

Worklist: 3927

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2019-5271	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2019-5298	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2019-5376	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2019-5600	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5638	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5753	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3327	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3643	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3692	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3704	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3705	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3714	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3718	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3721	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3739	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3869	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3884	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2019-3927	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3928	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3942	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3945	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 3928

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
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P2019-3606	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
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Sample was added to worklist 3927 run. ^{1/7/20} cg

This sample was injected but there was no ISTD response. The plate was checked and the sample had not been reconstituted. The sample was reconstituted and reinjected with no issues. cg

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

Extraction Date: 01/07/2020

Analyst: Celena Shrum

Plate lot#: 190729

Plate Expiration: 01/29/20

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot:445283-3

Urine Blank lot: POC031319

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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) 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. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right) Manifold ID: 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: Cal 1 was reinjected due to low ISTD responses.

Curve limits: 7-aminoclonazepam: 5-500, Amphetamine 5-250, Dihydrocodeine: 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate: 5-250, Methamphetamine 5-500, Norfentanyl: 5-500, Norhydrocodone 5-250, Phentermine: 5-250, Quetiapine: 5-500, Trazodone: 5-500

Quant. range for doxylamine is 5-500 for this run. CS



Idaho State Police Forensic Services

AM #28 Blood and Urine Multi-Drug Confirmation by LCMS-QQQ

Methanol External Control Solution (Lot: 042719)

100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	184782	
Morphine	Cerilliant	FE08141515	November 2020
Metoprolol	Cerilliant	FN06091510	July 2020
Flunitrazepam	Cerilliant	FE08051602	August 2021
Trazodone	Cerilliant	FN12151403	January 2020
Prepared:	04/27/19		
Prepared By:	Tamara Salazar		
Expires:	01/31/2020		

Urine External Control Solution (Lot: WS111519)

200 ul of methanol external control solution was added to 9800 ul of urine.

Approximately 100ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine	Pocatello Lab	POC031319
Methanol External Control Solution		042719
Prepared:	11/15/19	
Prepared by:	Celena Shrum	
Expires:	01/31/2020	

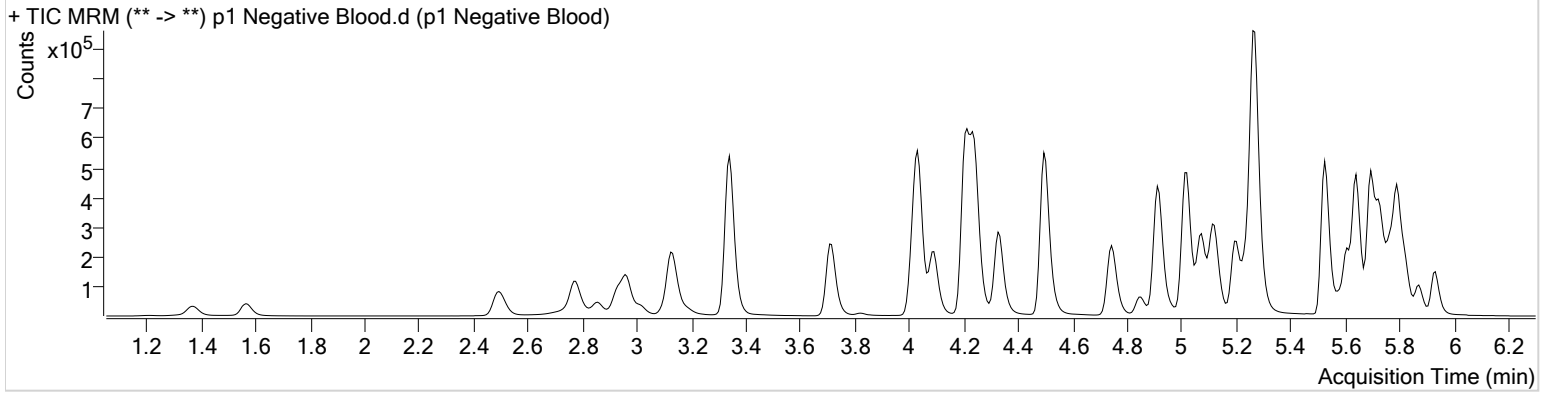
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/9/2020 9:32:19 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-D11	Comment	
Injection Volume	2		
Acq. Date-Time	1/8/2020 2:17:32 AM		
Sample Info.			

Sample Chromatogram



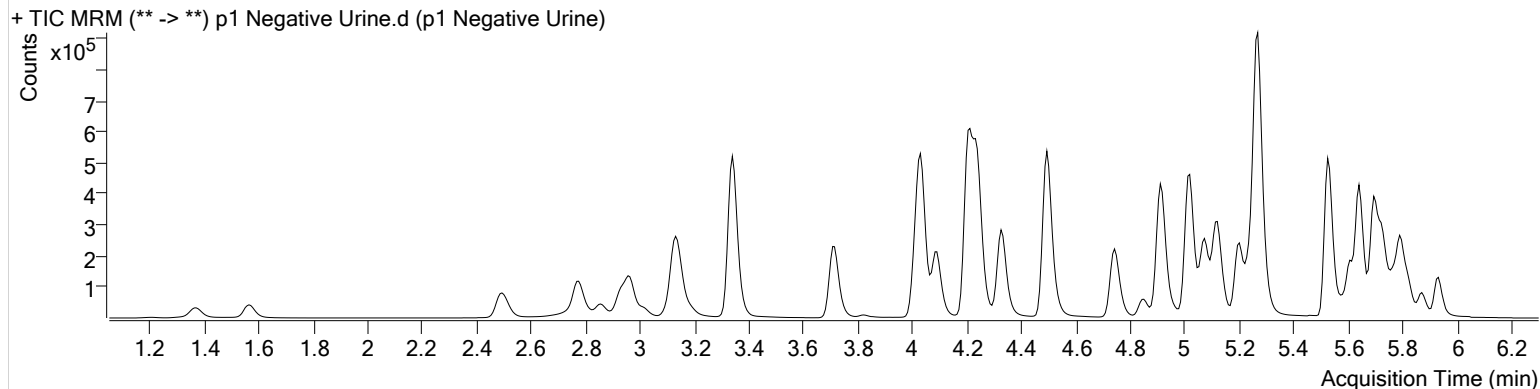
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/9/2020 9:32:19 AM

Instrument	Falco	Data File	p1 Negative Urine.d
Type	Sample	Sample	p1 Negative Urine
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-C11	Comment	
Injection Volume	2		
Acq. Date-Time	1/8/2020 2:28:06 AM		
Sample Info.			

Sample Chromatogram



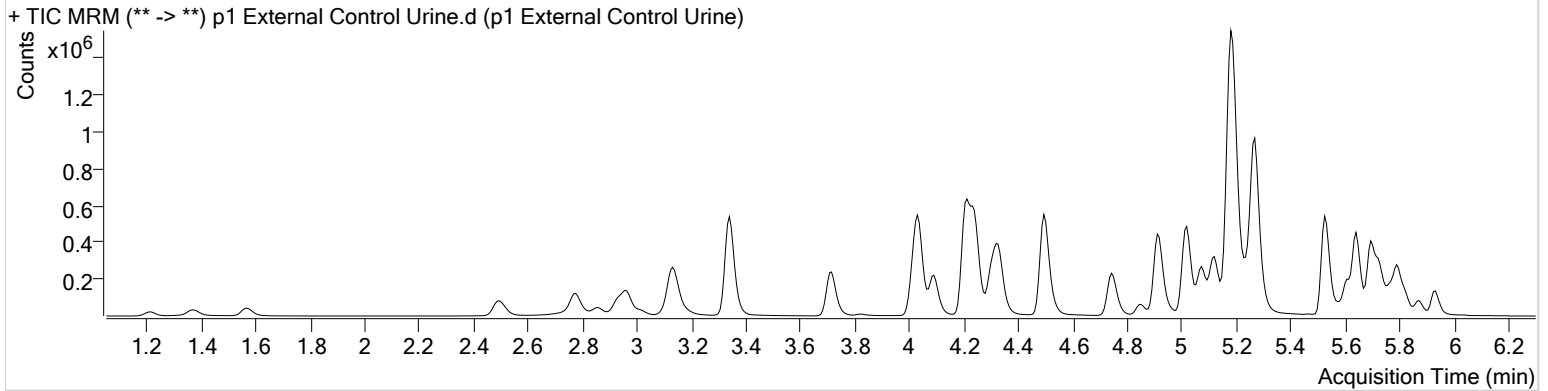
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/9/2020 9:32:19 AM

Instrument	Falco	Data File	p1 External Control Urine.d
Type	Sample	Sample	p1 External Control Urine
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-B11	Comment	
Injection Volume	2		
Acq. Date-Time	1/8/2020 2:38:42 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Clonazepam	5.620	9919	60.14	8.0 Low	37.40	67950	2.0826 ng/ml
Metoprolol	4.306	286686	19091.00	95.7	∞	1325860	129.0745 ng/ml
Morphine	1.213	48816	1906.35	23.6	608.68	4430	114.2854 ng/ml
Trazodone	5.181	2111372	1881.78	78.7	∞	770396	133.5149 ng/ml

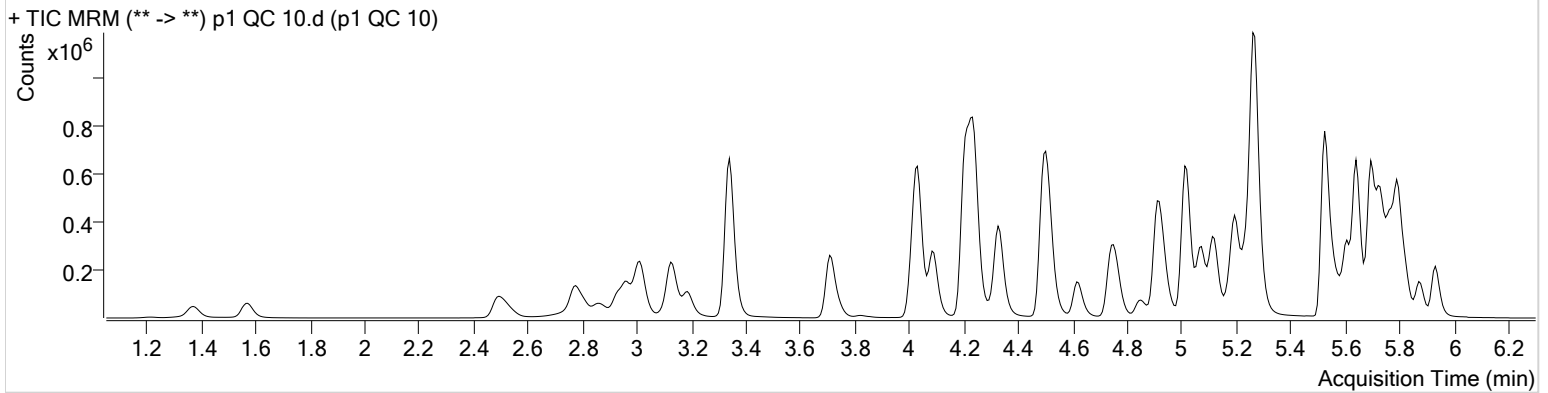
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 QC 10.d
Type QC **Sample** p1 QC 10
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-H11 **Comment**
Injection Volume 2
Acq. Date-Time 1/8/2020 12:31:33 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2032	3038.14	72.8	3487.41	42544	0.9933 ng/ml
7-aminoclonazepam	4.231	43541	8196.16	82.6	4633.45	178796	9.9649 ng/ml
a-hydroxyalprazolam	5.673	9873	320.15	67.1	204.21	52438	9.7028 ng/ml
alpha-PVP	4.337	156890	1318.51	50.7	1223.68	702717	9.9347 ng/ml
Alprazolam	5.756	87619	812.52	101.4	363.27	206841	10.0229 ng/ml
Amphetamine	3.014	362562	5721.38	53.6	5944.24	276358	13.5080 ng/ml
Benzoylcegonine	3.847	3649	695.42	6.9	37.53	18057	9.5757 ng/ml
Buprenorphine	5.882	8231	∞	16.0	82.53	288695	1.0325 ng/ml
Bupropion	4.766	192375	1257.44	58.6	2878.57	638328	9.5671 ng/ml
Carisoprodol	5.705	64244	4707.75	55.6	397.29	313523	9.9109 ng/ml
Citalopram	5.202	136683	904.46	42.0	1291.38	624422	9.8903 ng/ml
Clonazepam	5.586	50738	383.42	33.5	191.95	93457	10.0739 ng/ml
Cocaine	4.237	144545	11295.61	44.4	8759.93	1125080	9.9181 ng/ml
Codeine	2.550	16475	2431.91	101.7	1495.88	69646	10.3297 ng/ml
Cyclobenzaprine	5.610	118191	5113.13	10.3	1186.29	443605	9.8367 ng/ml
Dextromethorphan	5.245	80487	747.71	78.8	461.52	368438	10.0435 ng/ml
Dextrorphan	4.093	37561	3210.15	213.3	3956.59	494255	10.2298 ng/ml
Diazepam	5.941	67214	380.53	88.9	389.33	309498	10.1957 ng/ml
Dihydrocodeine	2.528	38092	1175.23	69.0	752.82	209510	9.9289 ng/ml
Diphenhydramine	5.272	310476	34925.05	33.5	264.41	2287887	10.0300 ng/ml
Doxylamine	4.514	343594	6216.56	97.9	23210.91	1457486	9.8587 ng/ml
EDDP	5.237	15998	171.44	45.3	113.94	89922	9.8401 ng/ml
Fentanyl	5.086	12237	655.05	64.1	36162.90	646107	1.0567 ng/ml
Fluoxetine	5.702	167467	1179.26	8.9	429.17	701067	10.0800 ng/ml
Hydrocodone	2.991	47177	537.01	41.0	172.36	304043	10.3213 ng/ml
Hydromorphone	1.581	35030	673.35	77.8	613.95	131336	9.8909 ng/ml
Ketamine	4.033	124553	910.38	37.2	1136.65	546279	10.2801 ng/ml
Lamotrigine	4.254	11353	798.70	79.8	522.25	546279	10.3512 ng/ml
Lorazepam	5.728	68229	2007.01	58.6	434.39	93457	9.2605 ng/ml
Meprobamate	4.875	30887	3396.11	27.1	282.85	165150	9.8455 ng/ml
Methadone	5.641	204019	6293.82	54.4	10863.30	948895	10.1570 ng/ml
Methamphetamine	3.188	179567	7329.78	42.0	3235.11	576078	10.6675 ng/ml
Metoprolol	4.299	26505	93927.86	94.9	2171.90	1416889	10.2805 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	246367	4606.27	49.6	6382.14	702717	9.4077 ng/ml
Mitragynine	5.220	16330	∞	39.3	11254.50	948895	8.8177 ng/ml
Morphine	1.220	4133	255.90	22.5	357.74	4281	9.8343 ng/ml
Norbuprenorphine	4.970	723	54.08	78.9	23.59	28223	0.9407 ng/ml
Nordiazepam	5.881	63517	1976.52	55.0	876.43	187410	10.7342 ng/ml
Norfentanyl	4.053	24159	3106.42	36.6	451.93	1062475	1.0522 ng/ml
Norhydrocodone	3.039	970	40.80	34.5	∞	50518	8.6855 ng/ml
Noroxycodone	2.876	47786	527.53	48.2	1452.00	139146	9.9996 ng/ml
O-desmethyl-tramadol	3.348	257307	2170.88	6.1	544.32	1371278	10.0814 ng/ml
Oxazepam	5.738	89519	1186.46	72.1	782.38	568509	9.9675 ng/ml
Oxycodone	2.800	95391	2540.73	31.9	860.93	419689	10.4571 ng/ml
Oxymorphone	1.376	34624	1282.25	47.9	228.54	119985	10.0271 ng/ml
Phentermine	3.745	56117	5992.07	2.6	66.04	669520	10.0834 ng/ml
Promethazine	5.527	262932	7695.10	31.3	767.20	1206596	9.7982 ng/ml
Quetiapine	5.558	151283	896.61	60.3	1904.73	182513	9.9919 ng/ml
Sertraline	5.770	95099	932.13	90.1	4544.72	416657	10.0058 ng/ml
Temazepam	5.798	144612	230.84	29.2	126.48	769322	10.1296 ng/ml
Tramadol	4.220	285881	3734.97	3.4	∞	1416889	10.6213 ng/ml
Trazodone	5.181	183216	985.53	78.5	15064.25	801895	10.0878 ng/ml
Venlafaxine	5.020	234331	7919.34	36.1	2246.61	1252320	9.9986 ng/ml
Zolpidem	4.932	244160	611.13	30.7	11612.30	1133306	10.3582 ng/ml

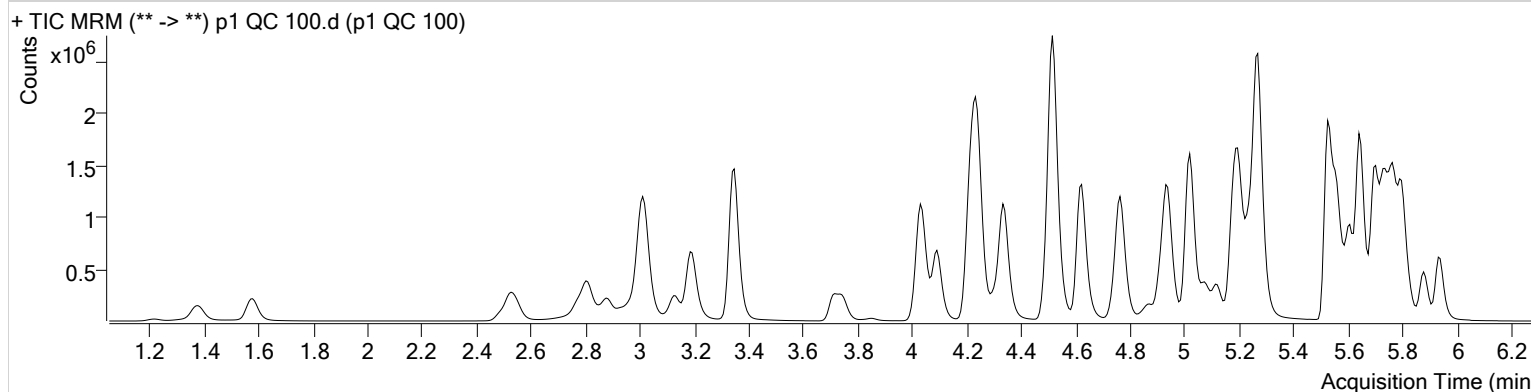
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-G11 **Comment**
Injection Volume 2
Acq. Date-Time 1/8/2020 12:52:46 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	19645	3210.71	70.3	1386.90	41332	10.2381 ng/ml
7-aminoclonazepam	4.237	342116	12399.61	81.6	28068.70	149586	101.1048 ng/ml
a-hydroxyalprazolam	5.673	82767	646.18	68.7	509.65	43977	99.9085 ng/ml
alpha-PVP	4.344	1406339	3151.97	50.4	2093.63	649357	96.2027 ng/ml
Alprazolam	5.756	702032	∞	101.7	722.60	173111	103.4540 ng/ml
Amphetamine	3.014	2149190	36718.76	52.9	38735.40	259219	103.9978 ng/ml
Benzoylcegonine	3.847	34455	3770.72	8.0	190.52	17449	98.6620 ng/ml
Buprenorphine	5.882	75226	614.83	16.0	324.03	285495	10.2566 ng/ml
Bupropion	4.766	1759186	118459.17	58.2	51196.27	596389	108.3150 ng/ml
Carisoprodol	5.705	463445	481.10	54.7	351.99	232295	99.4084 ng/ml
Citalopram	5.202	1179242	18671.47	41.6	2177.41	544347	96.5730 ng/ml
Clonazepam	5.586	417233	∞	32.2	1253.08	80723	103.2059 ng/ml
Cocaine	4.237	1236788	688138.84	43.9	36358.31	973049	94.4544 ng/ml
Codeine	2.550	144151	2103.24	102.3	6808.43	62098	107.1814 ng/ml
Cyclobenzaprine	5.610	1016370	7085.46	10.5	10612.43	385278	97.4242 ng/ml
Dextromethorphan	5.245	700881	11237.90	79.4	2231.09	330029	98.0346 ng/ml
Dextrophan	4.093	343238	38380.88	213.1	2271.06	456560	100.5533 ng/ml
Diazepam	5.941	561535	1189.77	87.2	1594.48	264669	102.4386 ng/ml
Dihydrocodeine	2.528	346827	40728.93	66.7	1449.81	199484	103.1866 ng/ml
Diphenhydramine	5.272	2758302	86335.44	33.0	1957.56	2053065	97.8842 ng/ml
Doxylamine	4.514	3208508	33815.27	96.7	26715.87	1378325	100.7648 ng/ml
EDDP	5.237	168921	425.47	42.7	410.82	94114	99.6535 ng/ml
Fentanyl	5.086	113205	6545.99	66.3	9590.30	622323	10.1366 ng/ml
Fluoxetine	5.702	1379491	85651.77	8.9	2595.16	595388	101.8061 ng/ml
Hydrocodone	2.991	383865	∞	42.1	∞	291955	99.6795 ng/ml
Hydromorphone	1.581	315770	1250.55	78.2	1379.72	122713	98.0370 ng/ml
Ketamine	4.033	1093627	1501.90	38.0	1652.20	511518	104.4147 ng/ml
Lamotrigine	4.254	91795	7424.71	80.0	3792.50	511518	100.8472 ng/ml
Lorazepam	5.728	437527	∞	55.9	2010.01	80723	99.9571 ng/ml
Meprobamate	4.875	250752	14775.40	26.4	2717.20	144465	98.8969 ng/ml
Methadone	5.641	1769969	2745.26	54.0	4948.53	859529	95.2315 ng/ml
Methamphetamine	3.188	1310754	30949.09	42.5	53300.31	545939	106.1743 ng/ml
Metoprolol	4.299	229796	114368.41	98.0	7492.43	1272231	107.6624 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	2235126	182116.80	49.4	125658.45	649357	94.7913 ng/ml
Mitragynine	5.227	156144	21310.20	39.2	∞	859529	89.9469 ng/ml
Morphine	1.220	39871	3089.66	22.6	243.35	4327	95.5353 ng/ml
Norbuprenorphine	4.970	5752	200.80	80.2	559.82	27018	9.6625 ng/ml
Nordiazepam	5.881	486712	4321.00	57.3	1940.45	153375	105.6468 ng/ml
Norfentanyl	4.061	214699	40777.98	37.3	440.95	938469	8.5666 ng/ml
Norhydrocodone	3.039	8845	263.35	37.0	125.23	38726	95.1976 ng/ml
Noroxycodone	2.883	406951	1842.63	48.7	861.45	122549	102.0009 ng/ml
O-desmethyl-tramadol	3.348	2335208	46192.34	6.1	19826.24	1273654	99.8805 ng/ml
Oxazepam	5.738	646848	6675.68	71.7	2524.94	418478	104.7029 ng/ml
Oxycodone	2.807	882812	12434.77	31.6	∞	401756	106.1606 ng/ml
Oxymorphone	1.376	299586	1061.18	49.3	∞	108150	97.2141 ng/ml
Phentermine	3.745	496100	8695.21	2.2	372.48	623351	103.3918 ng/ml
Promethazine	5.527	2371760	158546.94	30.1	∞	1078762	100.6643 ng/ml
Quetiapine	5.558	1350374	5383.32	59.5	1816.61	166406	95.5218 ng/ml
Sertraline	5.770	778449	1117.85	92.0	∞	343083	96.7053 ng/ml
Temazepam	5.798	1227343	10942.88	30.7	1868.90	671061	99.3746 ng/ml
Tramadol	4.219	2431371	147360.83	3.4	596.37	1272231	111.6629 ng/ml
Trazodone	5.180	1667791	5410.76	78.1	1008.21	765000	105.9758 ng/ml
Venlafaxine	5.020	2111428	46244.52	36.8	15952.67	1140338	96.4550 ng/ml
Zolpidem	4.938	2196254	88986.73	30.9	591588.07	1068631	105.6561 ng/ml

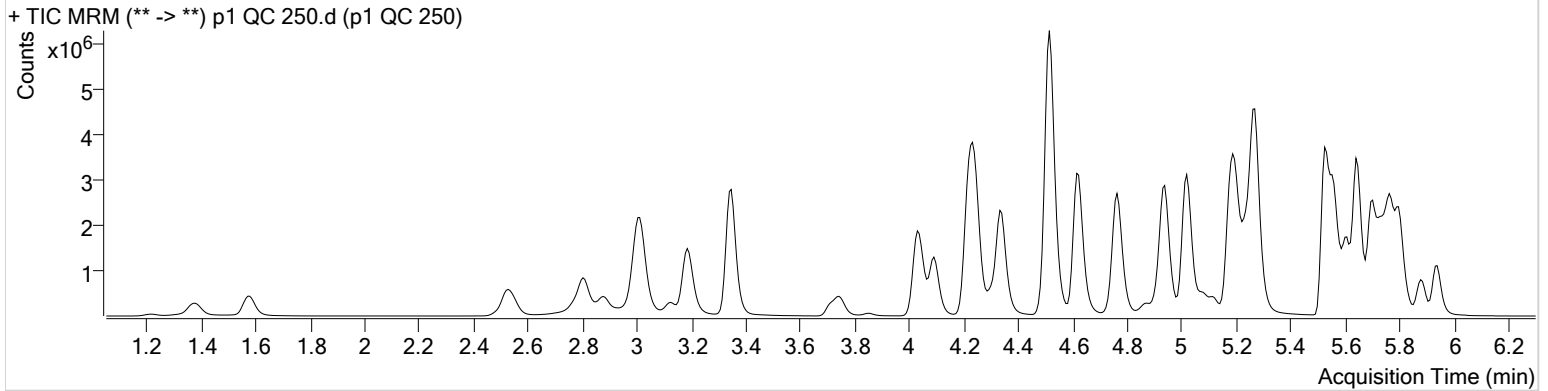
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-F11 **Comment**
Injection Volume 2
Acq. Date-Time 1/8/2020 1:13:56 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	49865	4948.63	72.7	9831.67	42536	25.3098 ng/ml
7-aminoclonazepam	4.237	621865	612.62	81.7	29487.55	119406	231.3736 ng/ml
a-hydroxyalprazolam	5.673	167191	220.13	71.7	731.40	35510	250.4270 ng/ml
alpha-PVP	4.344	3424258	2622.93	49.8	6676.53	618350	245.9569 ng/ml
Alprazolam	5.756	1474375	264.70	101.9	257.01	144111	262.3214 ng/ml
Amphetamine	3.014	4186722	∞	51.7	84751.47	261632	203.9820 ng/ml
Benzoylcegonine	3.847	89861	1084.42	7.6	474.31	17772	253.5527 ng/ml
Buprenorphine	5.882	183286	579.92	15.4	3036.27	284237	25.2259 ng/ml
Bupropion	4.766	4308132	390963.29	58.2	3361.84	589621	270.7681 ng/ml
Carisoprodol	5.705	809510	451.25	53.6	10159.62	161636	250.0492 ng/ml
Citalopram	5.202	2602753	2862.80	41.4	16223.80	474414	244.3450 ng/ml
Clonazepam	5.586	797153	3224.08	32.5	1489.35	62834	254.5678 ng/ml
Cocaine	4.237	2721847	337383.08	44.1	96572.89	844816	238.7882 ng/ml
Codeine	2.550	321280	17260.41	101.3	20063.68	57529	258.7842 ng/ml
Cyclobenzaprine	5.610	2300149	6167.24	10.1	∞	333108	255.0172 ng/ml
Dextromethorphan	5.245	1575589	1686.78	79.0	2916.08	291270	249.7798 ng/ml
Dextrorphan	4.093	829810	2605.21	210.4	57879.59	433536	255.8951 ng/ml
Diazepam	5.941	1217193	3814.47	85.9	3979.62	232432	253.3180 ng/ml
Dihydrocodeine	2.521	815737	15670.08	66.6	4418.57	203080	239.6586 ng/ml
Diphenhydramine	5.272	6387754	349716.91	32.7	2881.58	1859818	249.9894 ng/ml
Doxylamine	4.514	7949617	13936.60	96.4	623974.10	1369728	251.8036 ng/ml
EDDP	5.237	493503	777.47	40.1	14962.12	111770	245.2088 ng/ml
Fentanyl	5.086	293738	11960.12	65.7	2573.26	633726	25.8265 ng/ml
Fluoxetine	5.702	3032869	1362.12	8.7	2913.14	518733	257.6069 ng/ml
Hydrocodone	2.991	881346	∞	41.2	∞	280069	240.8533 ng/ml
Hydromorphone	1.581	741923	∞	78.3	1132.08	114194	247.9900 ng/ml
Ketamine	4.033	2628747	19698.35	37.7	4396.00	501172	257.5533 ng/ml
Lamotrigine	4.261	185114	7987.86	79.9	35219.13	501172	209.1552 ng/ml
Lorazepam	5.728	581304	56282.61	56.8	2766.72	62834	174.0491 ng/ml*
Meprobamate	4.875	511763	31239.91	26.2	2667.58	130890	223.9131 ng/ml
Methadone	5.641	4170693	4092.91	52.4	3652.56	763613	252.1926 ng/ml
Methamphetamine	3.188	3052047	6066.66	42.2	83672.35	565071	243.3292 ng/ml
Metoprolol	4.306	530590	148848.49	96.7	∞	1223377	259.8751 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	5490788	819056.52	49.4	372579.53	618350	244.9749 ng/ml
Mitragynine	5.220	354666	17214.21	38.4	170411.28	763613	229.4575 ng/ml
Morphine	1.220	94885	1122.19	22.7	1067.28	4031	244.3408 ng/ml
Norbuprenorphine	4.970	14420	307.92	81.3	137.92	27254	24.3864 ng/ml
Nordiazepam	5.881	948488	2143.18	56.6	1667.66	123066	257.4641 ng/ml
Norfentanyl	4.061	516428	1387.63	37.0	3728.61	801258	23.7292 ng/ml
Norhydrocodone	3.039	24695	569.88	38.0	235.01	34319	298.3112 ng/ml
Noroxycodone	2.876	867434	2082.09	48.0	4769.19	105958	252.3600 ng/ml
O-desmethyl-tramadol	3.348	5747736	582216.53	5.9	23589.06	1207496	259.5591 ng/ml
Oxazepam	5.738	1014555	9383.64	71.4	4296.23	273833	252.0548 ng/ml
Oxycodone	2.800	2145475	10734.84	31.7	3400.39	394566	263.5616 ng/ml
Oxymorphone	1.376	690544	3092.98	47.5	1015.02	101238	239.5392 ng/ml
Phentermine	3.745	980776	8514.96	2.5	1208.29	621997	205.7308 ng/ml
Promethazine	5.527	5597833	152180.05	30.4	34258.25	1006563	254.9339 ng/ml
Quetiapine	5.558	3143455	2395.61	60.1	1943.58	139219	265.3163 ng/ml
Sertraline	5.770	1636706	1422.09	91.2	3749.15	284937	244.3437 ng/ml
Temazepam	5.798	2727352	23021.30	30.0	4760.23	569132	260.5264 ng/ml
Tramadol	4.219	5566590	46210.66	3.4	2133.63	1223377	267.6624 ng/ml
Trazodone	5.180	3962030	199261.22	79.7	3339.30	796525	243.2518 ng/ml
Venlafaxine	5.020	5105053	5375.72	36.1	2210.58	1074689	247.0197 ng/ml
Zolpidem	4.938	5419564	105124.10	30.6	461.62	1084064	258.1576 ng/ml

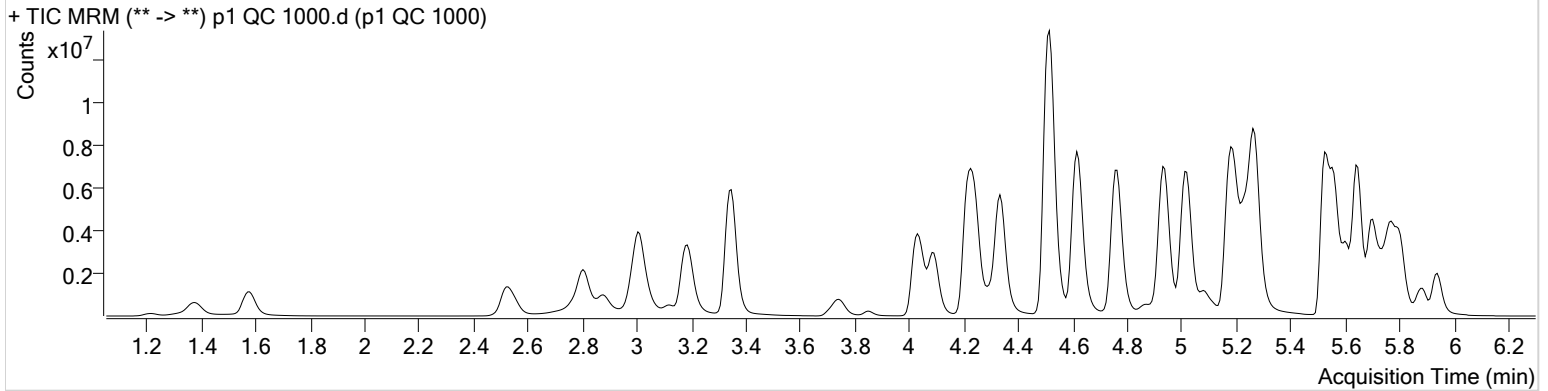
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-E11 **Comment**
Injection Volume 2
Acq. Date-Time 1/8/2020 1:35:08 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	185824	10759.39	72.7	20660.84	39853	100.7847 ng/ml
7-aminoclonazepam	4.237	741789	∞	81.8	29028.06	50029	660.3707 ng/ml*
a-hydroxyalprazolam	5.673	296207	∞	68.1	282.07	15492	1017.9462 ng/ml
alpha-PVP	4.337	9745219	105837.84	49.9	95643.28	439503	984.7614 ng/ml
Alprazolam	5.756	3032389	298.81	101.7	298.13	79542	979.8798 ng/ml
Amphetamine	3.014	7608334	380673.63	51.6	86610.81	230263	424.9142 ng/ml*
Benzoylcegonine	3.847	358540	99599.06	7.6	2606.55	17575	1024.7390 ng/ml
Buprenorphine	5.882	576545	∞	15.7	29140.63	250776	90.1610 ng/ml
Bupropion	4.766	12405699	2426037.15	58.2	400570.04	480538	960.9301 ng/ml
Carisoprodol	5.712	1090886	21888.17	53.3	11149.48	53470	1019.6337 ng/ml
Citalopram	5.202	5266474	4465.11	40.2	84266.09	236580	990.9980 ng/ml
Clonazepam	5.586	1166997	∞	32.5	2081.69	26869	873.5857 ng/ml
Cocaine	4.237	6499045	300943.37	42.5	216818.29	486125	989.5623 ng/ml
Codeine	2.550	787159	∞	101.4	14883.30	39174	932.8288 ng/ml
Cyclobenzaprine	5.610	5142016	106317.24	10.2	1469.02	186309	1019.2999 ng/ml
Dextromethorphan	5.238	3150402	2988.95	79.6	2844.90	145422	1000.4700 ng/ml
Dextrorphan	4.093	2316507	141857.70	213.3	17971.66	300245	1031.2725 ng/ml
Diazepam	5.941	2596414	138.59	87.6	134.91	127868	983.1606 ng/ml
Dihydrocodeine	2.521	2163196	46905.61	68.3	304599.45	189413	683.1640 ng/ml*
Diphenhydramine	5.272	14802312	2165.23	33.7	39249.81	1065906	1010.2916 ng/ml
Doxylamine	4.515	20063412	1303516.26	97.4	842378.83	1147662	759.2486 ng/ml*
EDDP	5.237	3535339	67534.75	42.4	38972.94	194523	1009.4532 ng/ml
Fentanyl	5.086	1093584	7969.84	66.8	8674.42	580170	105.0235 ng/ml
Fluoxetine	5.702	6764195	666518.53	8.7	1072.20	290155	1028.5339 ng/ml
Hydrocodone	2.991	2649637	581.58	42.0	∞	243526	836.7645 ng/ml
Hydromorphone	1.581	2213669	∞	78.2	∞	88055	960.4332 ng/ml
Ketamine	4.033	7174695	5749.52	37.3	3997.00	401726	879.2594 ng/ml
Lamotrigine	4.261	328079	∞	80.0	∞	401726	464.2671 ng/ml*
Lorazepam	5.728	593684	52053.77	58.2	2630.87	26869	422.4288 ng/ml*
Meprobamate	4.875	1083978	12450.77	26.0	16365.70	93695	664.3294 ng/ml*
Methadone	5.648	10220200	2734.51	53.4	3313.99	475338	992.0808 ng/ml
Methamphetamine	3.188	7925781	226552.15	42.1	276436.22	556325	647.6958 ng/ml*
Metoprolol	4.299	1238354	453917.96	95.8	∞	917133	811.1048 ng/ml

