




















Worklist: 4514

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-2793	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3077	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3078	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3079	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3170	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3177	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3179	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3180	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3384	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3443	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2594	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2595	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2597	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2605	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2645	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2658	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2659	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2670	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2672	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 09/14/2020

Analyst: Celena Shrum

Plate lot#: 200513

Plate Expiration: 11/13/2020

Mobile phase A: 5mM Amm Form + 0.01% FA

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: 445283-4

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
Pipette ID: #42
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M 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: 067104
- 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: 067103*
- 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: QC 10 was reinjected due to varied ISTD responses and peak shapes.

Curve limits: Amphetamine: 5-250, Buprenorphine: 1-100, Lamotrigine: 5-250, ~~Lorazepam: 5-100~~, Lorazepam: 5-250, Meprobamate: 5-500, Metoprolol: 5-500, Mirtazapine: 5-100, Mitragynine: 5-500, Norbuprenorphine: 2.5-100*, Norfentanyl: 0.5-50.

*Curve is valid from 1-100 but cutoff is 2.5.

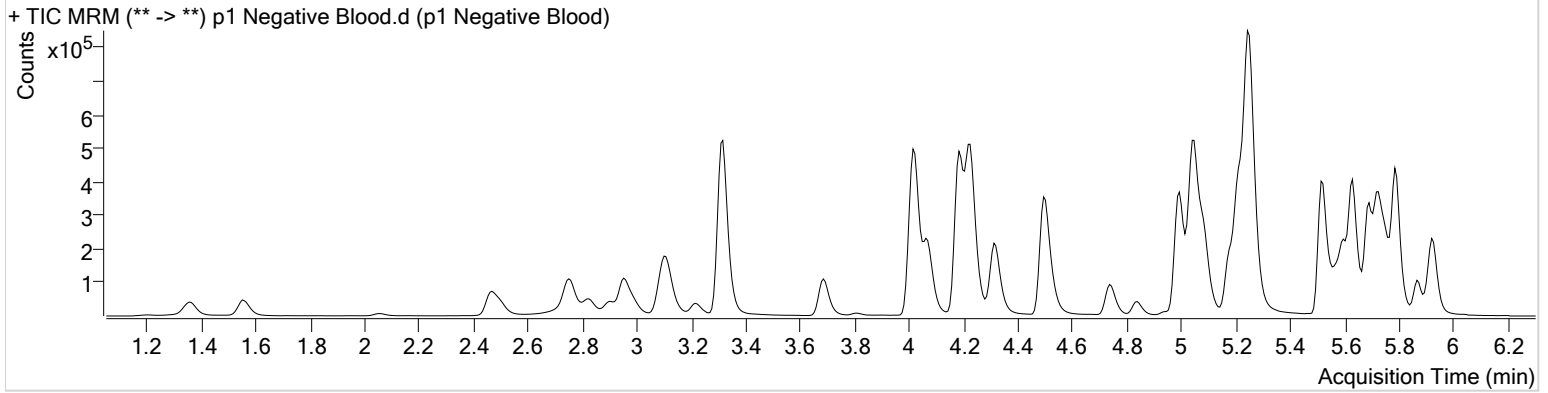
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-F6	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 11:51:42 PM		
Sample Info.			

Sample Chromatogram



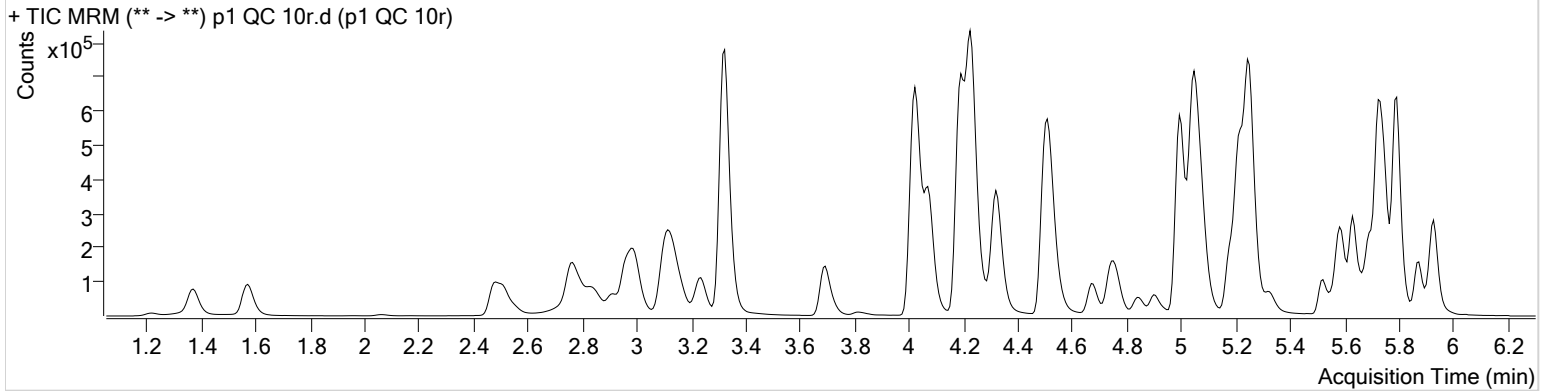
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 QC 10r.d
Type	QC	Sample	p1 QC 10r
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-A6	Comment	
Injection Volume	2		
Acq. Date-Time	9/15/2020 9:05:21 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	3688	1593.06	76.1	761.86	79204	0.9907 ng/ml
7-aminoclonazepam	4.237	68834	8138.05	79.6	104.70	258588	9.9472 ng/ml
a-hydroxyalprazolam	5.674	34312	429.09	63.4	875.63	82899	9.9701 ng/ml
alpha-PHP	4.902	42156	1299.21	258.5	6299.73	727398	12.4428 ng/ml
alpha-PVP	4.336	169020	1891.38	50.9	1375.43	727398	9.9606 ng/ml
Alprazolam	5.751	116170	1361.70	104.5	627.67	334898	10.1775 ng/ml
Amphetamine	2.997	175318	2325.26	46.9	1450.26	148381	9.8325 ng/ml
Benzoylecgonine	3.838	6584	∞	7.3	86.31	21821	10.3782 ng/ml
Buprenorphine	5.978	4404	103.37	15.6	∞	166664	1.0250 ng/ml
Bupropion	4.766	113156	479.62	60.6	377.38	347124	9.9553 ng/ml
Carisoprodol	5.700	59421	∞	53.8	71.53	288656	9.9118 ng/ml
Citalopram	5.183	85124	1346.98	39.5	22018.12	383341	9.7681 ng/ml
Clonazepam	5.581	137464	7346.63	33.6	50794.56	167853	9.8207 ng/ml
Cocaine	4.229	182962	16977.85	45.5	5198.85	1269378	10.1172 ng/ml
Codeine	2.556	20435	18017.64	101.5	49809.62	94354	9.5458 ng/ml
Cyclobenzaprine	5.605	18461	280.01	9.2	37.53	74506	10.1172 ng/ml
Dextromethorphan	5.226	41108	3628.16	81.3	2798.05	196214	10.0122 ng/ml
Dextrophan	4.077	48052	10217.60	211.0	∞	611227	10.1082 ng/ml
Diazepam	5.936	72608	2699.90	88.3	1202.81	343894	10.0859 ng/ml
Dihydrocodeine	2.515	50828	1113.49	66.4	3025.64	273401	10.1511 ng/ml
Diphenhydramine	5.253	137660	10554.28	33.5	6748.94	1163191	9.2985 ng/ml
Doxylamine	4.521	324178	12232.17	98.3	∞	1318297	10.0695 ng/ml
EDDP	5.218	144027	377.61	44.1	∞	797977	9.6247 ng/ml
Fentanyl	5.100	3302	253.64	75.4	5827.54	155511	0.8813 ng/ml
Fluoxetine	5.690	10223	∞	9.7	167.65	43093	9.1097 ng/ml
Hydrocodone	2.993	68039	210.30	38.9	145.09	413486	10.5397 ng/ml
Hydromorphone	1.581	58891	424.79	75.9	282.41	187799	10.0872 ng/ml
Ketamine	4.043	135133	404.16	40.9	322.65	589943	10.0182 ng/ml
Lamotrigine	4.259	12489	560.25	82.6	1879.78	589943	9.4532 ng/ml
Lorazepam	5.722	121313	7968.98	55.9	346.28	167853	9.8152 ng/ml
MDA	3.143	144881	3022.34	19.4	229.72	274852	10.8093 ng/ml
MDMA	3.237	126736	238132.26	61.7	1987.00	113390	10.1073 ng/ml
Meprobamate	4.862	22224	326.23	26.1	695.13	120298	10.3561 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	95050	3194.72	53.2	425.00	434351	10.4591 ng/ml
Methamphetamine	3.171	84471	793.72	40.2	∞	418323	9.4231 ng/ml
Metoprolol	4.285	28913	23204.31	94.5	∞	1572074	10.9767 ng/ml
Mirtazapine	4.670	166469	6739.43	49.1	873.22	727398	13.4219 ng/ml
Mitragynine	5.242	17059	2282.45	37.5	9671.66	434351	9.5342 ng/ml
Morphine	1.226	9940	3145.98	24.2	371.30	10588	9.8450 ng/ml
Norbuprenorphine	4.950	578	89.77	71.8	70.28	20599	1.1834 ng/ml *
Nordiazepam	5.876	69162	3065.94	57.0	914.85	220666	10.1662 ng/ml
Norfentanyl	4.037	26828	6261.38	37.2	840.25	1203969	1.0240 ng/ml
Norhydrocodone	3.021	7529	308.58	44.6	109.19	76498	9.8828 ng/ml
Noroxycodone	2.858	57727	2361.32	49.5	981.20	187628	10.4046 ng/ml
O-desmethyl-tramadol	3.323	326285	2256.16	5.7	501.53	1741835	9.8766 ng/ml
Oxazepam	5.732	131543	913.45	71.2	∞	781108	10.2191 ng/ml
Oxycodone	2.796	123639	774.29	30.8	∞	514622	10.2444 ng/ml
Oxymorphone	1.376	53293	1484.39	48.7	∞	186268	10.2486 ng/ml
Phentermine	3.729	29967	467.06	2.9	47.00	395210	10.6180 ng/ml
Promethazine	5.522	42270	1507.60	30.3	186.06	189082	9.4612 ng/ml
Quetiapine	5.586	75025	∞	61.2	97426.46	100786	9.9981 ng/ml
Sertraline	5.765	4195	1718.34	90.5	195.31	16585	10.1745 ng/ml
Temazepam	5.799	214913	7063.53	29.8	346.47	1077187	9.9140 ng/ml
Tramadol	4.205	311765	9510.10	3.3	617.63	1572074	9.9212 ng/ml
Trazodone	5.323	73422	∞	80.8	∞	309211	10.1193 ng/ml
Venlafaxine	4.994	239043	23851.97	36.3	348.62	1241906	10.5200 ng/ml
Zolpidem	5.067	349208	∞	30.1	49310.56	1692949	9.9627 ng/ml

*Outside curve range

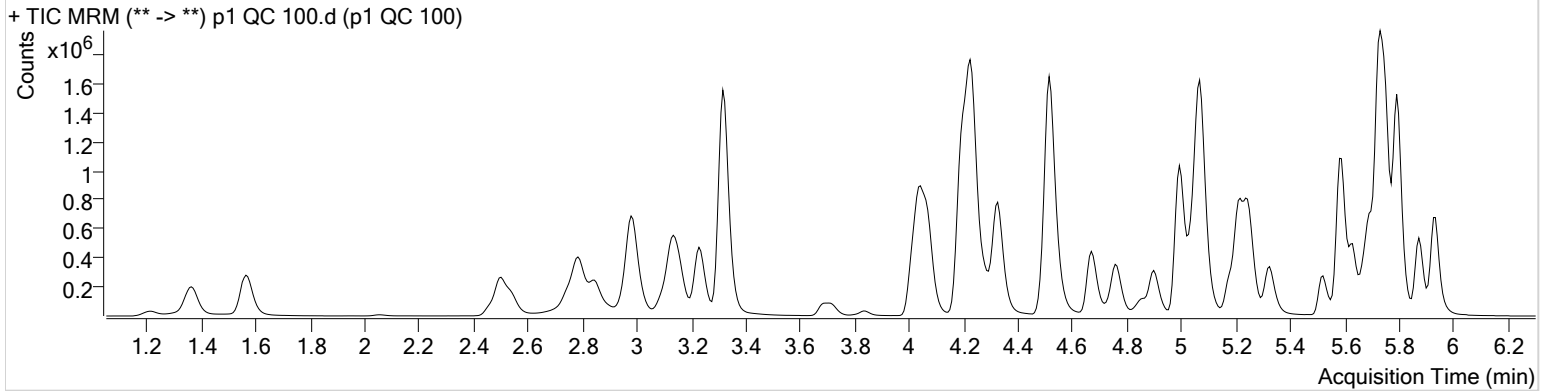
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-B6	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 10:26:51 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	28698	2179.04	72.0	666.37	60005	10.4018 ng/ml
7-aminoclonazepam	4.237	524073	∞	81.4	∞	191251	101.6701 ng/ml
a-hydroxyalprazolam	5.668	272258	2340.95	61.8	718.10	63323	107.5014 ng/ml
alpha-PHP	4.902	216891	14734.48	266.5	155036.49	455605	96.5965 ng/ml
alpha-PVP	4.329	1095309	23911.68	49.6	1085.99	455605	104.4214 ng/ml
Alprazolam	5.751	948336	4856.62	102.8	∞	245941	105.0136 ng/ml
Amphetamine	2.983	896106	8834.74	47.7	14356.21	84637	110.7353 ng/ml
Benzoylcegonine	3.838	54693	367.06	8.0	236.87	18088	102.0034 ng/ml
Buprenorphine	5.971	16982	∞	15.6	∞	61717	10.6839 ng/ml
Bupropion	4.766	531129	41182.04	62.1	4376.87	166109	103.6286 ng/ml
Carisoprodol	5.700	502440	953300.01	54.7	668.80	237023	106.3353 ng/ml
Citalopram	5.183	365622	1617.85	41.9	6174.20	157478	104.2109 ng/ml
Clonazepam	5.581	1123438	5832.01	32.9	1948.98	130398	109.4953 ng/ml
Cocaine	4.223	1361107	51107.41	45.0	51802.86	903977	103.6041 ng/ml
Codeine	2.543	156898	1242.78	105.0	502.21	68420	98.5850 ng/ml
Cyclobenzaprine	5.598	166681	44466.17	9.5	1471.95	65312	102.3516 ng/ml
Dextromethorphan	5.219	179856	9404.05	80.8	1468.60	81870	102.6228 ng/ml
Dextrorphan	4.070	294476	20159.21	208.5	5454.89	365413	99.7377 ng/ml
Diazepam	5.936	628553	8117.91	87.1	2174.15	283129	107.0881 ng/ml
Dihydrocodeine	2.502	403777	798.46	64.5	1331.48	212248	109.6720 ng/ml
Diphenhydramine	5.253	618464	7964.19	32.4	1284.59	459087	105.2199 ng/ml
Doxylamine	4.514	2136651	33221.75	97.3	112175.15	843570	104.9052 ng/ml
EDDP	5.211	777368	20269.46	43.8	381.17	407015	101.3618 ng/ml
Fentanyl	5.100	18780	385.47	65.3	85082.65	83185	9.5290 ng/ml
Fluoxetine	5.690	156928	12802.41	8.9	15852.66	62099	107.1062 ng/ml
Hydrocodone	2.986	495725	∞	39.4	2321.58	299491	114.1899 ng/ml
Hydromorphone	1.567	456739	∞	76.0	2800.04	144618	103.3259 ng/ml
Ketamine	4.043	1040455	∞	40.1	1329.71	437354	109.7940 ng/ml
Lamotrigine	4.259	105639	3786.25	81.7	2195.91	437354	108.4882 ng/ml
Lorazepam	5.722	874540	∞	56.8	8420.55	130398	114.7097 ng/ml
MDA	3.137	851078	15222.11	19.5	3075.37	161679	113.0025 ng/ml
MDMA	3.231	774877	271448.18	61.5	10733.25	66011	107.9372 ng/ml
Meprobamate	4.862	191887	9401.35	26.6	976.51	104323	107.3648 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	432088	22340.48	54.3	13667.86	195851	103.3314 ng/ml
Methamphetamine	3.158	439957	2009.35	42.2	1621.69	228597	111.0533 ng/ml
Metoprolol	4.285	191529	∞	96.1	3393.25	1105023	102.0256 ng/ml
Mirtazapine	4.670	802118	29581.48	49.7	31636.64	455605	91.4583 ng/ml
Mitragynine	5.235	84097	7065.41	37.8	2639.13	195851	105.8676 ng/ml
Morphine	1.213	79061	643.52	23.7	493.72	8191	105.5042 ng/ml
Norbuprenorphine	4.944	1911	161.76	81.4	63.83	7374	11.4560 ng/ml
Nordiazepam	5.876	607165	2234.66	57.8	9149.28	185911	108.0217 ng/ml
Norfentanyl	4.037	178914	11766.76	36.7	1708.34	809009	10.7728 ng/ml
Norhydrocodone	3.014	52372	577.90	42.7	171.23	47526	98.4498 ng/ml
Noroxycodone	2.845	437473	1577.60	49.5	1332.65	138449	106.5755 ng/ml
O-desmethyl-tramadol	3.317	2687685	5099.25	6.1	10157.99	1352815	104.3660 ng/ml
Oxazepam	5.732	1001149	9589.21	70.5	7171.65	558232	113.1061 ng/ml
Oxycodone	2.782	1002731	10995.57	31.2	2419.83	405911	107.8892 ng/ml
Oxymorphone	1.363	418537	1318.00	47.9	∞	148239	103.5017 ng/ml
Phentermine	3.723	162945	1777.51	2.9	302.83	217443	114.4104 ng/ml
Promethazine	5.522	378507	4988.14	30.9	10730.37	160291	104.7856 ng/ml
Quetiapine	5.586	466805	33575.59	59.9	472944.47	59328	112.0664 ng/ml
Sertraline	5.765	77672	1353.89	93.0	24405.52	30923	104.5907 ng/ml
Temazepam	5.793	1757598	∞	30.3	4442.42	846588	102.4973 ng/ml
Tramadol	4.197	2303552	4366.84	3.4	893.78	1105023	107.8682 ng/ml
Trazodone	5.323	479693	11735.29	79.7	∞	184784	93.5123 ng/ml
Venlafaxine	4.994	1501081	3710.36	36.2	1407.78	724876	107.5929 ng/ml
Zolpidem	5.067	2858955	222312.13	31.0	42601.57	1333804	107.5238 ng/ml

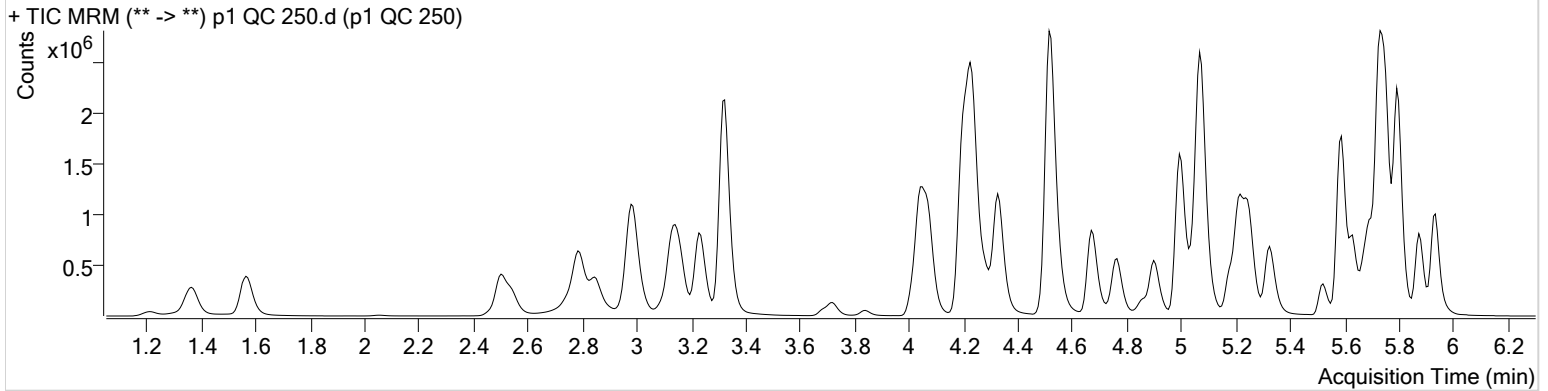
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-C6	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 10:48:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	47252	2856.06	69.2	13088.83	40118	25.6538 ng/ml
7-aminoclonazepam	4.237	787280	2875.73	82.8	9516.73	119678	243.9625 ng/ml
a-hydroxyalprazolam	5.674	452742	5384.19	62.0	1716.17	44581	254.4913 ng/ml
alpha-PHP	4.902	381109	9164.04	266.0	33027.95	327740	234.8327 ng/ml
alpha-PVP	4.329	1868472	41753.28	49.8	4304.75	327740	247.8280 ng/ml
Alprazolam	5.751	1542005	2958.90	105.4	3542.76	161675	258.5679 ng/ml
Amphetamine	2.983	1578359	31101.92	48.5	18289.50	65502	255.6476 ng/ml
Benzoylecgonine	3.838	92289	2420.62	7.6	840.42	12095	257.0700 ng/ml
Buprenorphine	5.978	29729	529.83	15.8	∞	45817	25.1961 ng/ml
Bupropion	4.766	899868	2652.88	61.4	1548.07	117721	248.6846 ng/ml
Carisoprodol	5.700	787572	4841.58	54.9	8471.53	157223	251.9052 ng/ml
Citalopram	5.183	694196	1126.50	41.4	1850.74	127733	244.2337 ng/ml
Clonazepam	5.581	1794721	45216.14	32.4	39316.02	88230	259.4065 ng/ml
Cocaine	4.223	2288627	222342.71	44.8	187197.80	625189	251.5714 ng/ml
Codeine	2.543	259933	1064.94	104.8	1360.80	46758	238.6226 ng/ml
Cyclobenzaprine	5.605	227385	1397.38	9.9	5719.42	37979	239.8487 ng/ml
Dextromethorphan	5.219	303909	481.80	80.5	740.44	56682	250.1046 ng/ml
Dextrophan	4.077	530827	∞	211.0	96751.03	271426	241.4462 ng/ml
Diazepam	5.936	1054724	1821.35	87.4	13552.77	201947	252.0799 ng/ml
Dihydrocodeine	2.502	687223	2190.12	64.9	62373.82	149911	265.1627 ng/ml
Diphenhydramine	5.253	1107520	19864.53	32.6	9490.18	341857	252.9528 ng/ml
Doxylamine	4.514	3892762	86321.85	98.5	302702.58	635174	254.0154 ng/ml
EDDP	5.218	1368581	4362.65	43.0	402760.02	297952	243.7003 ng/ml
Fentanyl	5.100	28219	2378.89	64.1	35565.77	51101	23.3317 ng/ml
Fluoxetine	5.690	185365	1307.84	8.4	15948.16	31050	254.4466 ng/ml
Hydrocodone	2.986	809581	∞	39.9	201.40	214402	261.6523 ng/ml
Hydromorphone	1.567	682200	1024.82	78.1	1067.14	91082	245.3069 ng/ml
Ketamine	4.043	1710786	∞	39.5	1632.01	303456	261.0276 ng/ml
Lamotrigine	4.259	173654	3571.37	82.6	18564.89	303456	257.1098 ng/ml
Lorazepam	5.722	1349187	8056.65	57.4	13800.43	88230	265.1993 ng/ml
MDA	3.137	1457631	22666.95	19.1	3080.99	119965	261.5701 ng/ml
MDMA	3.231	1386898	223735.06	61.7	∞	48224	264.7165 ng/ml
Meprobamate	4.862	301217	1810.28	26.3	355.04	70815	248.9065 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	792887	48595.32	52.7	15558.34	147741	251.0258 ng/ml
Methamphetamine	3.165	855668	4280.05	42.3	1755.07	185464	269.6958 ng/ml
Metoprolol	4.285	328924	523283.71	97.3	3876.99	794057	243.5974 ng/ml
Mirtazapine	4.670	1526109	69541.46	49.7	92585.35	327740	238.9980 ng/ml*
Mitragynine	5.242	147131	2951.03	38.6	29436.89	147741	245.7479 ng/ml
Morphine	1.213	106039	308.32	23.9	278.29	4590	253.1648 ng/ml
Norbuprenorphine	4.944	3140	104.33	81.7	4553.12	5688	24.4771 ng/ml
Nordiazepam	5.876	1020582	1972.88	58.2	2532.49	130938	258.1126 ng/ml
Norfentanyl	4.037	314580	51821.49	37.1	13999.37	593729	25.9047 ng/ml
Norhydrocodone	3.014	82660	118.58	43.6	191.07	29208	250.9596 ng/ml
Noroxycodone	2.852	725468	1545.01	49.1	7664.45	96104	254.5661 ng/ml
O-desmethyl-tramadol	3.323	4544574	6908.05	5.9	1417.56	938785	254.2422 ng/ml
Oxazepam	5.732	1554452	∞	72.9	23740.26	378174	259.8044 ng/ml
Oxycodone	2.782	1696804	2969.39	31.6	2176.18	286447	259.0938 ng/ml
Oxymorphone	1.363	676560	1000.24	47.0	1084.92	97357	255.1396 ng/ml
Phentermine	3.723	304494	3843.00	2.9	394.06	168862	276.8073 ng/ml
Promethazine	5.522	499527	3288.07	31.5	2446.71	89682	247.8551 ng/ml
Quetiapine	5.586	964023	∞	59.7	∞	51958	265.1664 ng/ml
Sertraline	5.765	91577	720.91	90.6	1426.68	14722	259.6074 ng/ml
Temazepam	5.799	3089869	10390.14	29.6	1596.43	601004	253.7164 ng/ml
Tramadol	4.197	3997787	40594.20	3.3	2461.13	794057	261.0488 ng/ml
Trazodone	5.323	1005732	∞	77.6	∞	159115	225.2161 ng/ml
Venlafaxine	4.994	2738567	4636.14	35.9	1467.90	552639	256.6714 ng/ml
Zolpidem	5.067	5056216	263353.91	30.5	∞	978589	259.7883 ng/ml

*Outside curve range.

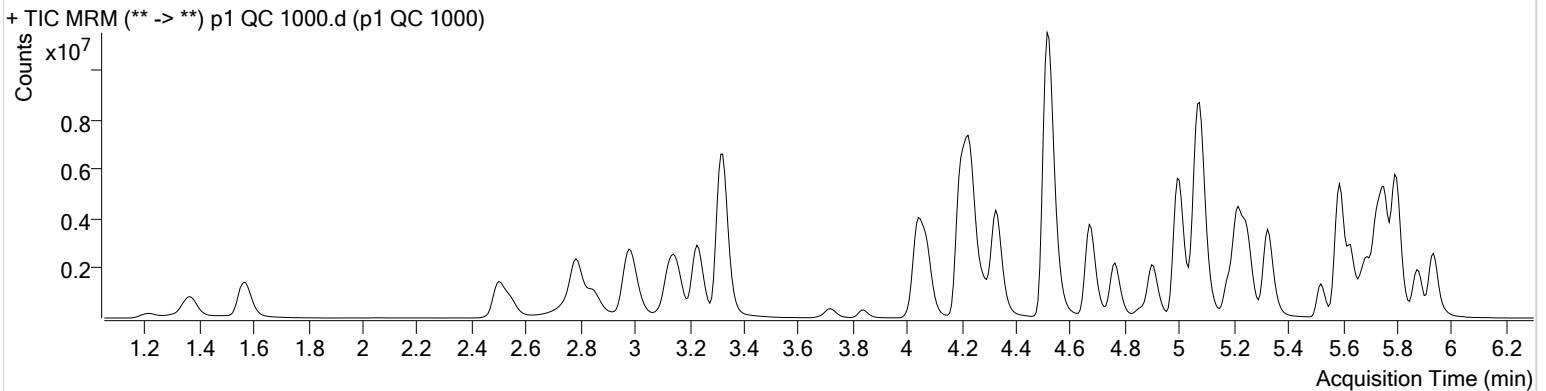


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument Falco Data File p1 QC 1000.d
Type QC Sample p1 QC 1000
Acq. Method MDQ P1 060520.m Operator Celena Shrum
Sample Position P5-D6 Comment
Injection Volume 2
Acq. Date-Time 9/14/2020 11:09:16 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	238736	4550.09	71.6	42979.36	53422	97.4020 ng/ml
7-aminoclonazepam	4.237	2035807	49570.31	81.1	207495.23	75936	994.0187 ng/ml
a-hydroxyalprazolam	5.668	1380638	794.17	62.8	1519.28	37770	917.1169 ng/ml
alpha-PHP	4.902	1564159	∞	267.4	21644.79	326175	966.0021 ng/ml
alpha-PVP	4.329	7544563	6989.58	49.0	138455.46	326175	1005.9345 ng/ml
Alprazolam	5.751	4832576	2965.40	105.1	∞	124249	1051.9547 ng/ml
Amphetamine	2.984	4035955	39225.46	49.1	41272.65	69912	616.4381 ng/ml*
Benzoylecgonine	3.838	580678	6440.07	7.7	26419.13	16315	1198.2548 ng/ml
Buprenorphine	5.978	104580	∞	15.7	∞	37102	109.4587 ng/ml
Bupropion	4.766	3649128	128783.38	60.8	25683.35	121019	982.9772 ng/ml
Carisoprodol	5.700	2129416	1079.21	54.5	7785.56	112313	954.7253 ng/ml
Citalopram	5.183	2616259	1545.81	42.0	2044.05	118030	996.8022 ng/ml
Clonazepam	5.581	4458596	∞	32.8	47466.39	67516	843.6071 ng/ml
Cocaine	4.229	8596627	327945.52	43.4	245038.14	562314	1049.9207 ng/ml
Codeine	2.543	985038	∞	103.8	649.48	40083	1053.9776 ng/ml
Cyclobenzaprine	5.605	902189	∞	9.9	890.17	36428	991.5283 ng/ml
Dextromethorphan	5.226	1036657	64799.10	78.6	15361.72	48452	997.2945 ng/ml
Dextrophan	4.077	1760041	10814.19	212.9	9187.75	215783	1005.6578 ng/ml
Diazepam	5.936	3313658	17038.04	87.5	∞	161025	993.5549 ng/ml
Dihydrocodeine	2.502	2731387	2845.75	65.2	51998.20	183725	861.3428 ng/ml
Diphenhydramine	5.253	4391774	88187.57	32.3	1117.73	332803	1030.1648 ng/ml
Doxylamine	4.514	17634612	527830.06	97.3	∞	744689	981.8561 ng/ml
EDDP	5.218	6322521	1641.94	41.7	867.71	334359	1003.0906 ng/ml
Fentanyl	5.100	111408	821.03	66.4	12179.67	40841	115.3178 ng/ml
Fluoxetine	5.690	666097	59868.21	8.8	3794.27	27559	1033.3206 ng/ml
Hydrocodone	2.980	2962935	1128.11	39.4	545.28	239357	859.8231 ng/ml
Hydromorphone	1.567	2908489	1327.33	80.3	∞	102402	930.7600 ng/ml
Ketamine	4.043	6592823	2025.63	38.8	44818.88	334933	912.9060 ng/ml
Lamotrigine	4.259	494811	2884.78	80.1	3751.77	334933	663.8529 ng/ml*
Lorazepam	5.722	1875906	∞	56.1	11096.87	67516	484.1886 ng/ml*
MDA	3.130	4326556	56134.78	17.8	32843.99	101237	921.4394 ng/ml
MDMA	3.231	5391547	480258.94	60.2	190256.82	48544	1022.8338 ng/ml
Meprobamate	4.869	900632	∞	25.7	18158.41	70899	744.2846 ng/ml*

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	3212143	3201.57	51.8	953657.27	152042	987.5076 ng/ml
Methamphetamine	3.158	2853036	21434.75	42.0	14746.64	172301	974.3853 ng/ml
Metoprolol	4.285	1109593	2216583.63	96.3	∞	821458	793.9607 ng/ml*
Mirtazapine	4.670	6992014	439752.53	48.8	273732.56	326175	1093.8958 ng/ml*
Mitragynine	5.242	476836	14473.23	38.4	14114.80	152042	774.2678 ng/ml*
Morphine	1.220	520153	∞	24.0	∞	5820	980.6117 ng/ml
Norbuprenorphine	4.950	12157	577.69	86.6	3644.97	5639	95.7846 ng/ml
Nordiazepam	5.876	2971462	∞	57.9	4382.38	100473	979.9952 ng/ml
Norfentanyl	4.030	1021072	95714.26	37.4	4434.50	690284	72.4435 ng/ml*
Norhydrocodone	3.014	304576	1025.38	41.5	73.97	24204	1111.7607 ng/ml
Noroxycodone	2.852	2192711	403.19	49.0	4297.85	69849	1058.5333 ng/ml
O-desmethyl-tramadol	3.323	18145575	890140.32	5.8	61504.41	927928	1026.8949 ng/ml
Oxazepam	5.726	2699545	6544.36	71.3	4500.88	178572	956.7059 ng/ml
Oxycodone	2.782	7519956	19125.32	31.1	19856.06	344646	955.0987 ng/ml
Oxymorphone	1.363	2558000	3155.92	47.4	1793.83	100405	936.0846 ng/ml
Phentermine	3.723	1037184	8488.16	2.7	1799.05	168711	946.2906 ng/ml
Promethazine	5.522	2394297	98257.89	30.7	3308.80	105054	1015.7362 ng/ml
Quetiapine	5.586	4411218	236370.08	58.6	588997.09	62459	1011.2387 ng/ml
Sertraline	5.765	253627	711.96	91.4	8196.91	10094	1049.8425 ng/ml
Temazepam	5.799	9896850	46631.54	28.6	113070.25	476749	1024.2398 ng/ml
Tramadol	4.197	14852589	20902.95	3.3	20908.37	821458	938.4732 ng/ml
Trazodone	5.323	5337707	∞	78.4	∞	193728	975.9370 ng/ml
Venlafaxine	4.994	11452243	40882.97	34.7	5197.62	551986	1072.8038 ng/ml
Zolpidem	5.074	20011290	346981.13	30.0	461819.60	1094734	920.1760 ng/ml

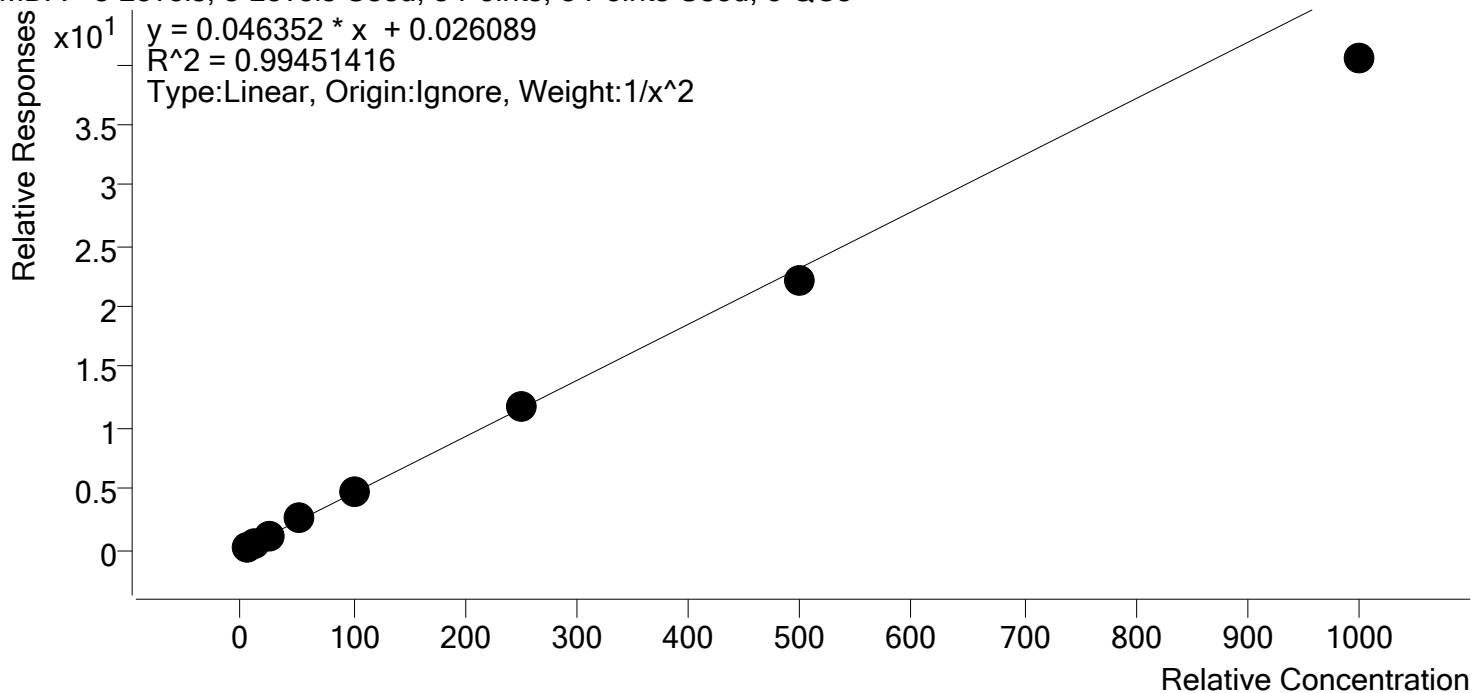
*Outside curve range.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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

