	436275	10.737 ng/ml



AM #28 Multi-Drug Quant. Results

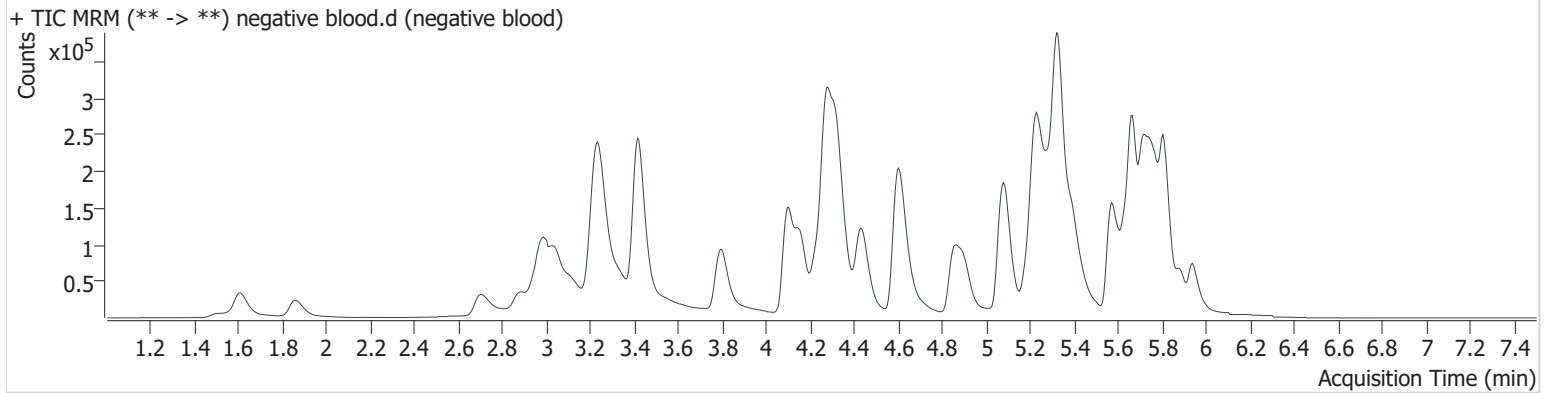
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.354	16266	1458.3	98.1	3831.3	175550	10.134 ng/ml
Mirtazapine	4.846	125776	1935.0	47.1	2546.3	428704	9.668 ng/ml
Mitragynine	5.322	18141	22479.2	37.9	3147.7	428704	8.247 ng/ml
Morphine	1.547	5917	811.7	20.2	280.8	7116	9.666 ng/ml
Norbuprenorphine	5.022	250	507.6	102.8	385.4	5366	1.193 ng/ml
Nordiazepam	5.891	37943	1936.3	61.6	4998.5	121228	10.270 ng/ml
Norfentanyl	4.122	1907	226.9	251.2	134.1	586451	1.127 ng/ml
Norhydrocodone	3.133	998	990.1	46.2	127.2	58786	10.024 ng/ml
Noroxycodone	2.979	40650	197.2	42.7	862.5	144887	10.024 ng/ml
O-desmethyl-tramadol	3.425	172013	6300.3	6.5	648.5	887110	10.190 ng/ml
Oxazepam	5.756	65162	944.1	75.2	989.9	343631	9.442 ng/ml
Oxycodone	3.029	82844	1169.0	28.9	745.7	359484	10.169 ng/ml
Oxymorphone	1.630	47592	2294.4	44.5	58.6	178234	9.727 ng/ml
Phentermine	3.826	29510	62.9	6.5	27.3	340728	10.680 ng/ml
Promethazine	5.570	106452	6630.2	33.6	302.3	289929	5.789 ng/ml
Quetiapine	5.608	57397	3415.8	60.6	17236.5	64331	10.765 ng/ml
Temazepam	5.818	116904	2413.7	30.8	277.8	521404	9.969 ng/ml
Tramadol	4.283	191953	8474.8	3.3	29.4	944633	10.201 ng/ml
Trazodone	5.437	91880	1244.2	77.8	494.4	279336	10.642 ng/ml
Venlafaxine	5.076	145373	726.8	40.0	112.3	719267	10.782 ng/ml
Zolpidem	5.241	194029	1536.2	31.1	2233.7	879243	9.954 ng/ml

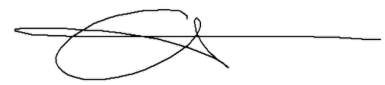
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 2:37:53 PM		
Sample Info.			

Sample Chromatogram



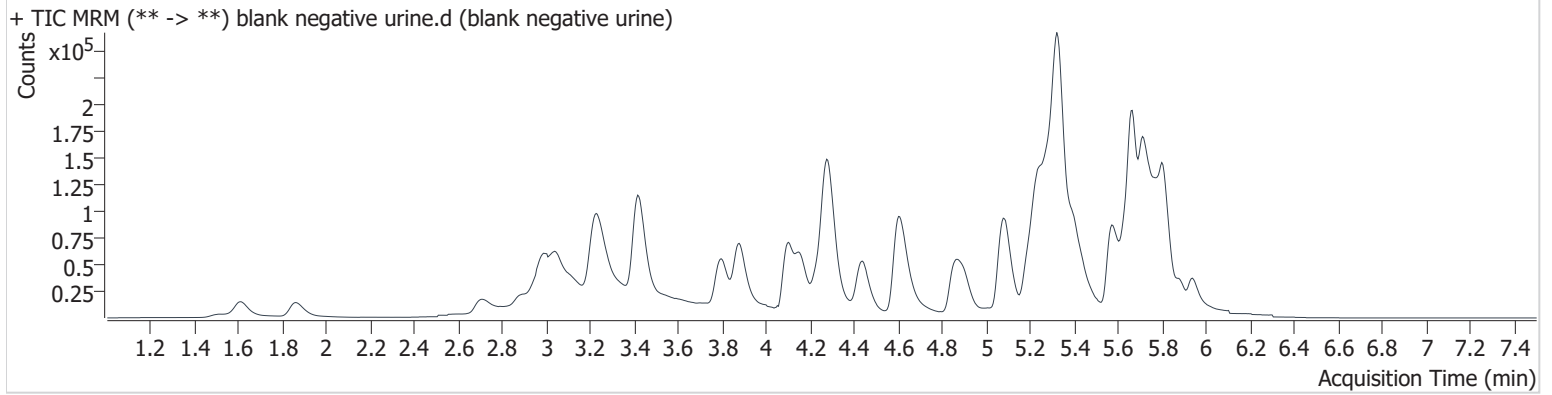


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	blank negative urine.d
Type	Sample	Sample	blank negative urine
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	Vial 5	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 4:47:36 PM		
Sample Info.			

Sample Chromatogram



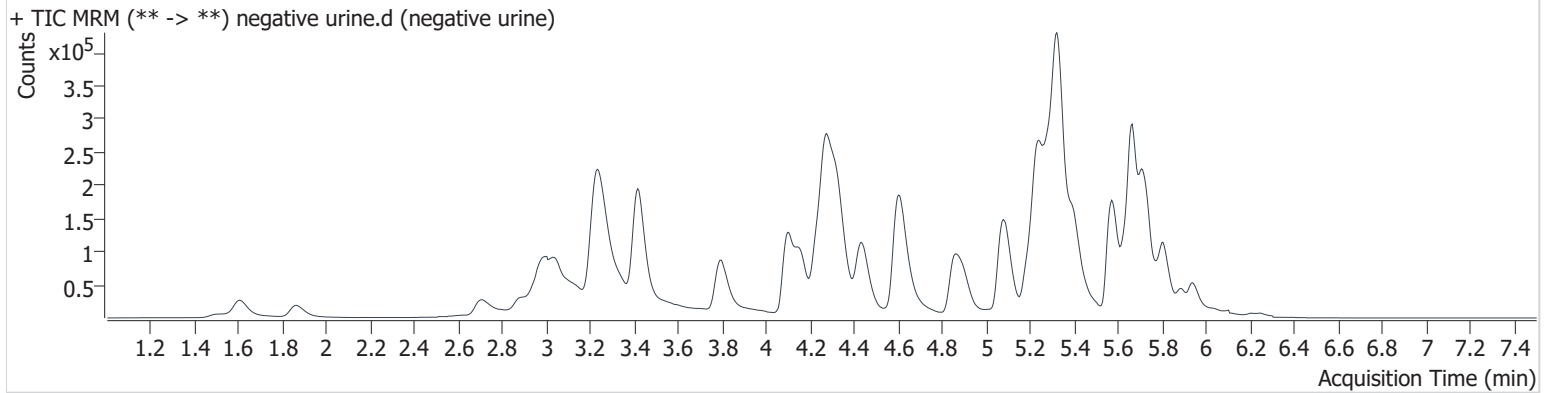


AM #28 Multi-Drug Quant. Results

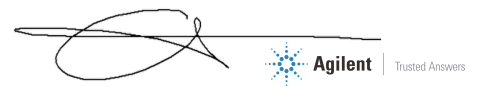
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Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	negative urine.d
Type	Sample	Sample	negative urine
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-A4	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 4:58:20 PM		
Sample Info.			

Sample Chromatogram

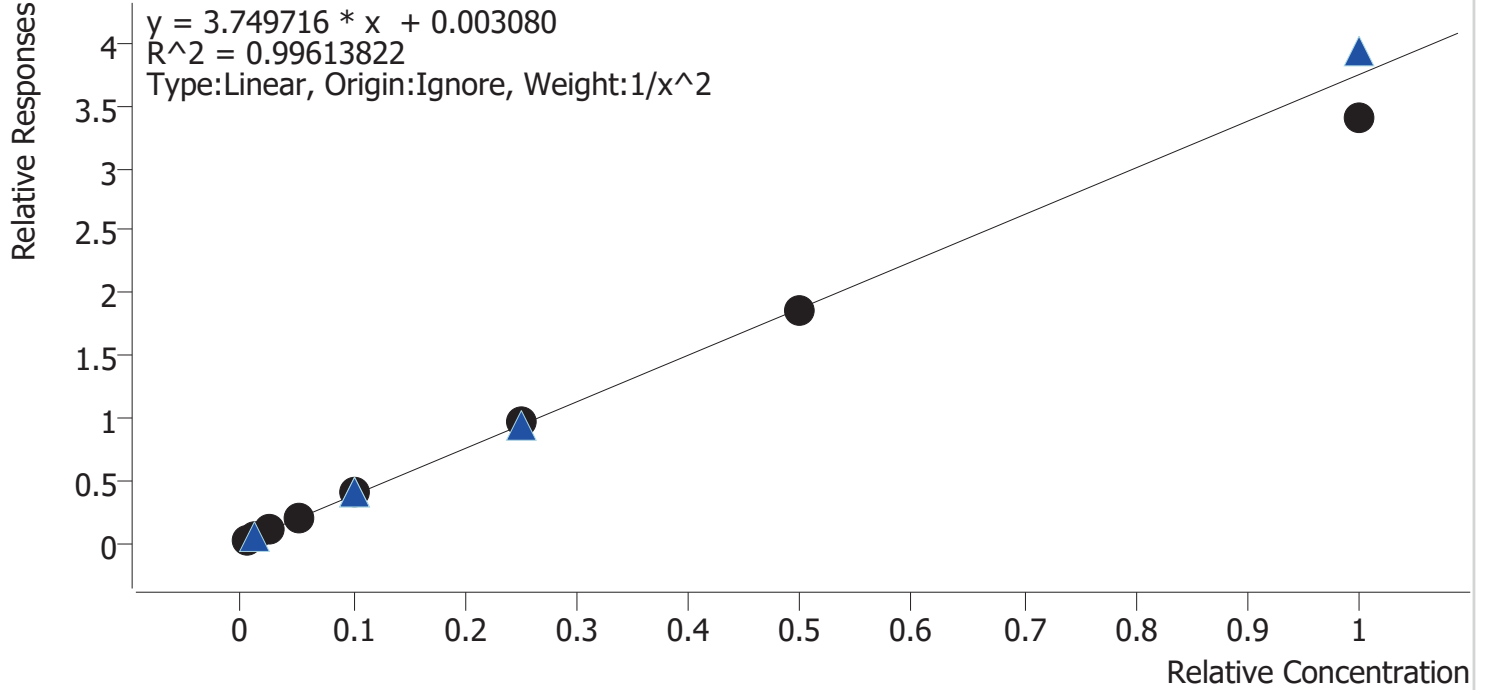


Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

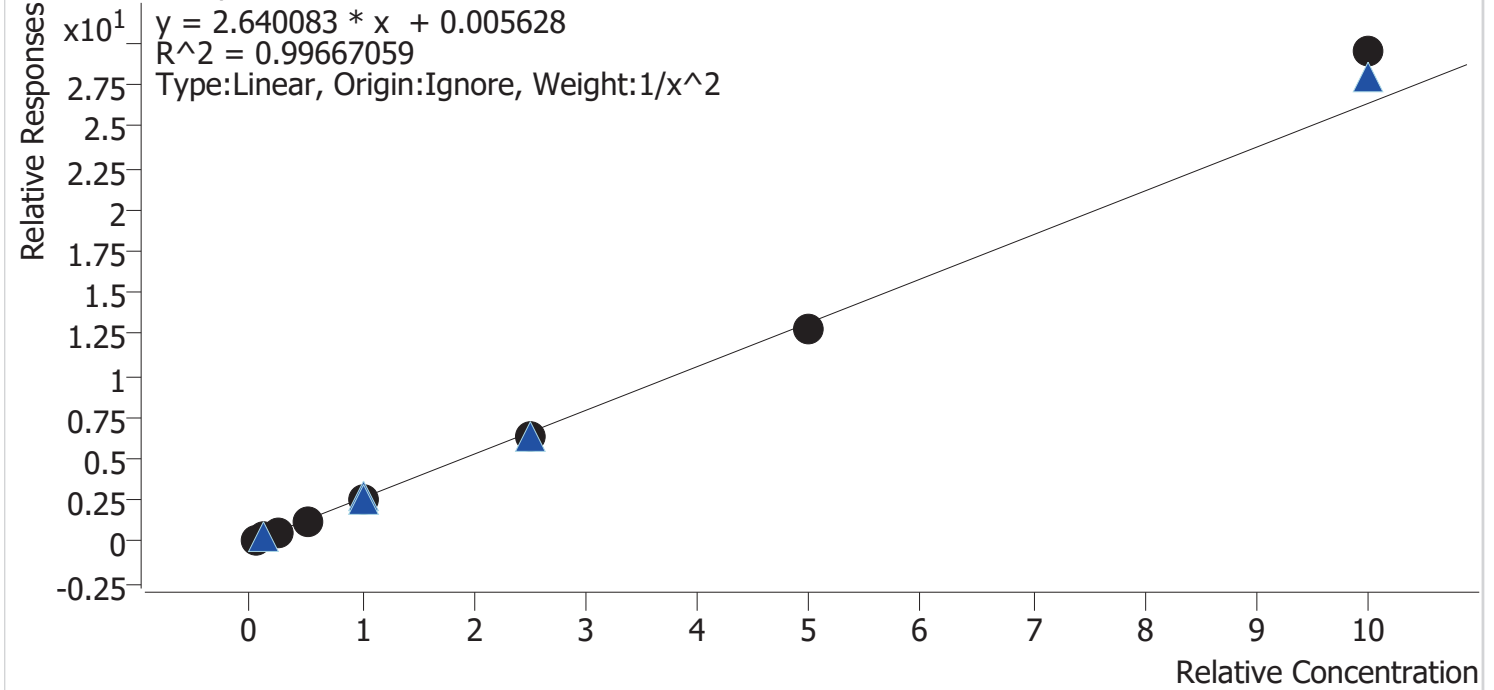


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.3
cal 2 mdq	2	✓	1.0	0.9	93.8
cal 3 mdq	3	✓	2.5	2.6	105.9
cal 4 mdq	4	✓	5.0	5.3	105.1
cal 5 mdq	5	✓	10.0	10.3	103.0
cal 6 mdq	6	✓	25.0	25.4	101.6
cal 7 mdq	7	✓	50.0	49.4	98.7
cal 8 mdq	8	✓	100.0	90.5	90.5

Compound Calibration Report

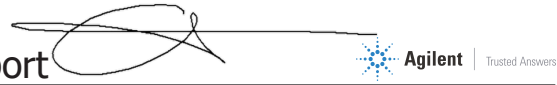
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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

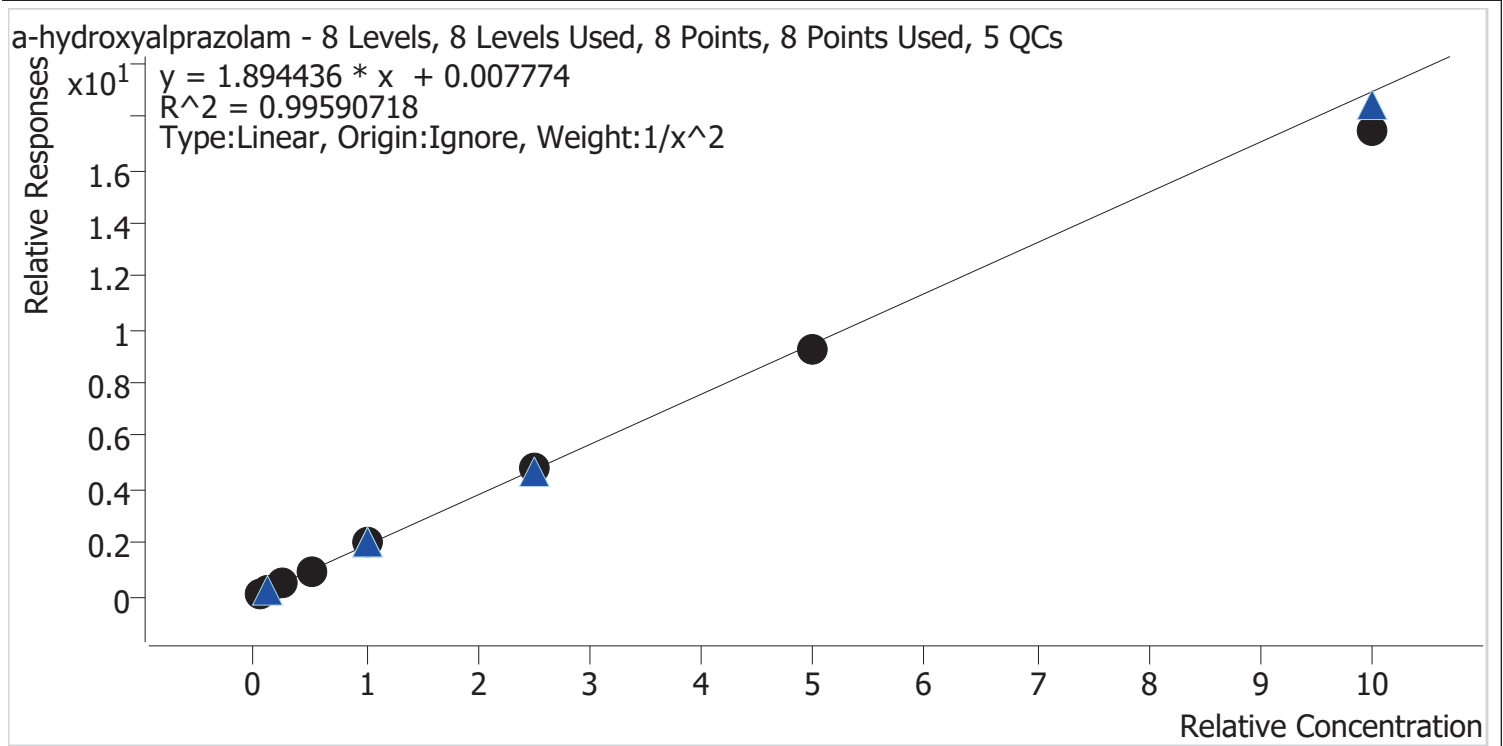


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	243.1	97.2
cal 7 mdq	7	✓	500.0	484.4	96.9
cal 8 mdq	8	✓	1000.0	1118.0	111.8

Compound Calibration Report

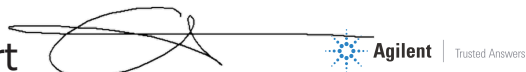


Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



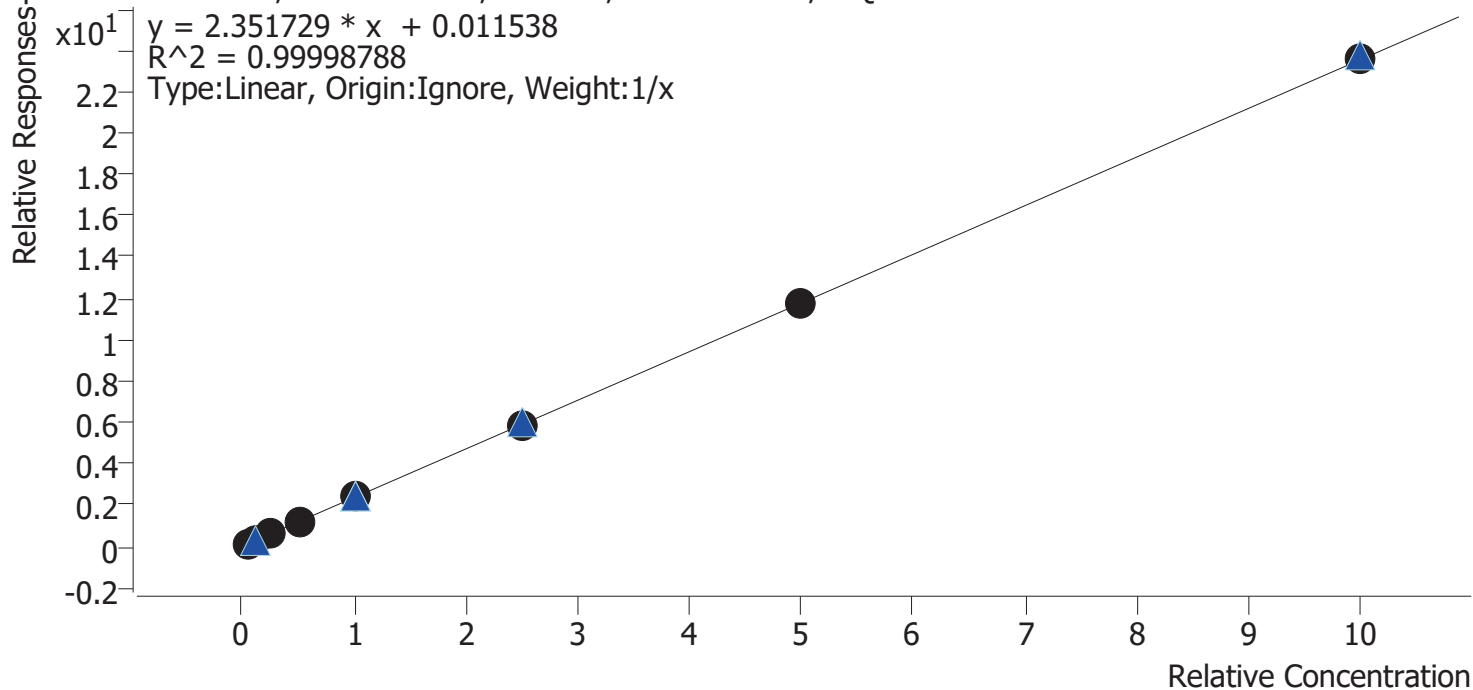
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.9
cal 2 mdq	2	✓	10.0	11.0	110.0
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	104.1	104.1
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	486.1	97.2
cal 8 mdq	8	✓	1000.0	921.4	92.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

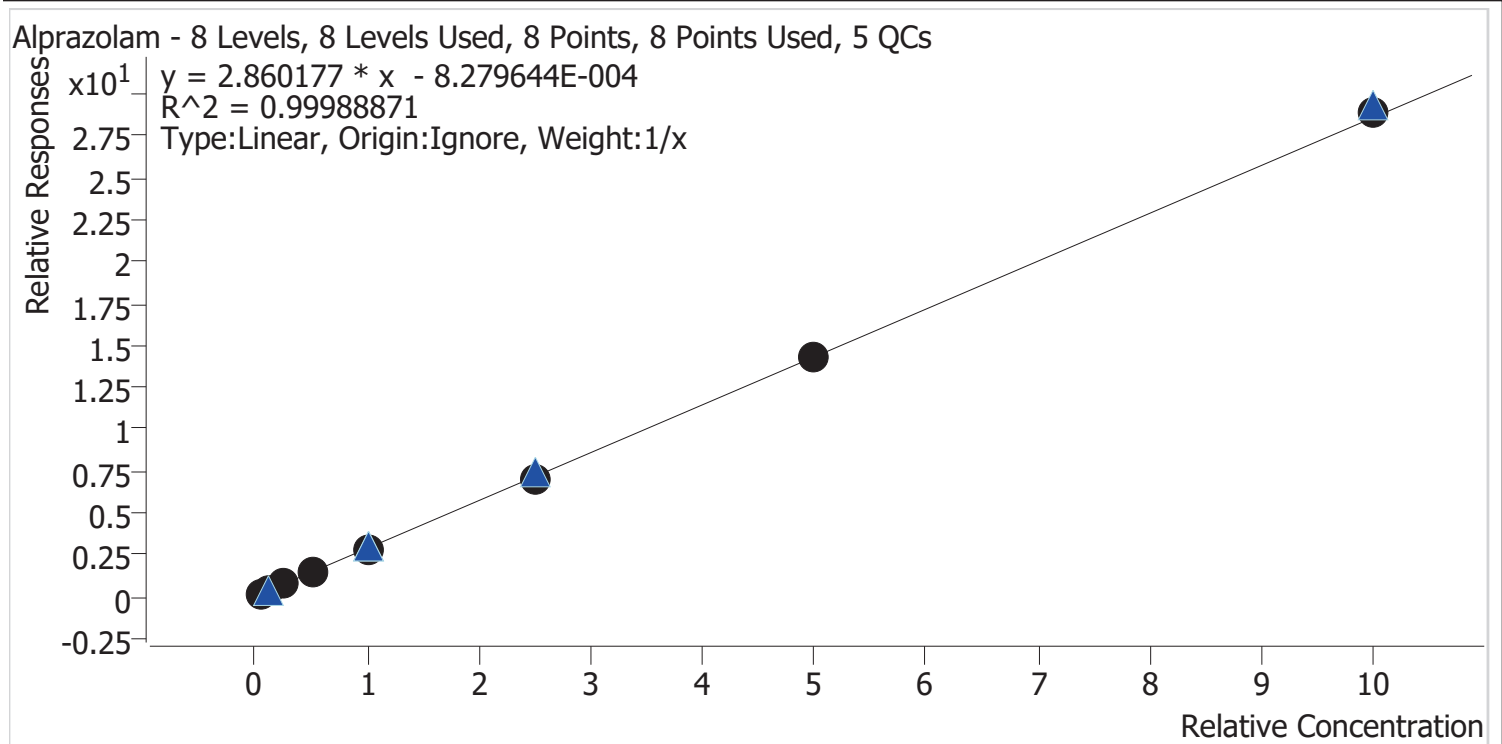


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	1001.6	100.2

Compound Calibration Report

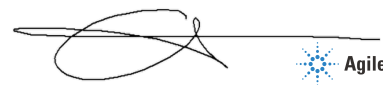


Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Alprazolam	Internal Standard	Alprazolam-D5



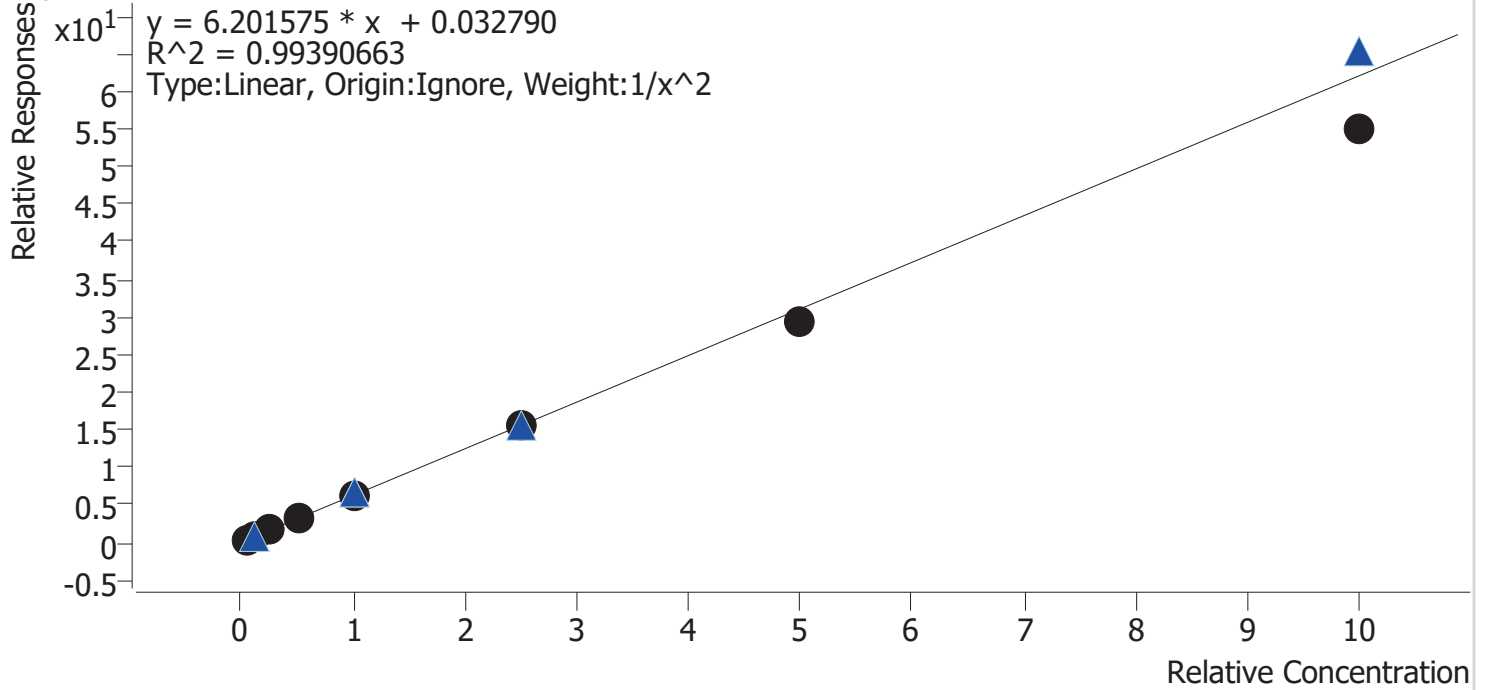
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.4
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	48.8	97.6
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	247.0	98.8
cal 7 mdq	7	✓	500.0	496.9	99.4
cal 8 mdq	8	✓	1000.0	1008.7	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



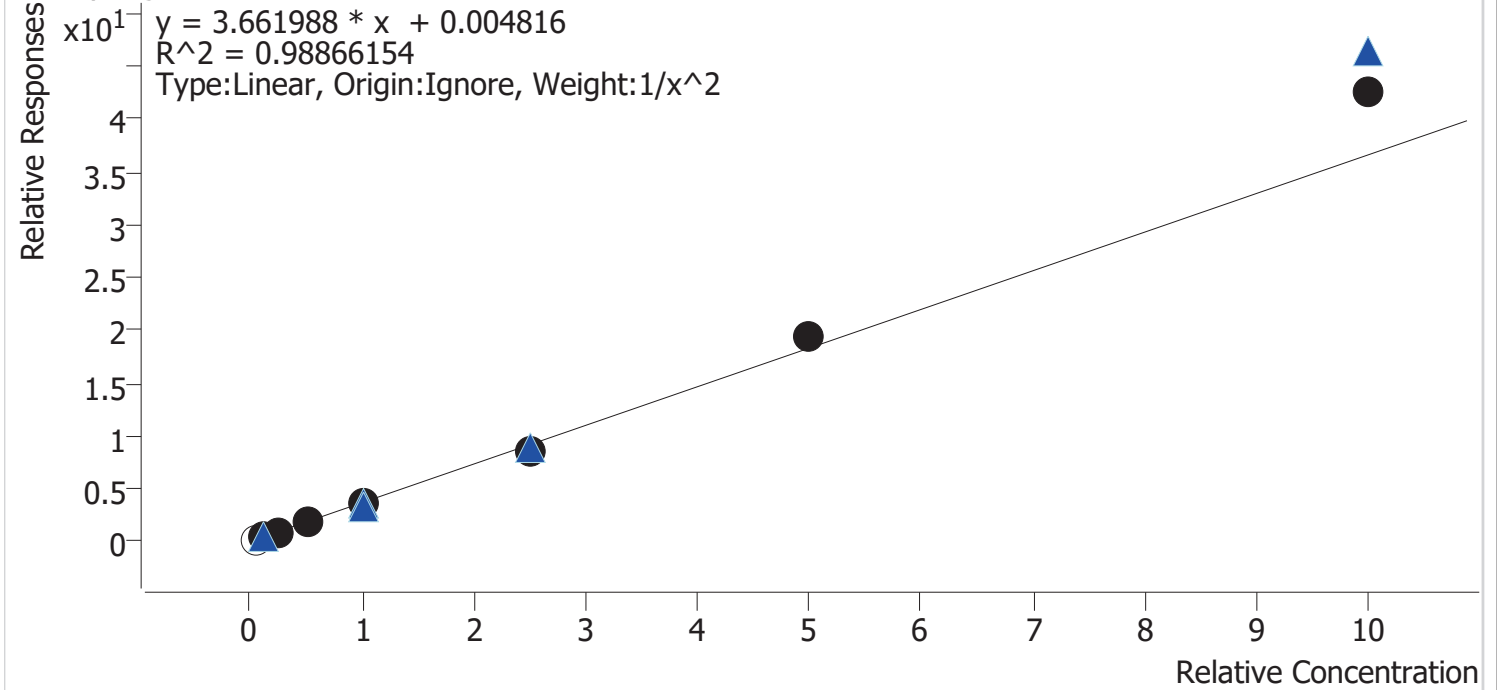
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	27.7	110.6
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	248.2	99.3
cal 7 mdq	7	✓	500.0	475.9	95.2
cal 8 mdq	8	✓	1000.0	889.9	89.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