AM #28 Multi-Drug Quant. Results

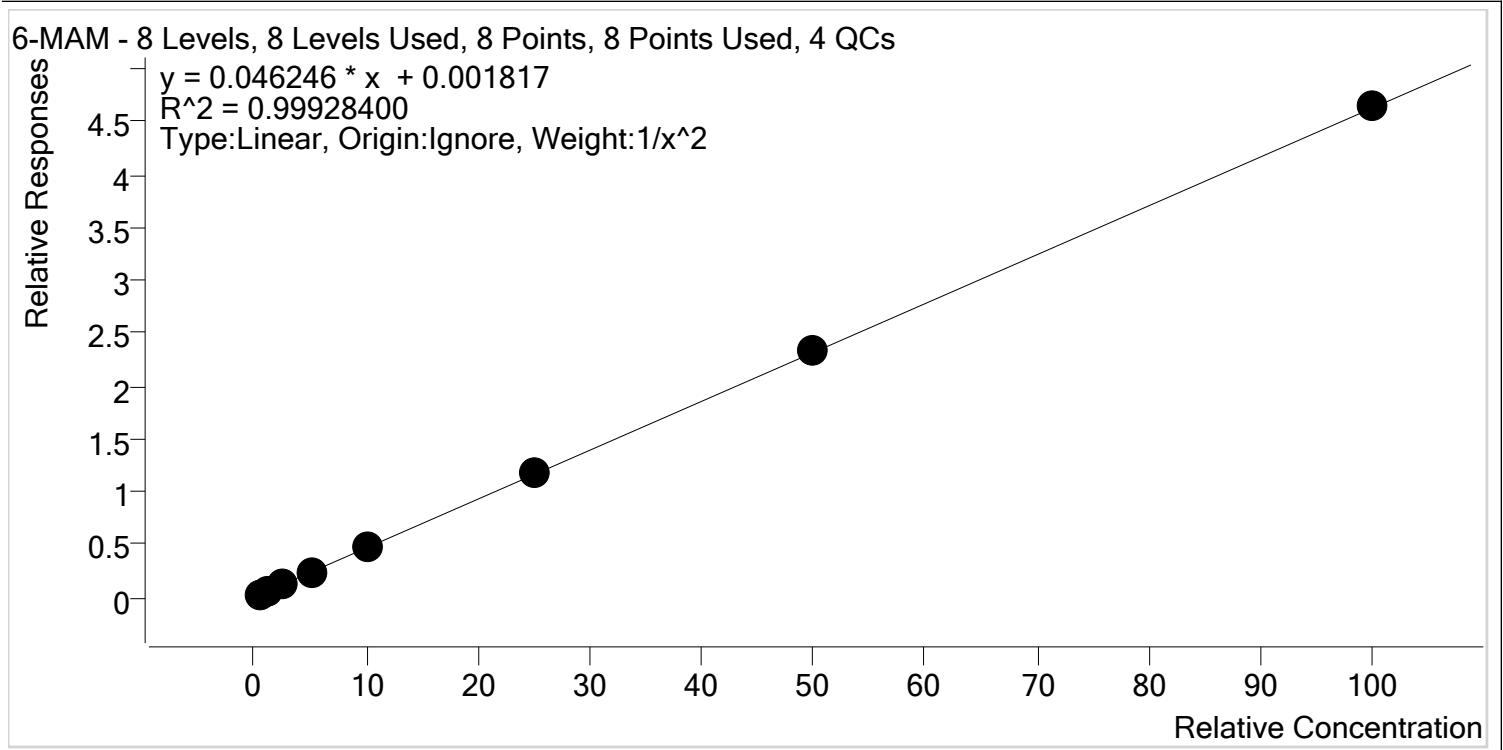


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	14569137	1106251.84	50.5	166347.64	439503	915.2729 ng/ml
Mitragynine	5.220	1032966	41676.77	40.0	18038.36	475338	1072.3845 ng/ml
Morphine	1.220	295606	∞	23.2	545.86	3386	906.8285 ng/ml
Norbuprenorphine	4.970	50111	12524.54	79.8	4109.26	22444	103.7230 ng/ml
Nordiazepam	5.881	1581982	21147.73	56.2	6986.63	59327	892.2971 ng/ml
Norfentanyl	4.061	1387110	37012.65	37.1	1992.53	412245	122.9389 ng/ml*
Norhydrocodone	3.032	131029	2756.94	41.2	250.43	31763	1706.6405 ng/ml*
Noroxycodone	2.876	2071341	9474.12	48.2	8652.14	65114	982.3691 ng/ml
O-desmethyl-tramadol	3.348	15685622	1721573.32	6.0	2655.64	853449	1002.6355 ng/ml
Oxazepam	5.731	957798	16098.53	71.0	4416.68	74229	879.7519 ng/ml
Oxycodone	2.800	6520687	3719.91	31.7	7891.75	336658	940.3177 ng/ml
Oxymorphone	1.376	1935550	∞	47.7	∞	70136	969.4955 ng/ml
Phentermine	3.745	2356701	23250.49	2.2	2254.27	538279	572.8345 ng/ml*
Promethazine	5.527	13674426	835872.16	30.7	42634.64	632581	991.4998 ng/ml
Quetiapine	5.558	7758758	5568.62	58.9	50541.95	71257	1278.4417 ng/ml*
Sertraline	5.770	3179207	60987.71	89.1	143964.30	135491	997.1784 ng/ml
Temazepam	5.805	5489764	23456.15	30.0	23583.40	280152	1065.6180 ng/ml
Tramadol	4.213	13224423	∞	3.4	1700.51	917133	851.0403 ng/ml
Trazodone	5.174	10060731	∞	79.2	∞	769137	641.5355 ng/ml*
Venlafaxine	5.020	13764549	14411.47	36.1	4872.25	712621	1003.5694 ng/ml
Zolpidem	4.932	15314297	∞	30.9	101925.82	931048	851.2127 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

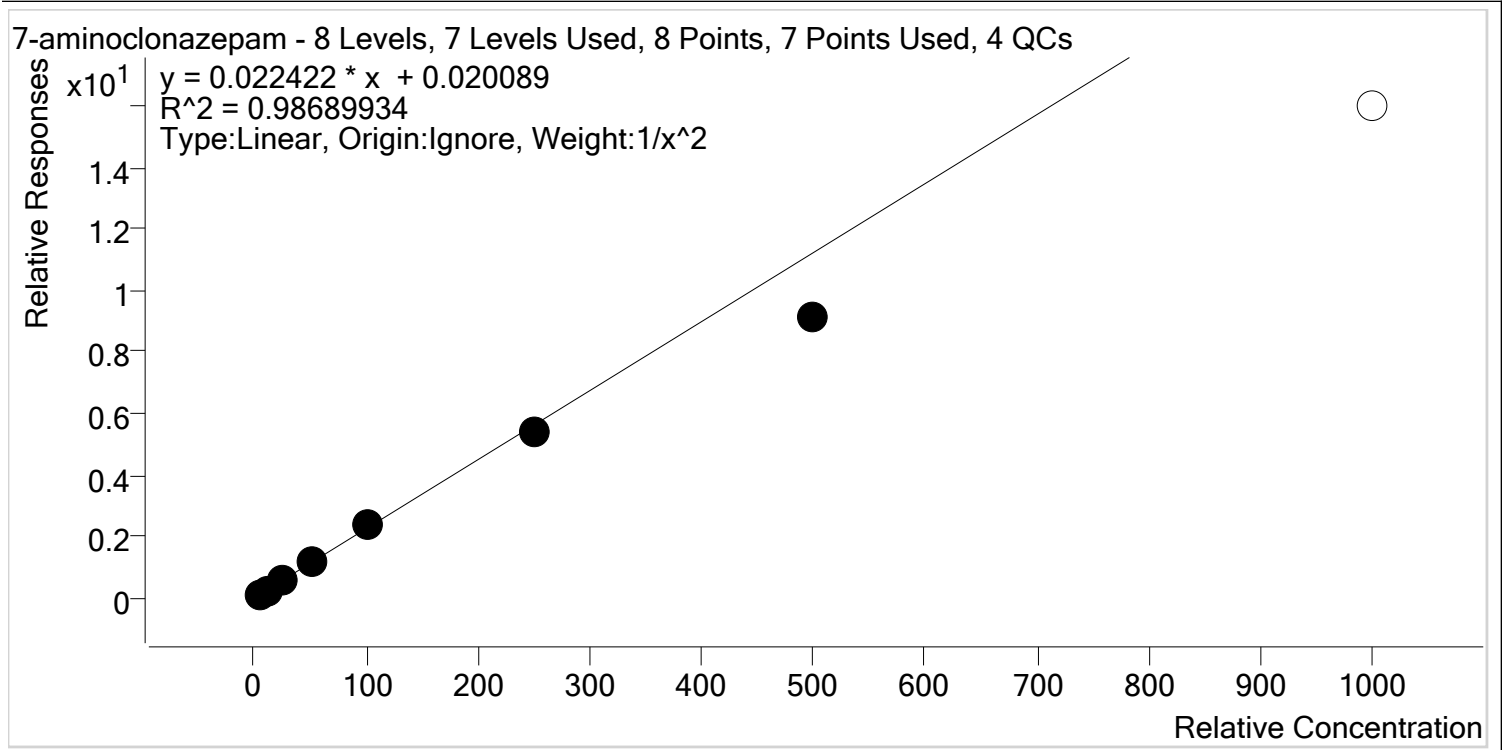


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.3
p1 Cal 4-50ng	4	✓	5.0	5.1	101.4
p1 Cal 5-100ng	5	✓	10.0	10.2	101.9
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	50.3	100.7
p1 Cal 8-1000ng	8	✓	100.0	100.4	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

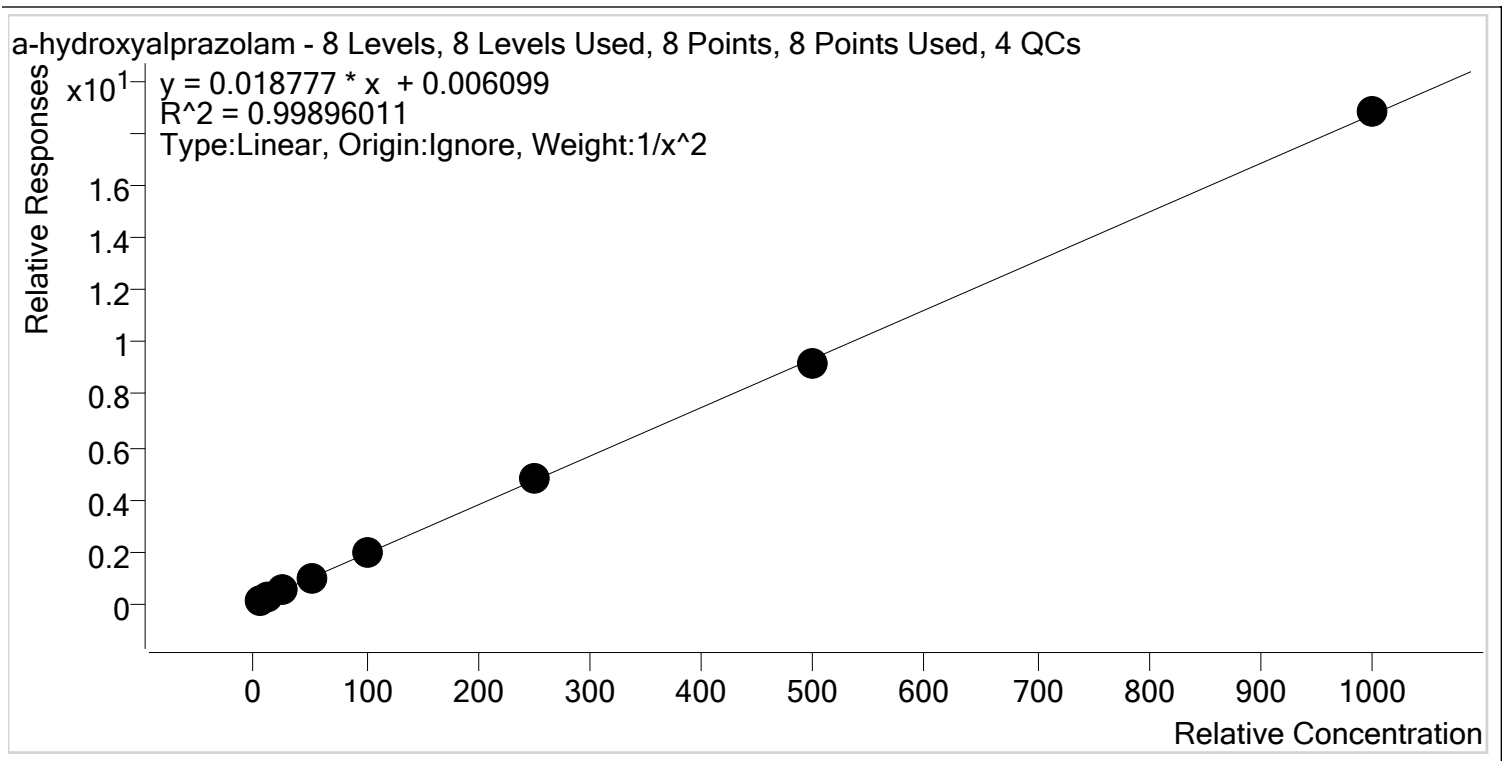


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	239.4	95.8
p1 Cal 7-500ng	7	✓	500.0	408.7	81.7
p1 Cal 8-1000ng	8	x	1000.0	712.1	71.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

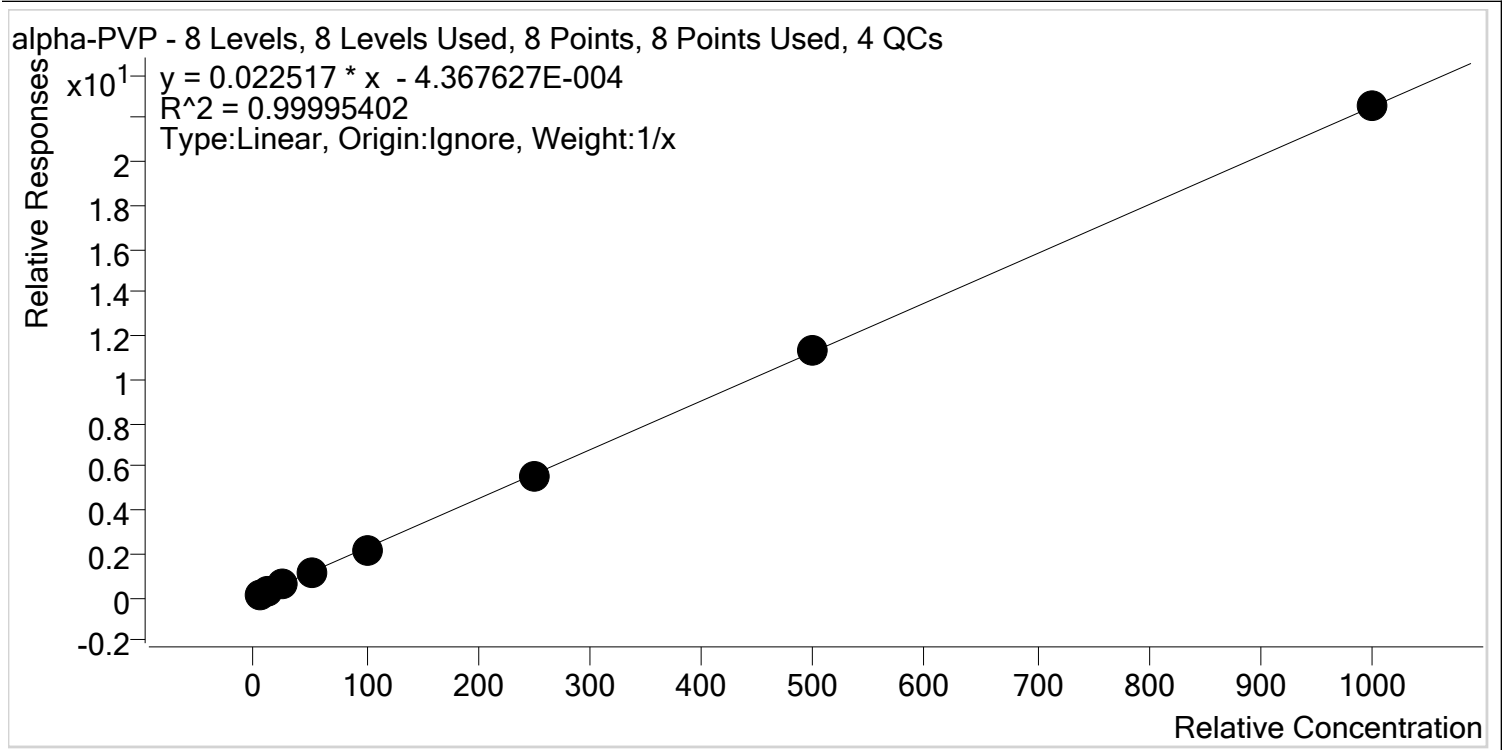


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.8	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

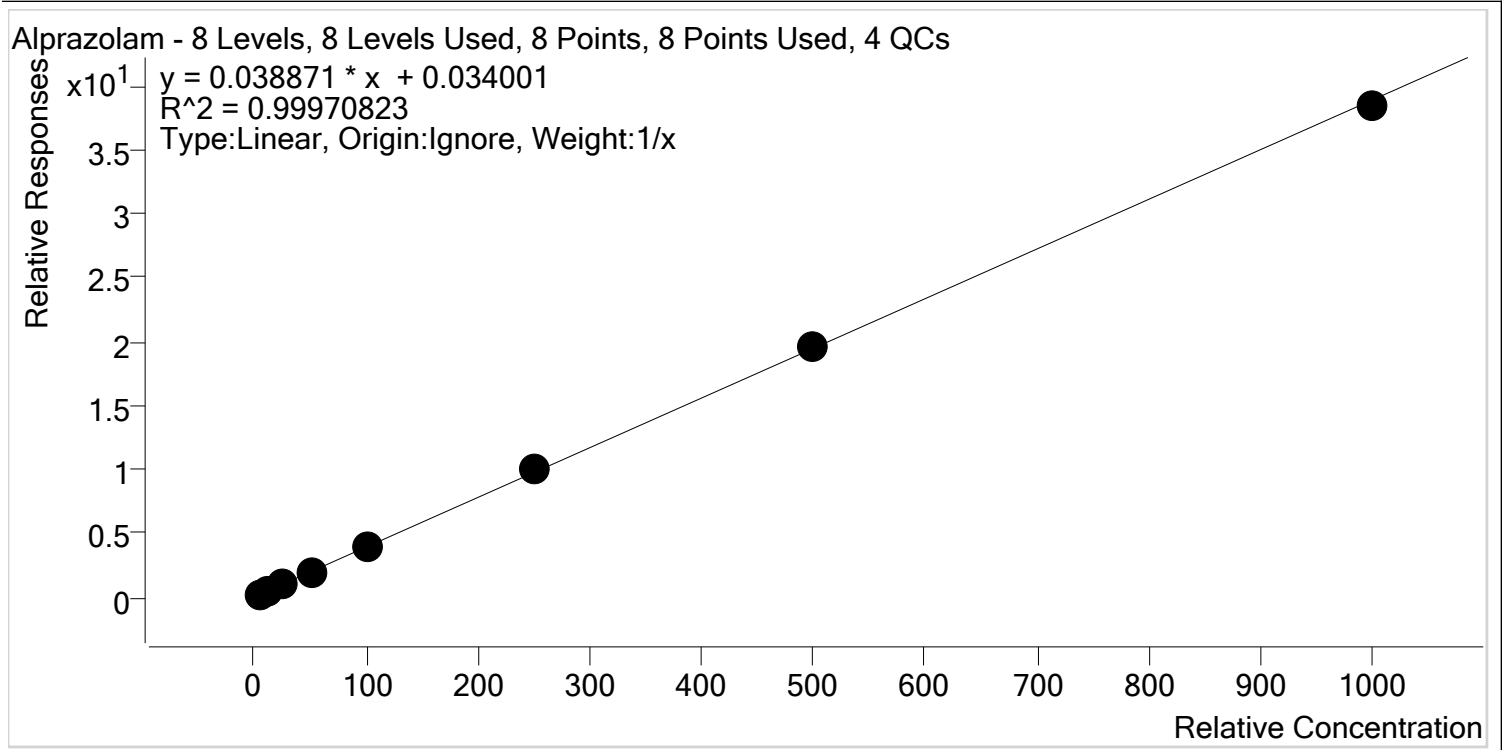


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

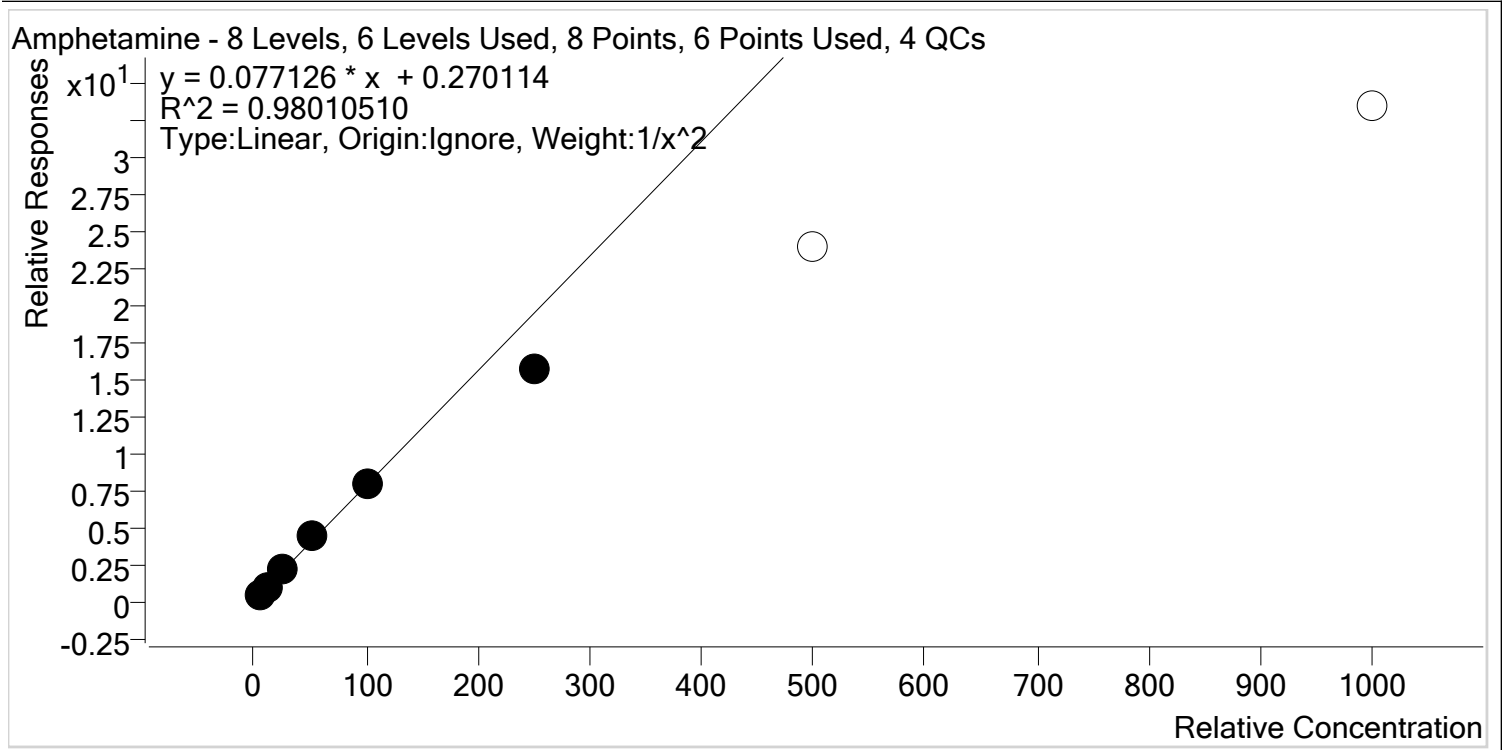


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	987.5	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

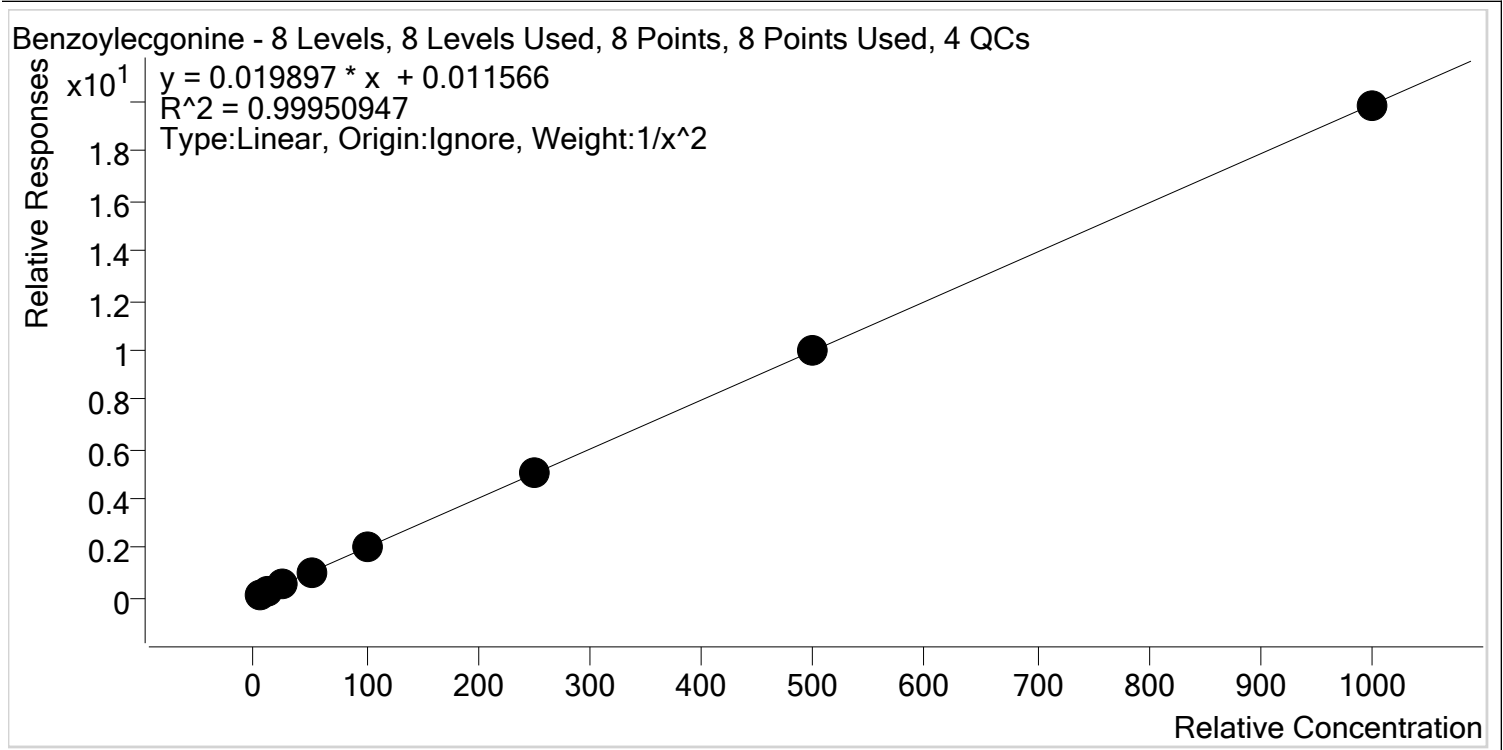


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.4
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	202.3	80.9
p1 Cal 7-500ng	7	✗	500.0	309.2	61.8
p1 Cal 8-1000ng	8	✗	1000.0	430.7	43.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

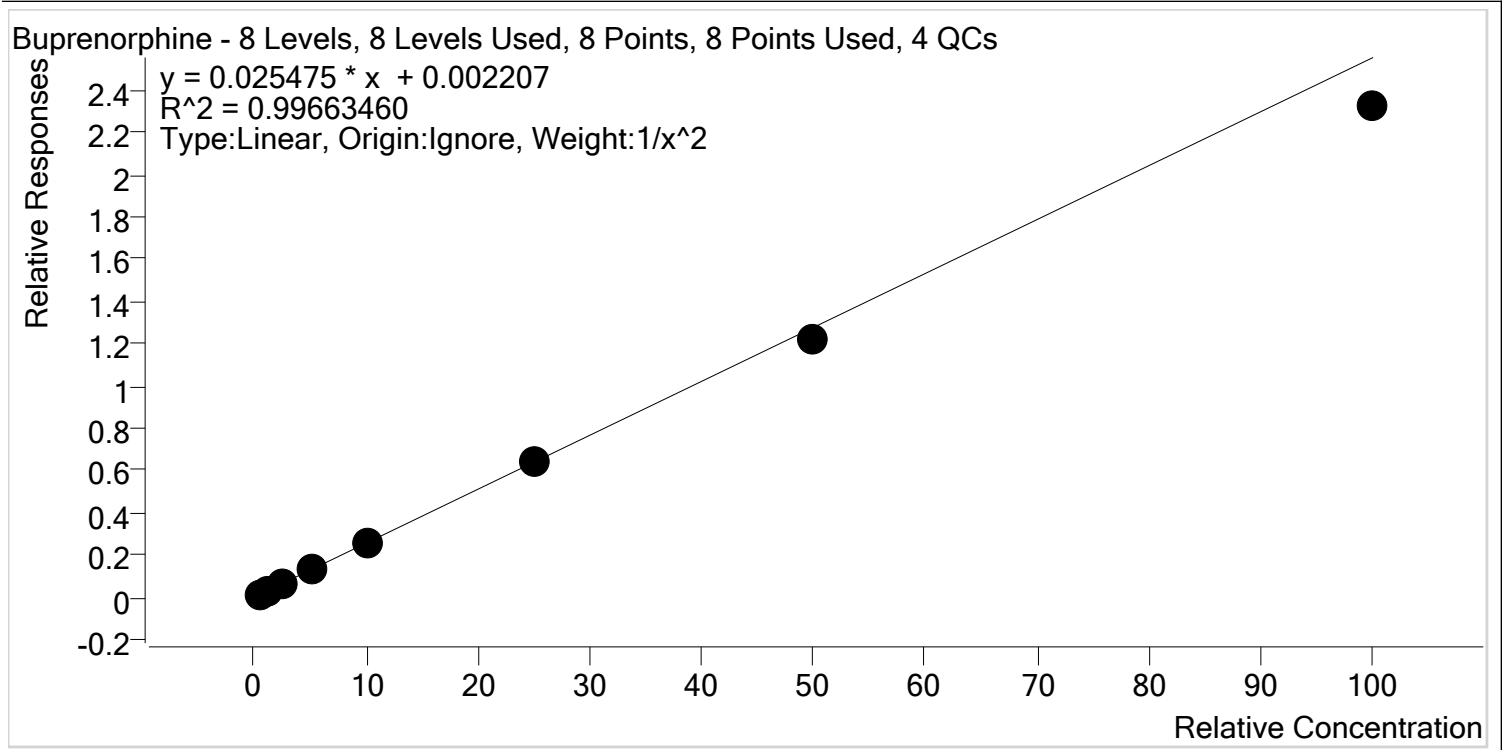


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	996.7	99.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

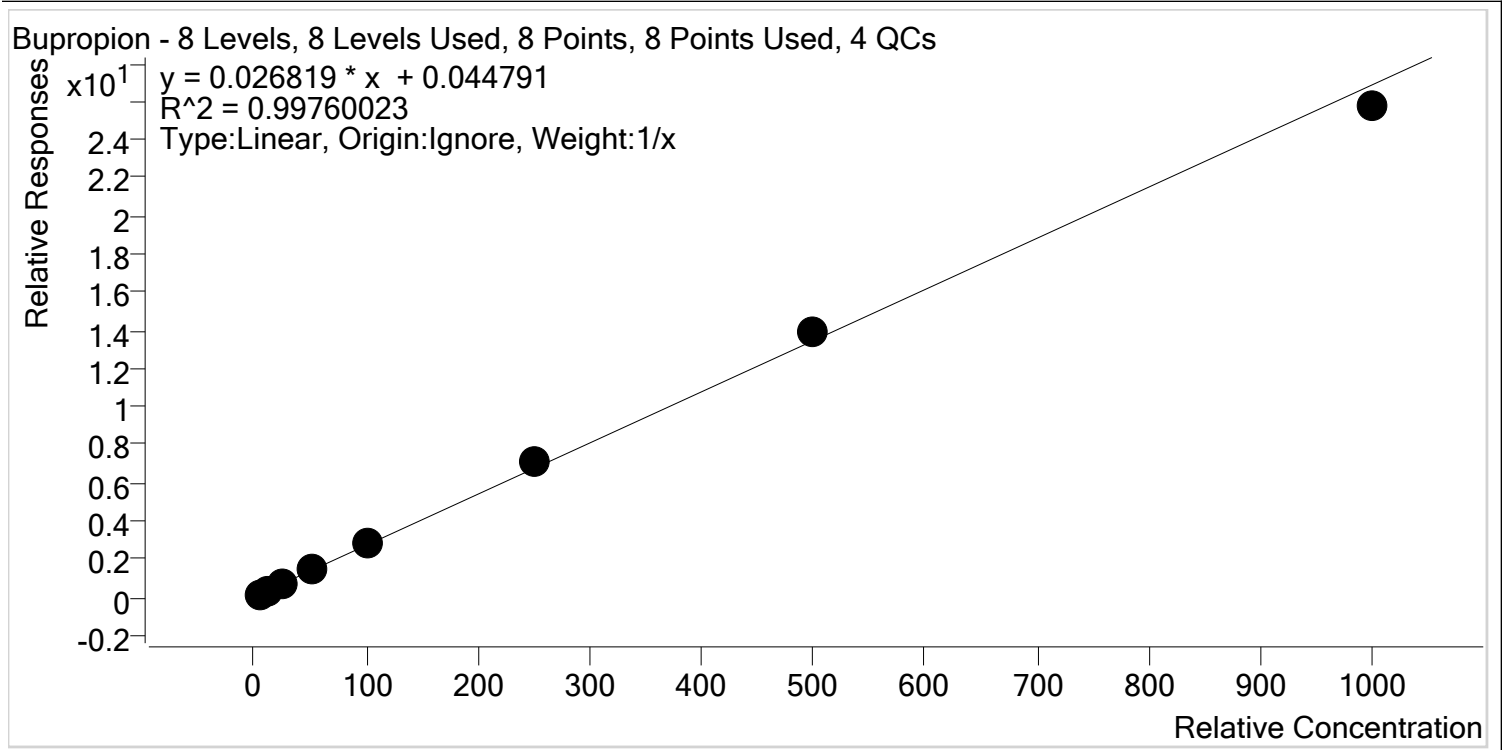


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.6
p1 Cal 3 -25ng	3	✓	2.5	2.6	104.8
p1 Cal 4-50ng	4	✓	5.0	5.3	106.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.4
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	47.9	95.8
p1 Cal 8-1000ng	8	✓	100.0	91.0	91.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