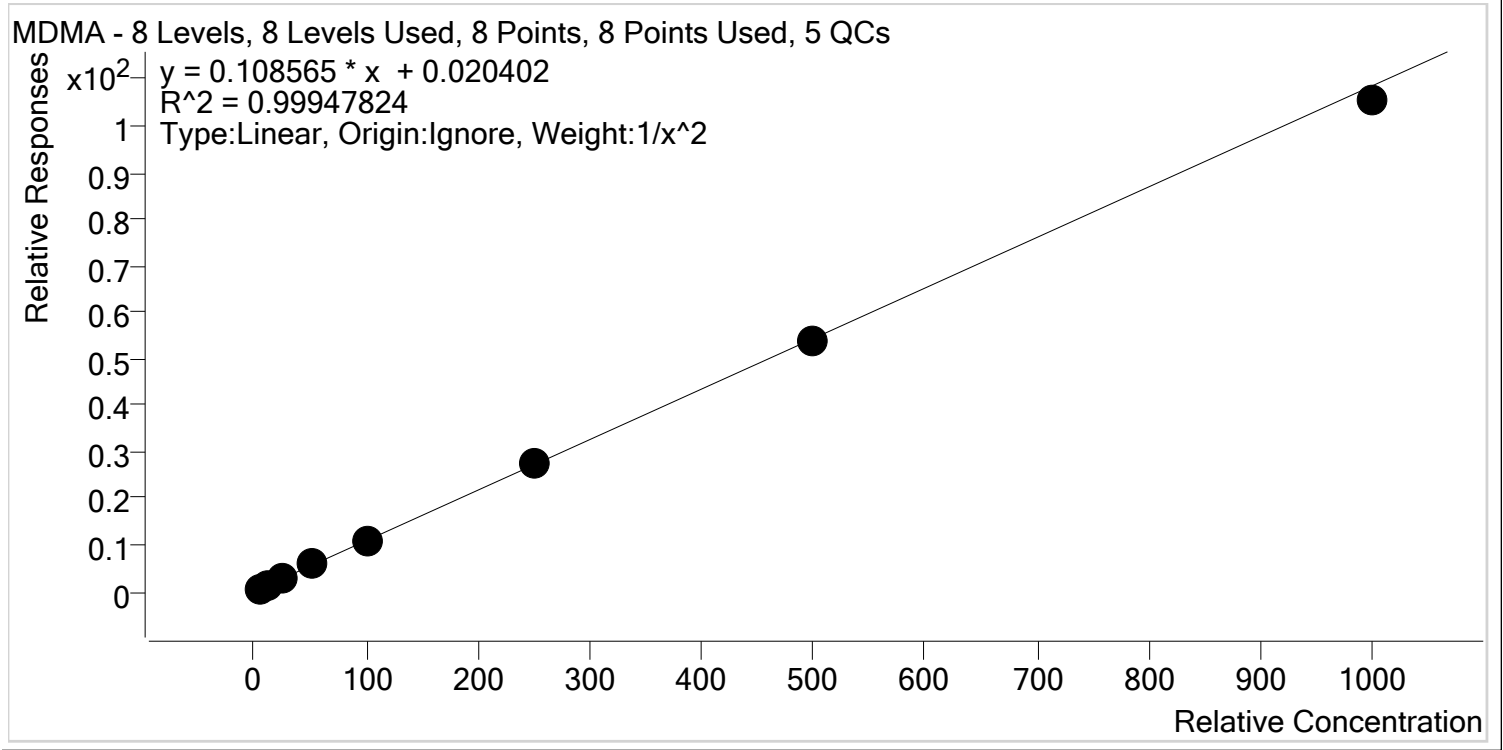


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	477.6	95.5
p1 Cal 8-1000ng	8	✓	1000.0	871.4	87.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

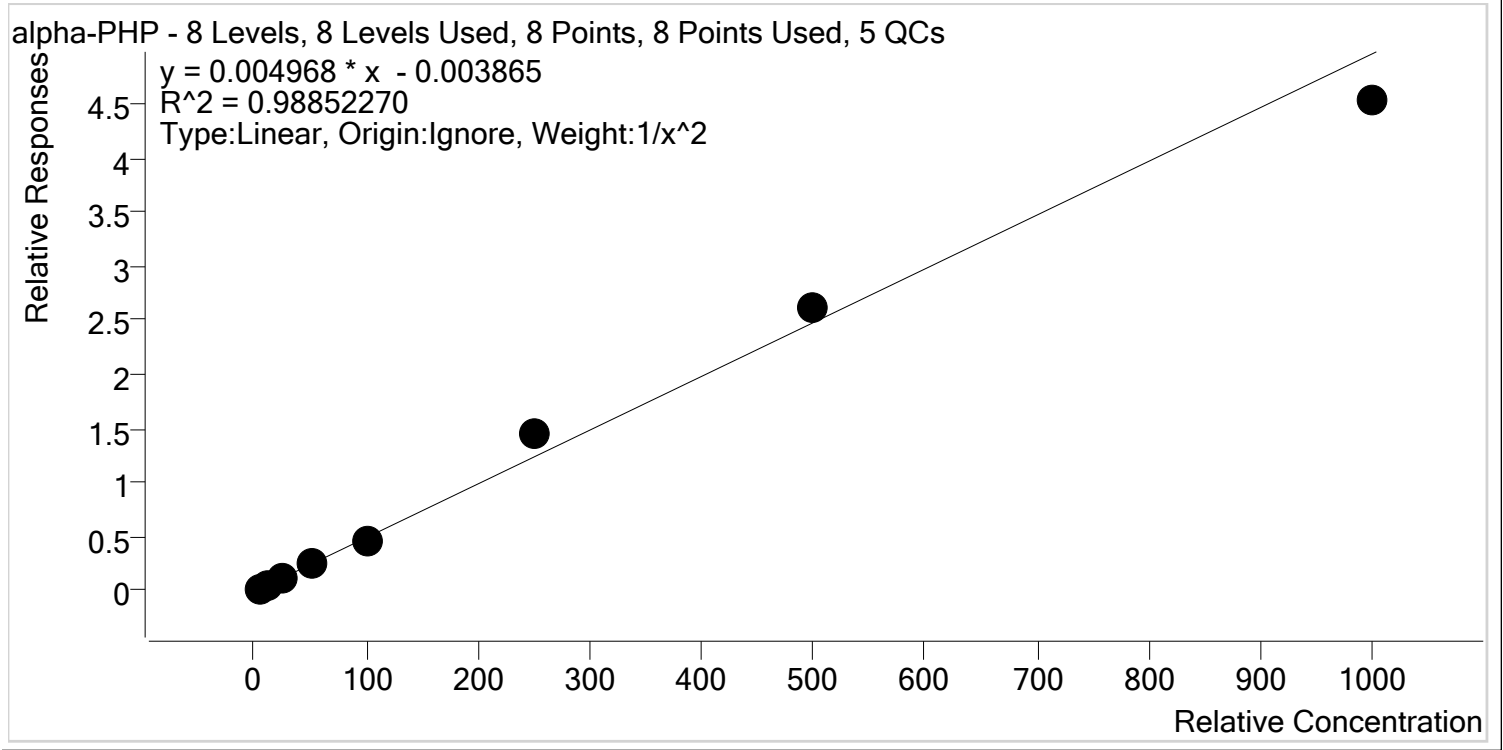


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✓	1000.0	970.9	97.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

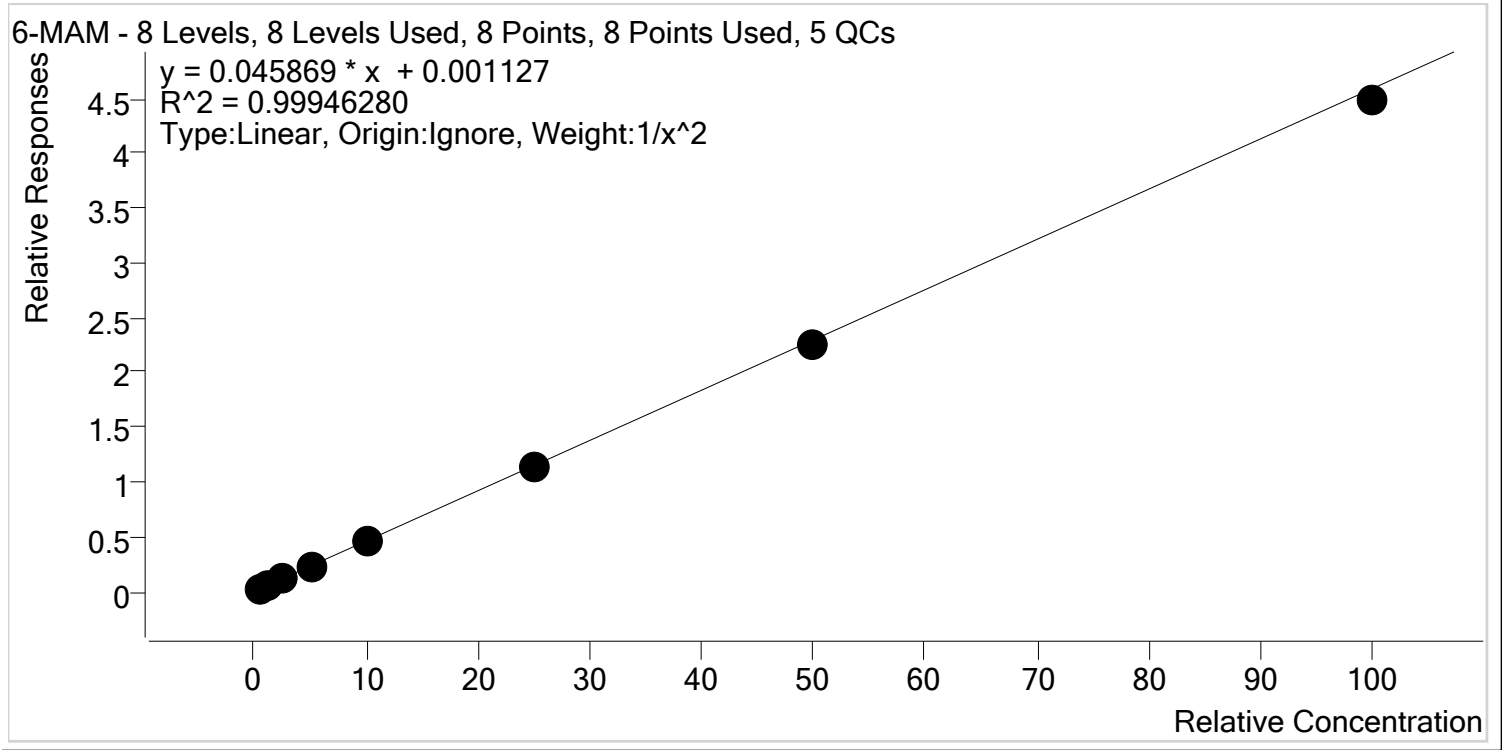


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	22.0	87.8
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	296.4	118.6
p1 Cal 7-500ng	7	✓	500.0	524.7	104.9
p1 Cal 8-1000ng	8	✓	1000.0	913.0	91.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

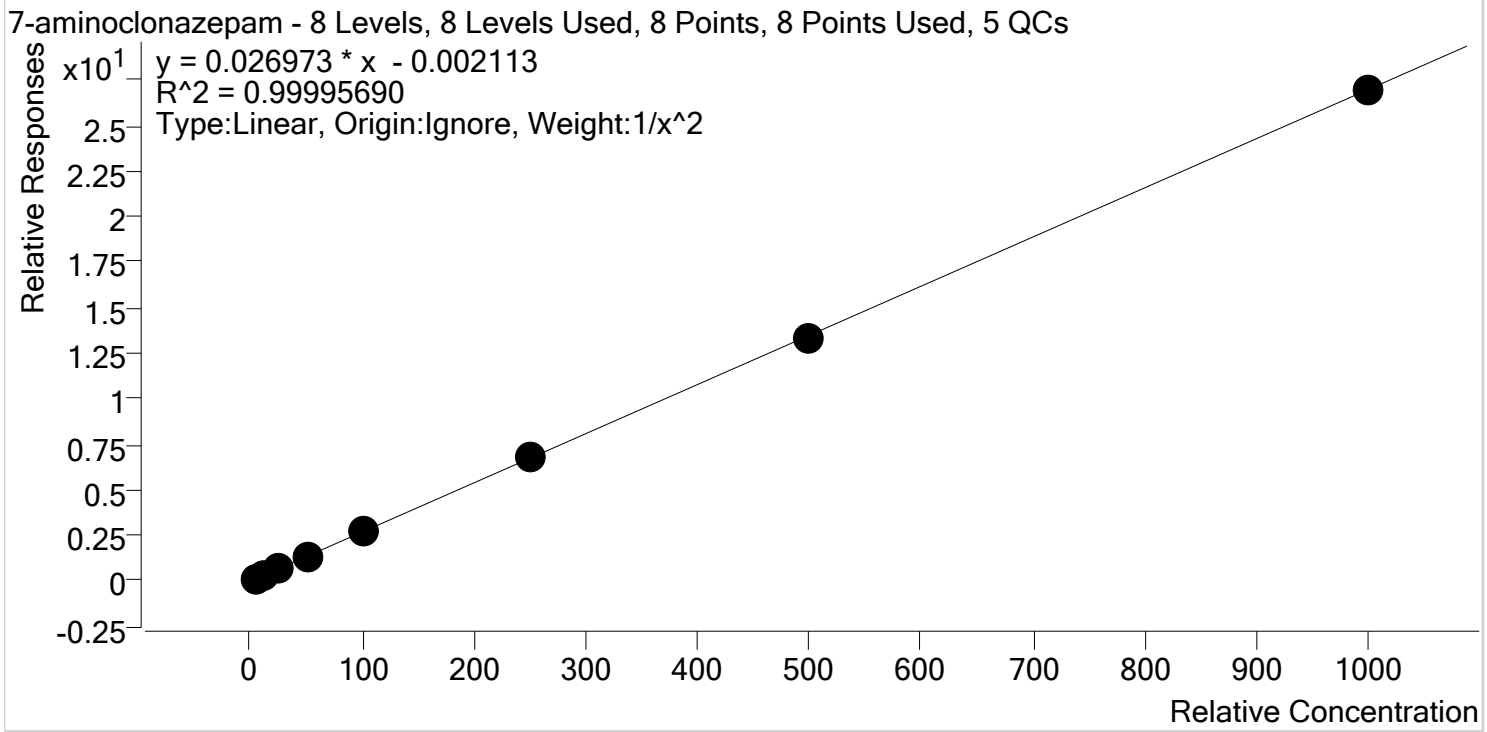


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.1
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	10.0	99.9
p1 Cal 6-250ng	6	✓	25.0	24.9	99.7
p1 Cal 7-500ng	7	✓	50.0	49.3	98.7
p1 Cal 8-1000ng	8	✓	100.0	97.6	97.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



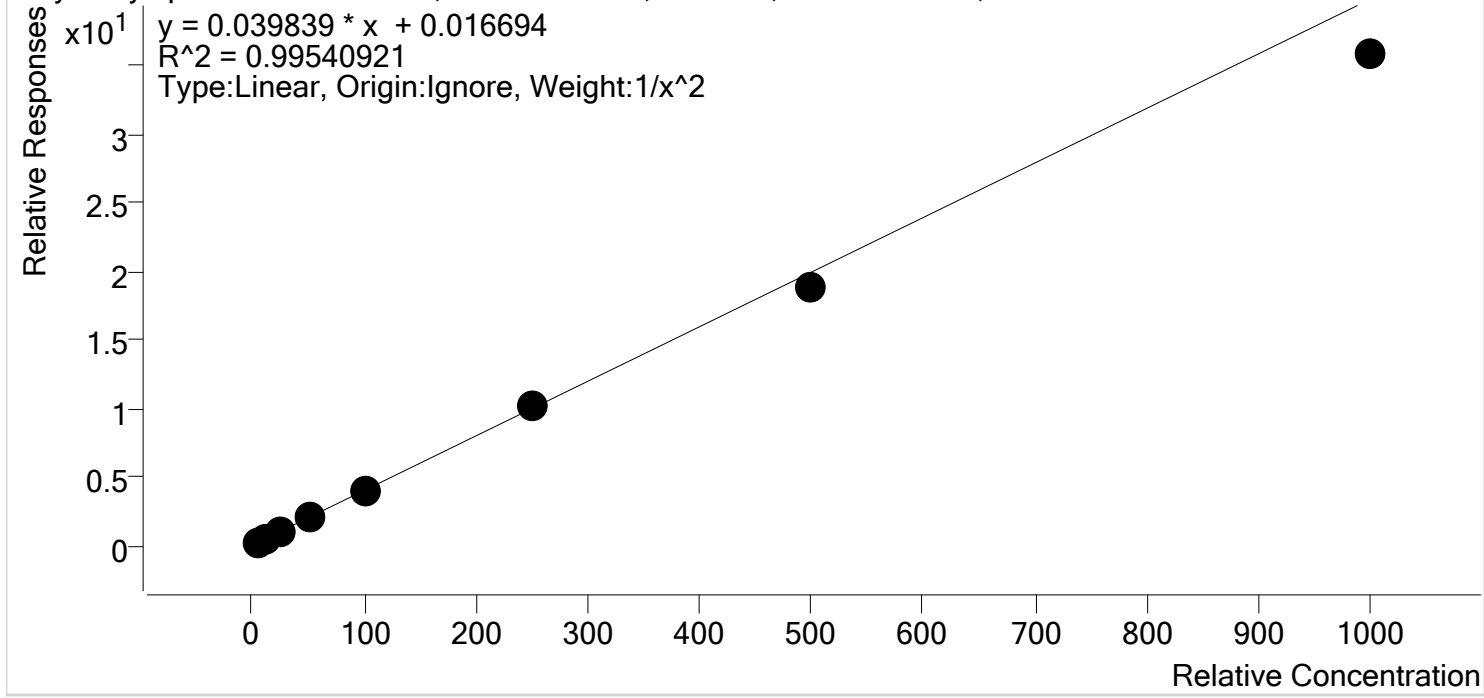
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	997.8	99.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

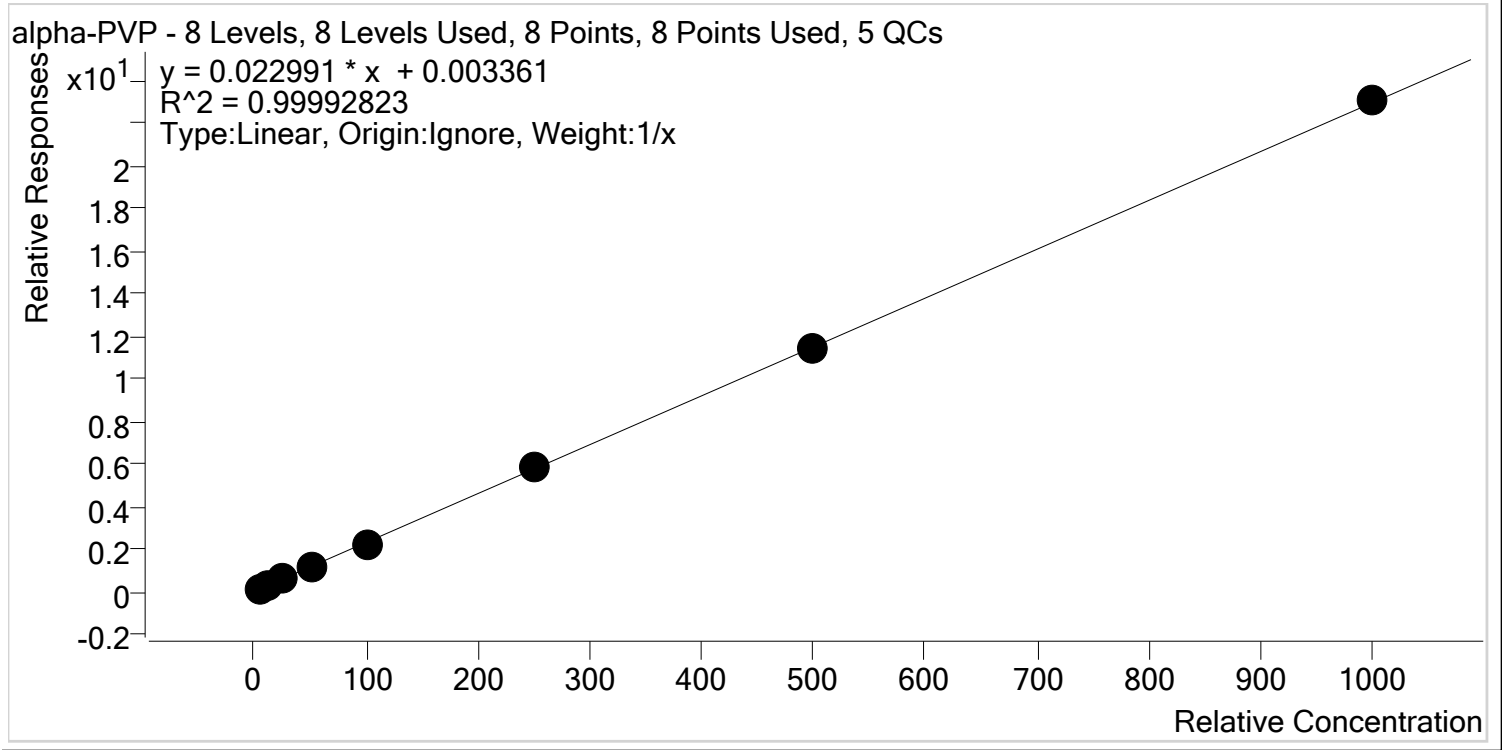


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	471.0	94.2
p1 Cal 8-1000ng	8	✓	1000.0	899.3	89.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

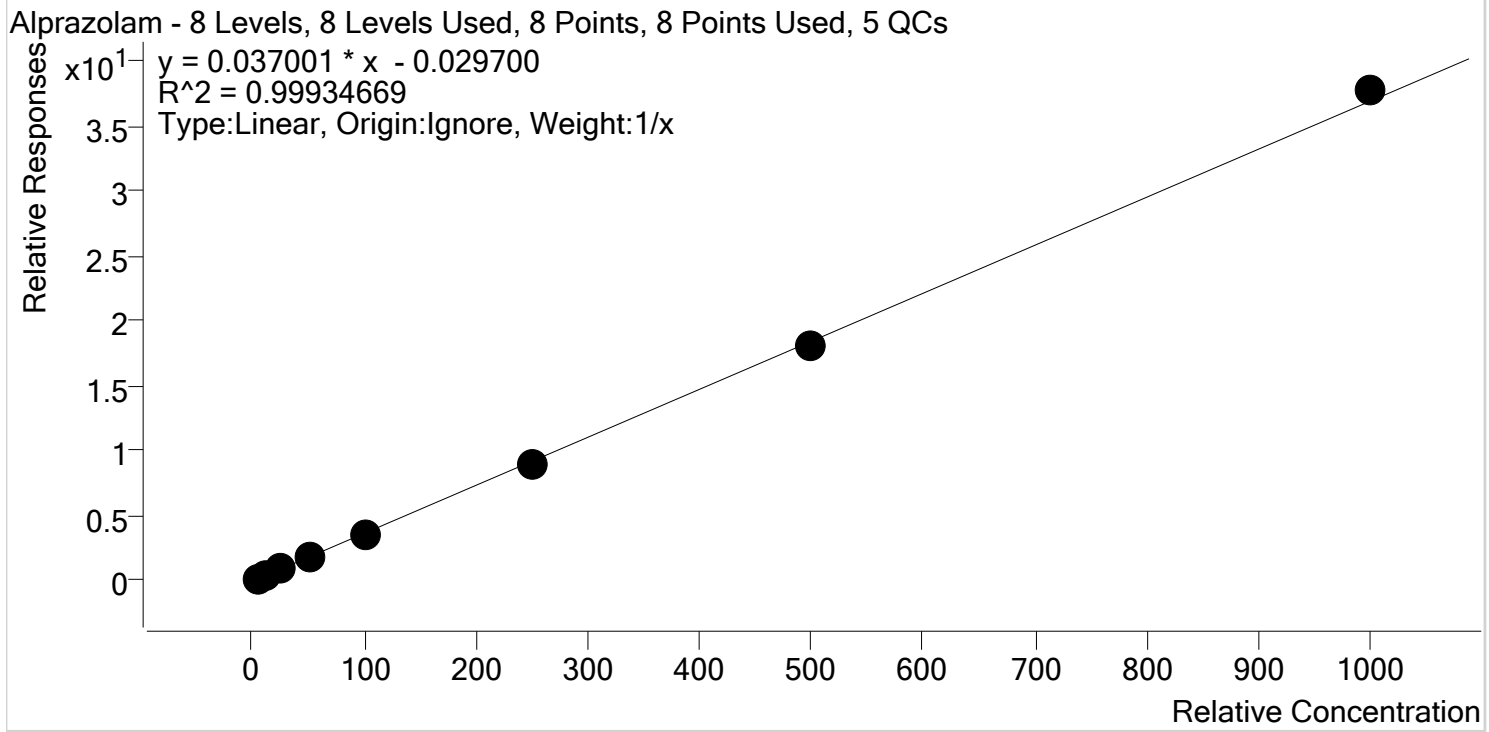


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

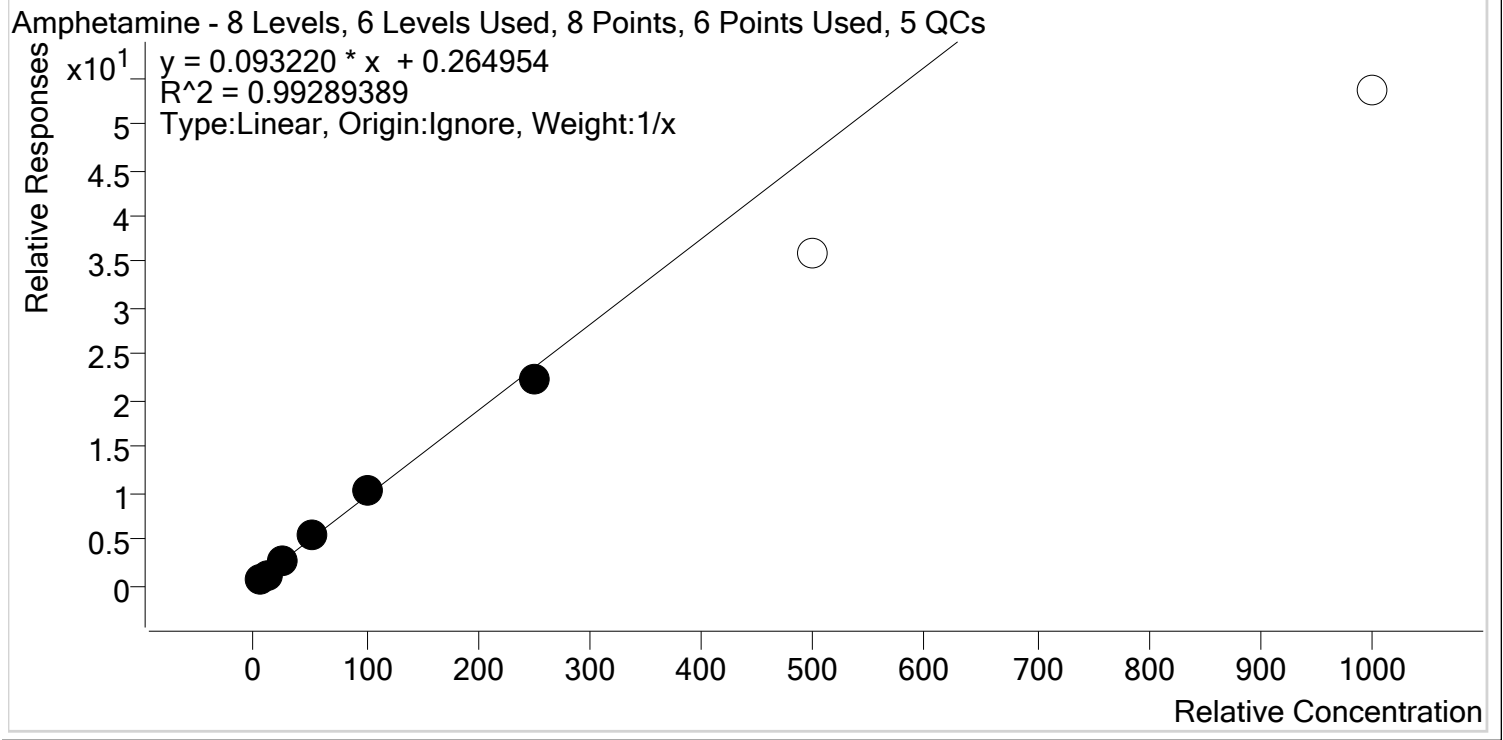


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	490.1	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1022.1	102.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

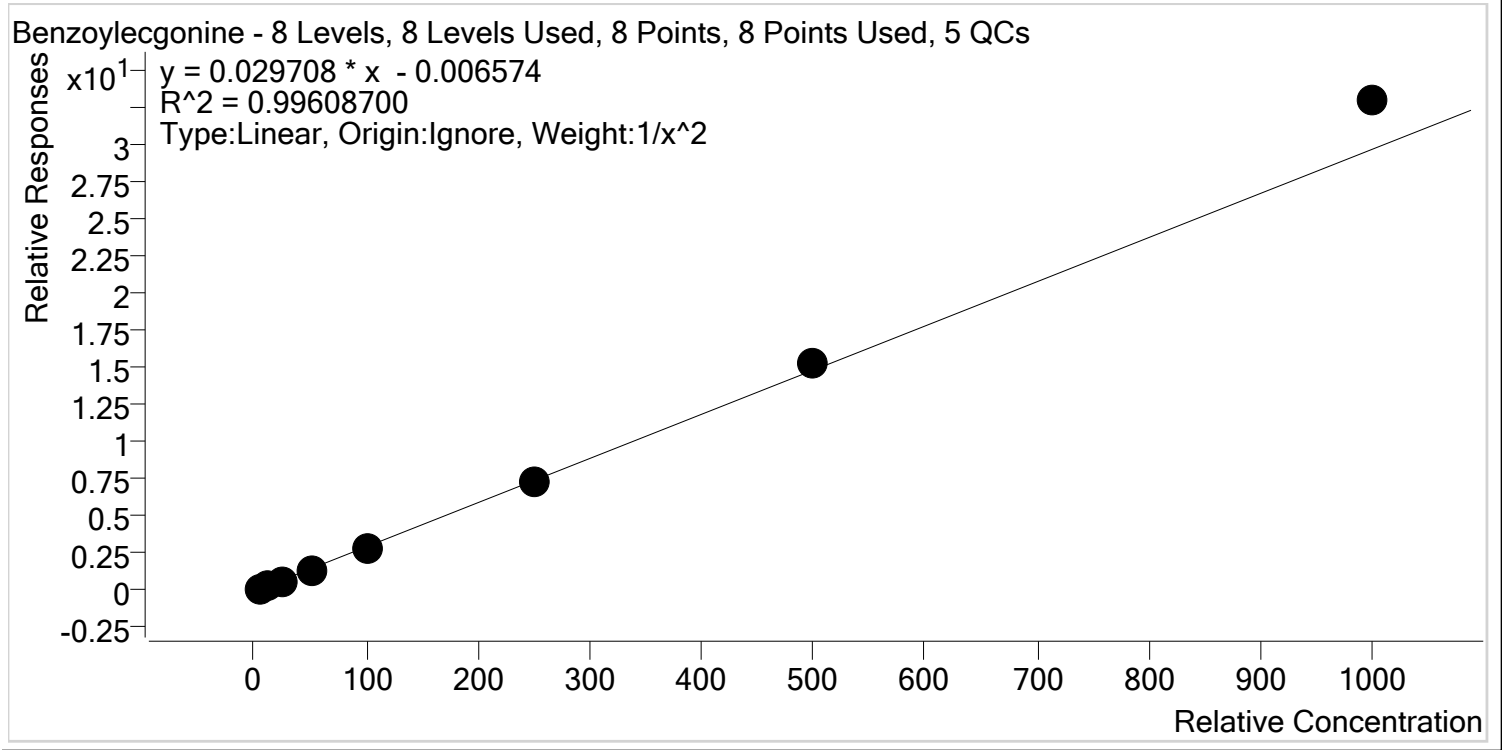


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.4
p1 Cal 2- 10ng	2	✓	10.0	9.0	90.4
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	56.1	112.3
p1 Cal 5-100ng	5	✓	100.0	107.9	107.9
p1 Cal 6-250ng	6	✓	250.0	235.8	94.3
p1 Cal 7-500ng	7	✗	500.0	381.5	76.3
p1 Cal 8-1000ng	8	✗	1000.0	572.4	57.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



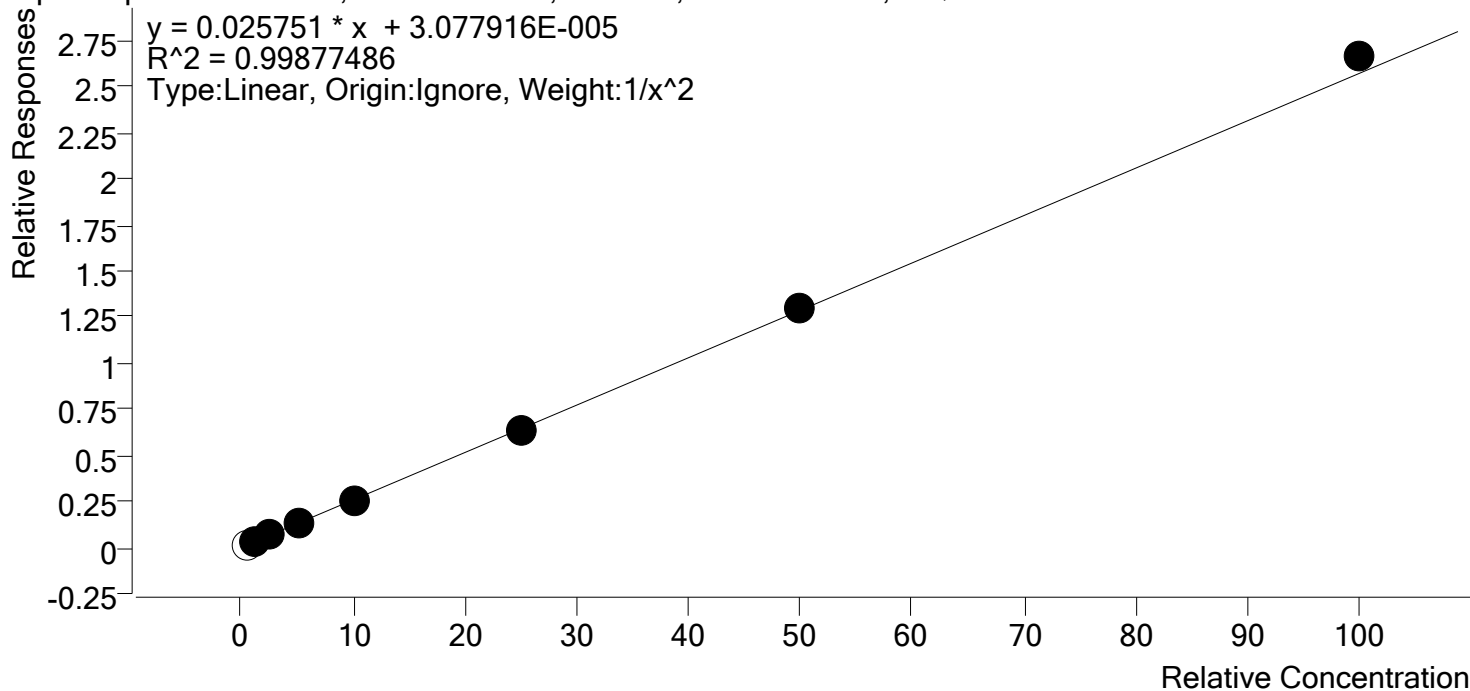
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1110.3	111.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



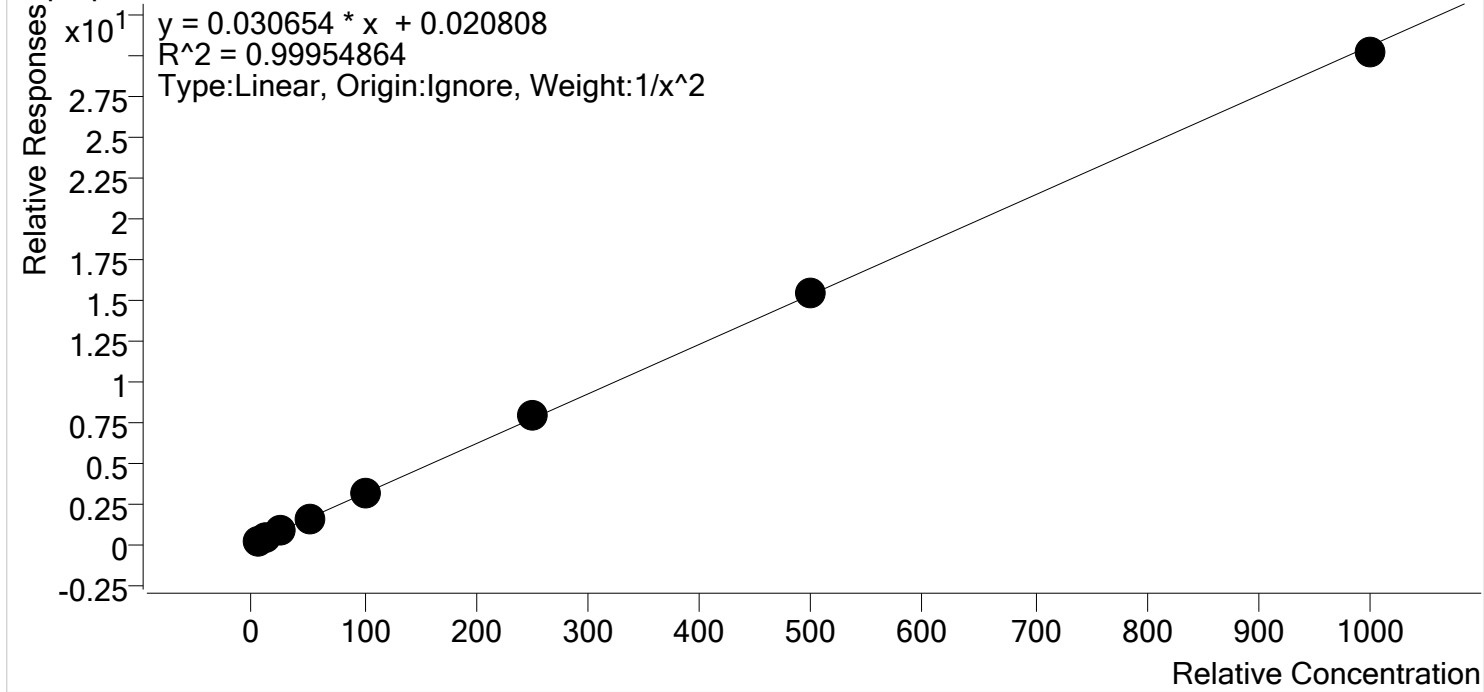
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	106.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.2
p1 Cal 4-50ng	4	✓	5.0	4.7	94.7
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	24.6	98.5
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	103.6	103.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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

