










REVIEWED

By Tamara Salazar at 10:32 am, Nov 12, 2020

11/4/2020

CS

Worklist: 4592

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-3449	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3491	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3491	4	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3491	6	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3584	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3585	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2020-3774	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2673	1	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2706	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2770	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2785	1	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2787	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2904	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2989	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3040	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3082	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3096	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3097	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3104	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-3161	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Extraction Date: 11/02/2020

Analyst: Celena Shrum

Plate lot#: 200513

Plate Expiration: 11/13/2020

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: 445283-4

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:


- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
Pipette ID: #42
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH**. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS: QC 10 was reinjected due to varied ISTD responses and peak shapes.

Curve limits: Amphetamine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprbamate 5-500, Methamphetamine 5-500, Norfentanyl ~~5-500~~, Phentermine 5-500.

0.5-50 
11/12/20



Idaho State Police Forensic Services

AM #25 Blood and Urine Multi-Drug Screen by LCMS-QQQ And AM #28 Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ—Panel 1

Methanol External Control Solution (Lot: 031820)

100 ul of 1mg/mL stock was added to each drug to 9700 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	193068	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared: 03/18/20			
Prepared By: Sarah Pickle			
Expires: 03/18/21			

Urine External Control Solution (Lot: WS052220)

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		031820
Prepared:	05/22/20	
Prepared by:	Celena Shrum	
Expires:	03/18/21	

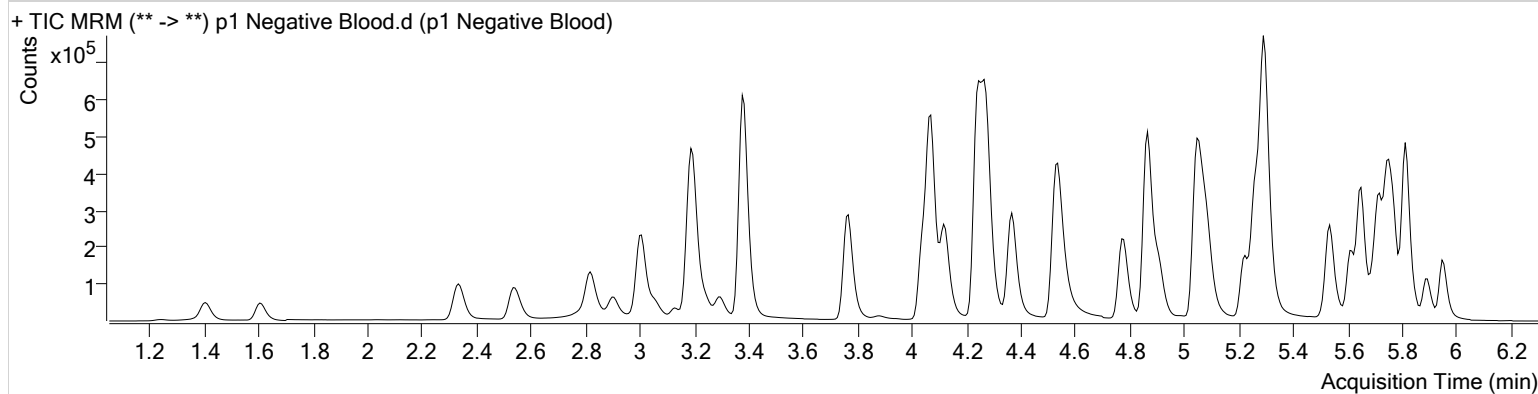
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-F2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 11:02:13 PM		
Sample Info.			

Sample Chromatogram



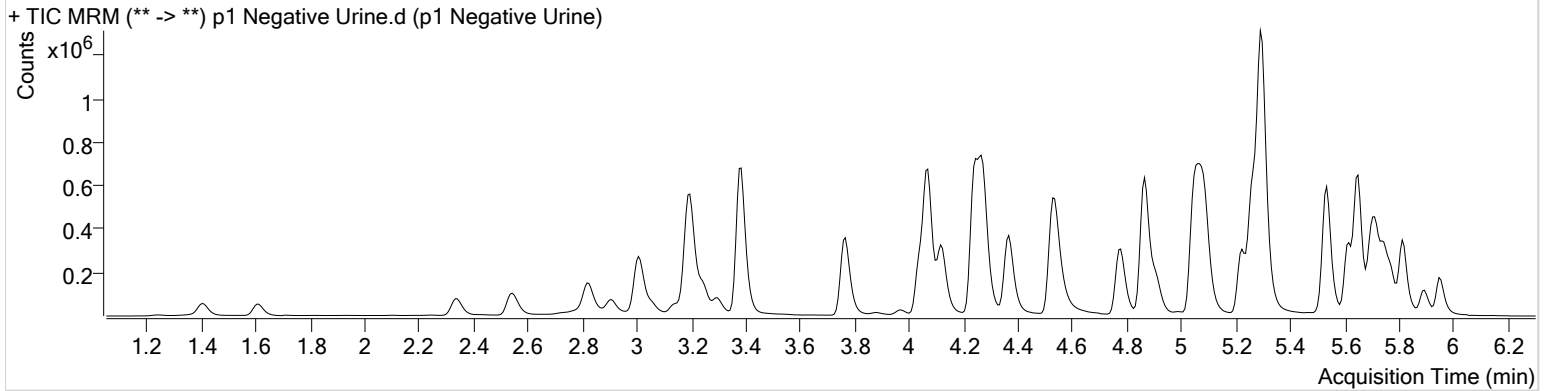
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Negative Urine.d
Type	Sample	Sample	p1 Negative Urine
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-G2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 11:23:25 PM		
Sample Info.			

Sample Chromatogram



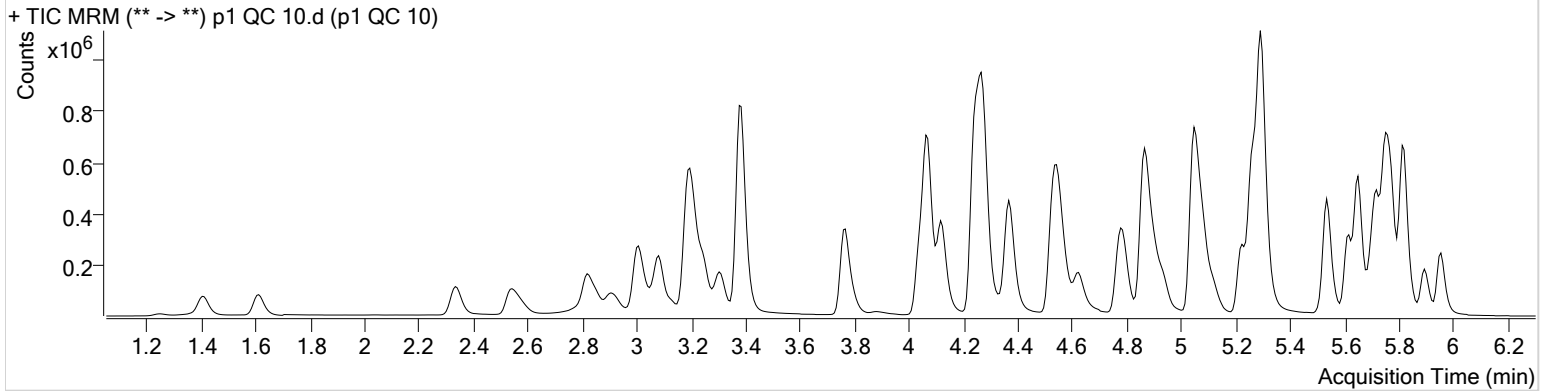
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-A2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 9:16:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	3256	∞	70.2	5380.76	71309	0.9499 ng/ml
7-aminoclonazepam	4.277	40938	∞	83.9	429.03	154399	9.6127 ng/ml
a-hydroxyalprazolam	5.701	28190	517.85	63.0	273.71	76689	9.7499 ng/ml
alpha-PHP	4.942	47714	1682.24	267.1	4621.07	837587	9.7008 ng/ml
alpha-PVP	4.376	194986	1366.43	50.3	1681.69	837587	10.1084 ng/ml
Alprazolam	5.778	104489	574.49	106.9	1049.27	339313	10.3378 ng/ml
Amphetamine	3.084	358312	3816.10	50.1	3366.46	381855	10.1610 ng/ml
Benzoylecgonine	3.905	5004	431.91	8.9	∞	18072	10.4886 ng/ml
Buprenorphine	5.755	2403	711.94	14.8	533.99	97617	1.0270 ng/ml
Bupropion	4.793	212709	1253.25	57.5	2633.58	698449	9.8790 ng/ml
Carisoprodol	5.727	110141	499.33	55.9	407.78	516764	10.2388 ng/ml
Citalopram	5.224	106973	437.26	41.8	422.29	490464	10.1656 ng/ml
Clonazepam	5.615	125483	5735.14	34.4	188.86	155181	9.8756 ng/ml
Cocaine	4.270	160417	18982.04	47.2	2615.18	1226668	10.2218 ng/ml
Codeine	2.590	16495	245.69	104.2	380.17	78390	10.2013 ng/ml
Cyclobenzaprine	5.619	65465	6306.25	9.7	479.51	267338	10.3090 ng/ml
Dextromethorphan	5.273	67554	4125.95	78.1	1296.29	311847	10.0060 ng/ml
Dextrorphan	4.124	50119	515.03	211.7	1127.25	630104	9.9783 ng/ml
Diazepam	5.956	79261	1873.74	86.7	∞	367246	10.2146 ng/ml
Dihydrocodeine	2.569	43513	920.16	63.2	597.75	230594	10.1098 ng/ml
Diphenhydramine	5.301	300772	1988.39	32.3	309.50	1903686	10.1673 ng/ml
Doxylamine	4.554	346044	∞	105.2	4989.04	1528662	9.8175 ng/ml
EDDP	5.265	159478	566.09	43.2	4074.21	869211	9.4833 ng/ml
Fentanyl	5.100	7110	460.29	77.1	557.12	339888	1.0273 ng/ml
Fluoxetine	5.703	80059	2462.52	9.4	137.61	275061	11.5129 ng/ml
Hydrocodone	3.034	65697	103.53	34.7	193.06	377561	10.3168 ng/ml
Hydromorphone	1.621	51208	∞	73.8	587.20	161589	9.5745 ng/ml
Ketamine	4.058	144496	457.24	38.3	532.47	625021	10.1227 ng/ml
Lamotrigine	4.286	12466	439.79	77.3	803.41	625021	10.7700 ng/ml
Lorazepam	5.749	108187	312.17	58.6	1653.69	155181	9.6131 ng/ml
MDA	3.218	245787	1003.20	21.7	154.51	573387	10.4945 ng/ml
MDMA	3.311	157808	8417.96	67.3	5382.41	152601	10.0383 ng/ml
Meprobamate	4.930	62827	538.51	27.1	4057.19	305265	10.0618 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	174984	5799.81	53.7	525.51	812292	9.7853 ng/ml
Methamphetamine	3.252	246627	1315.24	39.8	∞	989820	11.0125 ng/ml
Metoprolol	4.332	30659	7265.16	91.3	996.51	1647856	9.6182 ng/ml
Mirtazapine	4.623	214426	2865.56	50.6	1597.58	837587	9.5459 ng/ml
Mitragynine	5.228	31592	8715.08	37.6	27970.58	812292	10.4989 ng/ml
Morphine	1.253	8567	1802.25	34.5	506.39	10857	10.3465 ng/ml
Norbuprenorphine	4.998	282	∞	116.5	1353.42	14117	0.8626 ng/ml
Nordiazepam	5.903	76568	1327.58	58.1	908.73	244577	10.1325 ng/ml
Norfentanyl	4.092	30419	169.66	34.1	230.22	1388520	0.9656 ng/ml
Norhydrocodone	3.075	8148	68.70	39.8	48.14	93982	10.5046 ng/ml
Noroxycodone	2.925	60776	798.94	48.5	741.90	198475	10.5241 ng/ml
O-desmethyl-tramadol	3.383	314542	3548.36	6.2	432.38	1709107	9.9329 ng/ml
Oxazepam	5.759	136518	925.88	72.6	571.23	808586	9.8753 ng/ml
Oxycodone	2.850	115762	751.97	31.0	611.06	488511	10.2045 ng/ml
Oxymorphone	1.410	51553	1377.84	47.2	179.22	181415	9.9693 ng/ml
Phentermine	3.803	70028	∞	3.3	44.56	864822	10.8570 ng/ml
Promethazine	5.536	156894	28231.88	29.8	2763.38	621852	11.1333 ng/ml
Quetiapine	5.539	102313	∞	54.7	11555.20	126965	10.7420 ng/ml
Sertraline	5.772	39835	354.46	89.5	∞	131883	12.2774 ng/ml
Temazepam	5.819	223061	5928.78	30.3	311.18	1071893	9.7486 ng/ml
Tramadol	4.252	331605	19388.93	3.3	195.12	1647856	10.0563 ng/ml
Trazodone	5.120	108917	1089.40	75.1	5966.44	452497	9.8192 ng/ml
Venlafaxine	5.048	260979	1648.46	37.3	1346.26	1336923	10.7380 ng/ml
Zolpidem	4.885	301603	1353.83	31.9	1579.32	1506169	9.9951 ng/ml