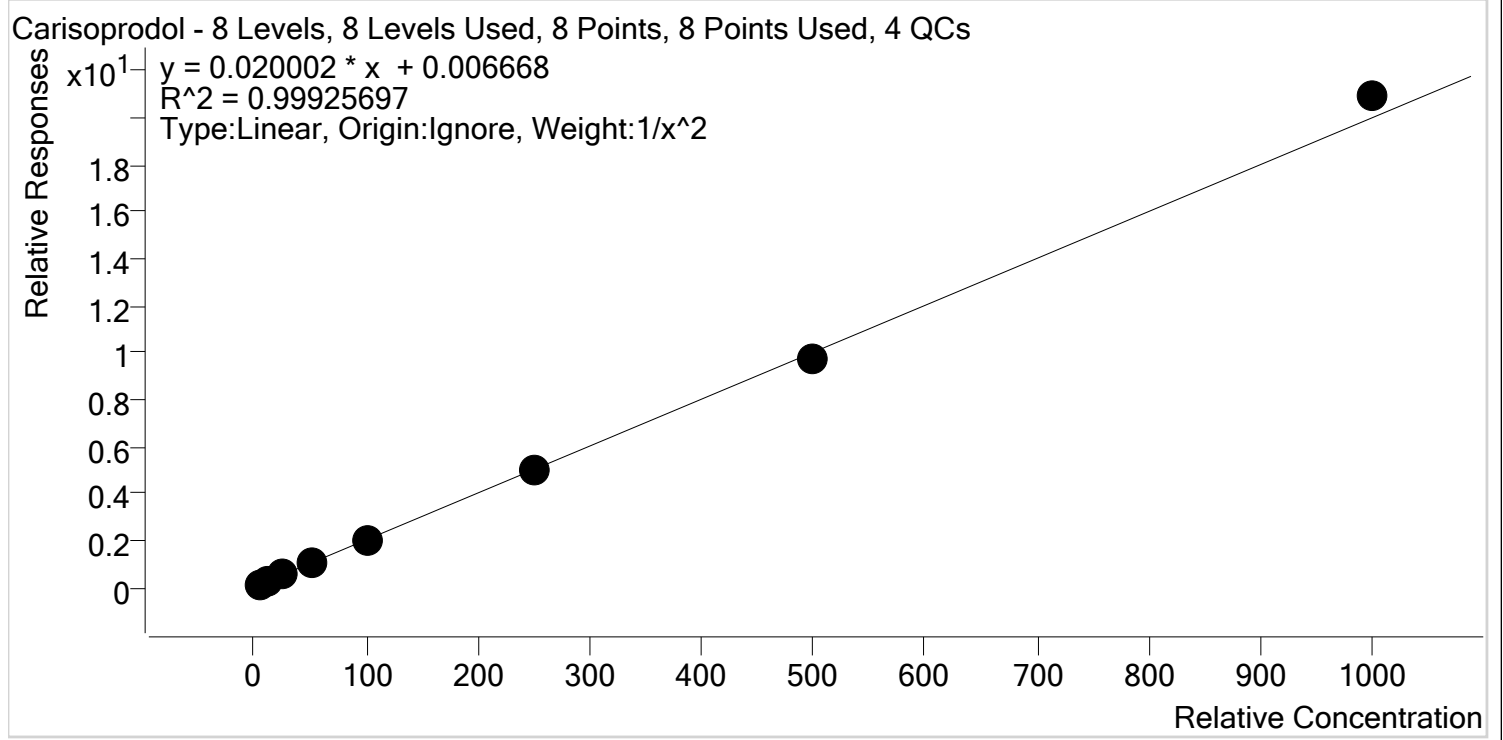


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	82.9
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	267.1	106.8
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	958.2	95.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

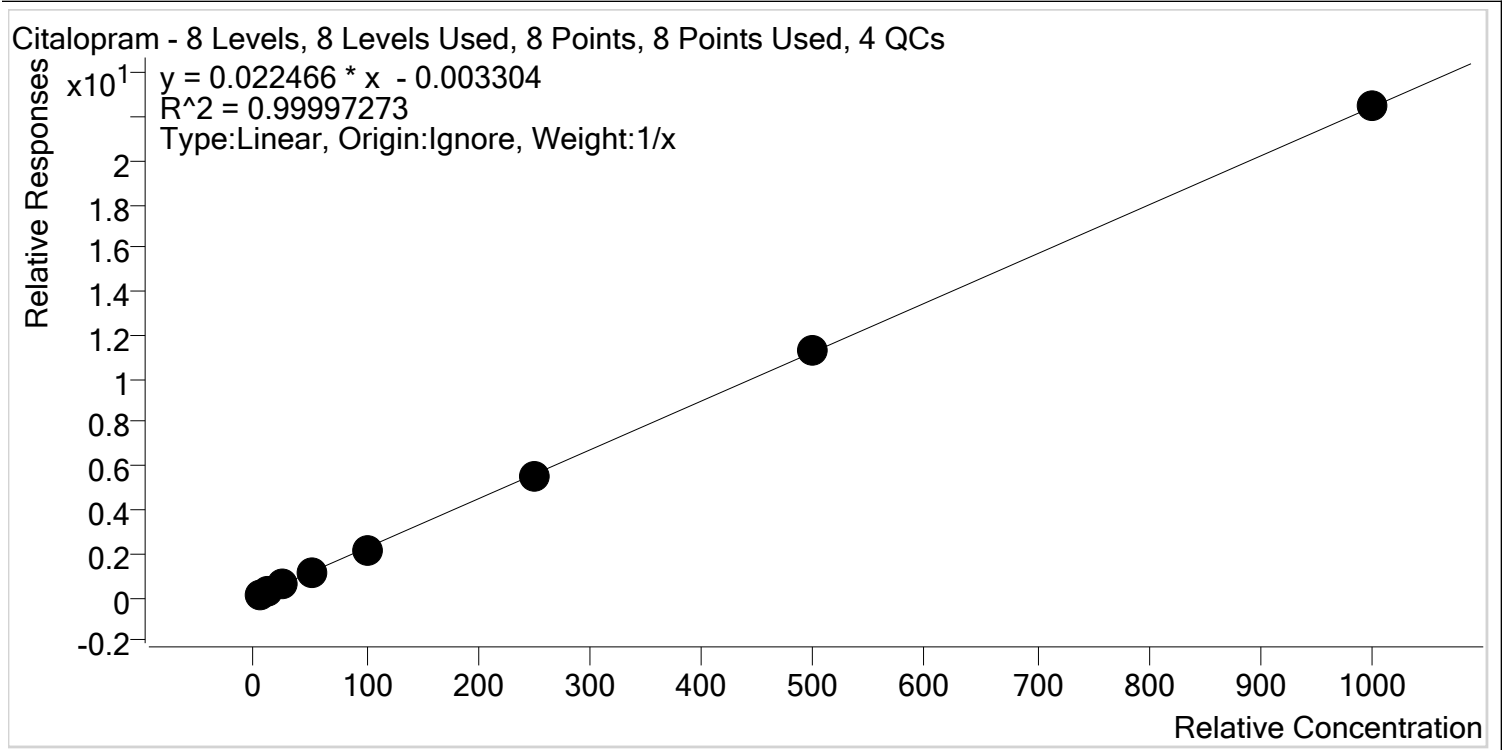


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	484.5	96.9
p1 Cal 8-1000ng	8	✓	1000.0	1045.8	104.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

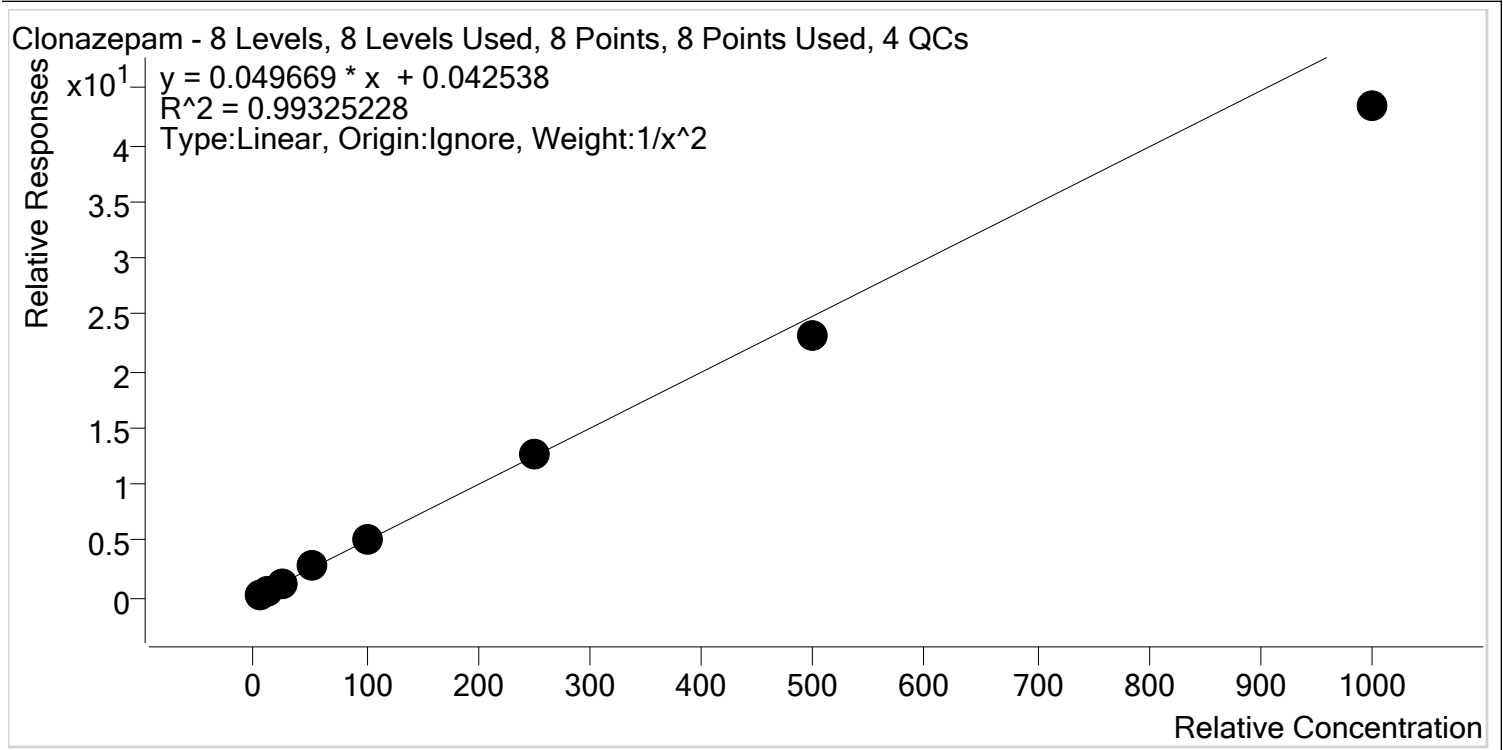


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1001.6	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

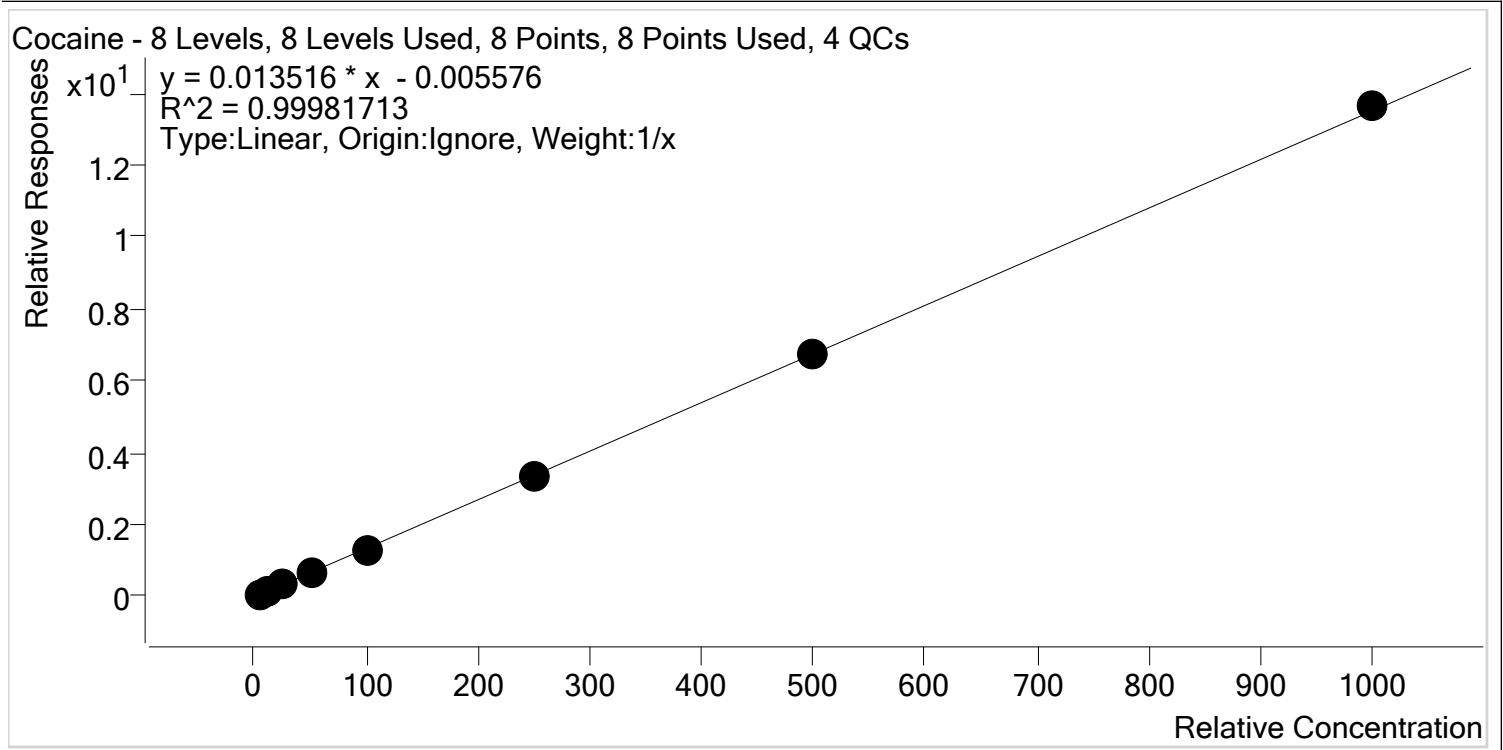


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	464.3	92.9
p1 Cal 8-1000ng	8	✓	1000.0	872.7	87.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

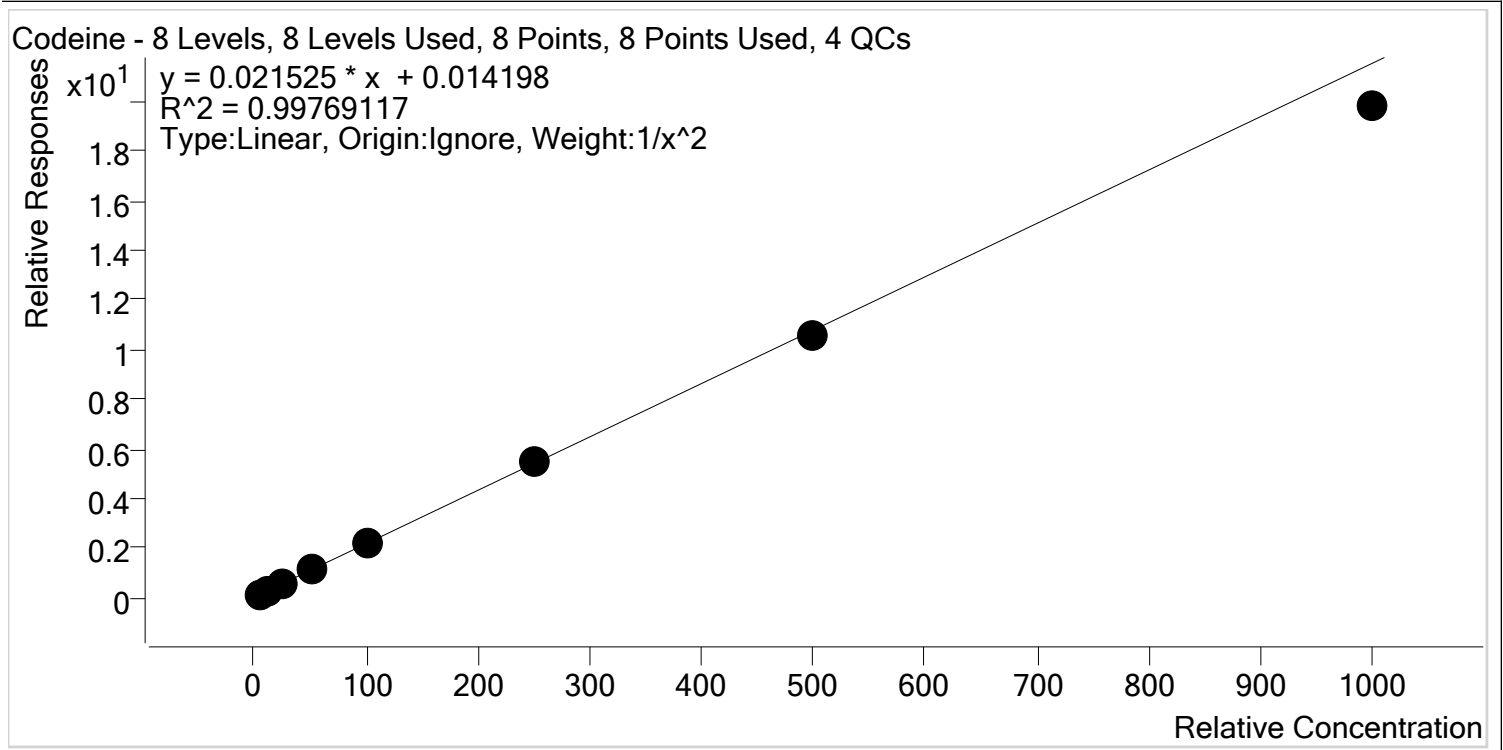


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6

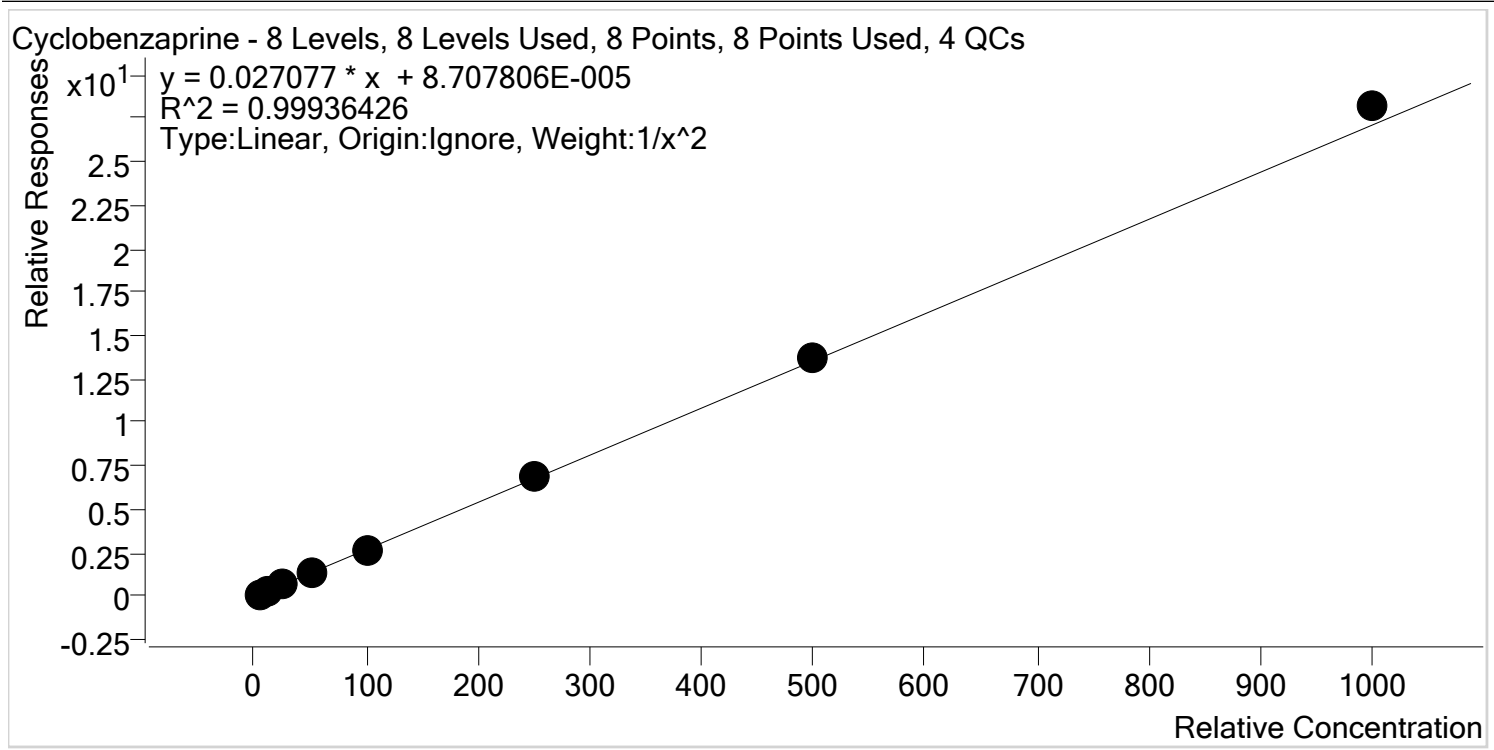


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	919.6	92.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

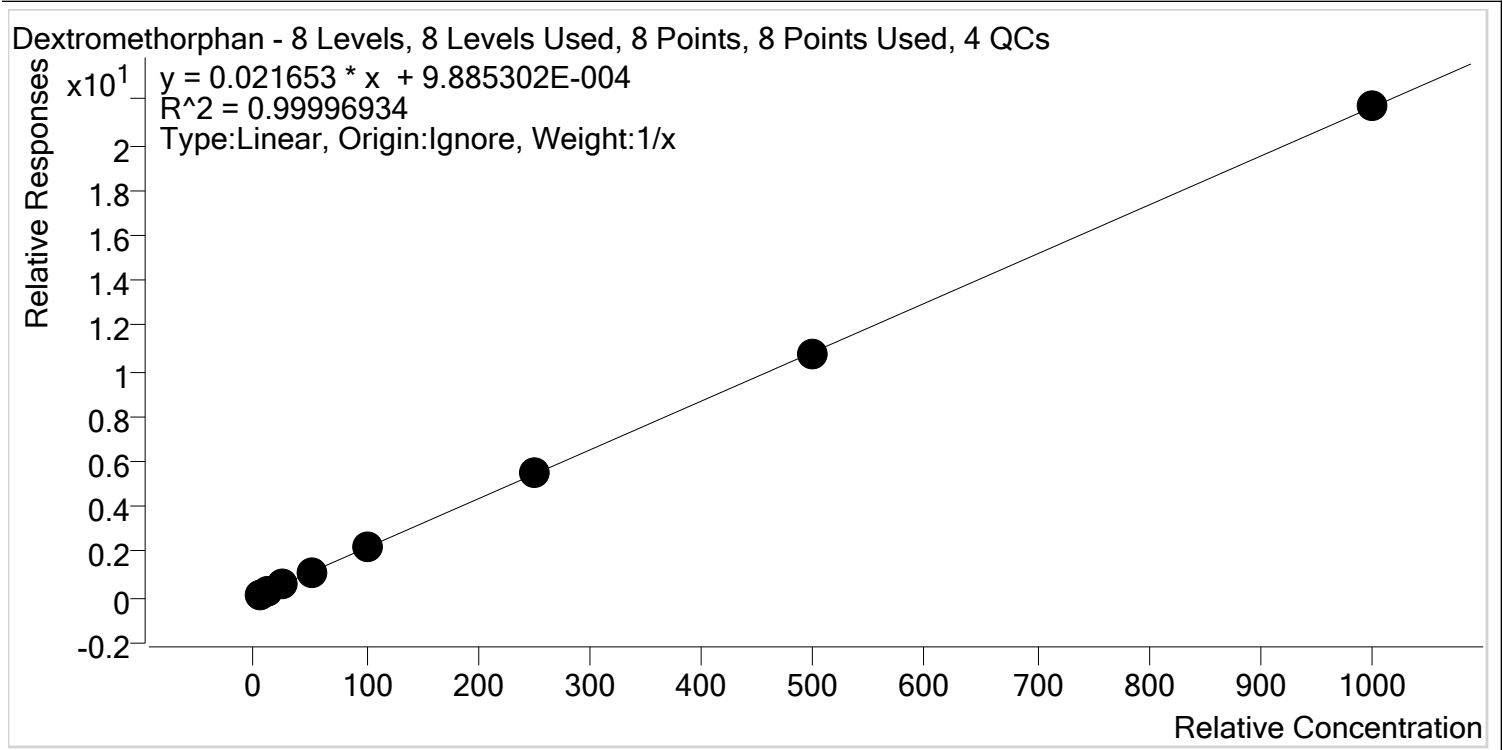


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.0	104.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

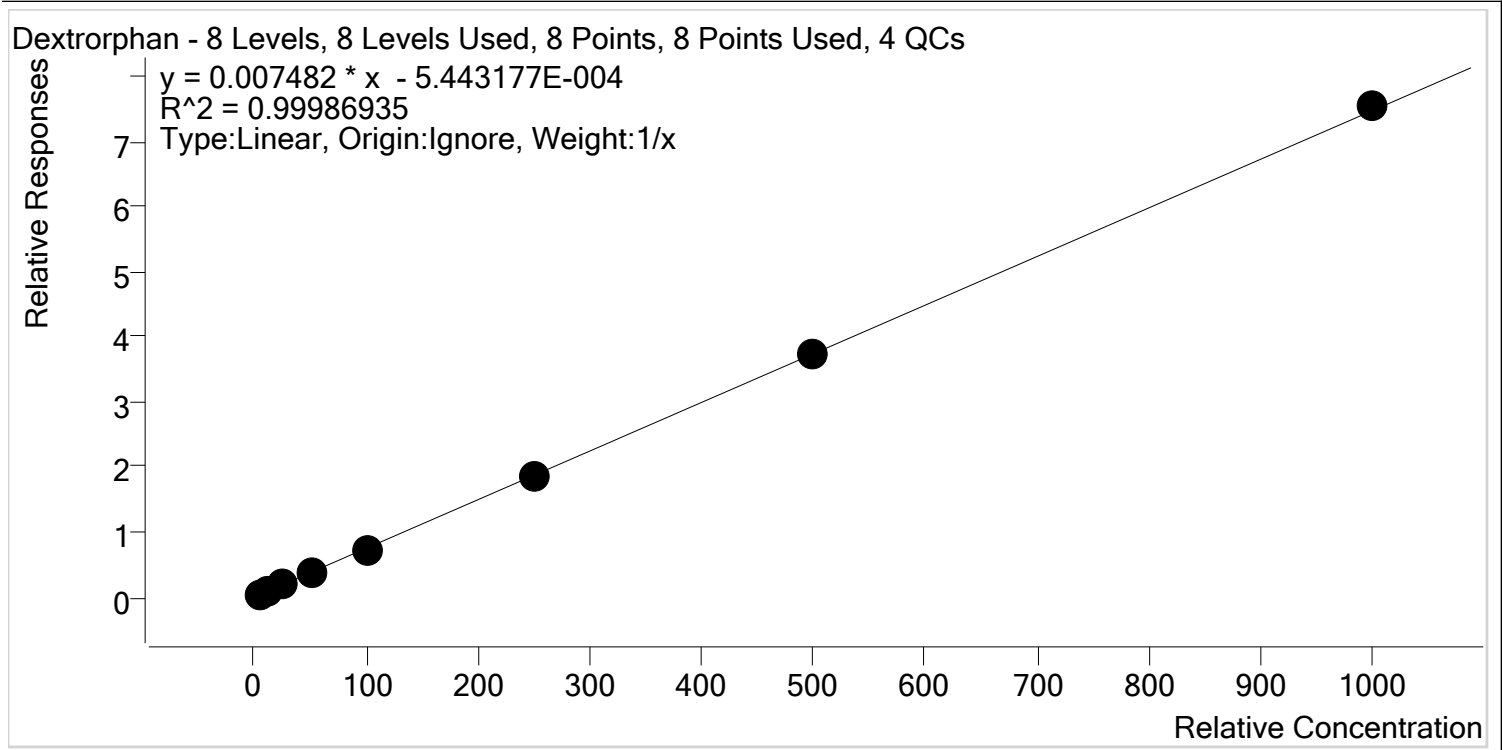


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1002.0	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

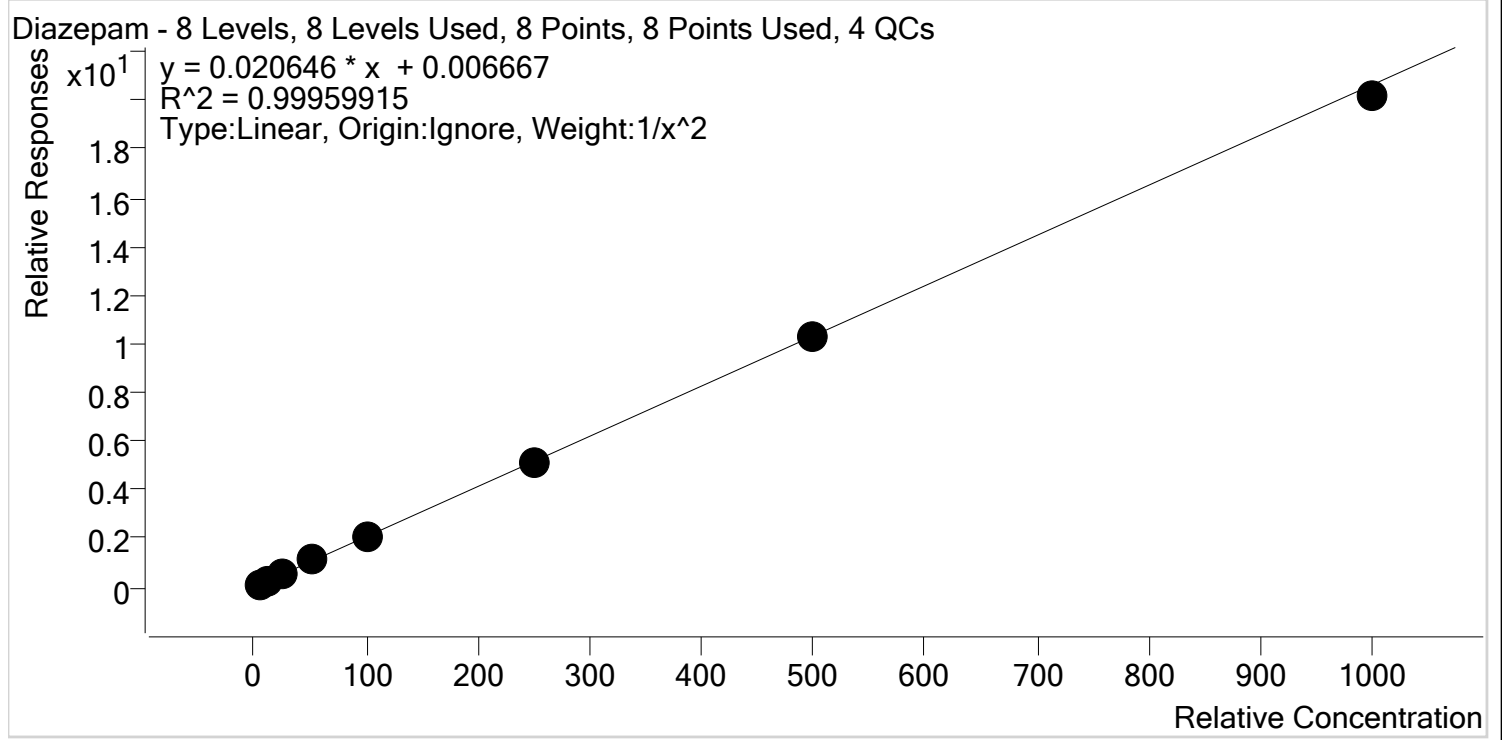


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	496.9	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1009.2	100.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

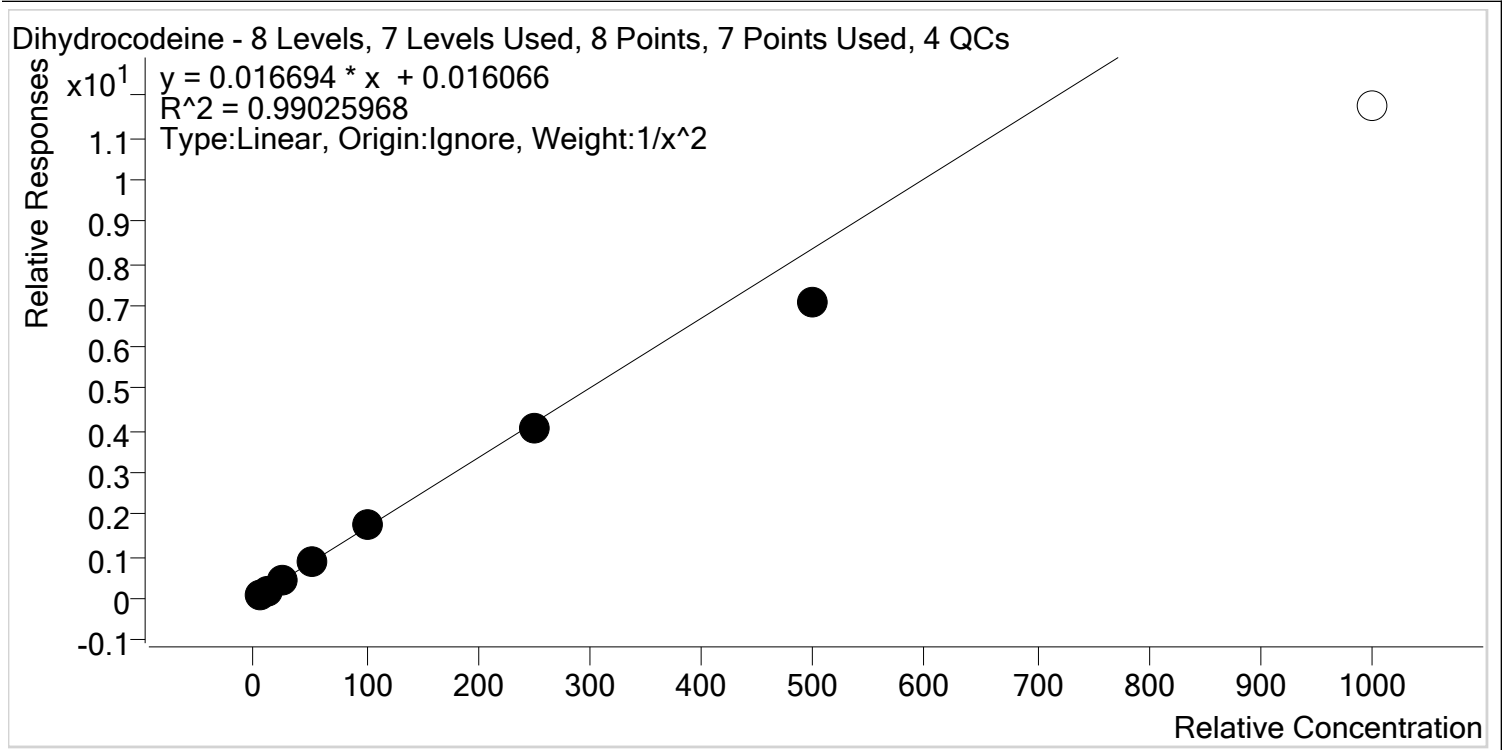


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	977.3	97.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

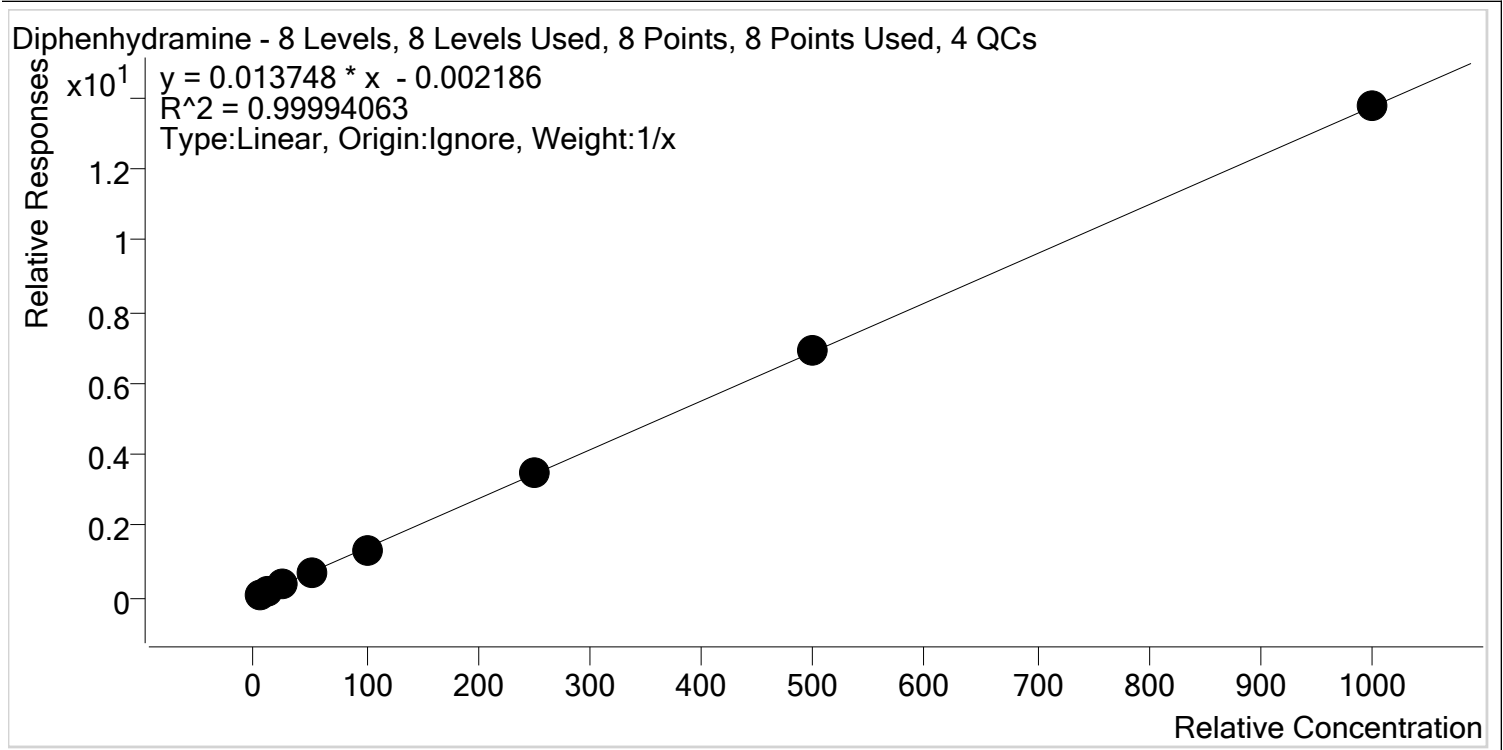


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	421.8	84.4
p1 Cal 8-1000ng	8	x	1000.0	703.0	70.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