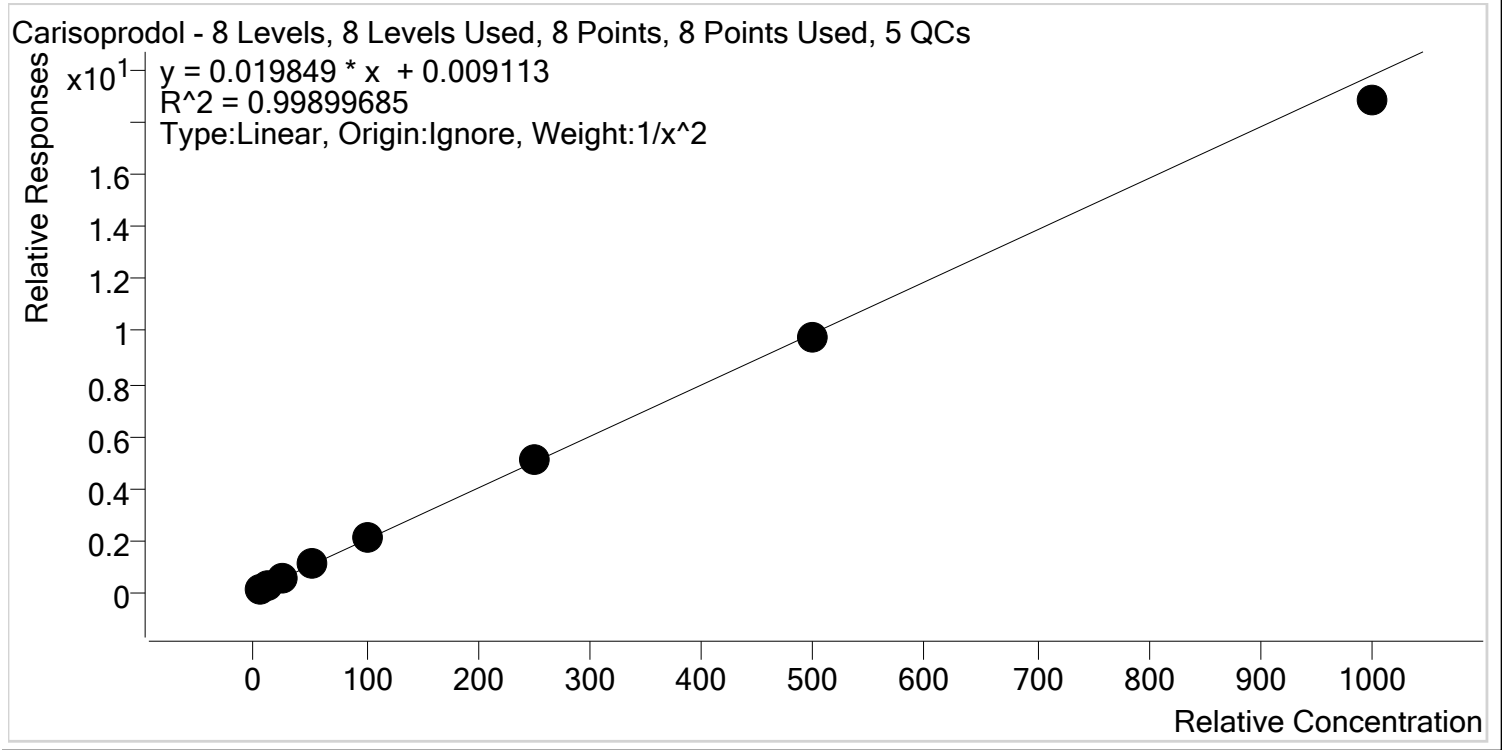


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	986.4	98.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

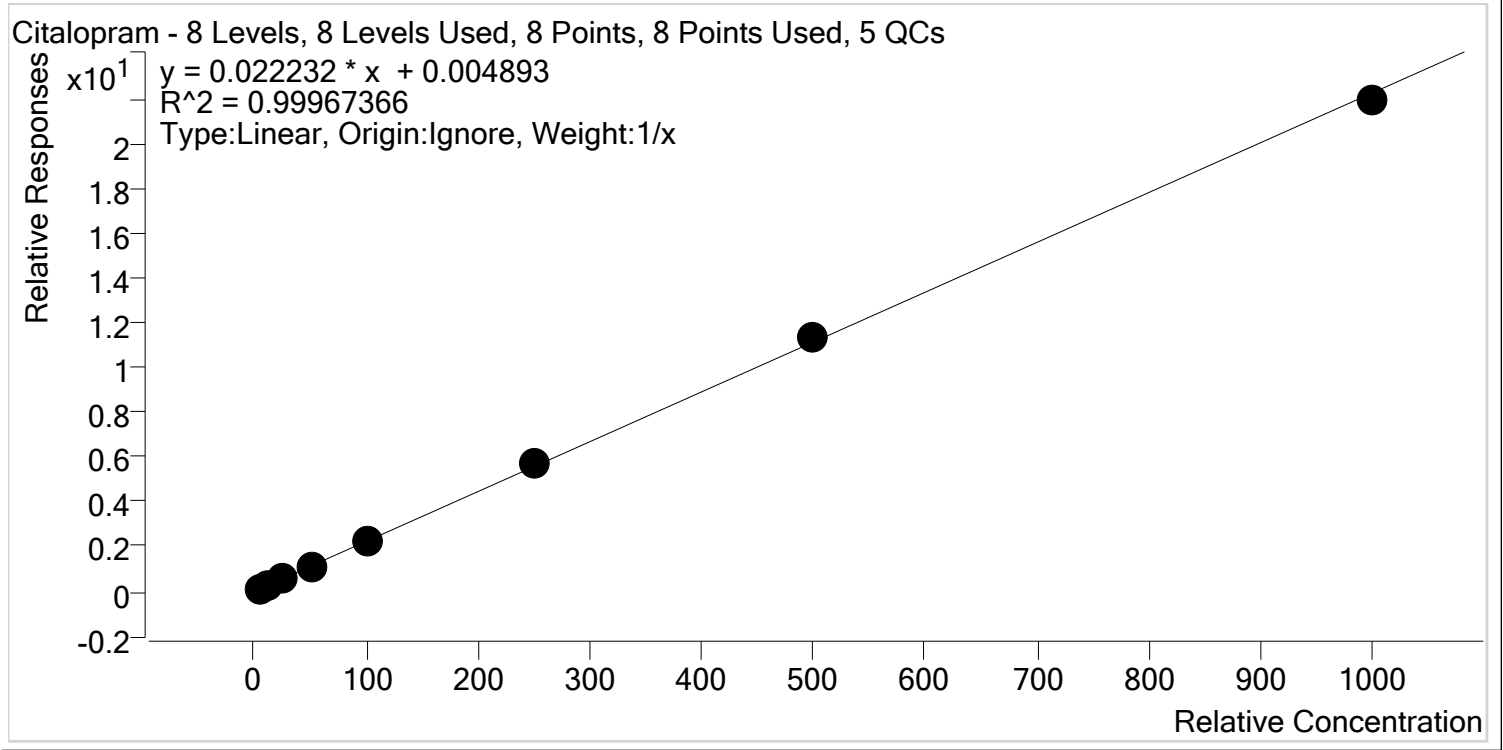


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	951.0	95.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

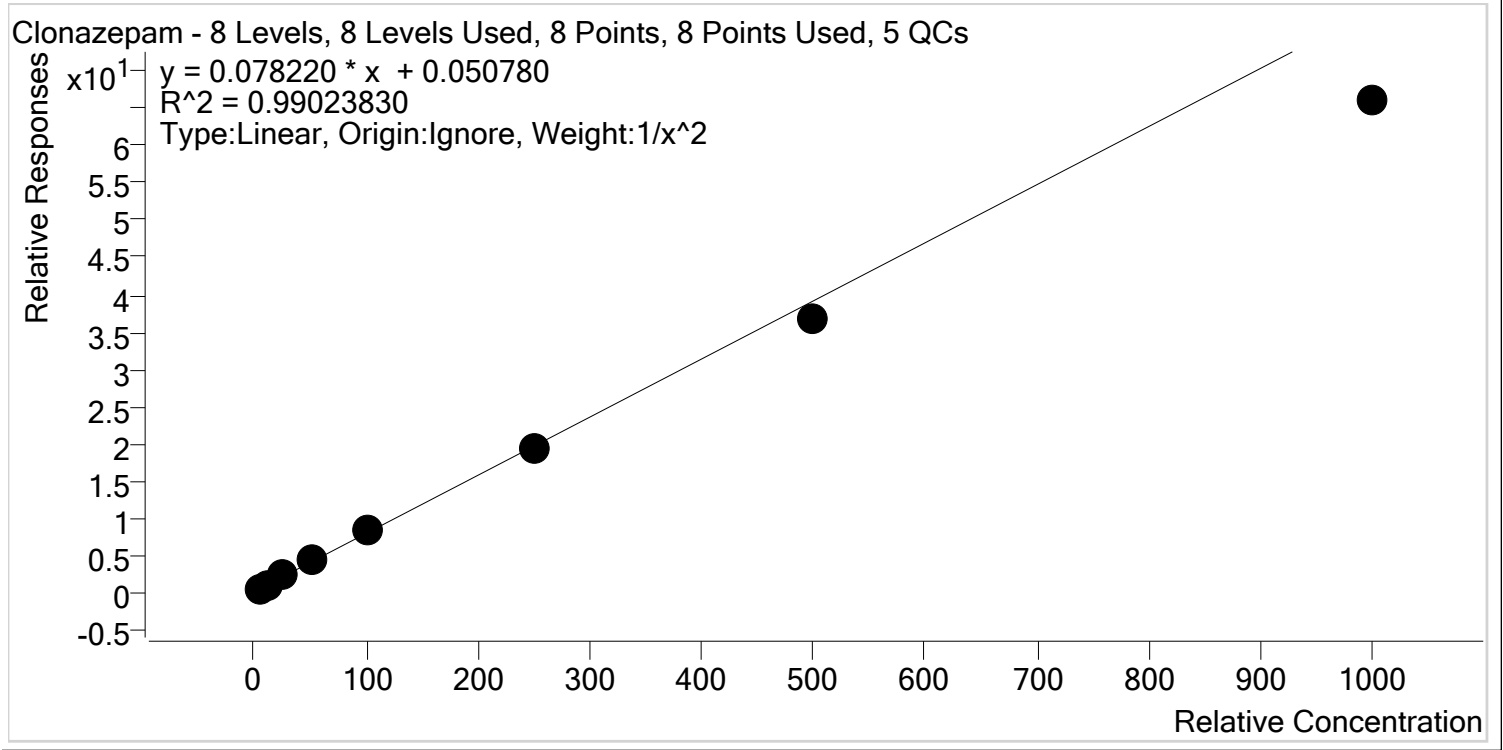


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	984.7	98.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

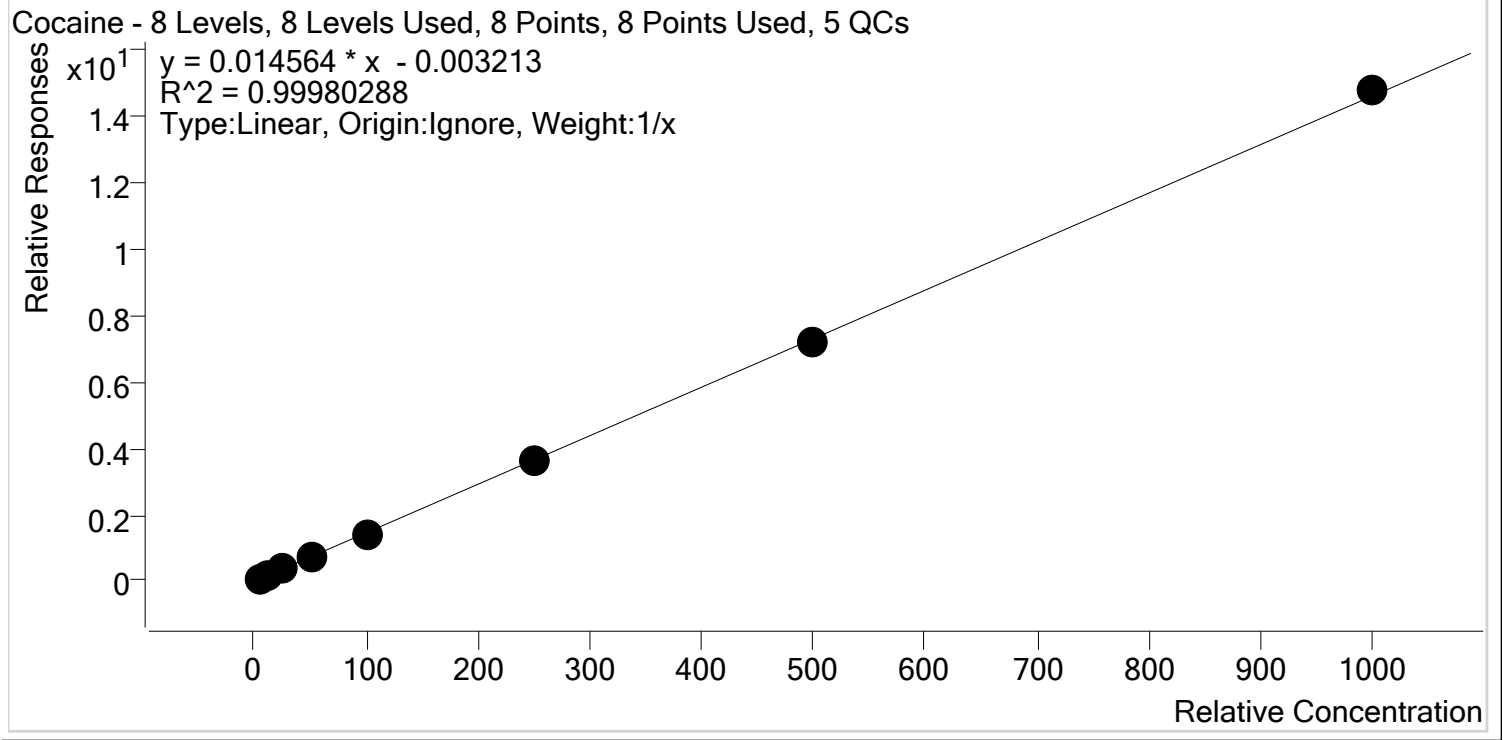


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.7
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	468.3	93.7
p1 Cal 8-1000ng	8	✓	1000.0	844.7	84.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

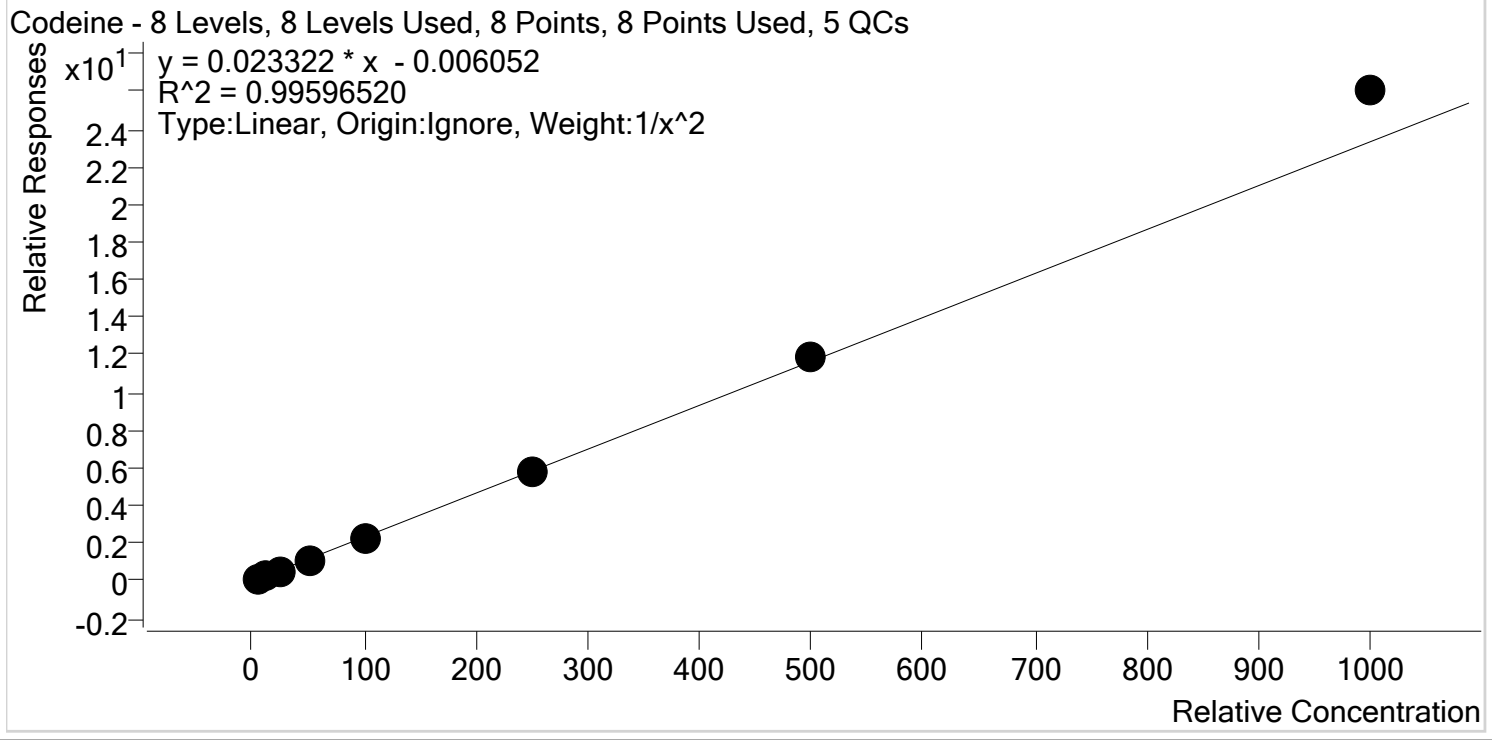


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1011.4	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



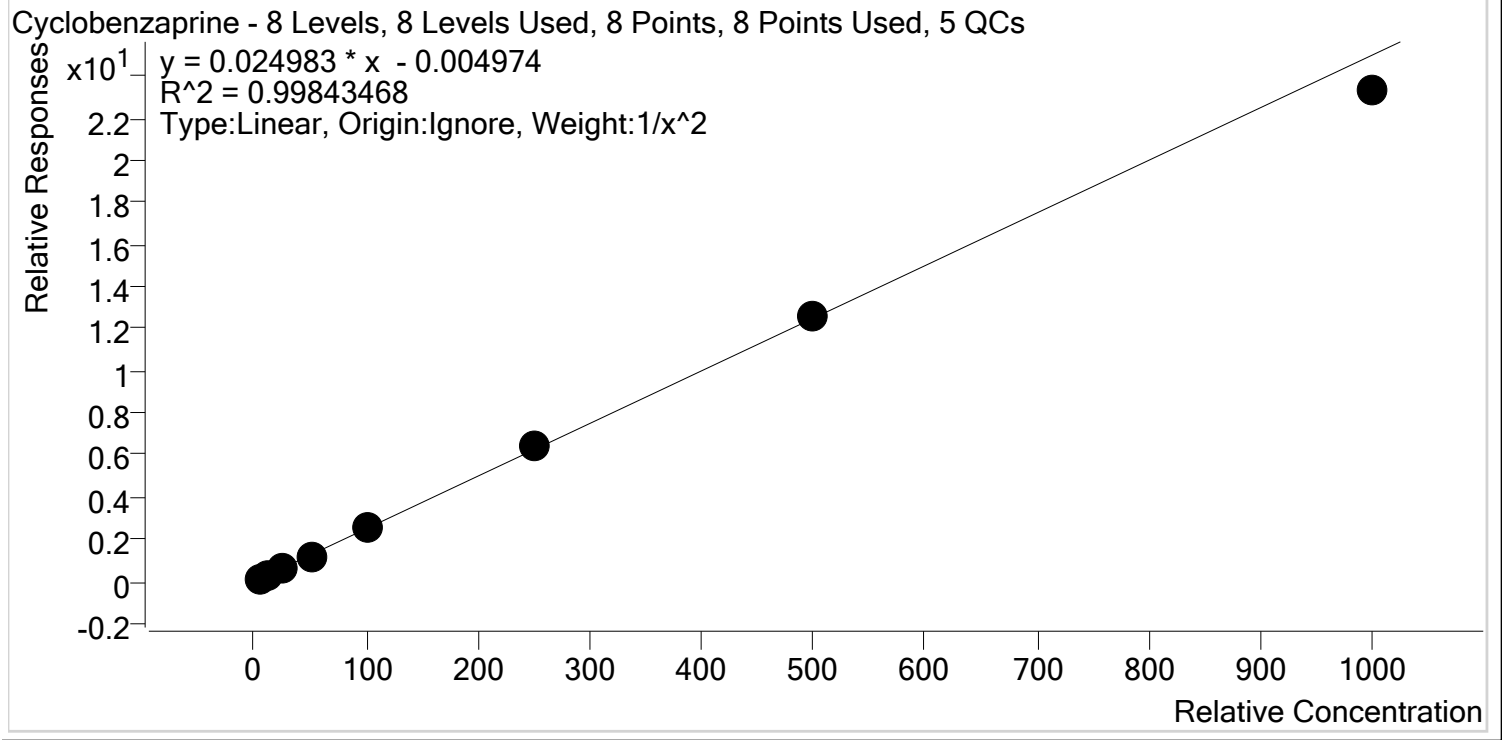
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1116.6	111.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

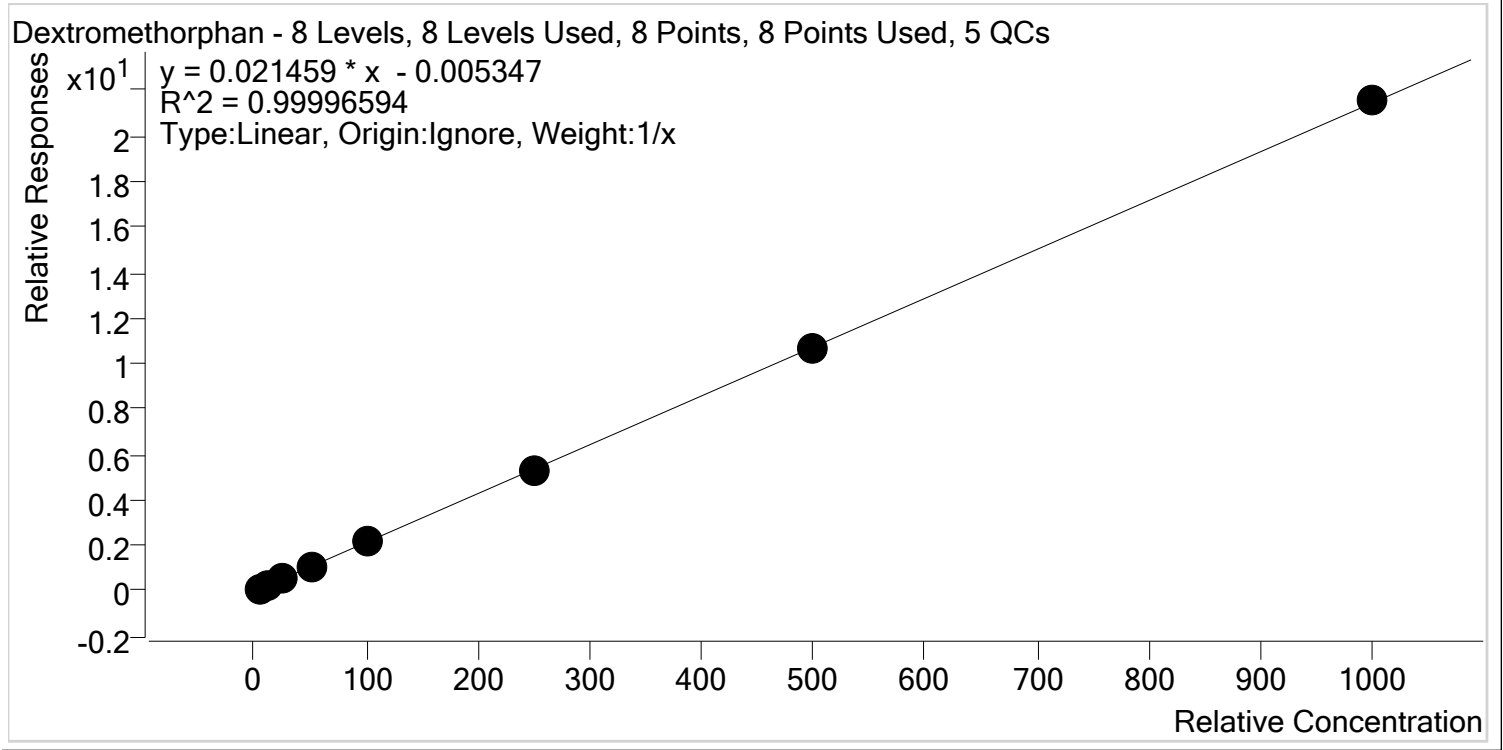


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	257.9	103.1
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	932.6	93.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

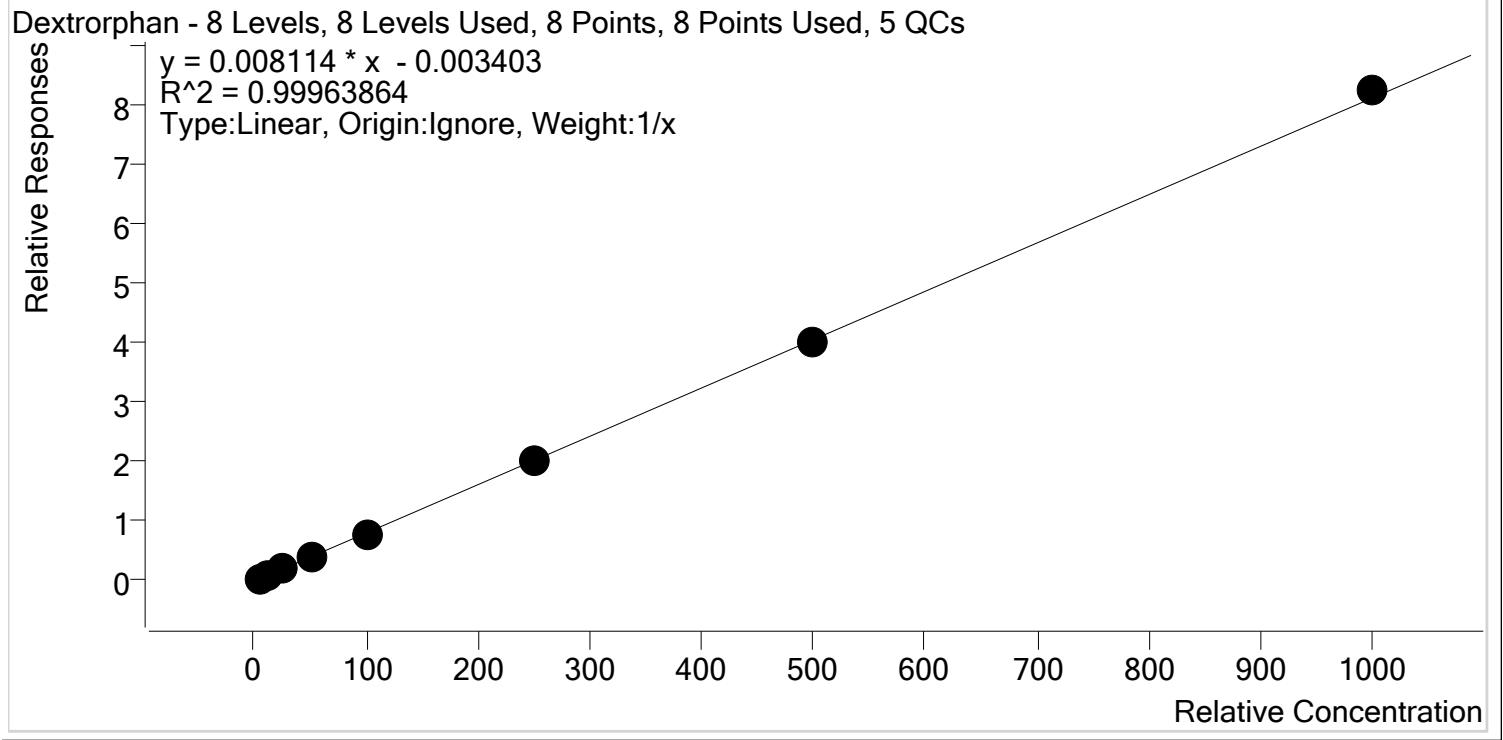


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.9	100.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Dextrophan Internal Standard Dextrophan-D3

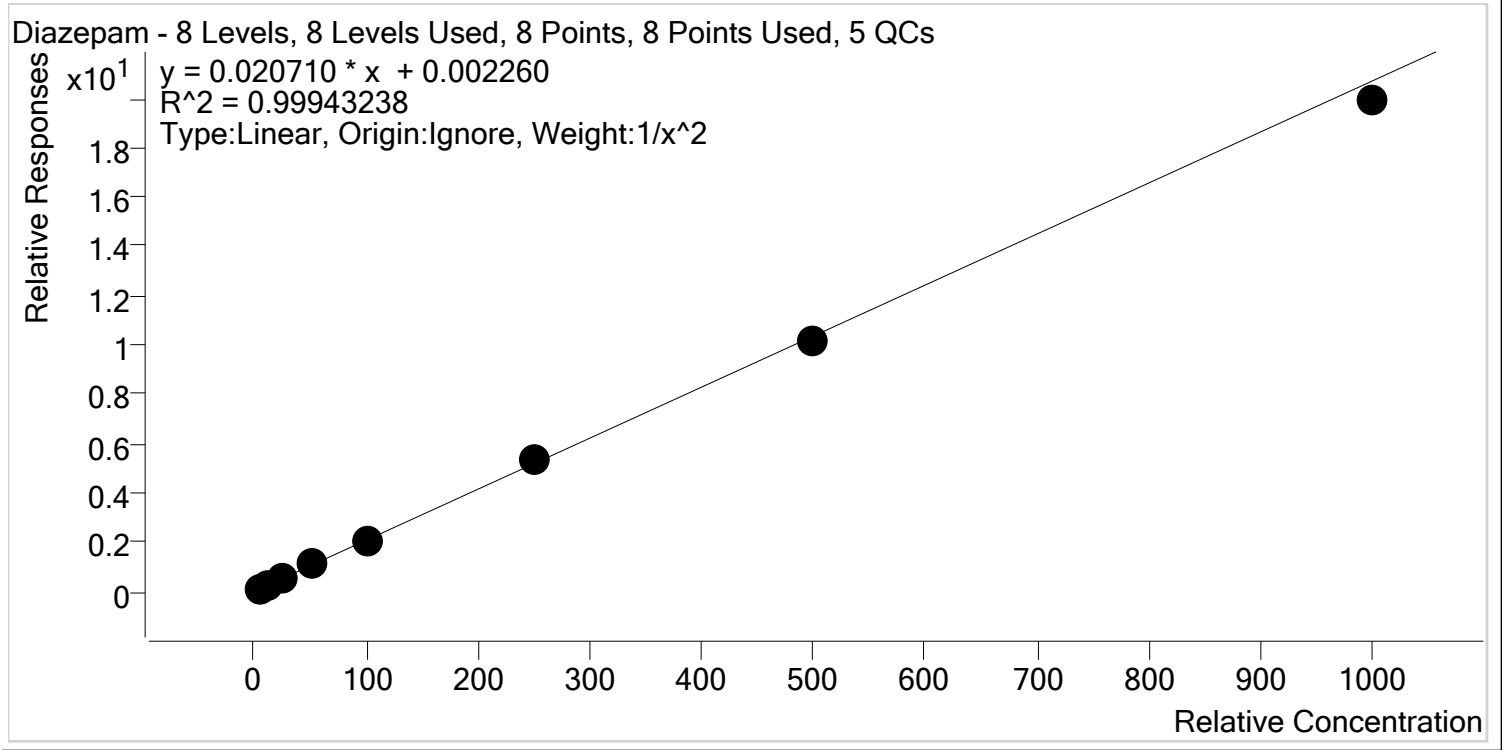


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1015.5	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

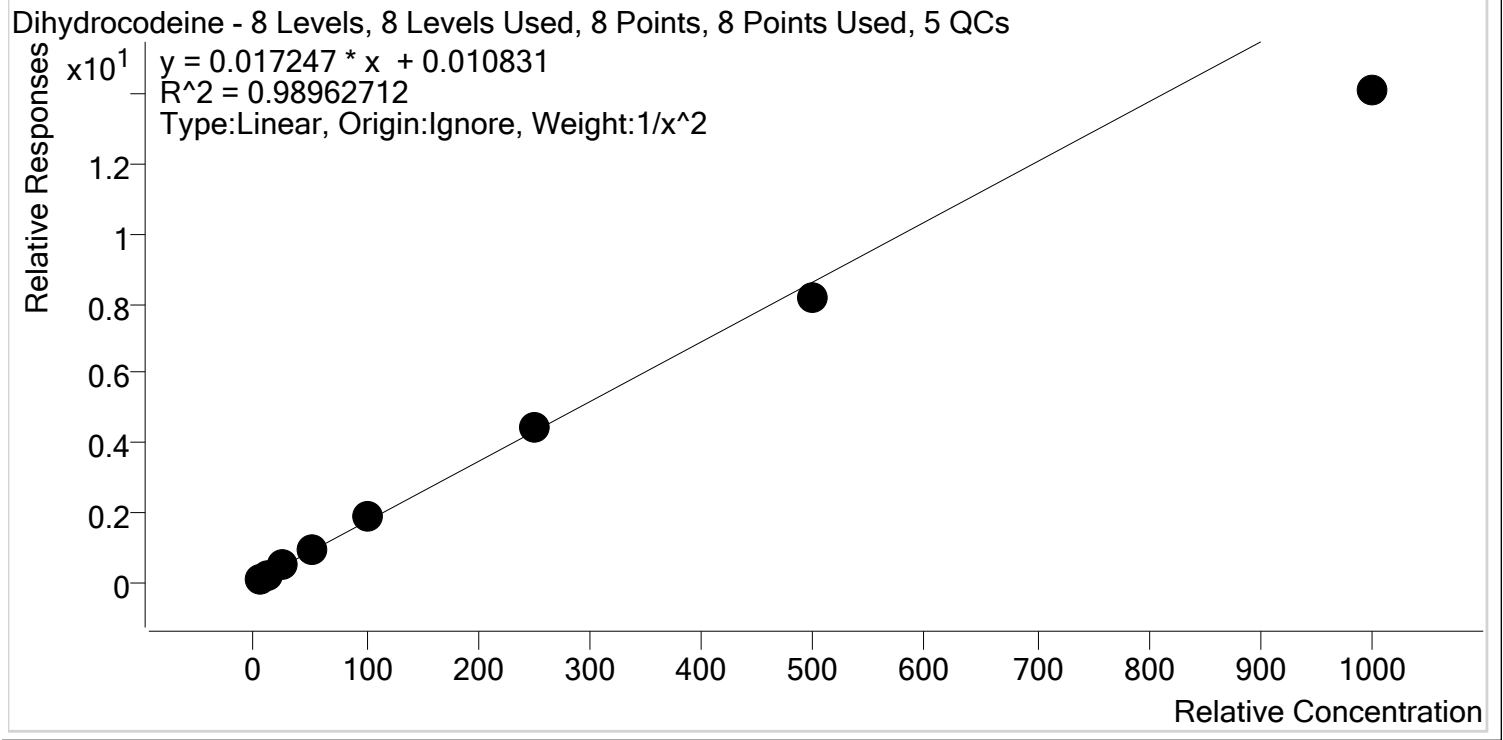


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	961.6	96.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