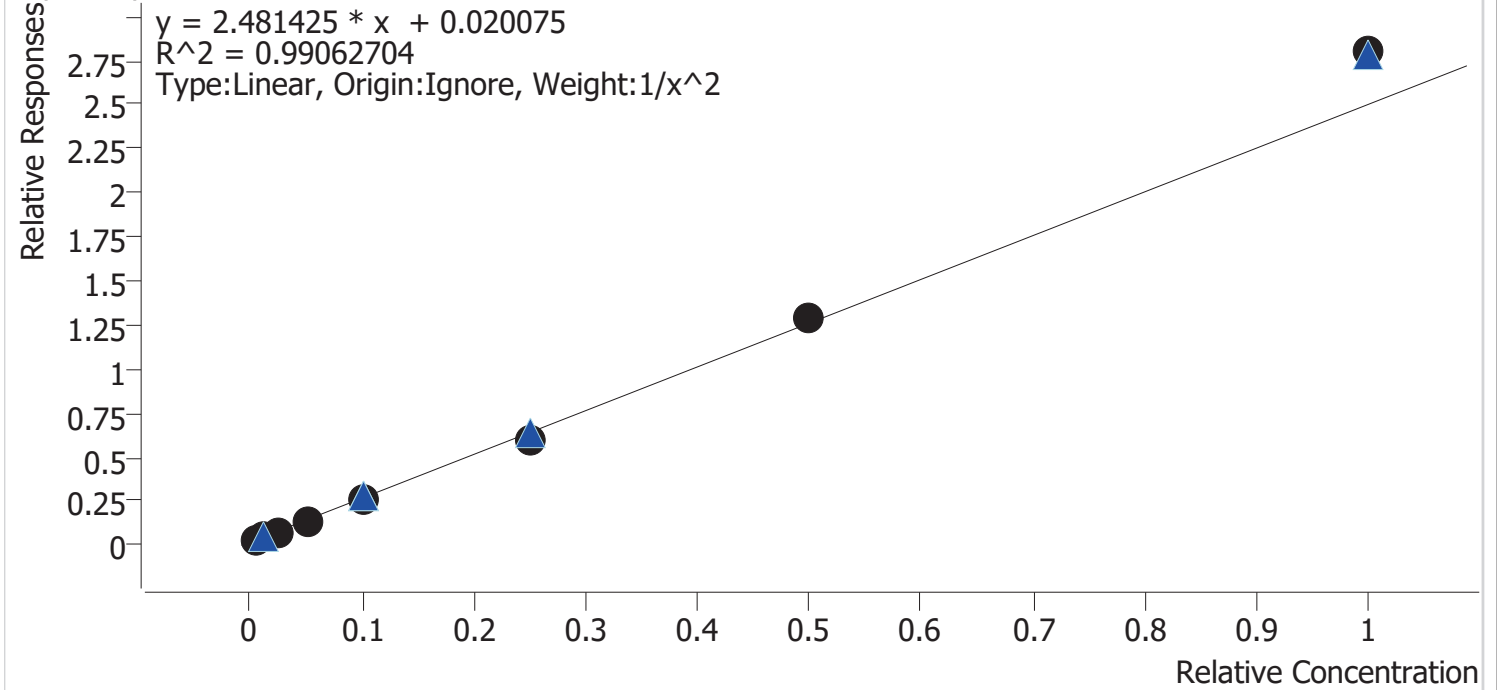
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	5.0	4.0	80.2
cal 2 mdq	2	✓	10.0	10.5	105.2
cal 3 mdq	3	✓	25.0	23.0	91.9
cal 4 mdq	4	✓	50.0	46.1	92.2
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	231.3	92.5
cal 7 mdq	7	✓	500.0	529.0	105.8
cal 8 mdq	8	✓	1000.0	1158.7	115.9

Compound Calibration Report



Batch results	D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Buprenorphine	Internal Standard	Buprenorphine-D4

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

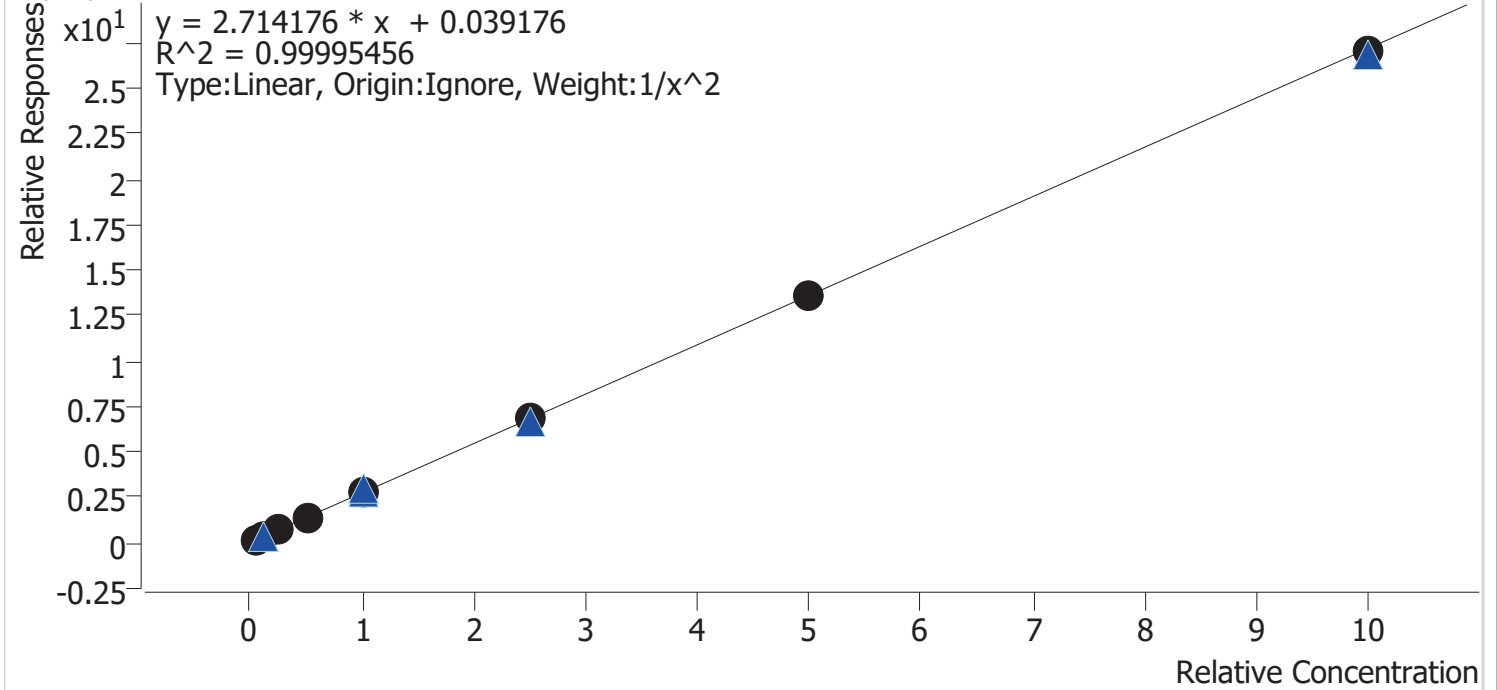


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	96.9
cal 2 mdq	2	✓	1.0	1.1	111.9
cal 3 mdq	3	✓	2.5	2.2	88.0
cal 4 mdq	4	✓	5.0	4.8	97.0
cal 5 mdq	5	✓	10.0	9.7	96.9
cal 6 mdq	6	✓	25.0	23.6	94.5
cal 7 mdq	7	✓	50.0	51.4	102.8
cal 8 mdq	8	✓	100.0	112.1	112.1

Compound Calibration Report

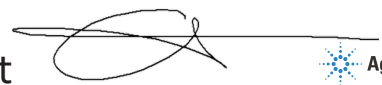
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



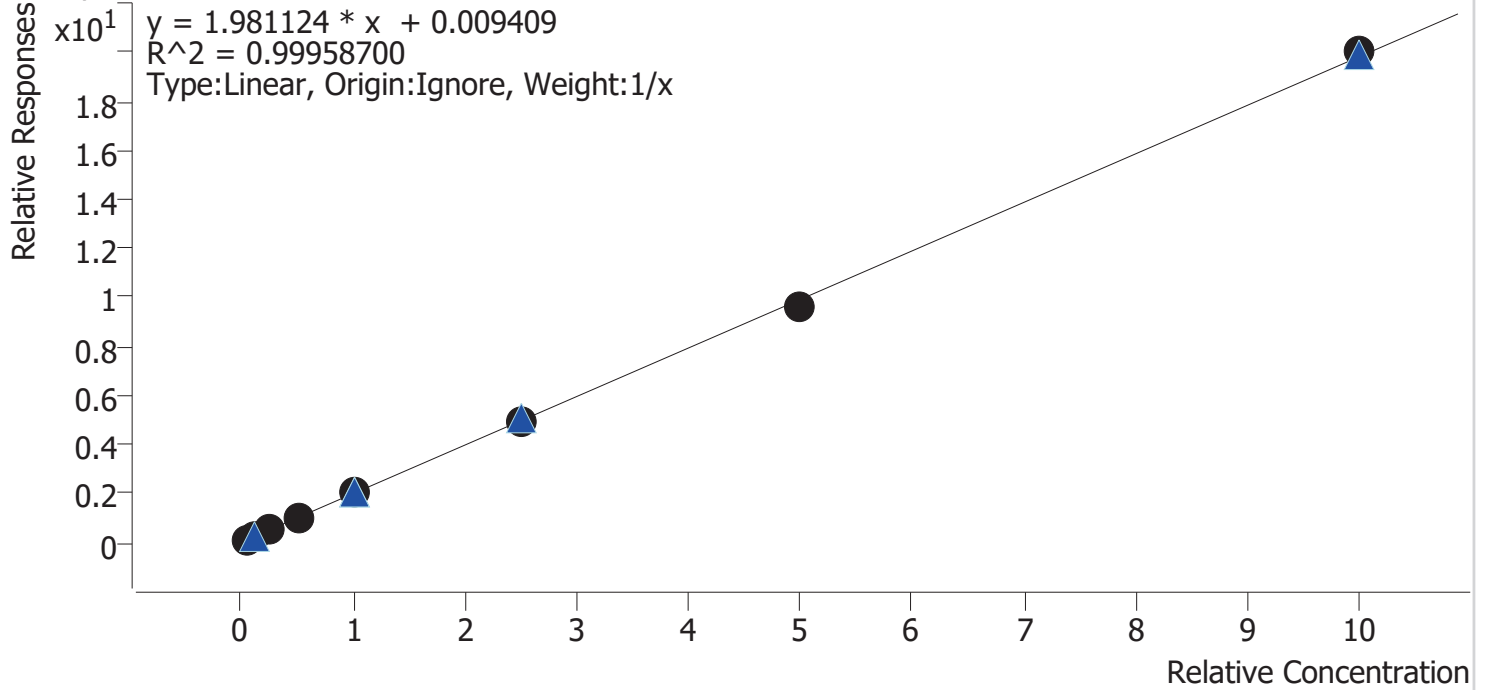
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	25.1	100.6
cal 4 mdq	4	✓	50.0	50.5	101.1
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	993.7	99.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

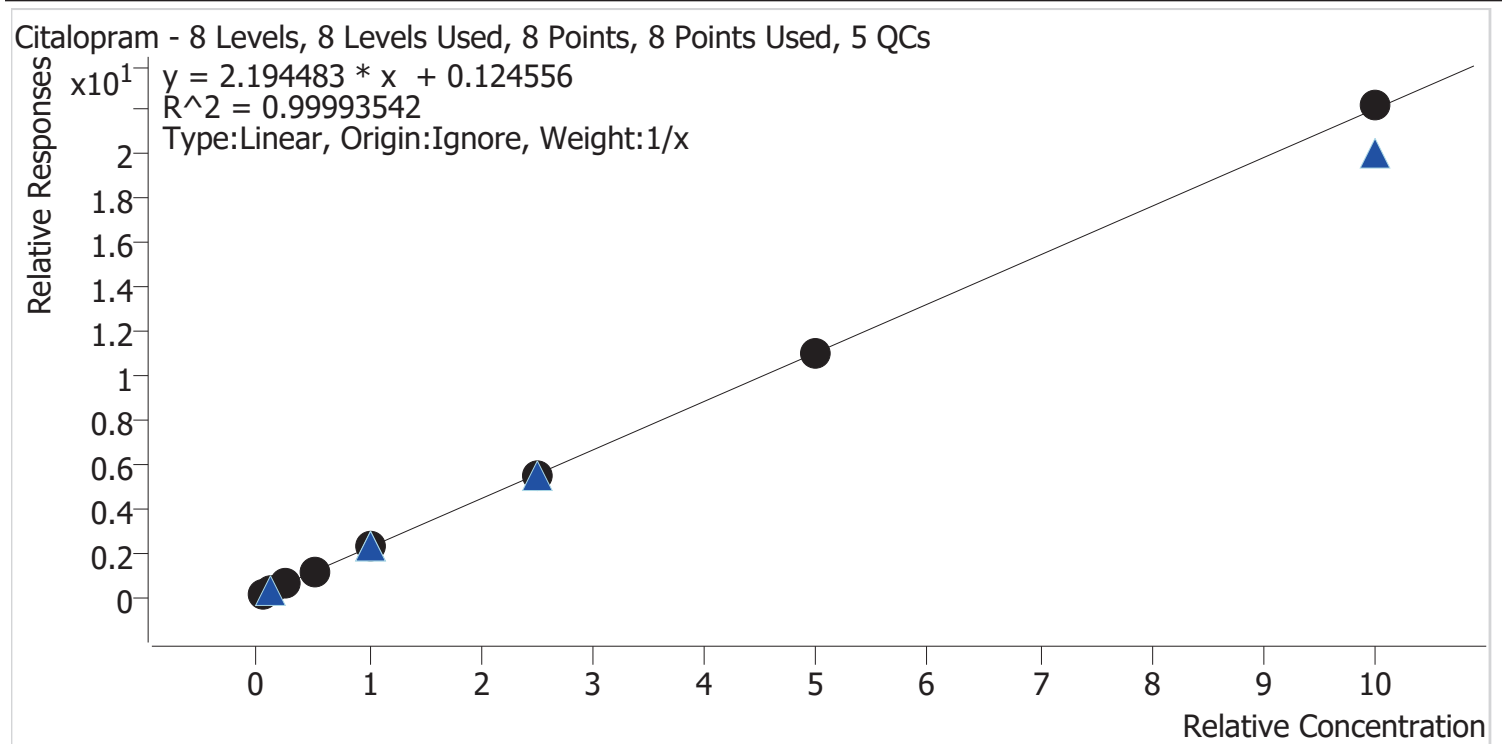


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	9.5	94.5
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	52.7	105.5
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	249.8	99.9
cal 7 mdq	7	✓	500.0	485.7	97.1
cal 8 mdq	8	✓	1000.0	1010.7	101.1

Compound Calibration Report

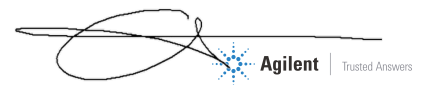


Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



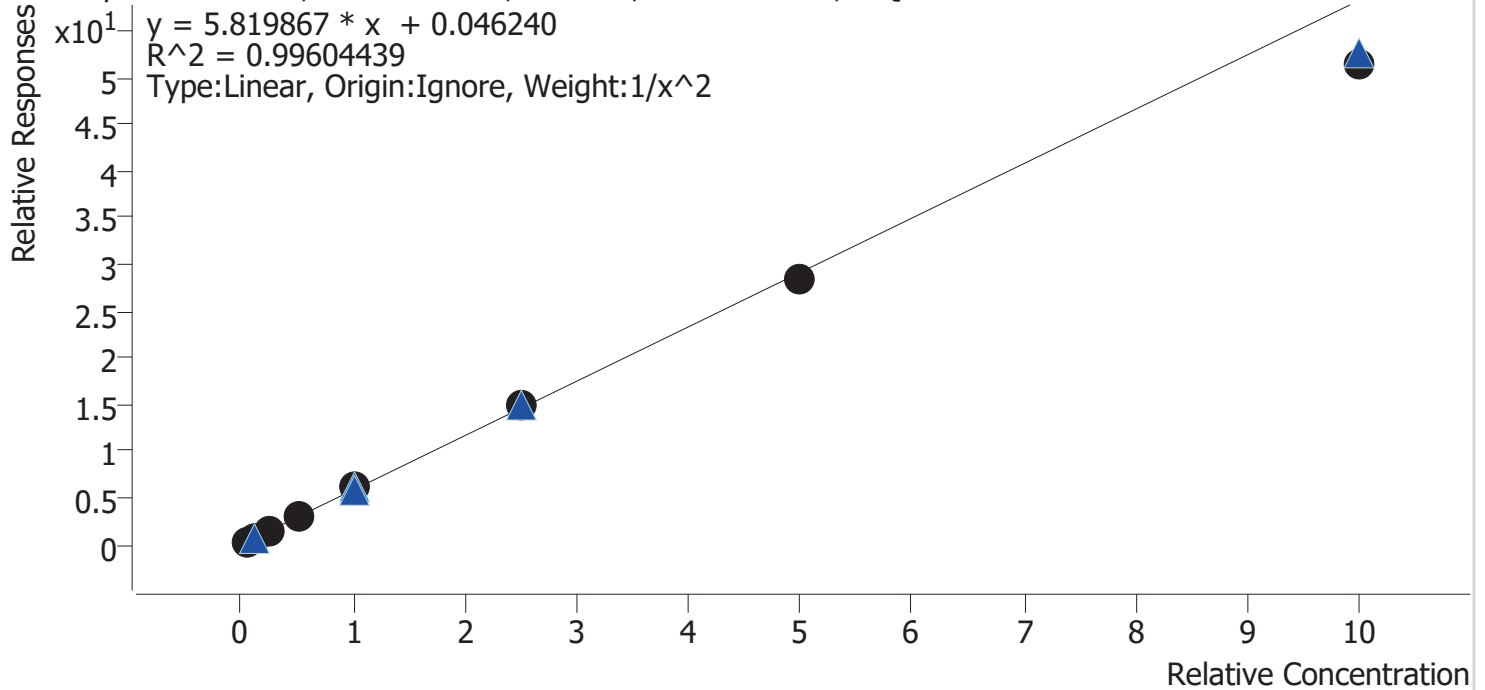
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	248.6	99.4
cal 7 mdq	7	✓	500.0	495.4	99.1
cal 8 mdq	8	✓	1000.0	1006.9	100.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

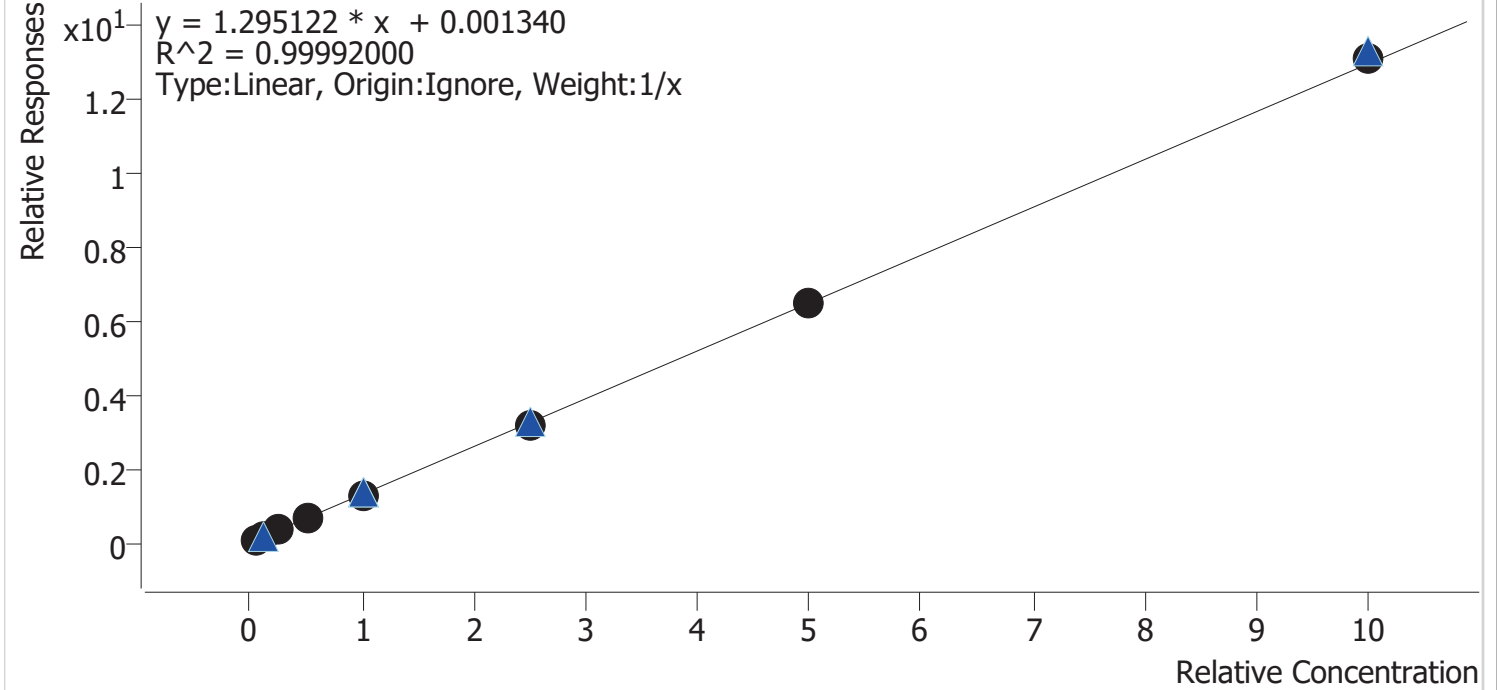


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.2
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	26.0	103.8
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	485.2	97.0
cal 8 mdq	8	✓	1000.0	883.9	88.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



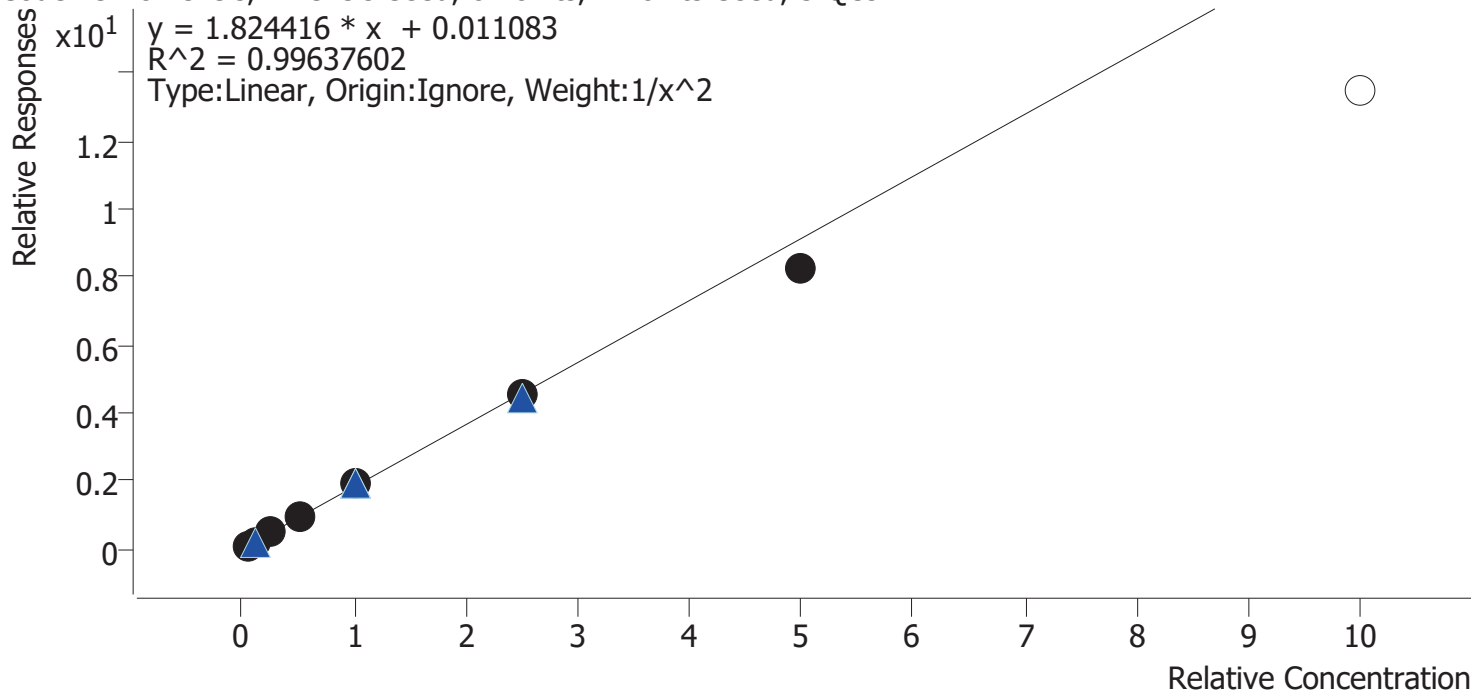
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.4
cal 2 mdq	2	✓	10.0	10.1	101.4
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	49.8	99.5
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	247.3	98.9
cal 7 mdq	7	✓	500.0	496.2	99.2
cal 8 mdq	8	✓	1000.0	1007.9	100.8

Compound Calibration Report



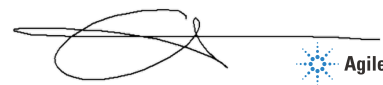
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



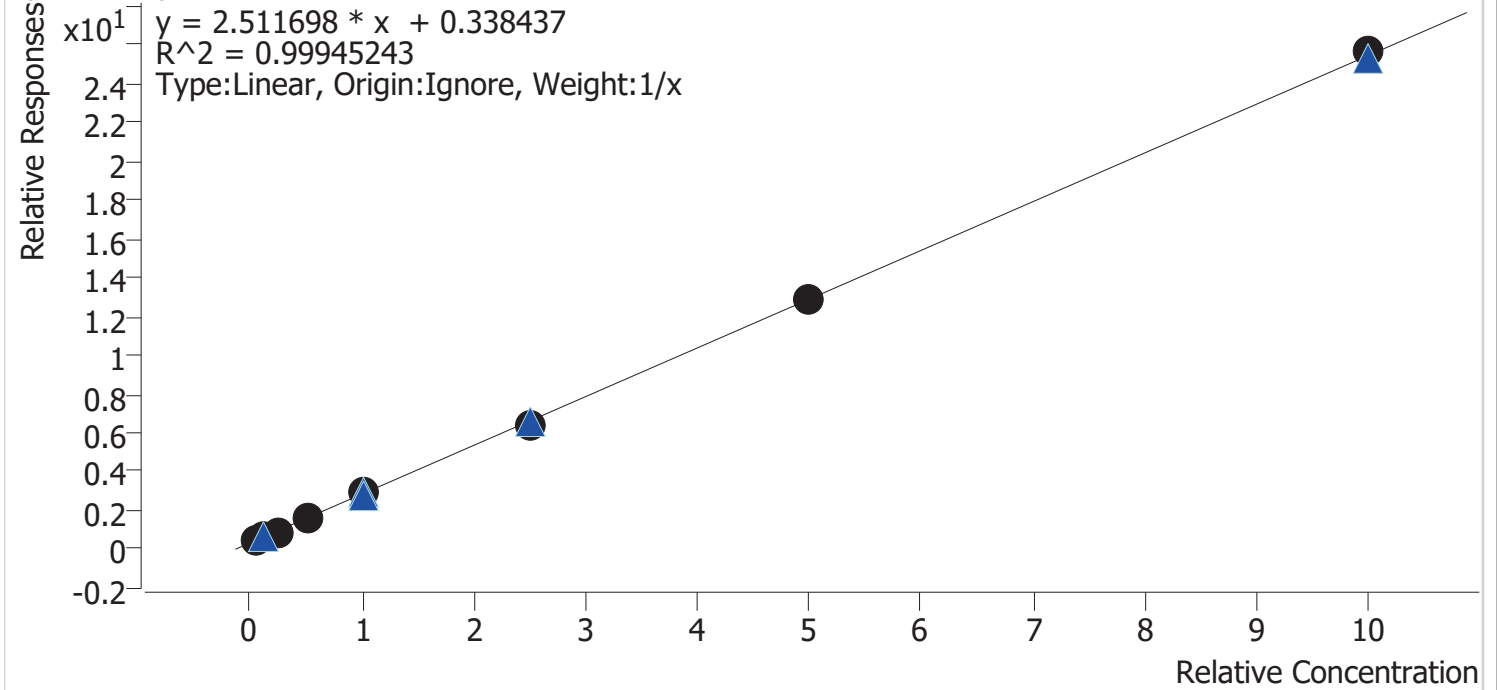
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.5	104.7
cal 3 mdq	3	✓	25.0	25.9	103.8
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	248.1	99.3
cal 7 mdq	7	✓	500.0	452.1	90.4
cal 8 mdq	8	×	1000.0	737.8	73.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

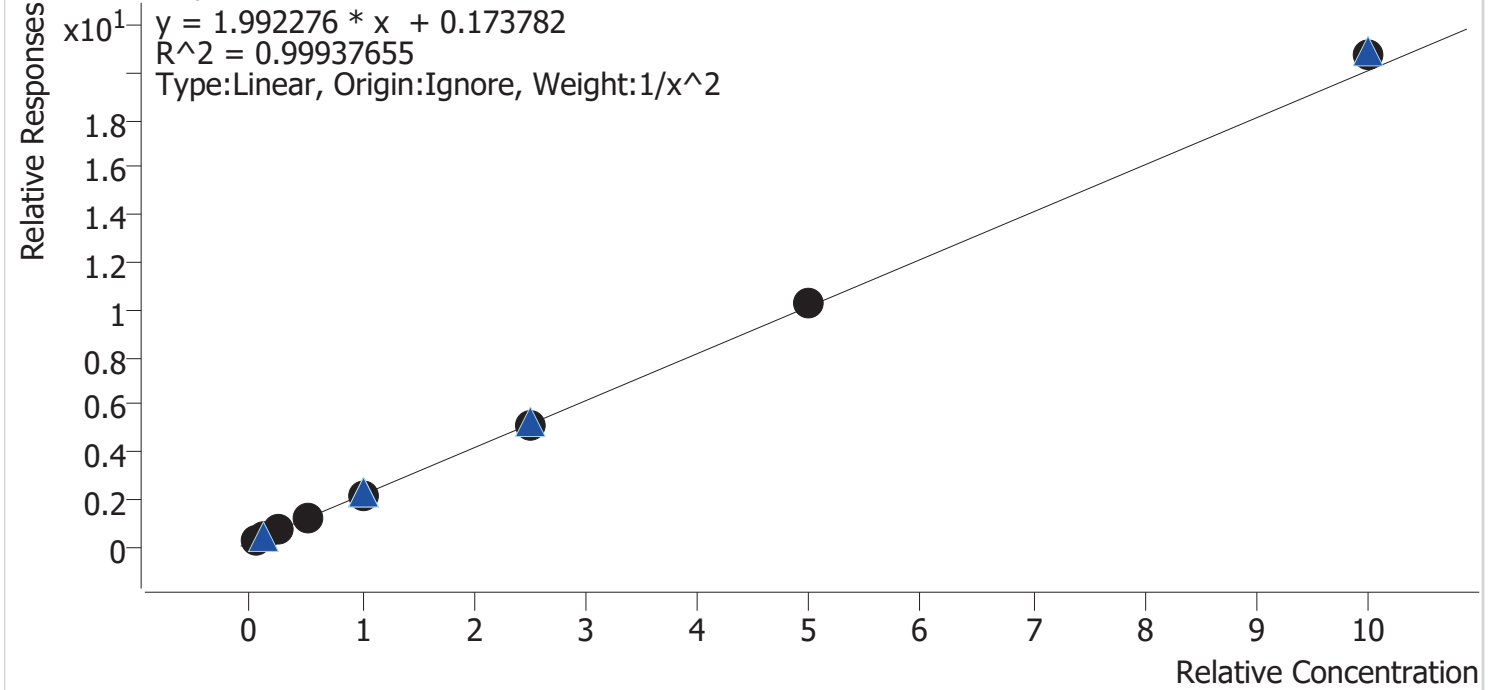


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.1	122.4
cal 2 mdq	2	✓	10.0	9.0	89.6
cal 3 mdq	3	✓	25.0	23.2	93.0
cal 4 mdq	4	✓	50.0	47.0	94.0
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	243.6	97.4
cal 7 mdq	7	✓	500.0	500.2	100.0
cal 8 mdq	8	✓	1000.0	1008.1	100.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