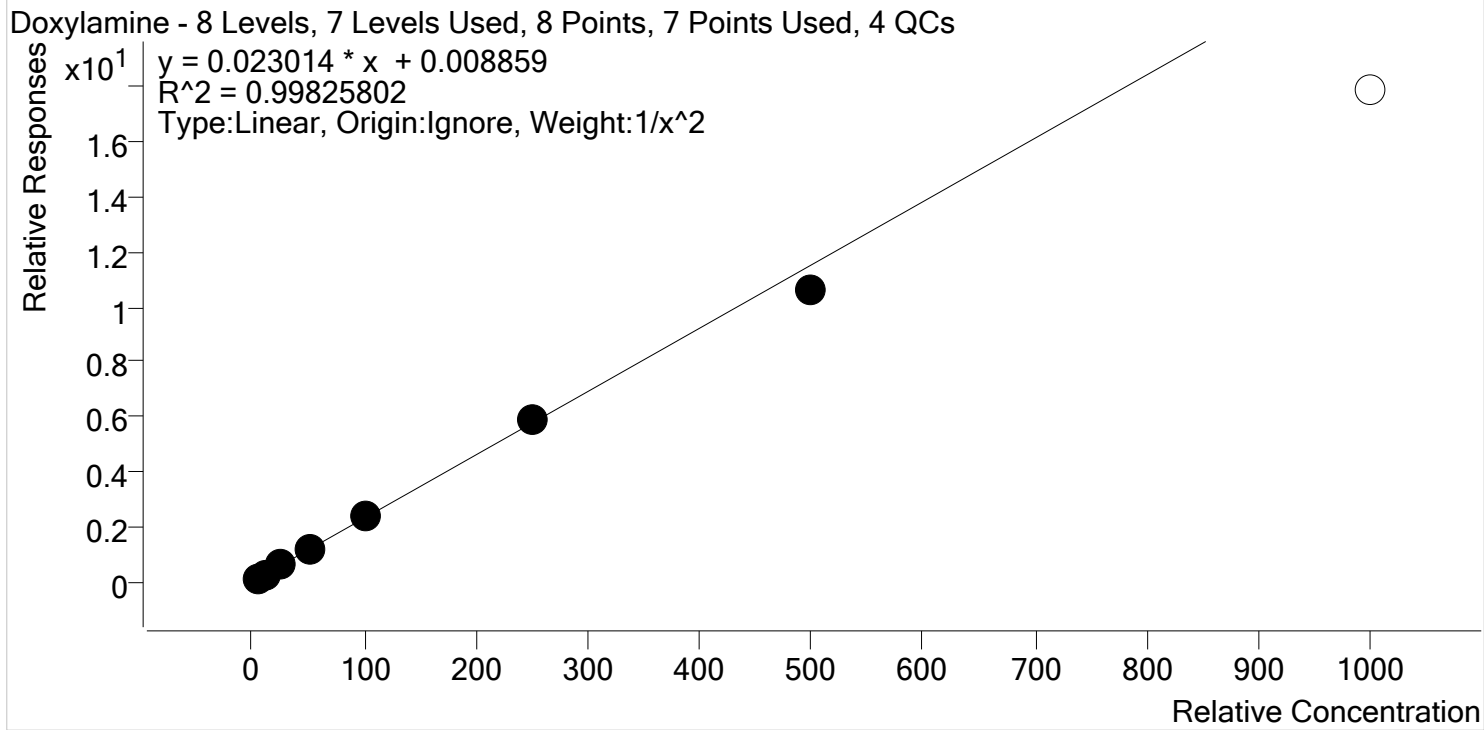


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1001.1	100.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/10/2020 10:48 AM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



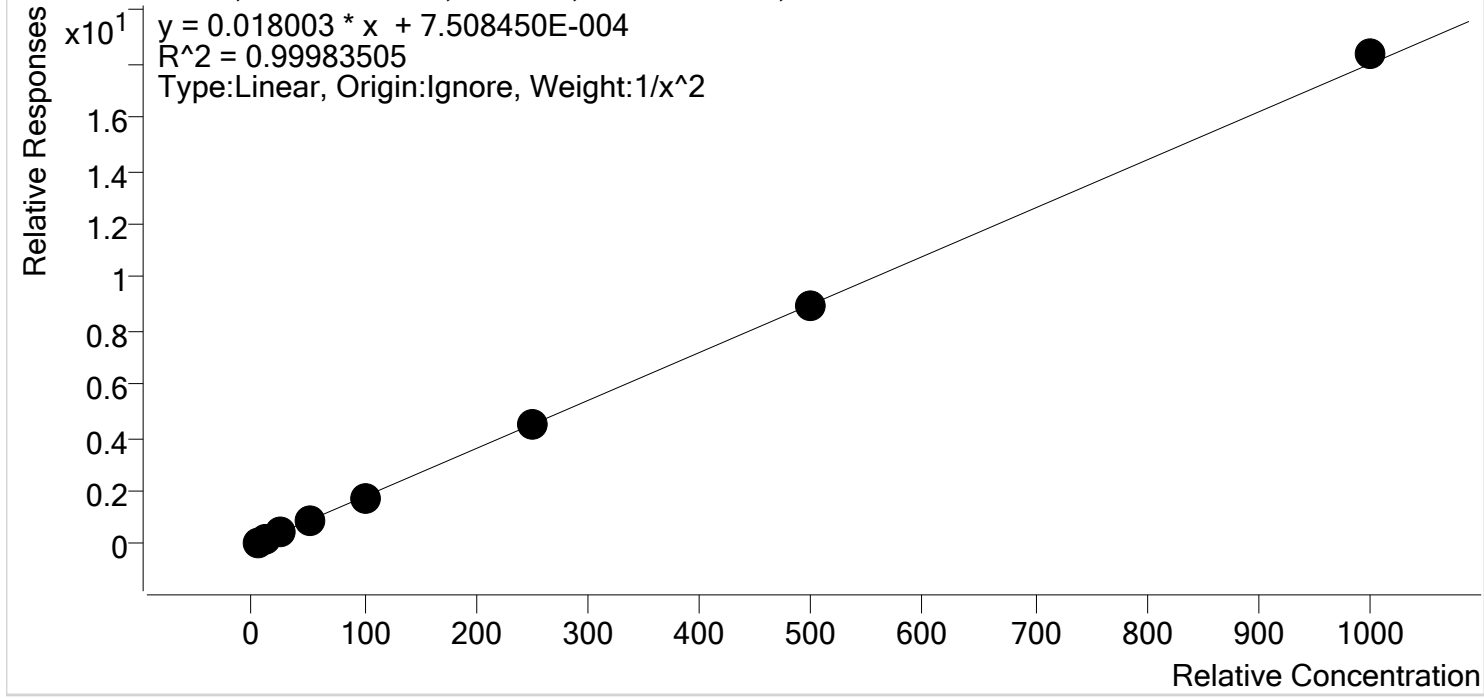
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	462.5	92.5
p1 Cal 8-1000ng	8	x	1000.0	775.9	77.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

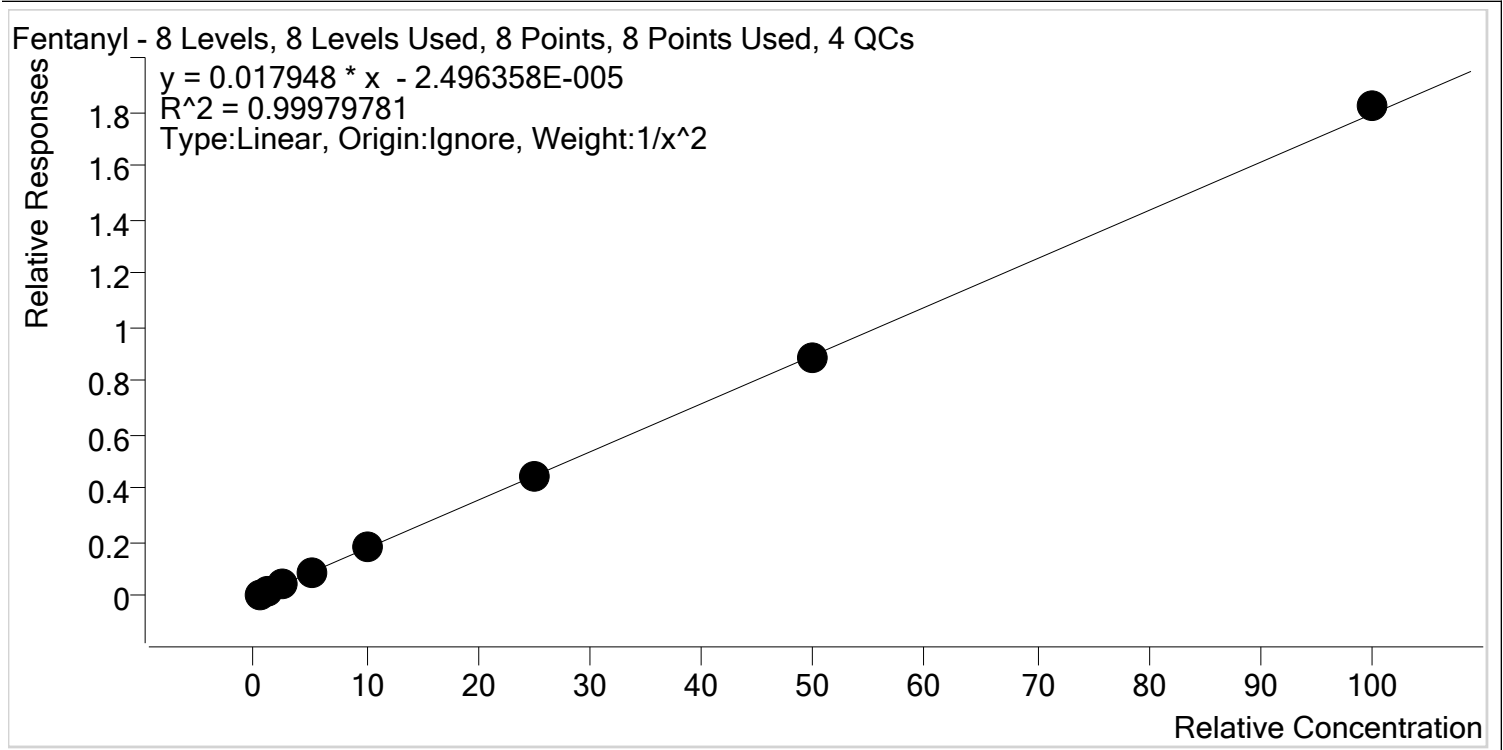


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1020.1	102.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
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	100.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	5.0	99.7
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	25.3	101.3
p1 Cal 7-500ng	7	✓	50.0	49.7	99.4
p1 Cal 8-1000ng	8	✓	100.0	101.6	101.6



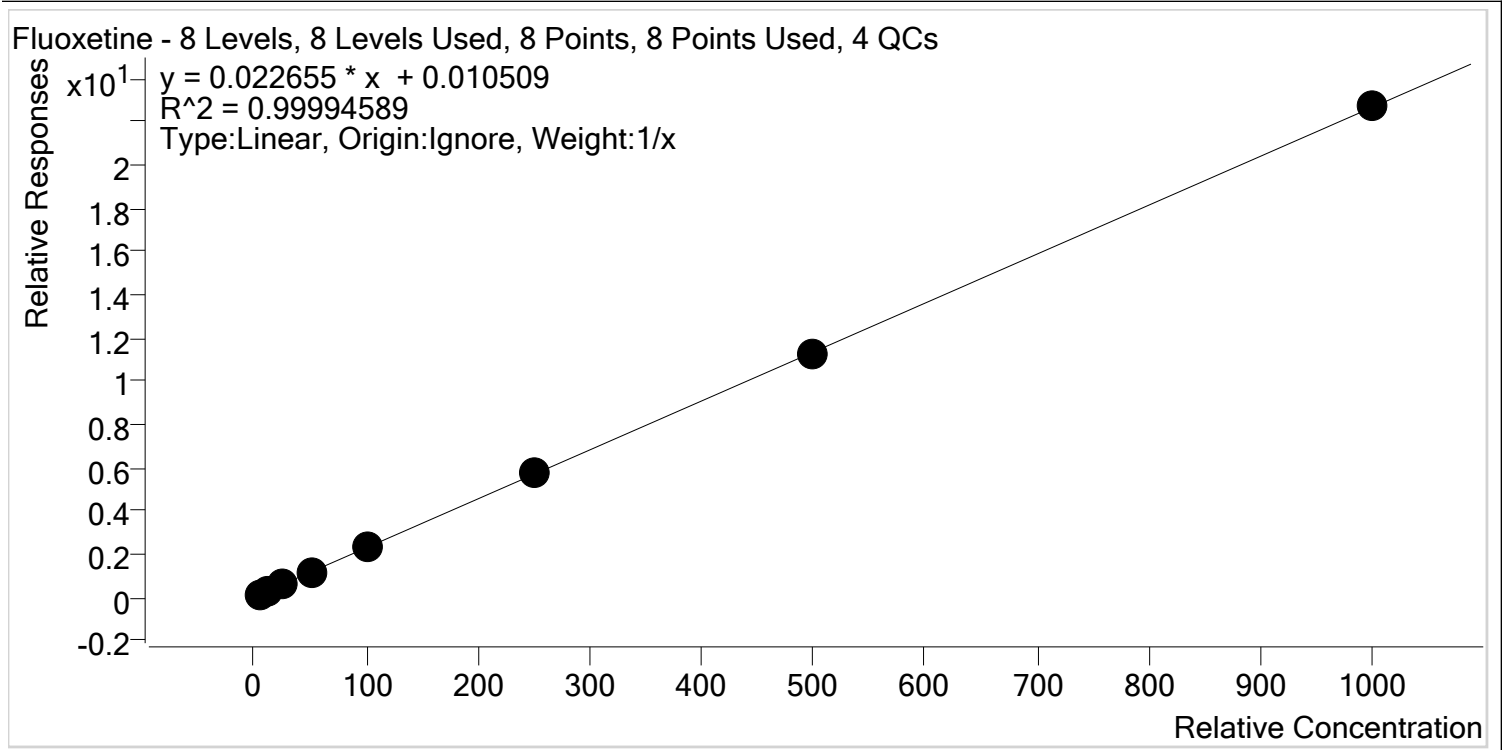
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
P1.batch.bin

Last Cal. Update 1/9/2020 9:32 AM

Analyst Name ISP\Datastor

Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

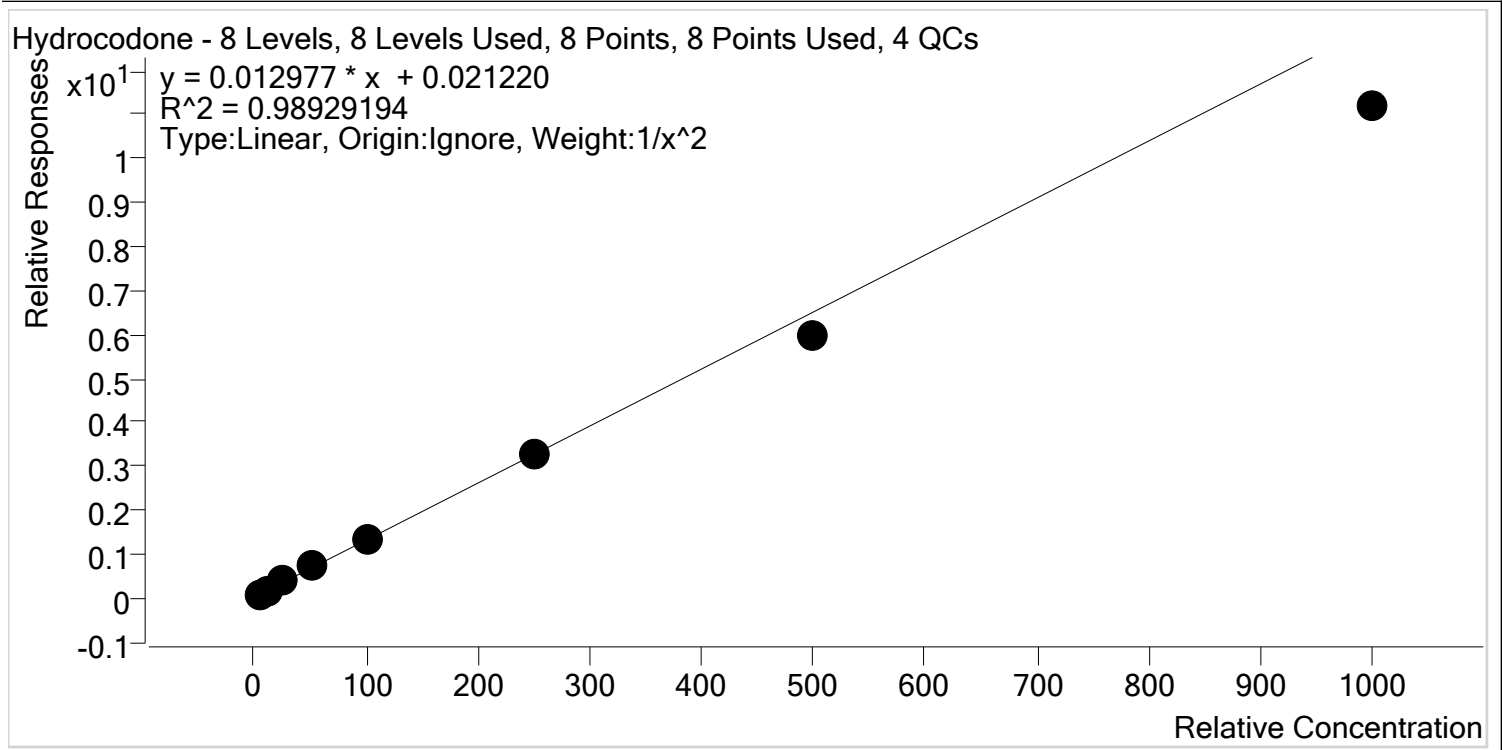


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1002.3	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datator
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

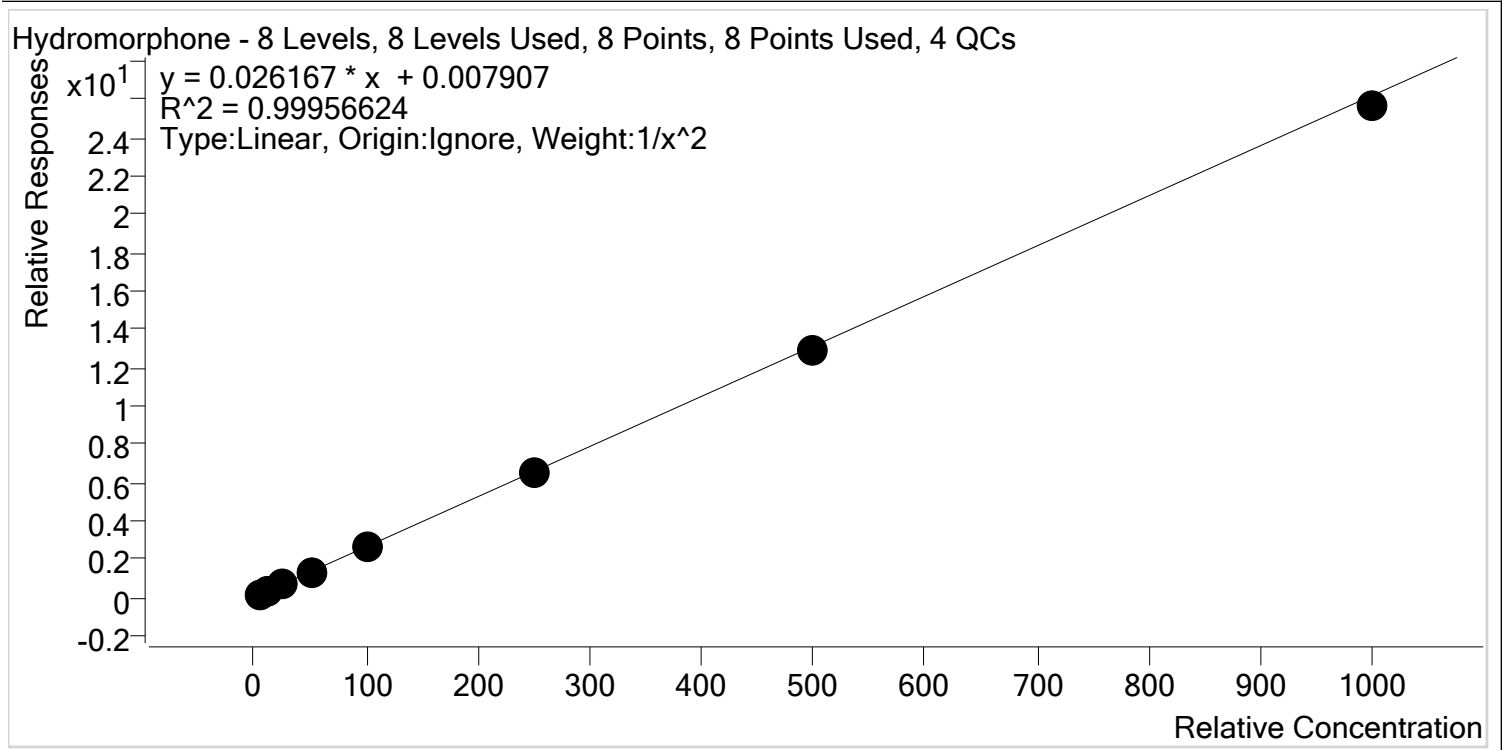


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.2
p1 Cal 4-50ng	4	✓	50.0	55.8	111.5
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	457.6	91.5
p1 Cal 8-1000ng	8	✓	1000.0	861.0	86.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

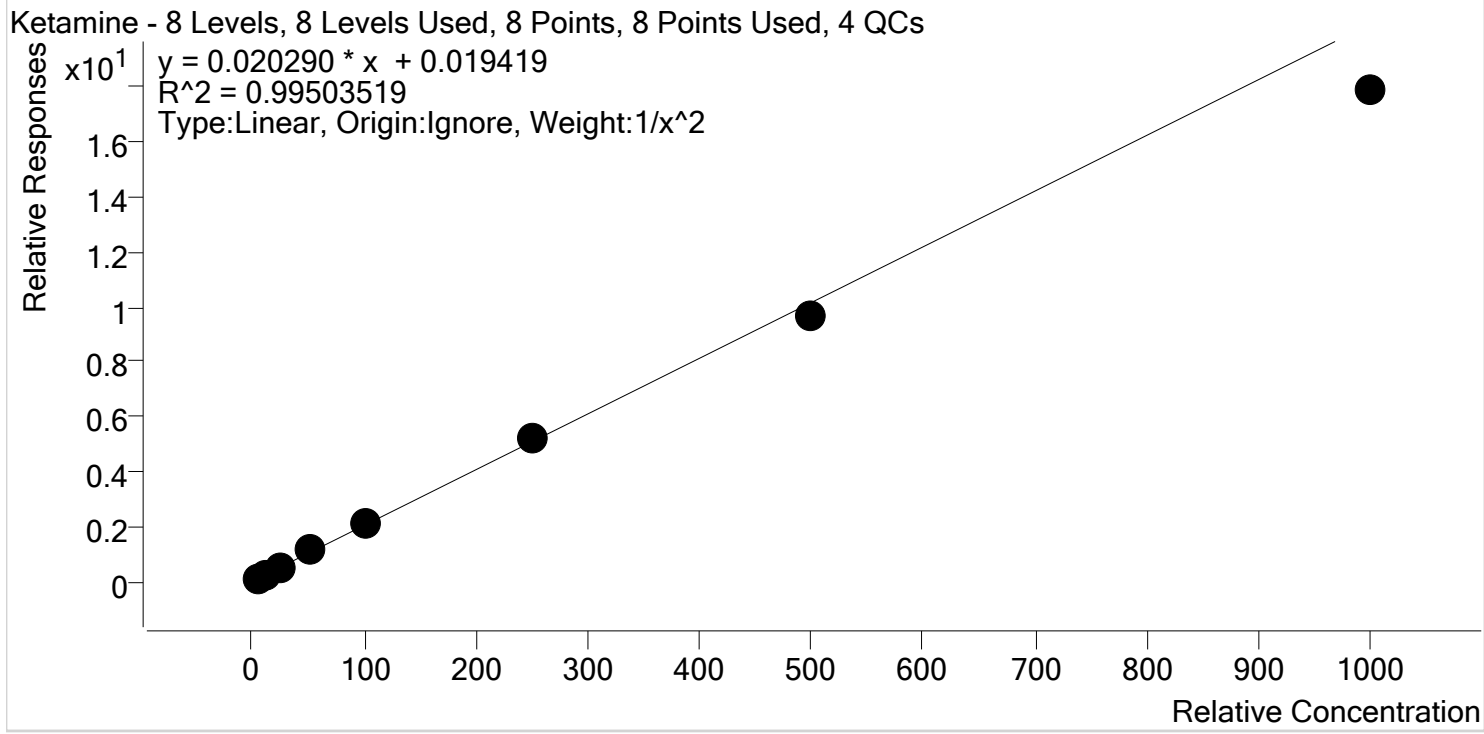


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	978.7	97.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

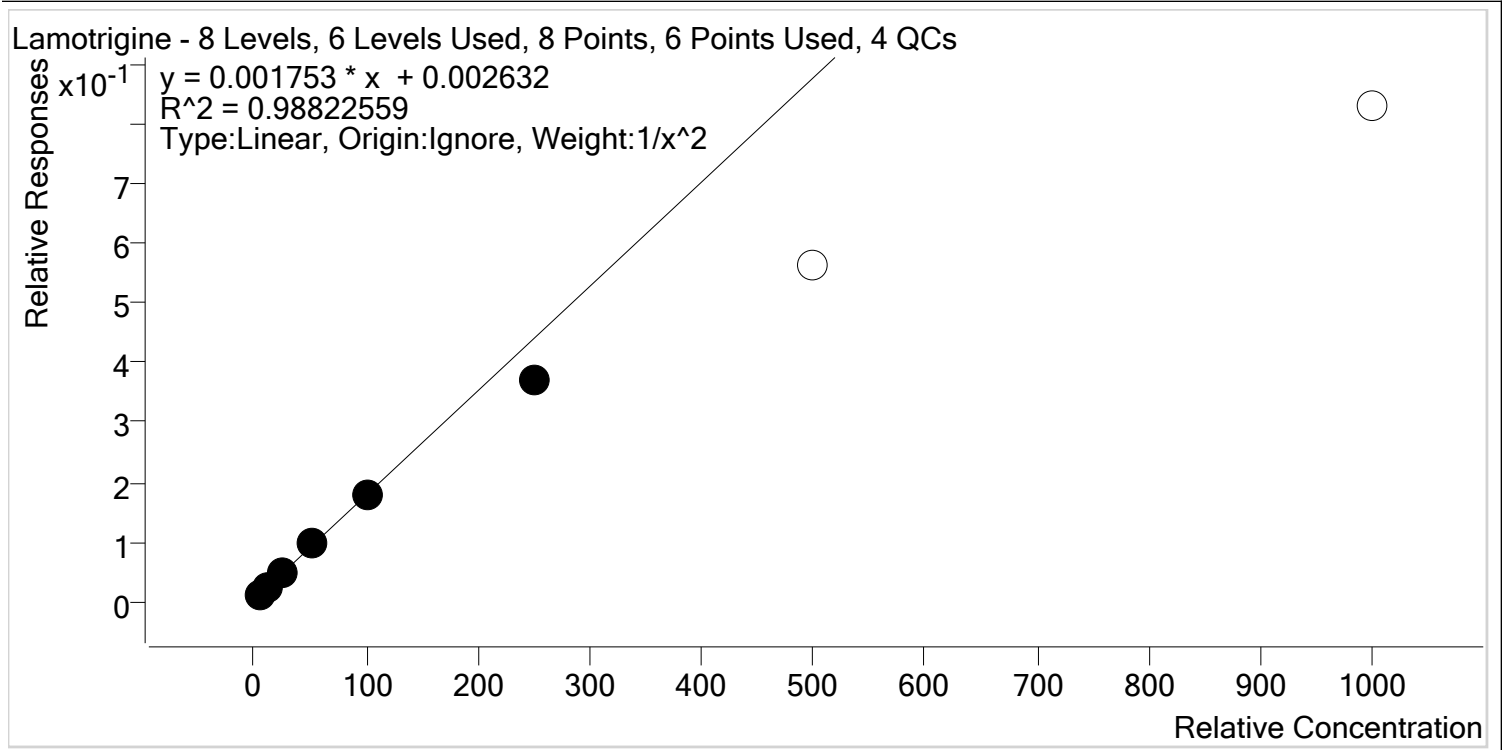


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	477.0	95.4
p1 Cal 8-1000ng	8	✓	1000.0	881.1	88.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

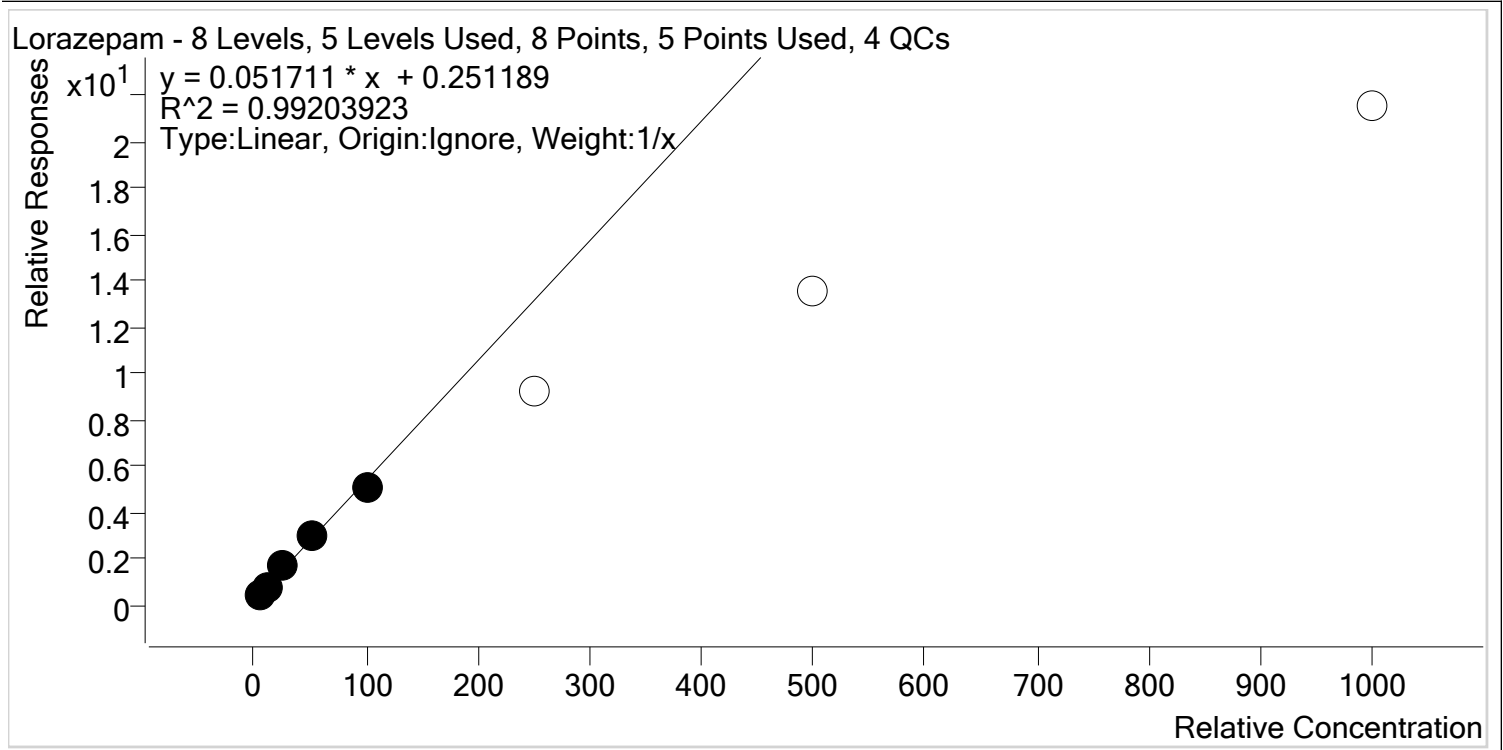


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	211.0	84.4
p1 Cal 7-500ng	7	✗	500.0	318.8	63.8
p1 Cal 8-1000ng	8	✗	1000.0	472.6	47.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

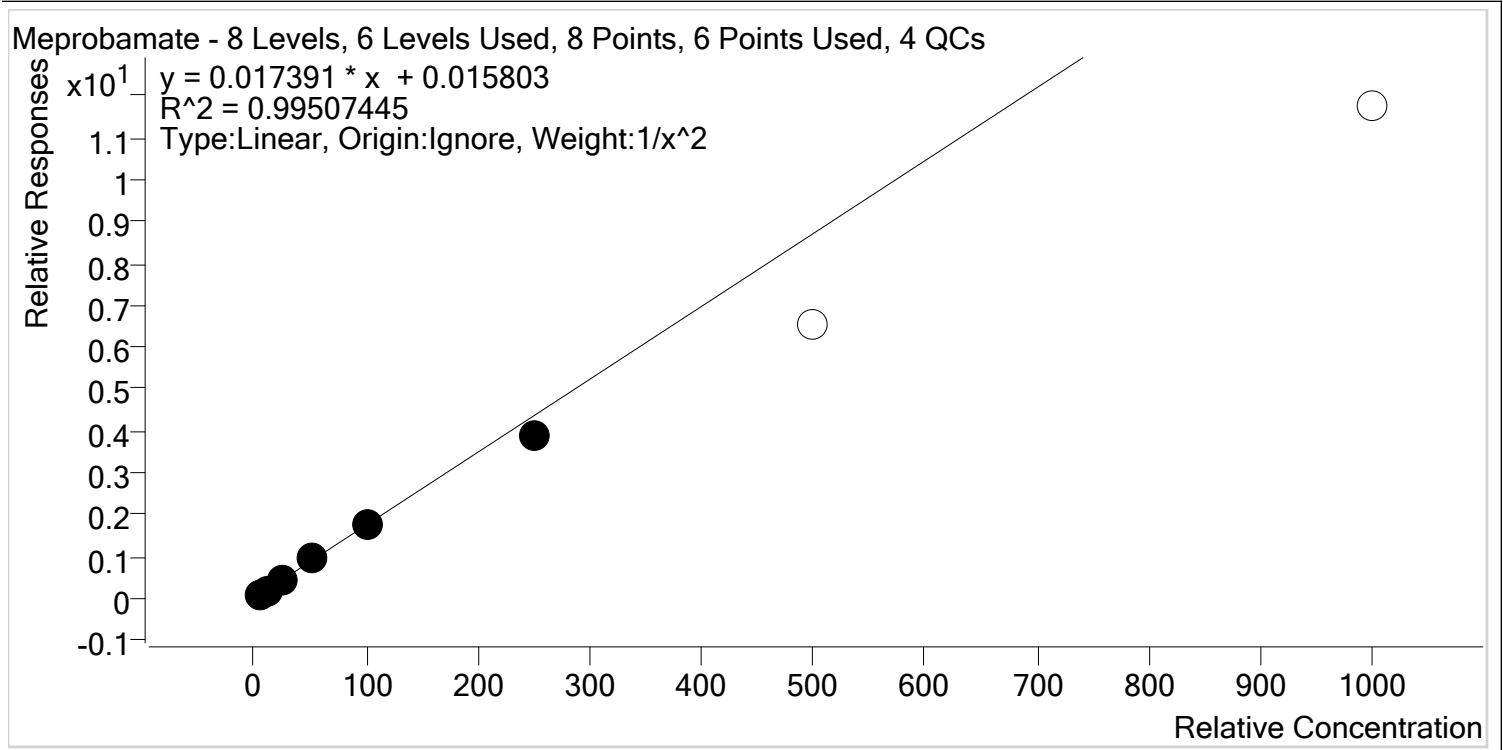


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	9.2	91.8
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.9
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✗	250.0	173.4	69.3
p1 Cal 7-500ng	7	✗	500.0	259.5	51.9
p1 Cal 8-1000ng	8	✗	1000.0	412.3	41.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