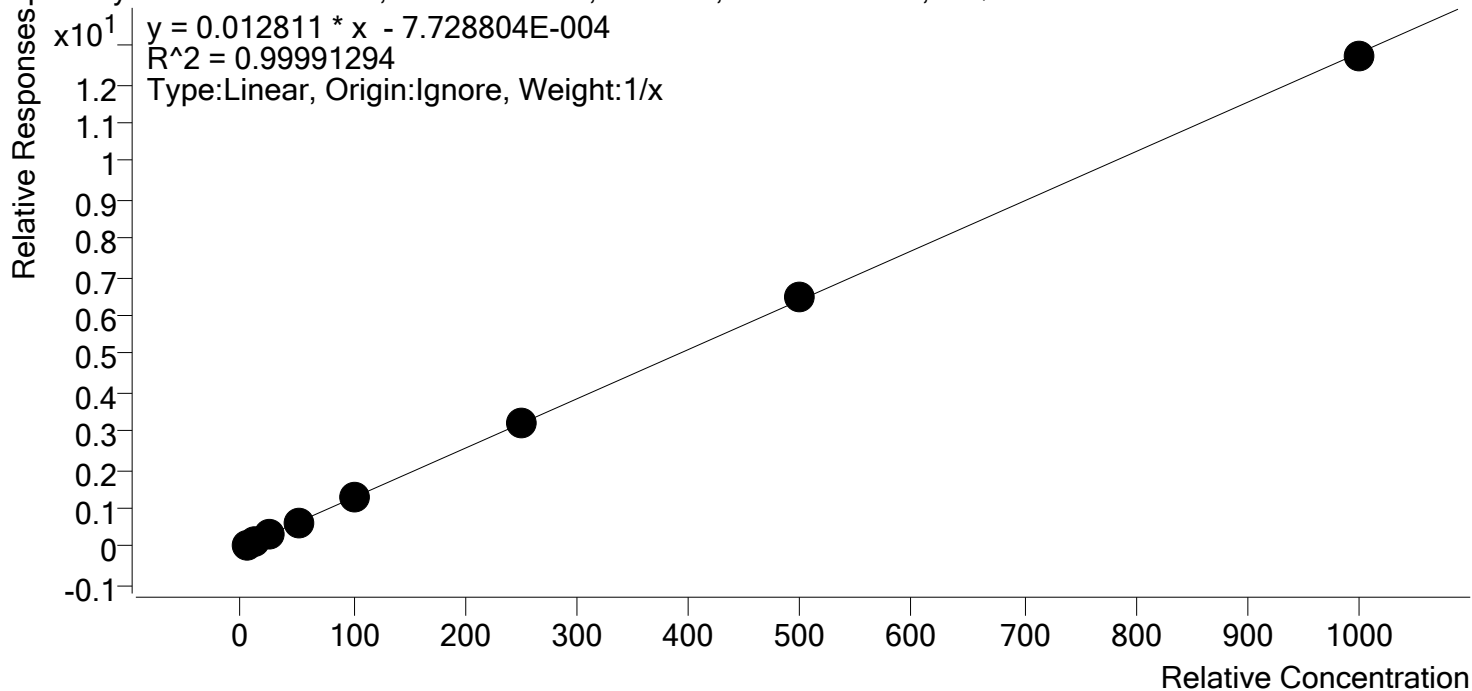
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	472.4	94.5
p1 Cal 8-1000ng	8	✓	1000.0	819.0	81.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

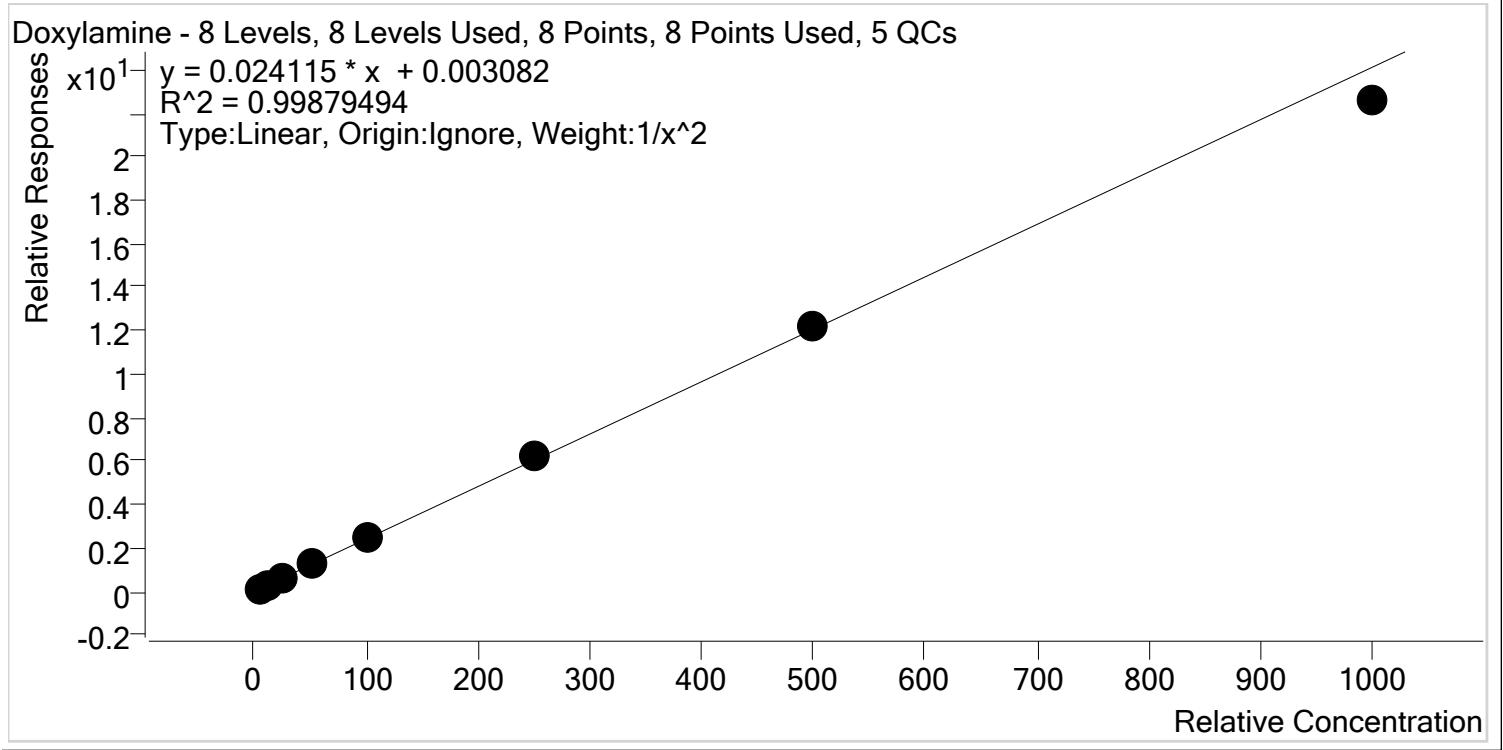


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	992.5	99.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

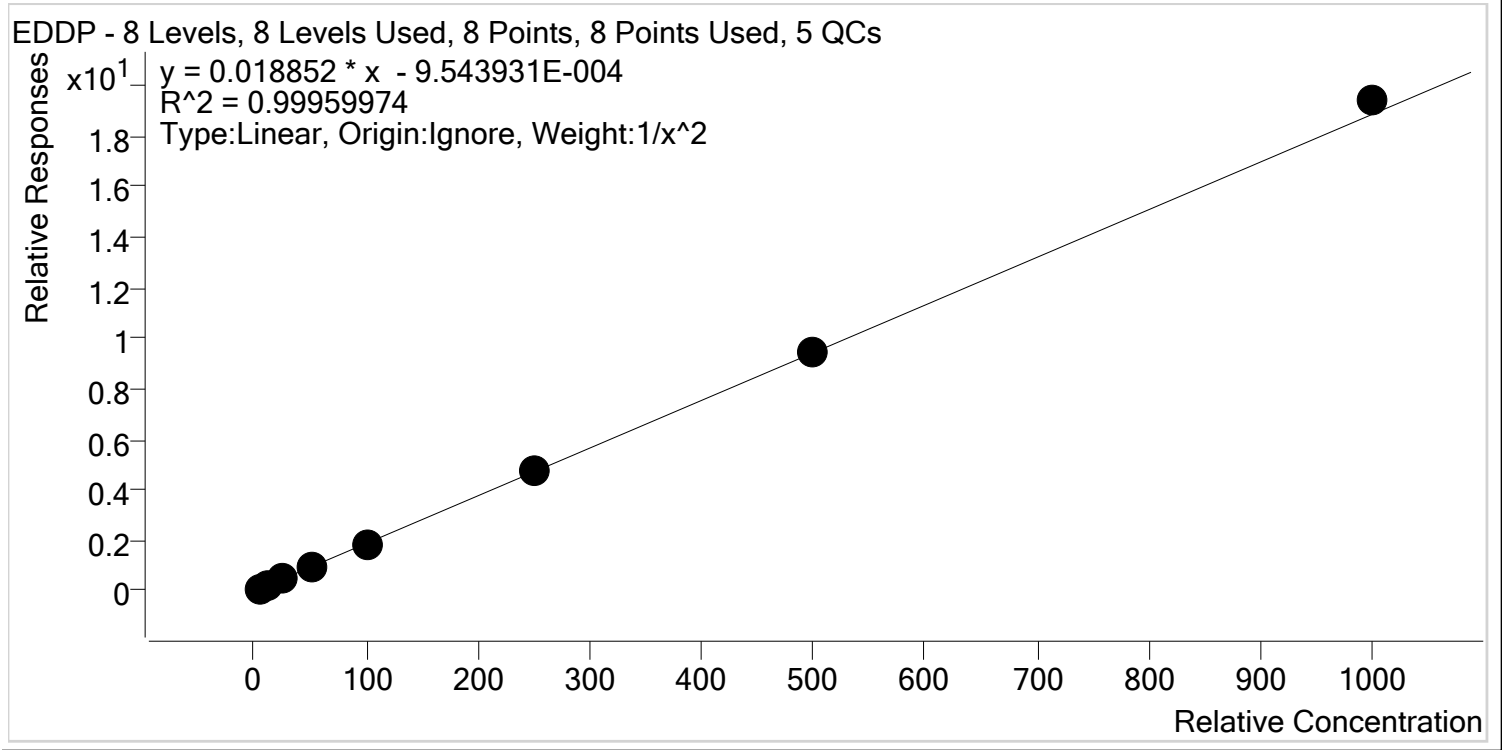


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	260.3	104.1
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	936.5	93.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

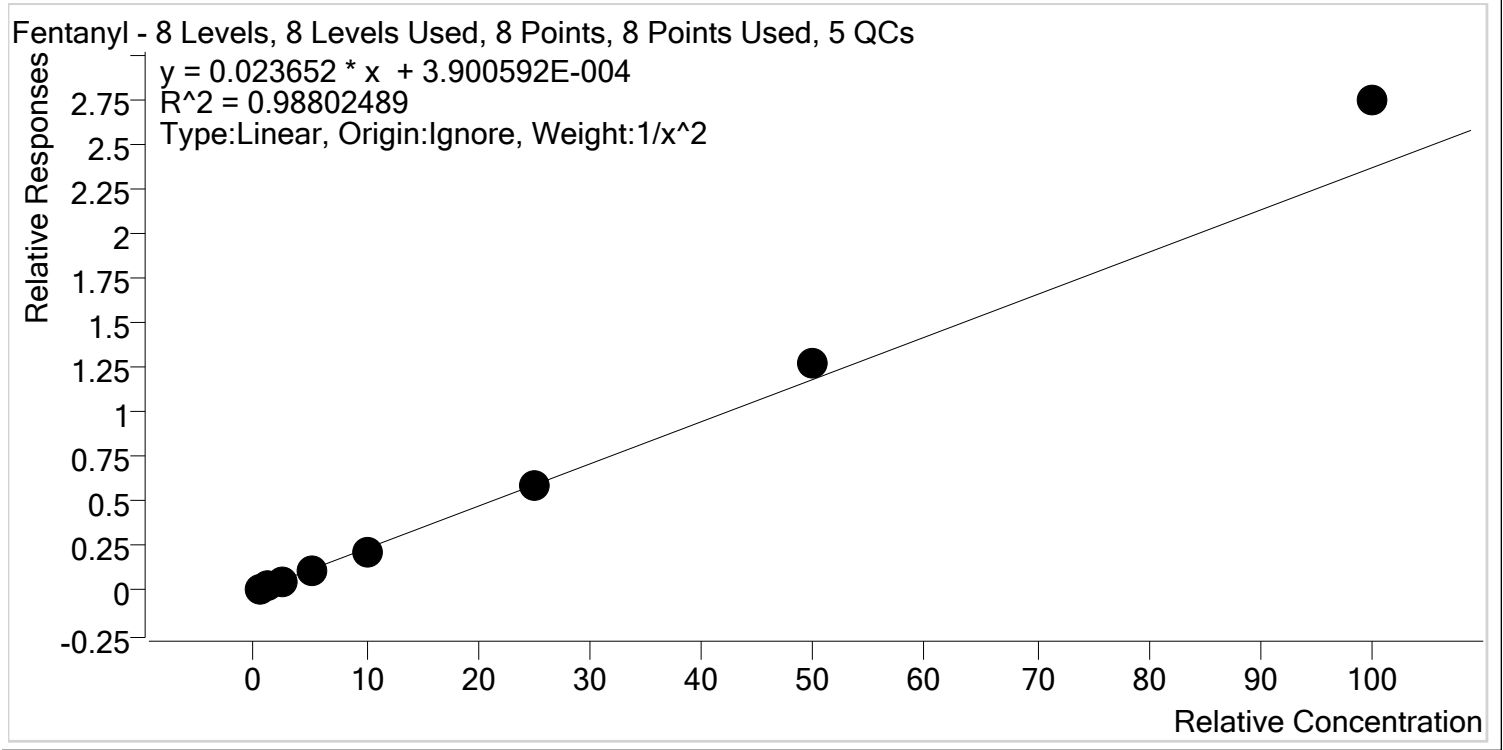


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1028.9	102.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



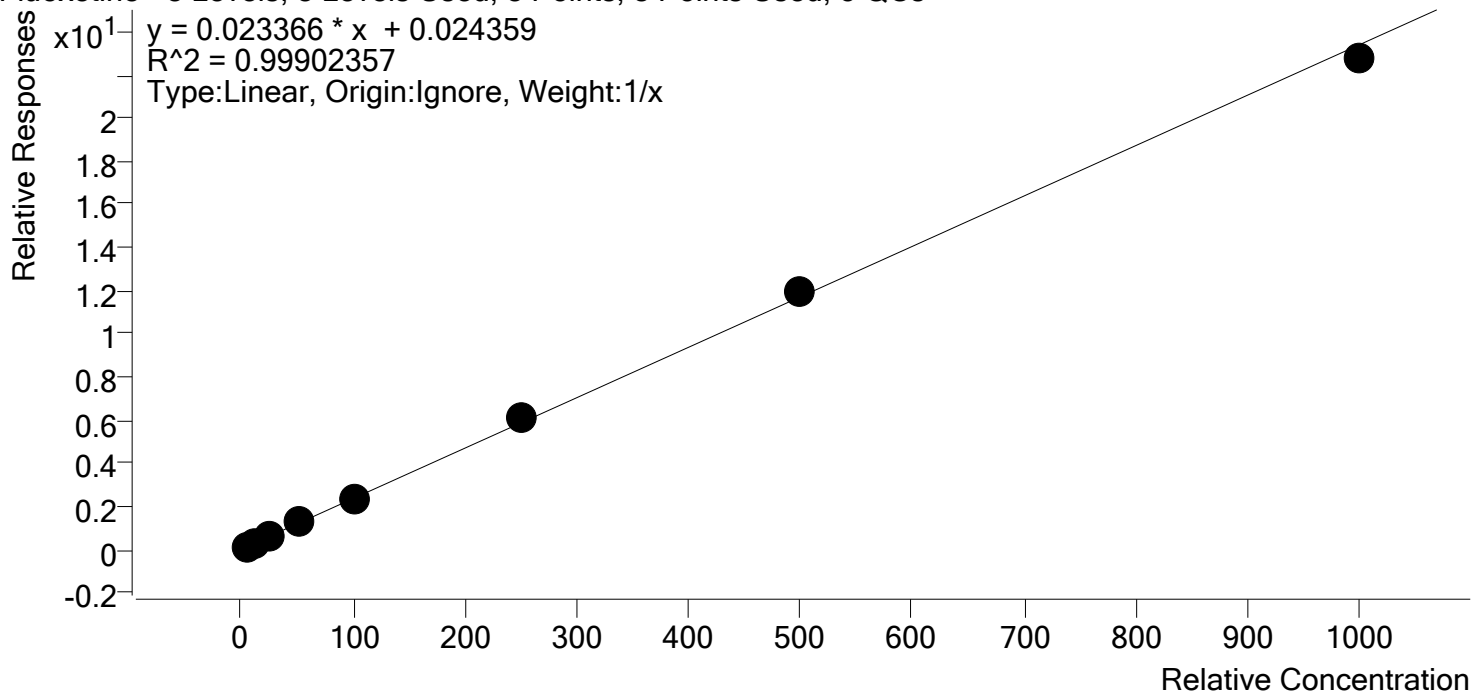
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.8
p1 Cal 2- 10ng	2	✓	1.0	0.9	94.7
p1 Cal 3 -25ng	3	✓	2.5	2.2	86.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	9.1	91.4
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	54.1	108.1
p1 Cal 8-1000ng	8	✓	100.0	115.9	115.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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

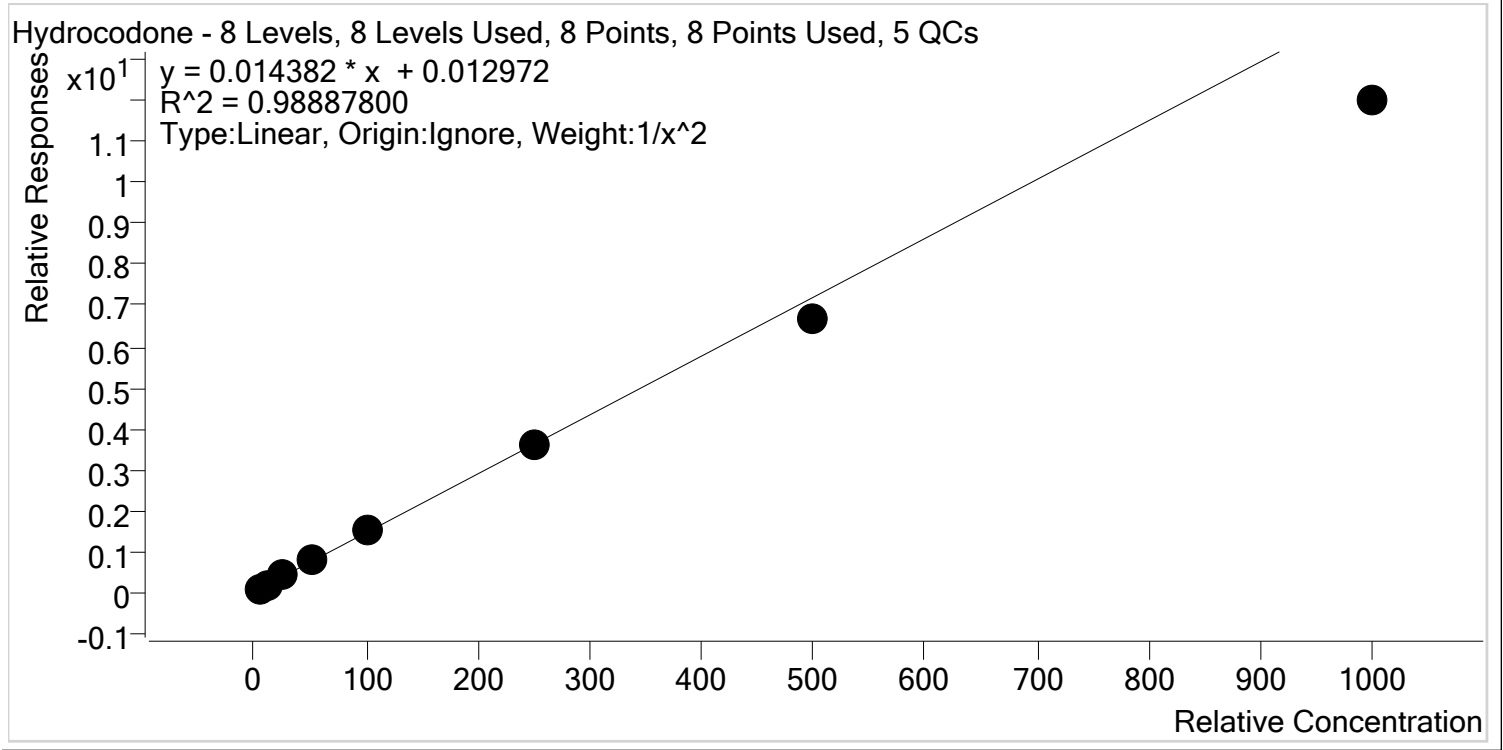


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	972.7	97.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

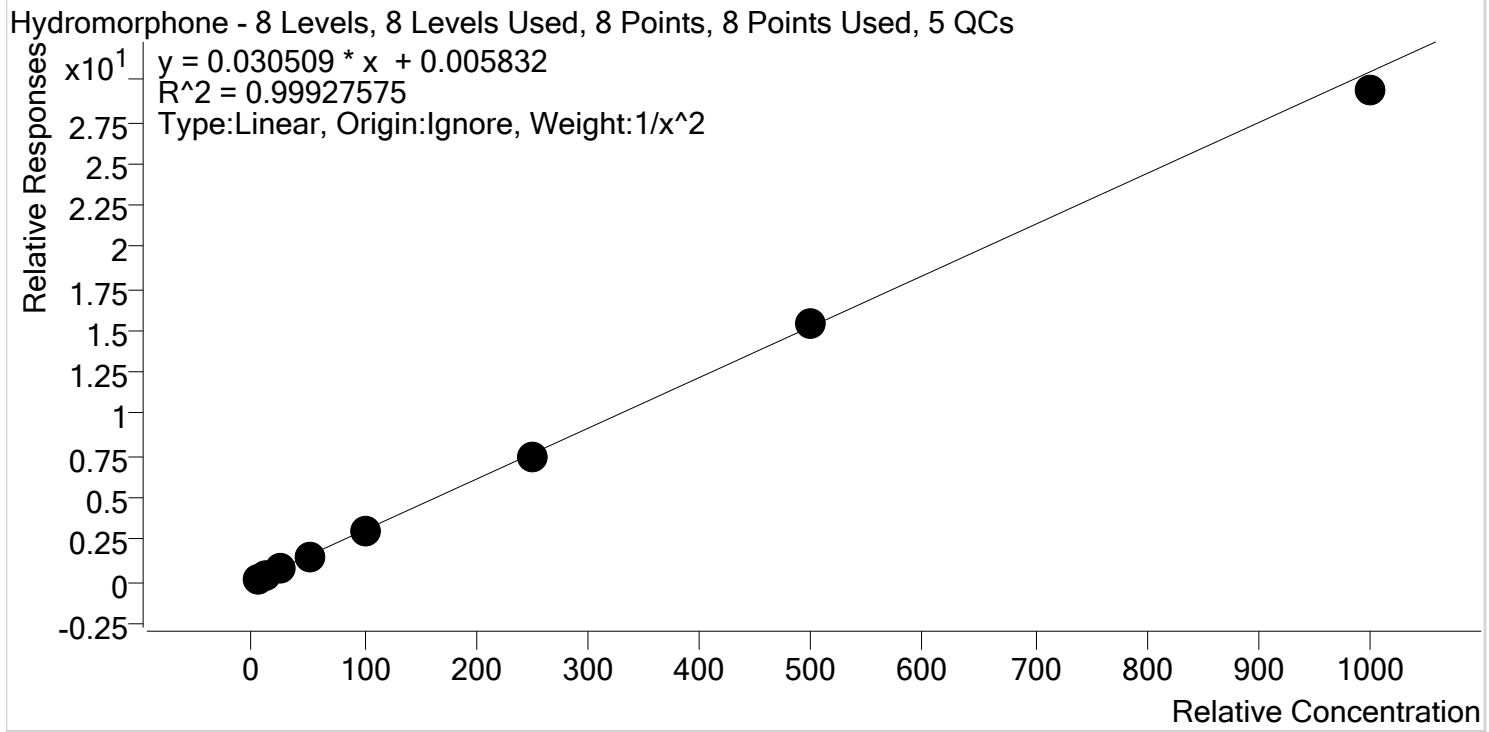


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	56.0	112.1
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	464.8	93.0
p1 Cal 8-1000ng	8	✓	1000.0	834.1	83.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



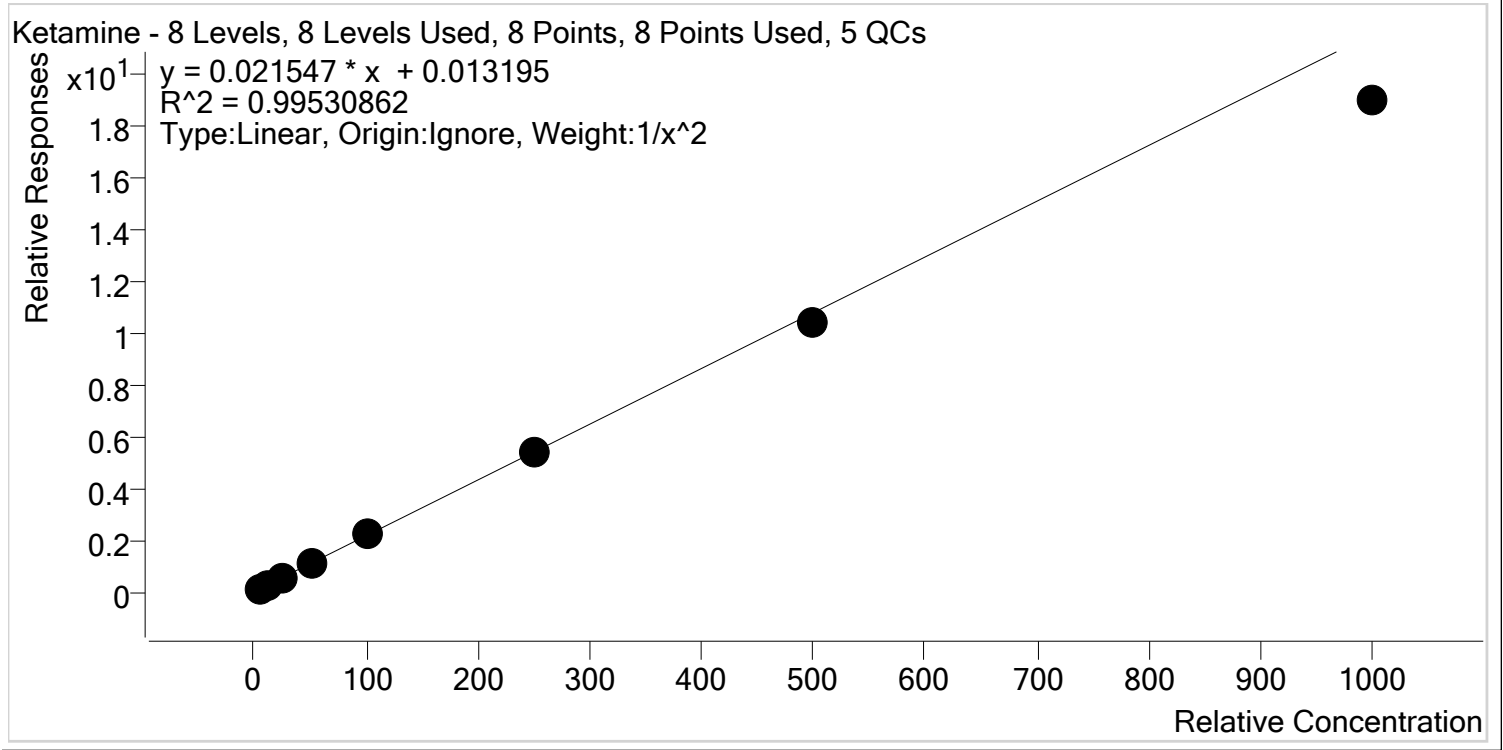
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	963.0	96.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

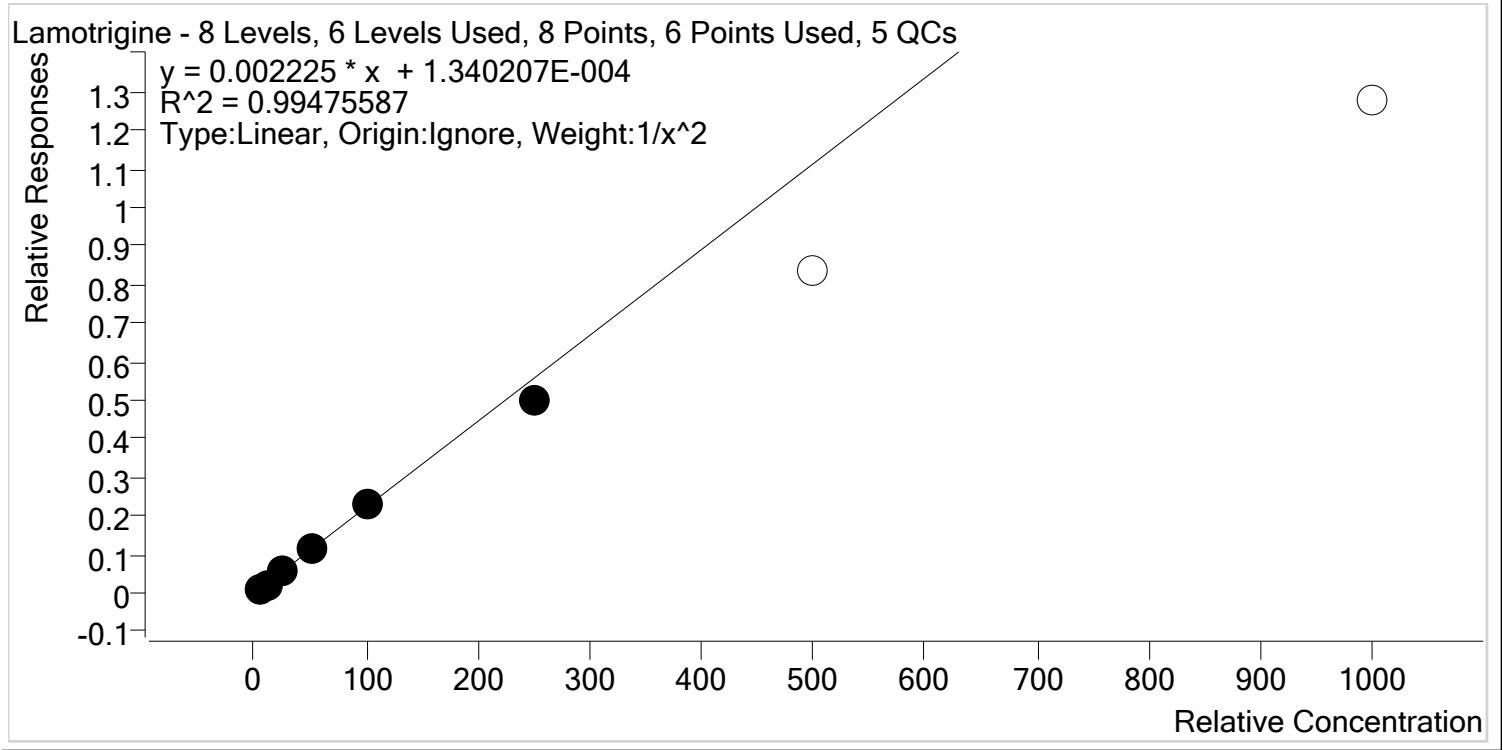


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	481.3	96.3
p1 Cal 8-1000ng	8	✓	1000.0	880.6	88.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

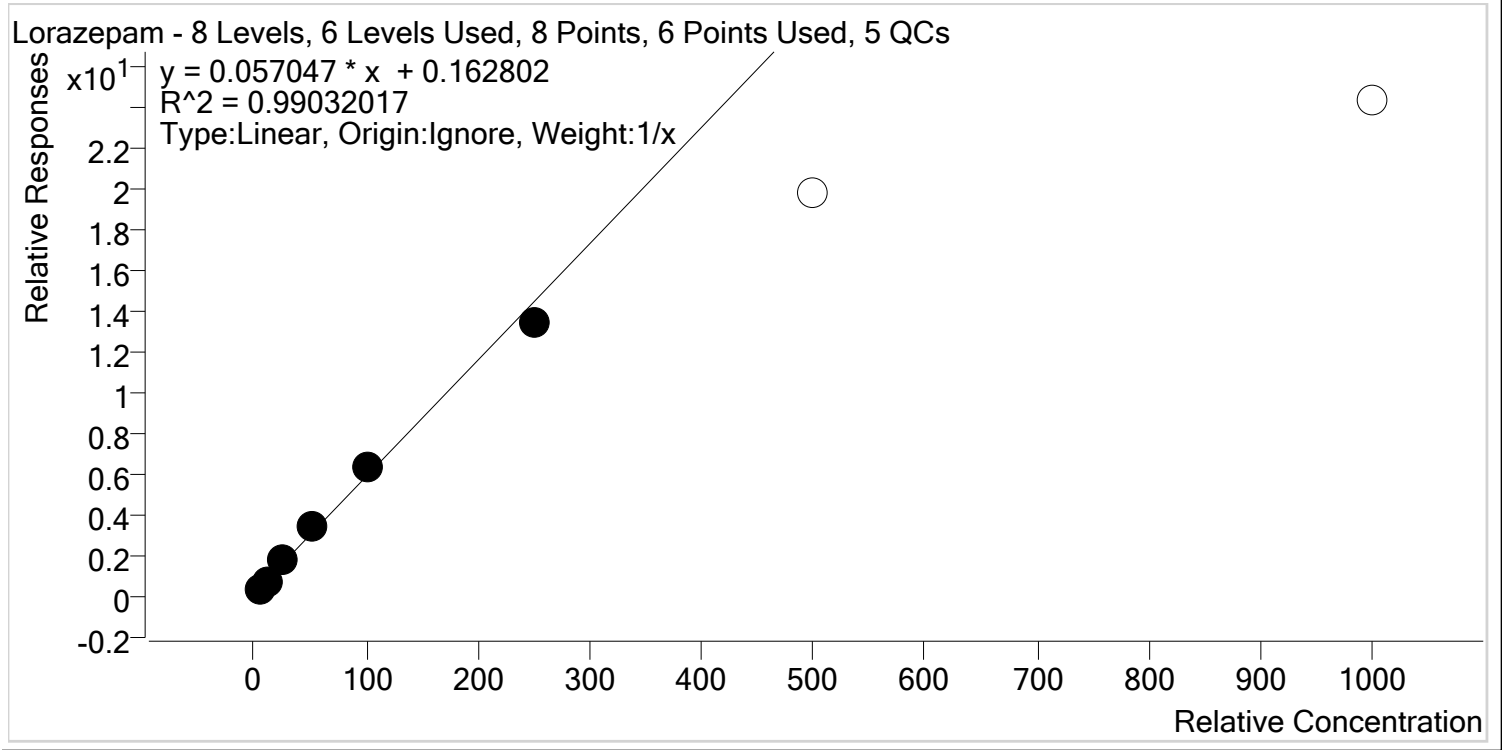


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	223.5	89.4
p1 Cal 7-500ng	7	x	500.0	374.1	74.8
p1 Cal 8-1000ng	8	x	1000.0	573.5	57.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

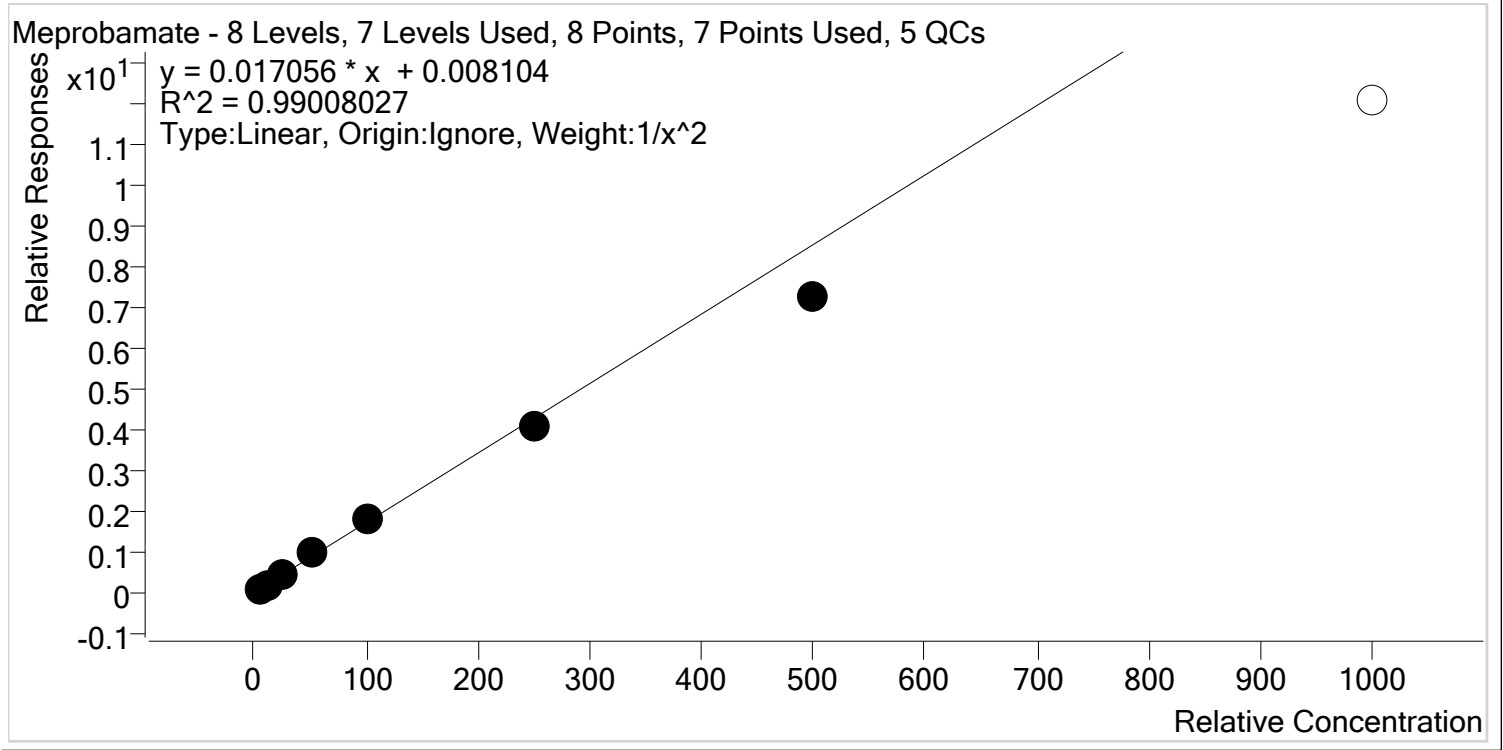


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.6	72.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	28.5	114.1
p1 Cal 4-50ng	4	✓	50.0	56.5	113.0
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	233.8	93.5
p1 Cal 7-500ng	7	x	500.0	342.4	68.5
p1 Cal 8-1000ng	8	x	1000.0	423.0	42.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