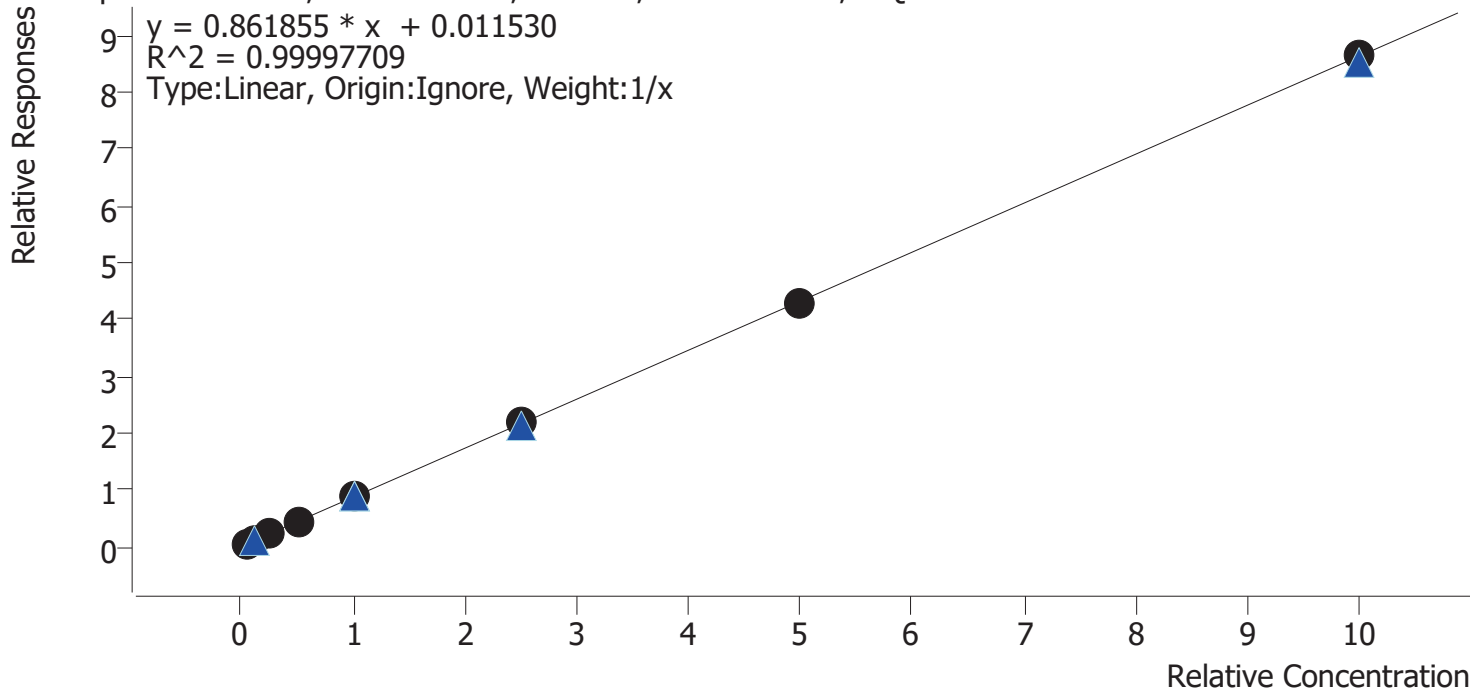
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.8
cal 2 mdq	2	✓	10.0	9.7	97.4
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	48.7	97.4
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	506.7	101.3
cal 8 mdq	8	✓	1000.0	1035.8	103.6

Compound Calibration Report



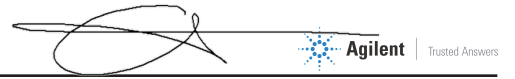
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



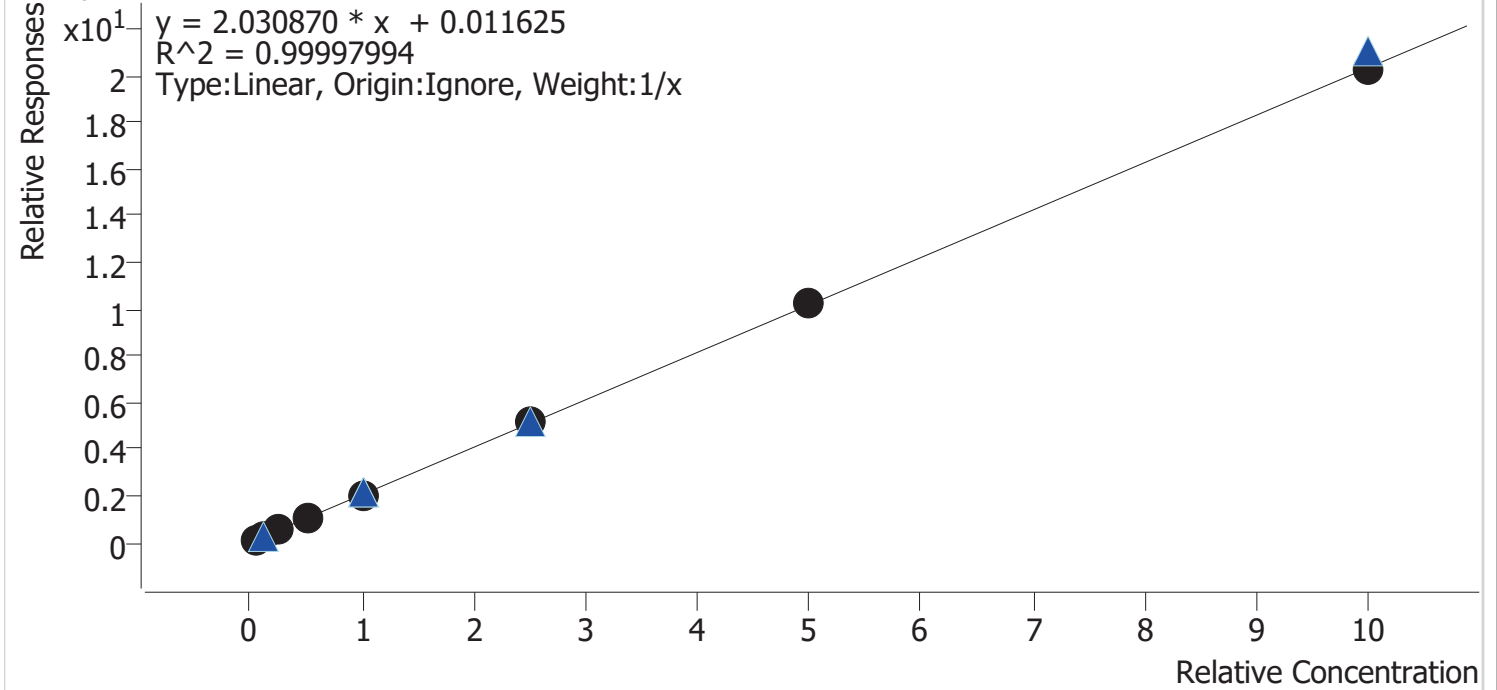
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	1001.3	100.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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

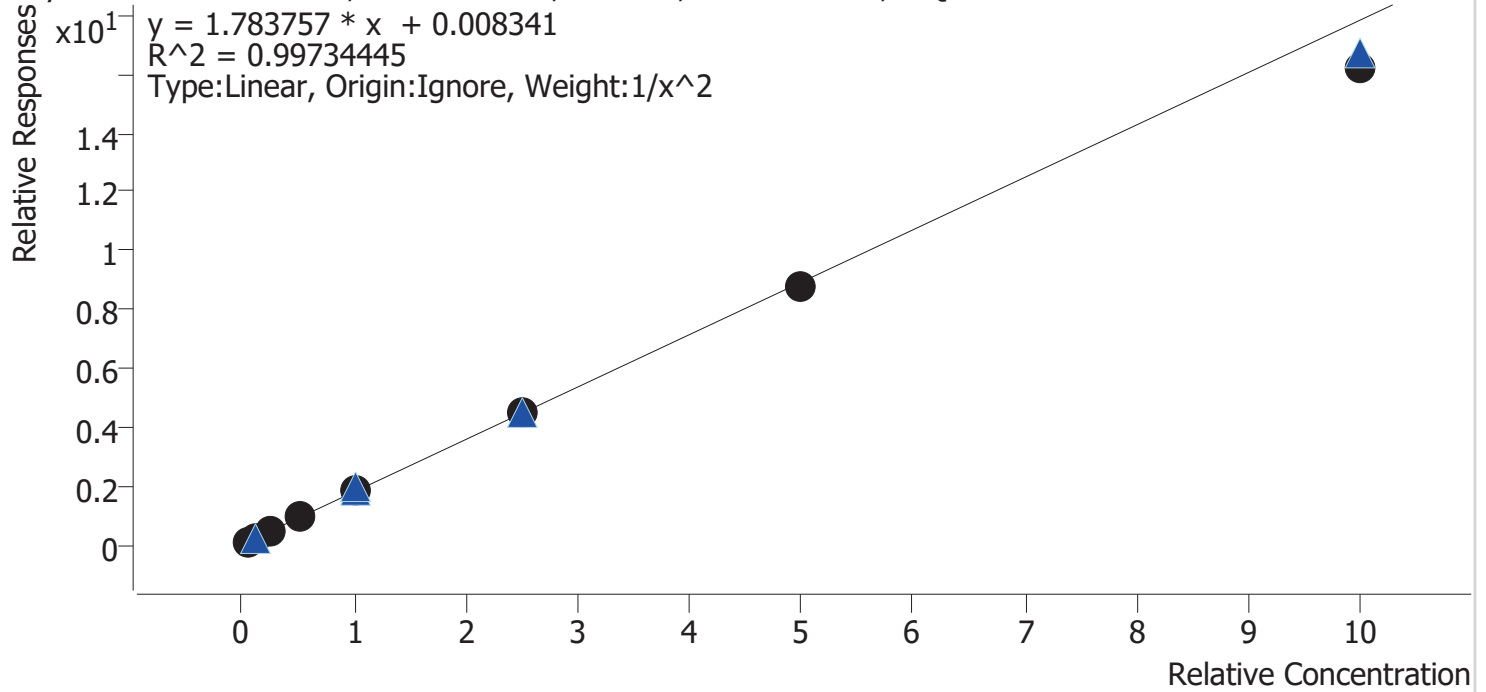


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	997.1	99.7

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodeine-D6

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



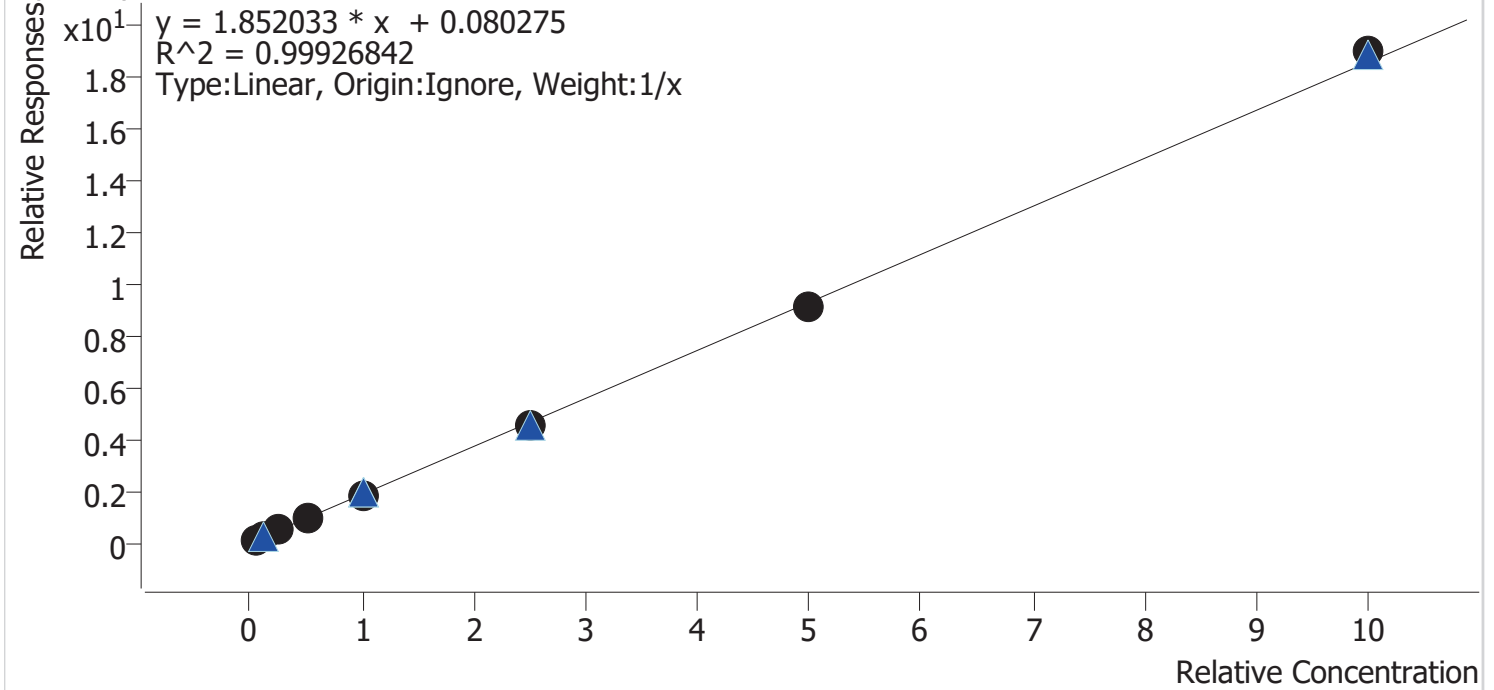
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	26.0	104.1
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	252.1	100.8
cal 7 mdq	7	✓	500.0	490.5	98.1
cal 8 mdq	8	✓	1000.0	910.7	91.1

Compound Calibration Report



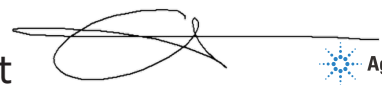
Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Diphenhydramine	Internal Standard	Diphenhydramine-D3

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



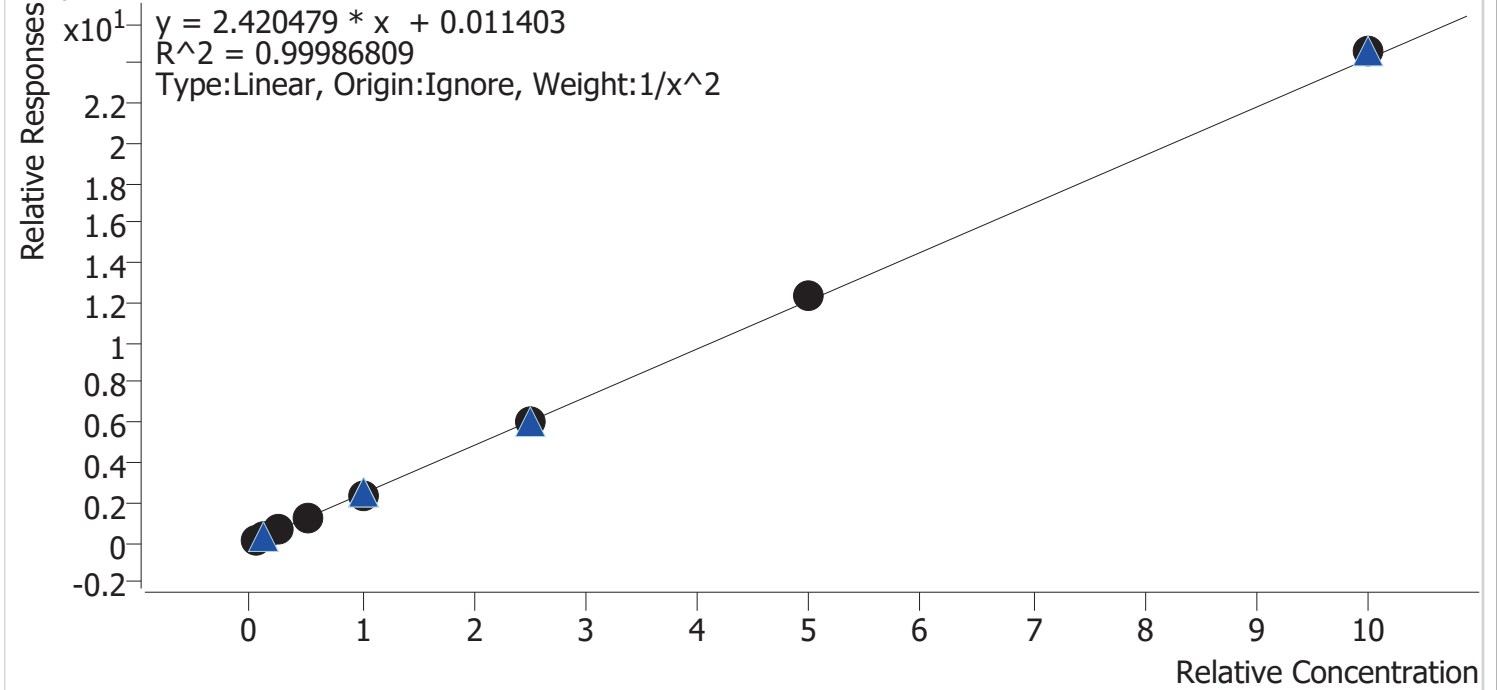
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.3
cal 2 mdq	2	✓	10.0	10.5	104.9
cal 3 mdq	3	✓	25.0	24.3	97.2
cal 4 mdq	4	✓	50.0	47.2	94.4
cal 5 mdq	5	✓	100.0	94.9	94.9
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	490.0	98.0
cal 8 mdq	8	✓	1000.0	1022.3	102.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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

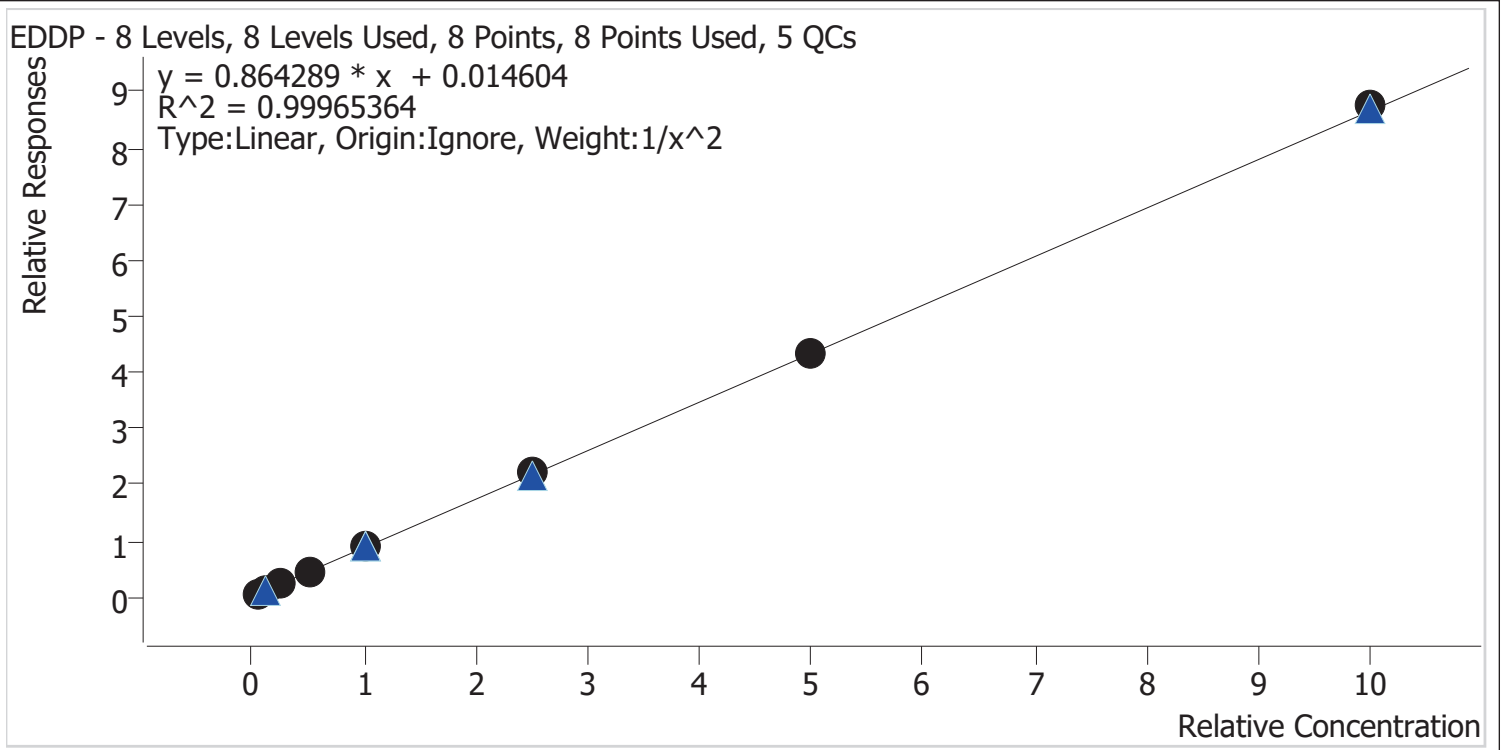


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	249.4	99.8
cal 7 mdq	7	✓	500.0	506.8	101.4
cal 8 mdq	8	✓	1000.0	1012.7	101.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

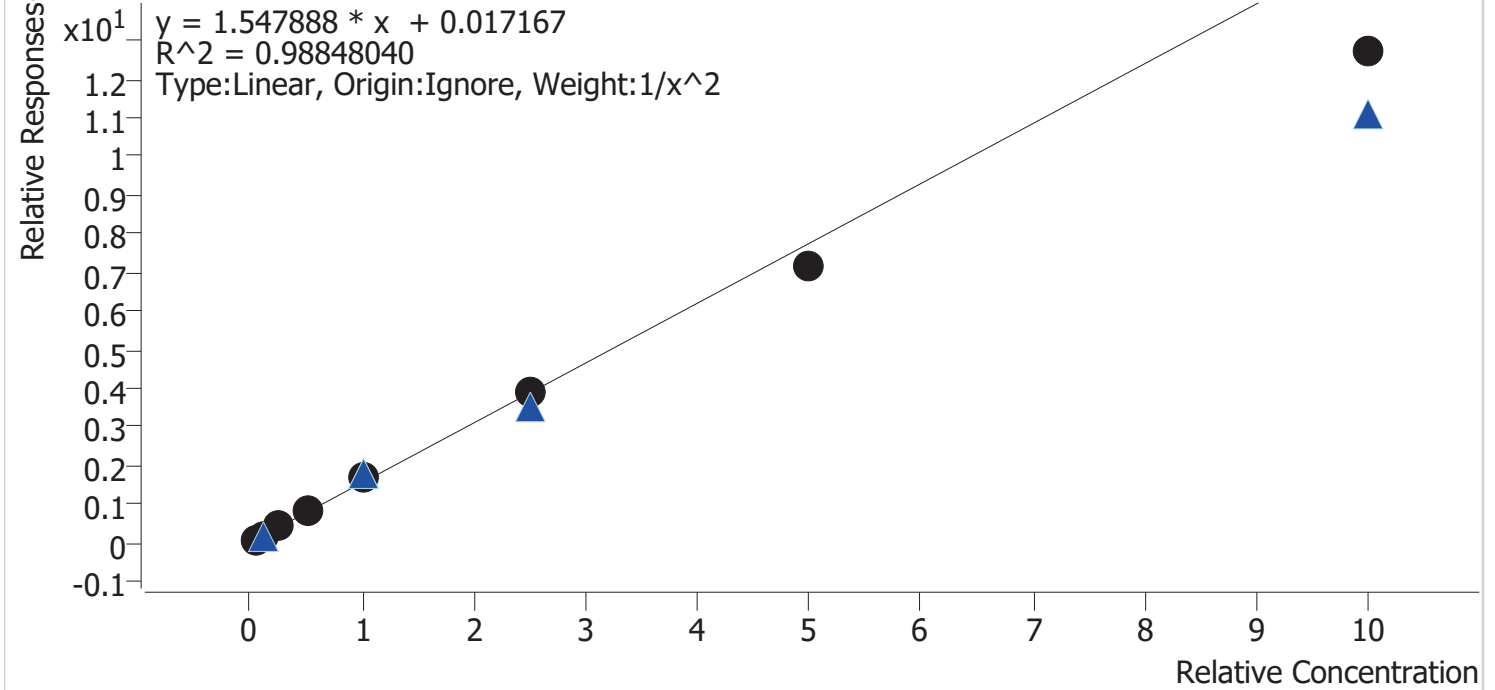


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.1
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	50.4	100.9
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	252.7	101.1
cal 7 mdq	7	✓	500.0	501.3	100.3
cal 8 mdq	8	✓	1000.0	1011.3	101.1

Compound Calibration Report

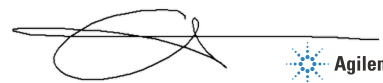
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



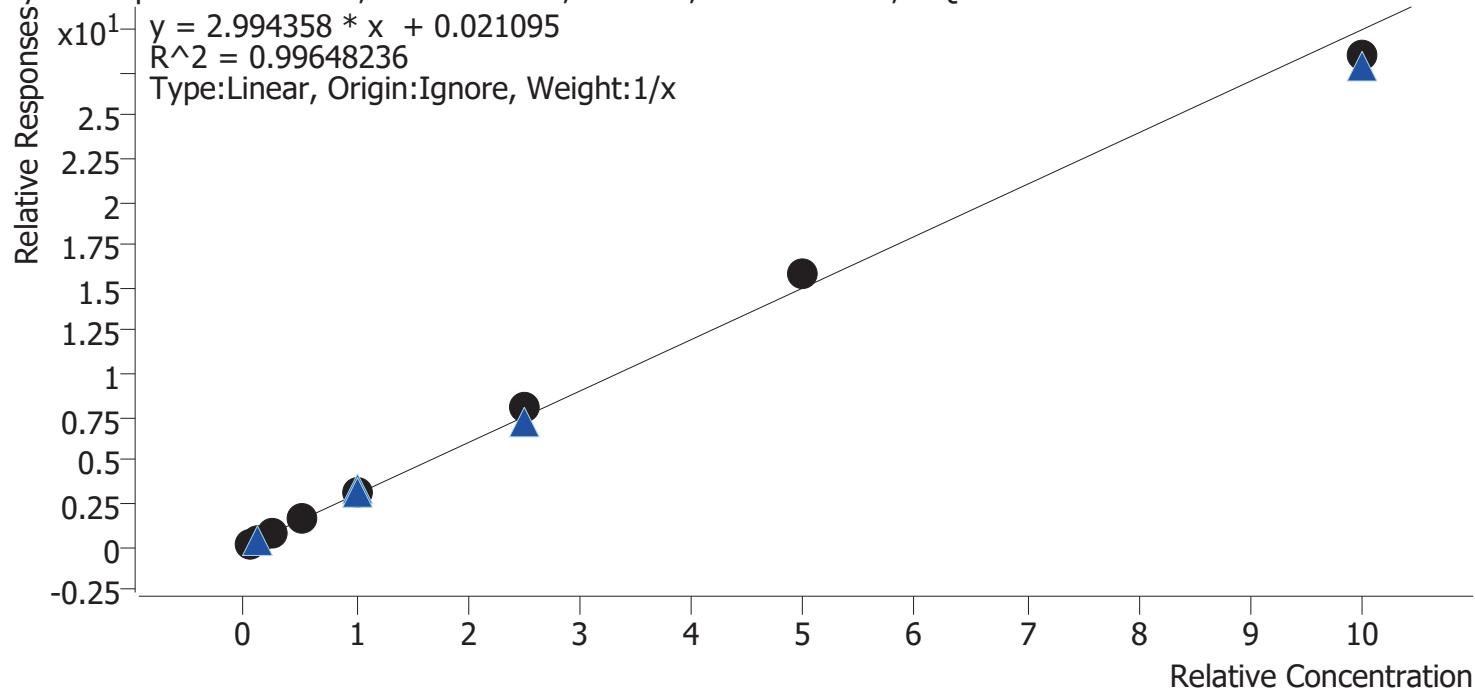
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.6
cal 2 mdq	2	✓	10.0	10.5	105.4
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	54.3	108.6
cal 5 mdq	5	✓	100.0	106.7	106.7
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	464.9	93.0
cal 8 mdq	8	✓	1000.0	820.3	82.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



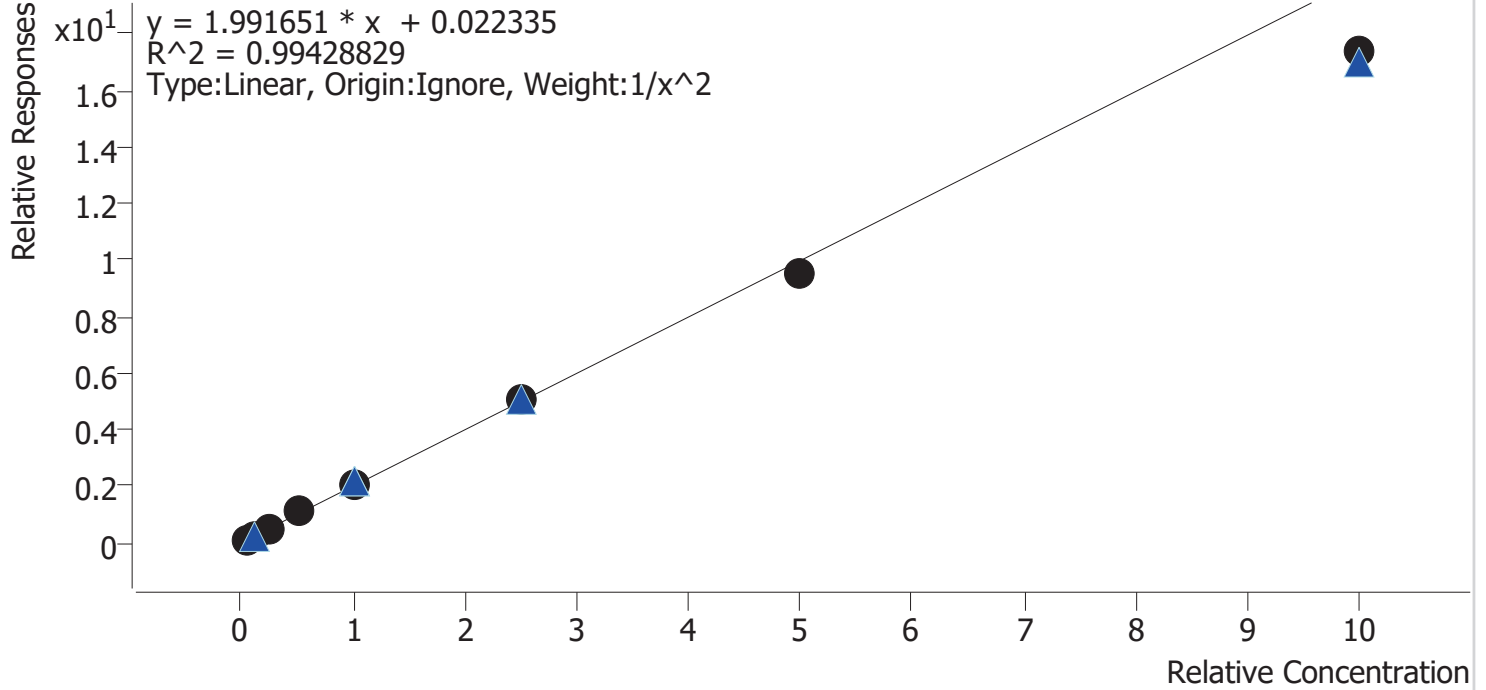
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	90.9
cal 2 mdq	2	✓	10.0	10.2	101.8
cal 3 mdq	3	✓	25.0	22.8	91.1
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	105.7	105.7
cal 6 mdq	6	✓	250.0	272.3	108.9
cal 7 mdq	7	✓	500.0	523.9	104.8
cal 8 mdq	8	✓	1000.0	949.7	95.0