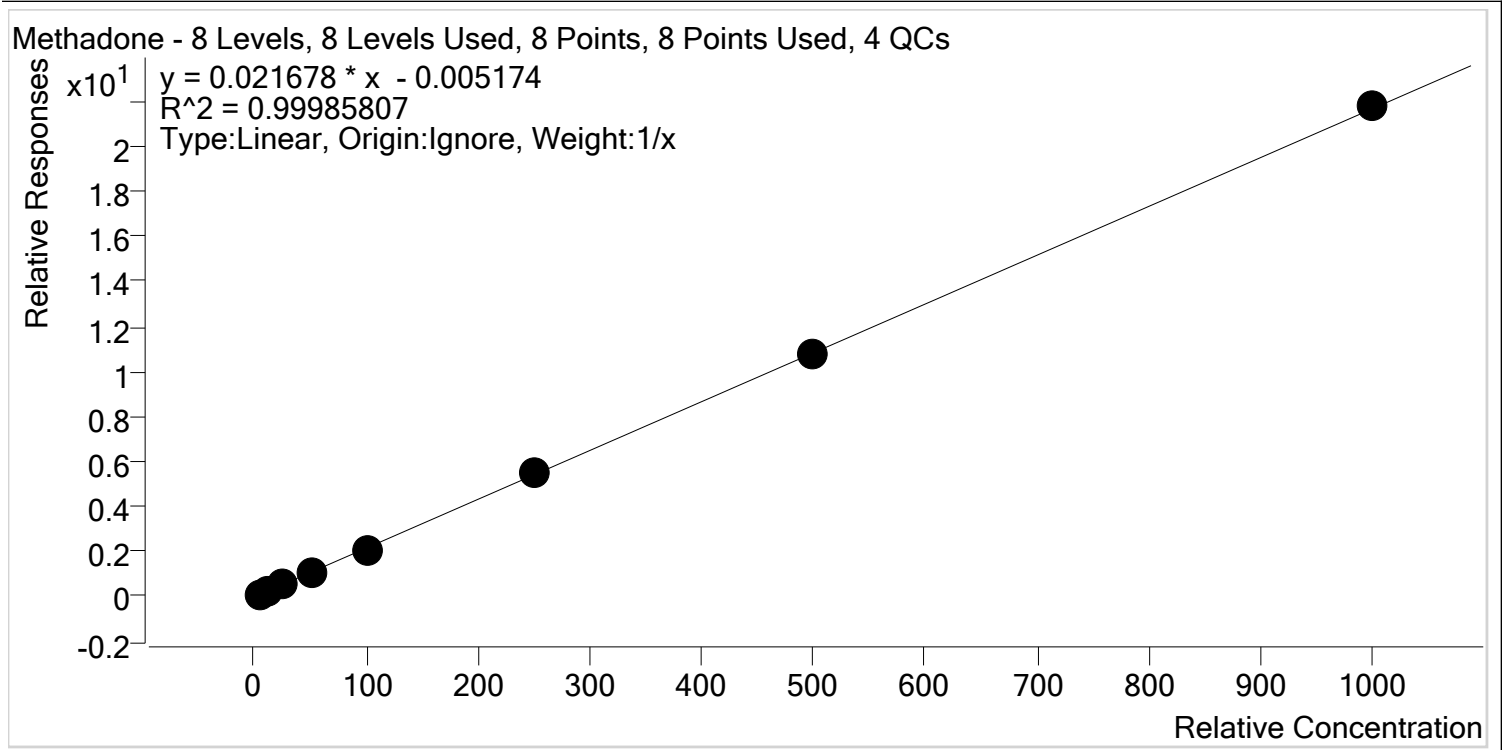


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	224.2	89.7
p1 Cal 7-500ng	7	×	500.0	376.9	75.4
p1 Cal 8-1000ng	8	×	1000.0	674.6	67.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

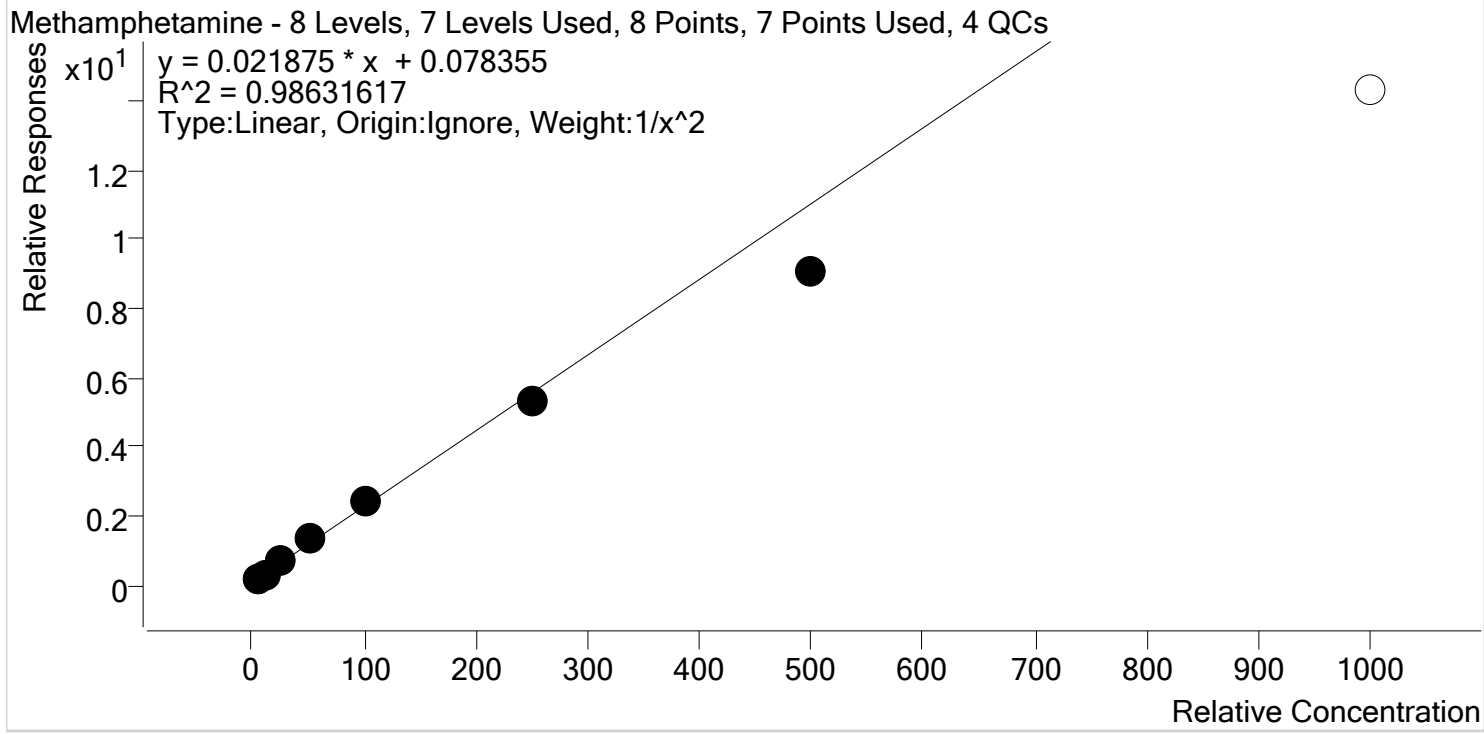


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.3	100.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



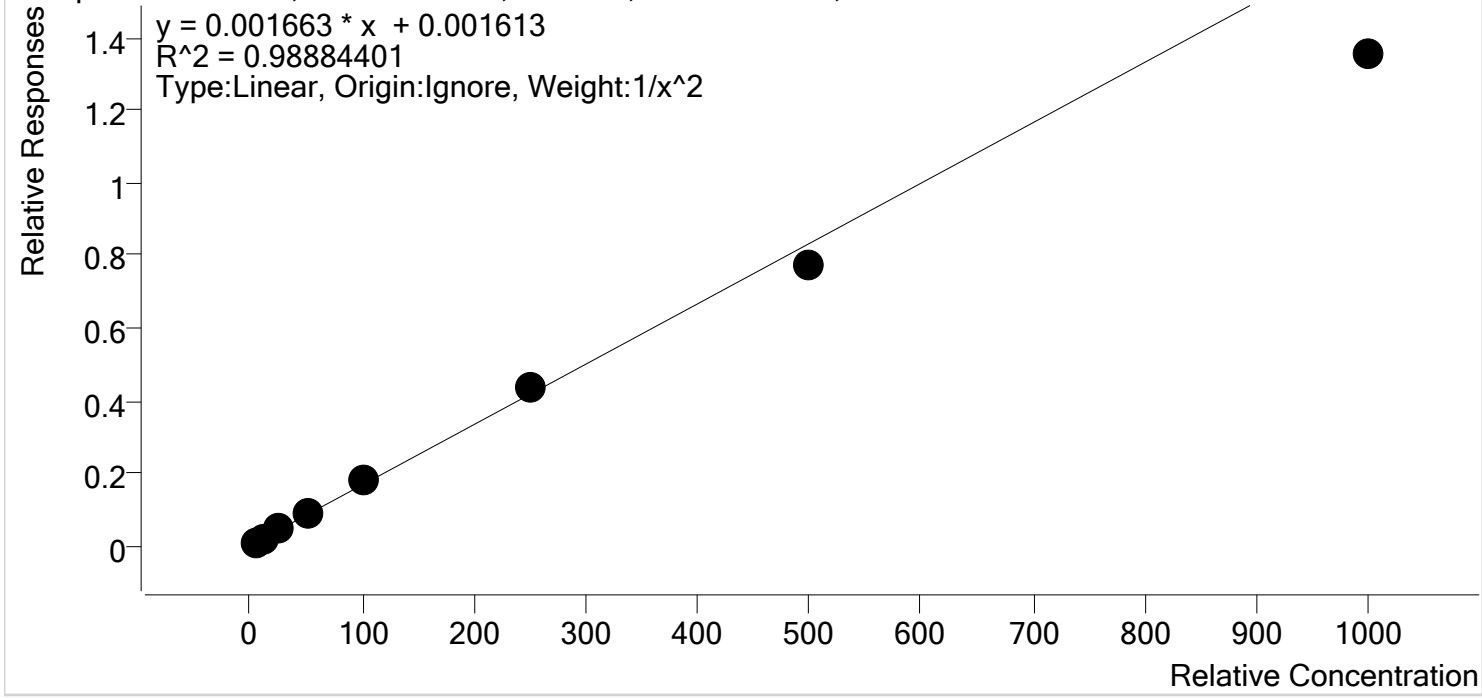
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	55.8	111.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✓	500.0	409.9	82.0
p1 Cal 8-1000ng	8	x	1000.0	649.7	65.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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

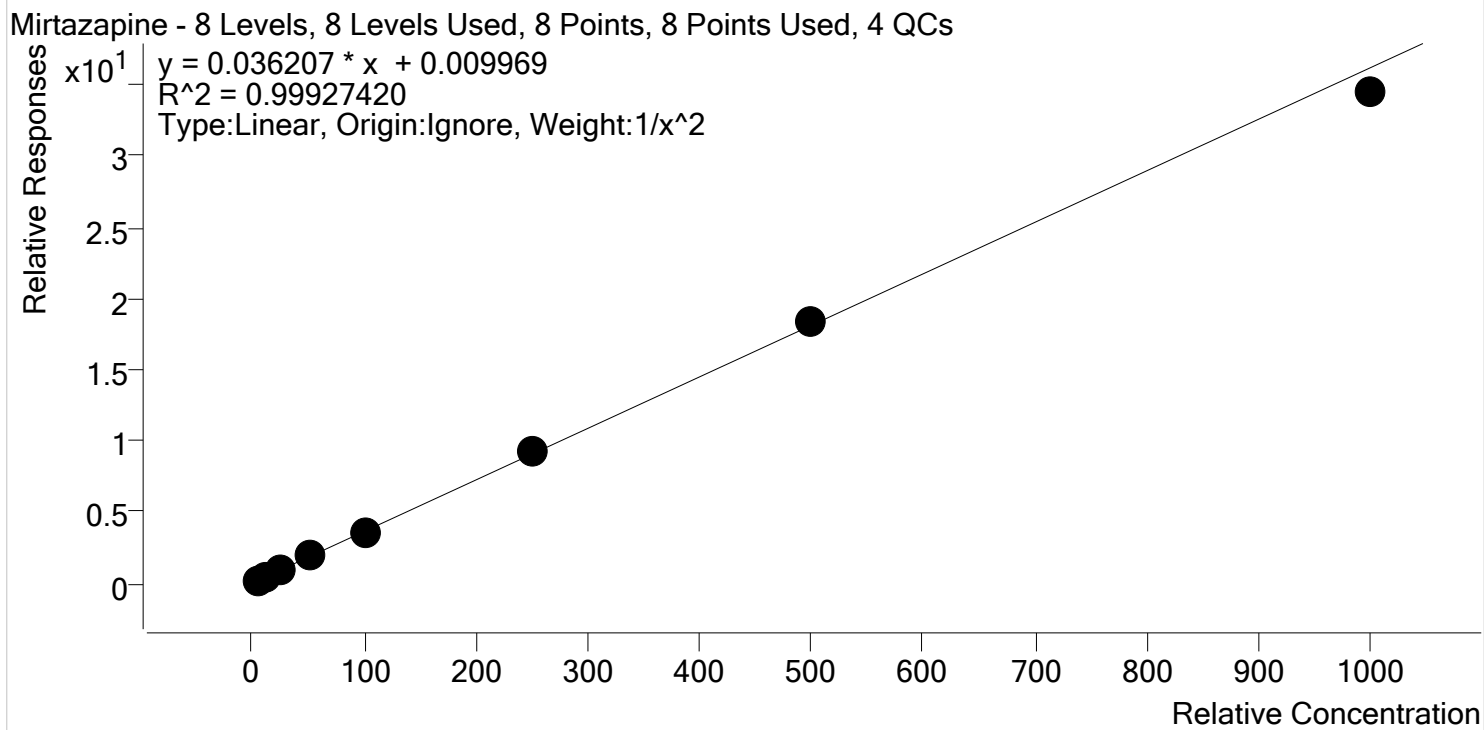


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	108.2	108.2
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✓	500.0	466.1	93.2
p1 Cal 8-1000ng	8	✓	1000.0	813.5	81.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

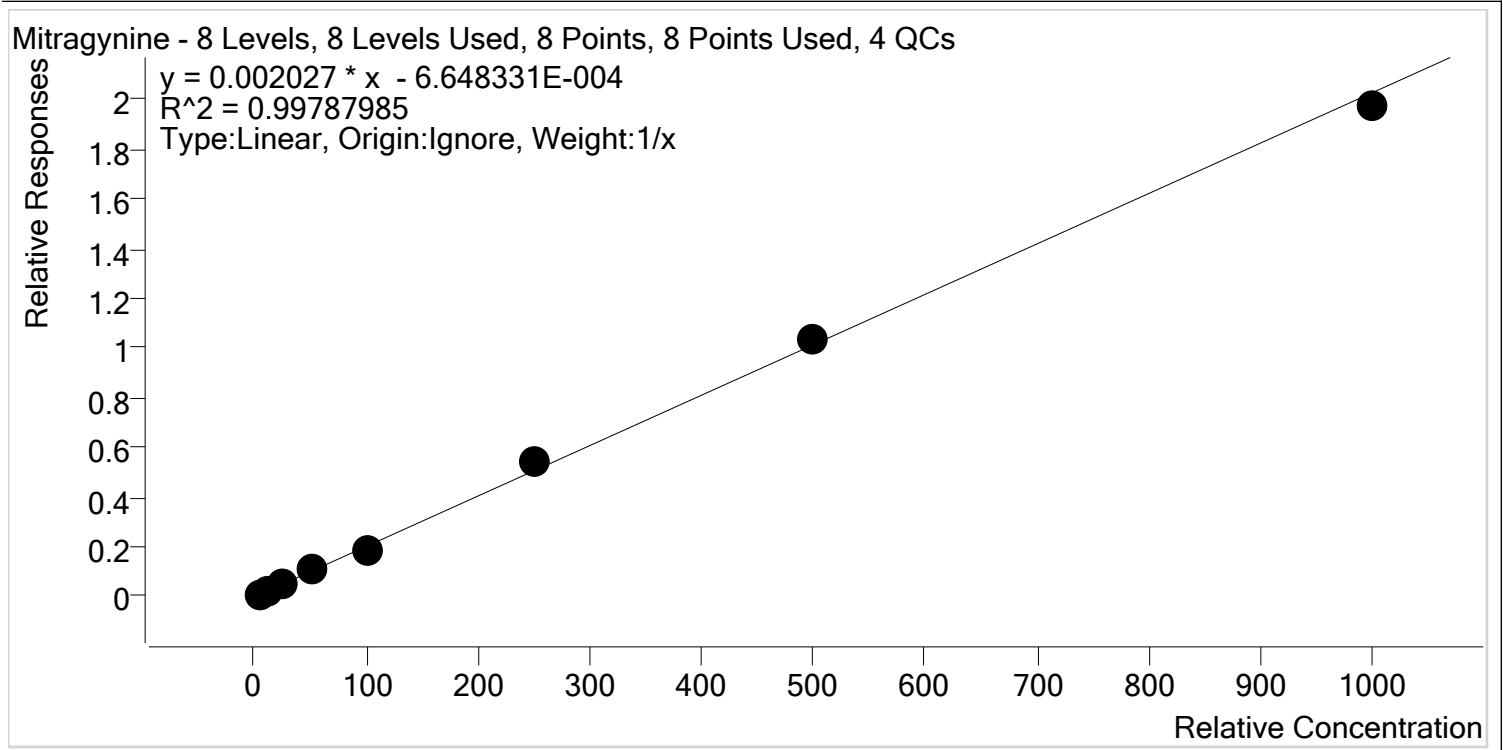


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	504.4	100.9
p1 Cal 8-1000ng	8	✓	1000.0	952.5	95.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

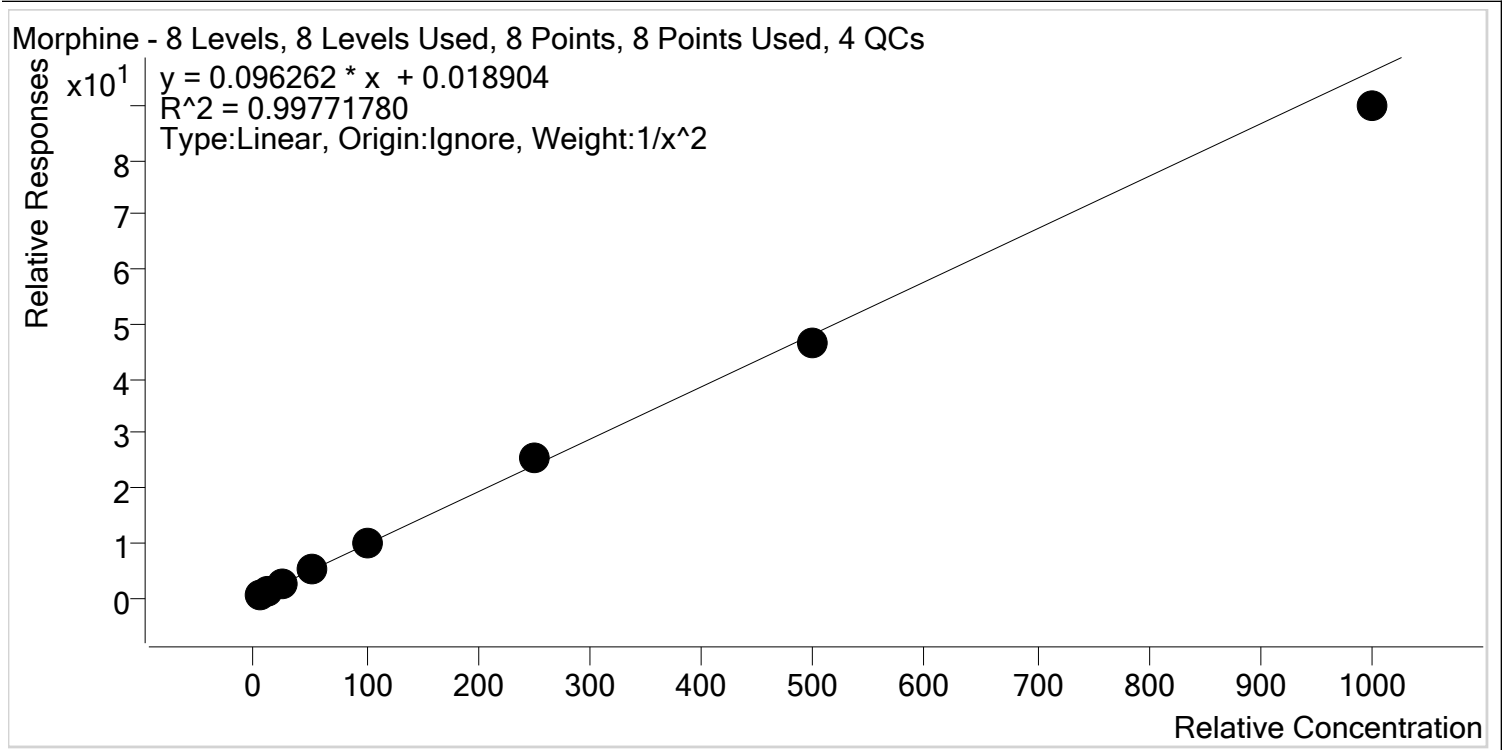


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	90.9	90.9
p1 Cal 6-250ng	6	✓	250.0	270.7	108.3
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	973.2	97.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



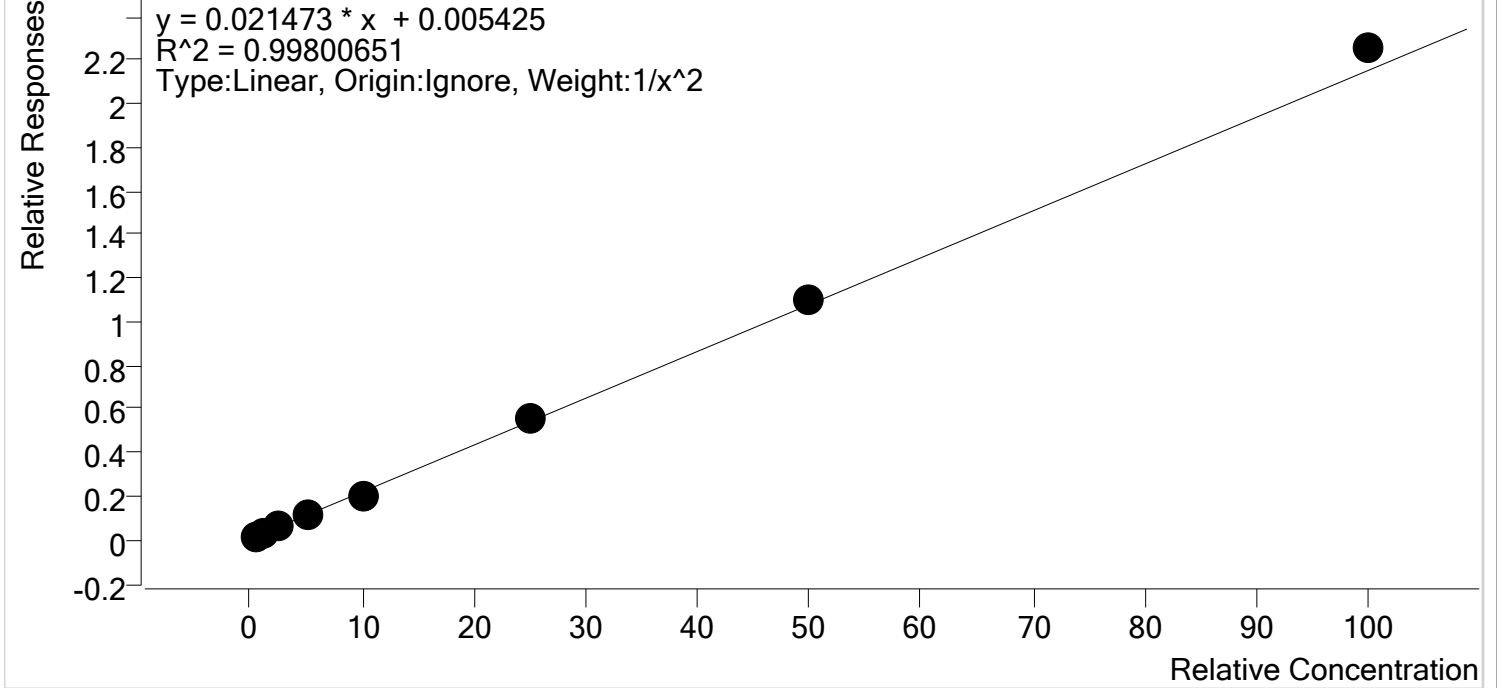
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	263.2	105.3
p1 Cal 7-500ng	7	✓	500.0	481.3	96.3
p1 Cal 8-1000ng	8	✓	1000.0	933.5	93.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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

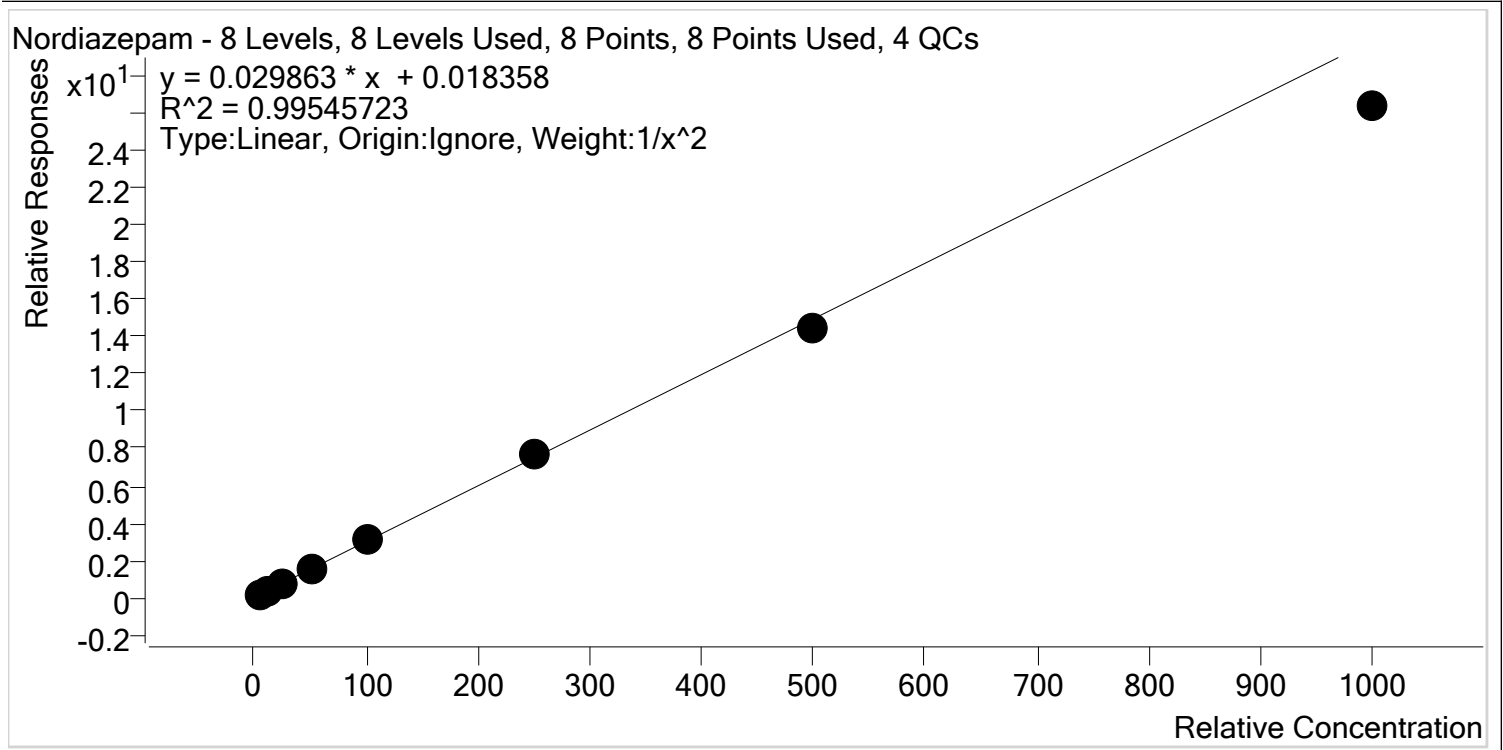


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.1
p1 Cal 5-100ng	5	✓	10.0	9.3	93.3
p1 Cal 6-250ng	6	✓	25.0	25.8	103.3
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	104.7	104.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

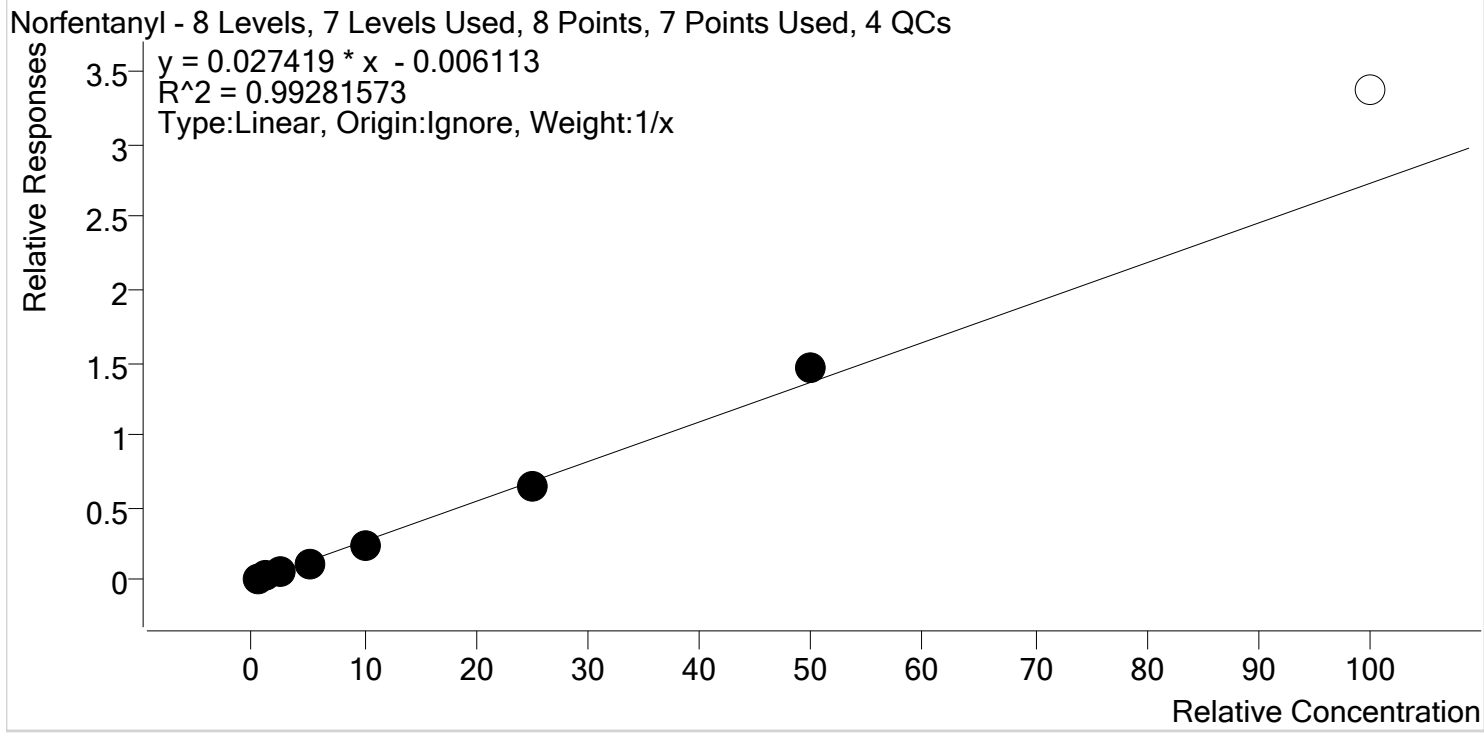


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	483.6	96.7
p1 Cal 8-1000ng	8	✓	1000.0	882.1	88.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

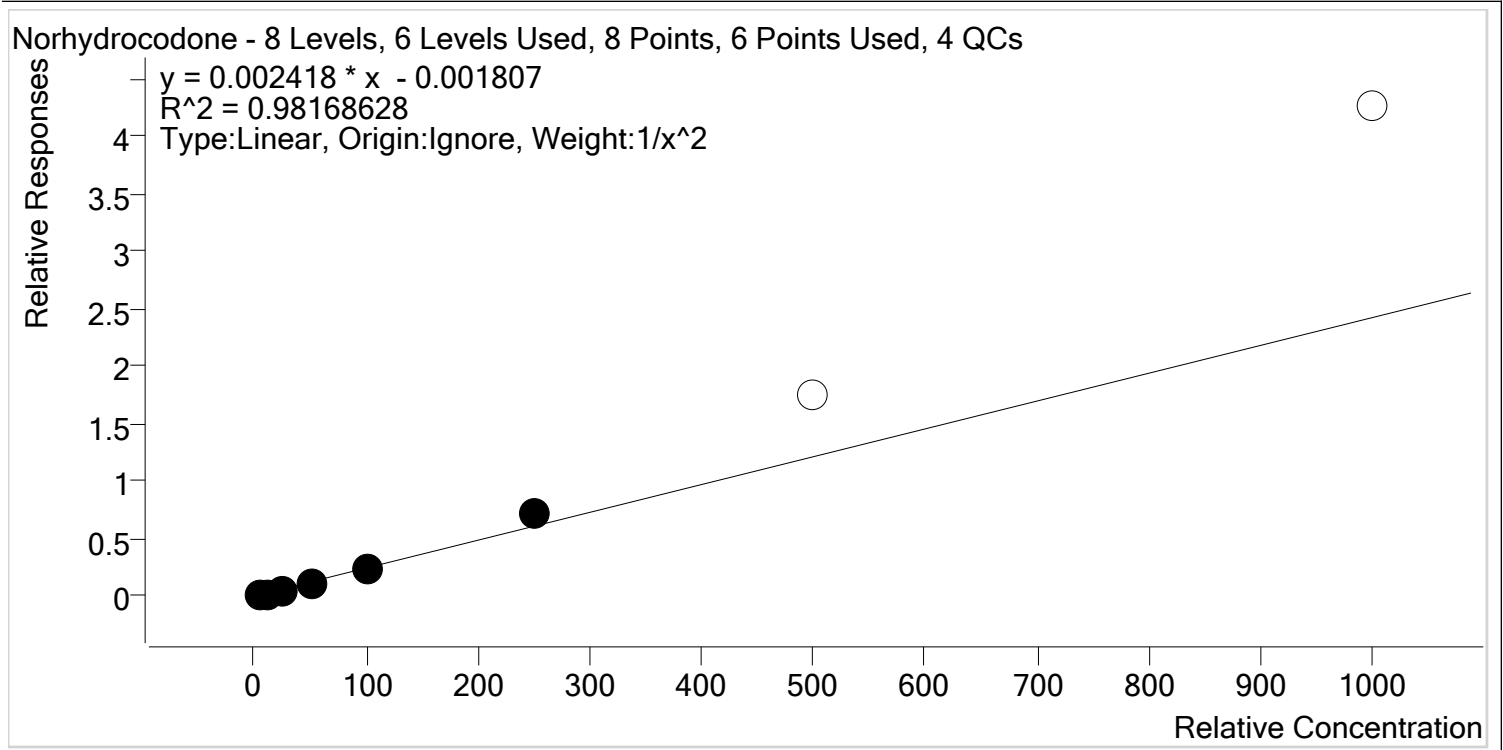


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	130.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.9
p1 Cal 3 -25ng	3	✓	2.5	2.2	88.7
p1 Cal 4-50ng	4	✓	5.0	4.4	88.8
p1 Cal 5-100ng	5	✓	10.0	8.8	87.7
p1 Cal 6-250ng	6	✓	25.0	23.6	94.4
p1 Cal 7-500ng	7	✓	50.0	53.3	106.6
p1 Cal 8-1000ng	8	x	100.0	123.4	123.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