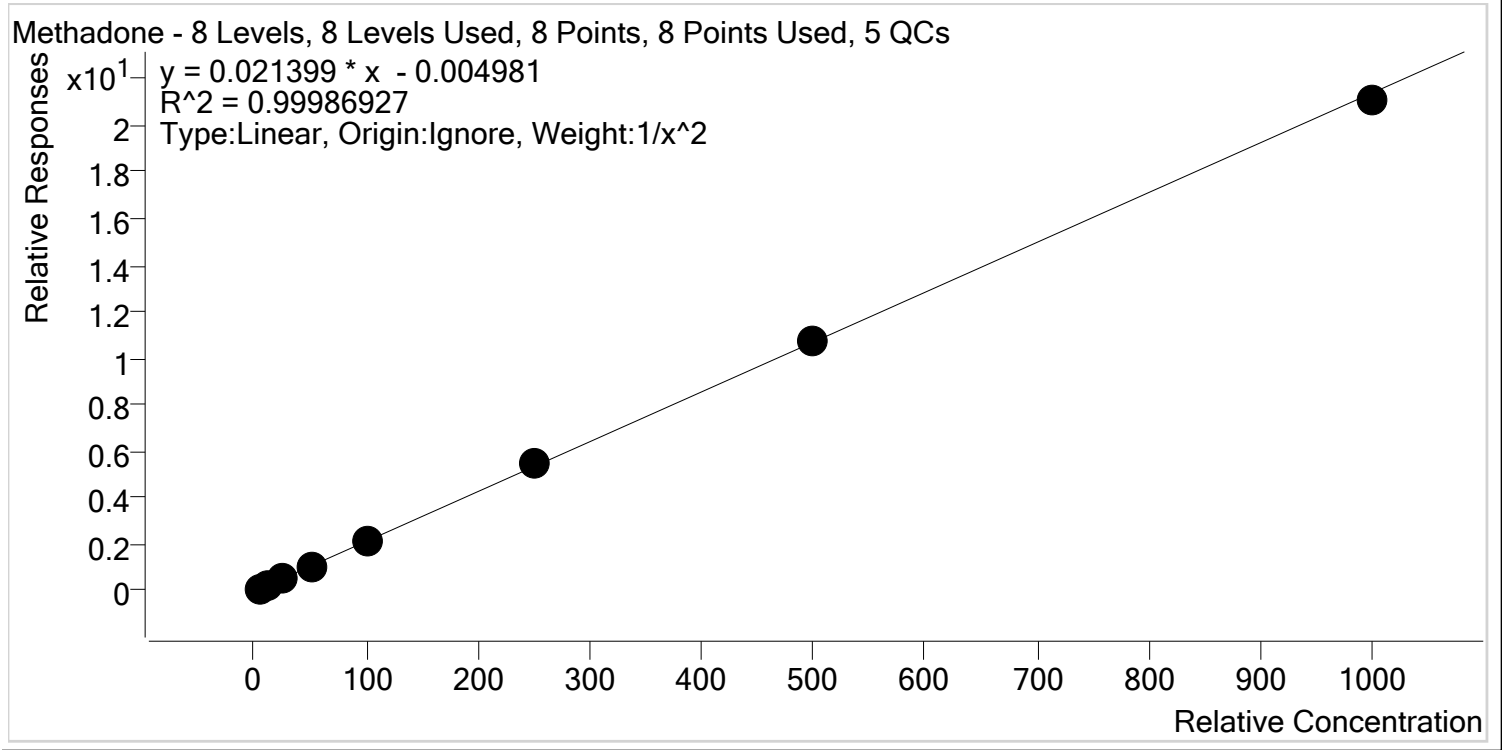


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	424.4	84.9
p1 Cal 8-1000ng	8	✗	1000.0	707.1	70.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

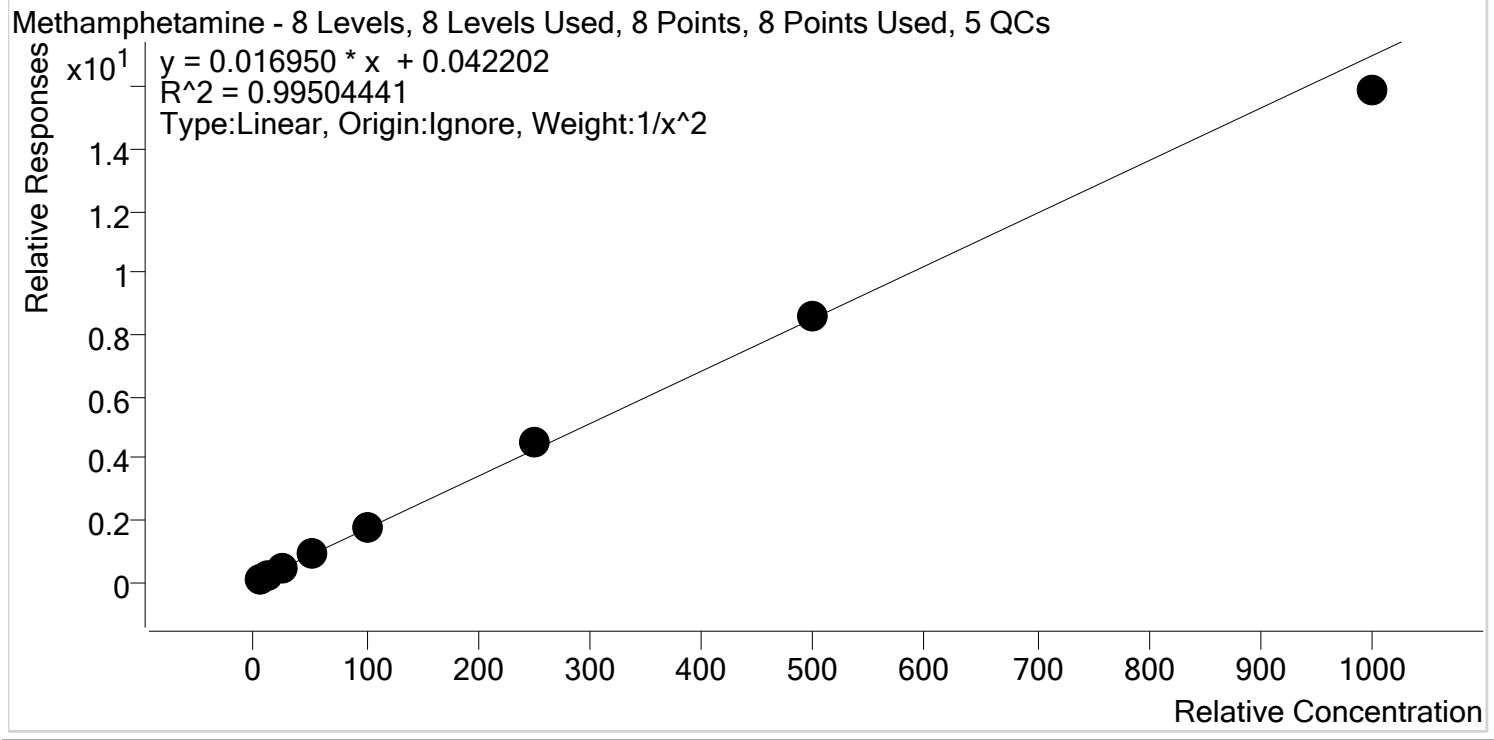


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	984.7	98.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

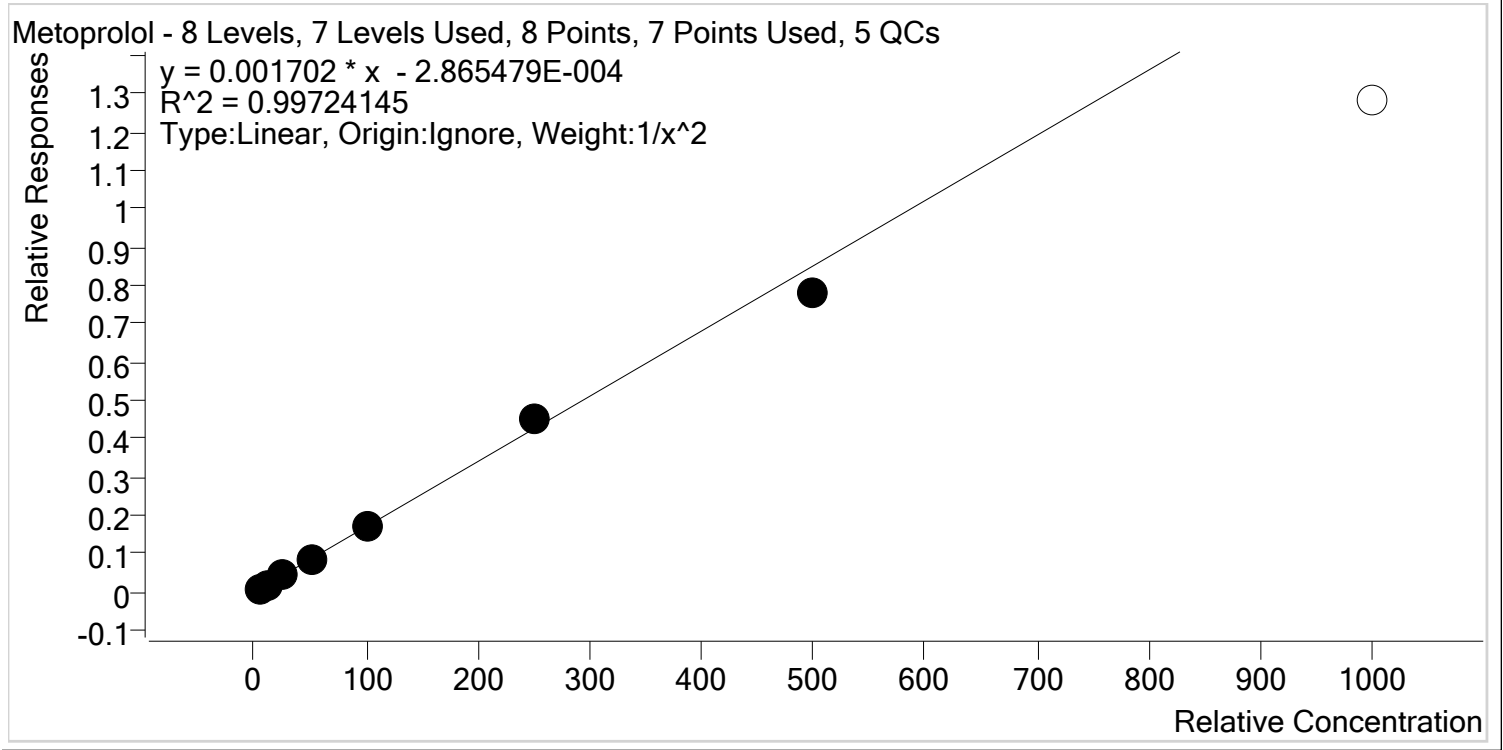


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2- 10ng	2	✓	10.0	8.9	88.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	262.6	105.1
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	933.6	93.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

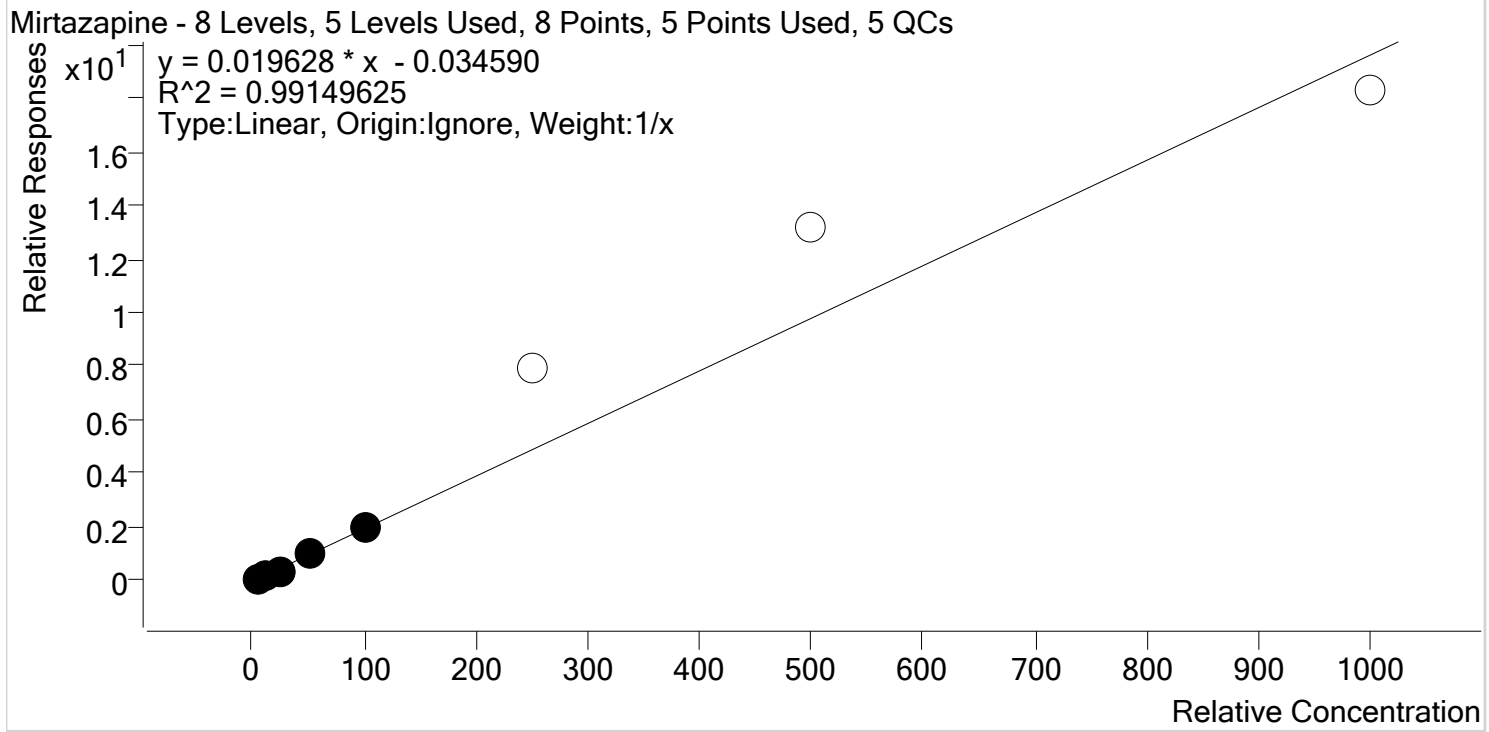


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	262.9	105.1
p1 Cal 7-500ng	7	✓	500.0	458.6	91.7
p1 Cal 8-1000ng	8	✗	1000.0	753.3	75.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

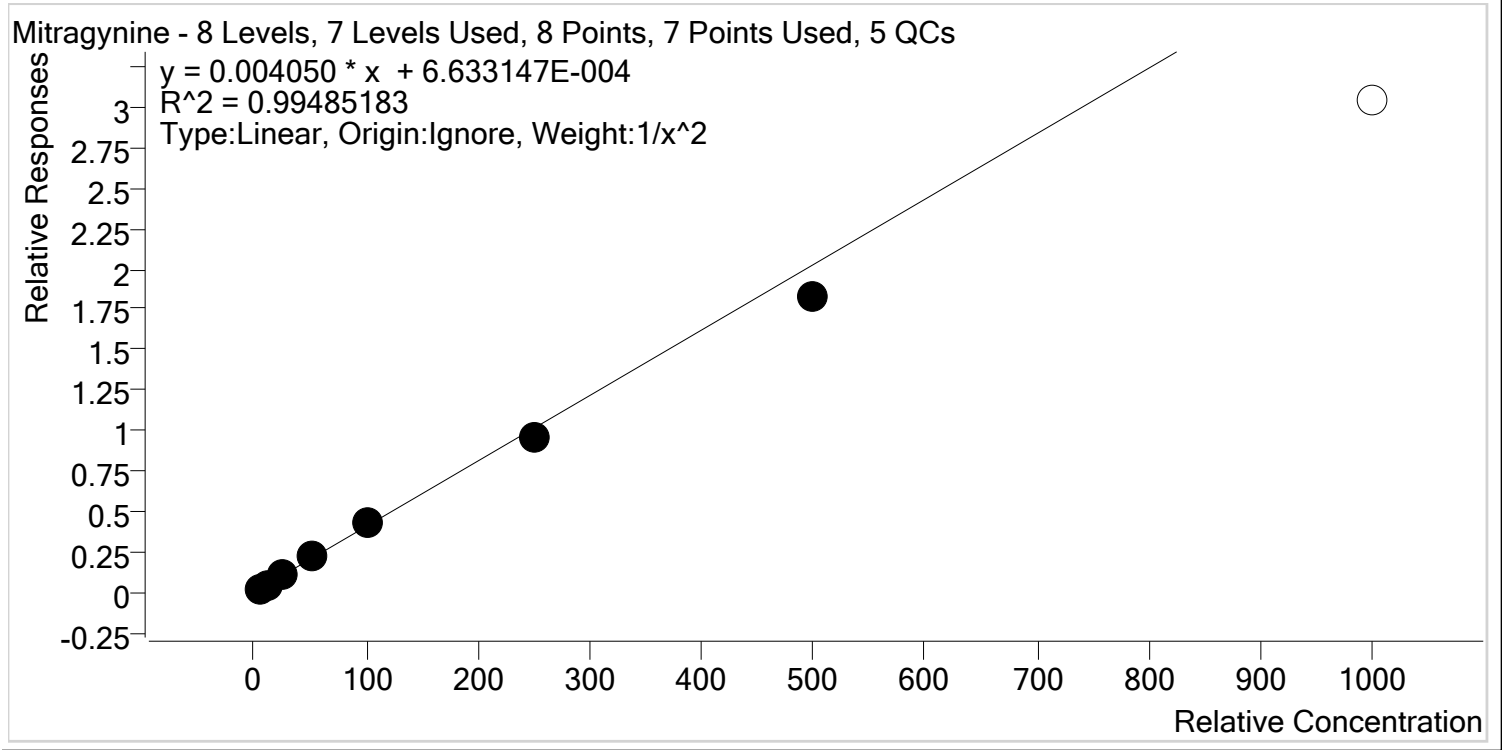


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	11.0	109.6
p1 Cal 3 -25ng	3	✓	25.0	20.4	81.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✗	250.0	404.4	161.8
p1 Cal 7-500ng	7	✗	500.0	670.1	134.0
p1 Cal 8-1000ng	8	✗	1000.0	932.6	93.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

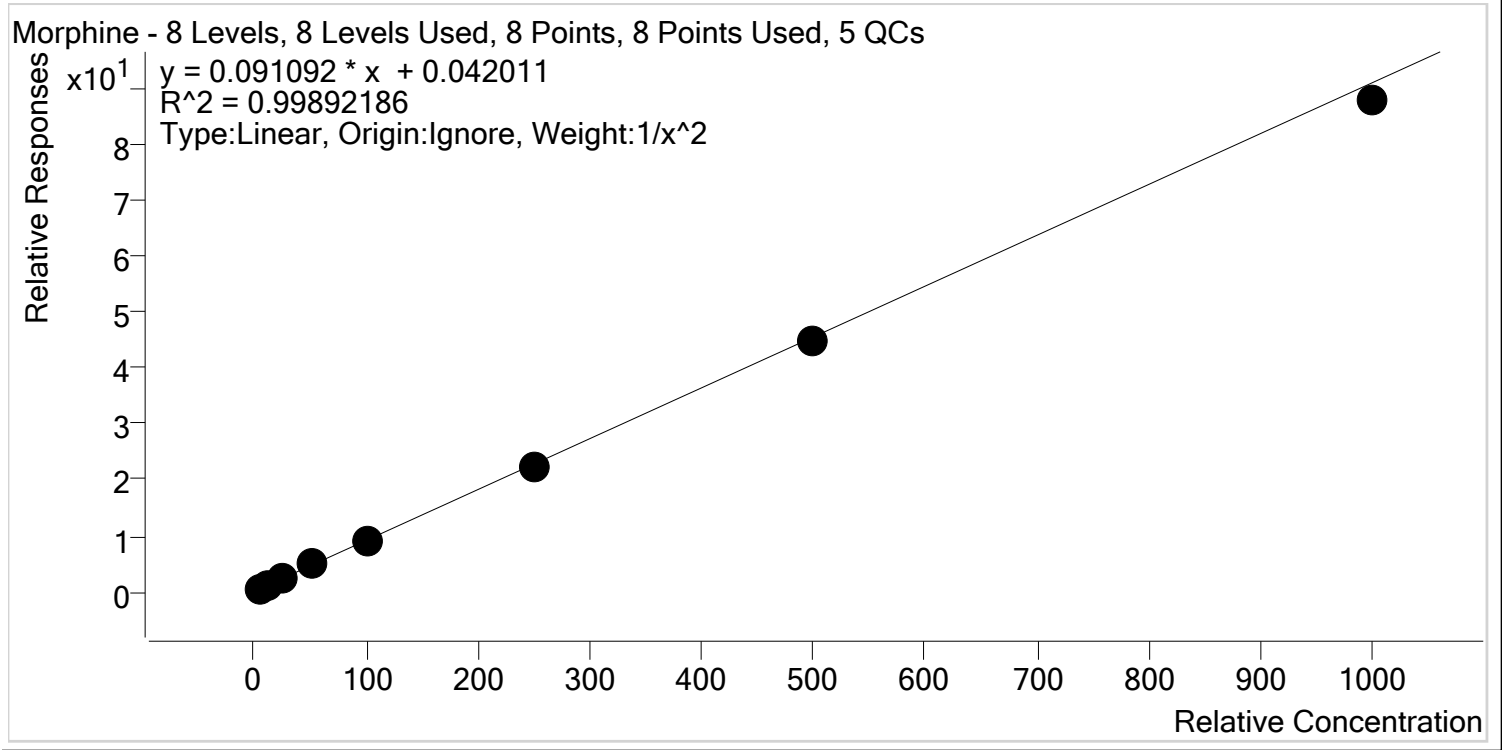


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	451.5	90.3
p1 Cal 8-1000ng	8	✗	1000.0	750.6	75.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

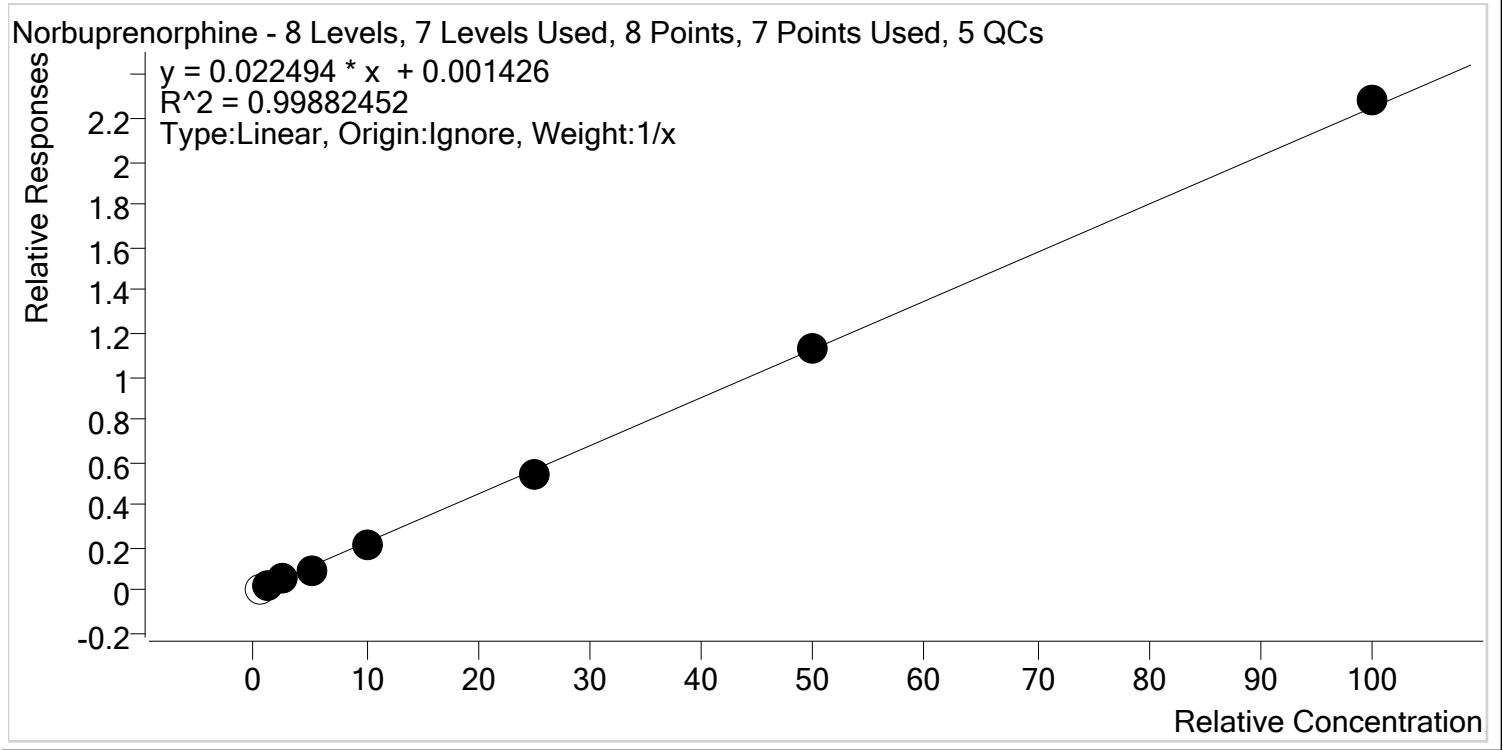


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	965.0	96.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

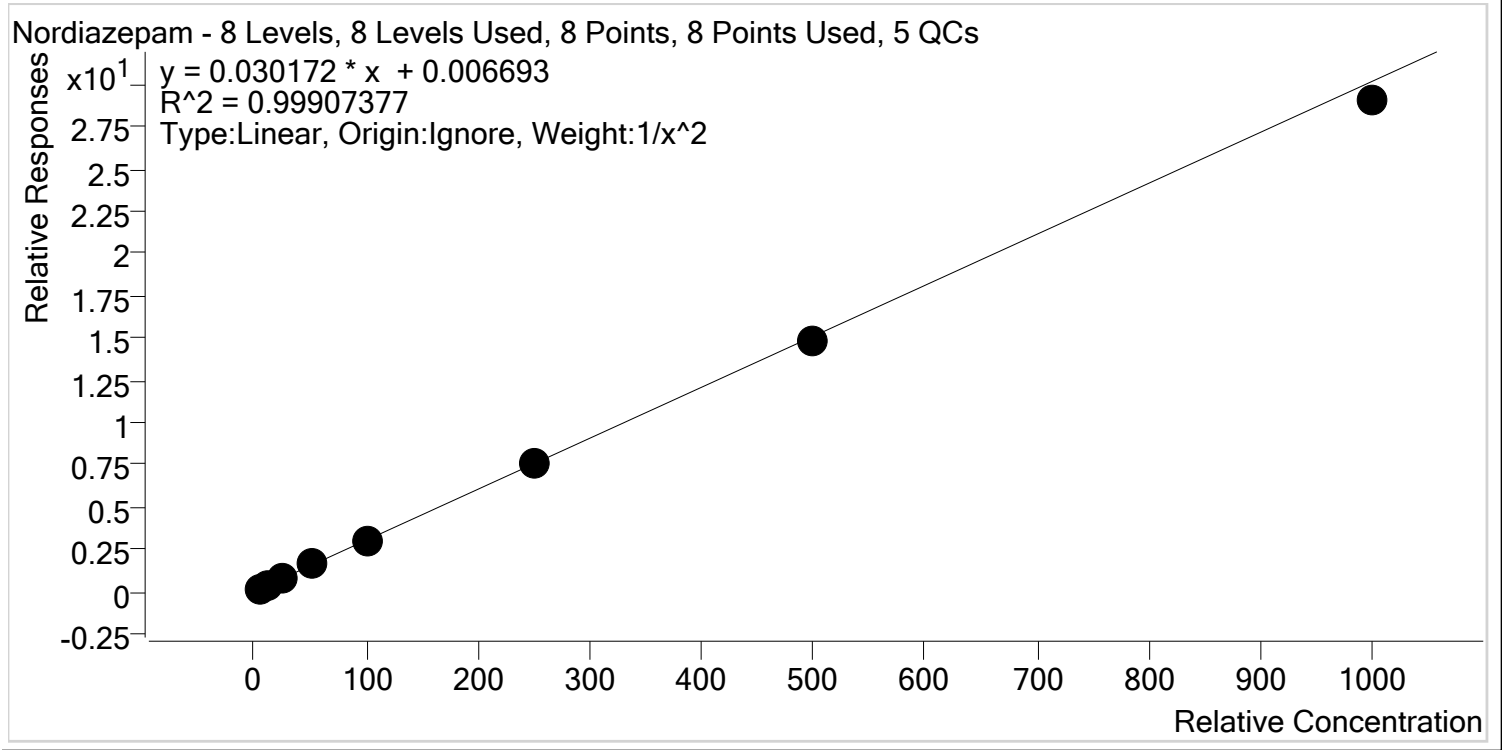


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.4	82.5
p1 Cal 2- 10ng	2	✓	1.0	1.1	109.0
p1 Cal 3 -25ng	3	✓	2.5	2.7	109.3
p1 Cal 4-50ng	4	✓	5.0	4.4	87.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	23.9	95.5
p1 Cal 7-500ng	7	✓	50.0	50.3	100.5
p1 Cal 8-1000ng	8	✓	100.0	101.5	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

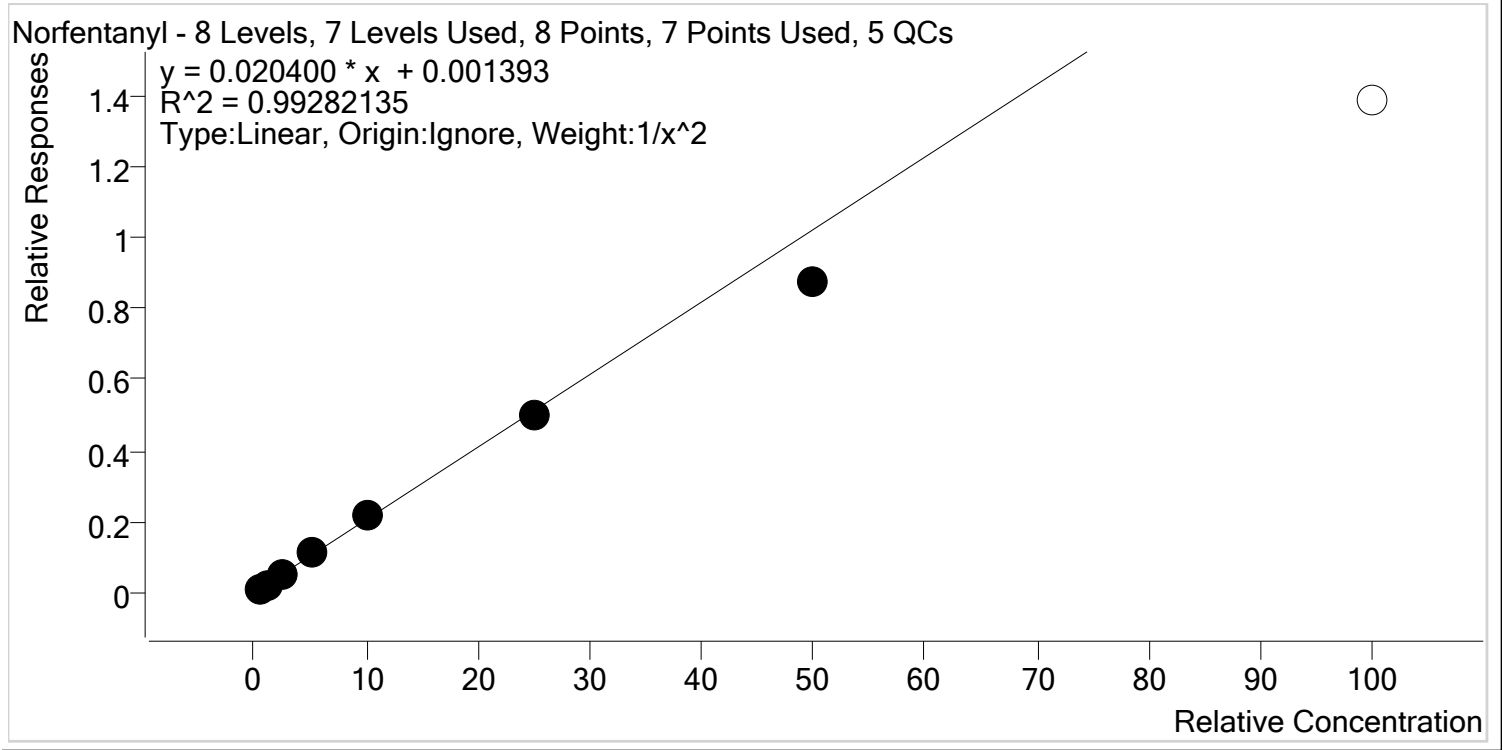


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	487.8	97.6
p1 Cal 8-1000ng	8	✓	1000.0	962.3	96.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

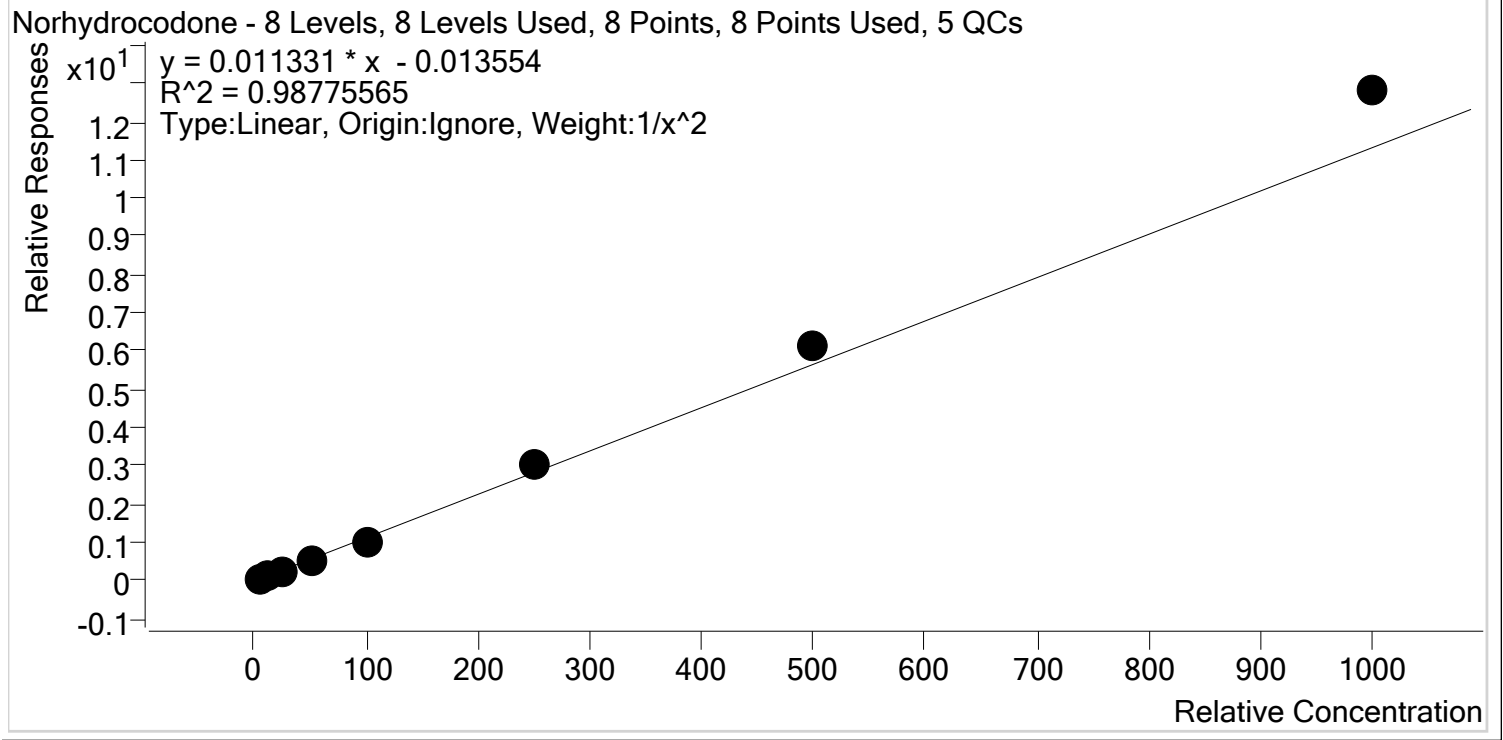


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.3
p1 Cal 4-50ng	4	✓	5.0	5.4	107.8
p1 Cal 5-100ng	5	✓	10.0	10.5	105.0
p1 Cal 6-250ng	6	✓	25.0	24.5	98.0
p1 Cal 7-500ng	7	✓	50.0	43.0	86.1
p1 Cal 8-1000ng	8	✗	100.0	67.8	67.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