Compound Calibration Report



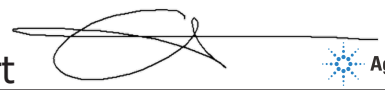
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



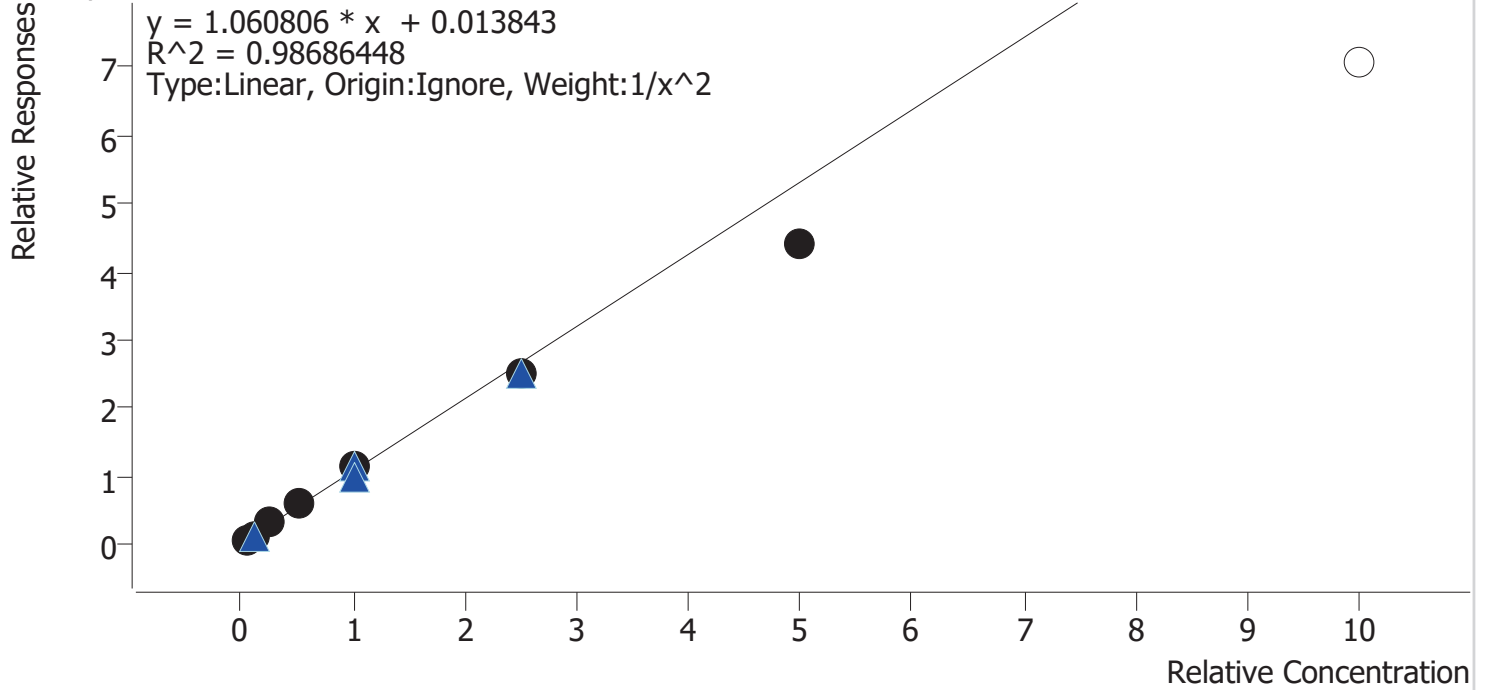
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.9
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.5	107.0
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	476.7	95.3
cal 8 mdq	8	✓	1000.0	870.9	87.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



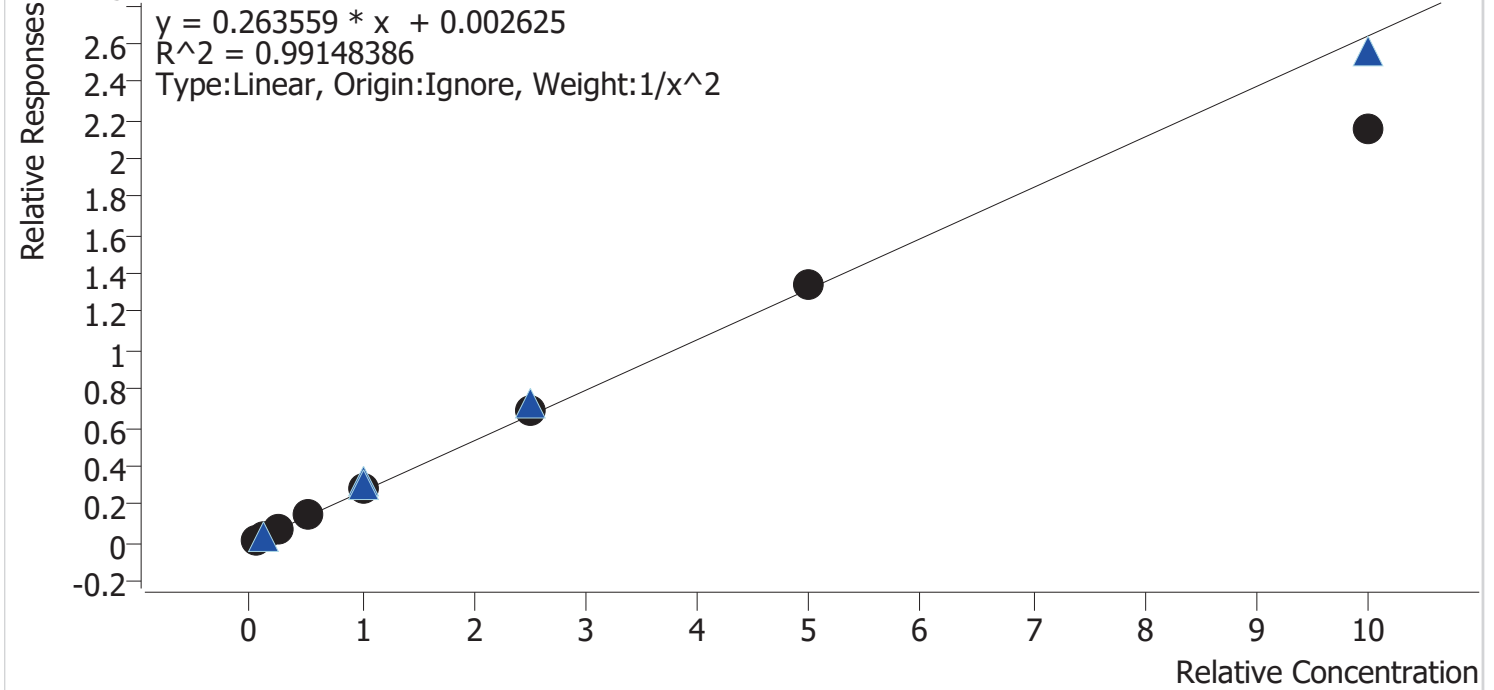
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.4	103.9
cal 3 mdq	3	✓	25.0	27.4	109.6
cal 4 mdq	4	✓	50.0	54.4	108.7
cal 5 mdq	5	✓	100.0	105.8	105.8
cal 6 mdq	6	✓	250.0	235.1	94.0
cal 7 mdq	7	✓	500.0	413.8	82.8
cal 8 mdq	8	×	1000.0	667.2	66.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Amphetamine-D11

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

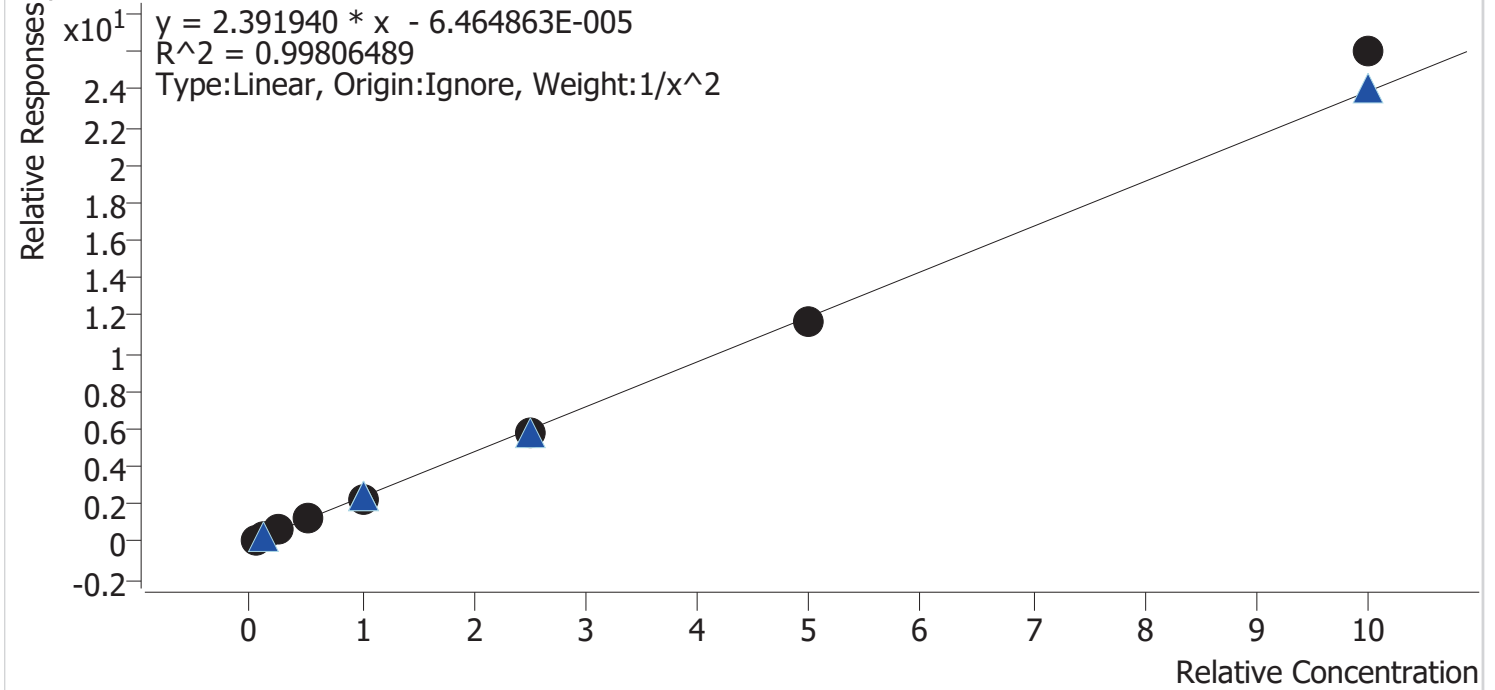


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.6
cal 2 mdq	2	✓	10.0	10.6	106.1
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	257.2	102.9
cal 7 mdq	7	✓	500.0	512.0	102.4
cal 8 mdq	8	✓	1000.0	816.3	81.6

Compound Calibration Report

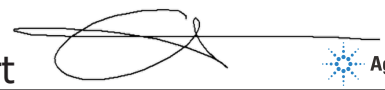
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



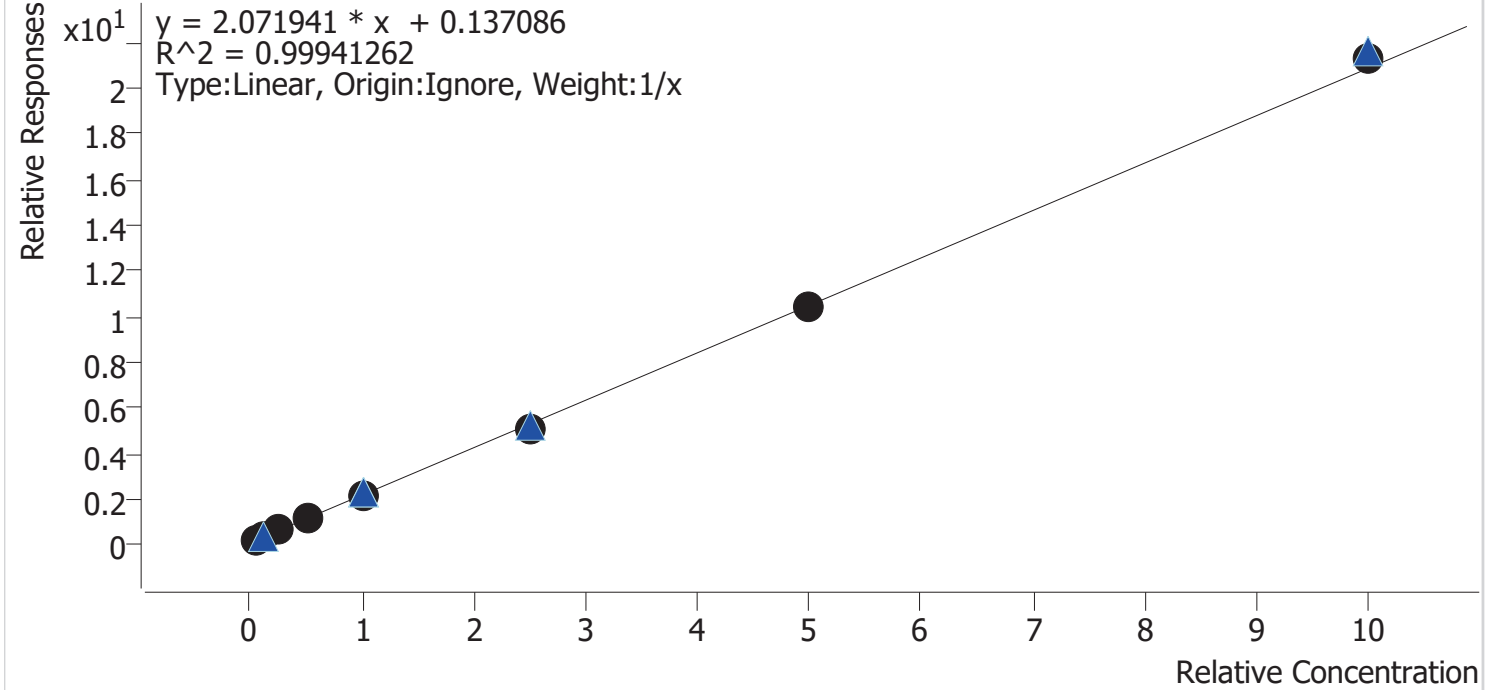
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	49.7	99.4
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	241.5	96.6
cal 7 mdq	7	✓	500.0	492.7	98.5
cal 8 mdq	8	✓	1000.0	1088.4	108.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



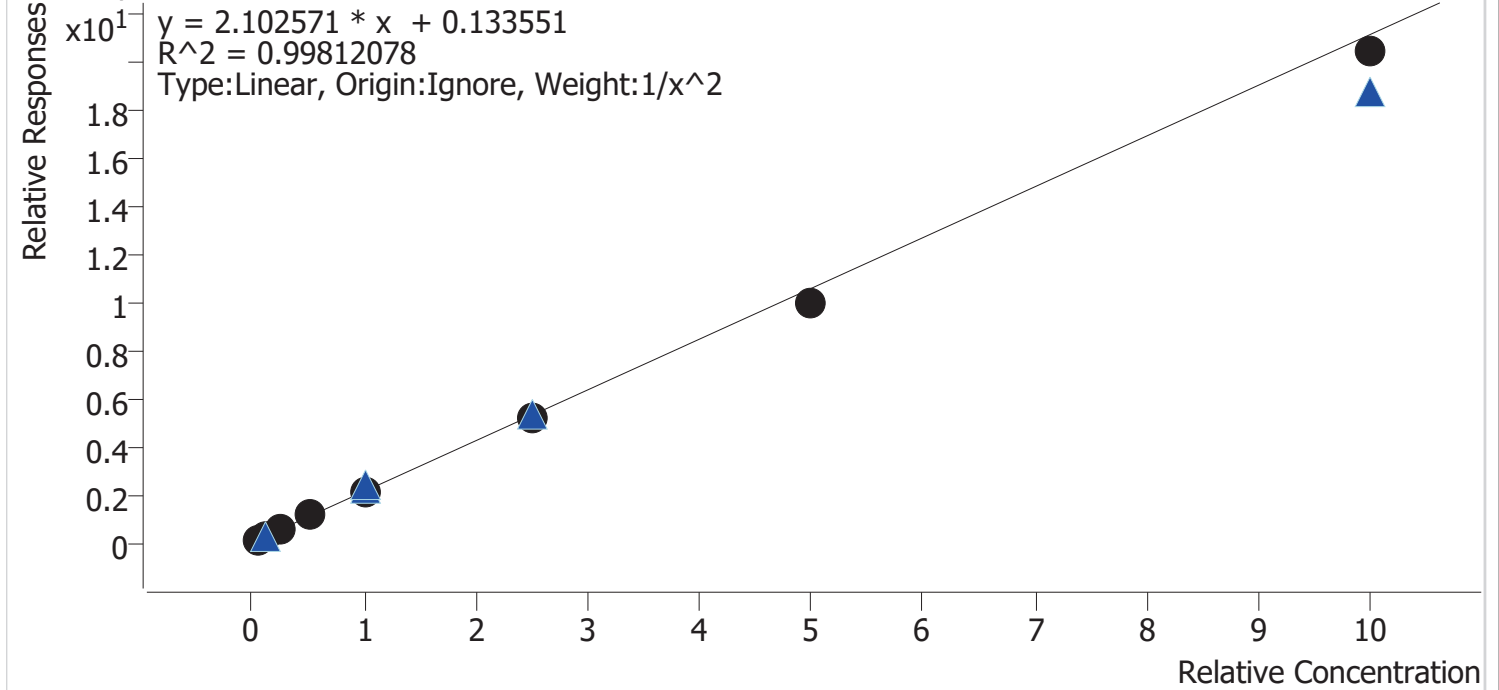
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	114.4
cal 2 mdq	2	✓	10.0	10.0	99.5
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	47.7	95.3
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	241.8	96.7
cal 7 mdq	7	✓	500.0	495.3	99.1
cal 8 mdq	8	✓	1000.0	1019.0	101.9

Compound Calibration Report



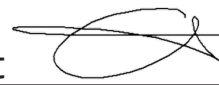
Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Methamphetamine	Internal Standard	Methamphetamine-D11

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



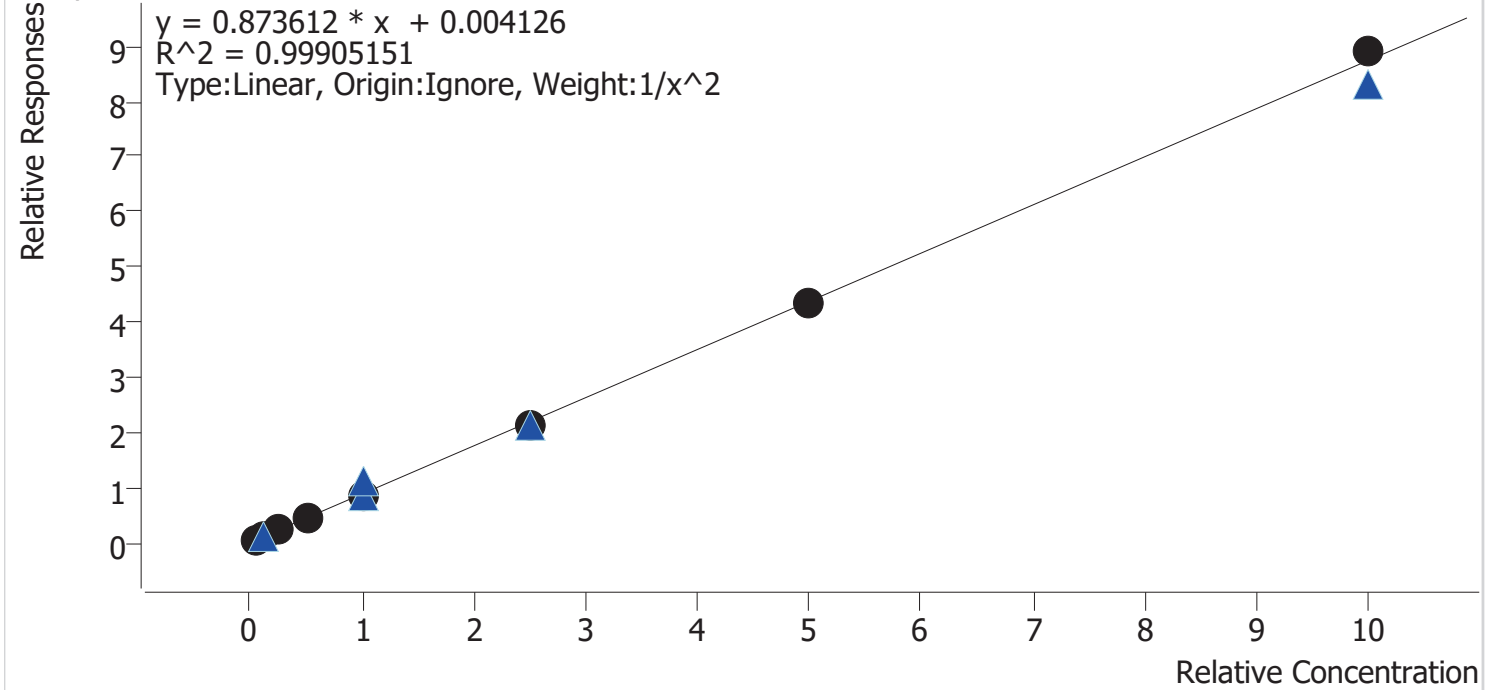
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	52.4	104.7
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	471.1	94.2
cal 8 mdq	8	✓	1000.0	966.3	96.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Meprobamate-D7

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



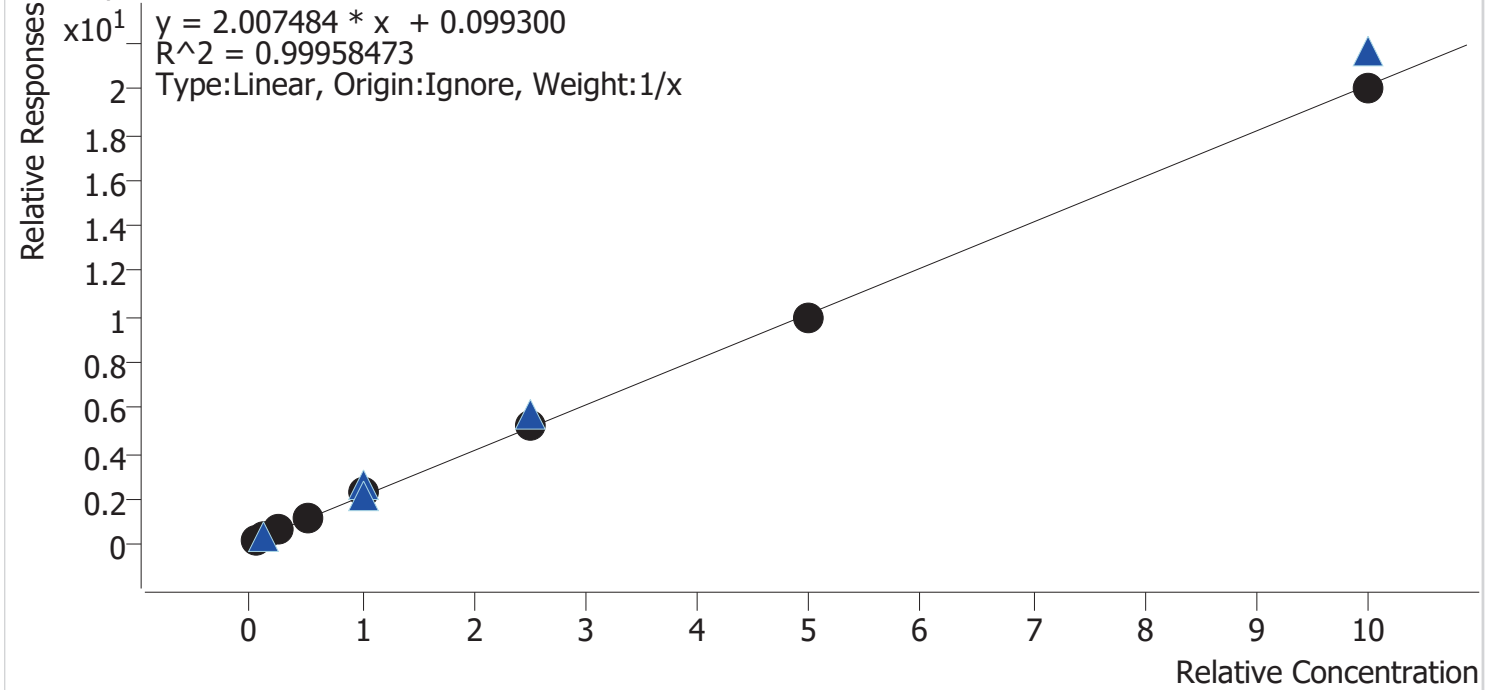
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.3	103.2
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	51.9	103.7
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	240.5	96.2
cal 7 mdq	7	✓	500.0	498.9	99.8
cal 8 mdq	8	✓	1000.0	1018.5	101.8

Compound Calibration Report



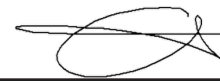
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Methadone-D9

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



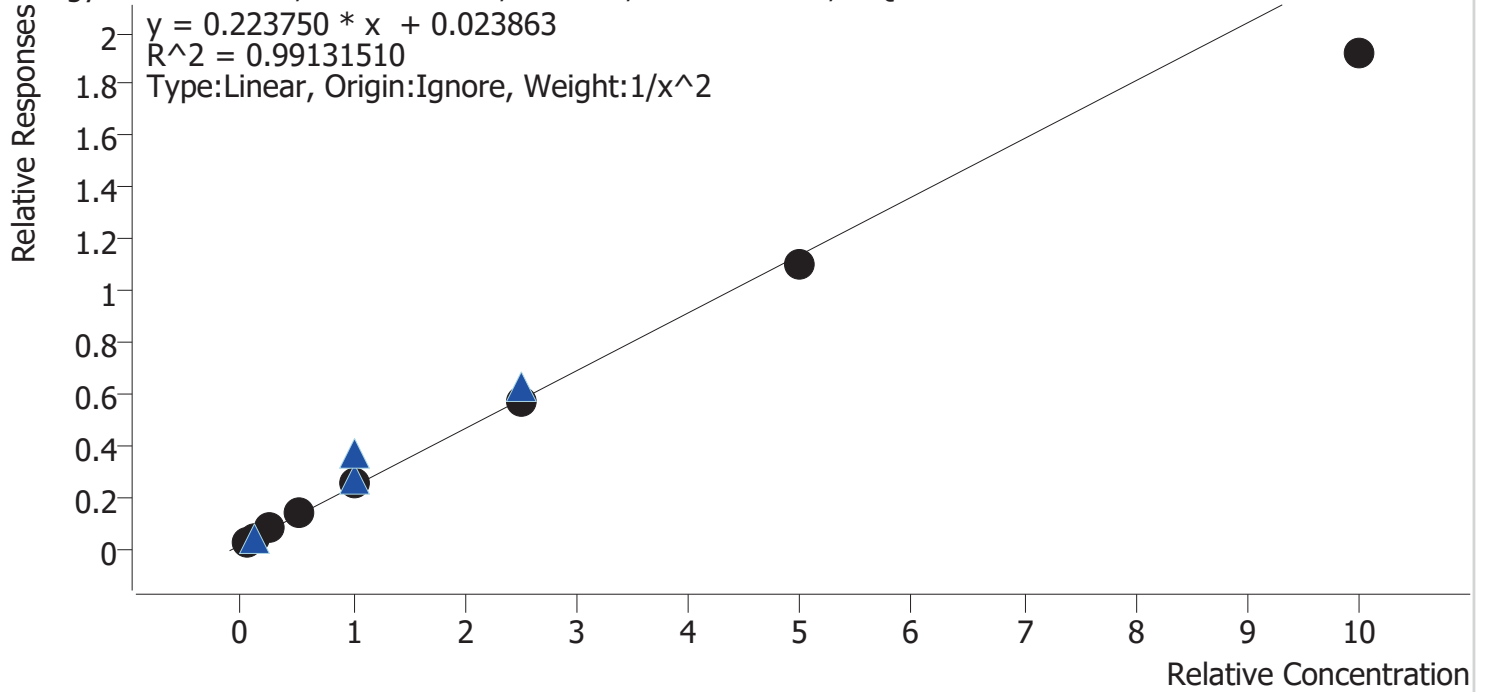
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	9.5	94.5
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	48.9	97.7
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	256.2	102.5
cal 7 mdq	7	✓	500.0	492.4	98.5
cal 8 mdq	8	✓	1000.0	996.4	99.6

Compound Calibration Report



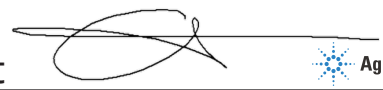
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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

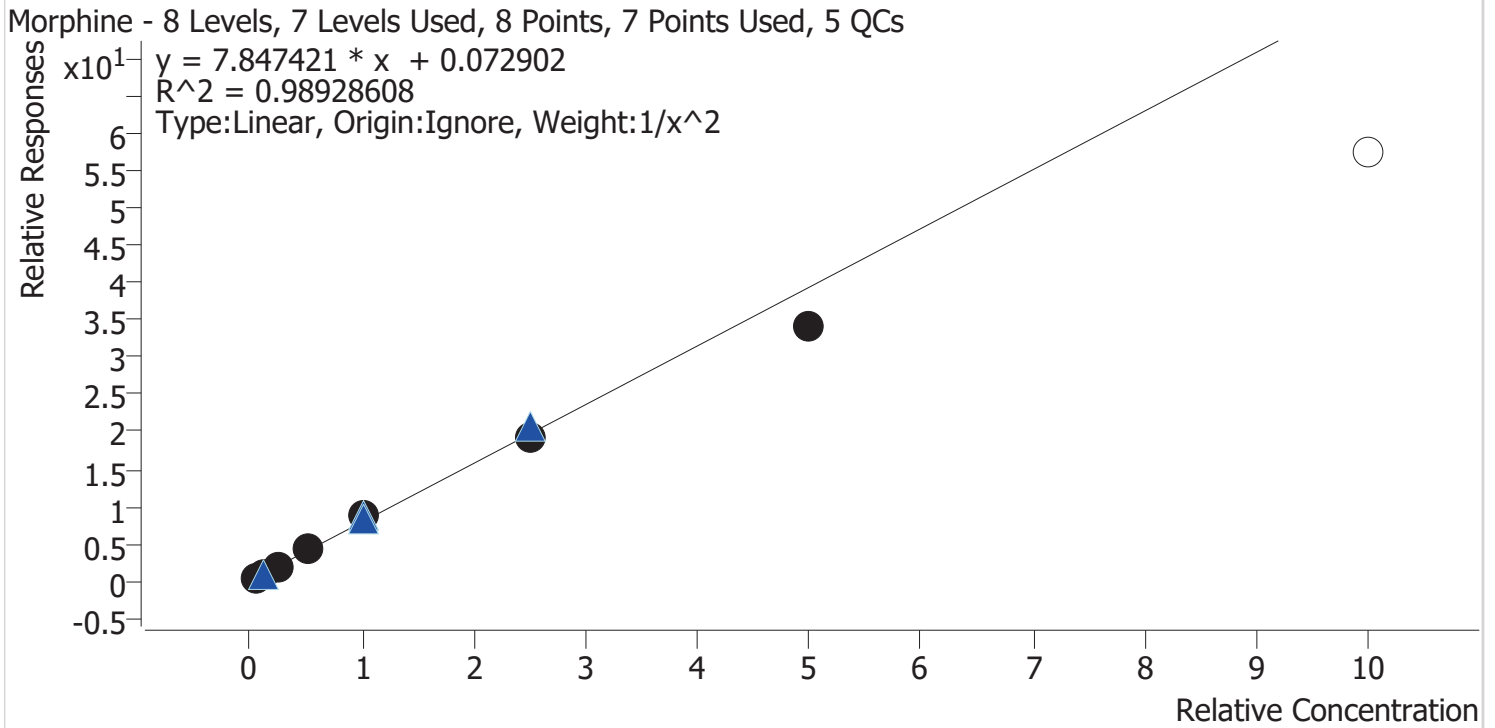


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.1
cal 2 mdq	2	✓	10.0	9.7	96.8
cal 3 mdq	3	✓	25.0	26.7	106.8
cal 4 mdq	4	✓	50.0	54.2	108.4
cal 5 mdq	5	✓	100.0	109.2	109.2
cal 6 mdq	6	✓	250.0	246.5	98.6
cal 7 mdq	7	✓	500.0	481.9	96.4
cal 8 mdq	8	✓	1000.0	847.1	84.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