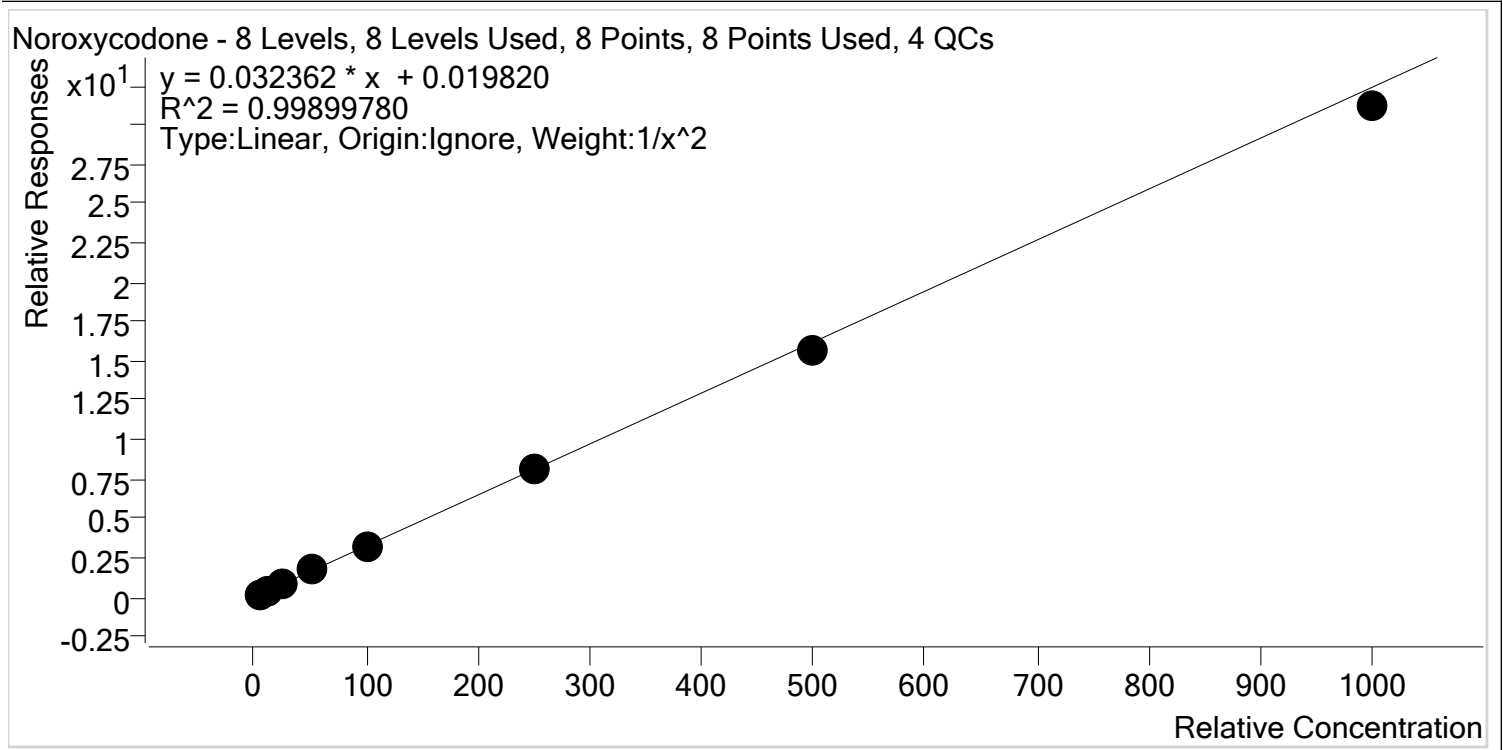


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.7
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.6
p1 Cal 3 -25ng	3	✓	25.0	22.2	88.9
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	298.5	119.4
p1 Cal 7-500ng	7	✗	500.0	717.1	143.4
p1 Cal 8-1000ng	8	✗	1000.0	1759.7	176.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

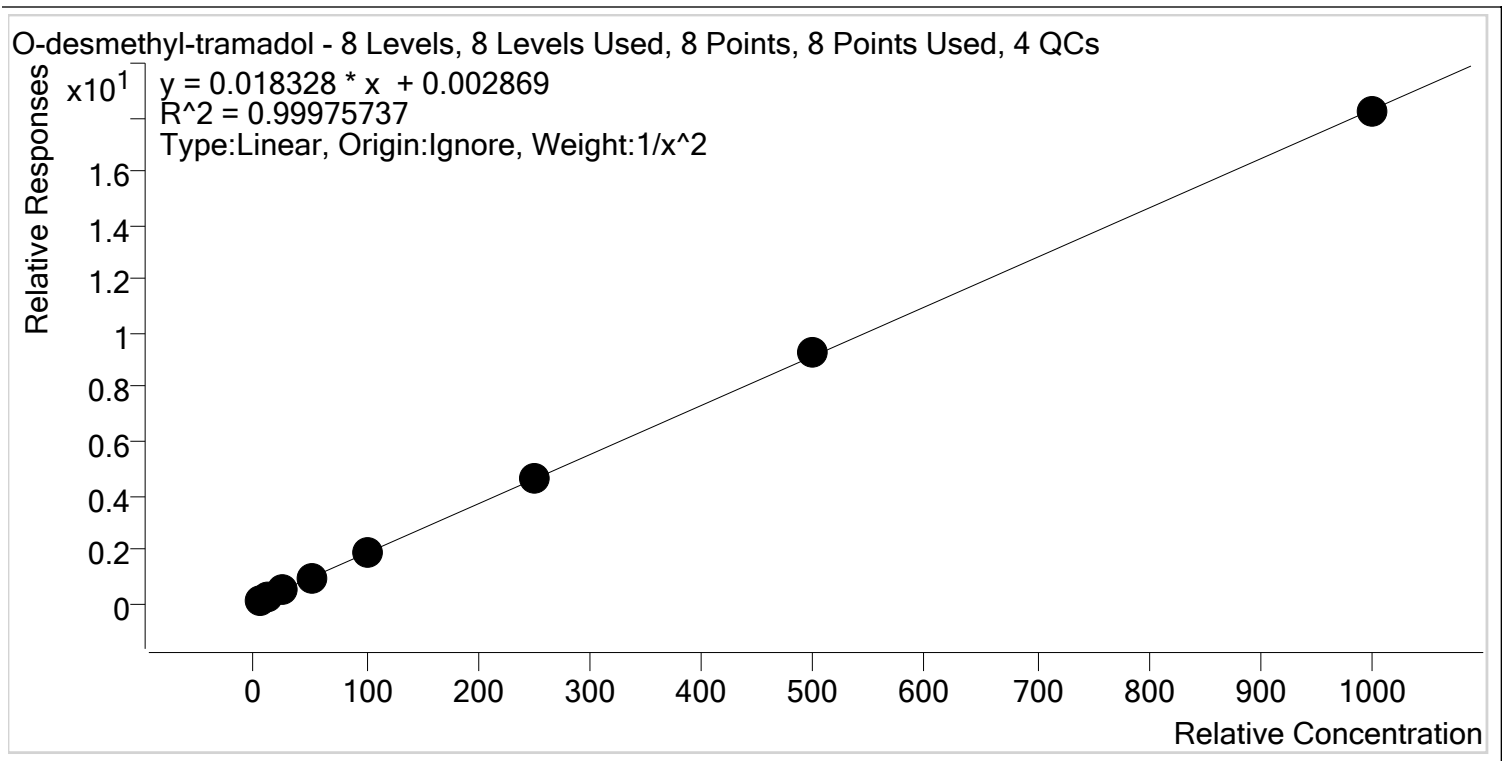


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	486.5	97.3
p1 Cal 8-1000ng	8	✓	1000.0	962.7	96.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

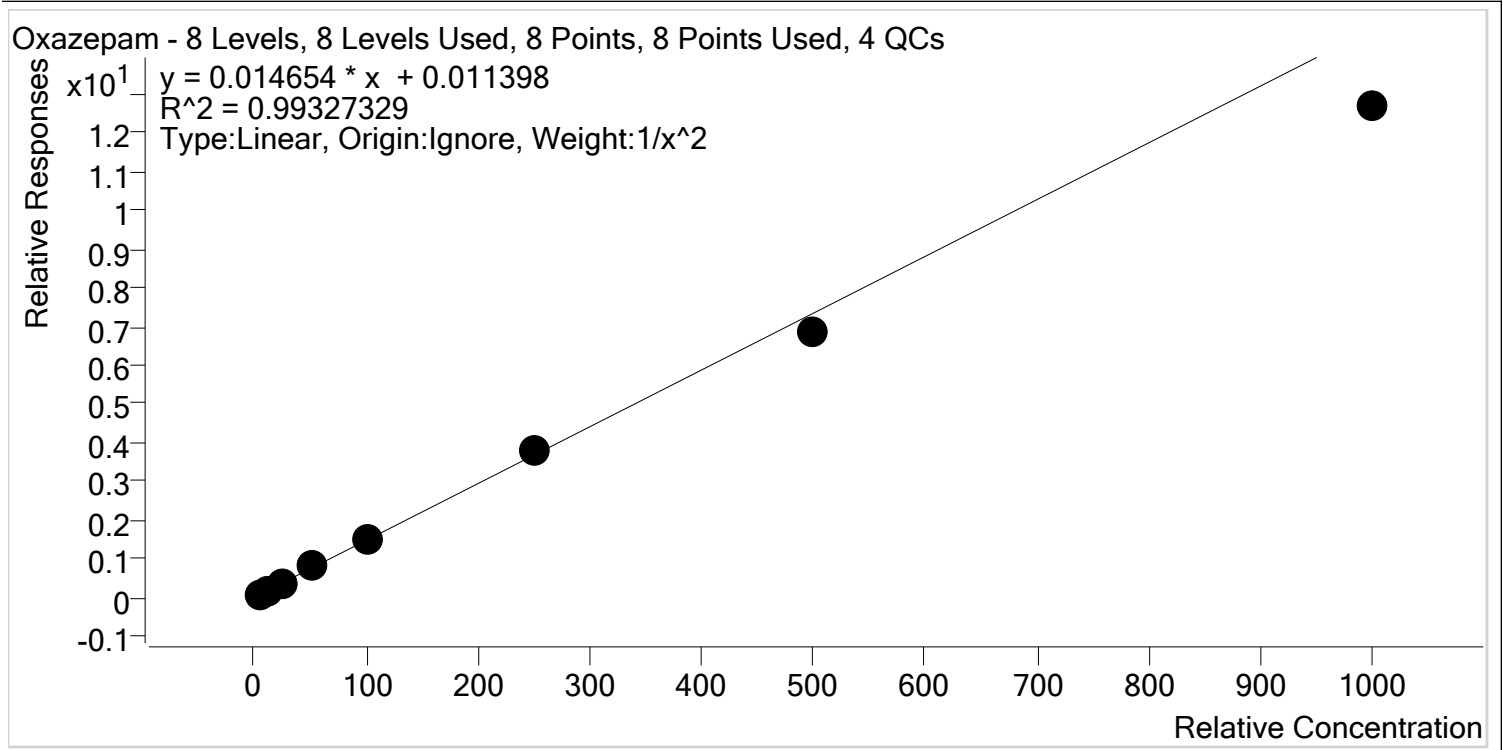


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	506.6	101.3
p1 Cal 8-1000ng	8	✓	1000.0	995.3	99.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

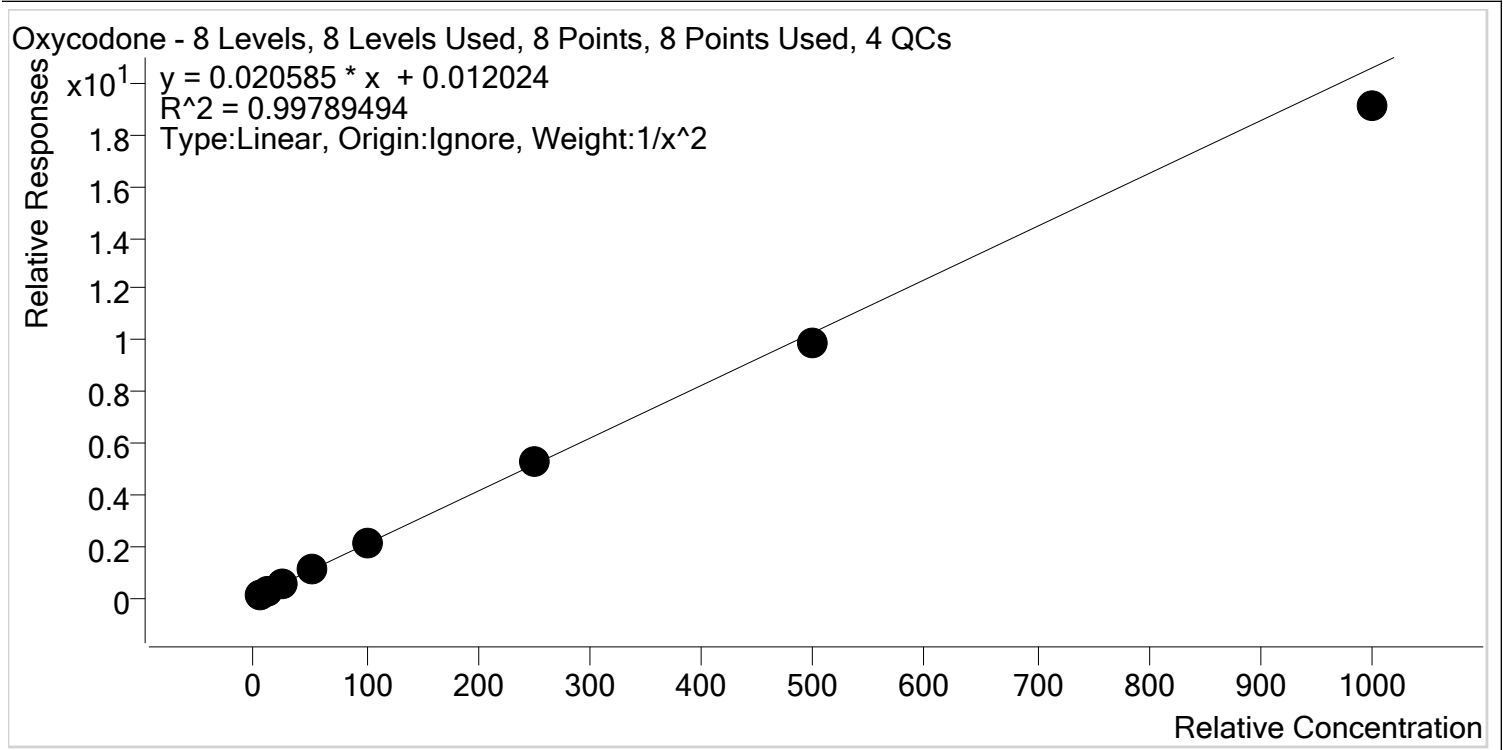


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	54.6	109.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	470.6	94.1
p1 Cal 8-1000ng	8	✓	1000.0	864.5	86.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

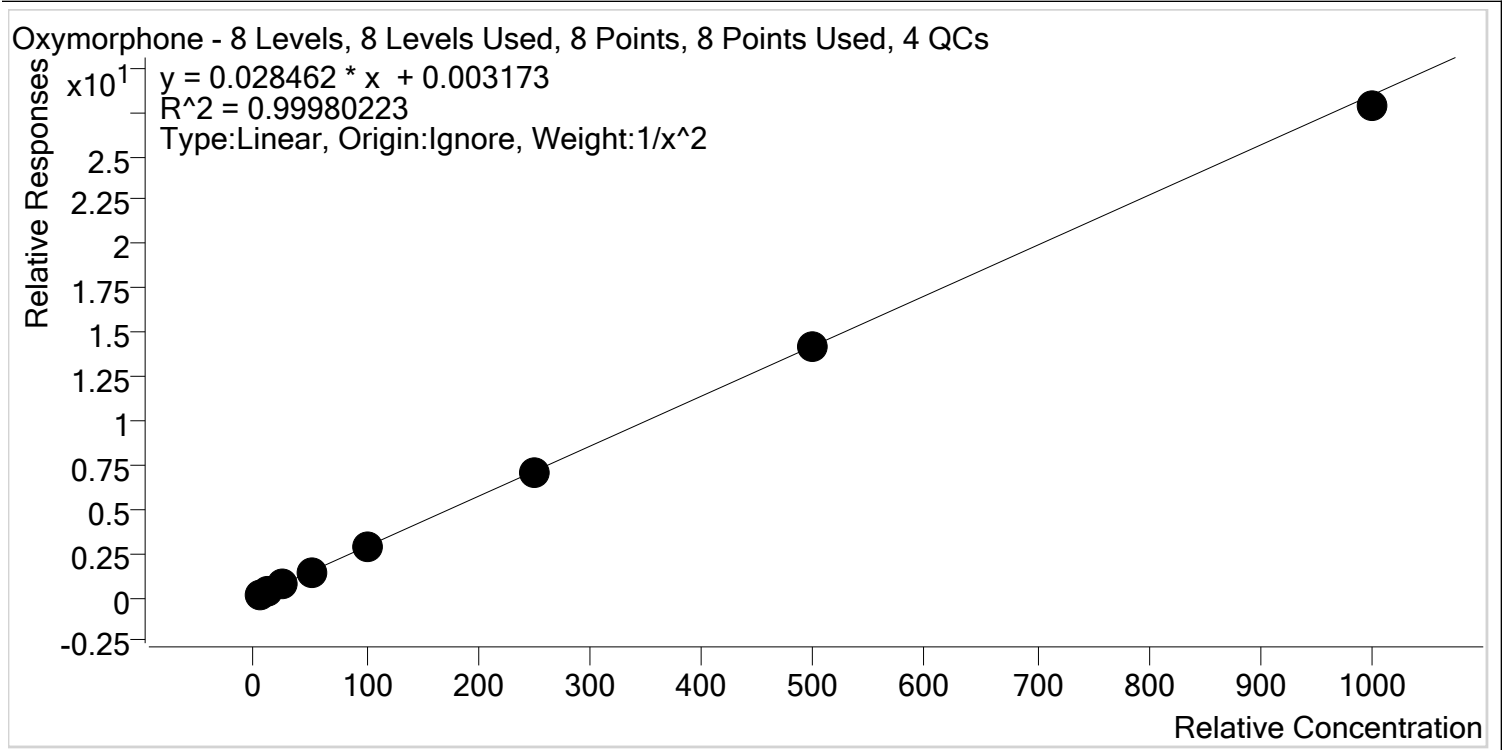


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	482.3	96.5
p1 Cal 8-1000ng	8	✓	1000.0	927.4	92.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

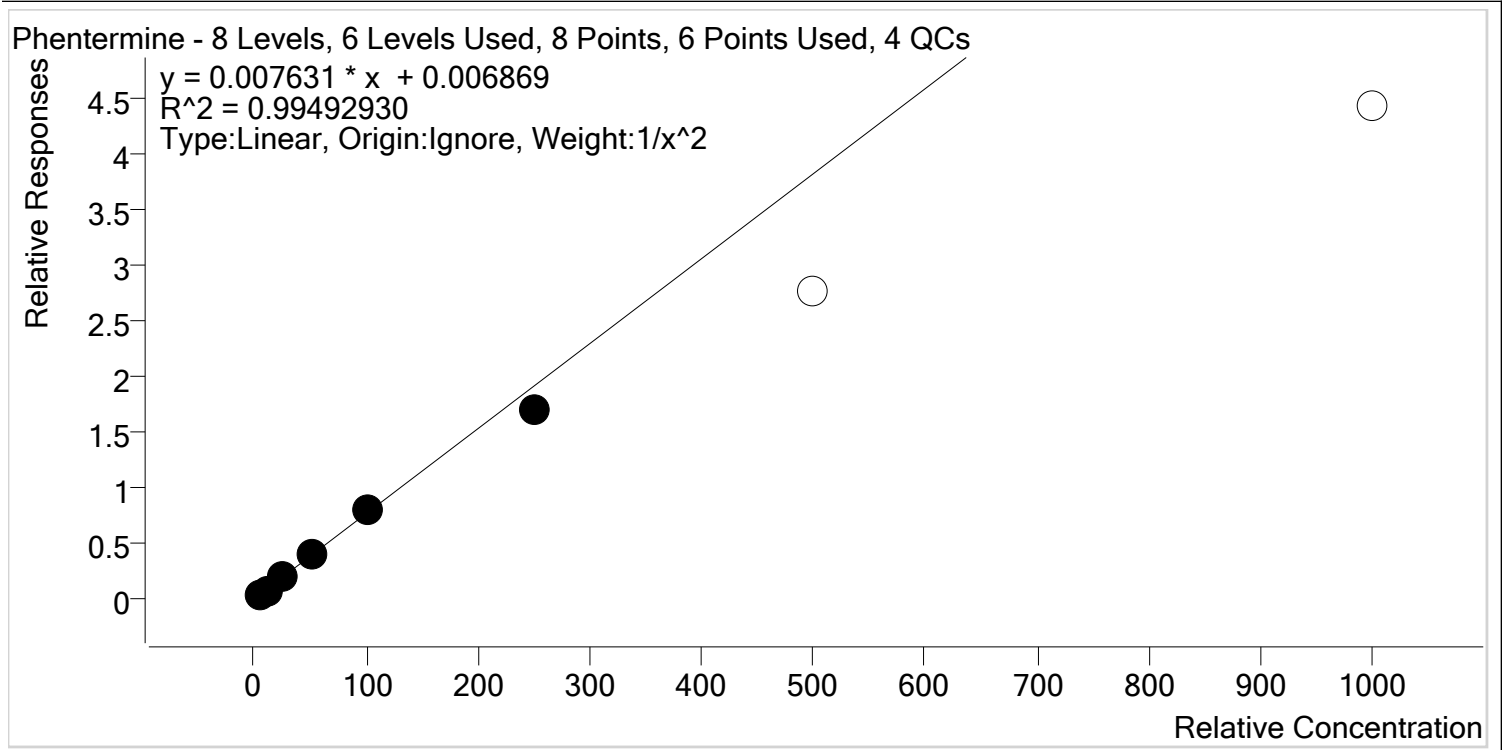


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	977.4	97.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

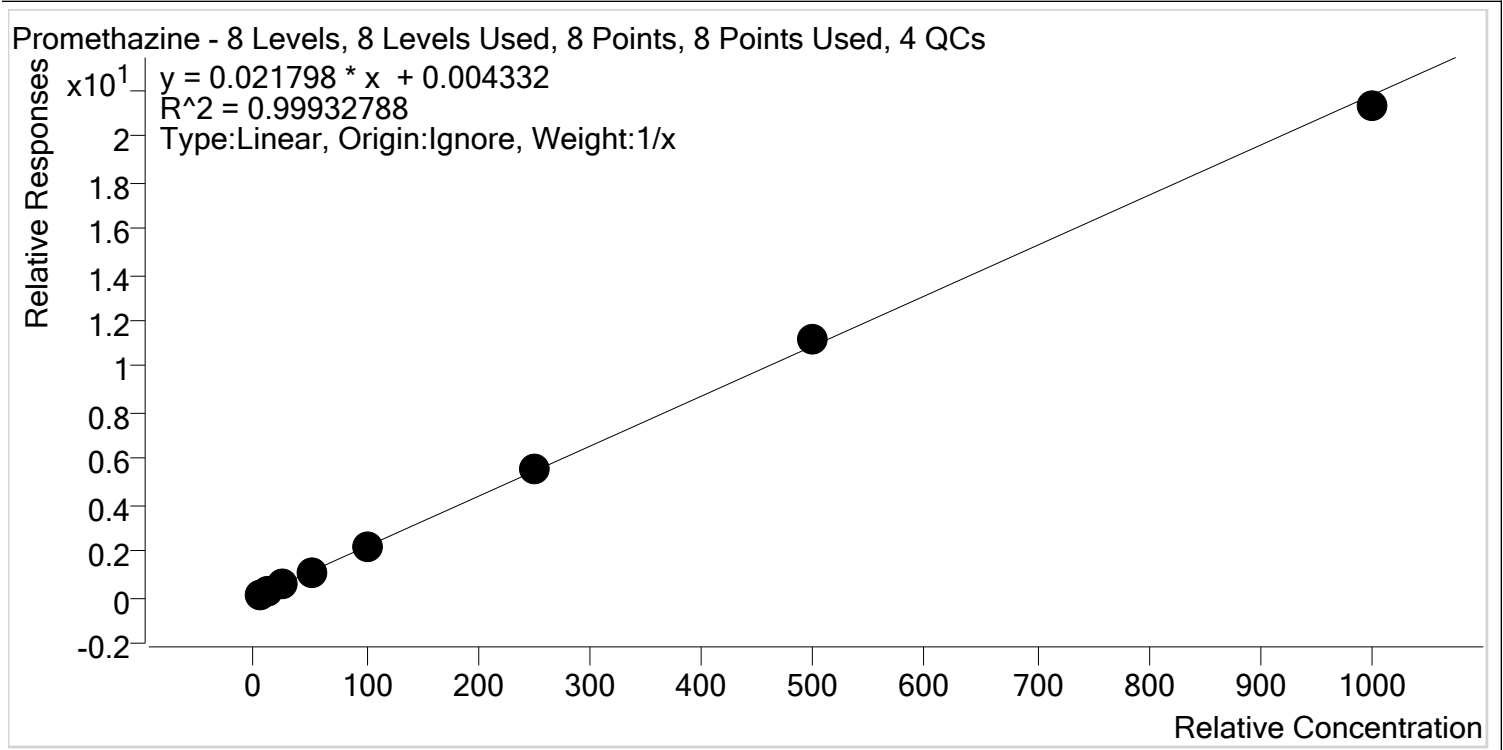


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	222.6	89.0
p1 Cal 7-500ng	7	✗	500.0	361.5	72.3
p1 Cal 8-1000ng	8	✗	1000.0	579.4	57.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

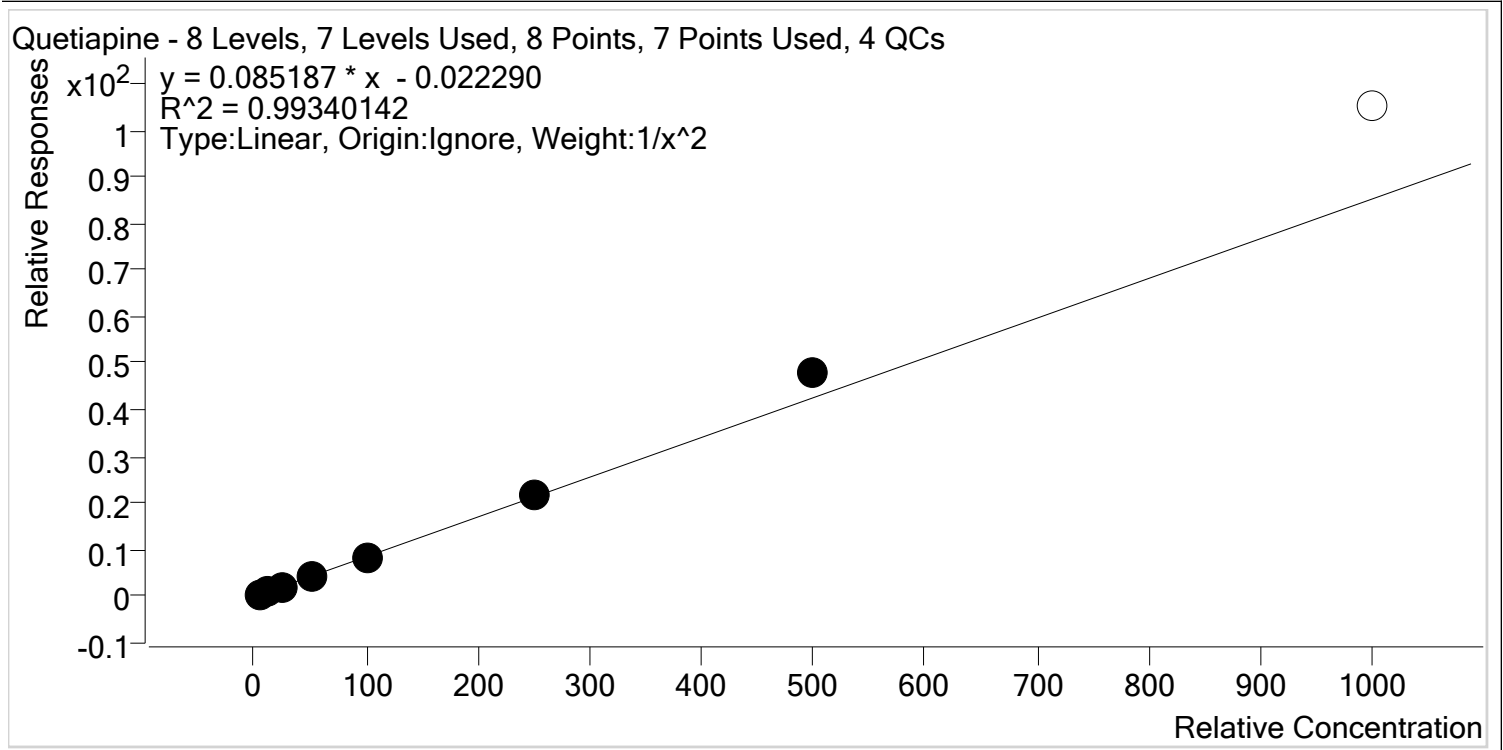


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	977.6	97.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

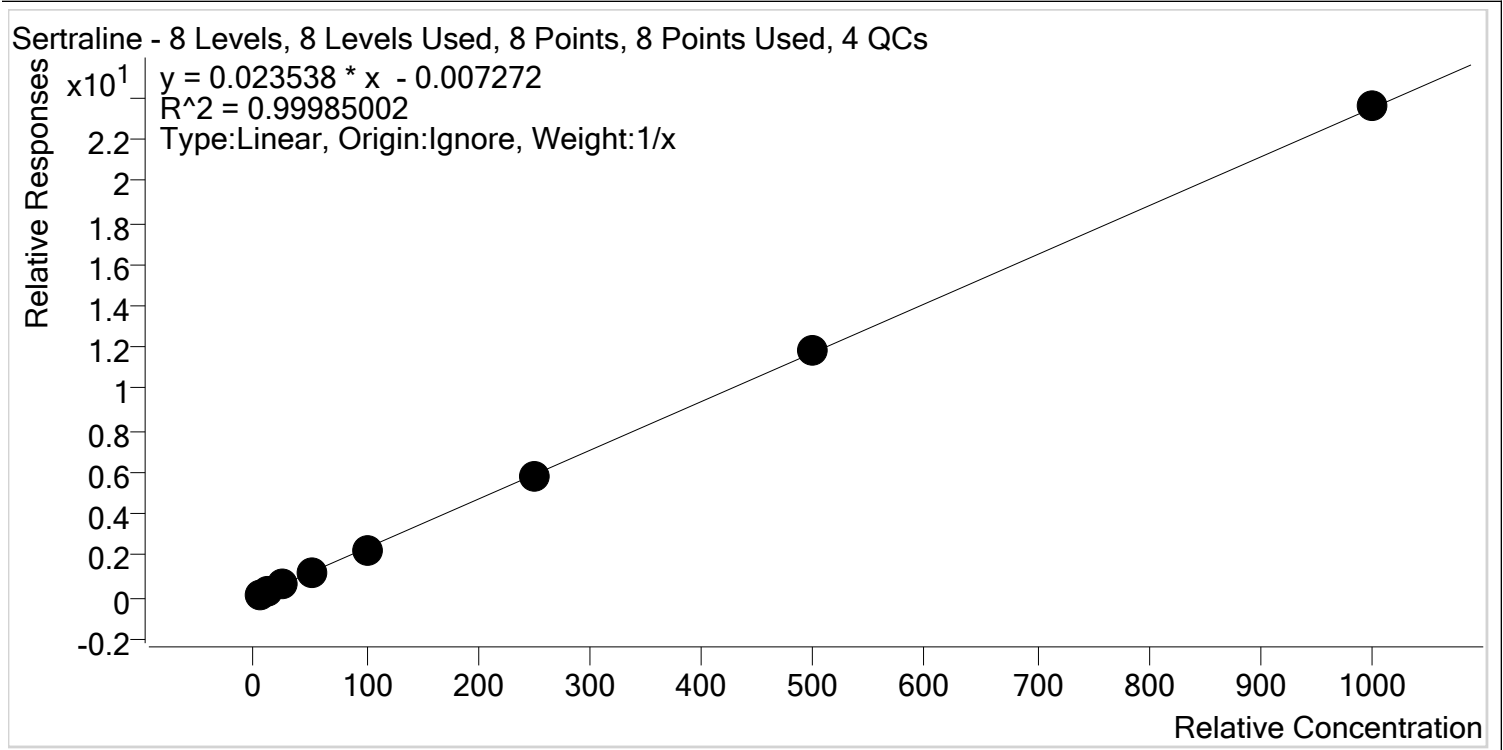


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	561.0	112.2
p1 Cal 8-1000ng	8	x	1000.0	1233.3	123.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

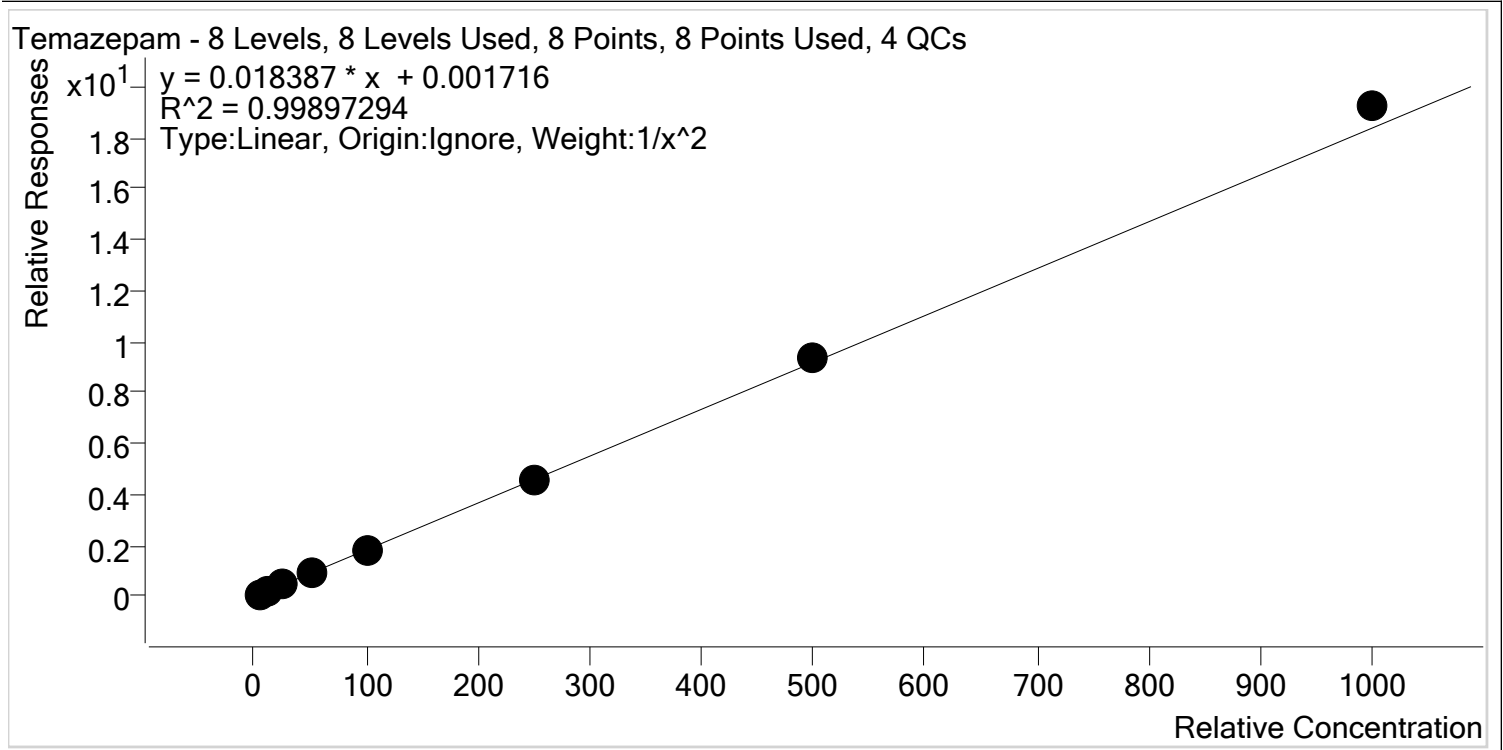


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1003.9	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