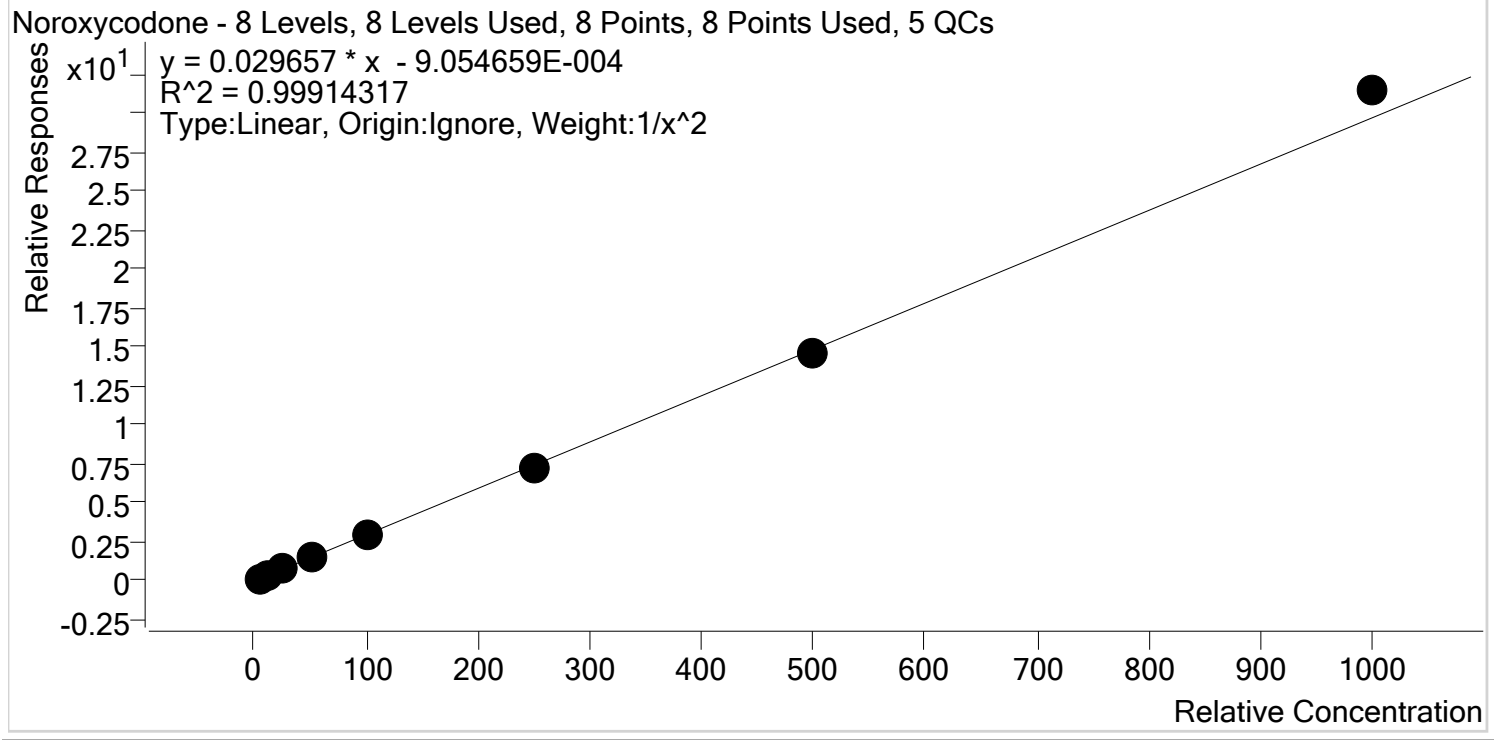


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.6
p1 Cal 4-50ng	4	✓	50.0	43.0	86.0
p1 Cal 5-100ng	5	✓	100.0	91.5	91.5
p1 Cal 6-250ng	6	✓	250.0	265.8	106.3
p1 Cal 7-500ng	7	✓	500.0	545.4	109.1
p1 Cal 8-1000ng	8	✓	1000.0	1131.8	113.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

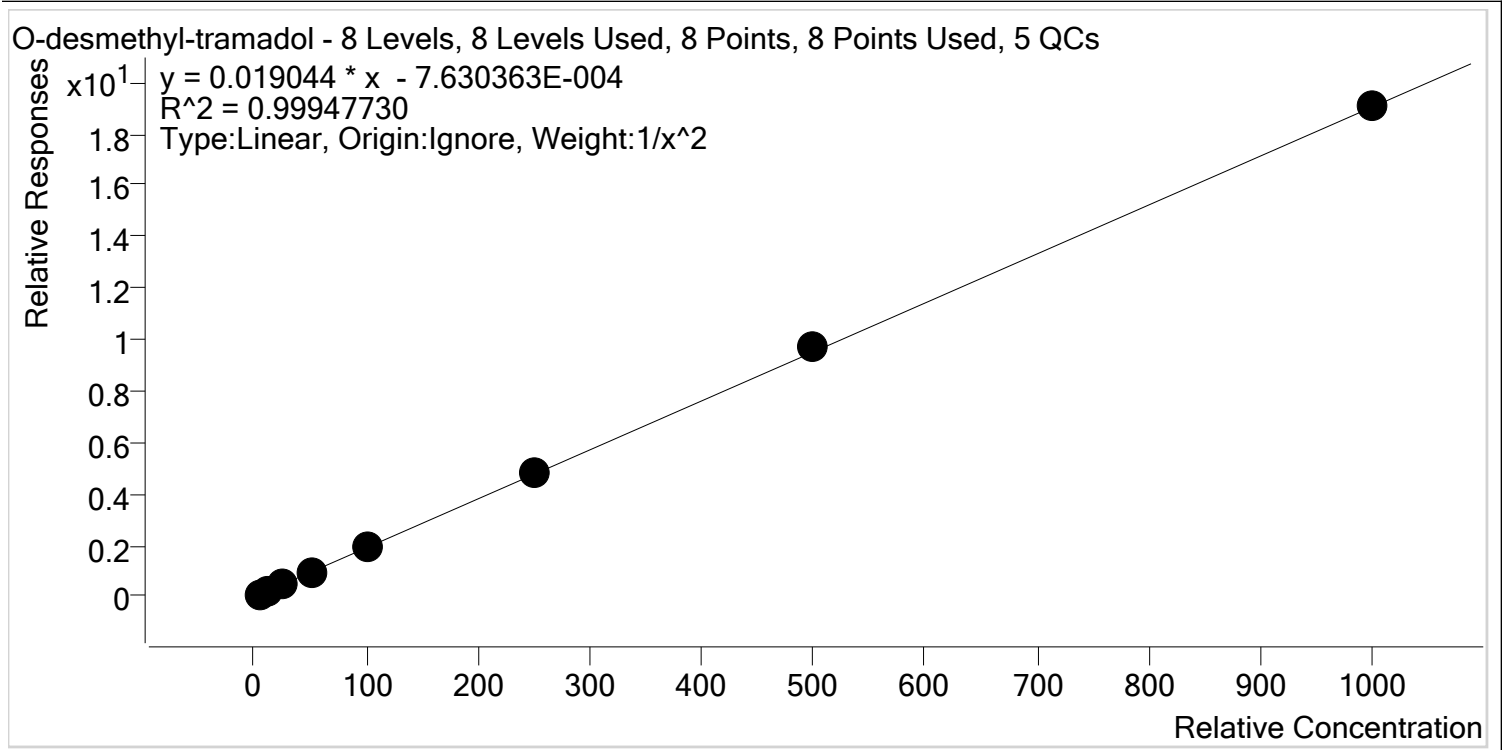


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1058.8	105.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

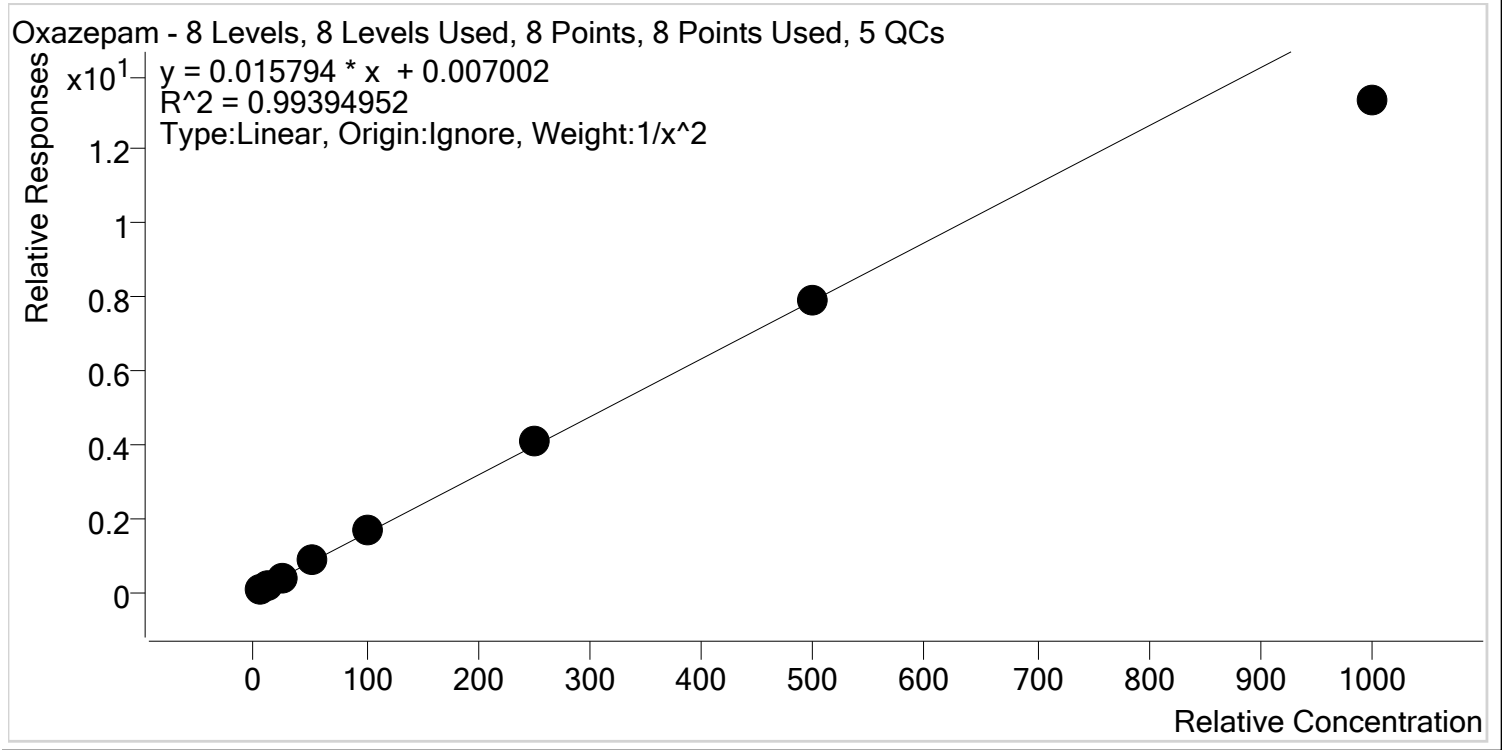


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1001.7	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

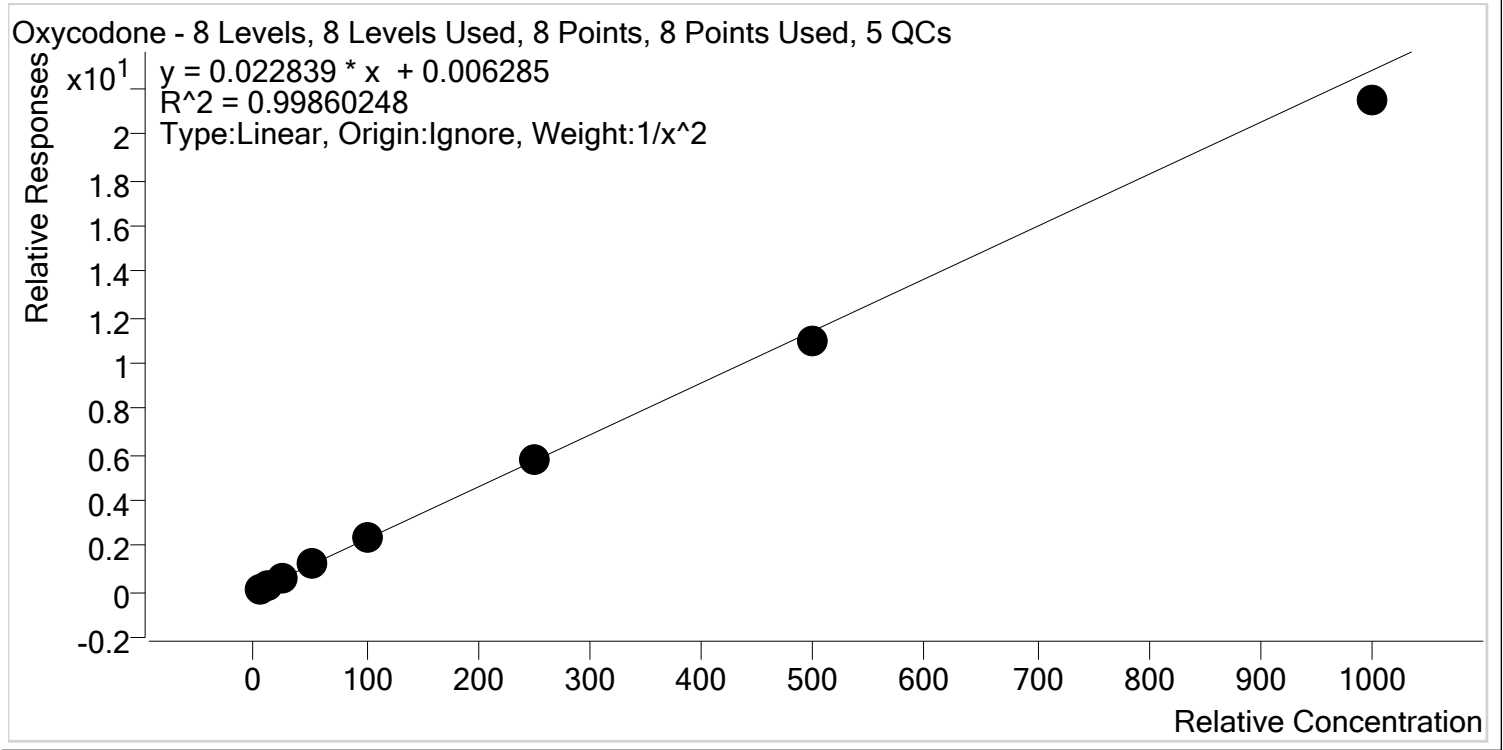


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	257.4	102.9
p1 Cal 7-500ng	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	843.7	84.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

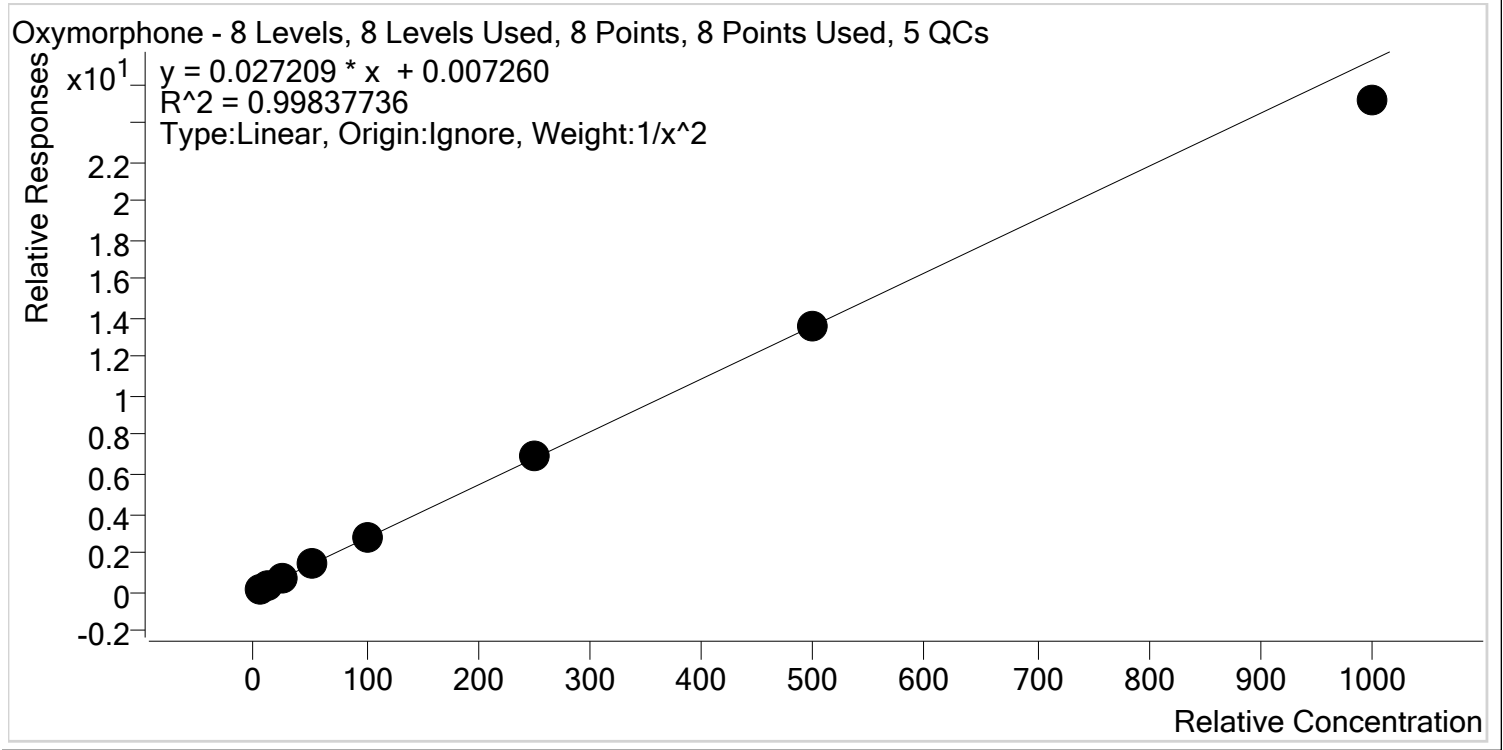


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	483.6	96.7
p1 Cal 8-1000ng	8	✓	1000.0	941.8	94.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

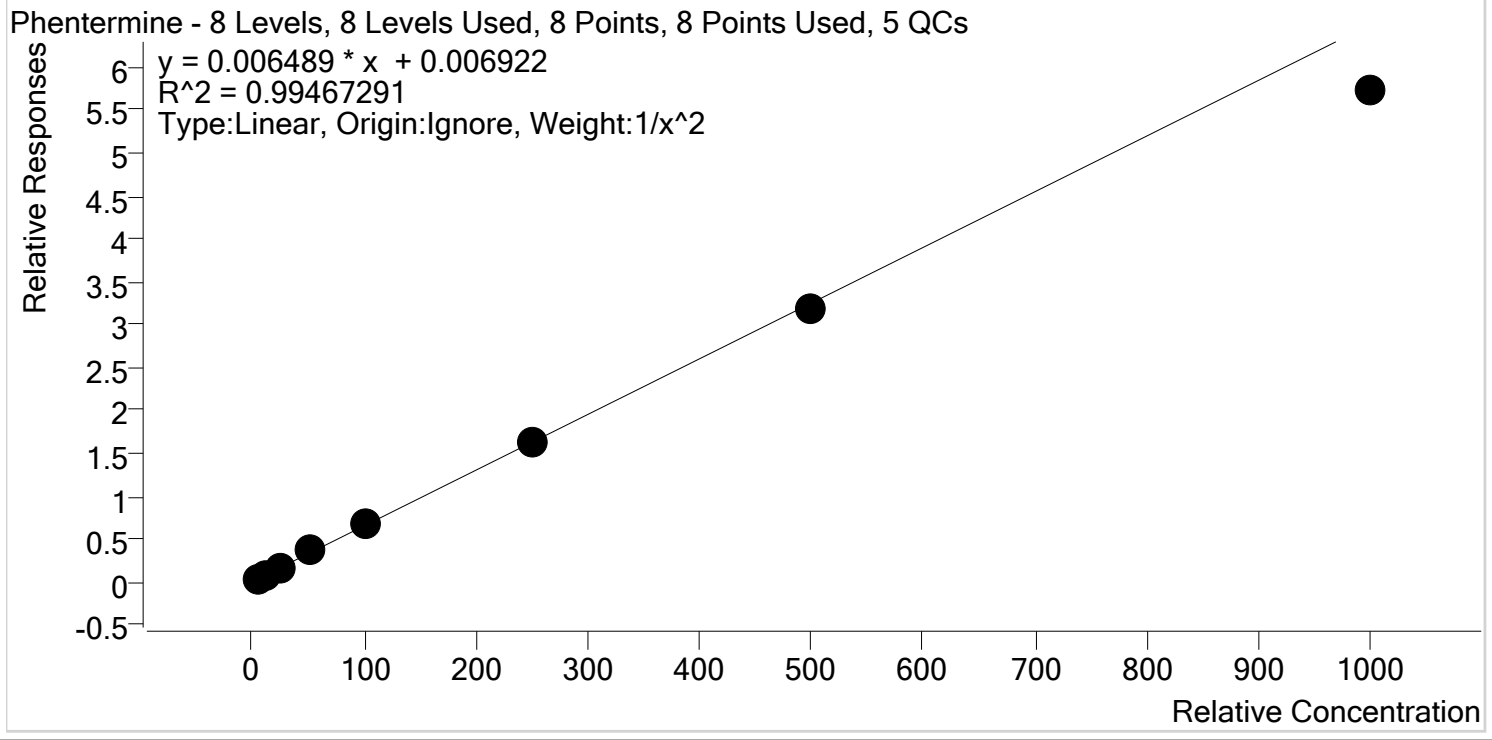


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	924.0	92.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



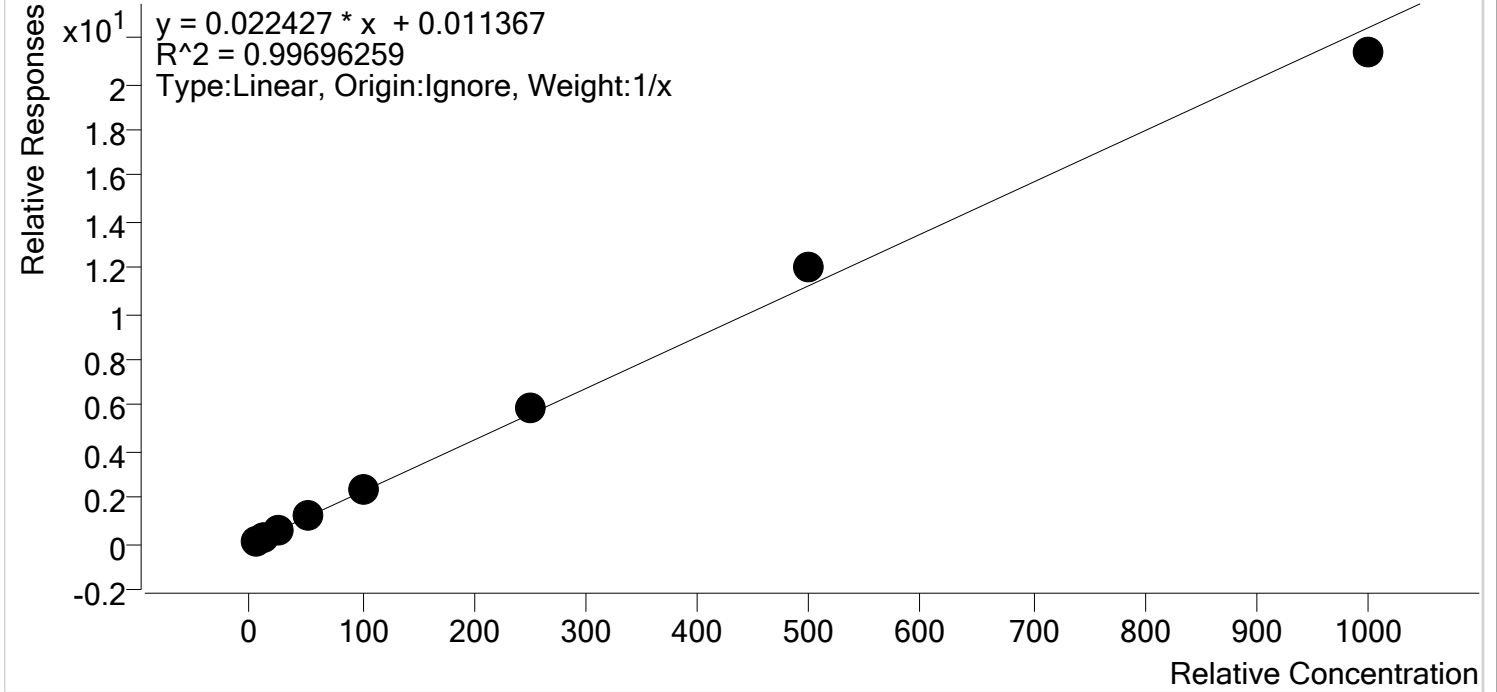
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	881.7	88.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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

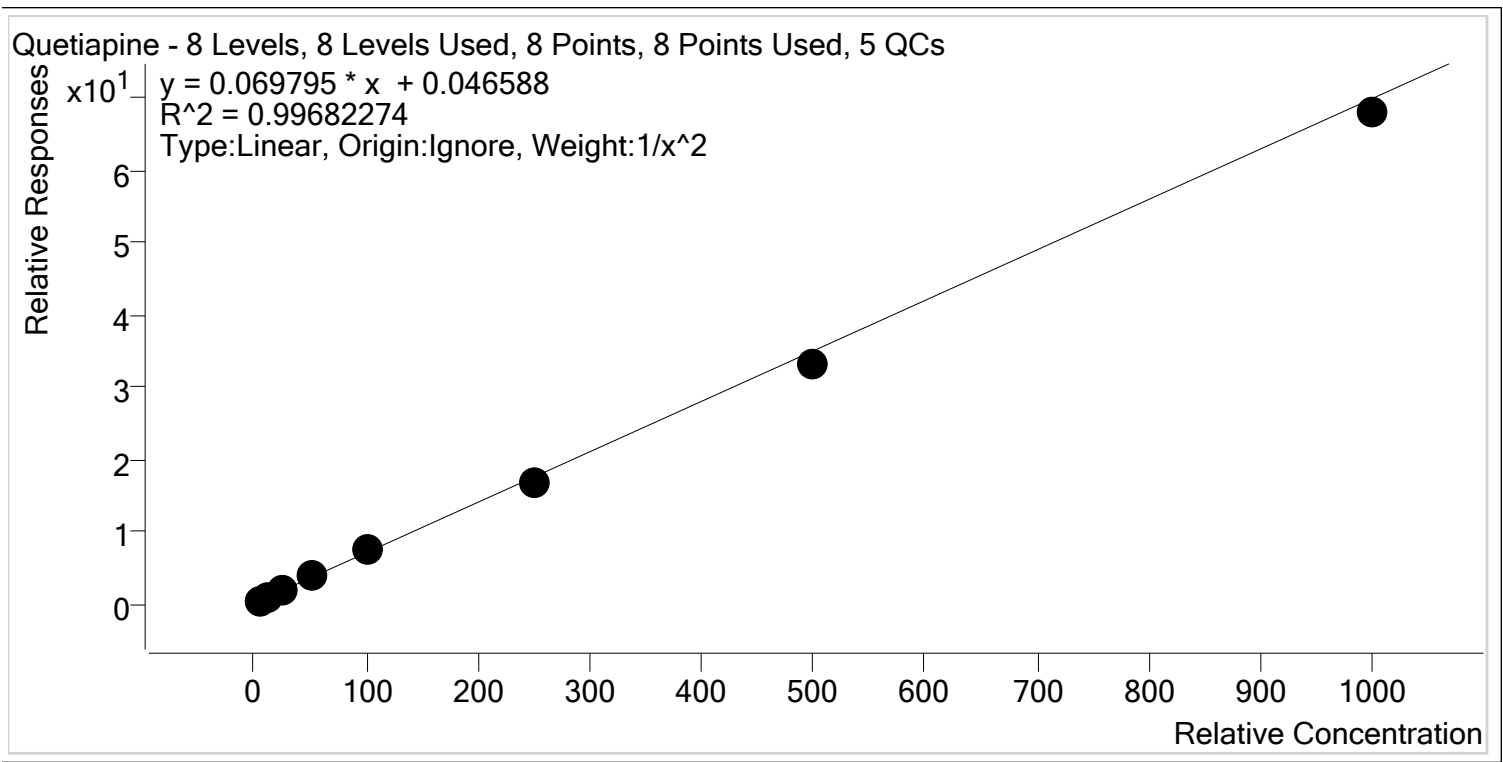


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	264.1	105.6
p1 Cal 7-500ng	7	✓	500.0	533.4	106.7
p1 Cal 8-1000ng	8	✓	1000.0	951.8	95.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

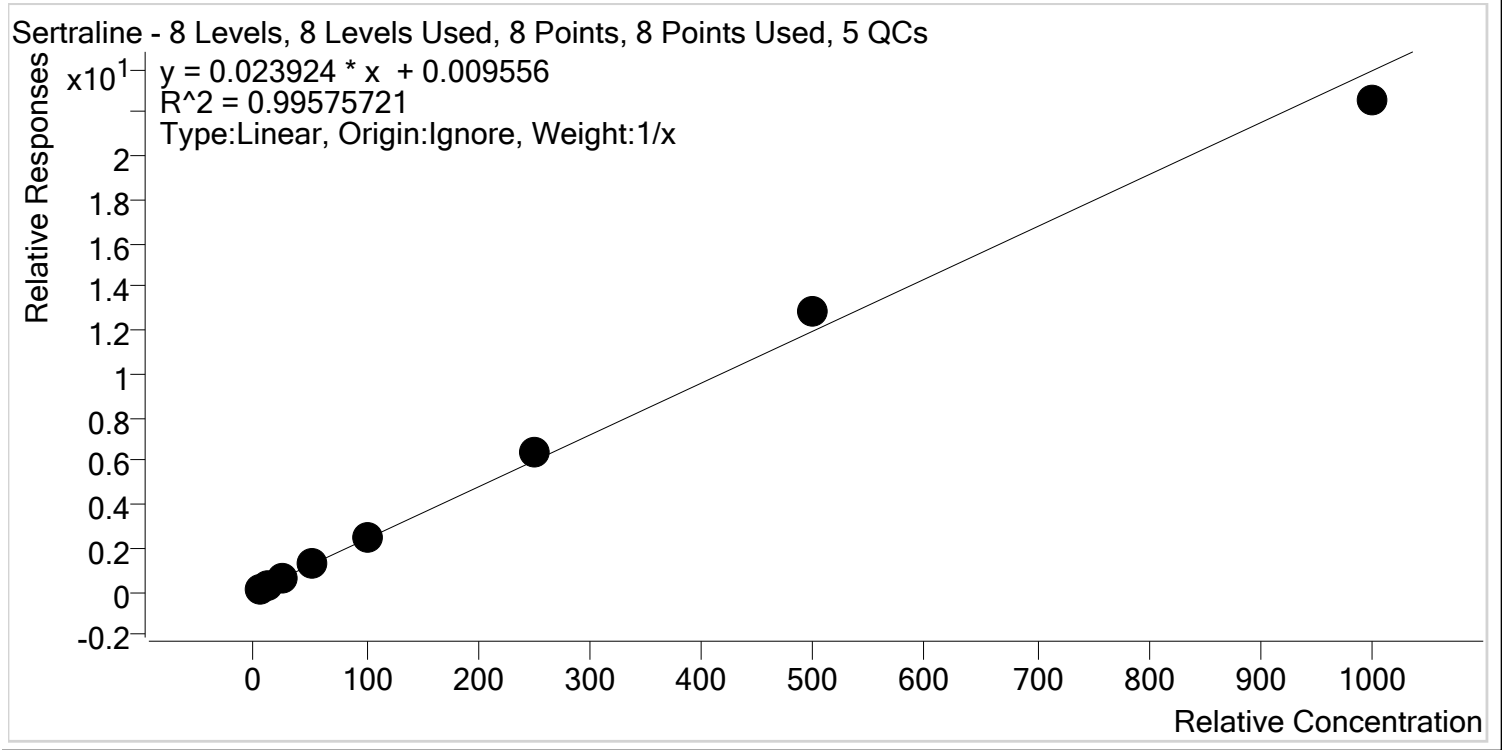


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	236.9	94.7
p1 Cal 7-500ng	7	✓	500.0	471.7	94.3
p1 Cal 8-1000ng	8	✓	1000.0	972.2	97.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



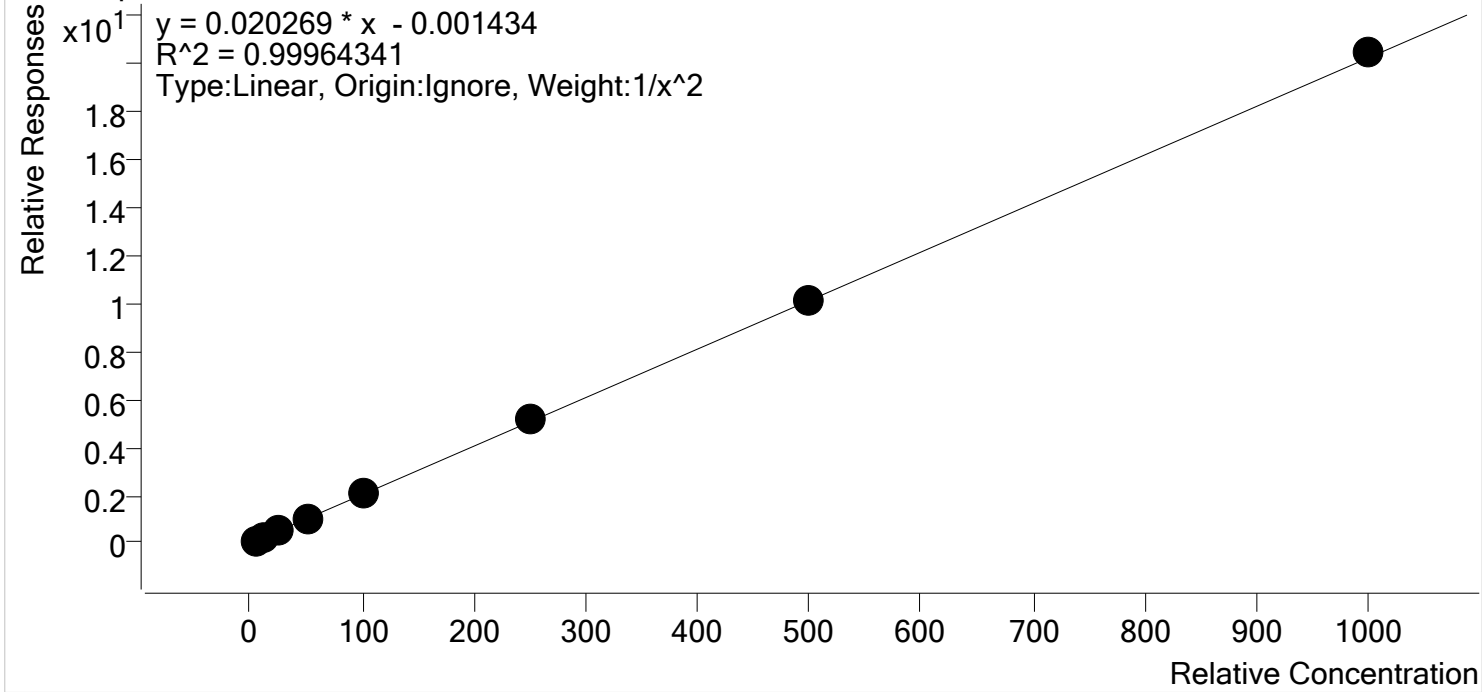
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	270.2	108.1
p1 Cal 7-500ng	7	✓	500.0	535.4	107.1
p1 Cal 8-1000ng	8	✓	1000.0	942.7	94.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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