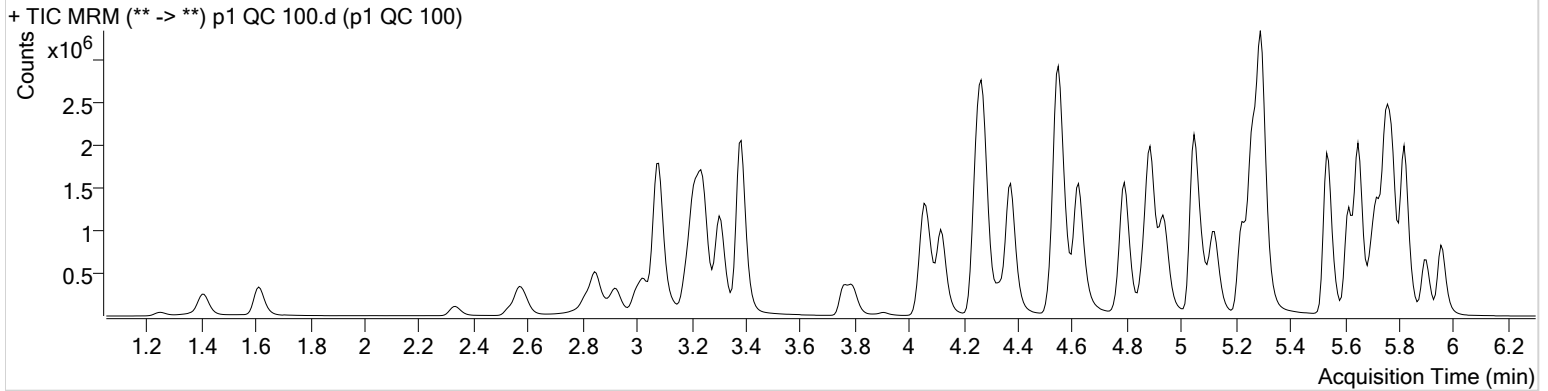
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-B2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 9:37:25 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	32877	730.16	74.4	3371.34	69447	10.3236 ng/ml
7-aminoclonazepam	4.277	368275	278.82	83.4	4138.61	126614	101.7697 ng/ml
a-hydroxyalprazolam	5.701	274604	1188.41	63.6	1474.42	69704	110.3545 ng/ml
alpha-PHP	4.942	508205	44749.65	266.2	28445.67	823855	106.7048 ng/ml
alpha-PVP	4.376	2067543	211984.65	50.2	17517.50	823855	102.0820 ng/ml
Alprazolam	5.778	1015222	∞	106.3	∞	289234	97.2369 ng/ml
Amphetamine	3.084	3300377	67357.47	50.0	154656.21	369121	105.7564 ng/ml
Benzoylcegonine	3.905	47326	3161.28	7.7	213.60	18012	101.8704 ng/ml
Buprenorphine	5.755	29491	1751.67	15.9	7043.92	113943	10.5202 ng/ml
Bupropion	4.793	2291863	181767.37	58.5	1588.58	713192	103.8848 ng/ml
Carisoprodol	5.727	1032607	69028.16	55.0	1052.38	467857	106.4898 ng/ml
Citalopram	5.224	1230493	23844.46	41.6	354845.66	526466	99.4331 ng/ml
Clonazepam	5.615	1203871	1155.16	34.2	75587.94	143606	108.6170 ng/ml
Cocaine	4.270	1613315	397453.23	47.2	35911.15	1129280	103.9056 ng/ml
Codeine	2.590	156213	963.10	108.0	12492.38	73073	106.9500 ng/ml
Cyclobenzaprine	5.619	671655	1051.83	9.4	272.81	265941	102.6259 ng/ml
Dextromethorphan	5.273	719257	814.36	79.8	670.93	321087	104.0030 ng/ml
Dextrophan	4.117	520048	2943.28	213.0	121148.68	624352	98.8317 ng/ml
Diazepam	5.956	762718	598.99	87.7	4920.10	339203	108.4205 ng/ml
Dihydrocodeine	2.569	433221	3401.64	63.7	1797.10	226373	107.6567 ng/ml
Diphenhydramine	5.301	3500831	190519.14	31.8	858.68	2040346	103.0534 ng/ml
Doxylamine	4.548	3986258	55763.79	98.9	123002.82	1614987	109.1384 ng/ml
EDDP	5.265	1841043	65908.23	41.5	21896.80	947388	99.2483 ng/ml
Fentanyl	5.100	83215	508.36	74.8	158.00	389659	10.1503 ng/ml
Fluoxetine	5.703	605038	969.42	8.5	1918.90	229558	104.0724 ng/ml
Hydrocodone	3.027	626787	∞	36.5	∞	363205	110.2439 ng/ml
Hydromorphone	1.614	496273	5319.29	75.1	∞	151132	102.1372 ng/ml
Ketamine	4.058	1443056	129968.85	38.1	1620.96	615469	106.8470 ng/ml
Lamotrigine	4.286	119859	3122.11	80.7	2426.40	615469	111.9723 ng/ml
Lorazepam	5.749	913793	3805.29	55.7	7827.76	143606	95.7799 ng/ml
MDA	3.218	2202067	20355.21	21.9	1067.01	527309	110.2135 ng/ml
MDMA	3.304	1631440	115814.82	67.3	15540.44	146677	107.9769 ng/ml
Meprobamate	4.930	568438	14709.66	26.5	9336.44	278329	109.4774 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	2062578	∞	52.4	30238.92	904927	100.5274 ng/ml
Methamphetamine	3.245	2392553	3589.29	39.3	8785.90	1005590	111.6465 ng/ml
Metoprolol	4.332	316167	45102.99	89.6	5658.84	1601319	105.2057 ng/ml
Mirtazapine	4.623	2435510	33387.59	50.5	7929.90	823855	103.0713 ng/ml
Mitragynine	5.228	373011	37289.17	37.7	11513.04	904927	113.2154 ng/ml
Morphine	1.253	82255	35138.69	33.7	460.74	10428	106.7215 ng/ml
Norbuprenorphine	4.998	3721	665.50	93.8	3339.77	15713	10.5294 ng/ml
Nordiazepam	5.903	751147	23976.28	57.6	10643.02	227467	108.7012 ng/ml
Norfentanyl	4.092	310279	16522.75	33.9	1421.06	1318576	10.0458 ng/ml
Norhydrocodone	3.075	64977	∞	41.0	97.11	73835	91.1766 ng/ml
Noroxycodone	2.925	587268	1612.05	48.3	735.68	185230	112.2903 ng/ml
O-desmethyl-tramadol	3.383	3260691	104775.59	6.1	6457.15	1626131	106.1198 ng/ml
Oxazepam	5.759	1230037	∞	71.5	∞	686678	106.9316 ng/ml
Oxycodone	2.843	1162222	18161.77	30.9	3893.39	476941	107.4416 ng/ml
Oxymorphone	1.410	493713	∞	46.0	∞	165582	107.8312 ng/ml
Phentermine	3.797	673203	∞	3.5	524.79	874602	113.6390 ng/ml
Promethazine	5.536	1551287	163761.99	30.0	975.91	623880	98.9343 ng/ml
Quetiapine	5.539	1139185	33415.36	56.5	2898725.32	143879	111.2848 ng/ml
Sertraline	5.772	241343	642.79	91.7	9365.84	92692	105.4932 ng/ml
Temazepam	5.819	2365451	21719.58	28.7	10288.74	1044033	103.4772 ng/ml
Tramadol	4.252	3356495	78148.69	3.4	2523.83	1601319	108.5961 ng/ml
Trazodone	5.120	1270049	∞	76.2	44765.21	501779	96.4807 ng/ml
Venlafaxine	5.048	2793669	100274.23	36.5	1607.96	1330479	106.3219 ng/ml
Zolpidem	4.885	3244068	196872.78	30.1	88191.23	1511806	109.4403 ng/ml

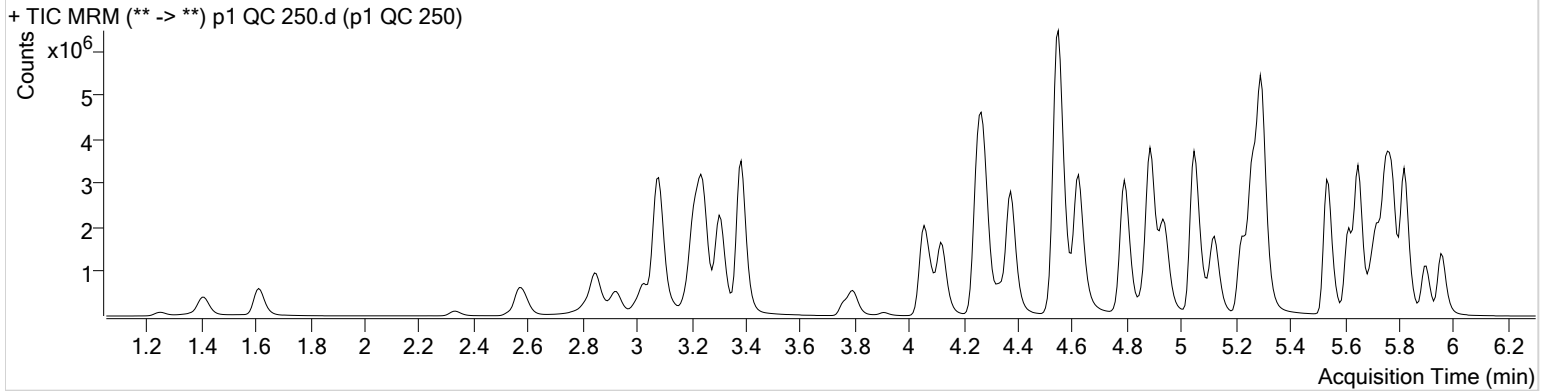


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-C2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 9:58:37 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	71057	1565.52	75.4	1597.10	62261	24.9591 ng/ml
7-aminoclonazepam	4.277	776471	8312.02	80.5	∞	107552	252.0537 ng/ml
a-hydroxyalprazolam	5.701	526083	3488.00	65.7	4504.75	58502	252.6681 ng/ml
alpha-PHP	4.942	1014418	51655.10	266.9	81026.17	694704	252.8188 ng/ml
alpha-PVP	4.376	4222954	83669.14	50.5	109983.31	694704	246.2624 ng/ml
Alprazolam	5.778	1999187	5448.83	106.4	3420.09	228499	239.4190 ng/ml
Amphetamine	3.084	6133297	92982.08	49.0	74234.08	313395	232.7255 ng/ml
Benzoylcegonine	3.905	107087	15158.36	7.5	999.24	16558	251.1484 ng/ml
Buprenorphine	5.755	49415	10014.54	15.6	15091.53	79841	25.1162 ng/ml
Bupropion	4.793	4820872	107235.94	58.0	73194.68	617503	252.3274 ng/ml
Carisoprodol	5.727	1929312	758.30	54.5	519.76	370859	251.0705 ng/ml
Citalopram	5.224	2388355	∞	40.4	1779.30	415210	243.2820 ng/ml
Clonazepam	5.615	2239023	102654.32	33.7	3100.87	114562	254.1131 ng/ml
Cocaine	4.270	3143380	108006.18	46.8	40503.99	915007	248.7600 ng/ml
Codeine	2.590	309138	7885.95	105.7	∞	61406	252.3512 ng/ml
Cyclobenzaprine	5.619	1069304	38255.71	9.4	∞	172596	251.1708 ng/ml
Dextromethorphan	5.273	1299059	1308.86	79.3	47021.25	242414	248.8820 ng/ml
Dextrophan	4.117	1052872	3370.81	212.8	3376.43	518228	240.2065 ng/ml
Diazepam	5.956	1495695	∞	88.4	8058.58	280913	257.0219 ng/ml
Dihydrocodeine	2.569	863871	1195.97	62.6	38480.16	199596	244.1816 ng/ml
Diphenhydramine	5.301	7095553	779847.52	31.1	56458.07	1656317	256.1814 ng/ml
Doxylamine	4.548	9215530	460989.99	97.7	234438.43	1477362	276.1352 ng/ml
EDDP	5.265	3575500	2646.91	40.9	1135.76	739571	246.7275 ng/ml
Fentanyl	5.100	141067	25829.89	74.0	21242.99	273777	24.4384 ng/ml
Fluoxetine	5.703	786725	48556.45	9.0	∞	127086	244.4082 ng/ml
Hydrocodone	3.027	1259864	∞	37.6	∞	312502	258.7354 ng/ml
Hydromorphone	1.614	1013849	446.44	75.2	1588.99	128740	245.3869 ng/ml
Ketamine	4.058	2993420	47018.40	37.5	1378.54	538410	253.9886 ng/ml
Lamotrigine	4.293	219159	12426.16	80.6	30966.02	538410	234.8882 ng/ml
Lorazepam	5.749	1418655	8963.91	55.4	∞	114562	187.3317 ng/ml *
MDA	3.218	3921264	61278.81	21.4	1241.39	424960	244.6303 ng/ml
MDMA	3.304	3335498	28470.06	66.9	53336.56	124050	261.0291 ng/ml
Meprobamate	4.936	988071	39069.54	26.6	6827.89	221744	240.1319 ng/ml