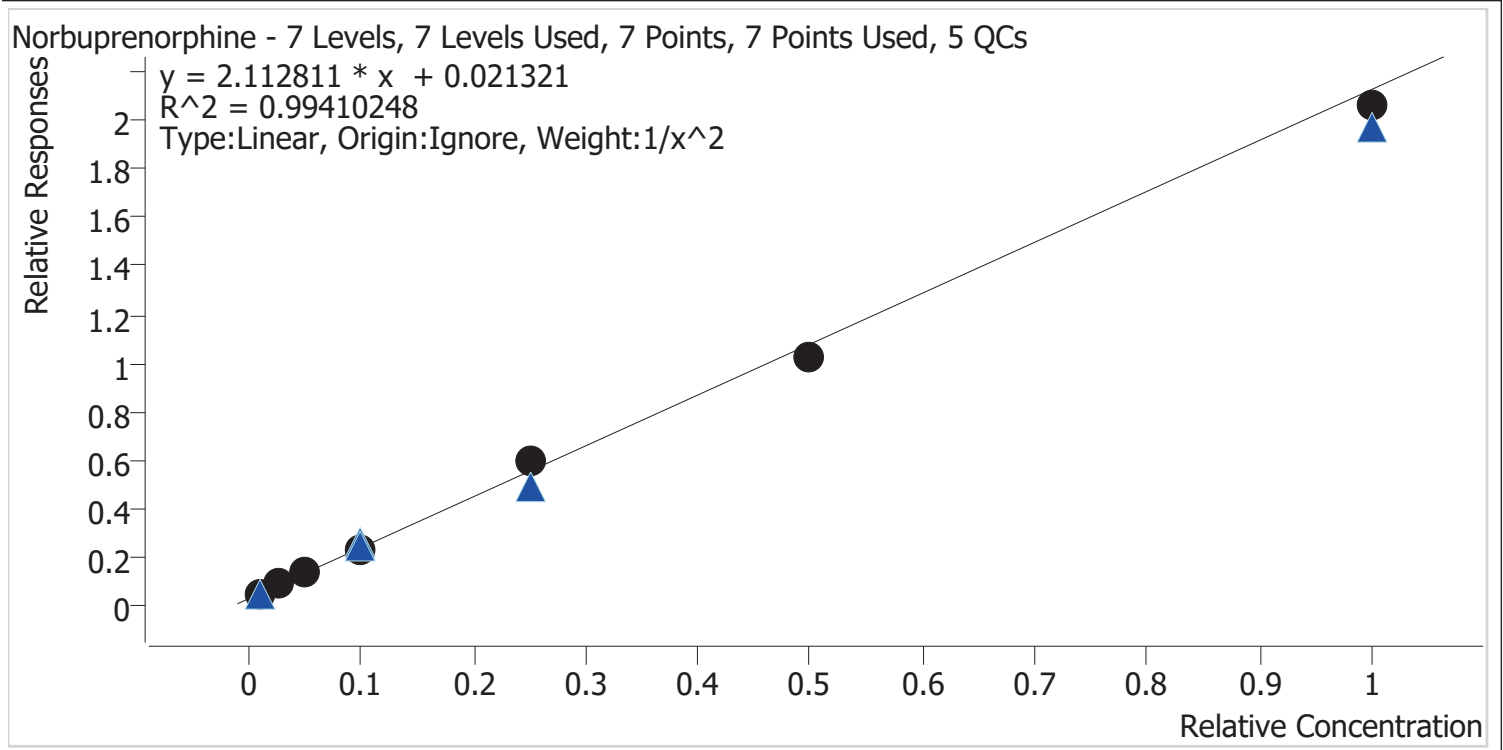


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.6	95.5
cal 3 mdq	3	✓	25.0	24.2	96.6
cal 4 mdq	4	✓	50.0	56.1	112.3
cal 5 mdq	5	✓	100.0	110.1	110.1
cal 6 mdq	6	✓	250.0	243.0	97.2
cal 7 mdq	7	✓	500.0	434.7	86.9
cal 8 mdq	8	×	1000.0	730.4	73.0

Compound Calibration Report



Batch results	D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3

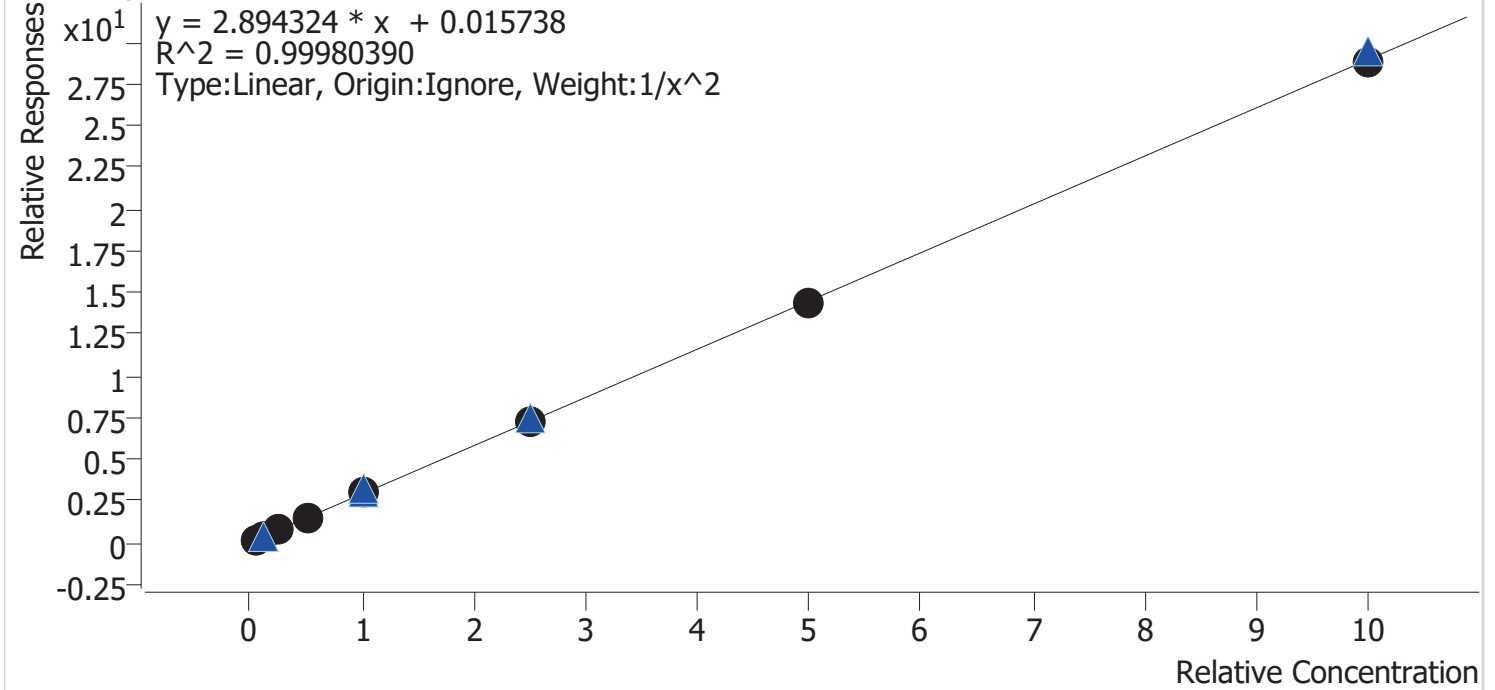


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2 mdq	2	✓	1.0	1.0	96.0
cal 3 mdq	3	✓	2.5	2.8	110.6
cal 4 mdq	4	✓	5.0	5.1	101.3
cal 5 mdq	5	✓	10.0	9.4	94.0
cal 6 mdq	6	✓	25.0	26.8	107.2
cal 7 mdq	7	✓	50.0	47.1	94.2
cal 8 mdq	8	✓	100.0	96.8	96.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

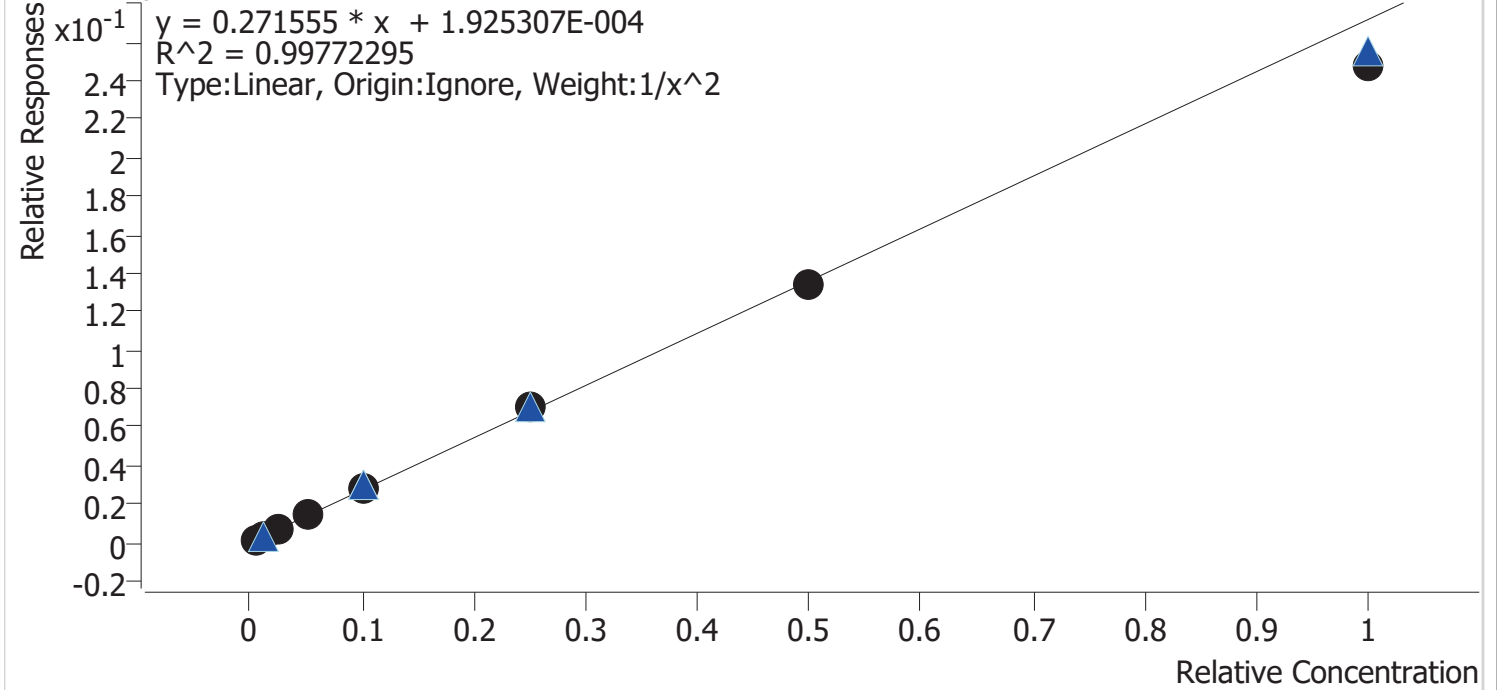


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	50.6	101.2
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	250.4	100.2
cal 7 mdq	7	✓	500.0	493.1	98.6
cal 8 mdq	8	✓	1000.0	995.8	99.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



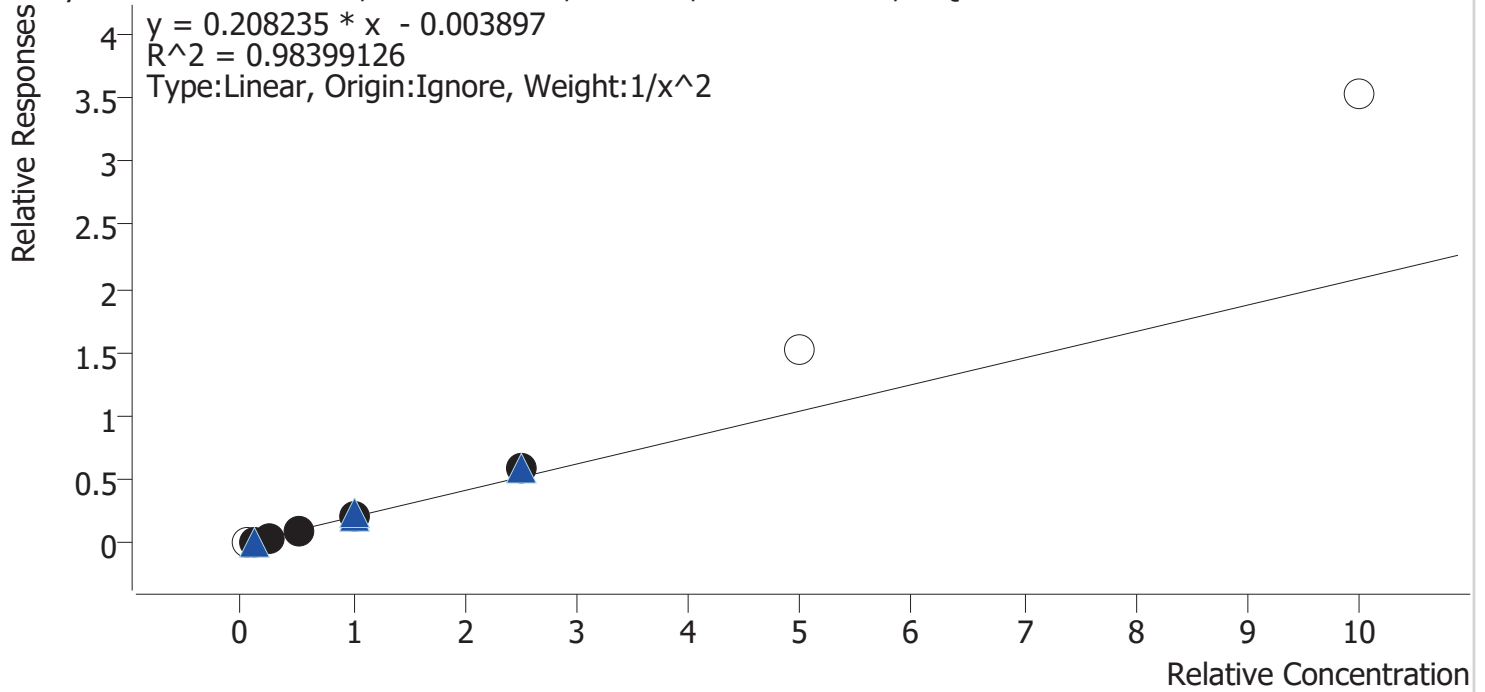
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.0
cal 2 mdq	2	✓	1.0	1.0	100.6
cal 3 mdq	3	✓	2.5	2.5	100.8
cal 4 mdq	4	✓	5.0	5.2	104.6
cal 5 mdq	5	✓	10.0	10.2	101.7
cal 6 mdq	6	✓	25.0	25.9	103.6
cal 7 mdq	7	✓	50.0	49.3	98.6
cal 8 mdq	8	✓	100.0	91.1	91.1

Compound Calibration Report



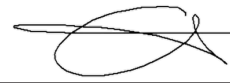
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



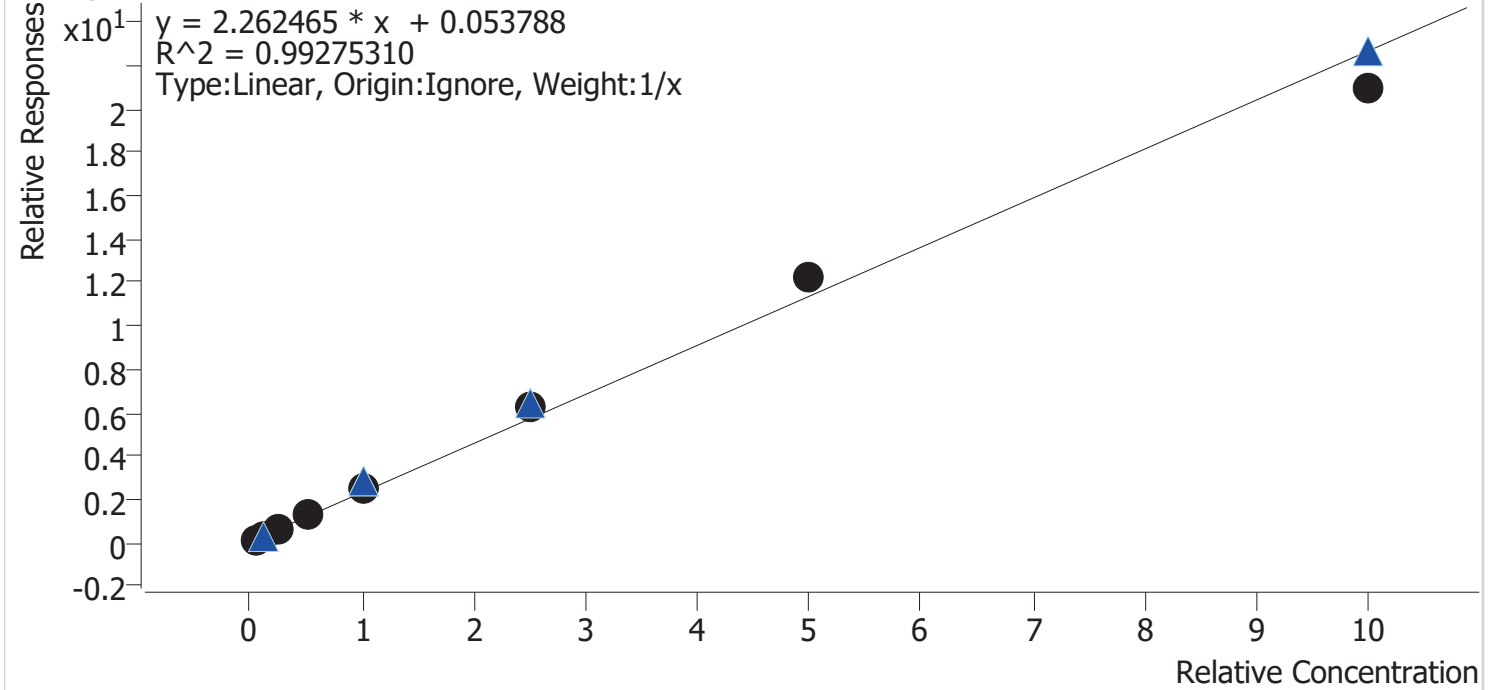
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	5.0	6.5	130.0
cal 2 mdq	2	✓	10.0	10.4	104.1
cal 3 mdq	3	✓	25.0	23.7	94.6
cal 4 mdq	4	✓	50.0	43.9	87.7
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	286.2	114.5
cal 7 mdq	7	×	500.0	733.8	146.8
cal 8 mdq	8	×	1000.0	1692.1	169.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

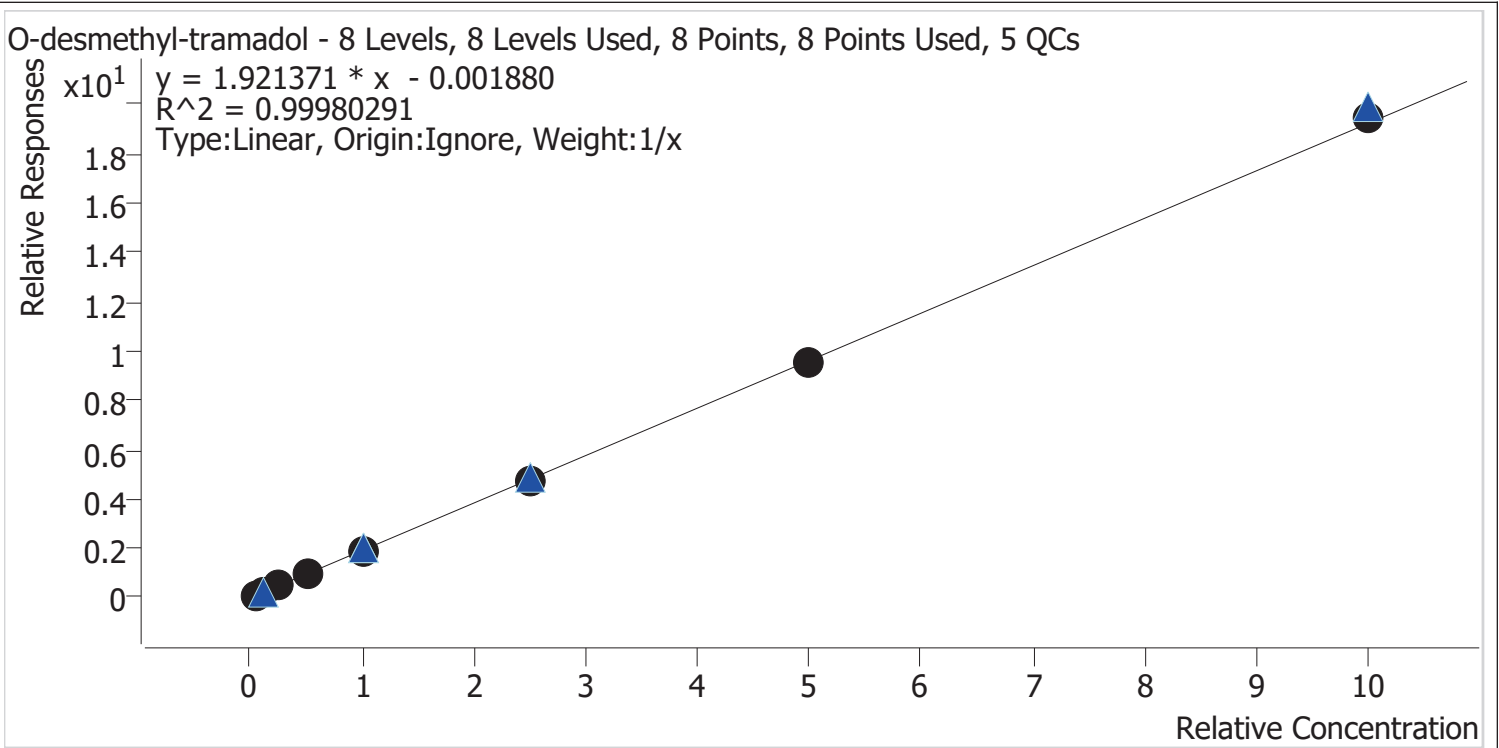
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.6	71.9
cal 2 mdq	2	✓	10.0	9.2	91.8
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	54.9	109.9
cal 5 mdq	5	✓	100.0	111.2	111.2
cal 6 mdq	6	✓	250.0	273.6	109.5
cal 7 mdq	7	✓	500.0	536.5	107.3
cal 8 mdq	8	✓	1000.0	924.4	92.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

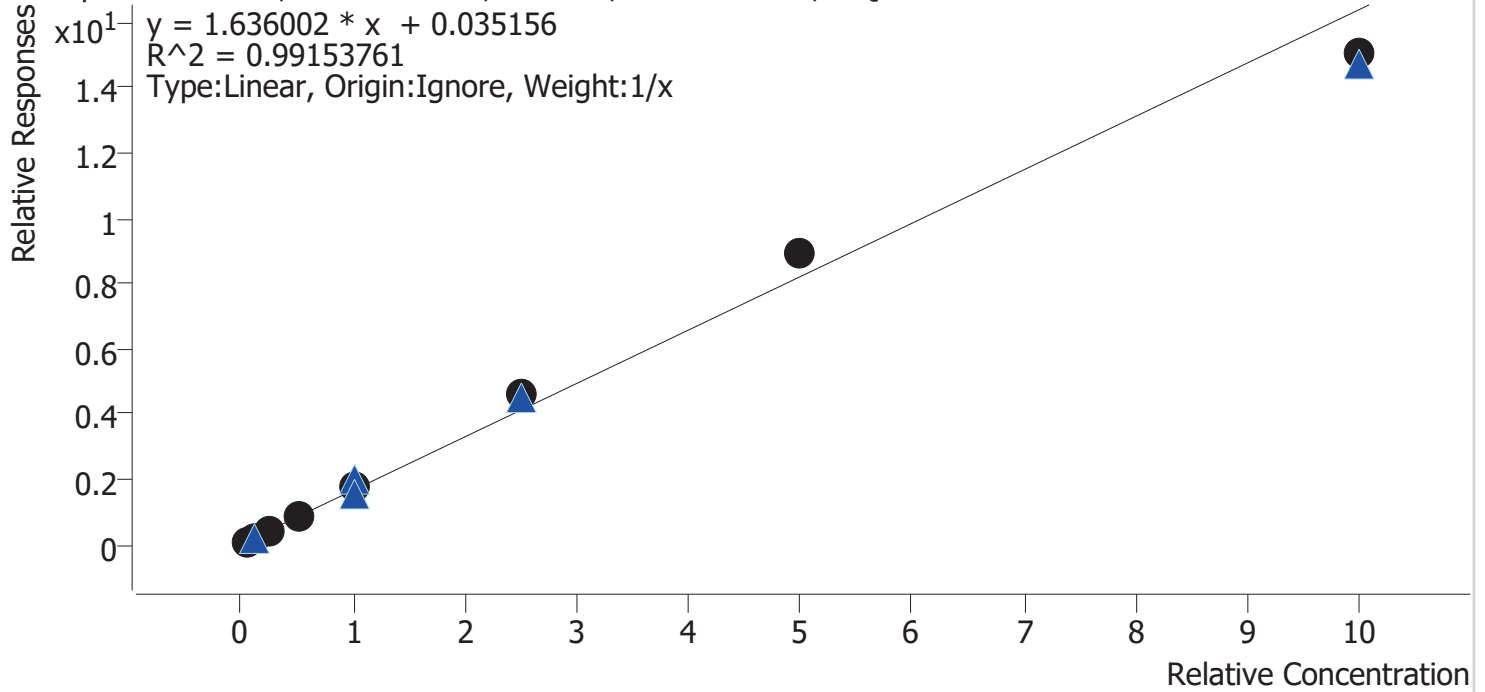


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.1
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	49.1	98.3
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	244.9	98.0
cal 7 mdq	7	✓	500.0	496.7	99.3
cal 8 mdq	8	✓	1000.0	1011.5	101.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



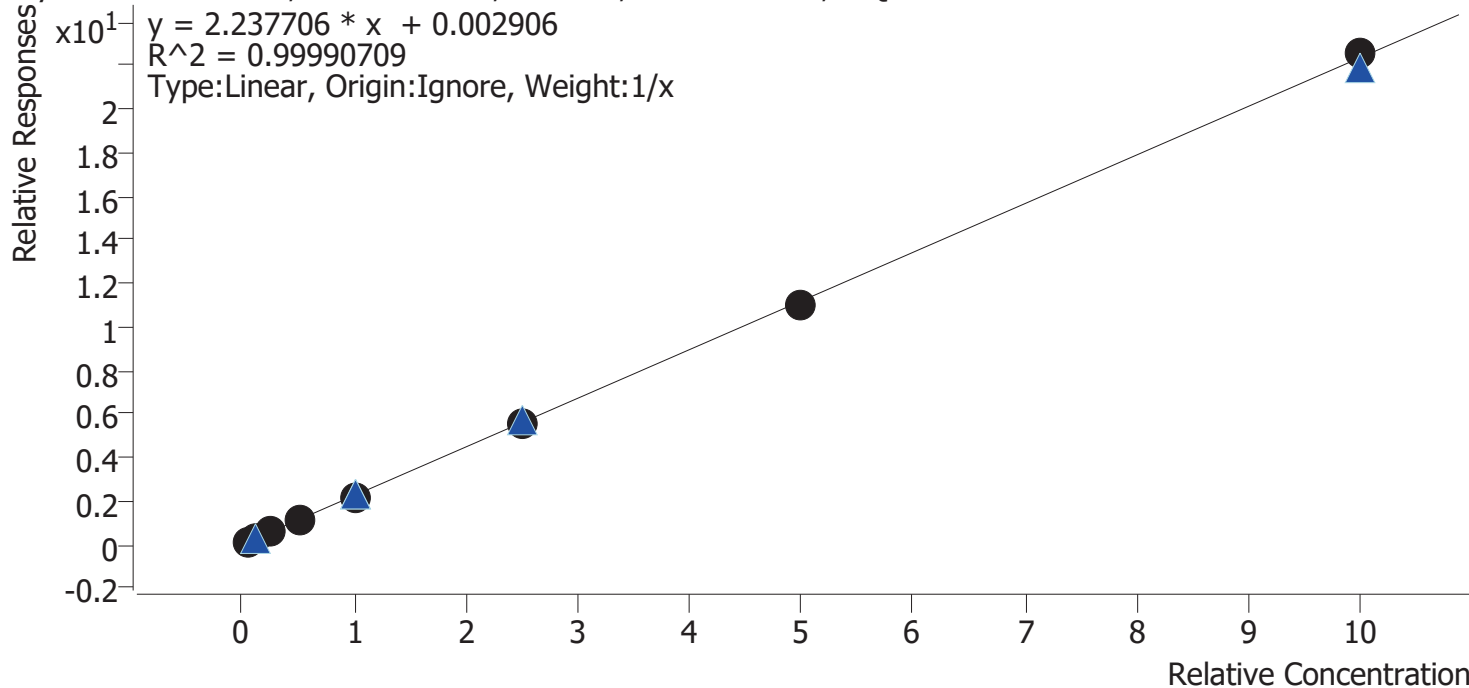
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.6	72.2
cal 2 mdq	2	✓	10.0	9.4	94.1
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.7	107.3
cal 5 mdq	5	✓	100.0	109.9	109.9
cal 6 mdq	6	✓	250.0	278.1	111.2
cal 7 mdq	7	✓	500.0	541.4	108.3
cal 8 mdq	8	✓	1000.0	917.6	91.8

Compound Calibration Report



Batch results	D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin		
Last Cal. Update	6/12/2020 9:57 AM		
Analyst Name	ISP\datastor		
Analyte	Oxycodone	Internal Standard	Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.8
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	49.5	99.1
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	248.8	99.5
cal 7 mdq	7	✓	500.0	494.5	98.9
cal 8 mdq	8	✓	1000.0	1008.4	100.8

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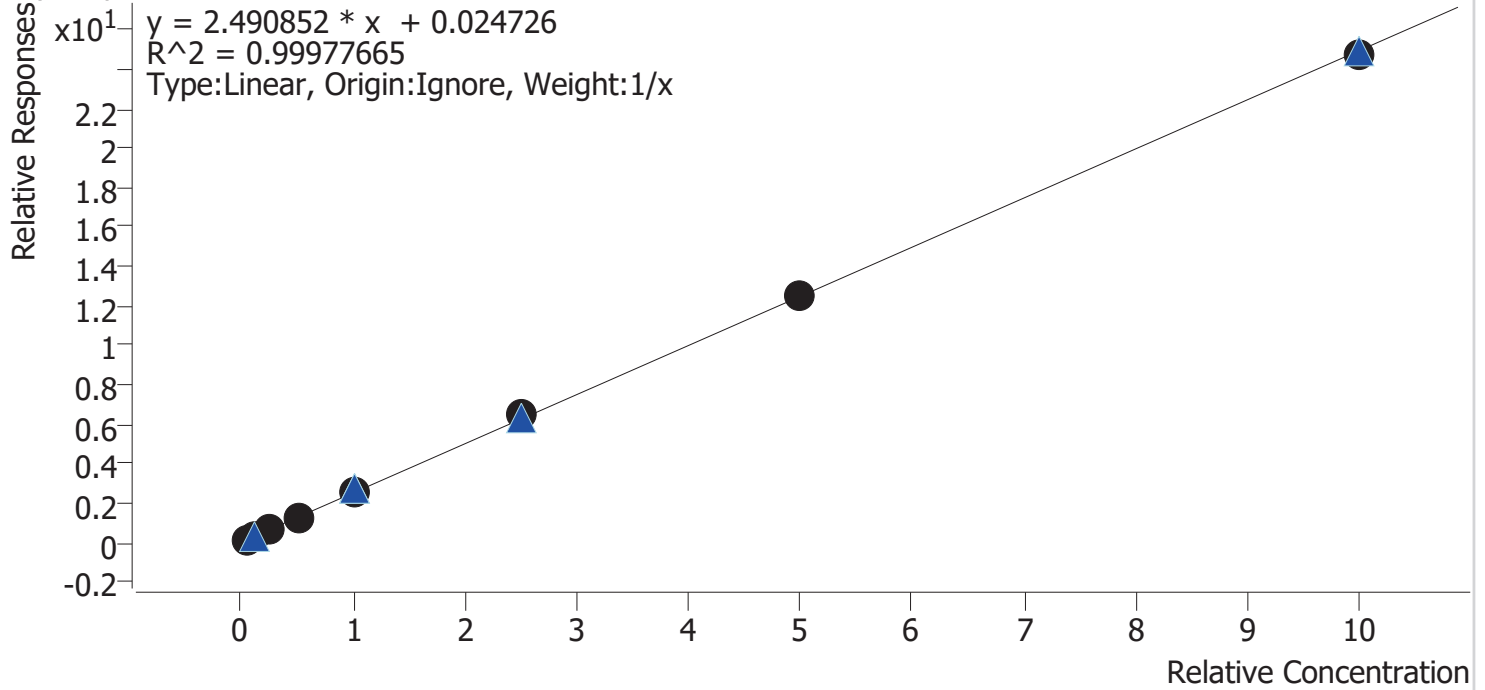
Generated at 9:59 AM on 6/12/2020