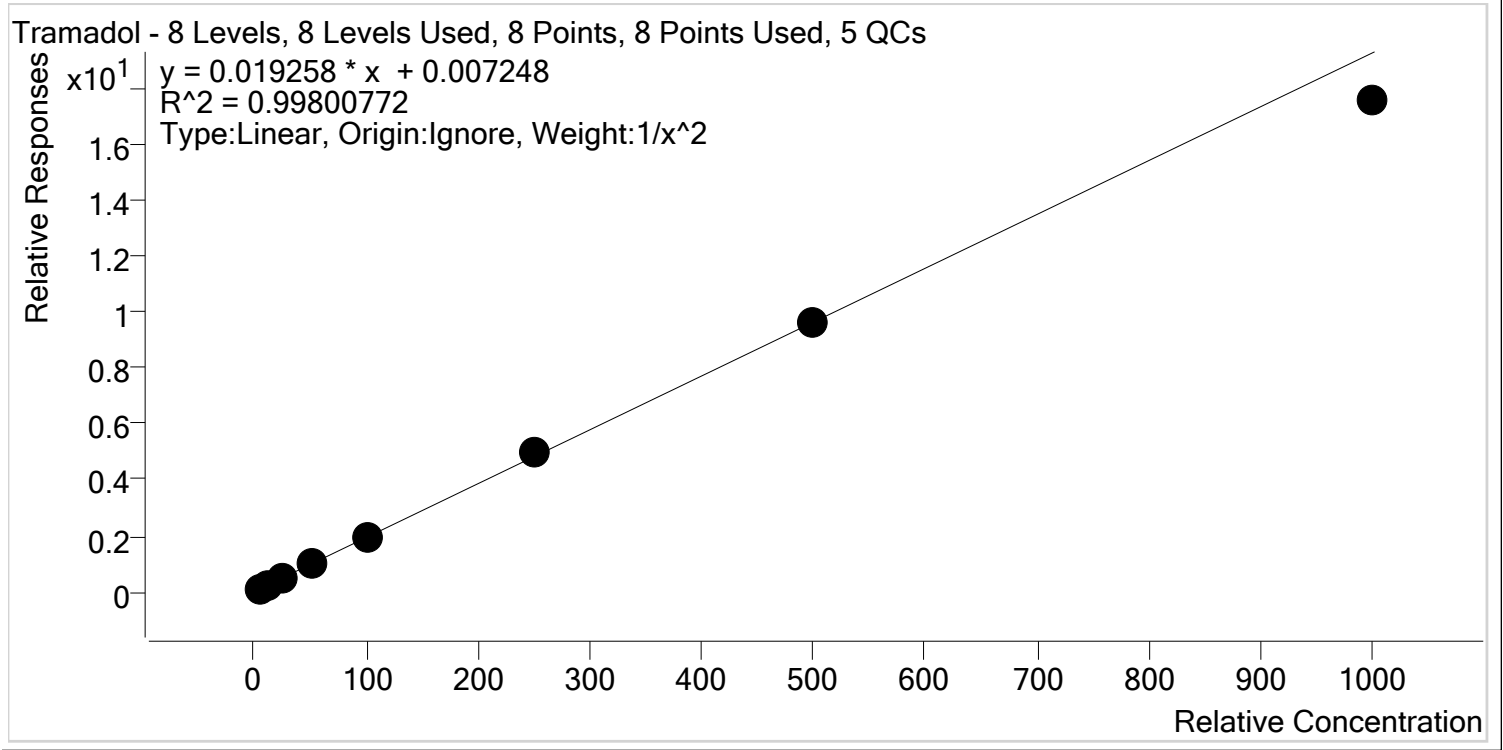


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1011.0	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

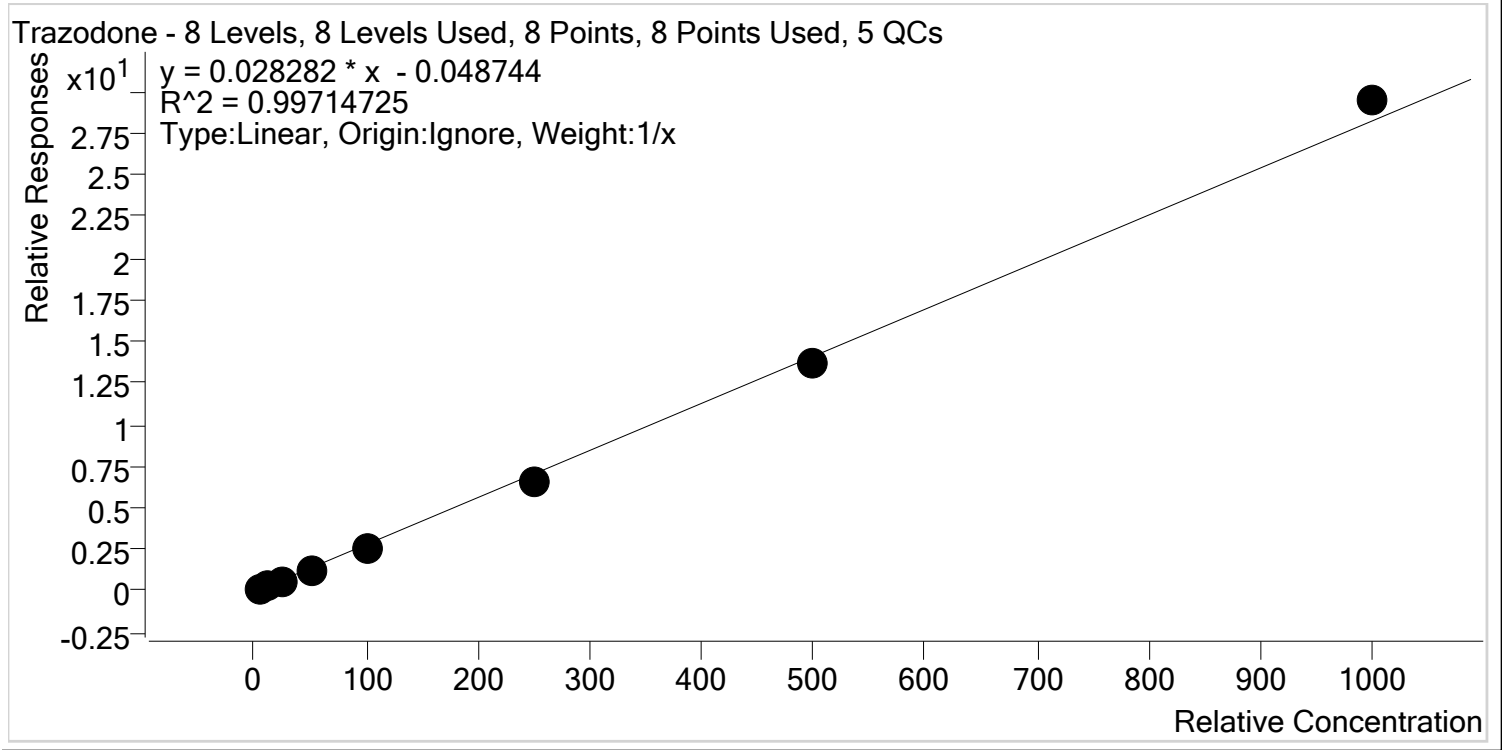


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	911.6	91.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

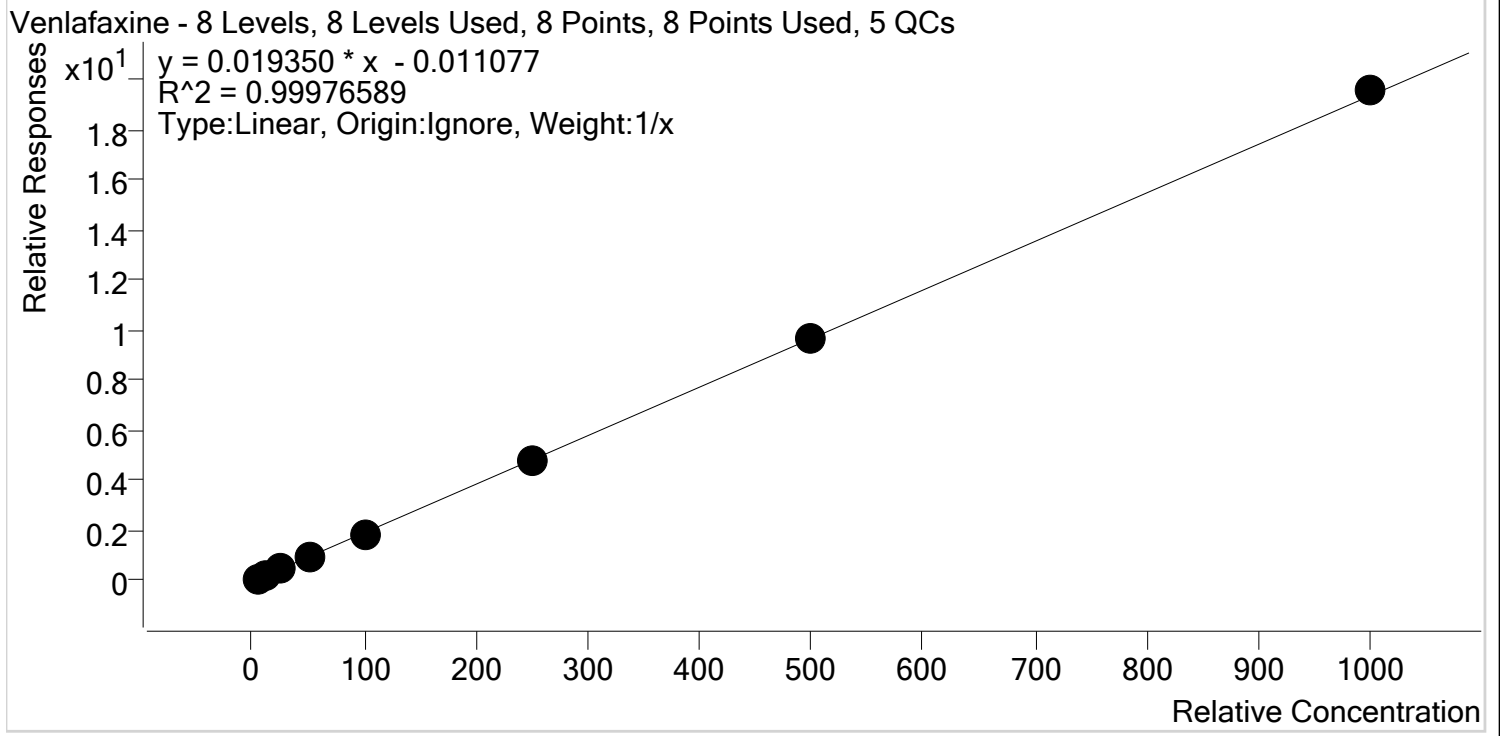


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.3	125.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	45.8	91.7
p1 Cal 5-100ng	5	✓	100.0	88.7	88.7
p1 Cal 6-250ng	6	✓	250.0	236.1	94.4
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1043.2	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

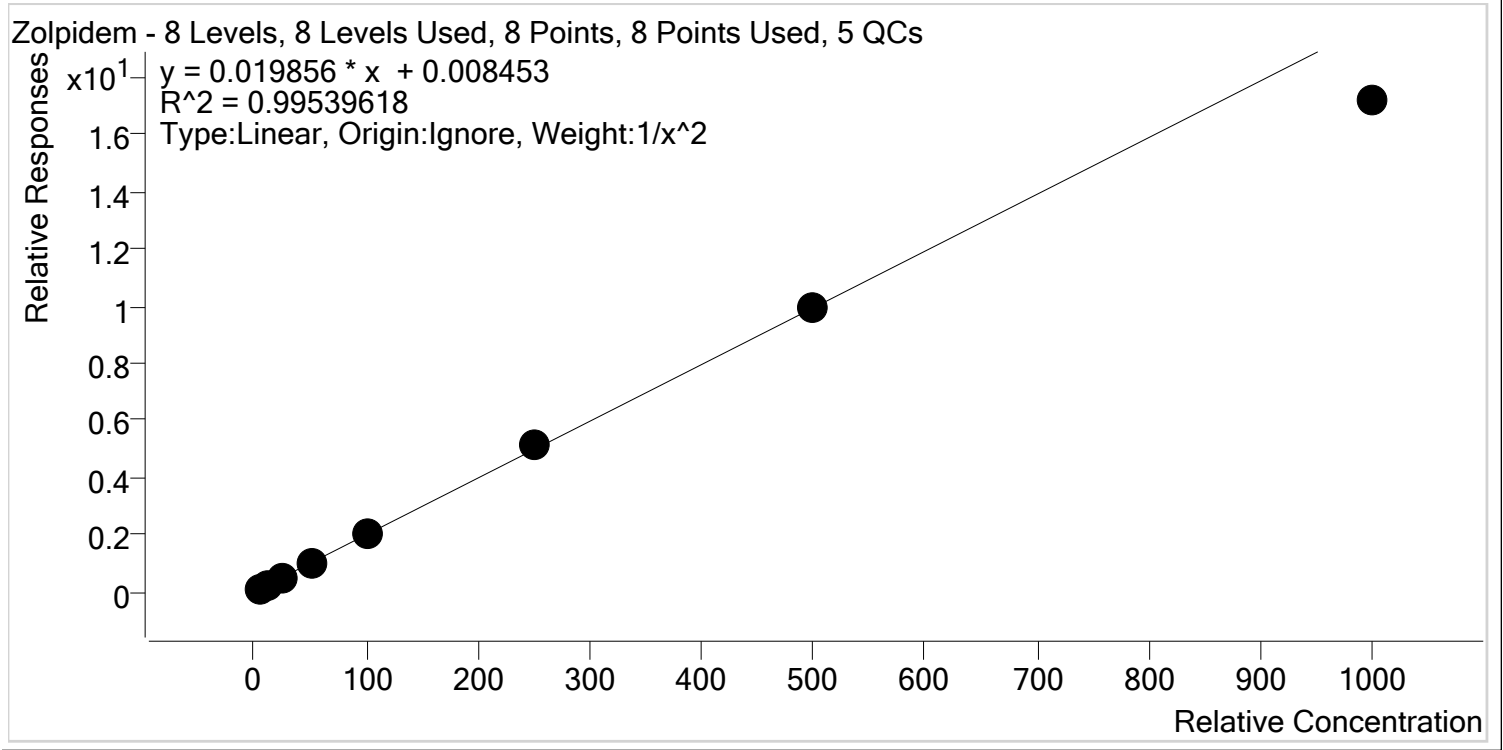


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1010.8	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 9/16/2020 12:37 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	259.4	103.8
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	865.4	86.5

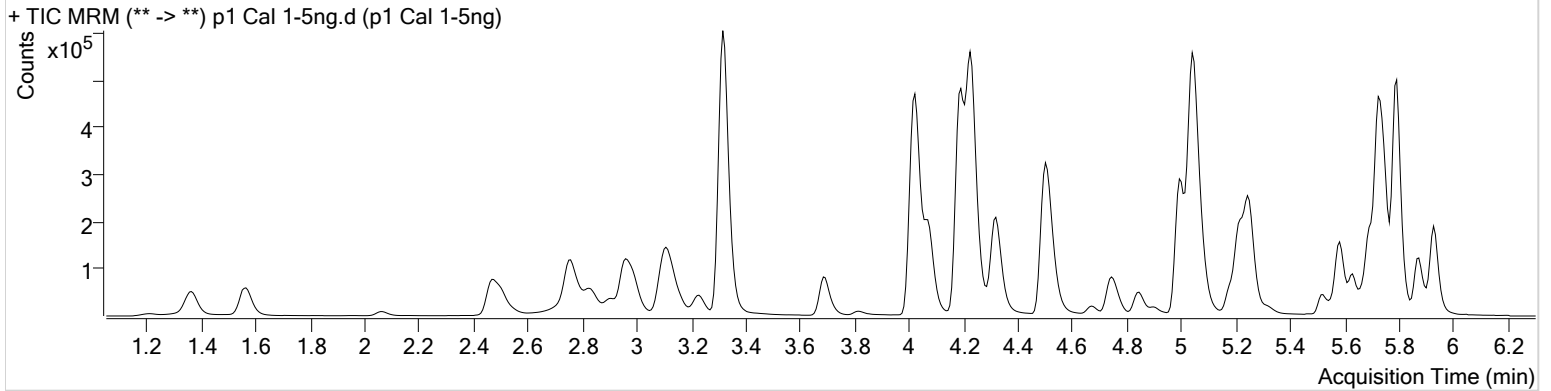
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-A5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 8:08:47 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	1490	4705.81	70.4	1754.15	61872	0.5004 ng/ml
7-aminoclonazepam	4.237	28981	1607.68	83.0	∞	217744	5.0127 ng/ml
a-hydroxyalprazolam	5.674	15571	459.64	60.7	215.29	74143	4.8525 ng/ml
alpha-PHP	4.908	10077	581.76	276.2	3704.98	468525	5.1069 ng/ml
alpha-PVP	4.329	57262	524.78	49.2	571.24	468525	5.1698 ng/ml
Alprazolam	5.751	52701	628.78	105.7	∞	301270	5.5303 ng/ml
Amphetamine	2.983	55097	510.83	47.0	702.26	81398	4.4189 ng/ml
Benzoylecgonine	3.838	3110	539.08	8.4	37.74	21107	5.1806 ng/ml
Buprenorphine	5.965	652	3.41 Low	17.1	17.02	47432	0.5329 ng/ml
Bupropion	4.766	34824	1719.76	61.0	460.02	197387	5.0764 ng/ml
Carisoprodol	5.700	30410	171907.79	52.5	245.73	278624	5.0395 ng/ml
Citalopram	5.183	15222	225.61	39.7	182.87	130518	5.0257 ng/ml
Clonazepam	5.581	64755	2158.23	32.6	1343.16	152631	4.7748 ng/ml
Cocaine	4.229	68892	566.34	44.0	638.75	931431	5.2991 ng/ml
Codeine	2.543	8520	27372.73	102.2	999.01	74858	5.1399 ng/ml
Cyclobenzaprine	5.605	4290	390.17	9.7	9.93 Low	35444	5.0437 ng/ml
Dextromethorphan	5.226	6412	∞	79.0	∞	61464	5.1104 ng/ml
Dextrorphan	4.077	14390	864.08	209.5	1402.36	356875	5.3888 ng/ml
Diazepam	5.936	33624	631.68	86.8	355.15	320079	4.9632 ng/ml
Dihydrocodeine	2.502	20822	∞	65.4	158.09	222845	4.7896 ng/ml
Diphenhydramine	5.253	23582	1199.44	33.2	146.55	374974	4.9695 ng/ml
Doxylamine	4.521	103131	9599.12	97.6	482.84	831855	5.0133 ng/ml
EDDP	5.218	33440	437.52	43.4	84.88	355755	5.0366 ng/ml
Fentanyl	5.100	683	32.30	53.8	∞	52947	0.5292 ng/ml
Fluoxetine	5.690	3550	130.41	9.5	16.39	27876	4.4081 ng/ml
Hydrocodone	2.986	25996	154.53	37.2	87.88	318048	4.7813 ng/ml
Hydromorphone	1.574	24517	242.29	78.1	323.07	157737	4.9033 ng/ml
Ketamine	4.043	54430	741.31	40.9	650.25	461241	4.8643 ng/ml
Lamotrigine	4.259	5133	602.04	87.9	929.57	461241	4.9412 ng/ml
Lorazepam	5.722	56183	486.36	55.1	231.36	152631	3.5987 ng/ml
MDA	3.137	40110	519.69	20.1	85.01	159133	4.8749 ng/ml
MDMA	3.237	35046	6578.96	60.7	1934.19	62664	4.9636 ng/ml
Meprobamate	4.869	11212	797.78	28.3	28.96	123089	4.8651 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	14514	∞	51.4	553.25	141560	5.0241 ng/ml
Methamphetamine	3.165	31611	150.21	40.6	174.21	240658	5.2594 ng/ml
Metoprolol	4.285	9378	26497.76	96.9	1377.11	1155885	4.9363 ng/ml
Mirtazapine	4.670	31422	1910.75	50.1	∞	468525	5.1791 ng/ml
Mitragynine	5.235	2880	353.37	36.6	5248.19	141560	4.8601 ng/ml
Morphine	1.220	4440	132.00	24.8	1621.65	9022	4.9412 ng/ml
Norbuprenorphine	4.944	69	1.78 Low	118.3 High	5.48 Low	6410	0.4124 ng/ml
Nordiazepam	5.876	32148	829.47	58.8	1031.96	206683	4.9335 ng/ml
Norfentanyl	4.037	9375	505.14	37.2	35.28	829900	0.4855 ng/ml
Norhydrocodone	3.014	2608	122.96	39.3	53.82	57000	5.2337 ng/ml
Noroxycodone	2.852	21884	221.33	50.5	248.38	148534	4.9984 ng/ml
O-desmethyl-tramadol	3.323	140629	2017.29	5.8	405.96	1466273	5.0764 ng/ml
Oxazepam	5.732	58134	470.19	72.8	292.89	688832	4.9000 ng/ml
Oxycodone	2.789	49807	418.59	30.8	548.12	418378	4.9374 ng/ml
Oxymorphone	1.370	23031	430.98	47.8	731.18	161631	4.9701 ng/ml
Phentermine	3.723	8849	281.76	3.1	15.39	223950	5.0225 ng/ml
Promethazine	5.522	10521	219.28	31.2	64.97	88841	4.7739 ng/ml
Quetiapine	5.586	18085	∞	60.9	∞	46070	4.9568 ng/ml
Sertraline	5.758	1705	20.63	92.5	4161.68	13927	4.7182 ng/ml
Temazepam	5.799	95022	1079.30	29.8	188.48	938523	5.0659 ng/ml
Tramadol	4.205	118229	913.25	3.6	113.22	1155885	4.9348 ng/ml
Trazodone	5.317	17769	∞	76.4	∞	138328	6.2654 ng/ml
Venlafaxine	5.001	64489	971.10	37.1	263.61	691014	5.3955 ng/ml
Zolpidem	5.067	147469	29478.62	30.7	2918.33	1395152	4.8977 ng/ml

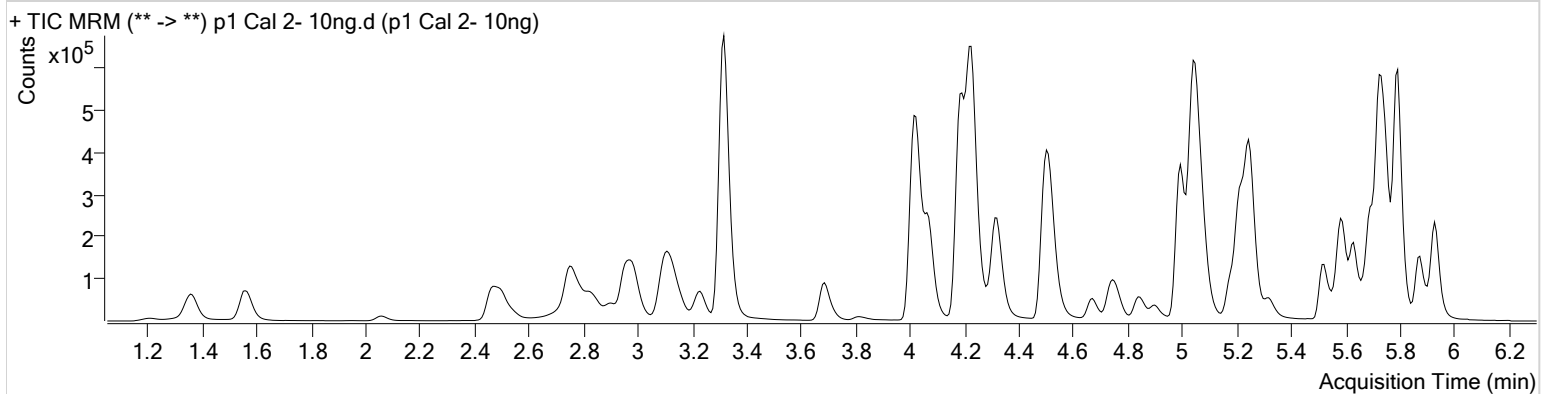
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-B5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 8:19:33 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	2997	367.29	69.6	454.83	64963	0.9813 ng/ml
7-aminoclonazepam	4.237	60770	1623.71	80.1	3790.08	228345	9.9450 ng/ml
a-hydroxyalprazolam	5.674	33300	283.27	58.8	378.42	78896	10.1753 ng/ml
alpha-PHP	4.902	22689	1671.60	267.3	3383.01	492020	10.0598 ng/ml
alpha-PVP	4.329	113434	716.16	50.6	502.49	492020	9.8817 ng/ml
Alprazolam	5.751	108781	601.55	105.8	841.52	316181	10.1009 ng/ml
Amphetamine	2.983	101702	2979.45	47.4	1255.37	91816	9.0401 ng/ml
Benzoylcegonine	3.838	5600	202.78	9.1	48.92	20270	9.5215 ng/ml
Buprenorphine	5.965	2103	43.57	15.0	18.32	81700	0.9985 ng/ml
Bupropion	4.760	66553	3859.67	60.0	497.73	208410	9.7385 ng/ml
Carisoprodol	5.700	59424	76679.74	55.0	446.20	294134	9.7191 ng/ml
Citalopram	5.183	44426	568.29	41.7	327.93	200669	9.7380 ng/ml
Clonazepam	5.581	133047	∞	34.4	638.21	154736	10.3434 ng/ml
Cocaine	4.223	141921	20276.25	45.9	2884.05	995602	10.0082 ng/ml
Codeine	2.543	17132	393.59	102.2	5088.31	77958	9.6821 ng/ml
Cyclobenzaprine	5.605	24703	49515.19	10.7	93.25	103089	9.7907 ng/ml
Dextromethorphan	5.219	23561	610.57	80.5	1008.03	111844	10.0659 ng/ml
Dextrorphan	4.070	31260	61045.83	207.6	1350.78	393157	10.2187 ng/ml
Diazepam	5.936	69705	920.86	87.0	778.19	331036	10.0584 ng/ml
Dihydrocodeine	2.502	43870	1266.62	63.3	393.48	231627	10.3534 ng/ml
Diphenhydramine	5.253	73916	∞	32.8	381.54	581930	9.9754 ng/ml
Doxylamine	4.514	225000	14142.05	98.0	26989.09	925930	9.9489 ng/ml
EDDP	5.218	89511	1378.92	42.3	1009.08	477784	9.9883 ng/ml
Fentanyl	5.100	3087	47.78	60.6	1367.31	135479	0.9470 ng/ml
Fluoxetine	5.690	25016	355.15	9.0	6416.22	98510	9.8254 ng/ml
Hydrocodone	2.986	53370	147.91	38.5	123.56	332270	10.2664 ng/ml
Hydromorphone	1.567	49165	724.18	77.8	900.84	154164	10.2619 ng/ml
Ketamine	4.043	108879	211.74	39.0	229.02	466429	10.2210 ng/ml
Lamotrigine	4.253	10368	342.11	89.3	498.65	466429	9.9291 ng/ml
Lorazepam	5.722	113281	712.53	55.5	296.92	154736	9.9792 ng/ml
MDA	3.137	88780	5765.76	19.7	150.58	178928	10.1417 ng/ml
MDMA	3.231	79144	∞	59.5	893.10	71582	9.9962 ng/ml
Meprobamate	4.862	23598	3597.13	27.5	629.06	131135	10.0751 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	54274	235.02	55.3	220.28	261840	9.9191 ng/ml
Methamphetamine	3.165	50244	216.45	40.9	440.45	260831	8.8746 ng/ml
Metoprolol	4.278	20742	3996.99	97.4	∞	1206286	10.2732 ng/ml
Mirtazapine	4.670	88863	2070.34	50.0	∞	492020	10.9638 ng/ml
Mitragynine	5.235	11194	∞	39.5	16772.37	261840	10.3924 ng/ml
Morphine	1.213	8396	2364.52	23.8	332.52	8816	9.9944 ng/ml
Norbuprenorphine	4.950	251	29.56	86.1	42.38	9652	1.0904 ng/ml
Nordiazepam	5.876	67938	1708.36	57.1	3768.00	216561	10.1757 ng/ml
Norfentanyl	4.037	19145	519.56	36.9	55.85	856009	1.0281 ng/ml
Norhydrocodone	3.014	5724	147.37	45.0	∞	59597	9.6724 ng/ml
Noroxycodone	2.852	44489	561.06	48.6	625.82	149024	10.0969 ng/ml
O-desmethyl-tramadol	3.323	280670	2125.67	6.2	716.62	1507176	9.8189 ng/ml
Oxazepam	5.732	119822	2243.43	74.4	1403.39	718017	10.1225 ng/ml
Oxycodone	2.782	104157	1523.06	30.8	574.25	438556	10.1239 ng/ml
Oxymorphone	1.363	47814	282.81	47.8	371.49	172084	9.9451 ng/ml
Phentermine	3.723	17032	∞	3.2	15.98	246128	9.5967 ng/ml
Promethazine	5.522	56679	550.09	30.6	261.93	251071	9.5592 ng/ml
Quetiapine	5.586	50858	1423.95	63.7	608607.74	69707	9.7861 ng/ml
Sertraline	5.765	11597	341.29	94.4	37177.85	49228	9.4471 ng/ml
Temazepam	5.799	196385	29353.14	29.9	308.30	993293	9.8250 ng/ml
Tramadol	4.197	243748	1726.19	3.4	157.32	1206286	10.1160 ng/ml
Trazodone	5.317	60673	∞	77.7	3768.83	249104	10.3356 ng/ml
Venlafaxine	4.994	145185	7206.77	35.4	220.37	785950	10.1192 ng/ml
Zolpidem	5.067	307926	22639.79	30.9	11718.51	1453036	10.2470 ng/ml

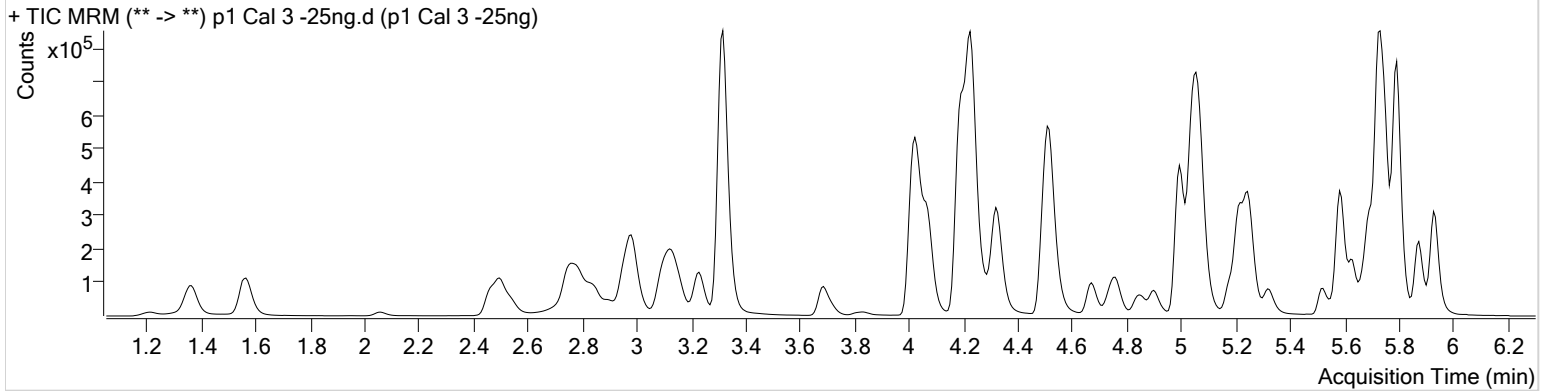
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-C5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 8:30:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	7934	1026.36	68.7	7283.16	66486	2.5769 ng/ml
7-aminoclonazepam	4.237	149042	11332.33	81.6	3824.78	221598	25.0136 ng/ml
a-hydroxyalprazolam	5.668	80530	1599.77	61.0	523.63	73663	27.0216 ng/ml
alpha-PHP	4.902	49659	∞	268.7	∞	471973	21.9556 ng/ml
alpha-PVP	4.329	270023	759.48	49.4	381.36	471973	24.7385 ng/ml
Alprazolam	5.751	261830	2694.75	104.8	1391.94	302437	24.2000 ng/ml
Amphetamine	2.983	248457	2503.70	47.9	3601.93	90299	26.6740 ng/ml
Benzoylcegonine	3.838	13566	1360.34	7.9	137.14	19105	24.1220 ng/ml
Buprenorphine	5.971	3585	59.04	13.5	10.29	53934	2.5798 ng/ml
Bupropion	4.766	130764	13826.45	61.2	602.22	169656	24.4649 ng/ml
Carisoprodol	5.700	145609	404234.04	53.1	940.07	285089	25.2723 ng/ml
Citalopram	5.183	79078	2459.95	41.6	59560.83	143433	24.5783 ng/ml
Clonazepam	5.581	329192	854.60	32.9	1342.69	151346	27.1584 ng/ml
Cocaine	4.223	351720	20240.60	45.6	31184.87	988683	24.6468 ng/ml
Codeine	2.543	44217	1074.53	103.3	411.50	79254	24.1813 ng/ml
Cyclobenzaprine	5.598	27390	1980.34	10.0	83.56	44253	24.9730 ng/ml
Dextromethorphan	5.219	36042	1268.44	79.5	477.16	68387	24.8085 ng/ml
Dextrophan	4.070	73480	5659.85	213.1	3442.34	380851	24.1974 ng/ml
Diazepam	5.936	171775	8885.30	86.8	696.22	327302	25.2327 ng/ml
Dihydrocodeine	2.502	111778	1144.85	64.3	1148.19	236858	26.7339 ng/ml
Diphenhydramine	5.253	127848	1214.87	31.6	2071.62	405915	24.6463 ng/ml
Doxylamine	4.514	528948	45257.67	97.3	∞	882801	24.7186 ng/ml
EDDP	5.218	184248	653.18	42.7	1342.15	405377	24.1600 ng/ml
Fentanyl	5.100	3328	204.38	67.5	9424.93	64489	2.1654 ng/ml
Fluoxetine	5.690	23860	918.27	8.4	282.00	38440	25.5218 ng/ml
Hydrocodone	2.986	136494	200.60	38.4	830.16	337515	27.2175 ng/ml
Hydromorphone	1.567	126622	∞	77.8	∞	160886	25.6052 ng/ml
Ketamine	4.043	268639	4574.63	39.8	761.31	467617	26.0490 ng/ml
Lamotrigine	4.259	27593	743.84	81.1	787.33	467617	26.4574 ng/ml
Lorazepam	5.722	271024	781.00	55.9	3380.16	151346	28.5370 ng/ml
MDA	3.130	207195	4764.24	19.7	335.35	167306	26.1547 ng/ml
MDMA	3.231	186946	31981.18	60.3	∞	66782	25.5969 ng/ml
Meprobamate	4.862	57133	805.85	26.5	2196.24	123472	26.6536 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	86110	1054.02	54.1	917.42	163607	24.8284 ng/ml
Methamphetamine	3.158	118864	433.08	41.9	320.23	258001	24.6902 ng/ml
Metoprolol	4.285	49855	4203.63	98.7	327.44	1207193	24.4379 ng/ml
Mirtazapine	4.670	172388	2045.19	50.0	8170.03	471973	20.3709 ng/ml
Mitragynine	5.235	16685	∞	40.3	29980.77	163607	25.0184 ng/ml
Morphine	1.220	21589	1788.28	24.4	590.97	8917	26.1184 ng/ml
Norbuprenorphine	4.950	426	55.63	71.1	15.57	6773	2.7322 ng/ml
Nordiazepam	5.876	163349	∞	58.2	5612.66	214997	24.9600 ng/ml
Norfentanyl	4.037	47098	677.90	38.0	227.65	871286	2.5816 ng/ml
Norhydrocodone	3.007	14327	81.88	42.4	132.73	57626	23.1378 ng/ml
Noroxycodone	2.845	114864	662.82	48.0	990.33	156964	24.7054 ng/ml
O-desmethyl-tramadol	3.317	717213	15113.49	6.1	1149.62	1558568	24.2044 ng/ml
Oxazepam	5.732	290194	∞	73.0	636.43	700623	25.7810 ng/ml
Oxycodone	2.782	263801	1877.43	31.3	963.90	453893	25.1728 ng/ml
Oxymorphone	1.363	119378	456.79	47.6	347.58	168532	25.7667 ng/ml
Phentermine	3.723	40752	1014.46	3.3	28.46	235645	25.5828 ng/ml
Promethazine	5.522	63058	1490.00	30.5	167.57	111167	24.7857 ng/ml
Quetiapine	5.586	105338	∞	59.0	197914.28	55146	26.7008 ng/ml
Sertraline	5.758	11264	699.81	97.7	253.30	18872	24.5486 ng/ml
Temazepam	5.793	484910	2629.77	30.0	384.29	977096	24.5551 ng/ml
Tramadol	4.197	600980	2560.09	3.4	642.00	1207193	25.4738 ng/ml
Trazodone	5.317	104111	∞	78.9	∞	167054	23.7594 ng/ml
Venlafaxine	4.994	343125	10955.06	36.1	853.83	737211	24.6264 ng/ml
Zolpidem	5.067	762761	149909.21	30.7	67918.10	1496464	25.2444 ng/ml