*Outside curve range

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	4041066	2018.92	50.5	6035489.89	713452	249.3492 ng/ml
Methamphetamine	3.245	4907092	4476.56	38.4	5598.40	894260	258.4840 ng/ml
Metoprolol	4.332	627428	10124.37	92.5	∞	1350567	247.9829 ng/ml
Mirtazapine	4.623	5086802	261878.66	49.8	10822.01	694704	254.2931 ng/ml
Mitragynine	5.228	608967	52646.59	37.1	6097.36	713452	234.6541 ng/ml
Morphine	1.253	172569	1610.97	33.7	5305.74	9208	254.0687 ng/ml
Norbuprenorphine	4.998	7556	740.48	88.4	28203.34	13047	25.7861 ng/ml
Nordiazepam	5.903	1455560	∞	57.6	25734.00	185333	258.7894 ng/ml
Norfentanyl	4.092	641378	34523.11	34.2	219.74	1093149	24.9979 ng/ml
Norhydrocodone	3.075	117134	345.33	41.8	156.49	56231	213.5140 ng/ml
Noroxycodone	2.925	1112768	6259.79	48.1	602.90	150062	263.1110 ng/ml
O-desmethyl-tramadol	3.383	6864806	219993.88	6.1	20142.62	1381922	262.5837 ng/ml
Oxazepam	5.753	2103509	22795.32	71.7	29013.34	483201	260.1922 ng/ml
Oxycodone	2.843	2395615	5204.41	31.1	2955.30	416775	253.8000 ng/ml
Oxymorphone	1.410	940388	∞	47.4	1481.25	134287	253.7134 ng/ml
Phentermine	3.797	1281543	∞	3.3	1982.41	758960	250.7551 ng/ml
Promethazine	5.536	2525650	302649.40	29.9	27222.41	423135	235.7864 ng/ml
Quetiapine	5.539	2257776	∞	57.4	142762.63	123815	257.1458 ng/ml
Sertraline	5.772	280334	8341.61	90.7	335.96	40947	277.3148 ng/ml
Temazepam	5.819	4711580	432480.93	28.0	17825.47	845280	254.1793 ng/ml
Tramadol	4.252	6730744	612792.37	3.4	29093.25	1350567	258.7609 ng/ml
Trazodone	5.120	2402348	270125.67	76.6	456419.68	381731	238.8312 ng/ml
Venlafaxine	5.048	6000393	492152.94	35.3	1507.62	1140059	265.0890 ng/ml
Zolpidem	4.885	6962954	3037.56	28.9	66570.81	1319293	269.5262 ng/ml

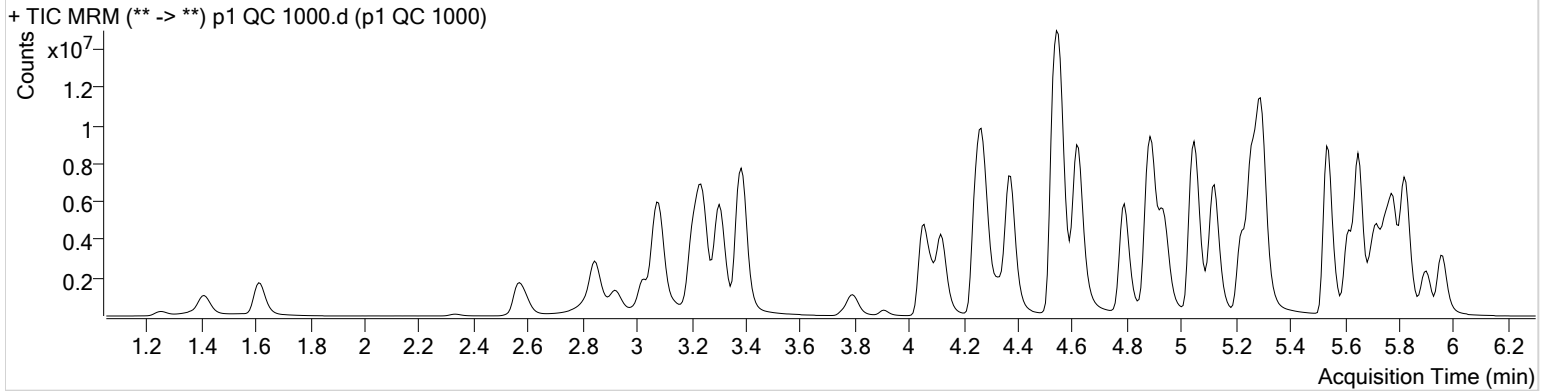
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-D2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 10:19:49 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	290417	89992.27	72.7	8425.01	62826	101.2470 ng/ml
7-aminoclonazepam	4.284	1546572	7361.34	86.3	20101.87	52334	1030.6117 ng/ml
a-hydroxyalprazolam	5.695	1224916	454.58	66.9	1908.38	38917	885.8829 ng/ml
alpha-PHP	4.935	2843666	69008.75	278.5	∞	496136	992.8562 ng/ml
alpha-PVP	4.376	12445845	474582.56	50.6	209896.25	496136	1014.0586 ng/ml
Alprazolam	5.778	5285120	2371.07	104.5	3918.32	140400	1023.5538 ng/ml
Amphetamine	3.084	13035530	328908.26	47.4	139914.75	205760	755.7157 ng/ml*
Benzoylcegonine	3.905	463109	5733.32	7.5	∞	16344	1101.3128 ng/ml
Buprenorphine	5.755	116585	∞	15.9	∞	50662	93.3071 ng/ml
Bupropion	4.793	9633827	546197.51	58.2	69223.17	323745	961.6692 ng/ml
Carisoprodol	5.727	4222476	239711.57	54.4	103044.32	201523	1011.3685 ng/ml
Citalopram	5.224	6349362	813.29	39.0	1802.18	261520	1023.6936 ng/ml
Clonazepam	5.615	4605756	27472.78	33.9	41505.26	73068	821.0461 ng/ml
Cocaine	4.270	8630547	255309.21	46.5	399774.44	605879	1029.0184 ng/ml
Codeine	2.590	883984	4743.59	104.2	∞	49110	903.2168 ng/ml
Cyclobenzaprine	5.619	4091502	600691.68	8.9	11880.65	150163	1103.2881 ng/ml
Dextromethorphan	5.266	2797021	418.40	78.8	348.30	127078	1022.4063 ng/ml
Dextrophan	4.117	3133630	∞	219.9	489919.08	369374	1001.1257 ng/ml
Diazepam	5.963	4108135	11869.59	88.8	7741.71	194154	1022.0337 ng/ml
Dihydrocodeine	2.562	2653897	1383.81	65.3	804.43	204509	733.2478 ng/ml*
Diphenhydramine	5.301	17111017	1141534.59	35.2	62981.30	1039219	982.5082 ng/ml
Doxylamine	4.541	26278381	1914407.75	97.9	358006.42	1357825	857.1725 ng/ml
EDDP	5.259	11683464	3754.24	39.5	844700.14	574920	1036.7111 ng/ml
Fentanyl	5.100	505925	14893.75	73.9	1898500.58	241390	99.2930 ng/ml
Fluoxetine	5.703	3459560	218488.54	8.7	616489.49	131689	1037.1282 ng/ml
Hydrocodone	3.027	3937489	4809.57	37.1	∞	290070	873.2692 ng/ml
Hydromorphone	1.614	3239966	∞	72.7	1414.45	103907	972.5306 ng/ml
Ketamine	4.050	9219310	619757.08	35.9	24344.14	439774	958.9653 ng/ml
Lamotrigine	4.293	445774	12431.98	81.5	10448.94	439774	586.0826 ng/ml*
Lorazepam	5.743	1755554	∞	54.3	5766.13	73068	364.3951 ng/ml*
MDA	3.211	7647199	131246.53	20.9	21911.33	279182	727.9819 ng/ml*
MDMA	3.304	9398609	1363089.44	66.6	116408.04	88473	1031.2875 ng/ml
Meprobamate	4.930	1946719	44756.43	26.5	∞	143358	734.0105 ng/ml*

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	11456137	1307.10	52.2	210629.78	477225	1055.7819 ng/ml
Methamphetamine	3.245	12908910	3894.17	37.1	85232.33	780967	780.1559 ng/ml*
Metoprolol	4.332	1754663	9134.07	93.9	∞	1089612	860.4045 ng/ml
Mirtazapine	4.623	15094393	307084.23	51.1	342390.68	496136	1054.4435 ng/ml
Mitragynine	5.228	1572256	16229.62	37.4	11288.80	477225	906.3099 ng/ml
Morphine	1.253	538800	88171.84	33.7	14523.51	7482	977.2215 ng/ml
Norbuprenorphine	4.998	21408	825.19	94.2	29329.46	9786	97.4887 ng/ml
Nordiazepam	5.903	3617901	28513.66	57.0	1261.23	121637	980.6076 ng/ml
Norfentanyl	4.092	2241565	256174.72	33.9	4241.85	764999	124.7079 ng/ml*
Norhydrocodone	3.075	405510	∞	36.9	735.83	36303	1137.5509 ng/ml
Noroxycodone	2.918	2861164	∞	47.8	∞	104156	975.6439 ng/ml
O-desmethyl-tramadol	3.383	20278645	1522104.73	6.7	48617.09	1103426	970.8724 ng/ml
Oxazepam	5.753	2785126	18979.65	69.5	8358.91	183801	906.2386 ng/ml
Oxycodone	2.843	8281483	2198.39	30.8	3547.32	391195	935.4636 ng/ml
Oxymorphone	1.410	2999559	1209.78	47.3	1325.31	112103	970.3740 ng/ml
Phentermine	3.797	3215141	∞	3.2	9360.38	645364	742.2204 ng/ml*
Promethazine	5.536	9199480	293214.25	29.2	81913.96	348971	1037.1925 ng/ml
Quetiapine	5.539	6553061	469471.76	58.3	∞	102133	906.4341 ng/ml
Sertraline	5.772	1108406	10450.11	90.4	32434.08	45143	994.4348 ng/ml
Temazepam	5.819	12820576	149953.46	27.6	32358.95	574476	1016.8675 ng/ml
Tramadol	4.255	17335125	∞	3.6	30756.22	1089612	826.9476 ng/ml
Trazodone	5.120	9722882	766446.00	77.6	408163.14	323004	1139.6589 ng/ml
Venlafaxine	5.051	18216549	552242.37	36.9	40498.65	862532	1060.8936 ng/ml
Zolpidem	4.889	20321545	115598.92	32.6	1811.52	1231662	843.0959 ng/ml

*Outside curve range

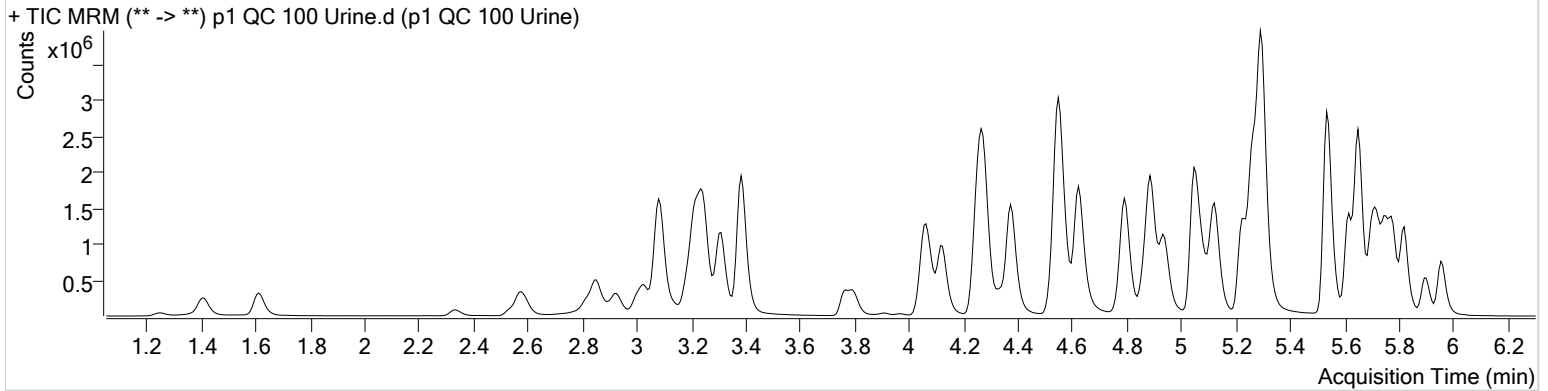
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 QC 100 Urine.d
Type	QC	Sample	p1 QC 100 Urine
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-E2	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 10:41:01 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	31977	1778.92	72.5	774.90	65862	10.5887 ng/ml
7-aminoclonazepam	4.277	380392	236.84	81.9	3425.80	128670	103.4325 ng/ml
a-hydroxyalprazolam	5.695	191690	2044.60	65.2	658.67	50813	105.6479 ng/ml
alpha-PHP	4.942	505169	21238.50	262.1	10831.10	820354	106.5198 ng/ml
alpha-PVP	4.376	2044097	2063.33	50.9	17527.44	820354	101.3601 ng/ml
Alprazolam	5.778	659729	1966.59	104.7	1377.75	176355	103.5024 ng/ml
Amphetamine	3.084	2972060	∞	50.0	79055.57	362393	96.9172 ng/ml
Benzoylcegonine	3.905	49058	213.35	7.1	826.33	17669	107.6656 ng/ml
Buprenorphine	5.755	28712	1053.78	16.2	1278.33	121505	9.6074 ng/ml
Bupropion	4.793	2385786	2652.34	59.2	13291.45	746866	103.2666 ng/ml
Carisoprodol	5.727	774397	∞	55.0	6733.72	346062	107.9689 ng/ml
Citalopram	5.224	1486858	23904.20	40.9	20671.06	624570	101.2590 ng/ml
Clonazepam	5.615	834167	951.89	34.8	6446.17	104818	103.0779 ng/ml
Cocaine	4.270	1470525	27276.65	47.2	15886.19	1050218	101.8546 ng/ml
Codeine	2.590	155334	∞	106.2	∞	70195	110.7207 ng/ml
Cyclobenzaprine	5.619	1264701	62347.98	9.4	341.07	497496	103.2960 ng/ml
Dextromethorphan	5.273	953012	7863.06	79.2	24014.03	426881	103.6514 ng/ml
Dextrophan	4.124	517536	988.33	211.0	3039.80	613897	100.0221 ng/ml
Diazepam	5.956	695511	855.59	87.1	9360.72	310916	107.8609 ng/ml
Dihydrocodeine	2.569	422920	522.80	62.9	2825.95	217841	109.2210 ng/ml
Diphenhydramine	5.301	4252697	153852.18	32.0	14965.85	2463148	103.6930 ng/ml
Doxylamine	4.548	4088909	45099.19	97.7	26187.58	1626256	111.1770 ng/ml
EDDP	5.265	1815574	2933.27	41.7	768.72	917334	101.0795 ng/ml
Fentanyl	5.100	152032	907.45	71.9	19979.11	680757	10.6131 ng/ml
Fluoxetine	5.703	1393395	21890.38	8.9	7168.74	533076	103.2125 ng/ml
Hydrocodone	3.027	603999	∞	37.4	∞	351659	109.7198 ng/ml
Hydromorphone	1.614	457515	658.06	76.7	∞	143644	99.0591 ng/ml
Ketamine	4.058	1411117	7041.06	37.7	4007.10	594568	108.1606 ng/ml
Lamotrigine	4.293	119808	2270.08	82.0	8742.06	594568	115.8859 ng/ml
Lorazepam	5.743	466246	∞	55.2	∞	104818	66.6565 ng/ml
MDA	3.218	2221721	∞	22.1	1126.14	511359	114.7025 ng/ml
MDMA	3.311	1617974	68087.43	68.0	6171.30	147620	106.4018 ng/ml
Meprobamate	4.936	513107	18862.79	26.7	3386.46	250896	109.6278 ng/ml