Compound Calibration Report



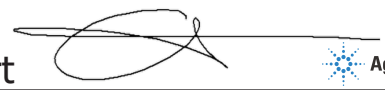
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



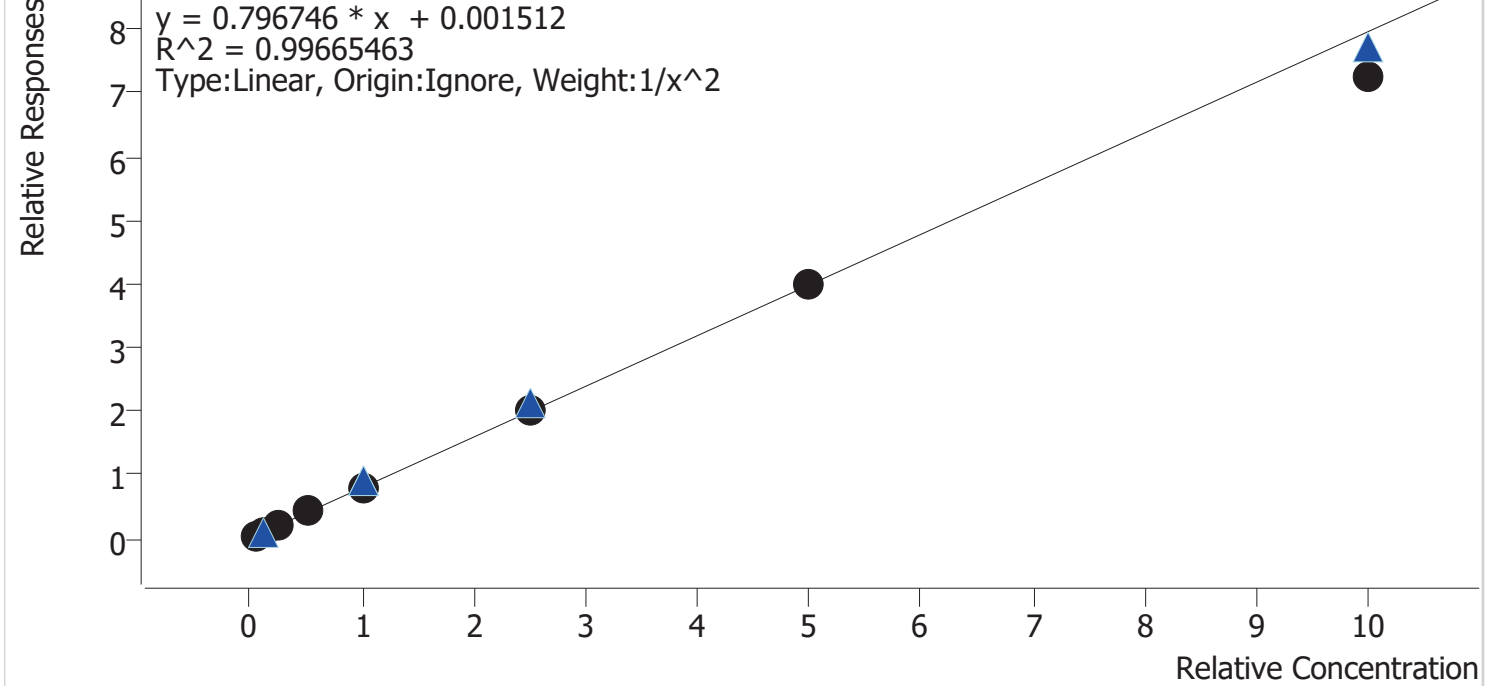
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.8
cal 2 mdq	2	✓	10.0	9.8	97.5
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	256.3	102.5
cal 7 mdq	7	✓	500.0	498.8	99.8
cal 8 mdq	8	✓	1000.0	990.9	99.1

Compound Calibration Report



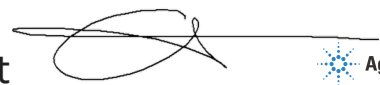
Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



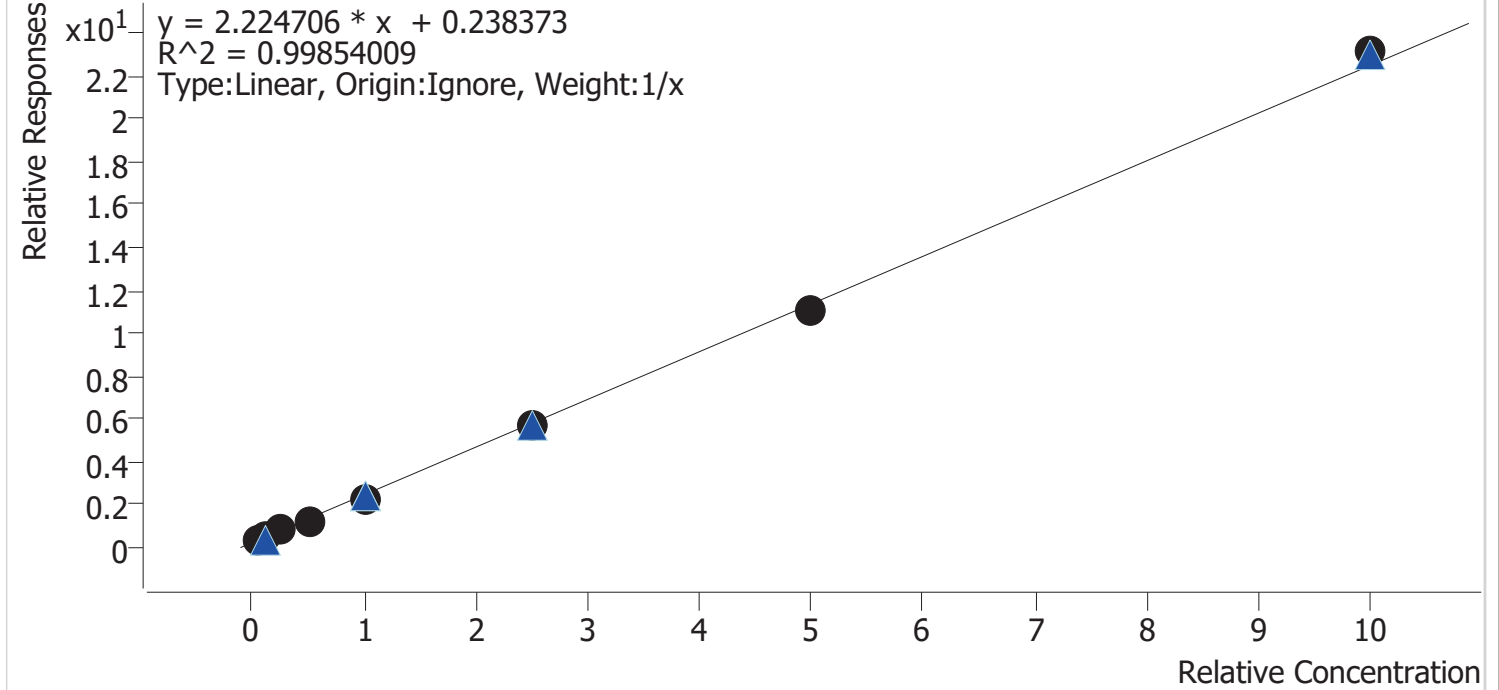
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.6
cal 2 mdq	2	✓	10.0	9.4	93.8
cal 3 mdq	3	✓	25.0	26.0	104.2
cal 4 mdq	4	✓	50.0	53.1	106.1
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	500.5	100.1
cal 8 mdq	8	✓	1000.0	912.5	91.2

Compound Calibration Report



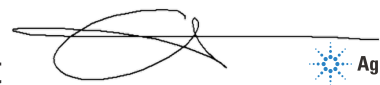
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



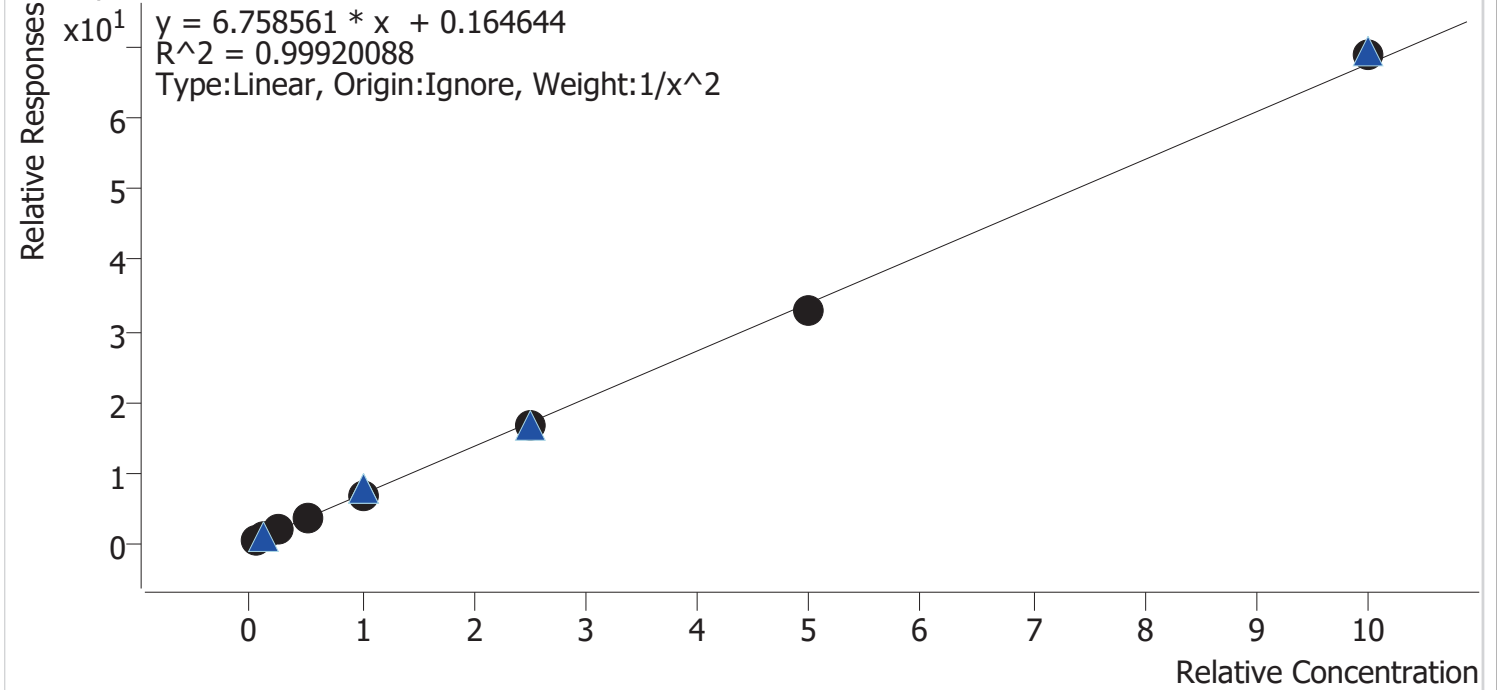
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	6.4	128.9
cal 2 mdq	2	✓	10.0	9.1	90.7
cal 3 mdq	3	✓	25.0	24.2	97.0
cal 4 mdq	4	✓	50.0	45.9	91.7
cal 5 mdq	5	✓	100.0	93.4	93.4
cal 6 mdq	6	✓	250.0	245.2	98.1
cal 7 mdq	7	✓	500.0	486.8	97.4
cal 8 mdq	8	✓	1000.0	1029.0	102.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



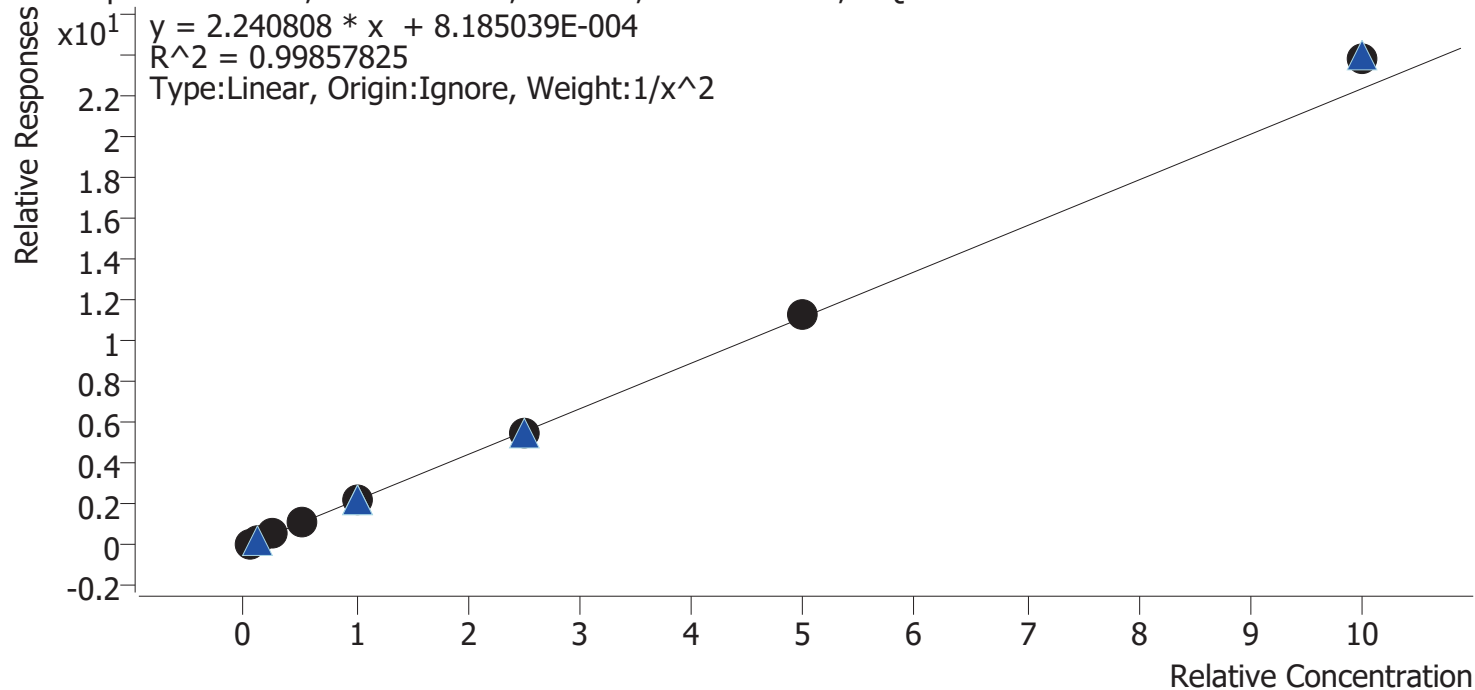
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	487.0	97.4
cal 8 mdq	8	✓	1000.0	1018.9	101.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



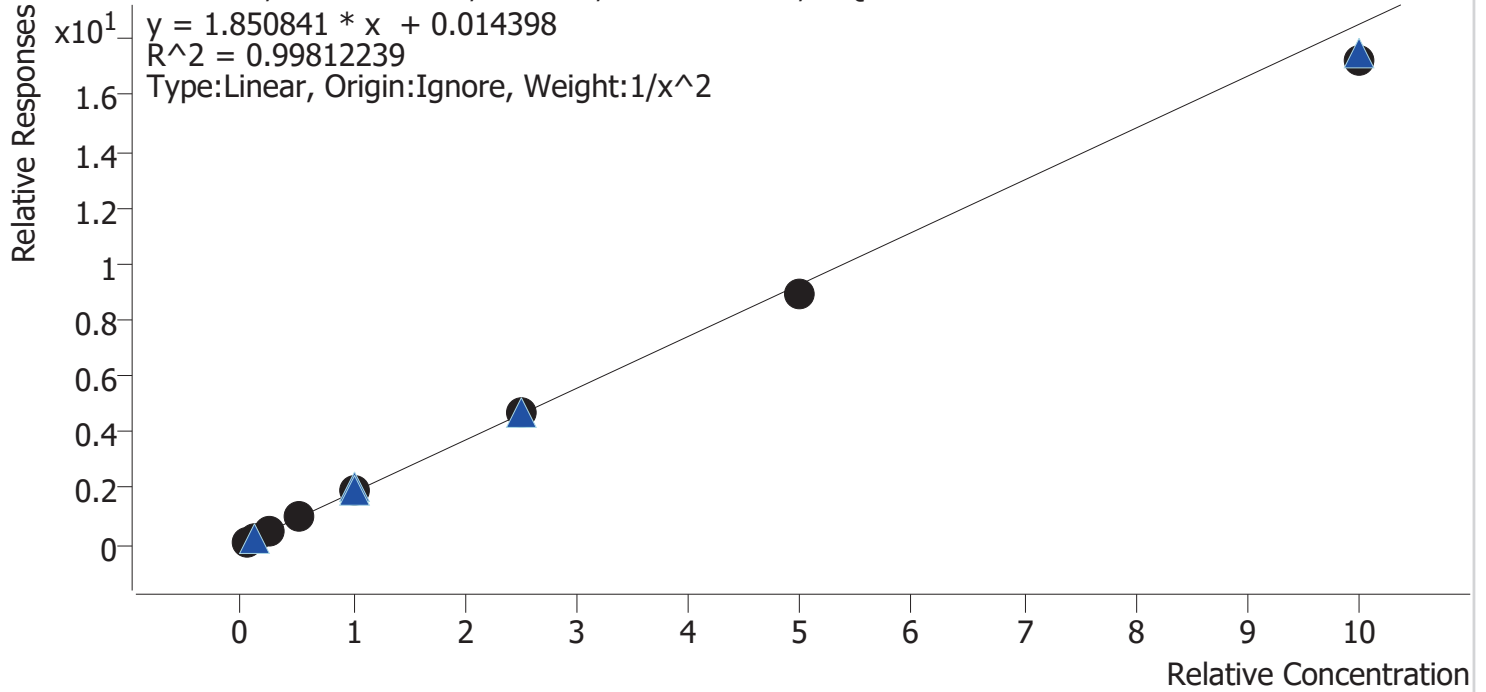
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	24.1	96.5
cal 4 mdq	4	✓	50.0	49.5	99.0
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	507.0	101.4
cal 8 mdq	8	✓	1000.0	1068.3	106.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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

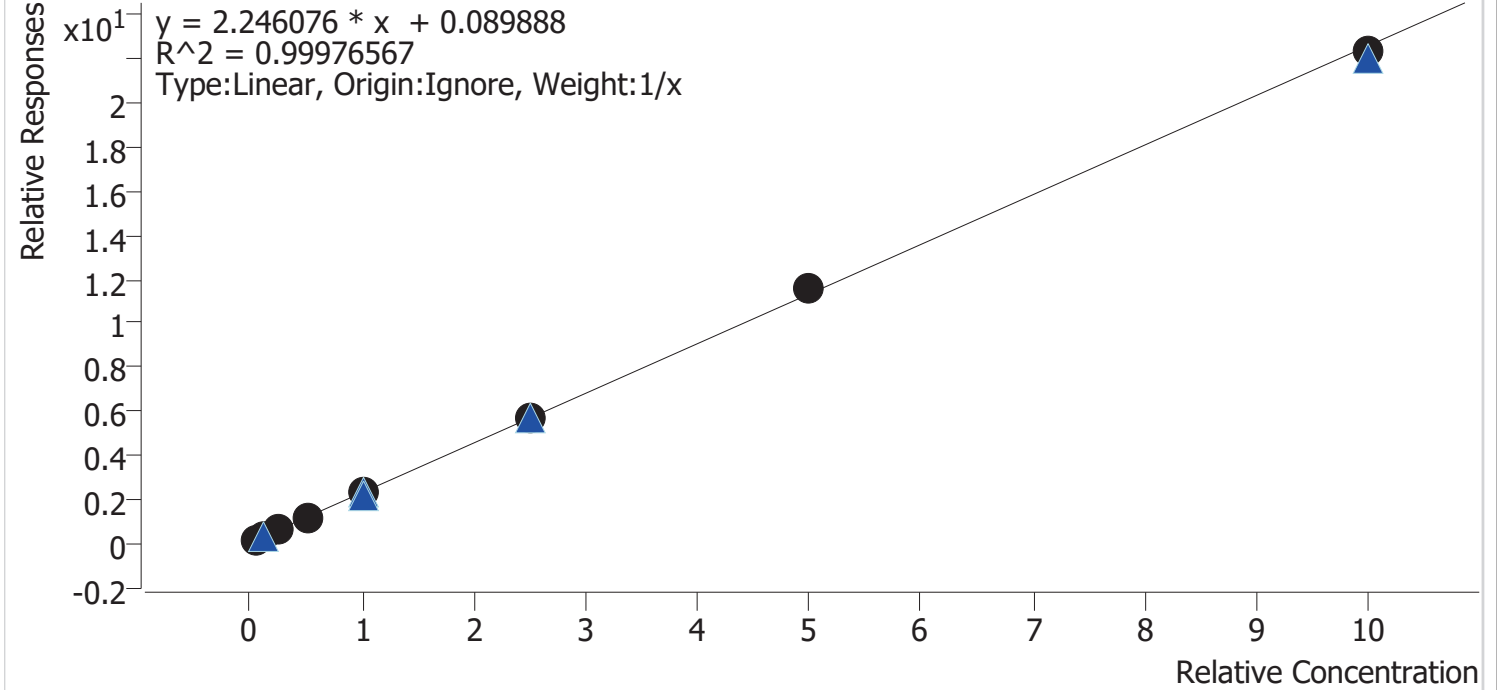


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	52.6	105.1
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	483.6	96.7
cal 8 mdq	8	✓	1000.0	933.5	93.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

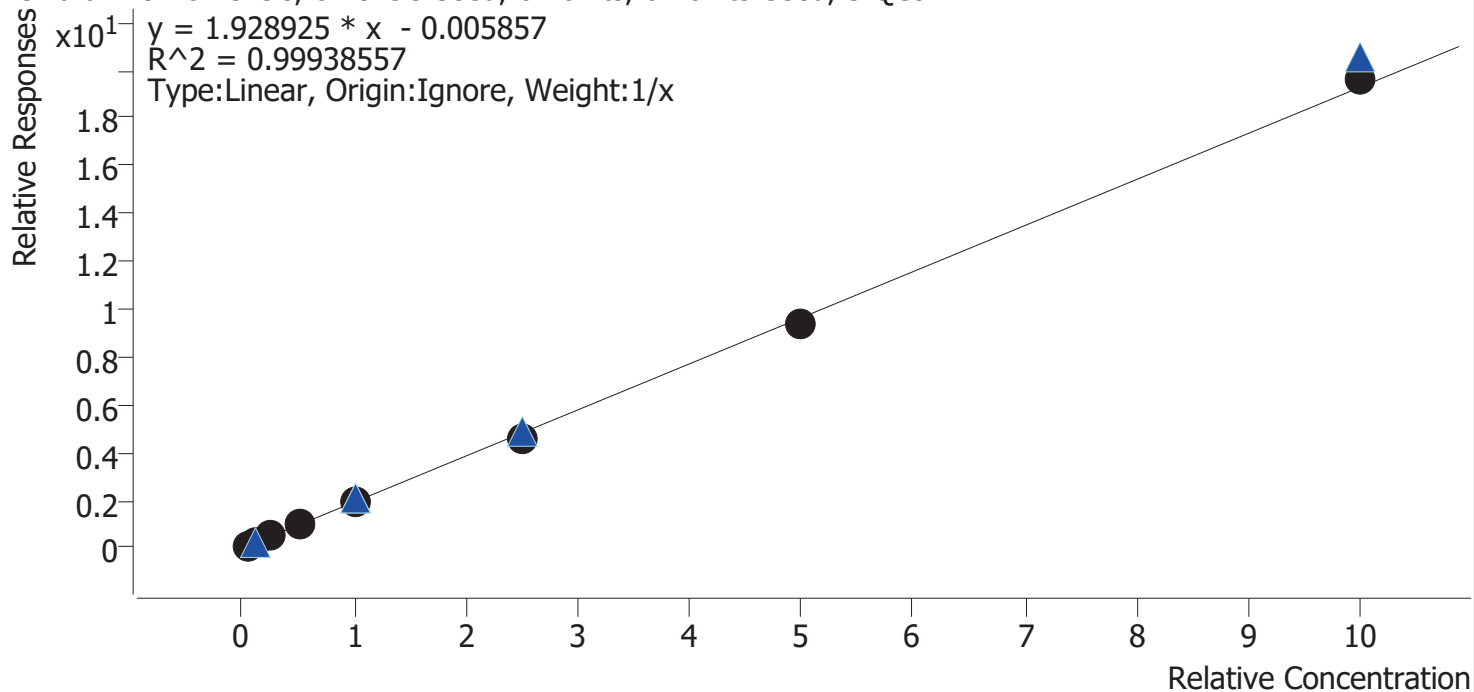


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	49.1	98.2
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	251.6	100.7
cal 7 mdq	7	✓	500.0	507.9	101.6
cal 8 mdq	8	✓	1000.0	988.4	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



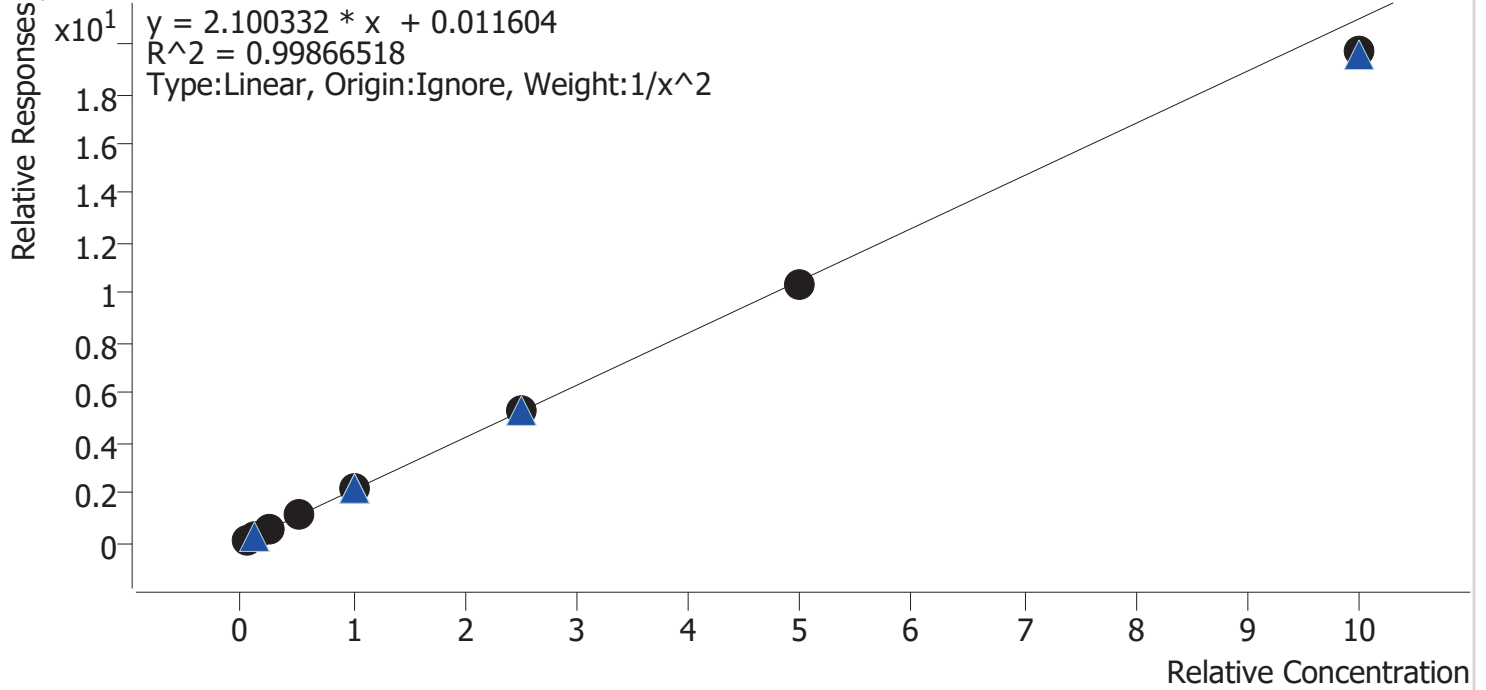
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.2
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	50.0	100.0
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	241.0	96.4
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	1021.4	102.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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

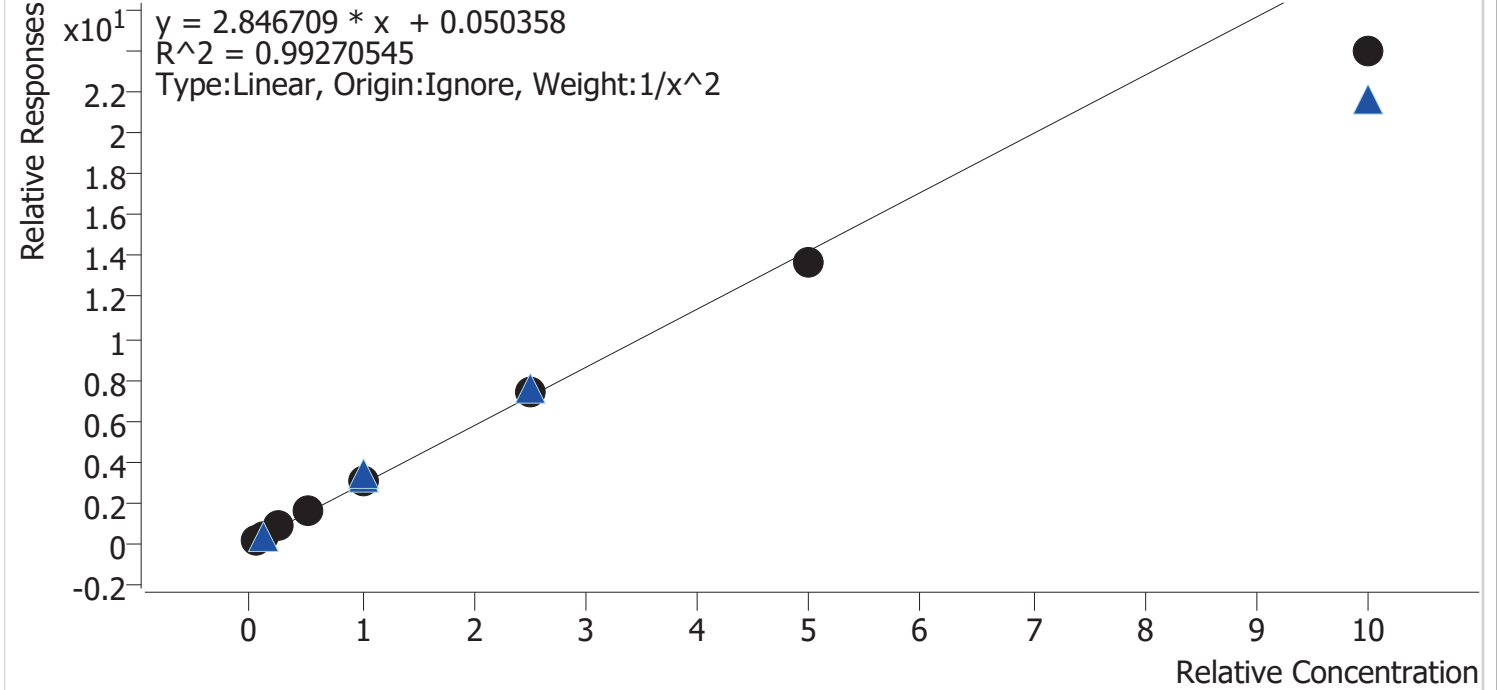


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.0
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	51.7	103.5
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	252.6	101.1
cal 7 mdq	7	✓	500.0	490.2	98.0
cal 8 mdq	8	✓	1000.0	937.3	93.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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