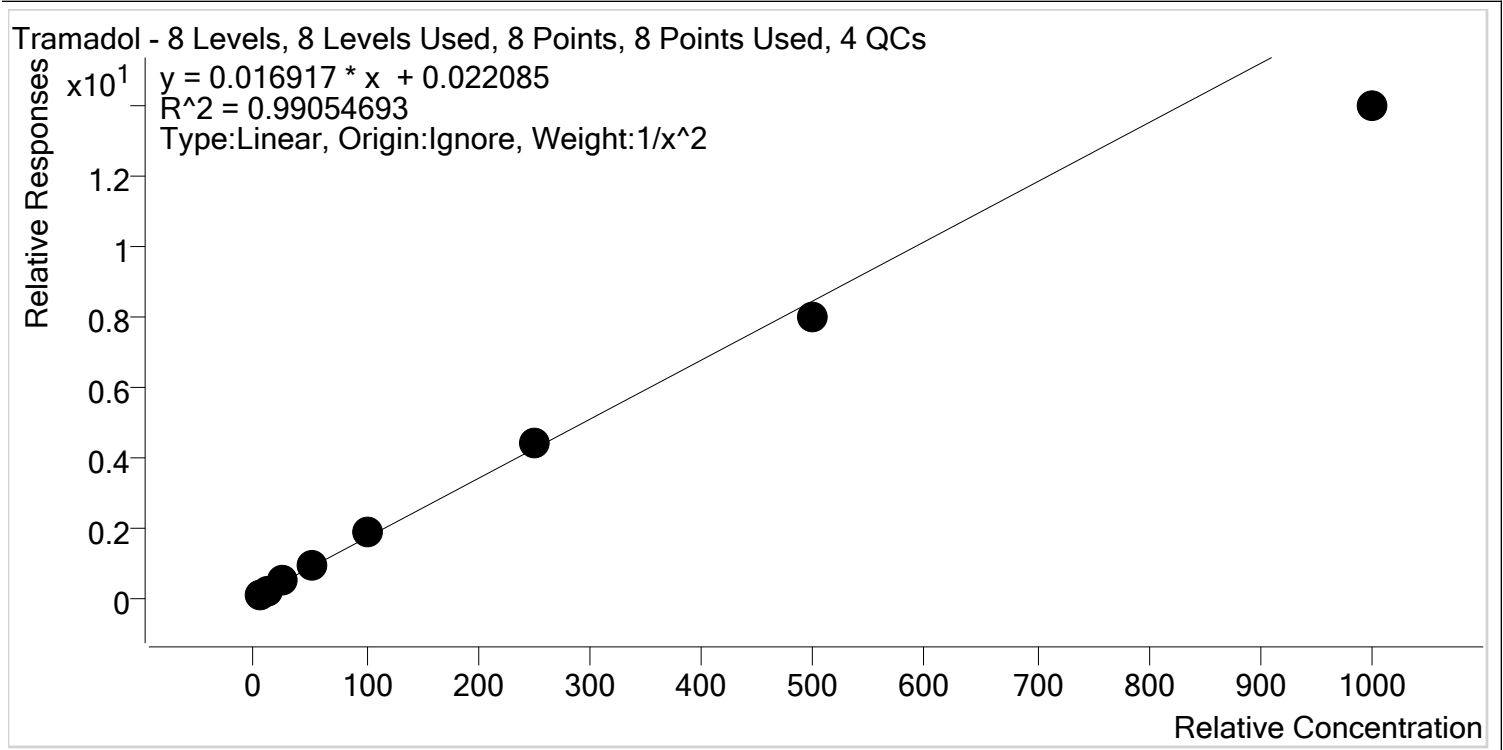


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1046.6	104.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



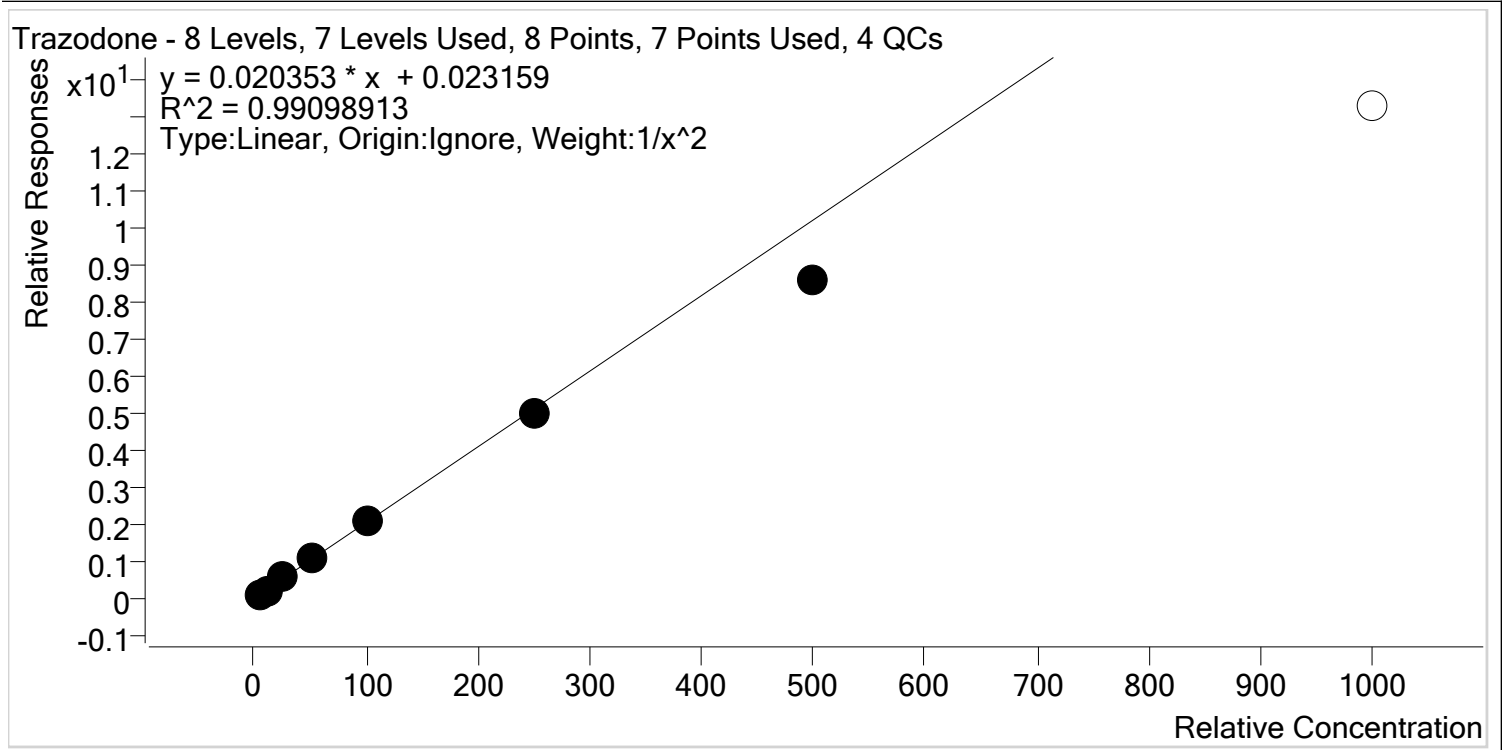
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	259.6	103.8
p1 Cal 7-500ng	7	✓	500.0	470.4	94.1
p1 Cal 8-1000ng	8	✓	1000.0	827.9	82.8

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

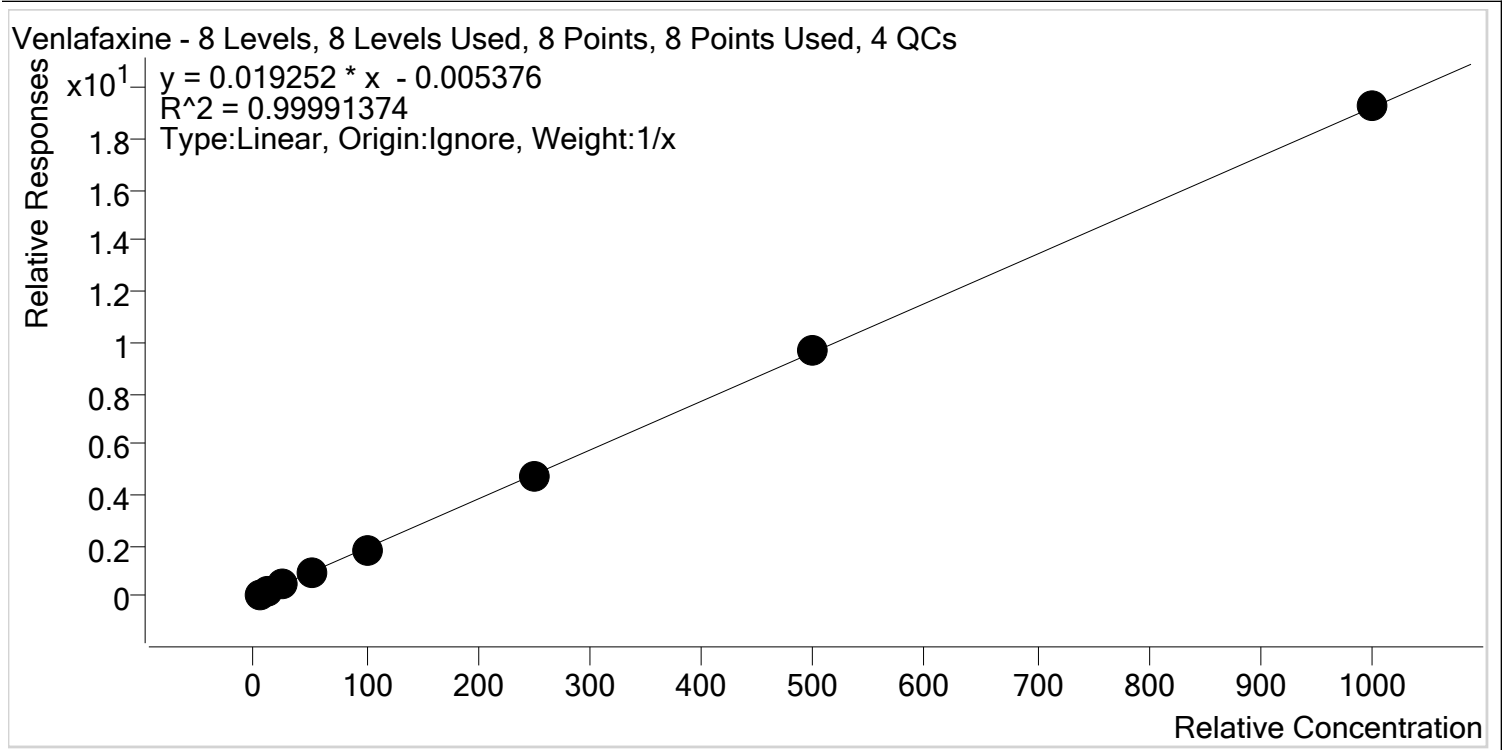


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	422.0	84.4
p1 Cal 8-1000ng	8	x	1000.0	650.3	65.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

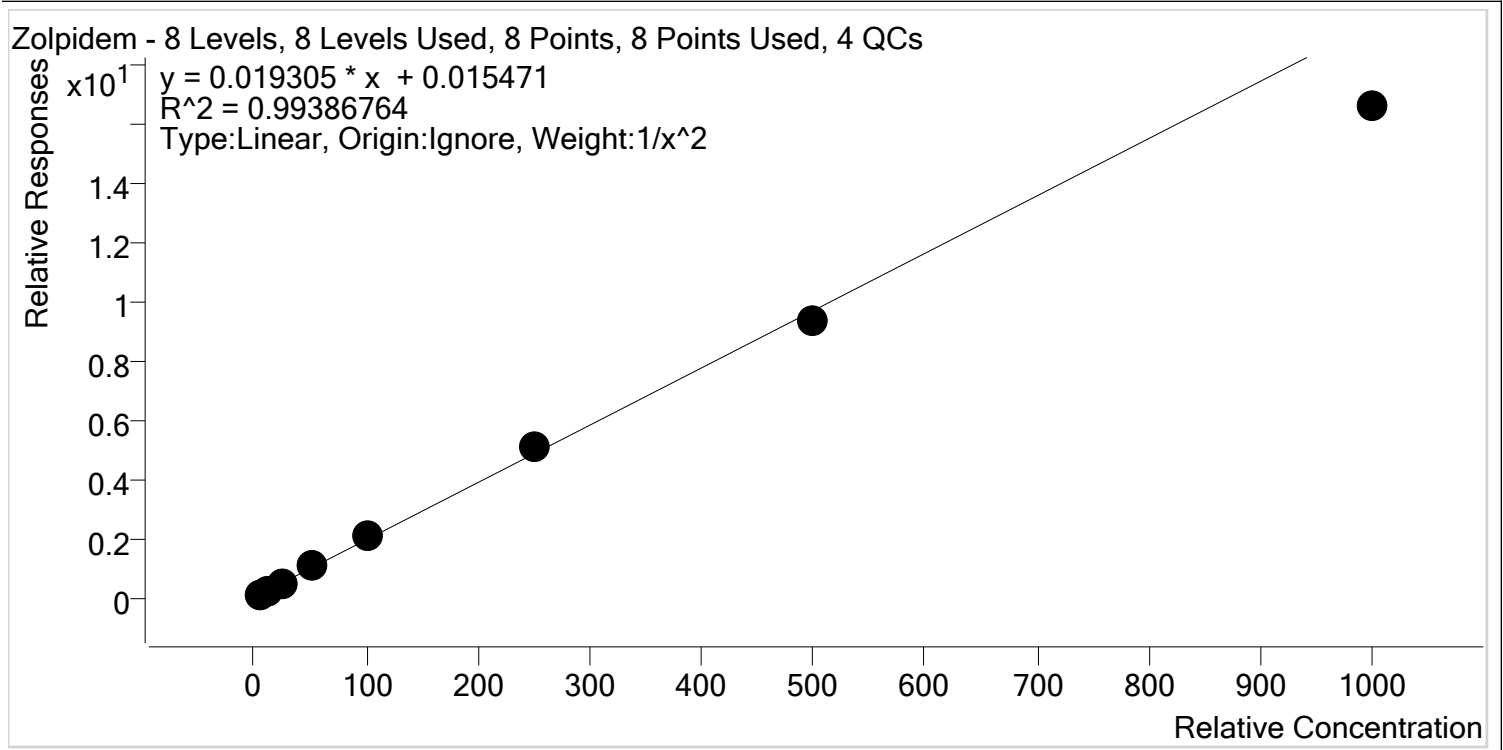


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ
 P1.batch.bin
Last Cal. Update 1/9/2020 9:32 AM
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	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	259.4	103.7
p1 Cal 7-500ng	7	✓	500.0	480.7	96.1
p1 Cal 8-1000ng	8	✓	1000.0	856.5	85.6

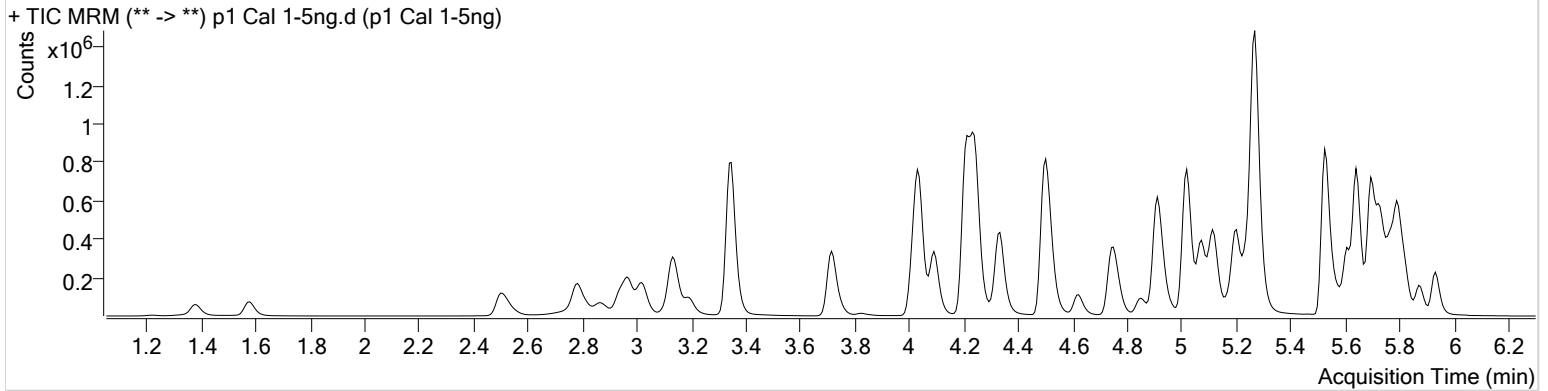
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-H12	Comment	
Injection Volume	2		
Acq. Date-Time	1/8/2020 12:44:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	1407	1406.42	68.8	2876.81	55183	0.5122 ng/ml
7-aminoclonazepam	4.237	26623	866.73	84.2	∞	209686	4.7666 ng/ml
a-hydroxyalprazolam	5.673	6779	62.63	70.1	191.26	66516	5.1028 ng/ml
alpha-PVP	4.344	106557	1193.88	50.7	∞	922481	5.1494 ng/ml
Alprazolam	5.756	58807	528.24	99.1	400.27	270334	4.7215 ng/ml
Amphetamine	3.021	231712	∞	53.5	29541.66	356921	4.9151 ng/ml
Benzoylcegonine	3.853	2770	465.04	7.0	18.14	24685	5.0592 ng/ml
Buprenorphine	5.882	5619	92.73	16.4	∞	384001	0.4878 ng/ml
Bupropion	4.766	132314	∞	58.0	3922.71	848680	4.1431 ng/ml
Carisoprodol	5.705	43416	1305.09	53.8	146.85	402526	5.0590 ng/ml
Citalopram	5.202	95188	3013.44	41.4	737.16	831365	5.2434 ng/ml
Clonazepam	5.586	26235	2119.69	32.1	482.30	92630	4.8457 ng/ml
Cocaine	4.244	99236	10500.23	43.4	5440.29	1483473	5.3619 ng/ml
Codeine	2.563	10878	1329.29	103.7	474.46	90611	4.9177 ng/ml
Cyclobenzaprine	5.610	79917	23567.90	10.0	343.75	582662	5.0623 ng/ml
Dextromethorphan	5.245	54613	903.61	80.2	217.38	494896	5.0508 ng/ml
Dextrorphan	4.093	25212	691.04	215.3	1714.03	654407	5.2220 ng/ml
Diazepam	5.941	42841	253.49	88.0	367.38	390153	4.9955 ng/ml
Dihydrocodeine	2.534	26378	534.30	67.0	1819.24	273360	4.8180 ng/ml
Diphenhydramine	5.272	213729	57980.87	33.2	382.37	3068453	5.2255 ng/ml
Doxylamine	4.514	234055	16654.59	97.9	6762.17	1902477	4.9608 ng/ml
EDDP	5.237	9879	86.18	42.1	148.35	108301	5.0249 ng/ml
Fentanyl	5.086	7724	104.35	67.4	∞	857044	0.5035 ng/ml
Fluoxetine	5.702	104292	12668.10	8.7	753.92	868310	4.8377 ng/ml
Hydrocodone	2.998	33048	379.67	40.5	279.39	399506	4.7392 ng/ml
Hydromorphone	1.587	23684	924.15	78.0	388.15	169664	5.0324 ng/ml
Ketamine	4.033	85488	1643.87	35.9	277.31	718719	4.9051 ng/ml
Lamotrigine	4.254	7994	1016.62	79.7	434.30	718719	4.8419 ng/ml
Lorazepam	5.728	46048	506.12	55.1	218.03	92630	4.7558 ng/ml
Meprobamate	4.875	22053	771.11	26.4	111.73	217335	4.9260 ng/ml
Methadone	5.648	138976	448.06	53.9	517.40	1274995	5.2669 ng/ml
Methamphetamine	3.195	143605	1917.46	41.8	13585.51	771032	4.9324 ng/ml
Metoprolol	4.306	18181	∞	97.4	881.07	1879257	4.8484 ng/ml

CS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	176323	13586.40	49.6	8492.53	922481	5.0038 ng/ml
Mitragynine	5.227	11881	∞	40.2	6655.80	1274995	4.9251 ng/ml
Morphine	1.226	2790	2136.69	23.5	∞	5540	5.0352 ng/ml
Norbuprenorphine	4.976	601	89.43	77.5	34.56	37138	0.5016 ng/ml
Nordiazepam	5.881	39156	1174.94	57.3	685.88	236637	4.9261 ng/ml
Norfentanyl	4.061	15760	2084.77	36.3	80.98	1346554	0.6498 ng/ml
Norhydrocodone	3.039	743	45.24	33.8	∞	67664	5.2868 ng/ml
Noroxycodone	2.889	32746	704.68	47.9	546.11	181112	4.9746 ng/ml
O-desmethyl-tramadol	3.348	175047	6630.20	6.2	939.65	1829514	5.0639 ng/ml
Oxazepam	5.738	55824	∞	70.4	120.58	672493	4.8869 ng/ml
Oxycodone	2.814	61995	1590.02	31.7	∞	544257	4.9493 ng/ml
Oxymorphone	1.383	23068	270.61	46.4	193.08	158838	4.9911 ng/ml
Phentermine	3.751	38909	812.40	2.7	76.82	875910	4.9210 ng/ml
Promethazine	5.527	167034	1858.35	31.2	647.92	1499737	4.9108 ng/ml
Quetiapine	5.558	101370	578.46	58.9	6688.42	239449	5.2313 ng/ml
Sertraline	5.770	60406	554.47	91.1	314.12	499851	5.4432 ng/ml
Temazepam	5.798	81743	848.11	30.0	107.08	854867	5.1070 ng/ml
Tramadol	4.226	194525	1201.29	3.5	171.71	1879257	4.8133 ng/ml
Trazodone	5.174	127529	8380.25	79.7	3263.32	1048161	4.8400 ng/ml
Venlafaxine	5.020	161288	2606.43	36.2	885.26	1665316	5.3099 ng/ml
Zolpidem	4.932	162433	29005.24	30.8	230.13	1482620	4.8736 ng/ml

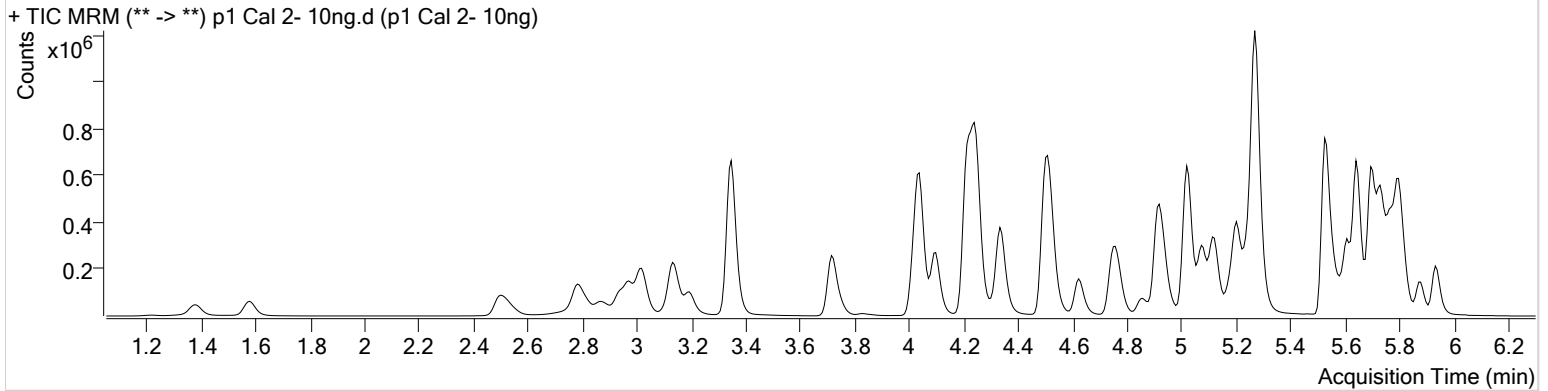
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 Cal 2- 10ng.d
Type Cal **Sample** p1 Cal 2- 10ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-G12 **Comment**
Injection Volume 2
Acq. Date-Time 1/7/2020 10:45:35 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	1973	274.82	73.7	3076.55	42814	0.9571 ng/ml
7-aminoclonazepam	4.237	46610	3141.11	79.9	1394.55	183295	10.4449 ng/ml
a-hydroxyalprazolam	5.673	9712	120.51	73.1	250.09	51991	9.6236 ng/ml
alpha-PVP	4.344	157473	1297.15	50.7	2492.84	699538	10.0168 ng/ml
Alprazolam	5.756	85574	755.24	103.9	∞	206545	9.7838 ng/ml
Amphetamine	3.021	279154	26.45	56.2	20472.86	274900	9.6642 ng/ml
Benzoylcegonine	3.853	3704	508.33	7.2	16.34	17879	9.8306 ng/ml
Buprenorphine	5.875	8065	83.17	16.1	4946.29	287153	1.0159 ng/ml
Bupropion	4.773	187054	4421.87	59.7	1458.90	627380	9.4469 ng/ml
Carisoprodol	5.705	64633	743.65	55.1	165.19	318355	9.8166 ng/ml
Citalopram	5.209	135166	5505.22	42.3	2464.79	620904	9.8368 ng/ml
Clonazepam	5.593	53952	1972.39	32.5	1273.93	98216	10.2032 ng/ml
Cocaine	4.243	147841	13446.43	44.5	7525.54	1130114	10.0916 ng/ml
Codeine	2.556	15994	664.98	99.3	2676.66	69009	10.1075 ng/ml
Cyclobenzaprine	5.610	120684	474.46	10.3	656.25	450219	9.8967 ng/ml
Dextromethorphan	5.245	81978	901.45	79.5	563.57	376531	10.0094 ng/ml
Dextrorphan	4.100	37457	1842.87	208.0	1373.66	492493	10.2381 ng/ml
Diazepam	5.941	65962	419.05	89.3	569.45	311806	9.9233 ng/ml
Dihydrocodeine	2.528	39181	2717.69	65.9	1571.36	209187	10.2575 ng/ml
Diphenhydramine	5.272	313100	750.25	33.0	6063.16	2315112	9.9964 ng/ml
Doxylamine	4.521	348317	4895.90	97.0	30202.91	1456255	10.0083 ng/ml
EDDP	5.244	13930	75.90	44.0	941.49	77864	9.8957 ng/ml
Fentanyl	5.092	11620	151.05	66.7	39482.81	651569	0.9950 ng/ml
Fluoxetine	5.702	165055	14564.63	8.8	568.91	694496	10.0264 ng/ml
Hydrocodone	2.998	47379	1260.70	40.0	∞	303902	10.3781 ng/ml
Hydromorphone	1.587	35385	995.44	80.1	981.21	134679	9.7386 ng/ml
Ketamine	4.039	122707	11472.88	37.6	406.46	550368	10.0313 ng/ml
Lamotrigine	4.261	11284	∞	80.0	6840.50	550368	10.1917 ng/ml
Lorazepam	5.728	71285	∞	54.2	255.71	98216	9.1781 ng/ml
Meprobamate	4.881	31303	520.88	27.1	616.98	164469	10.0353 ng/ml
Methadone	5.648	204407	654.73	54.0	4371.43	964934	10.0107 ng/ml
Methamphetamine	3.195	168020	1484.96	42.1	2720.02	579293	9.6772 ng/ml
Metoprolol	4.306	25981	1273.80	95.7	∞	1405114	10.1504 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	258851	3653.86	50.2	27061.12	699538	9.9446 ng/ml
Mitragynine	5.227	18588	∞	39.9	858.58	964934	9.8314 ng/ml
Morphine	1.226	4194	4493.91	22.8	507.74	4367	9.7802 ng/ml
Norbuprenorphine	4.976	765	∞	74.4	39.50	28061	1.0176 ng/ml
Nordiazepam	5.881	59156	∞	58.8	589.87	188149	9.9136 ng/ml
Norfentanyl	4.061	23292	4102.94	38.1	122.46	1041168	1.0388 ng/ml
Norhydrocodone	3.046	1037	∞	32.9	61.07	49779	9.3634 ng/ml
Noroxycodone	2.889	48680	1474.06	48.1	745.85	142522	9.9422 ng/ml
O-desmethyl-tramadol	3.354	253238	1904.59	6.1	1043.88	1389967	9.7841 ng/ml
Oxazepam	5.738	92817	3017.32	73.1	454.35	583993	10.0680 ng/ml
Oxycodone	2.814	92122	841.24	32.0	675.27	424044	9.9693 ng/ml
Oxymorphone	1.383	35509	308.07	48.2	301.74	124033	9.9471 ng/ml
Phentermine	3.751	56112	2693.51	2.7	120.35	669105	10.0893 ng/ml
Promethazine	5.527	258625	12501.35	31.3	1608.20	1191555	9.7586 ng/ml
Quetiapine	5.558	146627	∞	60.6	3635.89	187986	9.4178 ng/ml
Sertraline	5.770	96650	875.82	91.7	1210.93	430845	9.8394 ng/ml
Temazepam	5.805	139503	668.78	30.6	281.70	777294	9.6673 ng/ml
Tramadol	4.226	276631	8731.28	3.4	501.26	1405114	10.3321 ng/ml
Trazodone	5.181	183691	∞	79.4	∞	794607	10.2201 ng/ml
Venlafaxine	5.020	236883	3113.21	36.6	122.83	1263668	10.0162 ng/ml
Zolpidem	4.938	236185	618.66	31.4	339.59	1115544	10.1656 ng/ml

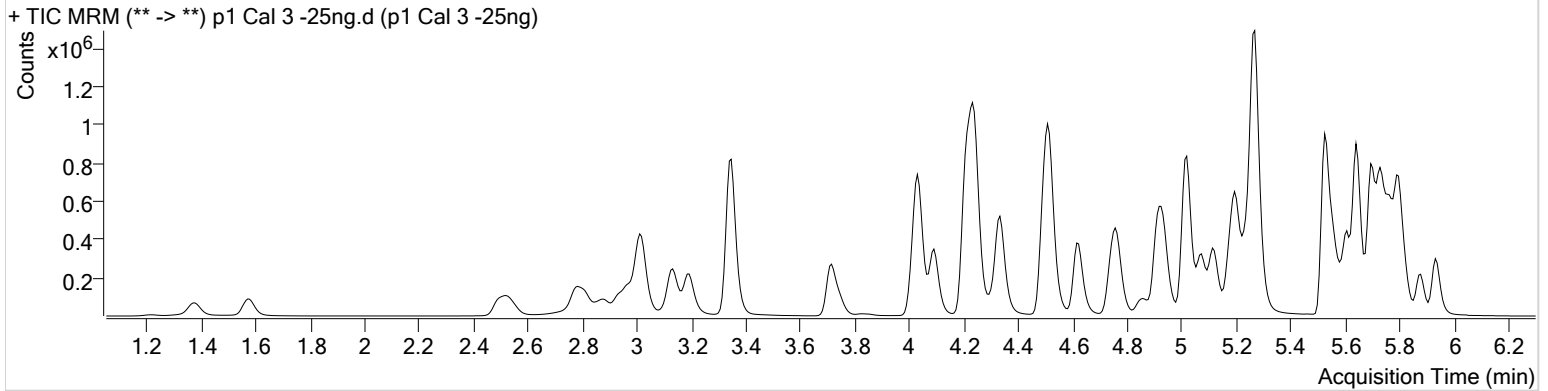
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-F12	Comment	
Injection Volume	2		
Acq. Date-Time	1/7/2020 10:56:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	5051	632.02	72.2	∞	44197	2.4319 ng/ml
7-aminoclonazepam	4.237	112438	5282.28	81.1	∞	180606	26.8695 ng/ml
a-hydroxyalprazolam	5.673	23894	342.26	70.6	645.93	51595	24.3384 ng/ml
alpha-PVP	4.344	391277	1464.50	50.3	2051.08	707411	24.5838 ng/ml
Alprazolam	5.756	207402	7142.17	103.2	481.71	206506	24.9629 ng/ml
Amphetamine	3.014	701581	37.69	52.4	22974.49	285495	28.3603 ng/ml
Benzoylcegonine	3.853	8853	917.94	7.9	113.84	17887	24.2939 ng/ml
Buprenorphine	5.882	20497	362.92	15.8	∞	297372	2.6190 ng/ml
Bupropion	4.766	492243	19435.39	58.1	7451.16	665420	25.9126 ng/ml
Carisoprodol	5.705	159383	1252.49	54.7	338.77	320040	24.5642 ng/ml
Citalopram	5.202	344624	1829.01	41.0	1919.58	627887	24.5775 ng/ml
Clonazepam	5.593	134171	803.40	31.2	527.71	99428	26.3119 ng/ml
Cocaine	4.237	362378	78161.57	43.7	11384.89	1114128	24.4776 ng/ml
Codeine	2.556	39031	747.76	102.5	9586.74	69200	25.5432 ng/ml
Cyclobenzaprine	5.610	286696	11781.50	10.0	534.21	436183	24.2716 ng/ml
Dextromethorphan	5.245	197960	2872.71	79.0	509.74	367916	24.8039 ng/ml
Dextrorphan	4.093	90146	6156.52	212.9	5986.75	493107	24.5065 ng/ml
Diazepam	5.941	165146	1679.86	86.2	822.28	313440	25.1965 ng/ml
Dihydrocodeine	2.528	97857	1566.27	66.7	1878.76	210226	26.9217 ng/ml
Diphenhydramine	5.272	778540	35420.18	33.0	507.17	2346443	24.2935 ng/ml
Doxylamine	4.514	863916	41208.37	96.4	98927.11	1449372	25.5154 ng/ml
EDDP	5.237	37166	1863.52	42.4	∞	82333	25.0316 ng/ml
Fentanyl	5.086	29188	295.31	67.0	8531.64	666075	2.4429 ng/ml
Fluoxetine	5.702	369710	37295.94	8.8	1814.29	635191	25.2274 ng/ml
Hydrocodone	2.998	118468	231.76	39.9	151.71	310062	27.8065 ng/ml
Hydromorphone	1.581	88498	∞	78.0	644.07	130976	25.5197 ng/ml
Ketamine	4.033	307403	21090.74	38.1	160.15	561031	26.0475 ng/ml
Lamotrigine	4.254	28145	1679.08	78.5	2242.67	561031	27.1097 ng/ml
Lorazepam	5.728	167493	∞	55.8	758.04	99428	27.7189 ng/ml
Meprobamate	4.875	79197	17878.99	27.2	2043.45	168819	26.0663 ng/ml
Methadone	5.641	509016	23245.25	53.5	1275.08	971994	24.3963 ng/ml
Methamphetamine	3.195	402163	10530.42	42.0	11532.05	596832	27.2217 ng/ml
Metoprolol	4.306	66894	18729.33	96.5	2476.26	1469564	26.4066 ng/ml

2



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	643623	18313.00	49.9	9925.80	707411	24.8533 ng/ml
Mitragynine	5.220	47892	3127.63	38.2	2328.23	971994	24.6352 ng/ml
Morphine	1.220	10793	433.38	22.5	691.86	4475	24.8579 ng/ml
Norbuprenorphine	4.970	1656	109.55	84.6	106.60	29169	2.3910 ng/ml
Nordiazepam	5.881	151587	1214.49	56.2	∞	187325	26.4826 ng/ml
Norfentanyl	4.061	57633	1800.81	37.5	∞	1054198	2.2168 ng/ml
Norhydrocodone	3.039	2618	147.60	32.8	72.02	50425	22.2170 ng/ml
Noroxycodone	2.883	117167	1190.44	49.2	1755.74	139598	25.3231 ng/ml
O-desmethyl-tramadol	3.348	643013	65653.13	6.1	2017.49	1414455	24.6472 ng/ml
Oxazepam	5.738	223524	4851.82	70.8	1280.43	568729	26.0423 ng/ml
Oxycodone	2.807	227445	3790.09	32.1	5486.40	420653	25.6818 ng/ml
Oxymorphone	1.376	88152	351.47	48.3	268.01	121633	25.3516 ng/ml
Phentermine	3.751	141201	2266.95	2.5	562.86	690117	25.9118 ng/ml
Promethazine	5.527	620635	1358.51	30.8	1382.15	1136234	24.8598 ng/ml
Quetiapine	5.558	361208	15625.25	60.0	1666.21	183805	23.3305 ng/ml
Sertraline	5.770	200954	683.75	89.3	356377.24	355644	24.3145 ng/ml
Temazepam	5.798	360394	1832.90	29.9	489.98	797232	24.4918 ng/ml
Tramadol	4.219	686836	38641.84	3.4	662.18	1469564	26.3217 ng/ml
Trazodone	5.181	462956	41820.70	78.3	∞	821123	26.5632 ng/ml
Venlafaxine	5.020	592771	15097.49	36.6	716.32	1289465	24.1574 ng/ml
Zolpidem	4.938	587878	72354.34	30.9	844.95	1133236	26.0699 ng/ml