AM #28 Multi-Drug Quant. Results



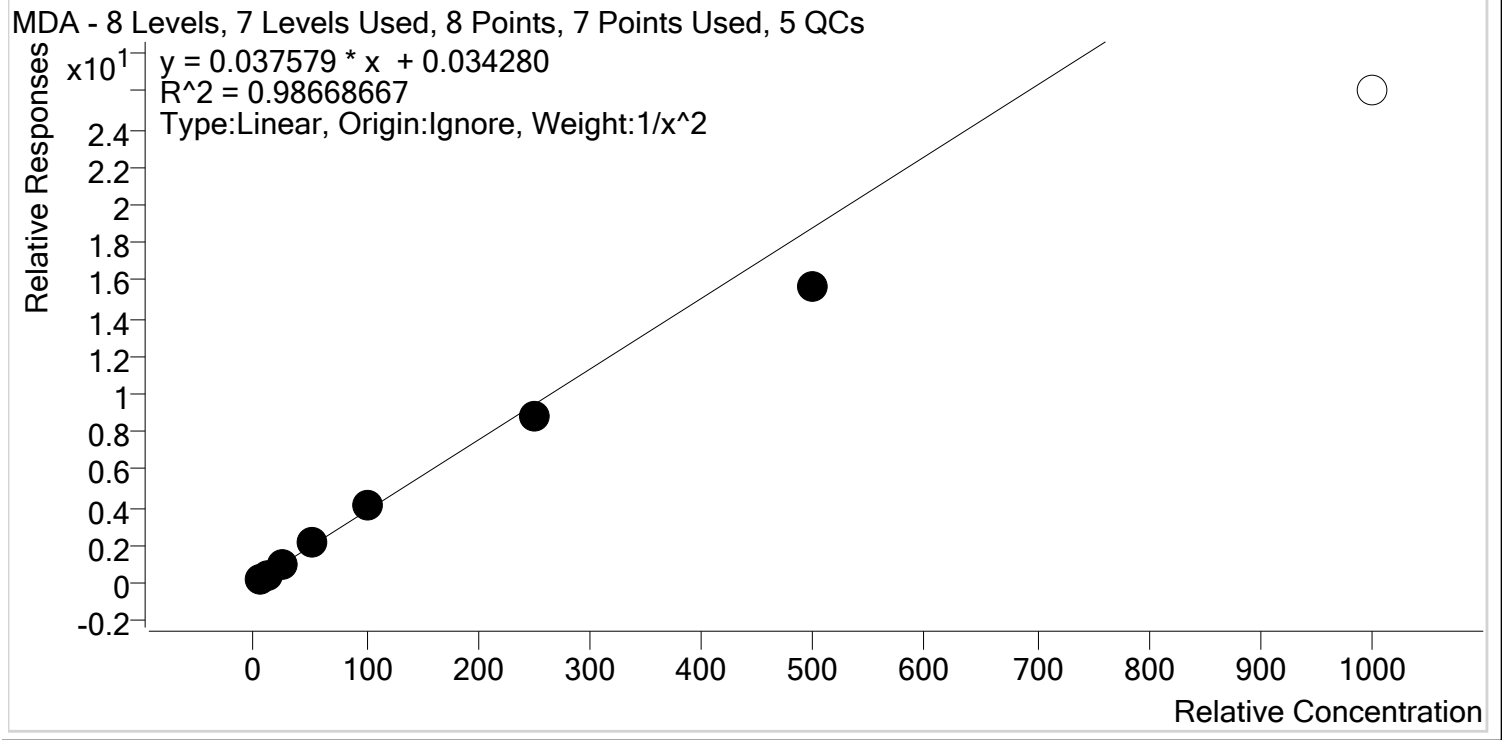
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	2672467	71829.16	52.1	3645.17	1163395	101.3124 ng/ml
Methamphetamine	3.245	2381560	4168.34	38.9	1046.52	962853	116.0963 ng/ml
Metoprolol	4.339	305442	12256.64	91.7	∞	1489914	109.2492 ng/ml
Mirtazapine	4.623	2859596	3513.39	50.7	109152.06	820354	121.4136 ng/ml
Mitragynine	5.228	535900	38228.77	37.9	26101.60	1163395	126.5423 ng/ml
Morphine	1.253	83815	14175.75	33.9	5368.31	10354	109.5338 ng/ml
Norbuprenorphine	4.998	4911	19444.41	91.1	777.96	20471	10.6667 ng/ml
Nordiazepam	5.903	598188	1184.12	57.7	27769.59	185386	106.2112 ng/ml
Norfentanyl	4.092	304721	23867.37	34.4	358.57	1286033	10.1153 ng/ml
Norhydrocodone	3.075	58642	174.92	40.3	60.02	66884	90.8443 ng/ml
Noroxycodone	2.925	563937	2857.15	47.8	1254.15	176040	113.4620 ng/ml
O-desmethyl-tramadol	3.383	3060052	129490.92	6.2	3075.82	1543799	104.9036 ng/ml
Oxazepam	5.753	554614	2555.38	67.7	∞	369705	89.5159 ng/ml
Oxycodone	2.850	1148383	13455.69	31.2	3045.82	464918	108.9115 ng/ml
Oxymorphone	1.410	476787	∞	46.2	879.27	158559	108.7494 ng/ml
Phentermine	3.803	662785	9586.05	3.4	1047.38	853239	114.6927 ng/ml
Promethazine	5.536	2674270	1391.31	30.2	1829.80	1079302	98.5910 ng/ml
Quetiapine	5.539	1315667	41538.90	58.6	33153.95	175588	105.2802 ng/ml
Sertraline	5.772	356499	16187.49	90.6	812.92	137940	104.7135 ng/ml
Temazepam	5.819	1371545	∞	29.2	341.49	625210	100.1996 ng/ml
Tramadol	4.259	3143200	164042.06	3.5	393.51	1489914	109.3018 ng/ml
Trazodone	5.120	2048166	47904.03	76.5	1916.79	774261	100.8025 ng/ml
Venlafaxine	5.048	2710784	3511.11	36.6	365.29	1296685	105.8603 ng/ml
Zolpidem	4.885	3176071	49847.62	30.2	5957.07	1472947	109.9743 ng/ml

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

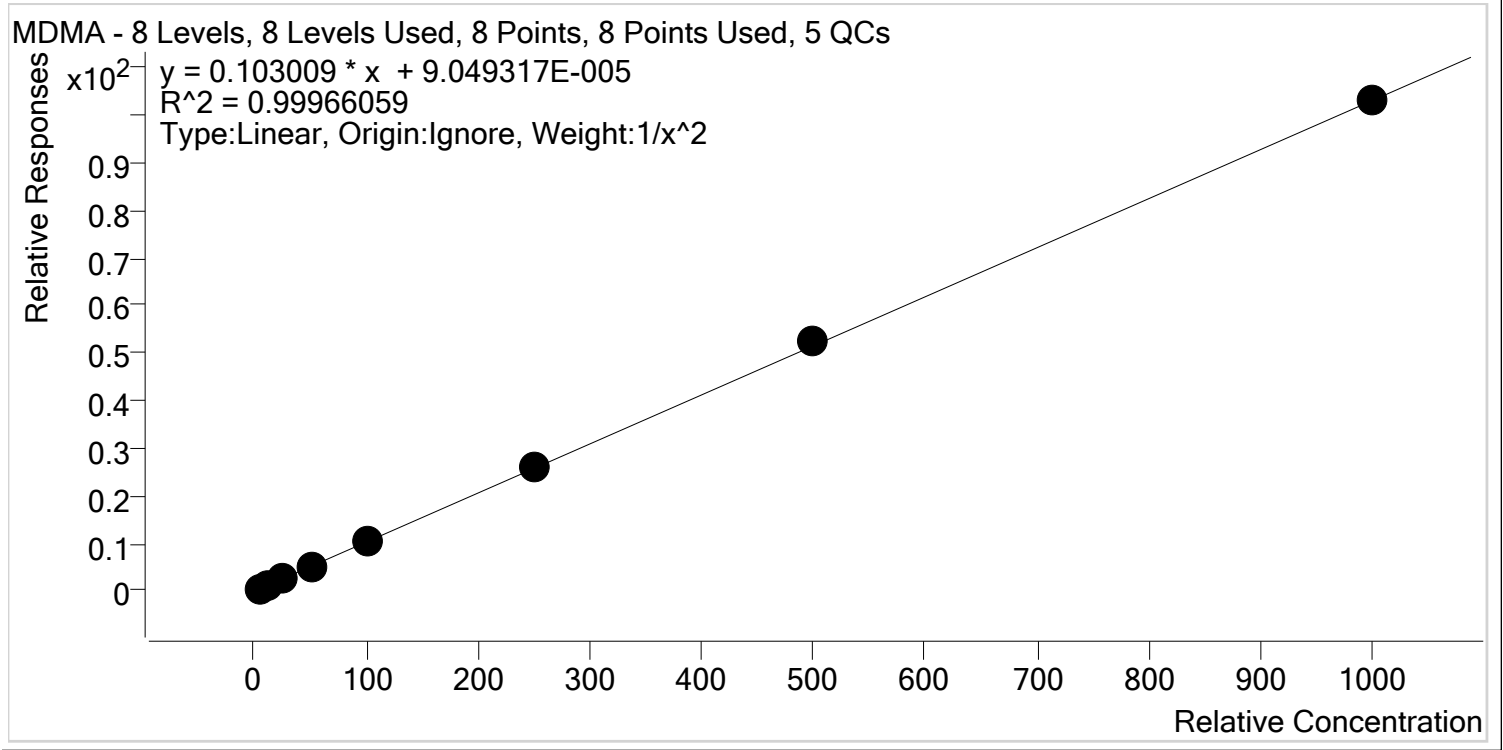


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	55.4	110.7
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	233.6	93.4
p1 Cal 7-500ng	7	✓	500.0	414.3	82.9
p1 Cal 8-1000ng	8	x	1000.0	692.7	69.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
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Analyte MDMA **Internal Standard** MDMA-D6