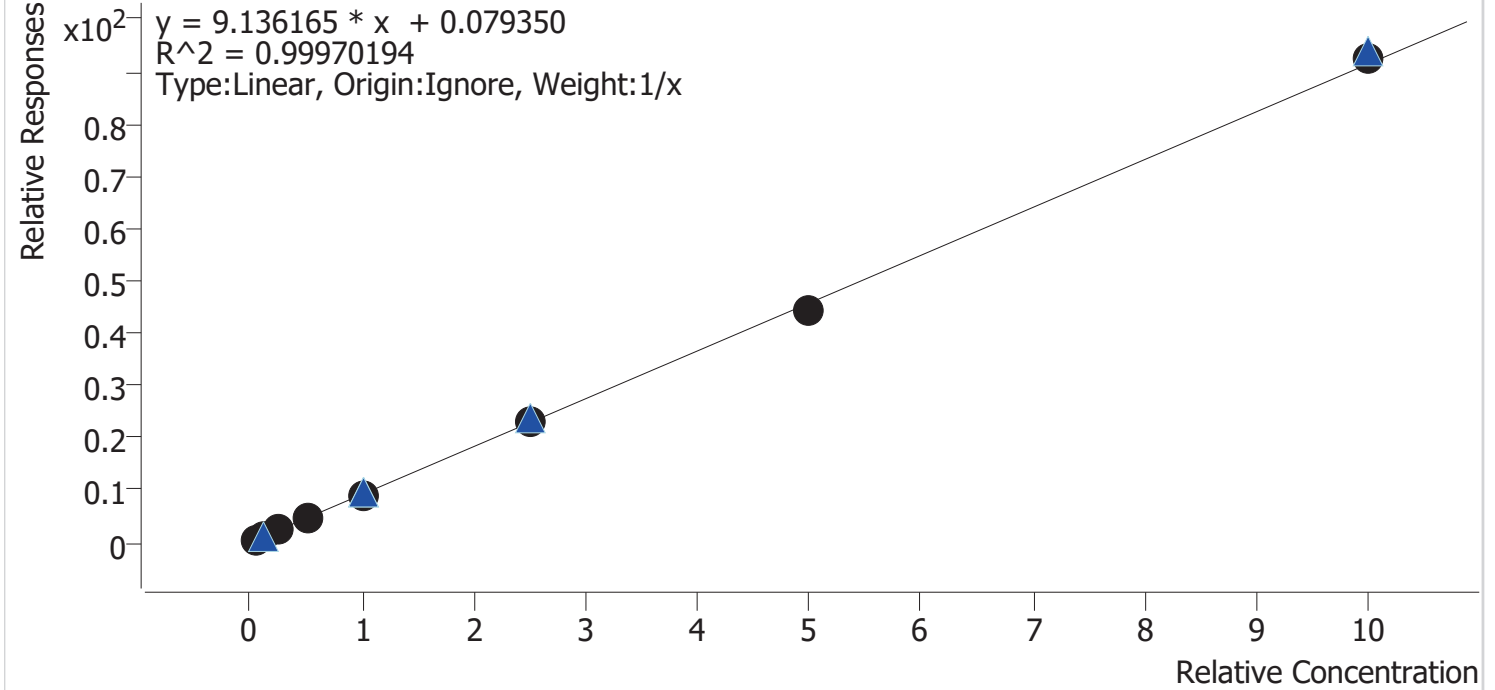


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.3	102.9
cal 3 mdq	3	✓	25.0	26.5	105.9
cal 4 mdq	4	✓	50.0	52.8	105.7
cal 5 mdq	5	✓	100.0	105.0	105.0
cal 6 mdq	6	✓	250.0	257.9	103.2
cal 7 mdq	7	✓	500.0	483.1	96.6
cal 8 mdq	8	✓	1000.0	840.9	84.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Last Cal. Update 6/12/2020 9:57 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



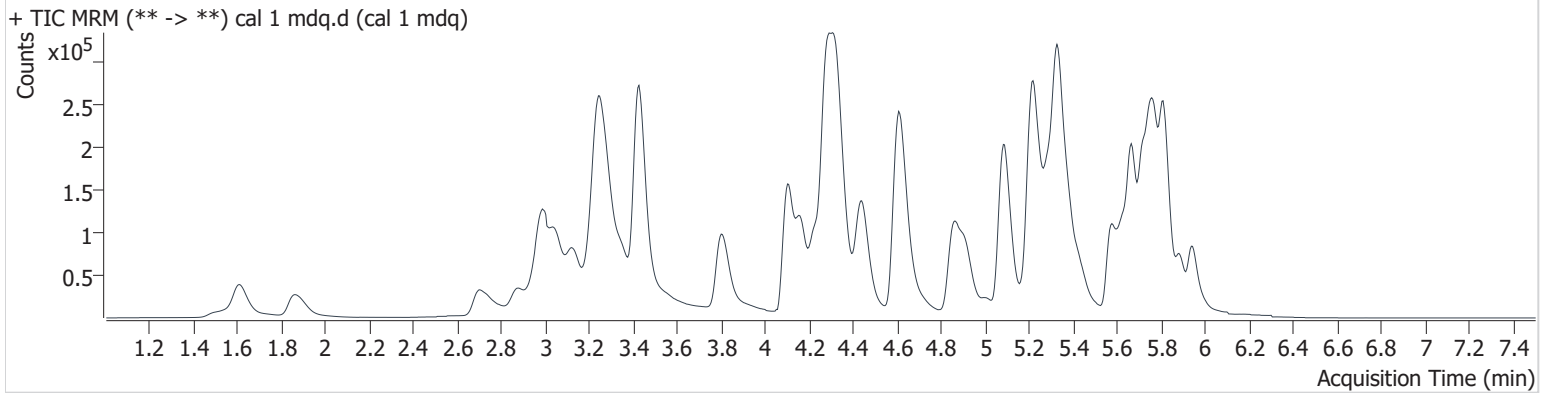
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	24.8	99.1
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	487.3	97.5
cal 8 mdq	8	✓	1000.0	1013.8	101.4

AM #28 Multi-Drug Quant. Results

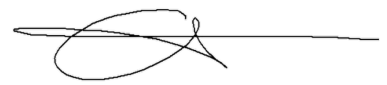
Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679 Data File cal 1 mdq.d
Type Cal Sample cal 1 mdq
Acq. Method MDQP1 5-27-20.m Operator Anne Nord
Sample Position P2-A1 Comment
Injection Volume 2
Acq. Date-Time 6/11/2020 11:31:13 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.273	1081	1020.8	66.3	372.3	48978	0.507 ng/ml
7-aminoclonazepam	4.318	23171	3747.0	83.6	2646.1	166228	5.067 ng/ml
a-hydroxyalprazolam	5.702	4566	178.5	62.6	4394.4	46771	4.743 ng/ml
alpha-PVP	4.453	53038	2717.4	53.0	1279.4	409374	5.018 ng/ml
Alprazolam	5.776	29030	25445.6	108.3	510.6	193724	5.268 ng/ml
Amphetamine	3.130	86353	22.3	59.4	232.8	256302	4.904 ng/ml
Benzoylcegonine	3.910	1158	9.4 Low	10.5 High	2.1 Low	7636	4.009 ng/ml
Buprenorphine	5.825	624	15.8	18.3	246.0	19441	0.485 ng/ml
Bupropion	4.883	56140	1007.0	61.8	1617.0	321229	4.996 ng/ml
Carisoprodol	5.726	28869	2284.9	65.2	177.4	269614	4.930 ng/ml
Citalopram	5.266	40406	384.3	47.2	5647.1	171350	5.070 ng/ml
Clonazepam	5.625	28341	1603.4	35.9	18632.5	85354	4.911 ng/ml
Cocaine	4.327	44308	2831.0	45.9	1535.6	654864	5.121 ng/ml
Codeine	2.929	5425	1024.1	104.5	472.5	54635	4.835 ng/ml
Cyclobenzaprine	5.643	57171	82539.6	9.9	84.7	116176	6.118 ng/ml
Dextromethorphan	5.310	32170	1047.4	79.3	8457.1	116908	5.089 ng/ml
Dextrorphan	4.166	15741	3545.9	216.6	13755.2	289193	4.978 ng/ml
Diazepam	5.947	20790	1135.7	85.0	2356.3	187671	4.882 ng/ml
Dihydrocodeine	2.750	14261	160.9	64.7	549.3	150614	4.840 ng/ml
Diphenhydramine	5.337	122552	12872.1	35.2	1861.3	671924	5.514 ng/ml
Doxylamine	4.620	121508	5949.9	97.6	4253.9	914016	5.021 ng/ml
EDDP	5.294	17850	559.5	221.0	1018.1	306119	5.057 ng/ml
Fentanyl	5.198	5249	215.7	79.5	3319.5	140264	0.447 ng/ml
Hydrocodone	3.244	21720	1029.7	42.4	1240.6	240233	4.732 ng/ml
Hydromorphone	1.903	18506	1619.0	72.1	881.8	117690	4.547 ng/ml
Ketamine	4.244	37331	108.4	37.1	155.9	314131	4.845 ng/ml
Lamotrigine	4.386	3900	178.2	87.5	335.6	256302	4.778 ng/ml
Lorazepam	5.749	22665	170.3	48.9	95.9	352046	4.764 ng/ml
MDA	3.267	63638	489.4	26.5	223.4	338746	4.830 ng/ml
MDMA	3.359	38796	499.3	86.3	689.4	71422	5.077 ng/ml
Meprobamate	4.935	22385	501.5	28.7	233.1	186800	5.013 ng/ml
Methadone	5.667	89055	1394.6	47.4	1778.6	348396	5.721 ng/ml
Methamphetamine	3.298	119162	603.0	41.3	146.0	504295	4.887 ng/ml



AM #28 Multi-Drug Quant. Results

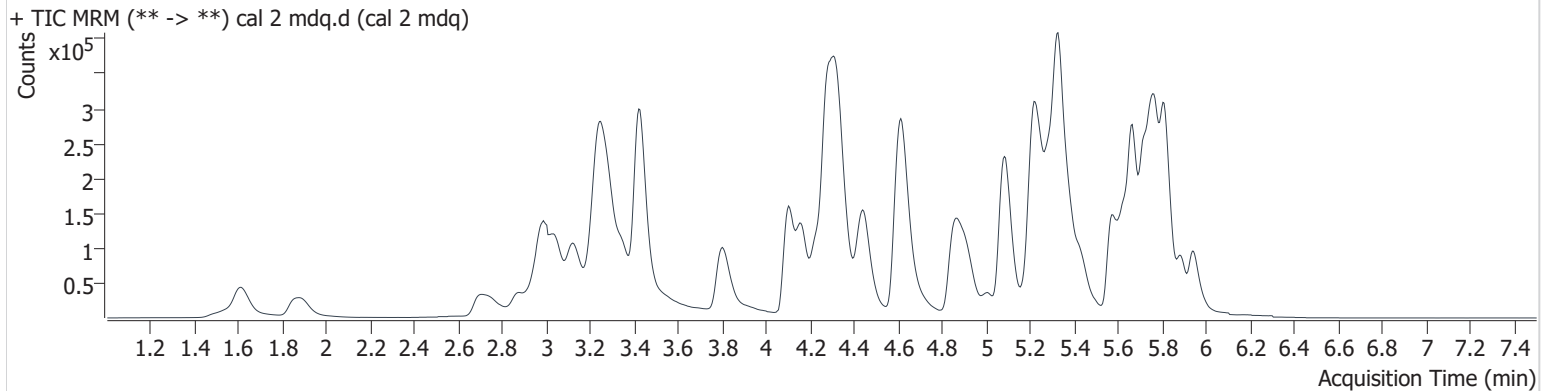
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.364	8817	1168.6	104.0	864.2	186800	4.930 ng/ml
Mirtazapine	4.846	69046	1591.5	47.5	1659.1	348396	4.926 ng/ml
Mitragynine	5.327	12176	7265.4	35.7	506.9	348396	4.954 ng/ml
Morphine	1.542	3353	1575.9	19.3	350.3	7125	5.068 ng/ml
Nordiazepam	5.896	19872	4450.2	59.9	9667.7	123186	5.030 ng/ml
Norfentanyl	4.122	955	46.6	304.1	93.2	621708	0.495 ng/ml
Norhydrocodone	3.143	592	38.3	35.6	2.7 Low	61453	6.499 ng/ml
Noroxycodone	2.989	20082	258.4	40.2	55.7	148675	3.593 ng/ml
O-desmethyl-tramadol	3.430	90581	2549.4	6.6	402.1	905447	5.305 ng/ml
Oxazepam	5.761	33171	210.1	80.2	364.7	352046	3.610 ng/ml
Oxycodone	3.029	42838	1287.4	29.5	910.4	363323	5.139 ng/ml
Oxymorphone	1.630	25576	1250.0	45.1	2156.5	180661	4.691 ng/ml
Phentermine	3.836	15617	40.4	6.5	39.7	371983	5.079 ng/ml
Promethazine	5.575	77893	2168.6	33.9	1489.2	204069	6.443 ng/ml
Quetiapine	5.608	30553	27370.1	60.2	11606.8	61473	4.918 ng/ml
Temazepam	5.818	59815	421.5	28.8	50.3	521011	5.087 ng/ml
Tramadol	4.293	102957	6574.0	3.0	10.7	976550	4.918 ng/ml
Trazodone	5.432	48914	1262.6	79.2	78150.0	242245	4.988 ng/ml
Venlafaxine	5.081	72658	8331.5	40.8	369.8	737492	5.411 ng/ml
Zolpidem	5.236	103026	1167.0	31.0	2607.2	891295	4.951 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679 **Data File** cal 2 mdq.d
Type Cal **Sample** cal 2 mdq
Acq. Method MDQP1 5-27-20.m **Operator** Anne Nord
Sample Position P2-B1 **Comment**
Injection Volume 2
Acq. Date-Time 6/11/2020 11:42:04 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	1871	2524.5	82.9	2076.1	48924	0.938 ng/ml
7-aminoclonazepam	4.318	44746	265.0	84.6	425.2	168101	9.869 ng/ml
a-hydroxyalprazolam	5.702	9567	641.7	57.7	6009.6	44263	10.999 ng/ml
alpha-PVP	4.453	100944	5649.7	54.1	1116.2	415281	9.845 ng/ml
Alprazolam	5.776	56901	1826.3	109.3	1328.7	198398	10.056 ng/ml
Amphetamine	3.125	160707	493.1	57.1	1096.6	250567	9.813 ng/ml
Benzoylcegonine	3.910	2623	192.6	8.1	123.4	6727	10.517 ng/ml
Buprenorphine	5.825	1138	26.6	14.2	200.1	23784	1.119 ng/ml
Bupropion	4.883	101595	5325.3	63.0	1026.4	327837	9.974 ng/ml
Carisoprodol	5.726	53786	2088.2	66.2	618.4	273476	9.453 ng/ml
Citalopram	5.266	71169	2234.5	44.1	8376.8	204188	10.207 ng/ml
Clonazepam	5.620	54772	1662.4	35.0	674.3	86586	10.075 ng/ml
Cocaine	4.327	86651	11502.6	45.1	1038.9	653298	10.138 ng/ml
Codeine	2.929	10901	1921.9	105.6	322.2	53954	10.467 ng/ml
Cyclobenzaprine	5.643	86960	136798.0	9.1	740.3	154299	8.964 ng/ml
Dextromethorphan	5.310	52039	2590.5	77.7	76442.2	141439	9.745 ng/ml
Dextrorphan	4.161	29801	2815.5	219.7	3177.1	303362	10.060 ng/ml
Diazepam	5.947	39786	1407.4	87.0	814.4	184520	10.045 ng/ml
Dihydrocodeine	2.750	29346	1024.2	59.9	3329.2	151351	10.403 ng/ml
Diphenhydramine	5.331	206608	663.8	34.7	793.2	752693	10.487 ng/ml
Doxylamine	4.620	234471	3953.6	97.6	5764.5	928085	9.966 ng/ml
EDDP	5.294	36334	1602.0	236.3	4027.3	363084	9.889 ng/ml
Fentanyl	5.204	8858	120.2	70.6	6687.3	180961	1.058 ng/ml
Hydrocodone	3.244	44426	1519.0	38.5	793.7	246371	10.540 ng/ml
Hydromorphone	1.898	35698	1433.9	73.5	2402.7	109574	10.176 ng/ml
Ketamine	4.244	72719	2365.7	37.9	281.3	321320	10.242 ng/ml
Lamotrigine	4.391	7664	452.0	84.1	1692.5	250567	10.610 ng/ml
Lorazepam	5.749	44986	2066.1	56.9	118.2	362685	10.388 ng/ml
MDA	3.262	118474	777.5	28.1	167.6	345216	10.287 ng/ml
MDMA	3.354	72822	694.7	87.5	1034.5	72735	10.090 ng/ml
Meprobamate	4.935	43862	4138.0	29.0	848.6	182127	10.071 ng/ml
Methadone	5.667	148402	13114.1	47.7	1729.4	432263	9.953 ng/ml
Methamphetamine	3.293	167702	666.0	41.1	274.0	482232	10.188 ng/ml



AM #28 Multi-Drug Quant. Results

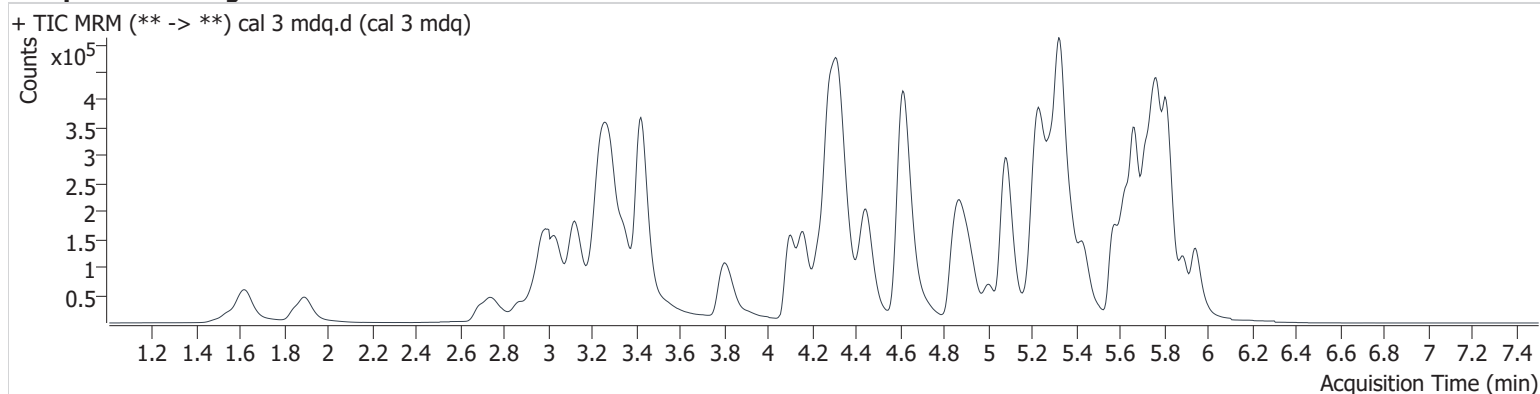
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.364	17169	6456.7	97.2	1851.5	182127	10.318 ng/ml
Mirtazapine	4.846	124935	2908.3	47.6	2171.1	432263	9.451 ng/ml
Mitragynine	5.327	19677	6004.2	39.6	5062.3	432263	9.680 ng/ml
Morphine	1.542	6309	1877.6	20.0	124.7	7670	9.553 ng/ml
Norbuprenorphine	5.053	232	328.8	89.6	118.8	5576	0.960 ng/ml
Nordiazepam	5.891	37643	1695.8	64.1	10238.0	125777	9.796 ng/ml
Norfentanyl	4.122	1840	50.8	285.5	307.2	629111	1.006 ng/ml
Norhydrocodone	3.128	1082	206.9	35.5	∞	60822	10.411 ng/ml
Noroxycodone	2.984	39311	256.4	44.3	566.6	150380	9.177 ng/ml
O-desmethyl-tramadol	3.430	174605	6908.3	6.5	836.1	907729	10.109 ng/ml
Oxazepam	5.756	68600	1558.5	71.4	778.3	362685	9.413 ng/ml
Oxycodone	3.029	84180	1434.3	29.2	2993.9	367403	10.109 ng/ml
Oxymorphone	1.630	49221	51.8	44.9	754.9	183900	9.753 ng/ml
Phentermine	3.831	28028	28.6	7.6	65.7	367628	9.379 ng/ml
Promethazine	5.570	121840	7521.8	32.9	845.9	276765	9.073 ng/ml
Quetiapine	5.608	57058	6024.7	62.4	25918.6	66846	10.193 ng/ml
Temazepam	5.818	119257	3013.0	29.6	277.9	539383	9.830 ng/ml
Tramadol	4.288	198691	3735.6	3.4	22.1	985991	10.110 ng/ml
Trazodone	5.432	85759	2608.7	80.1	1307.5	274493	9.908 ng/ml
Venlafaxine	5.081	139067	3324.3	41.1	239.7	752321	9.887 ng/ml
Zolpidem	5.236	200181	3931.3	30.2	1797.6	904437	9.985 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679 **Data File** cal 3 mdq.d
Type Cal **Sample** cal 3 mdq
Acq. Method MDQP1 5-27-20.m **Operator** Anne Nord
Sample Position P2-C1 **Comment**
Injection Volume 2
Acq. Date-Time 6/11/2020 11:52:52 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	4897	2265.4	67.6	1104.8	47842	2.648 ng/ml
7-aminoclonazepam	4.313	106683	838.3	83.5	2032.5	163899	24.442 ng/ml
a-hydroxyalprazolam	5.702	21022	429.3	62.0	12584.5	44060	24.775 ng/ml
alpha-PVP	4.453	244286	5543.5	52.4	1742.4	406017	25.093 ng/ml
Alprazolam	5.776	134061	3578.5	107.2	3995.6	190019	24.696 ng/ml
Amphetamine	3.125	435702	3457.8	48.1	2098.3	249300	27.653 ng/ml
Benzoylcegonine	3.905	5721	671.2	7.1	112.1	6762	22.974 ng/ml
Buprenorphine	5.825	1826	157.1	19.8	1242.4	24467	2.199 ng/ml
Bupropion	4.883	238455	5858.4	61.8	3160.6	330406	25.147 ng/ml
Carisoprodol	5.726	131899	8095.9	63.6	1322.0	256052	25.527 ng/ml
Citalopram	5.261	133910	3239.0	44.7	100163.9	200989	24.685 ng/ml
Clonazepam	5.620	128227	8427.5	34.5	59504.4	82358	25.958 ng/ml
Cocaine	4.327	205477	6524.5	46.3	40712.6	639493	24.706 ng/ml
Codeine	2.929	26136	1409.7	103.8	1339.2	53968	25.938 ng/ml
Cyclobenzaprine	5.637	139613	131244.2	9.2	3471.5	151387	23.243 ng/ml
Dextromethorphan	5.305	91159	2607.5	76.5	582.0	137016	24.672 ng/ml
Dextrorphan	4.161	67938	9206.0	216.8	6836.3	303493	24.636 ng/ml
Diazepam	5.947	97285	1809.4	85.8	12425.2	187189	25.018 ng/ml
Dihydrocodeine	2.745	70174	4478.8	61.4	1802.2	148458	26.032 ng/ml
Diphenhydramine	5.331	404095	3458.3	33.8	13347.8	762113	24.295 ng/ml
Doxylamine	4.620	561070	725.5	97.1	45368.3	918947	24.754 ng/ml
EDDP	5.294	74884	112925.6	245.8	8798.6	335724	24.118 ng/ml
Fentanyl	5.204	13436	336.0	69.1	801.0	177686	2.470 ng/ml
Hydrocodone	3.244	105002	869.1	38.8	729.4	241422	26.989 ng/ml
Hydromorphone	1.898	79909	4664.2	70.3	2409.7	113602	22.787 ng/ml
Ketamine	4.244	174027	5915.0	37.7	578.5	318682	26.297 ng/ml
Lamotrigine	4.386	17825	753.2	91.1	1901.9	249300	26.132 ng/ml
Lorazepam	5.749	105159	2460.4	55.6	373.4	345485	27.388 ng/ml
MDA	3.262	267464	1913.7	27.8	524.6	332522	26.486 ng/ml
MDMA	3.348	165393	27852.4	88.1	11529.5	70625	24.764 ng/ml
Meprobamate	4.930	105907	5888.4	29.4	1298.6	180647	24.513 ng/ml
Methadone	5.667	270582	3840.3	48.5	6514.0	424684	24.134 ng/ml
Methamphetamine	3.288	329400	899.6	41.7	10244.2	482956	26.087 ng/ml



AM #28 Multi-Drug Quant. Results

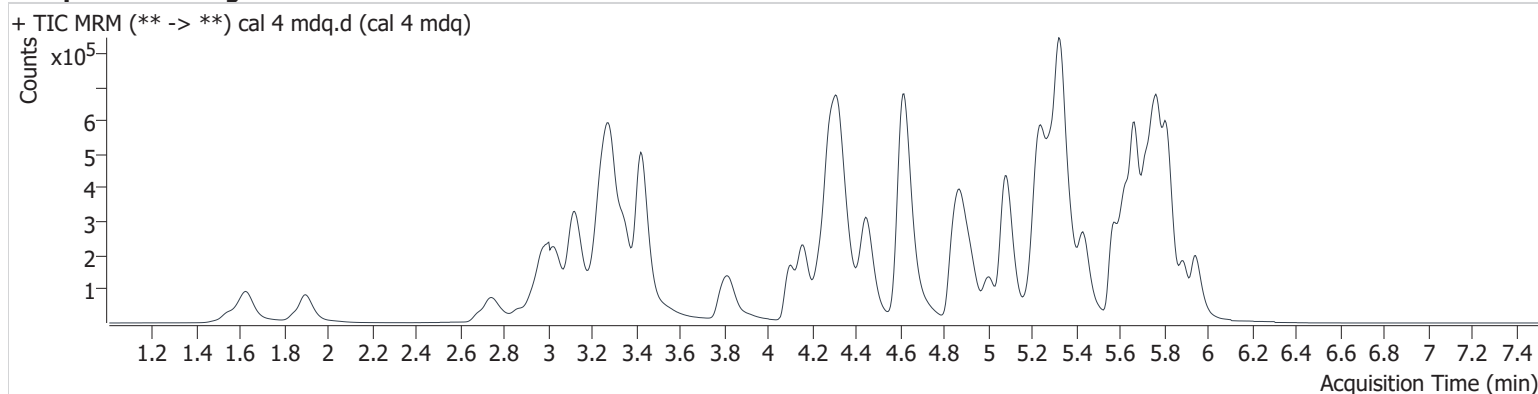
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.364	39320	1358.2	98.9	2706.9	180647	24.443 ng/ml
Mirtazapine	4.841	260642	42154.3	47.2	8390.0	424684	25.626 ng/ml
Mitragynine	5.322	35511	231.2	37.4	3031.2	424684	26.706 ng/ml
Morphine	1.542	15199	26301.3	19.9	56.0	7722	24.153 ng/ml
Norbuprenorphine	5.038	419	395.8	74.0	497.2	5250	2.765 ng/ml
Nordiazepam	5.891	90025	6720.4	60.6	11713.8	120070	25.361 ng/ml
Norfentanyl	4.122	4369	277.8	296.2	290.9	620667	2.521 ng/ml
Norhydrocodone	3.122	2687	261.6	43.9	326.9	59211	23.662 ng/ml
Noroxycodone	2.979	95070	46.5	42.7	2266.0	145413	26.520 ng/ml
O-desmethyl-tramadol	3.425	421650	24320.0	6.6	1806.5	896360	24.581 ng/ml
Oxazepam	5.756	160757	1640.4	71.5	2128.9	345485	26.293 ng/ml
Oxycodone	3.024	201484	3846.5	29.2	3387.4	361868	24.752 ng/ml
Oxymorphone	1.625	119840	2422.6	44.2	4457.1	182597	25.356 ng/ml
Phentermine	3.826	75906	175.1	6.5	55.3	363153	26.044 ng/ml
Promethazine	5.570	204002	5257.1	33.5	2861.2	262344	24.239 ng/ml
Quetiapine	5.608	127574	102211.4	58.7	6159.4	66128	26.108 ng/ml
Temazepam	5.818	283786	4624.3	30.2	165.1	524185	24.124 ng/ml
Tramadol	4.288	472424	22096.6	3.5	367.1	966981	25.618 ng/ml
Trazodone	5.432	181733	2839.3	75.4	110526.3	282932	24.595 ng/ml
Venlafaxine	5.081	348686	11400.8	37.9	1306.1	737744	24.806 ng/ml
Zolpidem	5.231	481172	10324.7	29.3	4087.2	868592	25.823 ng/ml

AM #28 Multi-Drug Quant. Results

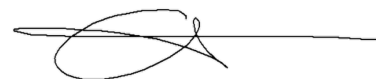
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Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679 **Data File** cal 4 mdq.d
Type Cal **Sample** cal 4 mdq
Acq. Method MDQP1 5-27-20.m **Operator** Anne Nord
Sample Position P2-D1 **Comment**
Injection Volume 2
Acq. Date-Time 6/11/2020 12:03:40 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	9759	5369.5	70.1	3376.8	48755	5.256 ng/ml
7-aminoclonazepam	4.313	214298	2904.2	82.2	2786.9	162355	49.783 ng/ml
a-hydroxyalprazolam	5.702	42927	1596.0	63.8	3758.2	44212	50.842 ng/ml
alpha-PVP	4.453	509457	9819.5	53.5	1614.2	426832	50.263 ng/ml
Alprazolam	5.776	266747	5787.1	109.2	15961.0	191144	48.821 ng/ml
Amphetamine	3.120	906101	9095.9	49.7	8340.0	269854	53.615 ng/ml
Benzoylcegonine	3.910	12402	5337.0	7.2	64.0	7322	46.122 ng/ml
Buprenorphine	5.830	4286	619.1	15.2	616.6	30538	4.848 ng/ml
Bupropion	4.883	513359	656.6	61.7	2387.3	363894	50.533 ng/ml
Carisoprodol	5.726	269663	2664.2	60.9	2146.0	255779	52.741 ng/ml
Citalopram	5.261	290452	6194.8	46.7	1197.0	240079	49.454 ng/ml
Clonazepam	5.620	251519	6400.0	34.9	150902.9	81239	52.403 ng/ml
Cocaine	4.327	423328	28033.8	45.6	23194.0	655439	49.766 ng/ml
Codeine	2.929	51742	387.2	110.7	10760.9	55289	50.688 ng/ml
Cyclobenzaprine	5.637	288155	5747.2	9.1	30766.8	189782	46.977 ng/ml
Dextromethorphan	5.305	206349	1915.0	75.1	7208.0	180367	48.702 ng/ml
Dextrorphan	4.161	146097	15799.2	213.0	1479.8	324850	50.845 ng/ml
Diazepam	5.947	195052	4146.6	88.3	7375.5	189175	50.197 ng/ml
Dihydrocodeine	2.739	142582	2888.5	64.0	3216.5	153876	51.479 ng/ml
Diphenhydramine	5.331	909788	2273.5	34.7	1971.9	952900	47.217 ng/ml
Doxylamine	4.615	1194415	166692.0	96.2	3201.2	977627	50.004 ng/ml
EDDP	5.294	176748	2302.8	231.4	13633.6	392371	50.430 ng/ml
Fentanyl	5.204	28755	737.4	70.7	4752.9	238880	4.840 ng/ml
Hydrocodone	3.244	205397	3002.2	40.1	1137.9	239536	54.287 ng/ml
Hydromorphone	1.898	182049	3417.7	72.5	4084.7	117867	50.877 ng/ml
Ketamine	4.244	355206	15855.1	38.0	1537.8	326553	53.494 ng/ml
Lamotrigine	4.386	37386	1213.8	90.2	3463.4	269854	51.570 ng/ml
Lorazepam	5.749	202013	5681.2	55.5	599.1	342095	54.362 ng/ml
MDA	3.262	553720	2352.2	28.1	1827.2	356169	52.843 ng/ml
MDMA	3.348	359241	38369.9	87.9	14088.1	76818	50.318 ng/ml
Meprobamate	4.930	216262	21779.1	29.2	1313.4	181905	49.706 ng/ml
Methadone	5.667	611978	86620.9	48.5	15943.3	544104	47.668 ng/ml
Methamphetamine	3.288	665545	2996.2	41.2	1756.4	539217	52.352 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	83172	9826.8	97.1	7279.9	181905	51.865 ng/ml
Mirtazapine	4.841	587679	11311.9	47.1	7766.4	544104	48.856 ng/ml
Mitragynine	5.322	78968	166875.7	36.8	779.9	544104	54.199 ng/ml
Morphine	1.542	30547	859.3	21.0	1881.4	6821	56.140 ng/ml
Norbuprenorphine	5.027	830	1144.6	83.8	339.2	6471	5.065 ng/ml
Nordiazepam	5.891	185293	164596.4	60.6	59560.8	125137	50.616 ng/ml
Norfentanyl	4.122	9449	848.0	294.0	123.9	656515	5.229 ng/ml
Norhydrocodone	3.128	5297	148.0	44.4	107.5	60582	43.859 ng/ml
Noroxycodone	2.979	189440	4645.1	43.7	926.1	146063	54.948 ng/ml
O-desmethyl-tramadol	3.425	858630	22632.2	6.7	5425.6	911122	49.146 ng/ml
Oxazepam	5.756	312302	6734.9	73.8	2748.7	342095	53.652 ng/ml
Oxycodone	3.024	415769	4592.8	29.6	7231.2	374097	49.537 ng/ml
Oxymorphone	1.625	245922	165.3	44.6	3965.3	187600	51.636 ng/ml
Phentermine	3.826	171791	444.3	6.4	75.0	404968	53.053 ng/ml
Promethazine	5.570	443680	436541.5	33.4	1560.9	352527	45.858 ng/ml
Quetiapine	5.608	265580	15400.3	60.5	189800.6	75566	49.565 ng/ml
Temazepam	5.818	581737	6304.2	30.3	2036.5	523903	49.517 ng/ml
Tramadol	4.288	973389	20950.8	3.5	393.7	985898	52.566 ng/ml
Trazodone	5.432	392807	4812.3	78.8	23445.7	329238	49.116 ng/ml
Venlafaxine	5.081	747290	80624.6	37.8	3248.7	779912	49.978 ng/ml
Zolpidem	5.236	978138	8428.1	30.1	4900.0	890514	51.744 ng/ml