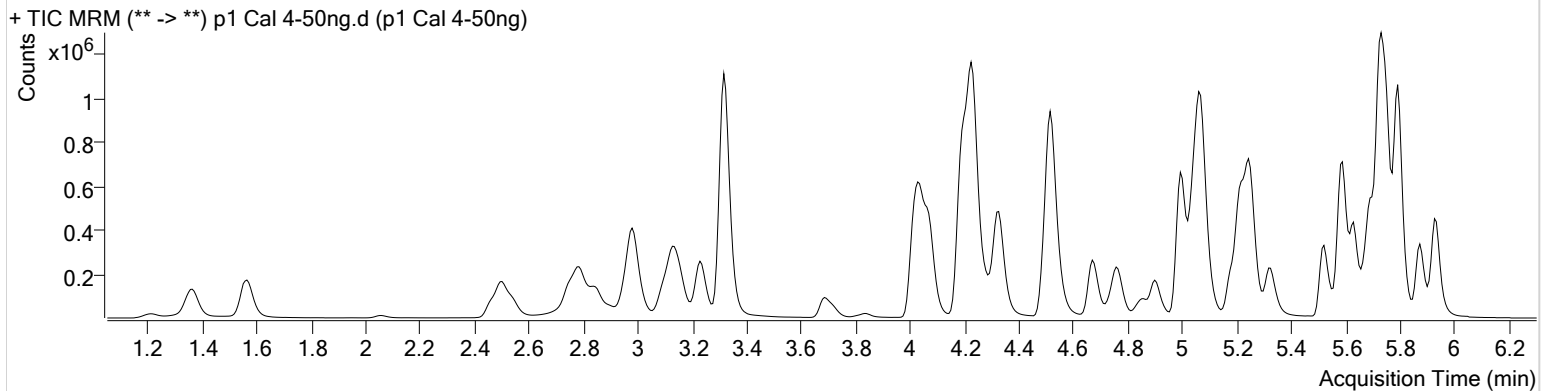
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-D5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 8:40:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	15208	633.54	72.1	12503.74	64191	5.1407 ng/ml
7-aminoclonazepam	4.237	284915	6869.75	81.9	12199.36	212043	49.8935 ng/ml
a-hydroxyalprazolam	5.674	152610	1306.72	63.8	3124.17	72903	52.1254 ng/ml
alpha-PHP	4.902	115196	1927.85	270.7	17963.16	481938	48.8886 ng/ml
alpha-PVP	4.329	561820	3549.58	50.5	1717.08	481938	50.5593 ng/ml
Alprazolam	5.751	515758	2587.99	104.2	2112.56	288115	49.1823 ng/ml
Amphetamine	2.983	500350	10275.64	47.2	8567.55	91003	56.1383 ng/ml
Benzoylcegonine	3.838	28320	1518.22	7.8	∞	19970	47.9579 ng/ml
Buprenorphine	5.971	11286	265.82	17.8	248.22	92537	4.7349 ng/ml
Bupropion	4.766	318473	1828.63	60.7	782.77	201701	50.8289 ng/ml
Carisoprodol	5.700	279785	14025.88	55.1	446.37	270293	51.6897 ng/ml
Citalopram	5.183	236223	60181.47	41.0	∞	210704	50.2074 ng/ml
Clonazepam	5.581	635500	6300.33	33.3	221778.03	147685	54.3635 ng/ml
Cocaine	4.229	686232	2238619.24	44.3	32275.16	949404	49.8496 ng/ml
Codeine	2.543	84755	∞	103.5	33981.27	75491	48.3986 ng/ml
Cyclobenzaprine	5.598	153088	27485.55	9.8	∞	123930	49.6438 ng/ml
Dextromethorphan	5.219	135617	31770.82	81.8	802.31	127691	49.7420 ng/ml
Dextrorphan	4.070	155044	2191.93	209.1	63292.72	389567	49.4693 ng/ml
Diazepam	5.936	332607	1167.18	86.9	3392.37	313596	51.1047 ng/ml
Dihydrocodeine	2.502	214827	1720.79	65.0	5024.66	227445	54.1353 ng/ml
Diphenhydramine	5.253	407846	∞	32.7	499.42	627988	50.7564 ng/ml
Doxylamine	4.514	1096027	101394.91	96.5	71708.92	897479	50.5141 ng/ml
EDDP	5.218	433638	993.72	42.6	1116.42	459605	50.0984 ng/ml
Fentanyl	5.100	17673	∞	60.9	3363.41	152529	4.8823 ng/ml
Fluoxetine	5.690	161293	13274.79	8.5	134.62	128120	52.8347 ng/ml
Hydrocodone	2.986	255089	949.62	39.9	249.41	311560	56.0277 ng/ml
Hydromorphone	1.567	240915	1313.26	77.7	∞	154569	50.8958 ng/ml
Ketamine	4.043	521579	1645.85	40.4	666.24	451743	52.9713 ng/ml
Lamotrigine	4.259	52765	3888.44	82.0	1823.15	451743	52.4305 ng/ml
Lorazepam	5.722	499933	∞	56.7	∞	147685	56.4850 ng/ml
MDA	3.137	449962	15913.56	19.5	1299.91	179602	53.4869 ng/ml
MDMA	3.231	402700	∞	61.4	5474.88	71590	51.6252 ng/ml
Meprobamate	4.862	115963	∞	26.2	1632.47	122972	54.8119 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	319955	68432.41	52.3	8883.71	299822	50.1018 ng/ml
Methamphetamine	3.158	229383	597.35	42.1	842.90	248975	51.8635 ng/ml
Metoprolol	4.285	103791	∞	96.4	3280.71	1190154	51.4175 ng/ml
Mirtazapine	4.670	473426	114610.21	50.1	∞	481938	51.8099 ng/ml
Mitragynine	5.242	65288	3343.07	38.6	21879.31	299822	53.6067 ng/ml
Morphine	1.213	42204	514.24	23.9	∞	8813	52.1092 ng/ml
Norbuprenorphine	4.951	1088	55.15	101.2	20.24	10953	4.3540 ng/ml
Nordiazepam	5.876	320200	1929.67	57.9	1712.24	201663	52.4035 ng/ml
Norfentanyl	4.037	96294	1213.30	35.8	324.47	865029	5.3887 ng/ml
Norhydrocodone	3.014	26767	60.42	44.9	212.21	56531	42.9839 ng/ml
Noroxycodone	2.852	219432	1842.19	48.6	568.85	149801	49.4226 ng/ml
O-desmethyl-tramadol	3.323	1412948	106511.18	6.0	619.97	1484568	50.0180 ng/ml
Oxazepam	5.732	549488	∞	72.9	1856.47	654881	52.6815 ng/ml
Oxycodone	2.782	505911	1476.09	31.1	2500.46	424204	51.9440 ng/ml
Oxymorphone	1.363	226556	1367.55	49.1	519.45	164367	50.3917 ng/ml
Phentermine	3.723	87500	1315.01	2.9	71.96	243901	54.2169 ng/ml
Promethazine	5.522	368724	2713.34	31.3	∞	321054	50.7032 ng/ml
Quetiapine	5.586	260762	12930.22	59.7	772391.37	70233	52.5286 ng/ml
Sertraline	5.758	78690	2114.42	89.4	301.56	64610	50.5082 ng/ml
Temazepam	5.793	936360	24027.41	30.5	4156.19	945059	48.9527 ng/ml
Tramadol	4.197	1177109	9558.67	3.4	740.43	1190154	50.9799 ng/ml
Trazodone	5.323	315665	∞	78.3	∞	252971	45.8446 ng/ml
Venlafaxine	4.994	728272	2680.09	36.7	4719.03	784279	48.5623 ng/ml
Zolpidem	5.067	1496052	∞	31.0	186.09	1441669	51.8364 ng/ml

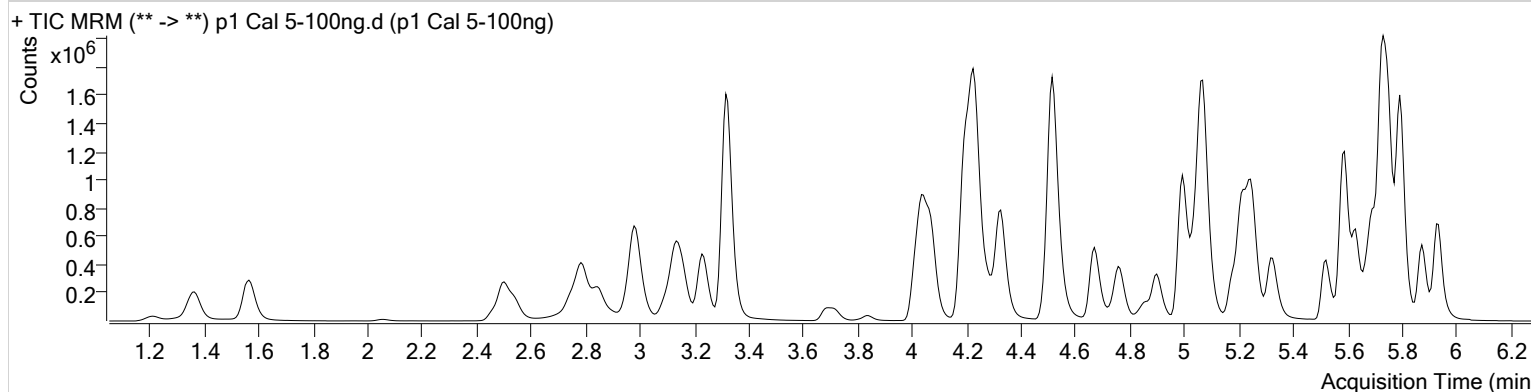
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-E5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 8:51:21 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	29789	∞	70.4	3204.21	64841	9.9913 ng/ml
7-aminoclonazepam	4.237	547652	3309.92	80.9	262.84	202450	100.3679 ng/ml
a-hydroxyalprazolam	5.668	286032	1464.56	62.4	1295.82	70460	101.4771 ng/ml
alpha-PHP	4.902	229828	29566.76	265.4	101727.10	481410	96.8693 ng/ml
alpha-PVP	4.329	1080889	893.34	50.0	4062.13	481410	97.5133 ng/ml
Alprazolam	5.751	953144	3301.82	105.1	7095.49	271153	95.8030 ng/ml
Amphetamine	2.983	858286	9820.42	47.7	6635.04	83120	107.9273 ng/ml
Benzoylcegonine	3.838	61328	697.01	7.7	231.74	21346	96.9282 ng/ml
Buprenorphine	5.971	22716	239.43	15.0	∞	88718	9.9419 ng/ml
Bupropion	4.766	577372	30895.40	61.7	2152.43	187244	99.9113 ng/ml
Carisoprodol	5.700	519562	∞	55.5	726.01	258326	100.8676 ng/ml
Citalopram	5.183	451501	702.61	41.3	1679.65	201601	100.5157 ng/ml
Clonazepam	5.581	1172401	10393.87	32.5	4315.75	138892	107.2663 ng/ml
Cocaine	4.223	1332087	366018.94	44.7	28236.66	948451	96.6554 ng/ml
Codeine	2.543	162025	1477.84	105.2	1561.82	73989	94.1544 ng/ml
Cyclobenzaprine	5.598	261367	34269.90	10.1	∞	100285	104.5195 ng/ml
Dextromethorphan	5.219	241145	8755.43	79.4	510.57	113745	99.0447 ng/ml
Dextrorphan	4.070	300039	24224.73	210.8	21646.27	388269	95.6572 ng/ml
Diazepam	5.936	630379	1999.11	86.1	2012.87	302122	100.6408 ng/ml
Dihydrocodeine	2.502	418756	1536.77	64.0	4086.69	226893	106.3798 ng/ml
Diphenhydramine	5.253	771320	25409.42	32.8	5769.50	603837	99.7715 ng/ml
Doxylamine	4.514	2226656	96196.81	97.3	118463.86	914158	100.8778 ng/ml
EDDP	5.211	840913	14093.91	43.1	1519.20	450052	99.1634 ng/ml
Fentanyl	5.100	30279	1407.84	65.2	2682.94	139878	9.1357 ng/ml
Fluoxetine	5.690	241382	15349.21	8.2	∞	100049	102.2099 ng/ml
Hydrocodone	2.986	492105	∞	39.9	566.95	325392	104.2553 ng/ml
Hydromorphone	1.567	459145	3745.32	78.0	∞	149748	100.3064 ng/ml
Ketamine	4.043	1026010	∞	39.5	10260.85	450550	105.0724 ng/ml
Lamotrigine	4.259	102104	1200.09	82.8	1465.27	450550	101.7830 ng/ml
Lorazepam	5.722	875124	∞	57.5	∞	138892	107.5939 ng/ml
MDA	3.137	847326	5137.46	19.2	2936.41	173496	104.8004 ng/ml
MDMA	3.231	770731	80330.60	62.5	14549.01	71224	99.4869 ng/ml
Meprobamate	4.862	216077	375.32	26.7	1027.40	119280	105.7316 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	583549	∞	52.9	831.09	272880	100.1666 ng/ml
Methamphetamine	3.165	484540	2320.47	41.6	520.59	266216	104.8881 ng/ml
Metoprolol	4.278	200337	26258.97	97.2	13286.68	1166463	101.0982 ng/ml
Mirtazapine	4.670	944100	33960.62	49.6	55205.73	481410	101.6762 ng/ml
Mitragynine	5.235	117022	∞	39.0	1052.37	272880	105.7303 ng/ml
Morphine	1.213	80963	1459.24	23.7	677.61	8934	99.0284 ng/ml
Norbuprenorphine	4.944	2325	331.30	77.3	104.84	10579	9.7061 ng/ml
Nordiazepam	5.876	597574	1651.90	58.0	2350.26	196123	100.7646 ng/ml
Norfentanyl	4.037	180610	3035.53	37.1	506.79	838061	10.4962 ng/ml
Norhydrocodone	3.014	51093	114.27	42.9	90.38	49939	91.4905 ng/ml
Noroxycodone	2.852	417892	2161.19	50.6	3016.32	143682	98.1000 ng/ml
O-desmethyl-tramadol	3.323	2725869	∞	6.0	3811.41	1449580	98.7851 ng/ml
Oxazepam	5.732	1004255	∞	71.2	∞	603685	104.8825 ng/ml
Oxycodone	2.782	1016021	3752.83	31.0	1437.44	432537	102.5761 ng/ml
Oxymorphone	1.363	436957	945.70	47.9	1264.98	153882	104.0960 ng/ml
Phentermine	3.723	163823	5184.92	2.8	111.40	234169	106.7405 ng/ml
Promethazine	5.522	606300	7650.05	30.7	609.26	266614	100.8927 ng/ml
Quetiapine	5.586	517310	37274.19	60.1	409249.18	70248	104.8429 ng/ml
Sertraline	5.758	119471	411.31	93.2	78467.44	48511	102.5422 ng/ml
Temazepam	5.793	1840969	122234.16	29.4	3595.61	893027	101.7768 ng/ml
Tramadol	4.197	2318659	43687.79	3.4	1207.46	1166463	102.8392 ng/ml
Trazodone	5.323	643761	32252.45	80.0	766.62	261723	88.6943 ng/ml
Venlafaxine	4.994	1450616	9576.26	36.3	1843.13	785695	95.9893 ng/ml
Zolpidem	5.067	3003127	992052.81	30.6	222923.23	1436574	104.8555 ng/ml

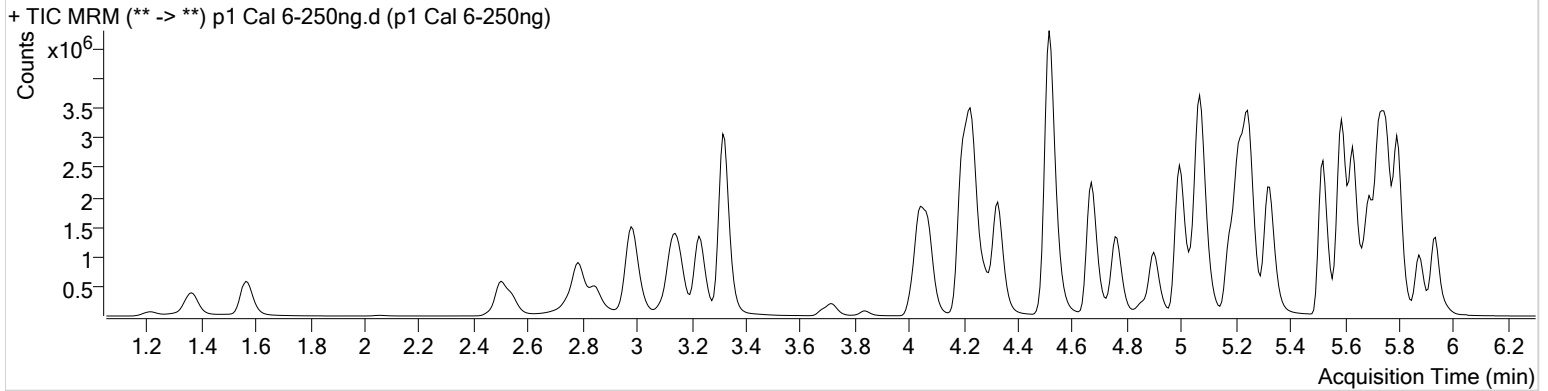
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-F5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 9:01:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	73599	1790.79	70.4	8225.88	64326	24.9192 ng/ml
7-aminoclonazepam	4.237	1159740	14517.59	81.1	18451.96	170245	252.6340 ng/ml
a-hydroxyalprazolam	5.668	605535	1553.83	60.0	713.67	58782	258.1518 ng/ml
alpha-PHP	4.902	771367	17758.79	263.7	12268.75	525215	296.3893 ng/ml
alpha-PVP	4.329	3033929	171710.04	49.2	2203.47	525215	251.1100 ng/ml
Alprazolam	5.751	1978311	3690.83	103.9	6476.49	220780	242.9707 ng/ml
Amphetamine	2.983	2247113	13026.67	48.2	20563.27	101011	235.8014 ng/ml
Benzoylecgonine	3.838	144838	1792.90	7.8	596.93	19901	245.1989 ng/ml
Buprenorphine	5.971	124307	2224.40	16.1	137.32	196026	24.6241 ng/ml
Bupropion	4.766	2142063	307873.05	61.1	3690.19	272812	255.4611 ng/ml
Carisoprodol	5.700	984149	1086.03	54.6	413.73	193144	256.2455 ng/ml
Citalopram	5.176	2162464	893.13	41.5	1825.25	378559	256.7206 ng/ml
Clonazepam	5.581	2155455	93151.67	33.0	3155.68	111816	245.7948 ng/ml
Cocaine	4.223	3252222	127280.63	44.4	57103.89	904368	247.1377 ng/ml
Codeine	2.543	378452	1757.20	103.9	17481.45	65564	247.7602 ng/ml
Cyclobenzaprine	5.598	1637053	233544.13	10.0	3287.22	254301	257.8732 ng/ml
Dextromethorphan	5.219	1272059	1841.15	79.2	1752.10	239179	248.0908 ng/ml
Dextrophan	4.070	852718	46641.20	211.0	3074.93	428077	245.9175 ng/ml
Diazepam	5.936	1393540	30210.14	86.3	2885.99	263446	255.3101 ng/ml
Dihydrocodeine	2.502	976665	23883.49	65.7	4525.11	220014	256.7507 ng/ml
Diphenhydramine	5.253	3692592	1138.56	32.4	947.23	1147291	251.2990 ng/ml
Doxylamine	4.514	6657661	238848.73	96.6	∞	1060205	260.2747 ng/ml
EDDP	5.211	2710527	69883.33	43.0	1095.17	574628	250.2628 ng/ml
Fentanyl	5.100	206657	1046.07	66.3	949.83	349790	24.9630 ng/ml
Fluoxetine	5.690	1711904	58638.84	8.5	∞	281471	259.2439 ng/ml
Hydrocodone	2.986	1134229	454.37	40.3	135.40	313835	250.3951 ng/ml
Hydromorphone	1.567	1041836	∞	79.3	∞	139423	244.7326 ng/ml
Ketamine	4.044	2453605	∞	39.9	1620.66	449955	252.4567 ng/ml
Lamotrigine	4.259	223864	16412.22	81.6	5186.52	449955	223.5257 ng/ml
Lorazepam	5.722	1509616	10728.45	55.7	8943.48	111816	233.8063 ng/ml
MDA	3.130	2321856	48130.91	18.6	3924.51	195934	255.0919 ng/ml
MDMA	3.231	2315110	120196.84	61.8	19949.05	85269	249.9007 ng/ml
Meprobamate	4.862	437471	68220.90	26.2	5730.70	107676	237.7241 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	3249946	93951.99	51.8	31558.37	597889	254.2496 ng/ml
Methamphetamine	3.158	1347750	3209.60	41.8	39994.17	299908	262.6300 ng/ml
Metoprolol	4.285	533806	∞	96.8	17729.26	1194127	262.8692 ng/ml
Mirtazapine	4.670	4150763	395051.88	49.0	107375.03	525215	404.3995 ng/ml
Mitragynine	5.235	578787	∞	39.0	∞	597889	238.8789 ng/ml
Morphine	1.213	181712	2739.58	23.6	414.22	8097	245.8878 ng/ml
Norbuprenorphine	4.951	12824	730.61	89.0	3517.89	23812	23.8783 ng/ml
Nordiazepam	5.876	1305997	3518.34	57.8	24600.68	172352	250.9250 ng/ml
Norfentanyl	4.037	458017	57645.71	37.1	5435.83	913588	24.5077 ng/ml
Norhydrocodone	3.014	118817	201.59	41.1	120.27	39626	265.8221 ng/ml
Noroxycodone	2.852	962798	1532.21	49.6	∞	131266	247.3489 ng/ml
O-desmethyl-tramadol	3.317	6601785	278432.47	5.8	2438.84	1351308	256.5827 ng/ml
Oxazepam	5.732	1861601	18066.25	71.2	7953.70	457178	257.3684 ng/ml
Oxycodone	2.782	2436630	4250.44	31.5	2675.44	418108	254.8963 ng/ml
Oxymorphone	1.363	984844	∞	47.5	∞	143709	251.6041 ng/ml
Phentermine	3.723	462987	4864.98	2.9	∞	284427	249.7745 ng/ml
Promethazine	5.522	4323967	303940.20	29.4	3382.77	728730	264.0673 ng/ml
Quetiapine	5.587	2013906	425451.90	61.1	72838.42	121473	236.8731 ng/ml
Sertraline	5.765	840580	114680.67	91.1	174742.04	129863	270.1584 ng/ml
Temazepam	5.793	4030924	4623.38	29.3	1662.67	784385	253.6069 ng/ml
Tramadol	4.197	5922761	5306.63	3.3	2795.30	1194127	257.1687 ng/ml
Trazodone	5.323	3246008	∞	78.2	∞	489712	236.0926 ng/ml
Venlafaxine	4.994	4384312	4675.50	35.8	1957.73	921398	246.4850 ng/ml
Zolpidem	5.067	7242122	856569.53	29.8	332898.07	1403526	259.4410 ng/ml

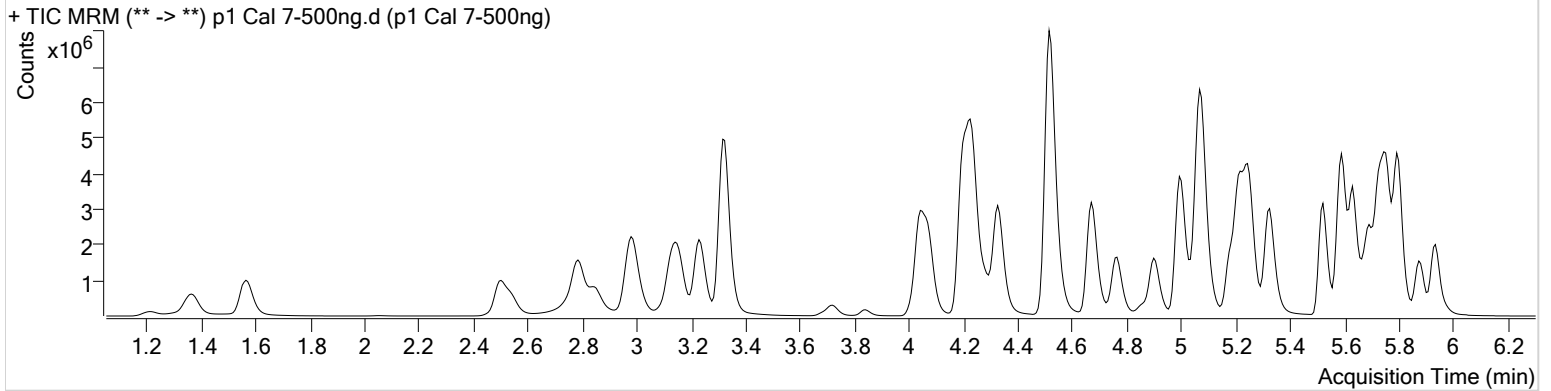
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-G5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 9:12:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	144199	3794.81	70.0	1616.94	63679	49.3437 ng/ml
7-aminoclonazepam	4.237	1688553	19687.91	82.6	11375.88	126170	496.2441 ng/ml
a-hydroxyalprazolam	5.668	962602	8064.86	61.8	6256.95	51258	470.9626 ng/ml
alpha-PHP	4.902	1174533	25793.71	264.9	15364.85	451252	524.6715 ng/ml
alpha-PVP	4.329	5152883	11660.91	49.7	73801.17	451252	496.5373 ng/ml
Alprazolam	5.751	3314421	3878.53	105.1	∞	183080	490.0733 ng/ml
Amphetamine	2.983	3323622	25963.04	48.8	33660.35	92759	381.5265 ng/ml
Benzoylecgonine	3.838	304437	2060.84	7.7	8837.44	19958	513.6711 ng/ml
Buprenorphine	5.971	157861	1875.26	16.2	2368.21	121640	50.3952 ng/ml
Bupropion	4.766	2716963	95013.23	61.2	3881.14	175570	504.1460 ng/ml
Carisoprodol	5.700	1511455	55983.79	54.8	553.54	153558	495.4210 ng/ml
Citalopram	5.183	2953577	5209.46	41.5	1374.25	261137	508.5224 ng/ml
Clonazepam	5.581	3317700	27234.64	32.5	940579.14	90451	468.2783 ng/ml
Cocaine	4.223	5778799	416143.18	43.9	138852.28	801979	494.9765 ng/ml
Codeine	2.543	666548	1852.97	103.0	1888.05	56101	509.7015 ng/ml
Cyclobenzaprine	5.605	1963435	73242.83	10.1	∞	155515	505.5584 ng/ml
Dextromethorphan	5.219	1550666	2104.50	79.2	1268.18	145119	498.1967 ng/ml
Dextrorphan	4.077	1368170	2253.74	213.8	25877.45	341831	493.6978 ng/ml
Diazepam	5.936	2339883	3256.55	87.4	3540.60	230333	490.4183 ng/ml
Dihydrocodeine	2.502	1789512	3731.61	65.1	18050.71	219323	472.4447 ng/ml
Diphenhydramine	5.253	4970462	99818.35	32.4	1030.46	766758	506.0801 ng/ml
Doxylamine	4.514	11553370	338450.34	97.0	∞	941854	508.5446 ng/ml
EDDP	5.211	4387386	2937.98	42.5	810.76	463715	501.9263 ng/ml
Fentanyl	5.100	247812	35755.54	65.2	10645.80	193733	54.0661 ng/ml
Fluoxetine	5.690	1924499	62606.75	8.7	1361.67	160149	513.2387 ng/ml
Hydrocodone	2.980	1964280	686.48	40.4	751.79	293289	464.7857 ng/ml
Hydromorphone	1.567	1903681	1264.08	79.9	3759.54	124004	502.9937 ng/ml
Ketamine	4.043	4469790	22108.37	38.9	10640.67	430471	481.2764 ng/ml
Lamotrigine	4.259	358407	4059.01	80.7	3934.36	430471	374.1043 ng/ml
Lorazepam	5.722	1781745	8116.67	55.7	12075.04	90451	342.4438 ng/ml
MDA	3.130	3344933	94473.57	18.3	2713.53	150932	477.5549 ng/ml
MDMA	3.231	3846407	136604.40	60.9	25259.34	71842	492.9726 ng/ml
Meprobamate	4.869	683457	44761.09	26.0	12889.88	94303	424.4367 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	4296399	271461.92	52.4	2085.20	399832	502.3824 ng/ml
Methamphetamine	3.158	2392646	3487.72	41.8	4442.49	280128	501.4081 ng/ml
Metoprolol	4.285	858997	10983.26	95.4	11271.13	1101263	458.5522 ng/ml
Mirtazapine	4.670	5919737	122335.89	49.0	185259.48	451252	670.1162 ng/ml
Mitragynine	5.242	731382	∞	39.3	20444.26	399832	451.5293 ng/ml
Morphine	1.213	331459	∞	23.8	∞	7369	493.2987 ng/ml
Norbuprenorphine	4.950	17282	2952.72	84.3	1440.91	15262	50.2745 ng/ml
Nordiazepam	5.876	2178165	5894.92	57.4	100340.01	147920	487.8282 ng/ml
Norfentanyl	4.037	708341	2405.21	37.0	2056.52	805615	43.0335 ng/ml
Norhydrocodone	3.014	200138	834.10	41.5	754.64	32455	545.4325 ng/ml
Noroxycodone	2.852	1611206	∞	48.5	4097.05	110339	492.4049 ng/ml
O-desmethyl-tramadol	3.323	12135893	624143.28	5.8	10014.77	1251580	509.2133 ng/ml
Oxazepam	5.732	2464911	∞	71.3	∞	311564	500.4614 ng/ml
Oxycodone	2.782	4644417	7514.03	31.2	3835.34	420277	483.5920 ng/ml
Oxymorphone	1.363	1680710	∞	47.6	2003.33	123276	500.8141 ng/ml
Phentermine	3.723	789106	12980.22	2.7	677.99	247639	489.9747 ng/ml
Promethazine	5.522	5456465	140539.95	29.6	1918.57	455699	533.3991 ng/ml
Quetiapine	5.586	3007287	116110.95	59.1	∞	91225	471.6572 ng/ml
Sertraline	5.765	888964	30067.29	90.2	23437.91	69350	535.4027 ng/ml
Temazepam	5.799	6926077	51328.90	28.9	3822.01	683629	499.9111 ng/ml
Tramadol	4.197	10551258	18524.52	3.3	6292.05	1101263	497.1230 ng/ml
Trazodone	5.323	4499022	∞	78.3	∞	328640	485.7720 ng/ml
Venlafaxine	4.994	7441241	2438.14	34.9	4329.15	773085	498.0168 ng/ml
Zolpidem	5.067	13412660	180629.11	29.7	166885.01	1353122	498.7844 ng/ml

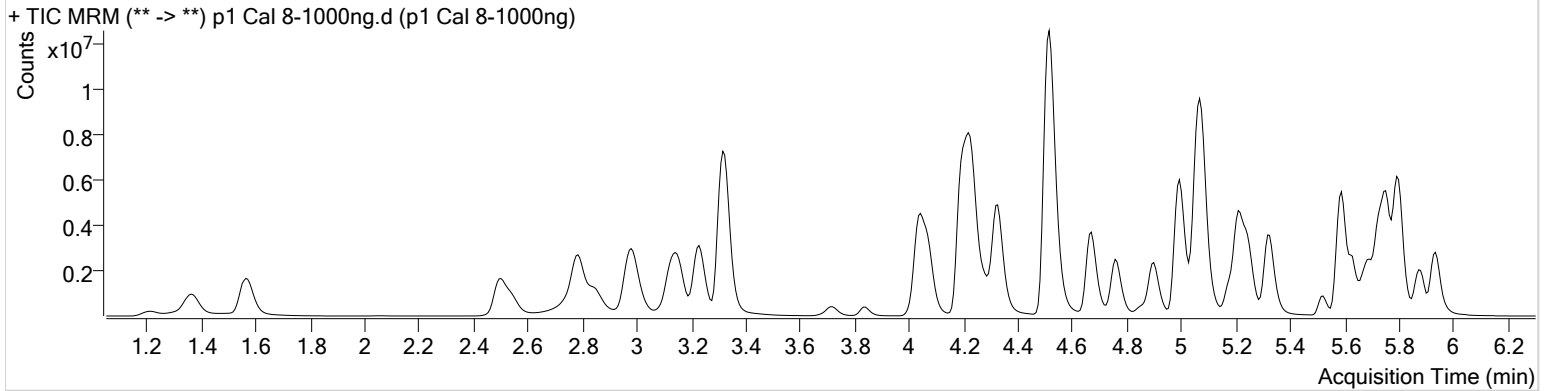
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 091420 CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 9/16/2020 12:37:08 PM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-H5	Comment	
Injection Volume	2		
Acq. Date-Time	9/14/2020 9:23:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	285555	3688.30	71.1	17493.65	63750	97.6298 ng/ml
7-aminoclonazepam	4.237	2165348	12861.56	80.1	13995.72	80458	997.8398 ng/ml
a-hydroxyalprazolam	5.668	1555274	∞	61.0	956.54	43390	899.2909 ng/ml
alpha-PHP	4.902	1706124	113238.40	269.9	273286.17	376431	913.0455 ng/ml
alpha-PVP	4.329	8694521	169276.37	49.1	91341.94	376431	1004.4901 ng/ml
Alprazolam	5.751	5382130	∞	104.3	∞	142419	1022.1396 ng/ml
Amphetamine	2.977	4321914	139588.76	48.4	18660.45	80603	572.3556 ng/ml
Benzoylcegonine	3.838	712932	5814.05	7.8	1742.37	21619	1110.2641 ng/ml
Buprenorphine	5.971	87458	3026.07	15.8	392.78	32797	103.5532 ng/ml
Bupropion	4.760	4152213	751251.35	60.4	2778.94	137221	986.4360 ng/ml
Carisoprodol	5.700	2381469	∞	53.5	722.48	126097	951.0130 ng/ml
Citalopram	5.176	2403061	3608.28	41.3	15553.07	109745	984.6920 ng/ml
Clonazepam	5.581	5019780	165475.07	32.3	38025.46	75915	844.7076 ng/ml
Cocaine	4.223	9498553	360196.22	43.4	208657.20	644962	1011.4266 ng/ml
Codeine	2.543	1149077	491.93	101.5	2214.59	44135	1116.6057 ng/ml
Cyclobenzaprine	5.598	587217	16287.47	10.0	1129.23	25209	932.5999 ng/ml
Dextromethorphan	5.219	843623	652.84	78.7	26787.58	39130	1004.9409 ng/ml
Dextrorphan	4.070	1916021	1781.26	211.9	66917.23	232640	1015.4534 ng/ml
Diazepam	5.936	3665876	9224.83	87.4	∞	184055	961.6272 ng/ml
Dihydrocodeine	2.495	3138989	57229.44	65.4	28282.33	222051	818.9935 ng/ml
Diphenhydramine	5.253	3955935	110626.34	32.4	14520.28	311152	992.5017 ng/ml
Doxylamine	4.514	19622679	556850.81	97.8	731336.04	868813	936.4529 ng/ml
EDDP	5.211	7000817	4171.77	41.7	44617.29	360928	1028.9435 ng/ml
Fentanyl	5.100	80130	10540.01	68.6	206790.74	29238	115.8579 ng/ml
Fluoxetine	5.690	344423	15748.13	9.0	9455.23	15137	972.7175 ng/ml
Hydrocodone	2.980	3364474	5193.02	39.8	767.33	280154	834.1408 ng/ml
Hydromorphone	1.567	3398049	∞	77.5	1060.60	115629	963.0409 ng/ml
Ketamine	4.044	7544519	7701.67	38.7	4719.76	397351	880.5596 ng/ml
Lamotrigine	4.259	507118	1798.10	79.3	34626.33	397351	573.4805 ng/ml
Lorazepam	5.722	1844099	∞	57.2	6352.43	75915	422.9594 ng/ml
MDA	3.130	4306198	13781.39	17.9	7547.38	106539	871.4336 ng/ml
MDMA	3.231	5784609	90373.94	59.6	162706.08	54871	970.8658 ng/ml
Meprobamate	4.862	1008237	34690.79	25.8	13984.86	83542	707.0948 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	2753191	44691.15	52.3	56138.78	130694	984.6685 ng/ml
Methamphetamine	3.158	3616710	28922.44	41.4	27088.00	227944	933.5758 ng/ml
Metoprolol	4.285	1225861	12956.62	96.8	11937.69	956563	753.2748 ng/ml
Mirtazapine	4.670	6877479	167366.76	48.9	∞	376431	932.5855 ng/ml
Mitragynine	5.235	397358	9630.25	38.3	∞	130694	750.6011 ng/ml
Morphine	1.213	596853	∞	24.0	∞	6787	964.9701 ng/ml
Norbuprenorphine	4.944	10517	762.53	81.9	10634.83	4605	101.4645 ng/ml
Nordiazepam	5.876	3212372	∞	57.2	20483.67	110621	962.2521 ng/ml
Norfentanyl	4.030	1093687	3894.13	37.2	4042.74	790305	67.7706 ng/ml
Norhydrocodone	3.014	341979	76.00	43.0	570.34	26695	1131.7827 ng/ml
Noroxycodone	2.845	2401597	16211.84	48.9	∞	76488	1058.7511 ng/ml
O-desmethyl-tramadol	3.317	20460039	101181.92	5.8	35334.63	1072606	1001.6964 ng/ml
Oxazepam	5.726	2479904	42970.21	74.5	6789.30	186013	843.6549 ng/ml
Oxycodone	2.782	8787895	20567.00	30.8	5111.64	408436	941.8138 ng/ml
Oxymorphone	1.363	2918771	∞	48.5	∞	116068	923.9686 ng/ml
Phentermine	3.723	1159672	8094.22	2.7	961.74	202434	881.7158 ng/ml
Promethazine	5.522	1540214	3508.45	31.0	2412.91	72115	951.8189 ng/ml
Quetiapine	5.587	4439881	183851.29	59.7	152600.84	65389	972.1842 ng/ml
Sertraline	5.765	127641	3918.00	90.7	27827.65	5657	942.6745 ng/ml
Temazepam	5.799	10894897	1058706.53	28.4	12978.60	531675	1011.0486 ng/ml
Tramadol	4.190	16800039	472969.60	3.2	2658.48	956563	911.5845 ng/ml
Trazodone	5.323	5476022	∞	78.9	∞	185905	1043.2361 ng/ml
Venlafaxine	4.994	12209095	6308.39	34.7	9167.56	624580	1010.8054 ng/ml
Zolpidem	5.070	22572036	∞	31.0	133383.71	1312988	865.3695 ng/ml