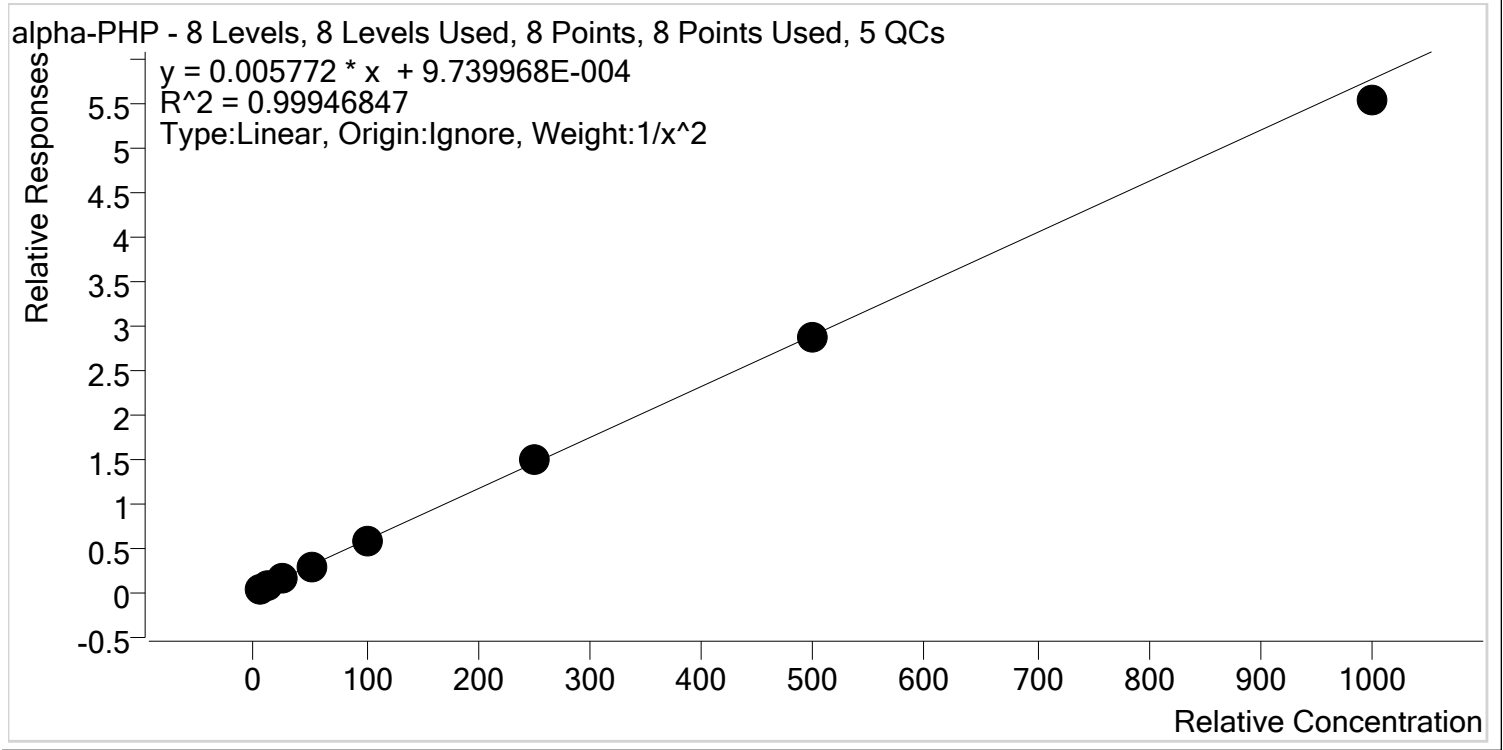


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1000.0	100.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

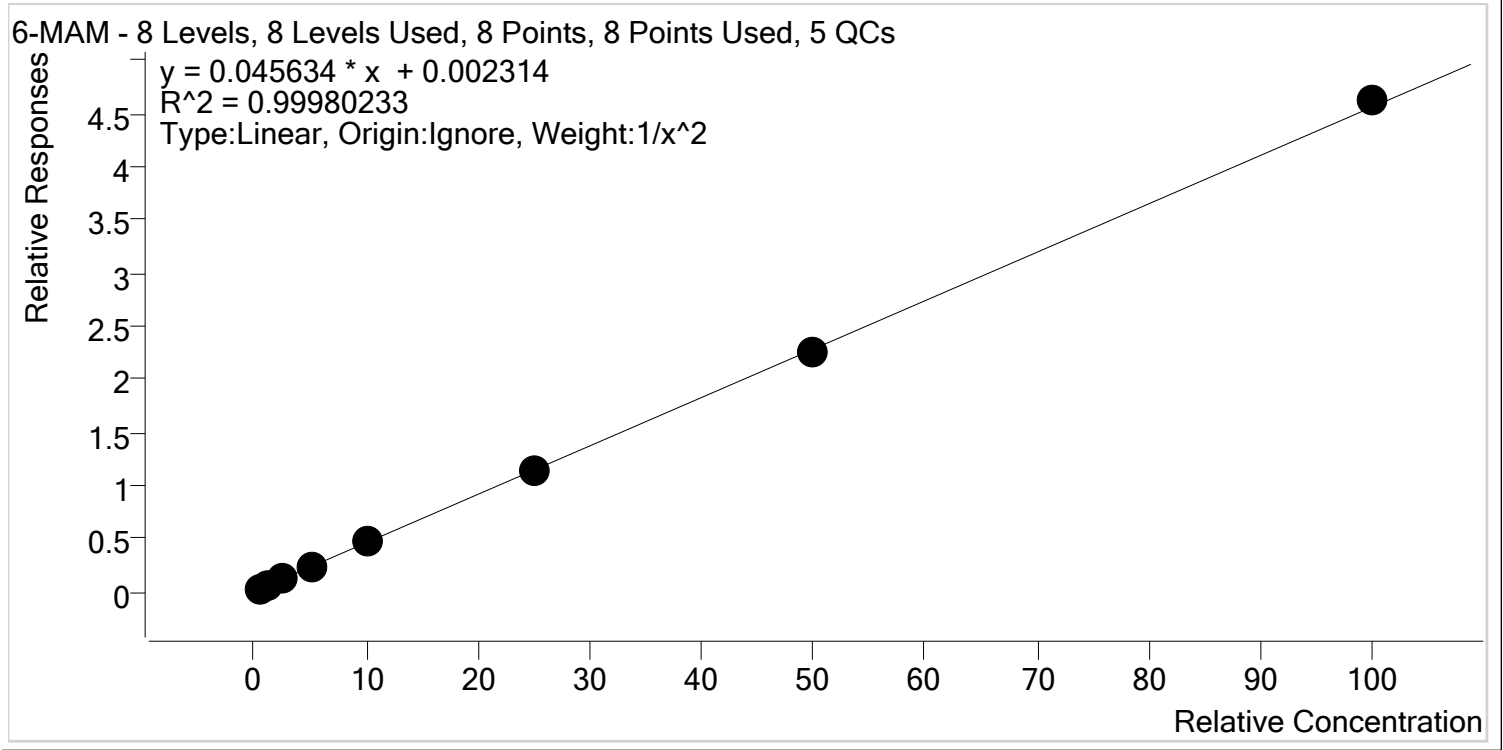


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	957.9	95.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

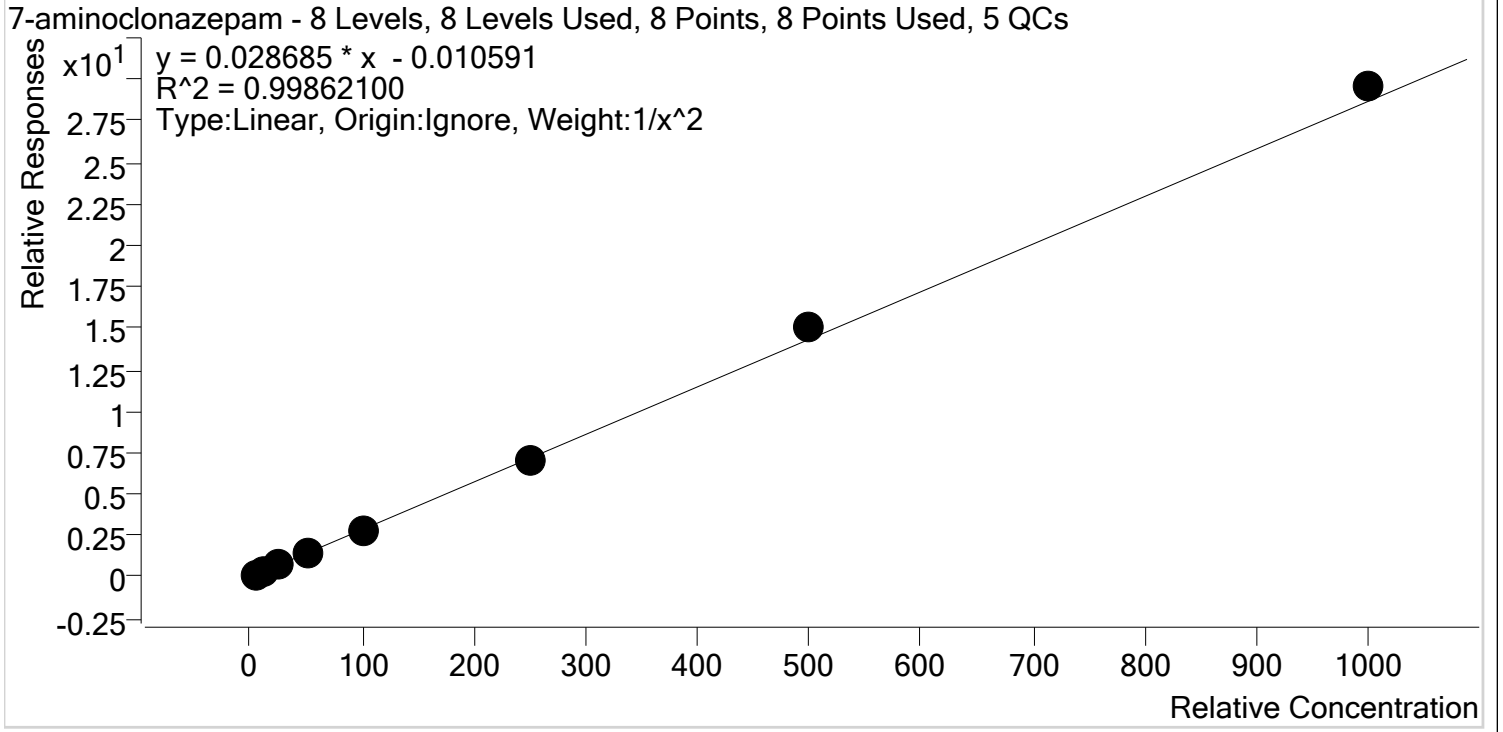


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.7
p1 Cal 4-50ng	4	✓	5.0	5.0	100.0
p1 Cal 5-100ng	5	✓	10.0	10.0	99.7
p1 Cal 6-250ng	6	✓	25.0	25.2	101.0
p1 Cal 7-500ng	7	✓	50.0	49.2	98.4
p1 Cal 8-1000ng	8	✓	100.0	101.3	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

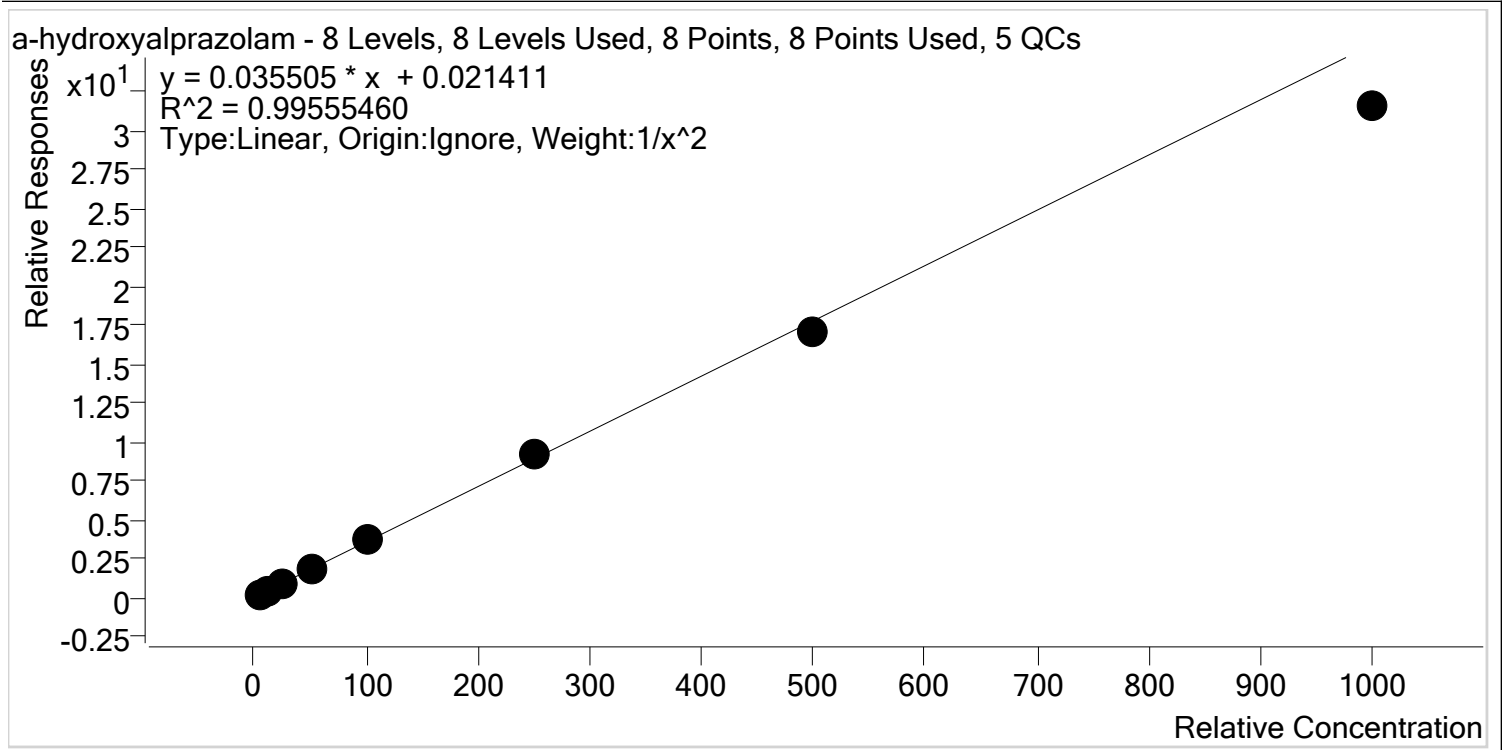


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	525.0	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1031.1	103.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