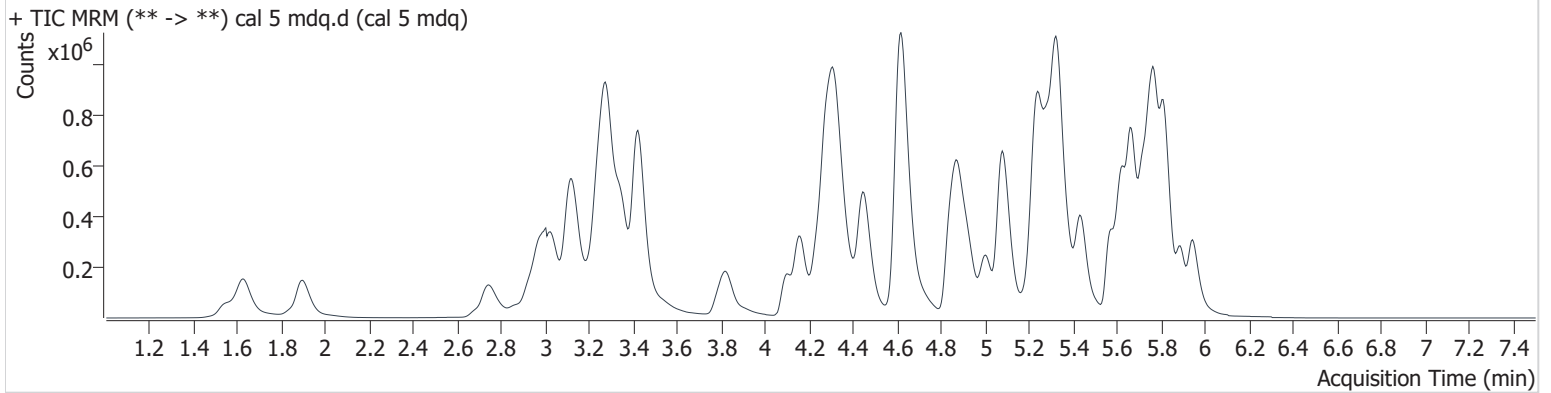
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679
Type Cal
Acq. Method MDQP1 5-27-20.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 6/11/2020 12:14:28 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.263	18163	230.0	74.8	3210.5	46651	10.301 ng/ml
7-aminoclonazepam	4.313	390397	76671.4	84.1	4394.6	152552	96.720 ng/ml
a-hydroxyalprazolam	5.697	78732	3124.7	61.6	1395.2	39777	104.072 ng/ml
alpha-PVP	4.448	983774	10378.3	52.2	2969.7	413624	100.645 ng/ml
Alprazolam	5.776	501897	10954.6	109.6	20518.3	177996	98.614 ng/ml
Amphetamine	3.120	1589657	7392.6	50.4	17400.1	248788	102.503 ng/ml
Benzoylcegonine	3.905	24571	5417.9	8.7	1525.4	6943	96.510 ng/ml
Buprenorphine	5.830	6992	1296.1	16.9	1063.0	26838	9.690 ng/ml
Bupropion	4.878	938170	1231.9	62.2	9490.9	340683	100.016 ng/ml
Carisoprodol	5.726	478353	37838.1	62.1	2957.1	237593	101.151 ng/ml
Citalopram	5.261	446018	4856.2	45.6	5026.7	192891	99.692 ng/ml
Clonazepam	5.620	470889	26082.9	34.8	208176.0	77395	103.748 ng/ml
Cocaine	4.322	790836	500429.2	45.1	28224.7	616667	98.917 ng/ml
Codeine	2.924	104080	6577.9	106.2	29707.9	54617	103.844 ng/ml
Cyclobenzaprine	5.637	387622	525187.7	9.3	927.6	132749	102.780 ng/ml
Dextromethorphan	5.305	294313	4243.8	75.1	309.6	136284	99.673 ng/ml
Dextrorphan	4.156	268569	13863.8	212.2	17713.1	308949	99.526 ng/ml
Diazepam	5.947	374581	10133.6	86.0	8455.1	181552	101.020 ng/ml
Dihydrocodeine	2.739	279803	4883.5	62.6	6841.1	152992	102.061 ng/ml
Diphenhydramine	5.331	1433116	84827.8	33.6	40562.8	779801	94.897 ng/ml
Doxylamine	4.615	2259261	6976.5	97.6	21557.3	942927	98.518 ng/ml
EDDP	5.289	360646	8990.7	231.3	54695.7	409631	100.176 ng/ml
Fentanyl	5.198	40650	344.8	68.1	3914.9	175020	10.765 ng/ml
Hydrocodone	3.239	384998	1119.3	40.5	4976.5	230731	106.689 ng/ml
Hydromorphone	1.893	375903	1382.1	73.9	1190.3	117931	105.746 ng/ml
Ketamine	4.244	662873	12924.3	37.6	2376.4	314842	104.591 ng/ml
Lamotrigine	4.386	68685	2167.1	89.5	3587.6	248788	103.754 ng/ml
Lorazepam	5.749	345526	10238.8	55.7	1377.3	304222	105.762 ng/ml
MDA	3.256	974971	14486.2	27.8	1191.1	320703	105.025 ng/ml
MDMA	3.348	659903	13292.6	87.0	665.3	72112	99.294 ng/ml
Meprobamate	4.930	411066	149166.3	29.1	10339.5	176049	97.620 ng/ml
Methadone	5.667	921197	13861.6	47.6	10757.2	431060	96.526 ng/ml
Methamphetamine	3.288	1147870	2981.3	42.0	4767.2	504952	101.765 ng/ml



AM #28 Multi-Drug Quant. Results

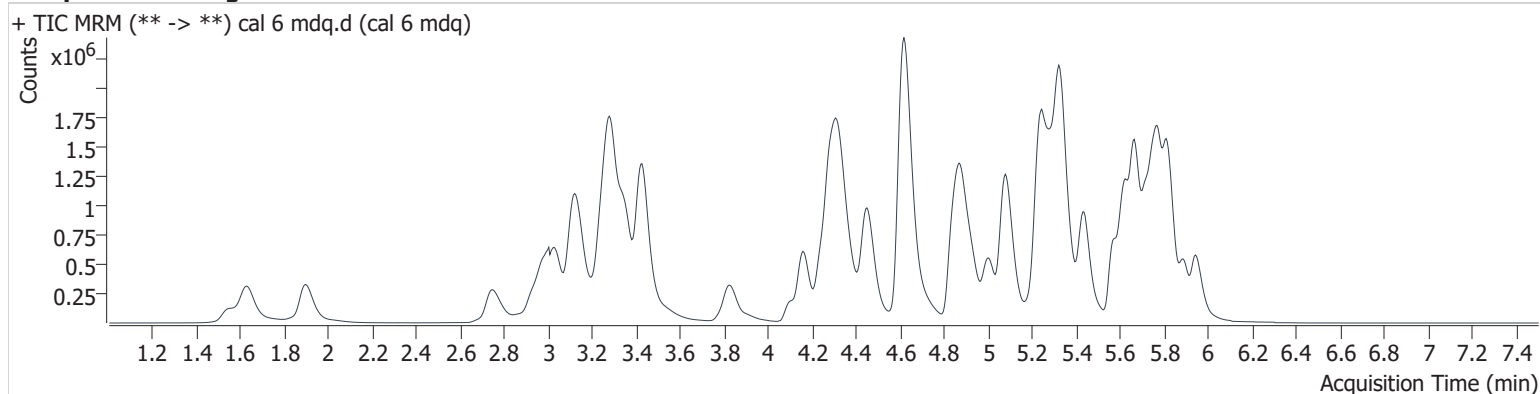
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	152805	19644.5	96.5	2005.6	176049	98.882 ng/ml
Mirtazapine	4.841	961454	24571.6	47.2	88405.6	431060	106.160 ng/ml
Mitragynine	5.322	115621	560.3	38.2	541.1	431060	109.212 ng/ml
Morphine	1.542	63193	3337.7	19.7	2351.3	7254	110.085 ng/ml
Norbuprenorphine	5.032	1282	624.9	101.3	1766.0	5831	9.398 ng/ml
Nordiazepam	5.891	342669	159593.9	61.0	139047.3	117300	100.388 ng/ml
Norfentanyl	4.122	17742	2667.3	294.9	514.8	638151	10.167 ng/ml
Norhydrocodone	3.128	11167	342.8	37.7	387.6	55186	99.044 ng/ml
Noroxycodone	2.974	359343	5720.5	43.1	3160.1	139840	111.201 ng/ml
O-desmethyl-tramadol	3.425	1687340	26191.1	6.6	2484.0	899349	97.746 ng/ml
Oxazepam	5.756	557738	4802.4	72.2	3668.9	304222	109.913 ng/ml
Oxycodone	3.024	811073	5973.4	30.0	3684.2	366428	98.787 ng/ml
Oxymorphone	1.625	477707	9431.7	44.5	59.7	185142	102.595 ng/ml
Phentermine	3.826	312560	468.1	6.1	666.2	384715	101.781 ng/ml
Promethazine	5.570	615895	24849.6	33.3	6566.6	265839	93.425 ng/ml
Quetiapine	5.608	459999	518482.9	60.3	3268.0	67363	98.602 ng/ml
Temazepam	5.818	1085911	6641.1	30.1	2078.5	494834	97.897 ng/ml
Tramadol	4.283	1843717	191653.4	3.5	935.6	961760	102.798 ng/ml
Trazodone	5.432	671559	207629.7	77.6	8400.9	278200	103.472 ng/ml
Venlafaxine	5.076	1405857	121917.9	38.2	4067.6	752838	97.115 ng/ml
Zolpidem	5.236	1880231	28849.8	30.2	13415.0	877065	101.516 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 6-10-20\QuantResults\mdq.batch.bin
Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 12:25:16 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	38520	1273.3	73.2	17381.0	40304	25.406 ng/ml
7-aminoclonazepam	4.313	772913	3732.7	83.2	10640.5	120335	243.076 ng/ml
a-hydroxyalprazolam	5.697	156448	6259.9	62.1	3672.9	32677	252.312 ng/ml
alpha-PVP	4.448	2237163	33221.3	52.5	20334.0	380020	249.834 ng/ml
Alprazolam	5.776	1068751	18273.4	107.9	32011.3	151324	246.960 ng/ml
Amphetamine	3.120	3400325	27616.6	50.4	31291.1	220451	248.189 ng/ml
Benzoylcegonine	3.905	59502	780.8	8.0	4823.0	7022	231.270 ng/ml
Buprenorphine	5.825	15746	1207.3	16.3	338.9	25966	23.629 ng/ml
Bupropion	4.883	2203932	17221.5	61.5	30927.8	323040	249.921 ng/ml
Carisoprodol	5.726	955754	46411.3	61.8	9819.4	192728	249.842 ng/ml
Citalopram	5.261	1042046	8742.3	45.6	4665.5	186782	248.550 ng/ml
Clonazepam	5.620	951355	44778.4	33.9	457567.4	63157	258.033 ng/ml
Cocaine	4.327	1765487	9805.9	45.4	167253.3	551106	247.250 ng/ml
Codeine	2.929	241616	8093.2	105.9	11865.9	53242	248.133 ng/ml
Cyclobenzaprine	5.637	893674	486332.6	9.3	1583.0	138397	243.616 ng/ml
Dextromethorphan	5.300	692715	96278.4	76.1	848134.2	134292	250.191 ng/ml
Dextrorphan	4.156	634201	148575.5	214.1	5370.1	291501	251.099 ng/ml
Diazepam	5.947	835901	31559.3	86.8	106303.7	163100	251.786 ng/ml
Dihydrocodeine	2.745	669027	24300.7	62.4	6979.9	148501	252.100 ng/ml
Diphenhydramine	5.331	3581507	151407.1	33.4	63095.7	774688	245.292 ng/ml
Doxylamine	4.615	5470384	251898.6	95.9	61965.5	904562	249.378 ng/ml
EDDP	5.289	764309	138116.8	236.4	14241.4	347623	252.701 ng/ml
Fentanyl	5.198	100692	1845.1	70.7	8051.1	197478	25.466 ng/ml
Hydrocodone	3.239	869226	4711.5	38.2	5541.7	219879	254.284 ng/ml
Hydromorphone	1.893	888512	22124.8	67.8	2488.7	108706	272.261 ng/ml
Ketamine	4.244	1461737	18017.3	38.0	5884.5	287996	253.720 ng/ml
Lamotrigine	4.391	150044	6712.3	89.5	8604.2	220451	257.247 ng/ml
Lorazepam	5.744	578875	10224.2	57.5	1781.3	230810	235.120 ng/ml
MDA	3.256	1944720	25703.4	27.7	3360.7	263057	257.926 ng/ml
MDMA	3.348	1544455	1174.3	87.4	1141.3	67569	249.316 ng/ml
Meprobamate	4.930	882364	36368.1	29.1	11921.5	152772	241.467 ng/ml
Methadone	5.667	2358162	35371.5	47.1	9948.2	458233	241.760 ng/ml
Methamphetamine	3.288	2438205	∞	41.5	30883.9	458047	246.817 ng/ml



AM #28 Multi-Drug Quant. Results

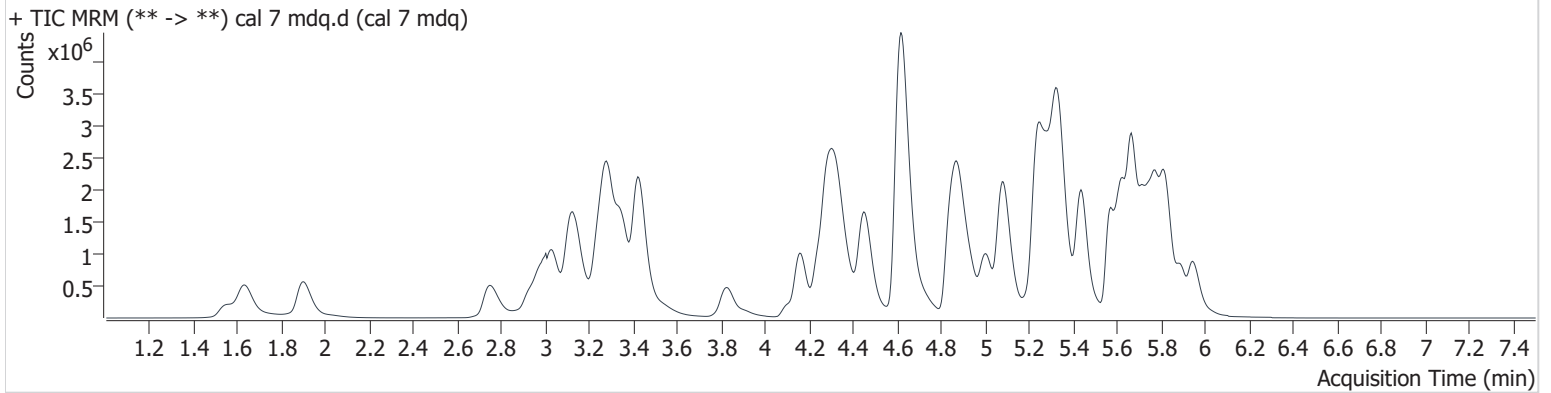
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	321636	25904.1	96.7	19137.0	152772	240.519 ng/ml
Mirtazapine	4.841	2402406	9777.7	46.8	4214.1	458233	256.214 ng/ml
Mitragynine	5.322	263688	42665.8	38.8	94317.8	458233	246.517 ng/ml
Morphine	1.542	135846	1858.7	22.9	1075.0	7098	242.972 ng/ml
Norbuprenorphine	5.032	3388	2831.9	88.5	722.8	5769	26.790 ng/ml
Nordiazepam	5.891	752349	648866.1	60.9	11309.8	103581	250.410 ng/ml
Norfentanyl	4.117	43106	5898.9	285.4	5788.3	611057	25.907 ng/ml
Norhydrocodone	3.128	26071	1265.8	38.3	203.5	44035	286.192 ng/ml
Noroxycodone	2.979	742163	6794.5	43.7	1844.9	118850	273.628 ng/ml
O-desmethyl-tramadol	3.425	3963050	11152.6	6.5	11177.4	842513	244.915 ng/ml
Oxazepam	5.756	1058142	2224.8	71.5	7433.9	230810	278.075 ng/ml
Oxycodone	3.024	1925476	12542.5	29.3	10686.3	345670	248.798 ng/ml
Oxymorphone	1.625	1107542	4323.0	44.2	2175.6	172820	256.295 ng/ml
Phentermine	3.826	723941	1121.4	5.9	971.5	358837	253.023 ng/ml
Promethazine	5.570	1525994	14030.3	32.3	15506.8	268070	245.163 ng/ml
Quetiapine	5.608	1111756	1188202.9	60.2	1118220.8	66301	245.670 ng/ml
Temazepam	5.818	2440495	23802.1	29.9	4179.7	443125	245.744 ng/ml
Tramadol	4.283	4118435	657597.7	3.5	2573.3	886729	250.163 ng/ml
Trazodone	5.432	1711079	664412.1	76.9	5245.6	297994	251.643 ng/ml
Venlafaxine	5.076	3268038	2733.4	38.7	26706.7	703946	240.980 ng/ml
Zolpidem	5.231	4350993	13774.7	29.3	7258.1	818211	252.631 ng/ml

AM #28 Multi-Drug Quant. Results

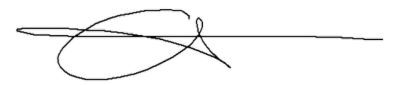
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Calibration Last Update 6/12/2020 9:57:53 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	MDQP1 5-27-20.m	Operator	Anne Nord
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2020 12:36:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	62125	3791.8	73.2	24704.1	33505	49.367 ng/ml
7-aminoclonazepam	4.313	1108993	3501.0	84.0	51001.7	86675	484.424 ng/ml
a-hydroxyalprazolam	5.697	213818	6287.6	63.2	2276.0	23198	486.129 ng/ml
alpha-PVP	4.453	4111397	31752.7	52.6	15127.8	350910	497.712 ng/ml
Alprazolam	5.776	1685047	954.9	107.5	17058.5	118570	496.902 ng/ml
Amphetamine	3.125	5304692	22781.4	50.8	27498.0	179553	475.866 ng/ml
Benzoylcegonine	3.910	123478	6145.5	8.2	1345.8	6372	529.041 ng/ml
Buprenorphine	5.830	34751	4652.6	15.4	1281.7	26834	51.381 ng/ml
Bupropion	4.883	4110265	99535.2	60.7	19560.4	304013	496.683 ng/ml
Carisoprodol	5.726	1293005	8097.1	61.7	5628.2	134255	485.660 ng/ml
Citalopram	5.261	1732181	53201.9	46.1	27836.7	157521	495.423 ng/ml
Clonazepam	5.620	1202751	17526.7	34.7	114594.1	42520	485.247 ng/ml
Cocaine	4.327	3067760	2499.9	45.3	15408.9	477237	496.234 ng/ml
Codeine	2.929	432940	2988.1	105.9	5619.9	52424	452.057 ng/ml
Cyclobenzaprine	5.637	2048557	216634.2	9.1	4030.3	158781	500.192 ng/ml
Dextromethorphan	5.300	1257176	150045.1	75.9	50566.9	122422	506.727 ng/ml
Dextrorphan	4.156	1168685	29297.2	215.1	296398.1	271795	497.572 ng/ml
Diazepam	5.947	1438710	39065.4	88.3	53282.0	141528	499.981 ng/ml
Dihydrocodeine	2.745	1262726	8376.2	63.6	14694.1	144180	490.519 ng/ml
Diphenhydramine	5.335	6555825	3886.7	33.5	104427.2	716049	490.017 ng/ml
Doxylamine	4.615	10589009	79144.1	96.6	3651.5	862472	506.764 ng/ml
EDDP	5.289	1573968	169076.7	235.3	17722.7	362059	501.299 ng/ml
Fentanyl	5.198	235286	4292.1	70.4	1601.2	238618	50.680 ng/ml
Hydrocodone	3.239	1463804	1272.1	38.5	10036.1	202911	464.947 ng/ml
Hydromorphone	1.898	1637372	33622.4	73.3	28268.1	104225	523.948 ng/ml
Ketamine	4.244	2478600	20953.1	37.3	2600.3	260476	476.656 ng/ml
Lamotrigine	4.391	242751	5504.4	89.3	10373.3	179553	511.973 ng/ml
Lorazepam	5.744	639724	3841.9	56.6	1807.4	145287	413.773 ng/ml
MDA	3.251	2651837	30214.4	27.8	7140.3	192137	483.064 ng/ml
MDMA	3.348	2772937	702.6	87.7	27917.0	62175	487.293 ng/ml
Meprobamate	4.935	1426046	793231.6	28.5	53734.8	121014	492.663 ng/ml
Methadone	5.667	4885924	44049.4	46.3	163414.1	469869	495.255 ng/ml
Methamphetamine	3.288	3388661	∞	40.8	7017.3	337582	471.066 ng/ml



AM #28 Multi-Drug Quant. Results

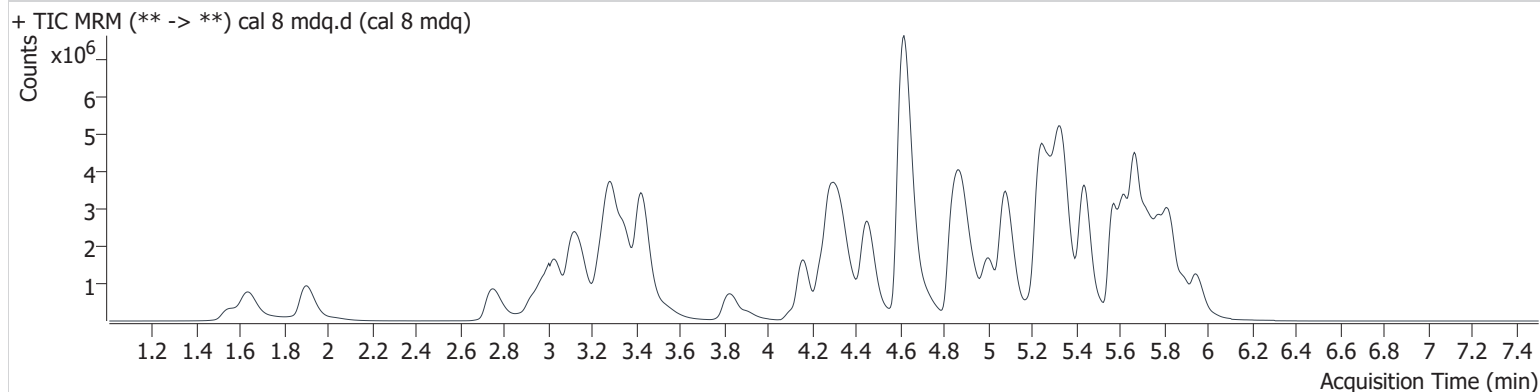
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.364	527886	5749.5	96.5	18475.5	121014	498.855 ng/ml
Mirtazapine	4.841	4691356	349701.3	46.6	10505.4	469869	492.412 ng/ml
Mitragynine	5.327	517852	9995.9	38.2	715.2	469869	481.901 ng/ml
Morphine	1.542	244925	17201.7	20.7	1091.1	7165	434.697 ng/ml
Norbuprenorphine	5.032	5828	1423.7	98.0	6315.4	5734	47.097 ng/ml
Nordiazepam	5.891	1230363	11240.2	60.6	179201.0	86109	493.125 ng/ml
Norfentanyl	4.117	79981	4497.7	285.4	679.1	596519	49.304 ng/ml
Norhydrocodone	3.128	53585	760.0	39.9	60.2	35155	733.843 ng/ml
Noroxycodone	2.979	1154332	3446.7	42.6	8321.2	94672	536.547 ng/ml
O-desmethyl-tramadol	3.425	7420072	125893.9	6.5	23077.7	777629	496.718 ng/ml
Oxazepam	5.751	1292023	7802.0	71.8	1066.8	145287	541.425 ng/ml
Oxycodone	3.029	3578985	24480.7	29.3	3866.2	323378	494.462 ng/ml
Oxymorphone	1.630	1987646	38175.1	44.5	26422.1	159670	498.773 ng/ml
Phentermine	3.826	1235562	1420.8	5.8	1427.0	309732	500.488 ng/ml
Promethazine	5.571	4080345	87110.1	32.7	4930.8	368682	486.761 ng/ml
Quetiapine	5.608	2032430	50111.0	60.7	19456.2	61447	486.960 ng/ml
Temazepam	5.818	3935680	116989.2	29.3	2651.0	346378	507.030 ng/ml
Tramadol	4.287	7236499	446323.4	3.5	4717.6	807210	483.587 ng/ml
Trazodone	5.432	3818061	577370.4	75.5	7081.1	332064	507.911 ng/ml
Venlafaxine	5.081	6104958	54715.2	38.1	15539.2	645777	490.404 ng/ml
Zolpidem	5.236	7698897	43102.6	29.1	26667.1	746882	490.230 ng/ml

AM #28 Multi-Drug Quant. Results

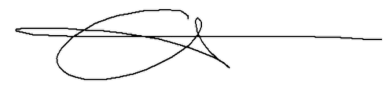
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Calibration Last Update 6/12/2020 9:57:53 AM

Instrument 69679 Data File cal 8 mdq.d
Type Cal Sample cal 8 mdq
Acq. Method MDQP1 5-27-20.m Operator Anne Nord
Sample Position P2-H1 Comment
Injection Volume 2
Acq. Date-Time 6/11/2020 12:57:36 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.268	73761	4184.6	79.3	4627.7	21705	90.545 ng/ml
7-aminoclonazepam	4.313	1306122	148643.4	83.6	97923.3	44241	1118.046 ng/ml
a-hydroxyalprazolam	5.692	259297	5393.9	62.9	5626.2	14848	921.422 ng/ml
alpha-PVP	4.448	7166851	23192.8	52.0	22071.1	304116	1001.590 ng/ml
Alprazolam	5.776	2398580	18443.3	106.9	32961.6	83142	1008.684 ng/ml
Amphetamine	3.120	7927289	29547.2	50.6	5633.1	143552	889.931 ng/ml
Benzoylcegonine	3.905	313414	9786.0	8.1	15759.1	7386	1158.676 ng/ml
Buprenorphine	5.830	68406	14003.5	15.3	3676.0	24420	112.077 ng/ml
Bupropion	4.883	7325328	751238.7	60.8	22185.1	271214	993.682 ng/ml
Carisoprodol	5.726	1508400	2449.9	60.9	44858.0	75297	1010.697 ng/ml
Citalopram	5.256	2112613	33012.2	47.0	9981.3	95072	1006.919 ng/ml
Clonazepam	5.620	1180487	52677.7	35.3	21873.3	22928	883.893 ng/ml
Cocaine	4.328	4912298	52055.5	44.8	27120.0	376292	1007.868 ng/ml
Codeine	2.929	677915	16645.7	111.7	16049.8	50323	737.785 ng/ml
Cyclobenzaprine	5.632	3177960	104645.0	9.3	14911.6	123853	1008.110 ng/ml
Dextromethorphan	5.300	1895664	168240.1	75.7	124829.0	91093	1035.824 ng/ml
Dextrorphan	4.156	2009758	540462.8	217.4	694636.9	232580	1001.285 ng/ml
Diazepam	5.947	2306128	69433.8	87.8	2904.4	113822	997.070 ng/ml
Dihydrocodeine	2.745	2276767	31742.3	64.0	12345.5	140077	910.736 ng/ml
Diphenhydramine	5.337	10757638	1568746.1	32.9	29962.2	565797	1022.281 ng/ml
Doxylamine	4.615	19354605	950204.3	96.5	529424.5	789247	1012.670 ng/ml
EDDP	5.289	2622052	1180013.8	234.3	618308.5	299489	1011.293 ng/ml
Fentanyl	5.193	459017	9837.1	71.1	11386.7	243530	98.275 ng/ml
Hydrocodone	3.234	2159977	8015.1	39.1	2574.1	169882	820.307 ng/ml
Hydromorphone	1.898	2953504	1405.4	73.3	14163.4	103787	949.659 ng/ml
Ketamine	4.239	3733212	45875.7	37.1	17768.3	214952	870.900 ng/ml
Lamotrigine	4.391	309228	7951.5	89.6	2783.7	143552	816.323 ng/ml
Lorazepam	5.744	523655	4235.5	54.5	1204.3	73842	667.201 ng/ml
MDA	3.246	2985399	10663.0	27.7	22629.3	124459	840.851 ng/ml
MDMA	3.348	4104968	176404.5	85.7	457165.1	44279	1013.847 ng/ml
Meprobamate	4.935	1930991	732824.4	28.6	25465.2	74176	1088.351 ng/ml
Methadone	5.667	8752003	24997.7	46.3	65640.4	411863	1018.982 ng/ml
Methamphetamine	3.288	6795099	13581.9	40.7	17768.0	332262	966.316 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.359	660300	22612.6	106.4	78708.4	74176	1018.495 ng/ml
Mirtazapine	4.836	8278849	48158.7	46.3	20926.5	411863	996.356 ng/ml
Mitragynine	5.327	790433	247571.6	38.8	351572.8	411863	847.060 ng/ml
Morphine	1.547	415191	368325.9	20.1	1571.0	7235	730.395 ng/ml
Norbuprenorphine	5.032	9980	6096.5	92.5	3558.1	4830	96.792 ng/ml
Nordiazepam	5.896	1798206	80103.2	59.8	14925.4	62354	995.840 ng/ml
Norfentanyl	4.117	141640	43710.7	292.3	9242.7	572144	91.093 ng/ml
Norhydrocodone	3.128	110842	1474.3	41.8	857.5	31491	1692.143 ng/ml
Noroxycodone	2.979	1384379	11775.9	43.6	6926.6	66024	924.387 ng/ml
O-desmethyl-tramadol	3.425	13085035	37678.0	6.4	24620.0	673361	1011.481 ng/ml
Oxazepam	5.751	1111135	34509.2	69.8	6409.7	73842	917.619 ng/ml
Oxycodone	3.024	6190024	10936.9	29.0	16625.8	274280	1008.416 ng/ml
Oxymorphone	1.630	3297818	3204.3	44.3	24432.5	133479	990.901 ng/ml
Phentermine	3.826	2189318	1976.6	5.6	5253.2	301071	912.493 ng/ml
Promethazine	5.569	7843974	1889996.5	31.2	13545.4	339104	1029.039 ng/ml
Quetiapine	5.610	3435296	1372162.0	59.3	1110690.4	49769	1018.862 ng/ml
Temazepam	5.823	5606394	270351.2	29.6	7338.8	234189	1068.311 ng/ml
Tramadol	4.283	11615903	1447882.7	3.4	1074.2	671769	933.474 ng/ml
Trazodone	5.432	7366628	1206242.7	75.5	2242861.4	330500	988.366 ng/ml
Venlafaxine	5.076	10792783	93231.6	37.3	37001.7	547952	1021.421 ng/ml
Zolpidem	5.236	12573413	98007.9	29.1	736070.6	638290	937.327 ng/ml