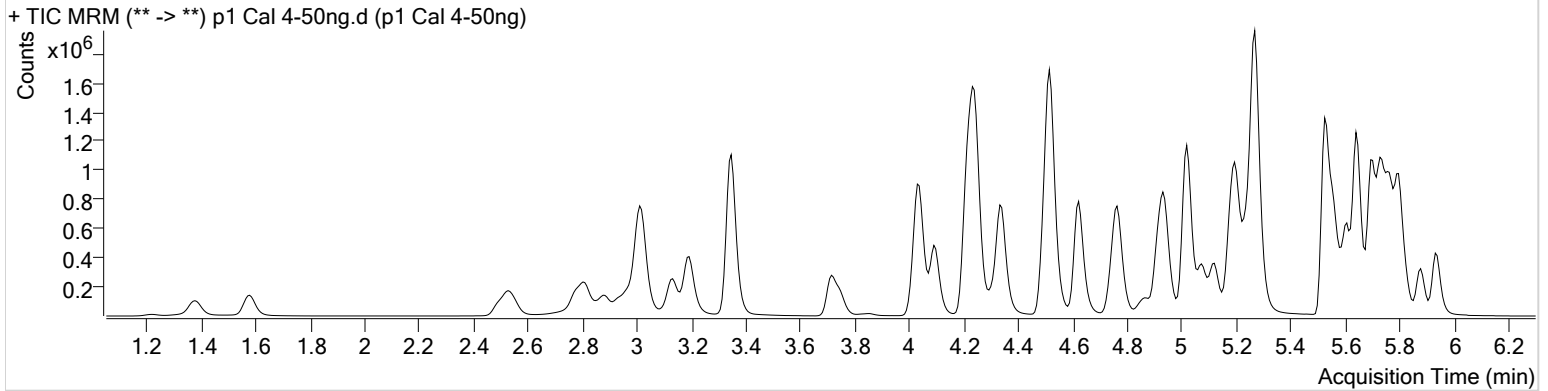
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 Cal 4-50ng.d
Type Cal **Sample** p1 Cal 4-50ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-E12 **Comment**
Injection Volume 2
Acq. Date-Time 1/7/2020 11:06:44 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	10516	1005.13	71.8	3725.27	44527	5.0677 ng/ml
7-aminoclonazepam	4.237	218731	42698.54	82.2	16477.50	176001	54.5305 ng/ml
a-hydroxyalprazolam	5.673	49828	223.81	67.5	∞	50911	51.7995 ng/ml
alpha-PVP	4.344	792099	52108.29	50.2	761.03	699112	50.3377 ng/ml
Alprazolam	5.756	404379	2793.42	102.1	555.71	198205	51.6115 ng/ml
Amphetamine	3.014	1310576	19381.46	52.2	29479.05	288747	55.3476 ng/ml
Benzoylcegonine	3.853	19431	970.49	7.9	215.49	18817	51.3181 ng/ml
Buprenorphine	5.882	41052	443.49	15.9	4178.58	297572	5.3288 ng/ml
Bupropion	4.766	990766	58418.06	58.4	28393.44	671392	53.3532 ng/ml
Carisoprodol	5.705	302578	7380.43	55.0	262.69	297917	50.4430 ng/ml
Citalopram	5.202	675604	2261.31	41.5	3879.41	604524	49.8916 ng/ml
Clonazepam	5.593	258008	5552.65	32.7	1221.29	94196	54.2891 ng/ml
Cocaine	4.243	722107	56927.26	43.6	19744.78	1098445	49.0515 ng/ml
Codeine	2.556	80725	852.79	103.1	925.25	69730	53.1227 ng/ml
Cyclobenzaprine	5.610	561943	35438.98	10.5	442.35	418948	49.5345 ng/ml
Dextromethorphan	5.245	393515	2278.62	80.6	653.68	361723	50.1972 ng/ml
Dextrorphan	4.093	183916	1809.23	213.2	2388.36	500649	49.1716 ng/ml
Diazepam	5.941	324811	2300.04	87.7	1027.14	301527	51.8519 ng/ml
Dihydrocodeine	2.528	197119	21962.26	68.7	2457.32	214152	54.1763 ng/ml
Diphenhydramine	5.272	1561813	9375.94	33.0	5368.01	2268824	50.2311 ng/ml
Doxylamine	4.514	1779648	30888.17	97.1	60243.29	1493872	51.3798 ng/ml
EDDP	5.237	82568	1012.91	42.9	2186.24	90939	50.3904 ng/ml
Fentanyl	5.086	60468	1344.48	65.4	14390.38	676258	4.9833 ng/ml
Fluoxetine	5.702	728709	2234.77	8.8	5709.24	622421	51.2133 ng/ml
Hydrocodone	2.998	233003	∞	41.0	305.02	312761	55.7710 ng/ml
Hydromorphone	1.581	180574	2070.71	77.9	1878.99	134055	51.1754 ng/ml
Ketamine	4.033	622771	24476.55	38.3	495.75	560286	53.8246 ng/ml
Lamotrigine	4.261	54596	6025.64	79.8	20261.59	560286	54.0727 ng/ml
Lorazepam	5.728	286114	∞	57.1	777.86	94196	53.8804 ng/ml
Meprobamate	4.875	156635	16976.78	27.0	1159.42	167153	52.9739 ng/ml
Methadone	5.641	1010284	7642.66	52.3	1369.81	943889	49.6138 ng/ml
Methamphetamine	3.195	779546	9487.62	42.4	85326.13	600399	55.7727 ng/ml
Metoprolol	4.306	134450	15156.36	96.3	4684.57	1470772	54.0092 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	1311439	32957.78	49.6	73446.72	699112	51.5343 ng/ml
Mitragynine	5.227	100287	8759.79	38.8	203011.10	943889	52.7433 ng/ml
Morphine	1.220	22129	1147.40	22.1	2025.36	4476	51.1586 ng/ml
Norbuprenorphine	4.976	3353	134.56	78.3	125.68	29984	4.9547 ng/ml
Nordiazepam	5.881	285355	1719.43	57.7	1637.54	178586	52.8909 ng/ml
Norfentanyl	4.061	121079	2499.82	37.1	1208.48	1046802	4.4414 ng/ml
Norhydrocodone	3.039	5149	102.83	33.8	∞	46351	46.6823 ng/ml
Noroxycodone	2.883	235477	2348.67	48.6	2647.77	136893	52.5415 ng/ml
O-desmethyl-tramadol	3.348	1317702	140768.40	6.1	4758.56	1422451	50.3871 ng/ml
Oxazepam	5.738	419016	4875.88	71.1	6724.84	515972	54.6397 ng/ml
Oxycodone	2.807	467828	4275.23	31.8	2410.84	427165	52.6182 ng/ml
Oxymorphone	1.376	181826	343.18	46.2	1387.21	125451	50.8114 ng/ml
Phentermine	3.751	281134	9291.29	2.4	372.00	693345	52.2345 ng/ml
Promethazine	5.527	1308256	4201.72	30.8	3880.10	1181337	50.6062 ng/ml
Quetiapine	5.558	718593	1874.68	60.4	1092.27	176507	48.0526 ng/ml
Sertraline	5.770	403073	2355.34	90.0	26082.68	347142	49.6385 ng/ml
Temazepam	5.798	704473	1914.13	30.4	1292.57	761822	50.1976 ng/ml
Tramadol	4.226	1366997	5215.08	3.4	496.16	1470772	53.6352 ng/ml
Trazodone	5.180	928436	∞	79.2	∞	823794	54.2352 ng/ml
Venlafaxine	5.020	1208285	1850.91	36.4	3834.90	1266706	49.8261 ng/ml
Zolpidem	4.938	1204788	36754.30	31.1	728.20	1154277	53.2643 ng/ml

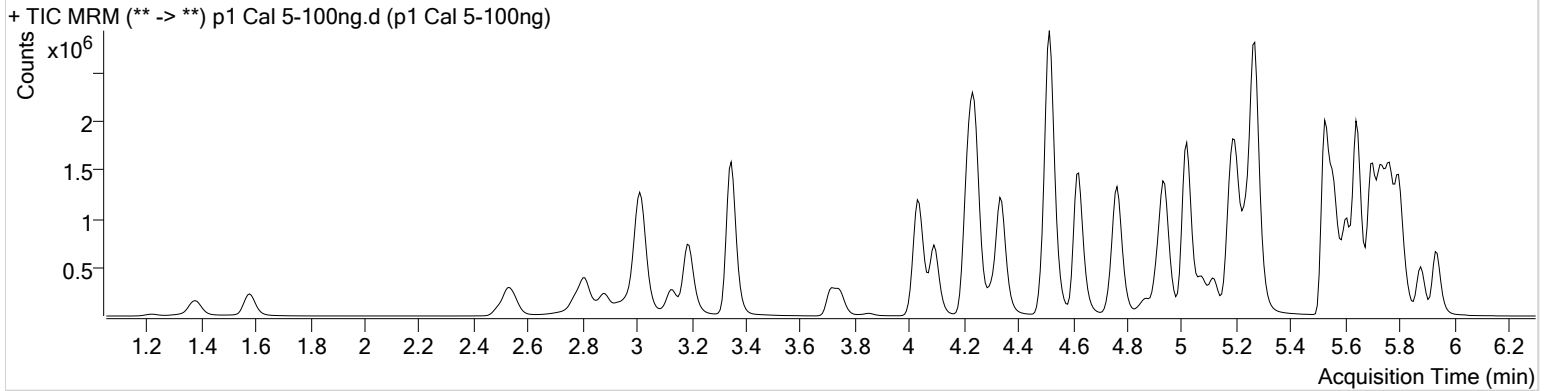
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 Cal 5-100ng.d
Type Cal **Sample** p1 Cal 5-100ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-D12 **Comment**
Injection Volume 2
Acq. Date-Time 1/7/2020 11:17:21 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	21082	860.07	69.9	732.23	44578	10.1868 ng/ml
7-aminoclonazepam	4.237	373249	6895.58	81.3	7825.23	155467	106.1776 ng/ml
a-hydroxyalprazolam	5.673	86398	194.20	70.4	∞	46360	98.9276 ng/ml
alpha-PVP	4.344	1527177	181143.74	50.5	2673.87	695064	97.5987 ng/ml
Alprazolam	5.756	731793	499.77	102.4	484.36	181734	102.7161 ng/ml
Amphetamine	3.014	2282469	38019.69	52.7	42936.14	285942	99.9949 ng/ml
Benzoylcegonine	3.853	36048	4439.15	7.8	354.24	18303	98.4046 ng/ml
Buprenorphine	5.882	79978	1645.69	15.8	∞	304099	10.2373 ng/ml
Bupropion	4.766	1948705	13279.68	58.3	53910.75	671079	106.6040 ng/ml
Carisoprodol	5.705	512585	2181.16	54.5	512.53	254958	100.1781 ng/ml
Citalopram	5.202	1313366	41675.45	42.2	1353.73	594452	98.4884 ng/ml
Clonazepam	5.593	462355	1466.24	32.4	1005.85	87784	105.1834 ng/ml
Cocaine	4.243	1331824	75383.35	43.9	24326.52	1023022	96.7339 ng/ml
Codeine	2.556	148658	852.57	101.5	18495.64	67232	102.0610 ng/ml
Cyclobenzaprine	5.610	1106603	∞	10.3	7584.99	417120	97.9763 ng/ml
Dextromethorphan	5.245	771355	1124.62	80.1	5895.01	360213	98.8515 ng/ml
Dextrorphan	4.093	365455	3511.22	211.2	2841.79	500419	97.6804 ng/ml
Diazepam	5.941	601585	2381.87	87.7	4176.06	292676	99.2329 ng/ml
Dihydrocodeine	2.528	372625	5050.89	67.4	2378.75	212458	104.1005 ng/ml
Diphenhydramine	5.272	3034297	280232.97	32.6	1379.32	2269621	97.4051 ng/ml
Doxylamine	4.514	3428726	357620.77	96.4	328419.17	1454886	102.0191 ng/ml
EDDP	5.237	168776	3278.43	43.9	∞	95083	98.5530 ng/ml
Fentanyl	5.086	121736	479.05	67.8	4970.53	677415	10.0140 ng/ml
Fluoxetine	5.702	1415023	1891.96	8.7	553.05	622856	99.8139 ng/ml
Hydrocodone	2.991	417465	∞	42.2	1005.11	310446	101.9849 ng/ml
Hydromorphone	1.581	334708	1189.38	77.8	1756.50	126915	100.4833 ng/ml
Ketamine	4.033	1188921	2297.71	37.9	4876.58	558488	103.9623 ng/ml
Lamotrigine	4.261	99664	3960.17	80.0	7948.29	558488	100.2745 ng/ml
Lorazepam	5.728	450878	∞	57.8	∞	87784	94.4668 ng/ml
Meprobamate	4.875	282084	1188.96	26.6	769.01	158782	101.2443 ng/ml
Methadone	5.641	1988282	1528.77	53.3	76066.15	949571	96.8297 ng/ml
Methamphetamine	3.188	1453830	28637.43	42.7	∞	607997	105.7293 ng/ml
Metoprolol	4.306	255804	5111.24	97.4	∞	1408668	108.2448 ng/ml

2



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	2515115	17251.93	49.6	112498.58	695064	99.6654 ng/ml
Mitragynine	5.220	174410	12086.60	40.0	114230.41	949571	90.9387 ng/ml
Morphine	1.220	40747	∞	23.1	240.45	4030	104.8384 ng/ml
Norbuprenorphine	4.970	6258	683.87	82.8	288.74	30420	9.3271 ng/ml
Nordiazepam	5.881	519594	14340.79	56.8	1865.89	166163	104.0957 ng/ml
Norfentanyl	4.061	230401	26418.57	37.3	1433.60	983356	8.7681 ng/ml
Norhydrocodone	3.039	9723	141.00	37.6	66.26	40922	99.0013 ng/ml
Noroxycodone	2.883	432357	1623.90	48.5	1742.57	130475	101.7844 ng/ml
O-desmethyl-tramadol	3.348	2522649	29343.13	6.1	7260.54	1382421	99.4077 ng/ml
Oxazepam	5.738	697791	∞	70.4	3013.53	452209	104.5222 ng/ml
Oxycodone	2.807	895243	8568.07	31.8	2781.46	420178	102.9175 ng/ml
Oxymorphone	1.376	328008	∞	48.3	∞	114639	100.4156 ng/ml
Phentermine	3.751	546042	35375.78	2.4	∞	685225	103.5254 ng/ml
Promethazine	5.527	2472350	76012.85	30.6	4616.46	1133519	99.8631 ng/ml
Quetiapine	5.558	1392731	2170.74	59.9	42945.80	169786	96.5536 ng/ml
Sertraline	5.770	783618	859.50	89.8	107901.71	347920	95.9964 ng/ml
Temazepam	5.798	1342377	14412.37	30.4	1819.74	748107	97.4931 ng/ml
Tramadol	4.219	2585083	3961.02	3.4	∞	1408668	107.1715 ng/ml
Trazodone	5.181	1803898	∞	79.0	154055.22	843049	103.9915 ng/ml
Venlafaxine	5.020	2356095	1902.67	36.0	9327.54	1262331	97.2280 ng/ml
Zolpidem	4.938	2325248	69035.04	30.8	95833.12	1143595	104.5205 ng/ml

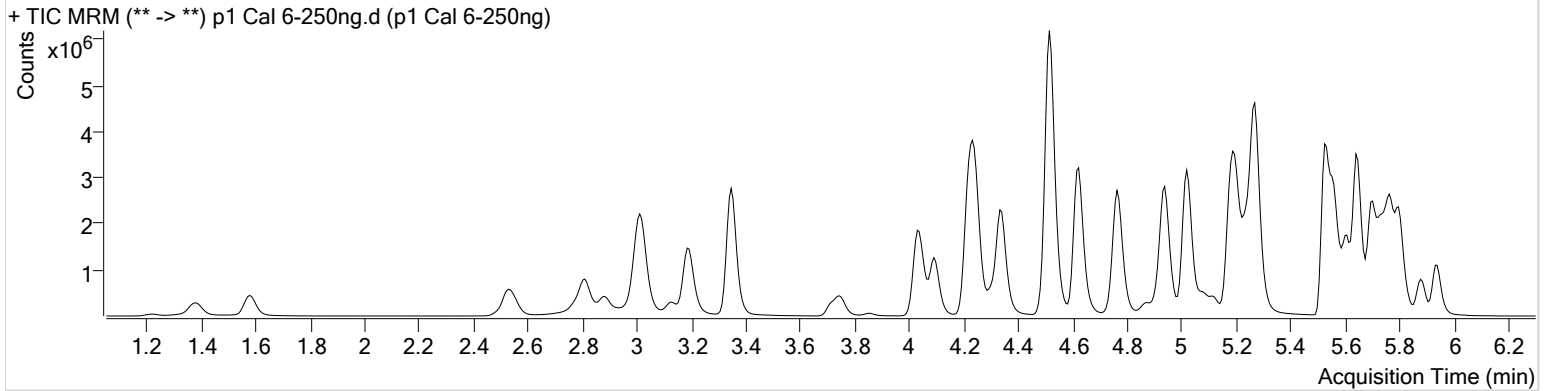
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-C12	Comment	
Injection Volume	2		
Acq. Date-Time	1/7/2020 11:27:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	48440	12316.06	71.4	2046.76	41712	25.0718 ng/ml
7-aminoclonazepam	4.237	642246	561.71	81.6	6252.00	119198	239.4034 ng/ml
a-hydroxyalprazolam	5.673	169967	∞	67.3	391.88	35009	258.2368 ng/ml
alpha-PVP	4.344	3380491	172946.25	49.8	78758.54	602091	249.3699 ng/ml
Alprazolam	5.756	1416318	2252.42	102.3	∞	141167	257.2314 ng/ml
Amphetamine	3.014	4154037	58197.85	52.5	78236.70	261699	202.3089 ng/ml
Benzoylcegonine	3.853	87525	10570.08	7.7	352.42	17237	254.6287 ng/ml
Buprenorphine	5.882	180247	∞	16.1	5866.39	281218	25.0735 ng/ml
Bupropion	4.766	4314282	109893.10	57.6	69935.41	598568	267.0791 ng/ml
Carisoprodol	5.705	823730	∞	53.6	2756.50	164759	249.6174 ng/ml
Citalopram	5.202	2661473	6032.71	41.3	2423.04	474606	249.7532 ng/ml
Clonazepam	5.593	825814	3659.69	32.6	2575.70	65040	254.7733 ng/ml
Cocaine	4.237	2752068	463235.71	43.3	92914.32	828828	246.0842 ng/ml
Codeine	2.556	307581	9454.96	101.9	894.13	56758	251.0964 ng/ml
Cyclobenzaprine	5.610	2277067	891.18	10.2	3890.87	332795	252.6957 ng/ml
Dextromethorphan	5.245	1565934	4453.04	79.1	1088.24	286879	252.0492 ng/ml
Dextrorphan	4.093	792031	1651.12	211.3	61589.85	428569	247.0777 ng/ml
Diazepam	5.941	1197809	∞	85.6	2263.06	231587	250.1895 ng/ml
Dihydrocodeine	2.528	808651	14043.73	67.0	52779.44	199878	241.3888 ng/ml
Diphenhydramine	5.272	6401378	2670.38	32.6	1482.16	1862797	250.1218 ng/ml
Doxylamine	4.514	7772061	100200.24	96.7	∞	1330600	253.4212 ng/ml
EDDP	5.237	522234	1413.79	43.1	971.87	116884	248.1309 ng/ml
Fentanyl	5.086	288686	1647.79	66.7	799.08	635340	25.3178 ng/ml
Fluoxetine	5.702	2882520	1198.10	9.0	911.60	505162	251.4026 ng/ml
Hydrocodone	2.991	886440	368.89	41.3	814.22	273993	247.6634 ng/ml
Hydromorphone	1.581	744449	∞	78.6	1501.45	113465	250.4351 ng/ml
Ketamine	4.033	2600699	7801.50	37.8	1595.03	499473	255.6654 ng/ml
Lamotrigine	4.261	186072	105457.31	80.4	9336.82	499473	210.9660 ng/ml
Lorazepam	5.728	599450	∞	58.2	329.26	65040	173.3741 ng/ml
Meprobamate	4.875	526542	15352.74	26.3	1040.14	134513	224.1745 ng/ml
Methadone	5.641	4215381	2027.18	52.0	2244.38	768289	253.3422 ng/ml
Methamphetamine	3.188	3034778	11984.30	42.4	62704.81	566978	241.1063 ng/ml
Metoprolol	4.306	538471	28227.03	95.8	3252.35	1228337	262.6806 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	5575507	220243.90	49.1	48641.69	602091	255.4839 ng/ml
Mitragynine	5.227	421143	6447.55	39.1	3187.60	768289	270.7481 ng/ml
Morphine	1.220	96423	1866.82	22.9	1617.25	3802	263.2346 ng/ml
Norbuprenorphine	4.976	14908	9006.85	77.7	778.06	26612	25.8366 ng/ml
Nordiazepam	5.881	922893	983.93	57.3	2752.95	121364	254.0214 ng/ml
Norfentanyl	4.061	501971	22829.92	37.3	772.10	782997	23.6040 ng/ml
Norhydrocodone	3.039	24490	1908.74	38.2	385.77	34014	298.4933 ng/ml
Noroxycodone	2.883	855870	2122.50	49.1	5890.44	106213	248.3893 ng/ml
O-desmethyl-tramadol	3.348	5601549	244655.95	6.0	14490.05	1206541	253.1537 ng/ml
Oxazepam	5.738	1035070	21582.27	70.8	26102.13	273351	257.6214 ng/ml
Oxycodone	2.807	2026298	6887.51	31.6	∞	388027	253.0928 ng/ml
Oxymorphone	1.376	699304	∞	48.3	∞	98697	248.8265 ng/ml
Phentermine	3.751	1054994	17482.24	2.3	1576.16	618530	222.6131 ng/ml
Promethazine	5.527	5661987	7821.68	30.3	82601.52	1009124	257.2029 ng/ml
Quetiapine	5.558	2986041	118942.29	58.4	7022.45	136241	257.5467 ng/ml
Sertraline	5.770	1558457	2401.75	90.0	98861.07	267071	248.2216 ng/ml
Temazepam	5.798	2683809	21634.84	30.0	7296.04	591941	246.4834 ng/ml
Tramadol	4.219	5420757	7477.84	3.4	4118.25	1228337	259.5585 ng/ml
Trazodone	5.180	3975103	2146.95	78.1	∞	794369	244.7238 ng/ml
Venlafaxine	5.020	5109928	40468.43	36.1	15149.92	1069416	248.4731 ng/ml
Zolpidem	4.938	5263028	∞	30.3	107109.07	1047858	259.3673 ng/ml

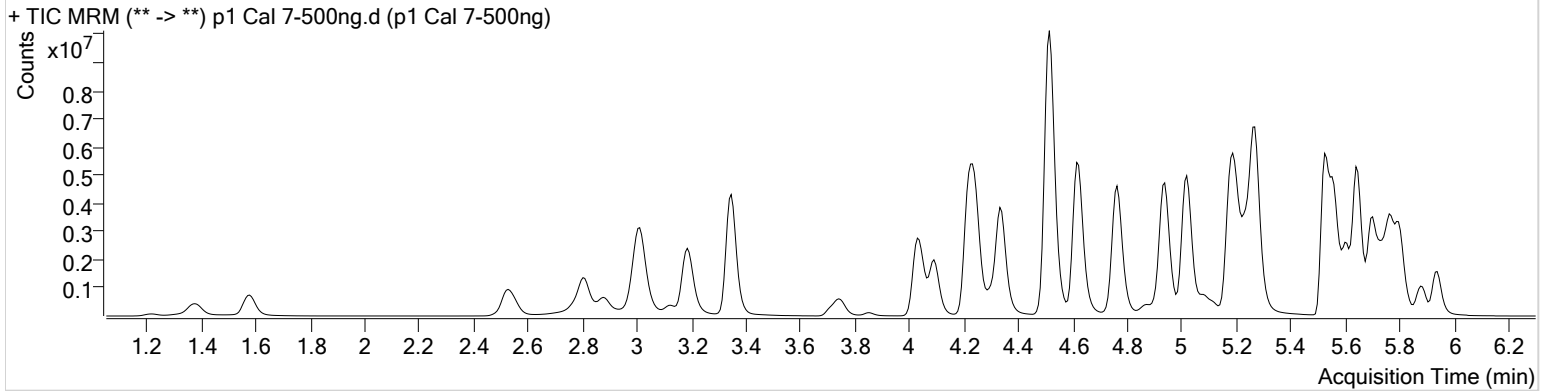
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument Falco **Data File** p1 Cal 7-500ng.d
Type Cal **Sample** p1 Cal 7-500ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Celena Shrum
Sample Position P1-B12 **Comment**
Injection Volume 2
Acq. Date-Time 1/7/2020 11:38:33 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	96206	38707.93	71.3	3810.68	41296	50.3360 ng/ml
7-aminoclonazepam	4.237	771008	12663.77	82.0	12135.24	83950	408.7027 ng/ml
a-hydroxyalprazolam	5.673	242819	∞	69.8	960.20	26387	489.7602 ng/ml
alpha-PVP	4.337	6116207	8302.58	49.9	4158.98	541195	501.9243 ng/ml
Alprazolam	5.750	2143020	1564.02	103.7	456.23	109740	501.5034 ng/ml
Amphetamine	3.014	6121573	∞	51.5	114507.82	253849	309.1696 ng/ml
Benzoylcegonine	3.853	181454	2735.77	7.7	3219.96	18079	503.8619 ng/ml
Buprenorphine	5.882	340216	9849.12	15.7	203574.90	278278	47.9048 ng/ml
Bupropion	4.766	7780766	384567.67	57.8	8527.09	561180	515.3079 ng/ml
Carisoprodol	5.712	1032867	∞	54.8	6211.11	106500	484.5255 ng/ml
Citalopram	5.202	4163891	52643.43	41.1	110390.46	370333	500.6116 ng/ml
Clonazepam	5.586	1089673	1400.20	32.9	760.02	47162	464.3200 ng/ml
Cocaine	4.237	4546550	295606.83	43.1	45620.61	675430	498.4505 ng/ml
Codeine	2.550	518096	8568.39	100.2	1543.18	49207	488.4769 ng/ml
Cyclobenzaprine	5.610	3695805	169324.79	10.2	14218.02	271411	502.9019 ng/ml
Dextromethorphan	5.245	2467716	3794.97	79.4	664.57	229271	497.0437 ng/ml
Dextrorphan	4.093	1409550	106242.41	210.5	88618.29	379203	496.8861 ng/ml
Diazepam	5.941	1901109	899.45	86.2	∞	185277	496.6601 ng/ml
Dihydrocodeine	2.521	1393676	∞	67.8	3343.34	197454	421.8476 ng/ml
Diphenhydramine	5.272	10604165	4000.65	33.0	3048.83	1538159	501.6266 ng/ml
Doxylamine	4.514	13643804	3379414.01	96.4	725230.91	1280906	462.4559 ng/ml
EDDP	5.237	1242868	991.98	42.5	10082.87	138307	499.1020 ng/ml
Fentanyl	5.086	568117	∞	67.6	27678.62	636975	49.6948 ng/ml
Fluoxetine	5.702	4660007	2595.76	8.7	1082.54	414962	495.2226 ng/ml
Hydrocodone	2.991	1586938	∞	41.1	182.31	266280	457.5964 ng/ml
Hydromorphone	1.581	1347188	∞	78.3	1099.42	103938	495.0337 ng/ml
Ketamine	4.033	4585079	222559.49	37.5	4322.45	472747	477.0495 ng/ml
Lamotrigine	4.261	265521	12236.59	79.2	50784.53	472747	318.8242 ng/ml
Lorazepam	5.728	644759	∞	56.1	1216.89	47162	259.5179 ng/ml
Meprobamate	4.875	777176	19386.13	27.0	6316.98	118297	376.8565 ng/ml
Methadone	5.641	7017833	136223.95	52.8	101585.84	654045	495.2112 ng/ml
Methamphetamine	3.188	5234627	118822.52	42.0	107337.09	578758	409.8854 ng/ml
Metoprolol	4.299	880690	14374.17	96.8	23073.82	1134107	466.0686 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	9889457	659855.68	49.2	394218.29	541195	504.4188 ng/ml
Mitragynine	5.220	679705	11799.09	39.5	31437.18	654045	513.0087 ng/ml
Morphine	1.220	179835	3310.98	22.7	511.41	3880	481.2978 ng/ml
Norbuprenorphine	4.970	28505	1280.27	79.3	2417.33	25941	50.9211 ng/ml
Nordiazepam	5.881	1321726	∞	56.7	29562.72	91411	483.5617 ng/ml
Norfentanyl	4.061	892954	∞	37.0	2475.98	613793	53.2811 ng/ml
Norhydrocodone	3.039	57106	634.67	39.2	∞	32964	717.1226 ng/ml
Noroxycodone	2.876	1383649	3481.16	48.9	9558.82	87772	486.5126 ng/ml
O-desmethyl-tramadol	3.348	10024052	189081.72	5.9	11656.71	1079261	506.6049 ng/ml
Oxazepam	5.731	1089788	7175.61	70.5	∞	157777	470.5698 ng/ml
Oxycodone	2.800	3738740	30767.90	31.6	12877.26	376105	482.3146 ng/ml
Oxymorphone	1.376	1226961	∞	46.9	∞	86202	499.9720 ng/ml
Phentermine	3.745	1657839	32142.00	2.3	1837.09	599548	361.4537 ng/ml
Promethazine	5.527	9553206	196229.33	30.0	1630.04	850286	515.2326 ng/ml
Quetiapine	5.558	5167847	5617.03	59.0	140035.65	108191	560.9812 ng/ml
Sertraline	5.770	2370241	44002.99	91.7	143899.26	200445	502.6837 ng/ml
Temazepam	5.798	4270067	∞	29.5	1266.14	454894	510.4156 ng/ml
Tramadol	4.219	9049567	192810.99	3.3	2008.31	1134107	470.3724 ng/ml
Trazodone	5.181	6875689	301063.62	78.2	274044.60	798415	421.9710 ng/ml
Venlafaxine	5.020	9098906	290211.03	35.6	45546.62	941209	502.4206 ng/ml
Zolpidem	4.938	9476327	357806.33	30.4	831.72	1019365	480.7381 ng/ml

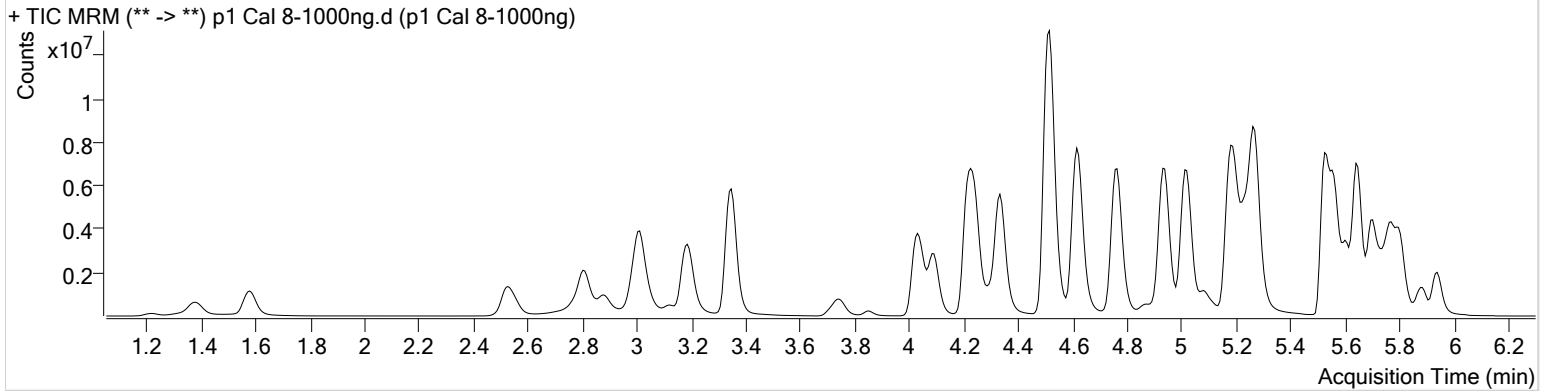
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 010720 Combo Run CS\QuantResults\MDQ P1.batch.bin
Calibration Last Update 1/10/2020 10:48:25 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 Combined 092319.m	Operator	Celena Shrum
Sample Position	P1-A12	Comment	
Injection Volume	2		
Acq. Date-Time	1/7/2020 11:49:09 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	179796	6743.11	71.6	16985.98	38714	100.3842 ng/ml
7-aminoclonazepam	4.237	765760	43028.98	82.5	11813.84	47896	712.1486 ng/ml
a-hydroxyalprazolam	5.673	295481	1132.59	68.7	321.27	15641	1005.8036 ng/ml
alpha-PVP	4.337	9639190	2581.79	49.6	2674.42	427661	1001.0195 ng/ml
Alprazolam	5.756	2930330	281.58	102.3	1022.60	76274	987.4694 ng/ml
Amphetamine	3.014	7612954	70773.22	51.4	232232.72	227351	430.6647 ng/ml
Benzoylcegonine	3.847	365143	76057.32	7.8	3094.78	18402	996.6848 ng/ml
Buprenorphine	5.882	582530	129526.41	15.7	45420.65	250945	91.0364 ng/ml
Bupropion	4.766	12315095	13641.62	58.2	3581.88	478408	958.1532 ng/ml
Carisoprodol	5.712	1110044	83499.75	53.8	3366.37	53047	1045.8216 ng/ml
Citalopram	5.202	5341824	7902.09	41.2	273.48	237425	1001.5976 ng/ml
Clonazepam	5.586	1197176	8609.21	32.1	∞	27591	872.7120 ng/ml
Cocaine	4.237	6416915	77110.34	42.9	67654.53	470382	1009.7488 ng/ml
Codeine	2.556	761411	∞	101.9	1974.77	38439	919.5704 ng/ml
Cyclobenzaprine	5.610	5142450	192421.26	10.0	∞	182622	1039.9661 ng/ml
Dextromethorphan	5.238	3224527	2225.15	79.7	1316.29	148618	1001.9942 ng/ml
Dextrorphan	4.093	2240151	1877.66	212.3	61344.81	296694	1009.2176 ng/ml
Diazepam	5.941	2615995	113.88	86.4	115.77	129611	977.2560 ng/ml
Dihydrocodeine	2.521	2134706	53006.68	67.7	85003.90	181647	703.0184 ng/ml
Diphenhydramine	5.272	14808242	327366.93	33.9	2404.95	1076125	1001.0999 ng/ml
Doxylamine	4.515	19722097	384934.02	97.1	552063.18	1103964	775.8831 ng/ml
EDDP	5.237	3167623	36256.90	42.4	2796.35	172466	1020.1307 ng/ml
Fentanyl	5.086	1069078	∞	67.5	9201.85	586230	101.6085 ng/ml
Fluoxetine	5.702	6537583	1544.86	8.6	1031.52	287784	1002.2560 ng/ml
Hydrocodone	2.991	2623272	∞	40.8	1627.64	234336	860.9756 ng/ml
Hydromorphone	1.581	2224552	3093.50	78.0	900.09	86836	978.7094 ng/ml
Ketamine	4.033	7113891	75242.56	37.2	5279.36	397503	881.0721 ng/ml
Lamotrigine	4.261	330467	48121.93	78.6	46241.50	397503	472.6423 ng/ml
Lorazepam	5.728	595179	11251.79	59.4	∞	27591	412.2893 ng/ml
Meprobamate	4.875	1092634	31942.12	26.3	10512.44	93013	674.5642 ng/ml
Methadone	5.641	10231315	5841.84	53.2	3240.45	469583	1005.3292 ng/ml
Methamphetamine	3.188	7855177	283934.89	41.9	49488.53	549658	649.7232 ng/ml
Metoprolol	4.299	1246245	∞	94.6	14745.46	920239	813.5219 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	14753662	537212.01	50.4	342116.14	427661	952.5427 ng/ml
Mitragynine	5.220	926019	12585.29	39.6	78747.78	469583	973.1694 ng/ml
Morphine	1.220	301572	∞	22.9	∞	3355	933.5369 ng/ml
Norbuprenorphine	4.970	49594	1934.64	81.4	2038.62	21998	104.7377 ng/ml
Nordiazepam	5.881	1593150	1807.24	57.1	8355.16	60434	882.1266 ng/ml
Norfentanyl	4.061	1371242	73122.80	36.9	3235.21	406033	123.3911 ng/ml
Norhydrocodone	3.039	132734	3304.21	39.7	648.17	31205	1759.7371 ng/ml
Noroxycodone	2.876	2031405	∞	48.6	3651.18	65164	962.6845 ng/ml
O-desmethyl-tramadol	3.348	15403834	245494.73	6.0	10049.40	844309	995.2810 ng/ml
Oxazepam	5.731	993824	26047.33	68.8	∞	78380	864.4848 ng/ml
Oxycodone	2.800	6284759	6212.69	31.5	3297.52	328993	927.4042 ng/ml
Oxymorphone	1.376	1931793	∞	47.9	567.28	69434	977.3859 ng/ml
Phentermine	3.745	2358849	∞	2.2	2125.57	532675	579.3995 ng/ml
Promethazine	5.527	13421674	14724.39	30.9	77173.87	629737	977.5662 ng/ml
Quetiapine	5.558	7427238	126572.47	59.2	117327.29	70711	1233.2764 ng/ml
Sertraline	5.770	3036032	53945.07	90.4	430992.97	128527	1003.8628 ng/ml
Temazepam	5.805	5560849	77496.50	30.1	∞	288948	1046.5526 ng/ml
Tramadol	4.213	12908507	212163.05	3.4	1497.45	920239	827.8714 ng/ml
Trazodone	5.174	9965040	291025.97	78.9	∞	751548	650.3212 ng/ml
Venlafaxine	5.020	13738448	11711.75	35.9	1932.01	711979	1002.5687 ng/ml
Zolpidem	4.938	14908742	386927.95	30.8	790.33	900821	856.4813 ng/ml