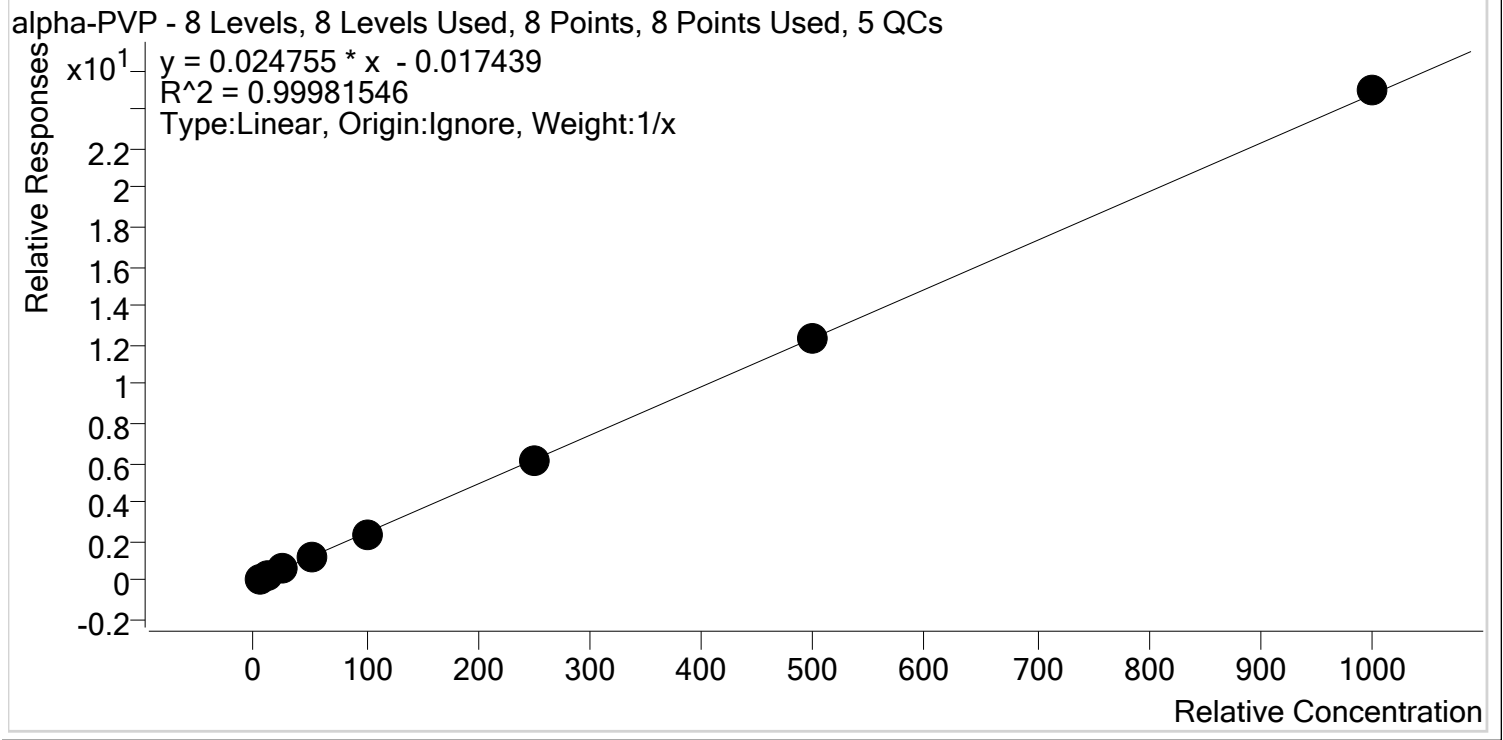


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	478.0	95.6
p1 Cal 8-1000ng	8	✓	1000.0	888.3	88.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

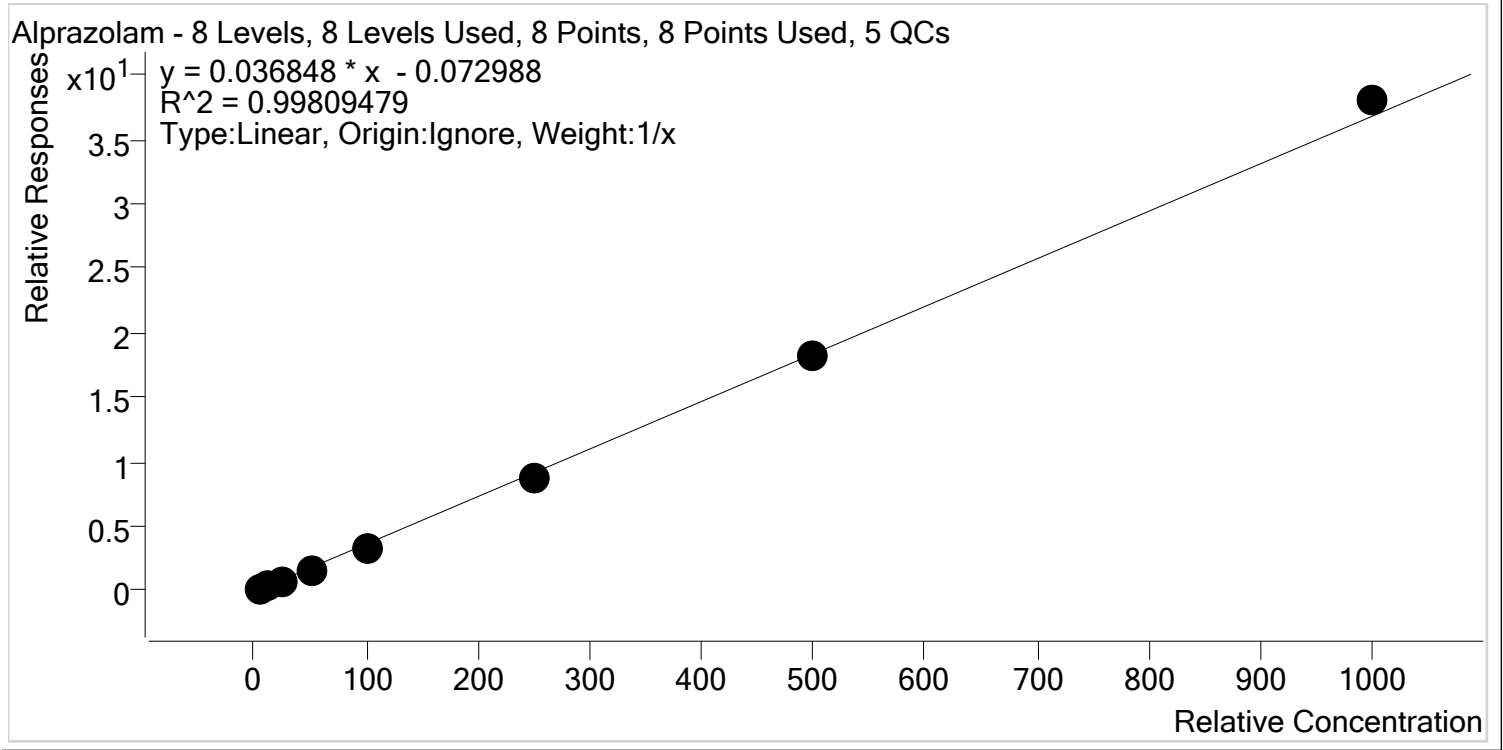


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1008.1	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

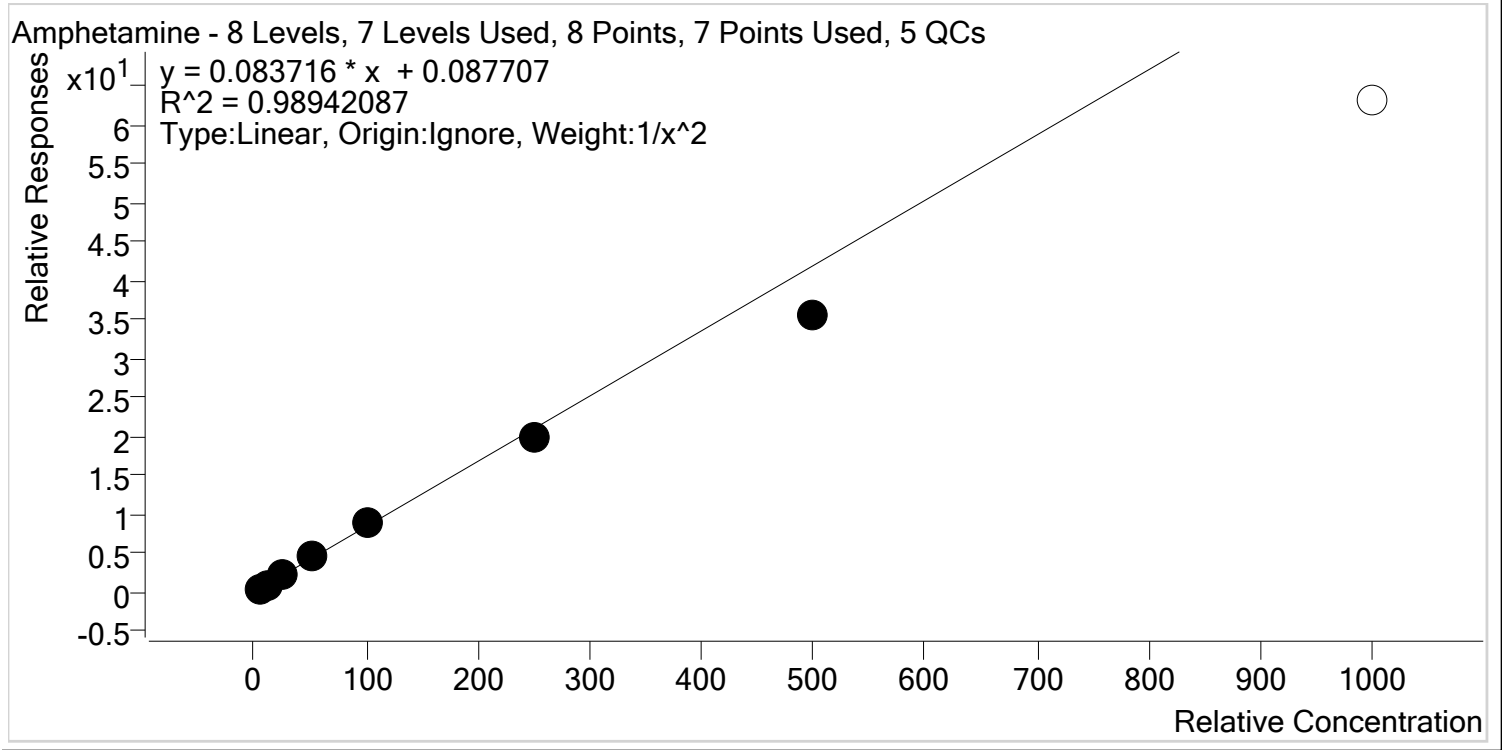


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	122.7
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	✓	50.0	45.6	91.1
p1 Cal 5-100ng	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	237.4	94.9
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1033.0	103.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



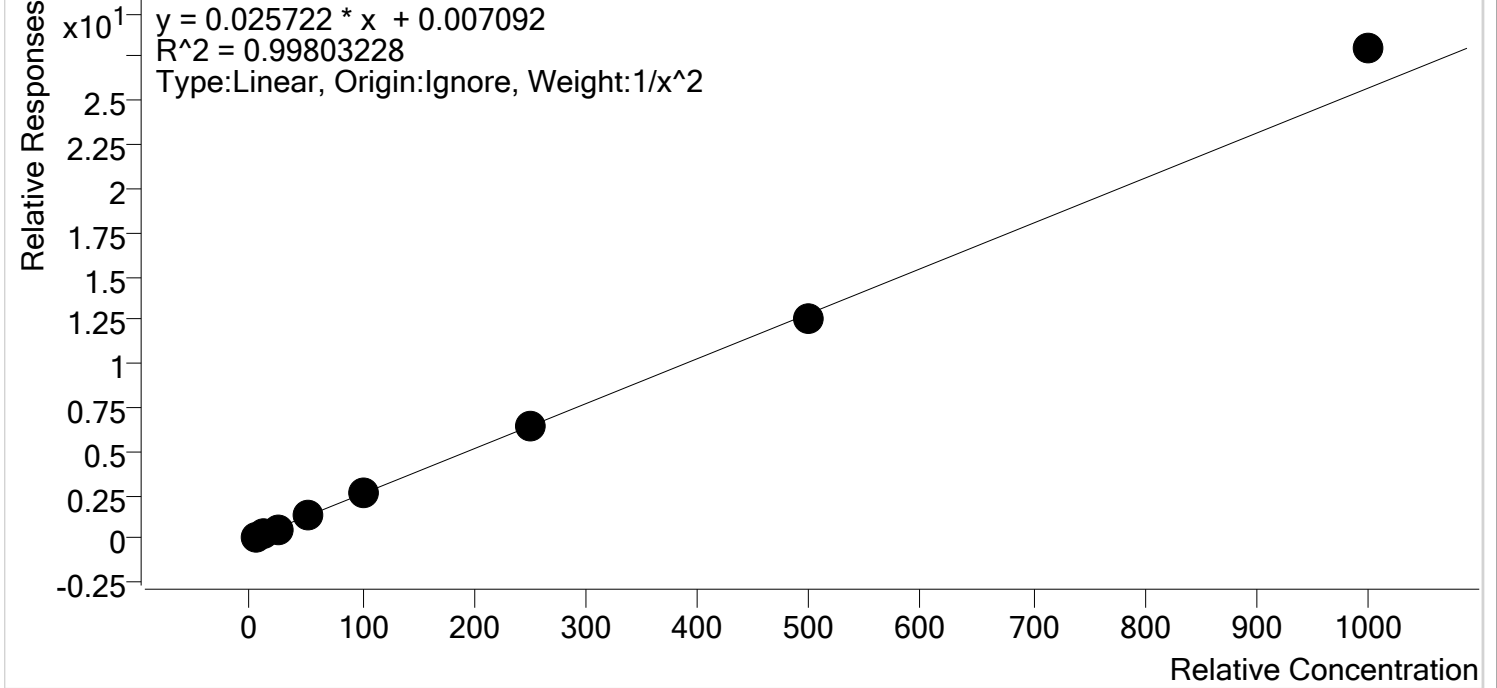
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng	7	✓	500.0	422.8	84.6
p1 Cal 8-1000ng	8	✗	1000.0	752.8	75.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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

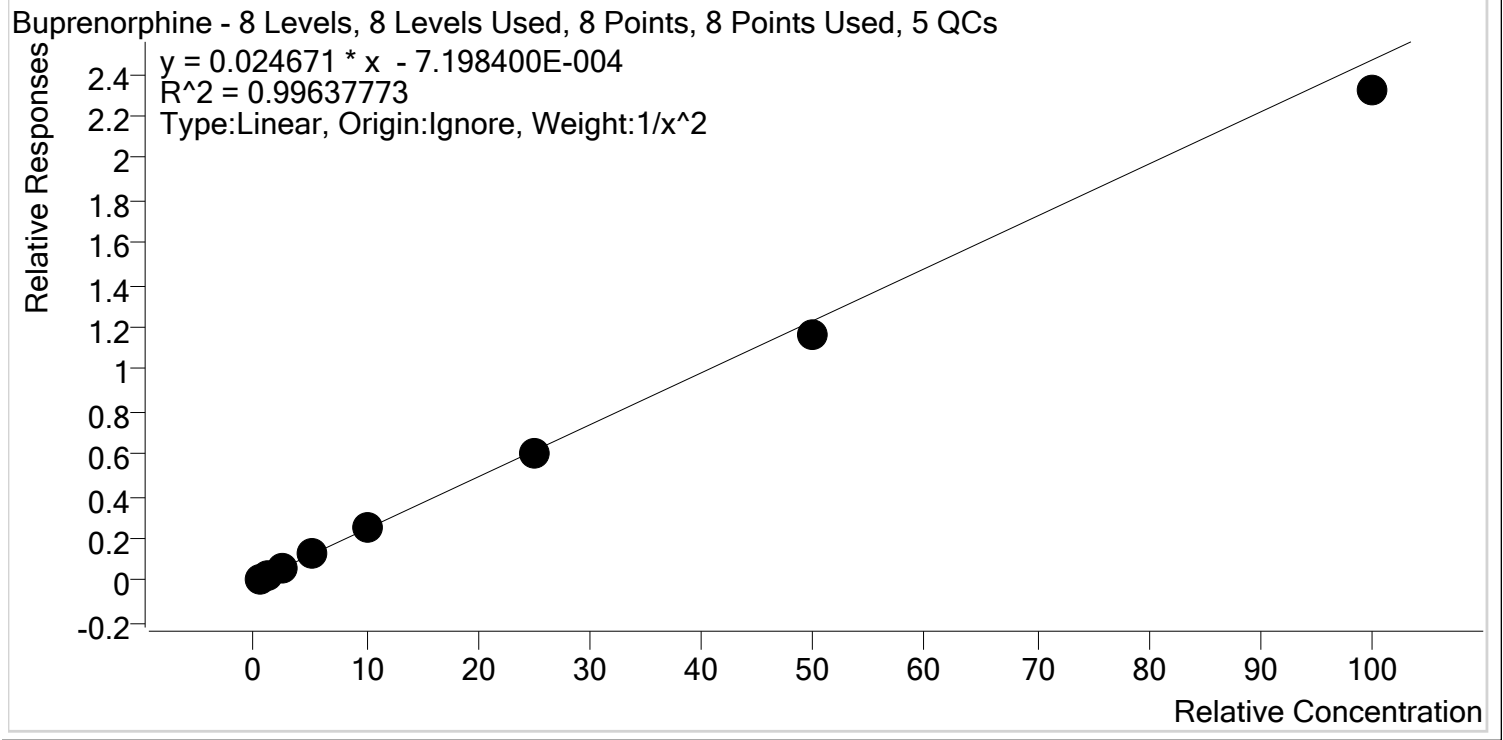


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	1087.6	108.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

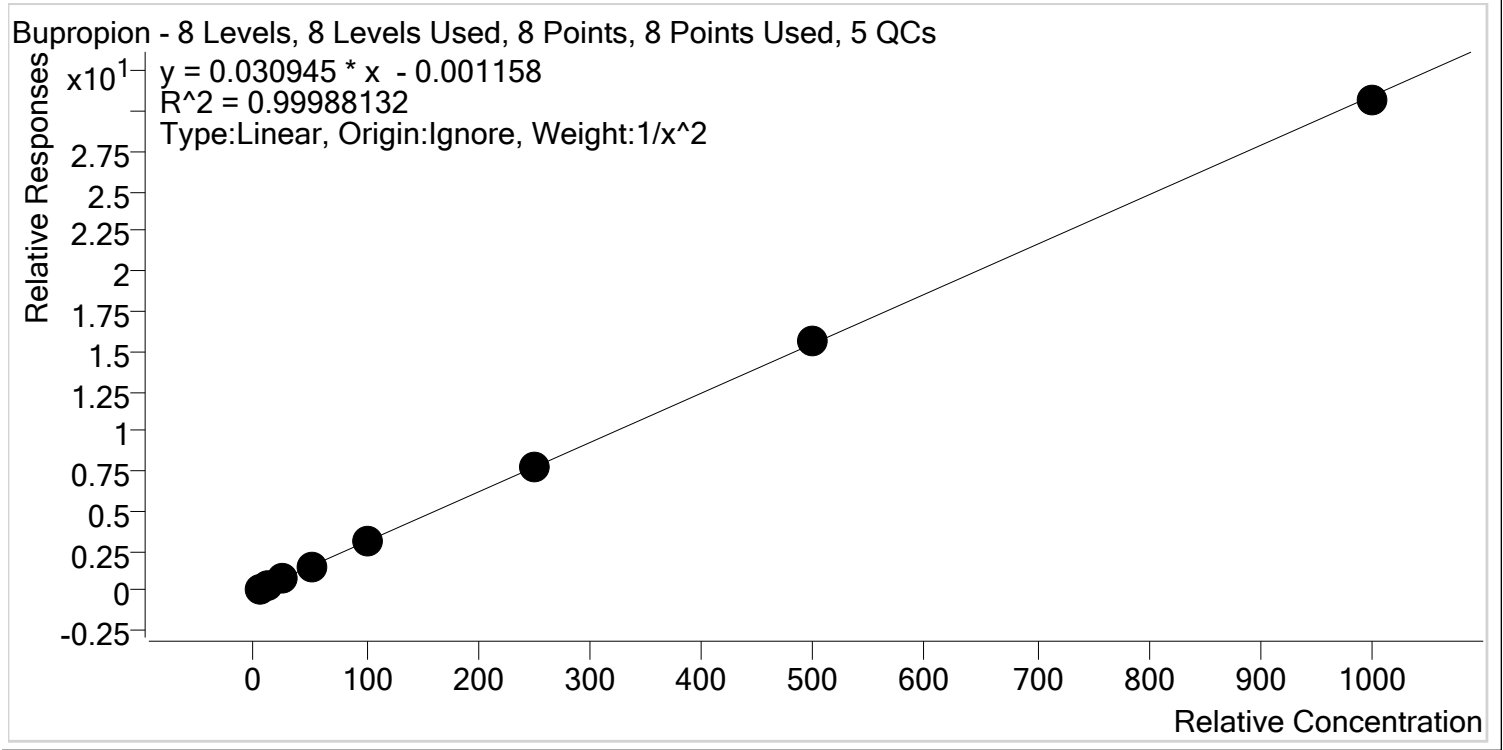


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.1
p1 Cal 3 -25ng	3	✓	2.5	2.6	104.9
p1 Cal 4-50ng	4	✓	5.0	5.4	108.9
p1 Cal 5-100ng	5	✓	10.0	10.0	100.0
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	47.5	95.0
p1 Cal 8-1000ng	8	✓	100.0	94.1	94.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

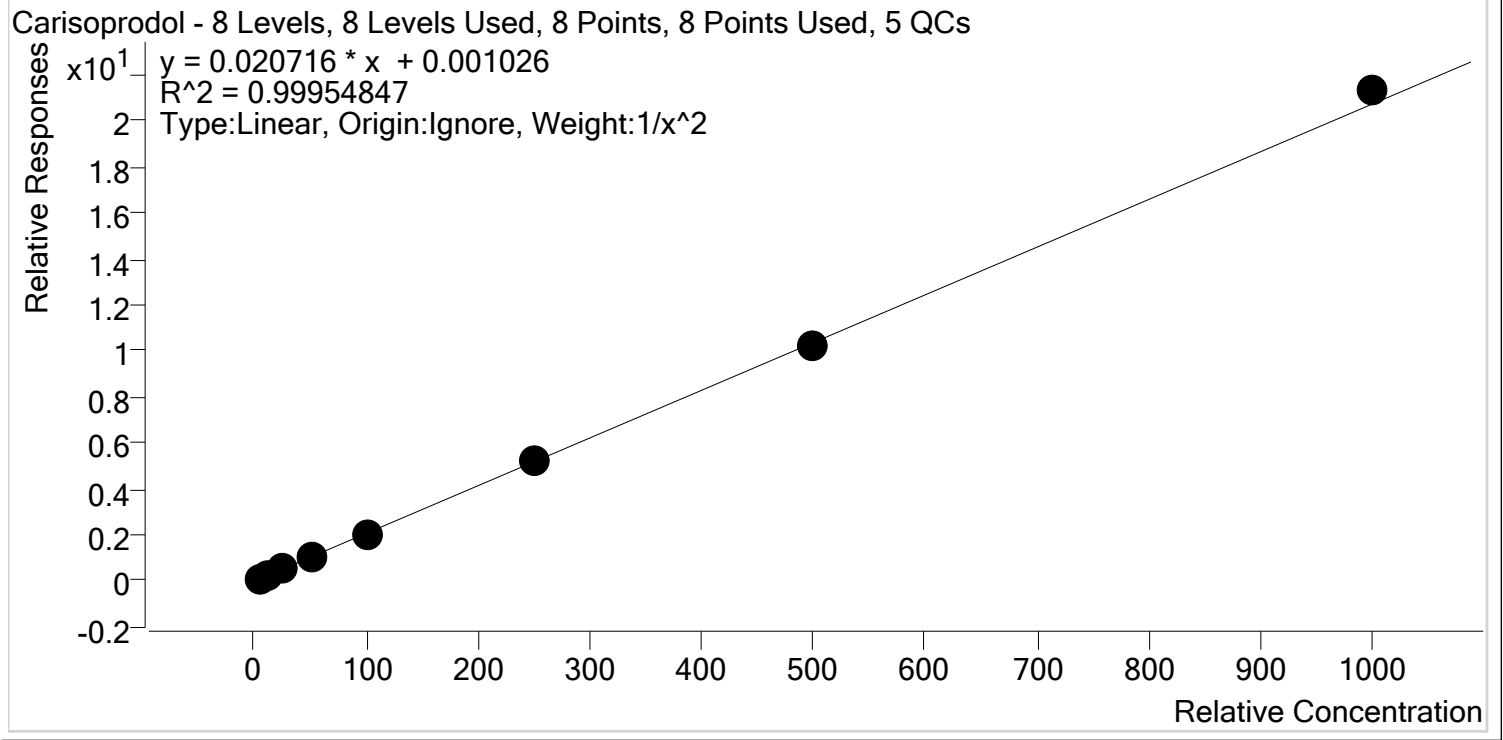


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	504.4	100.9
p1 Cal 8-1000ng	8	✓	1000.0	990.6	99.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

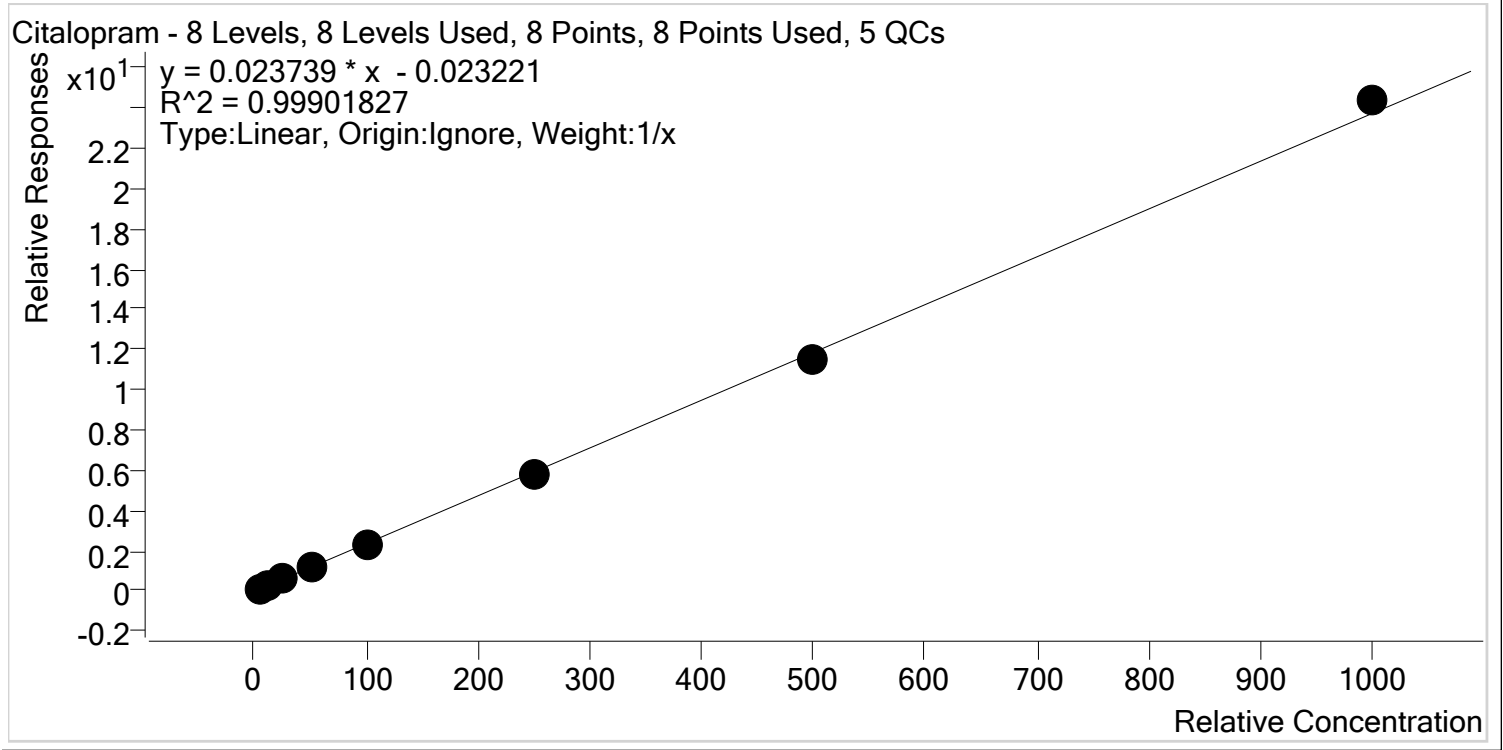


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1028.3	102.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

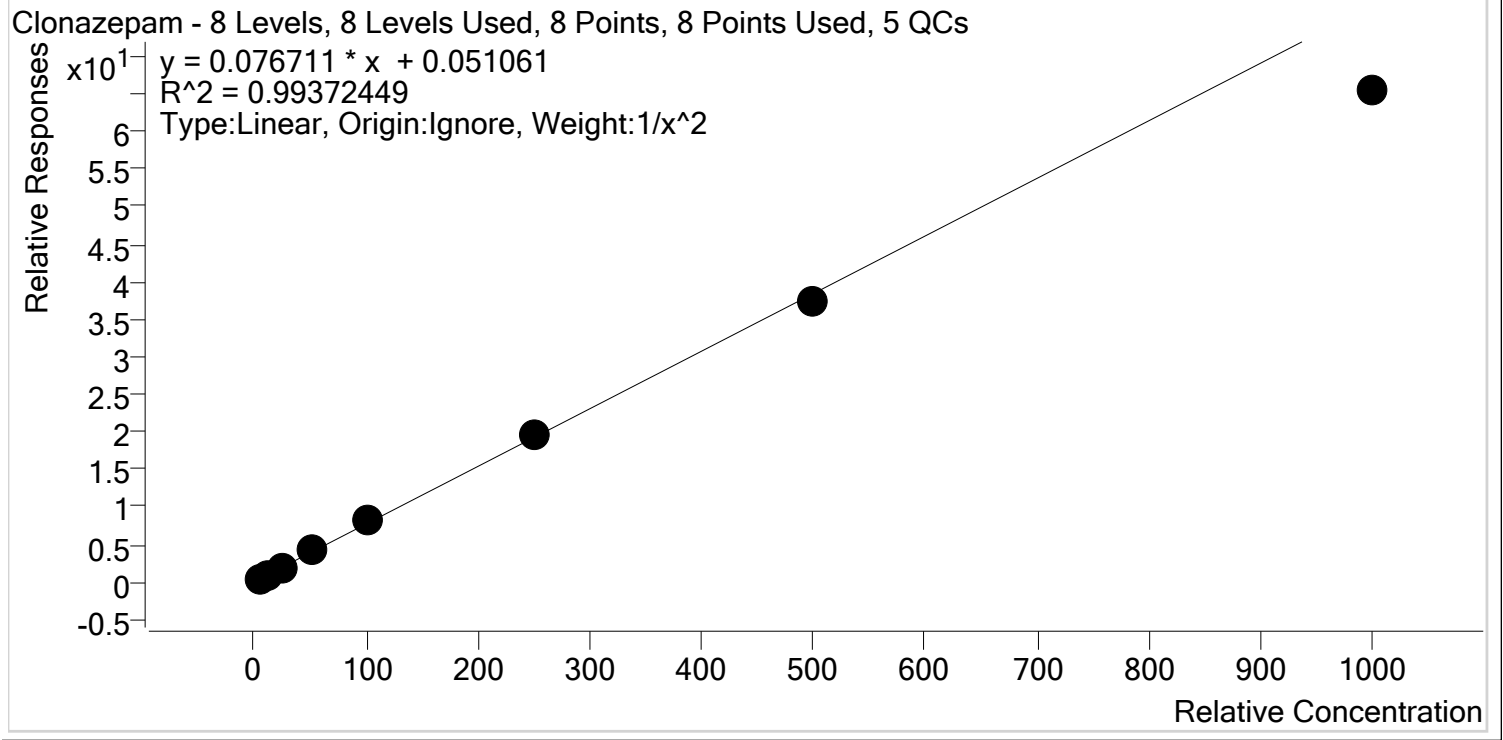


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1027.0	102.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

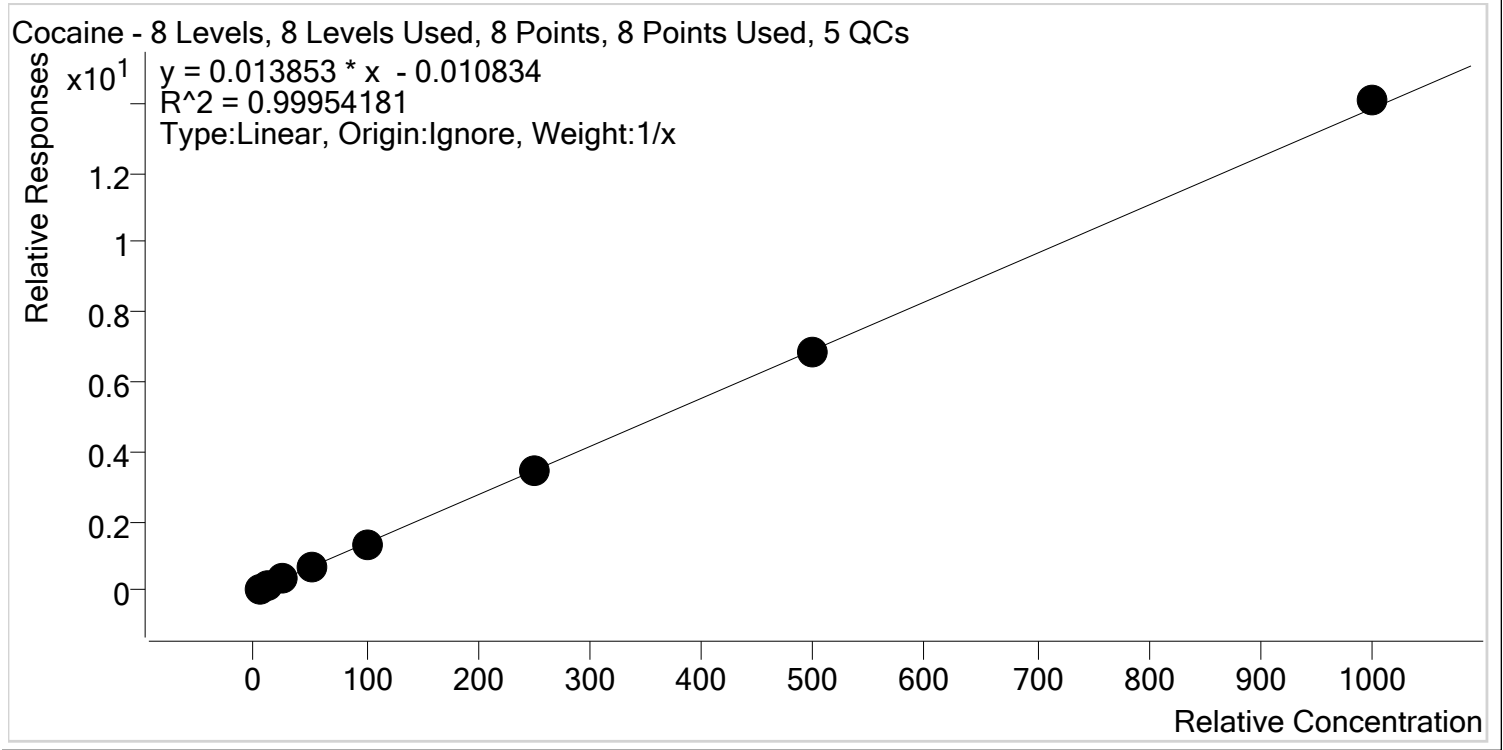


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	489.0	97.8
p1 Cal 8-1000ng	8	✓	1000.0	852.6	85.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

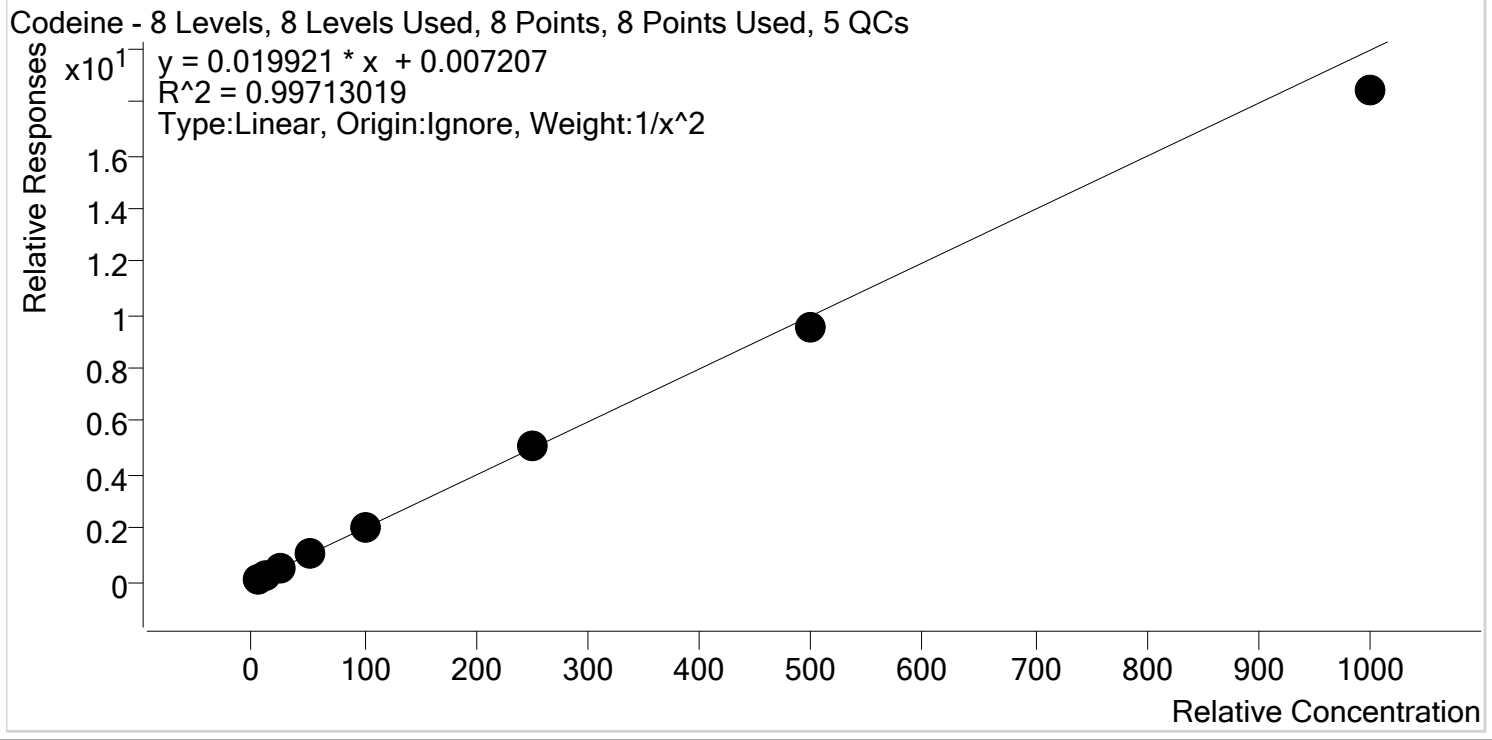


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.6	101.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

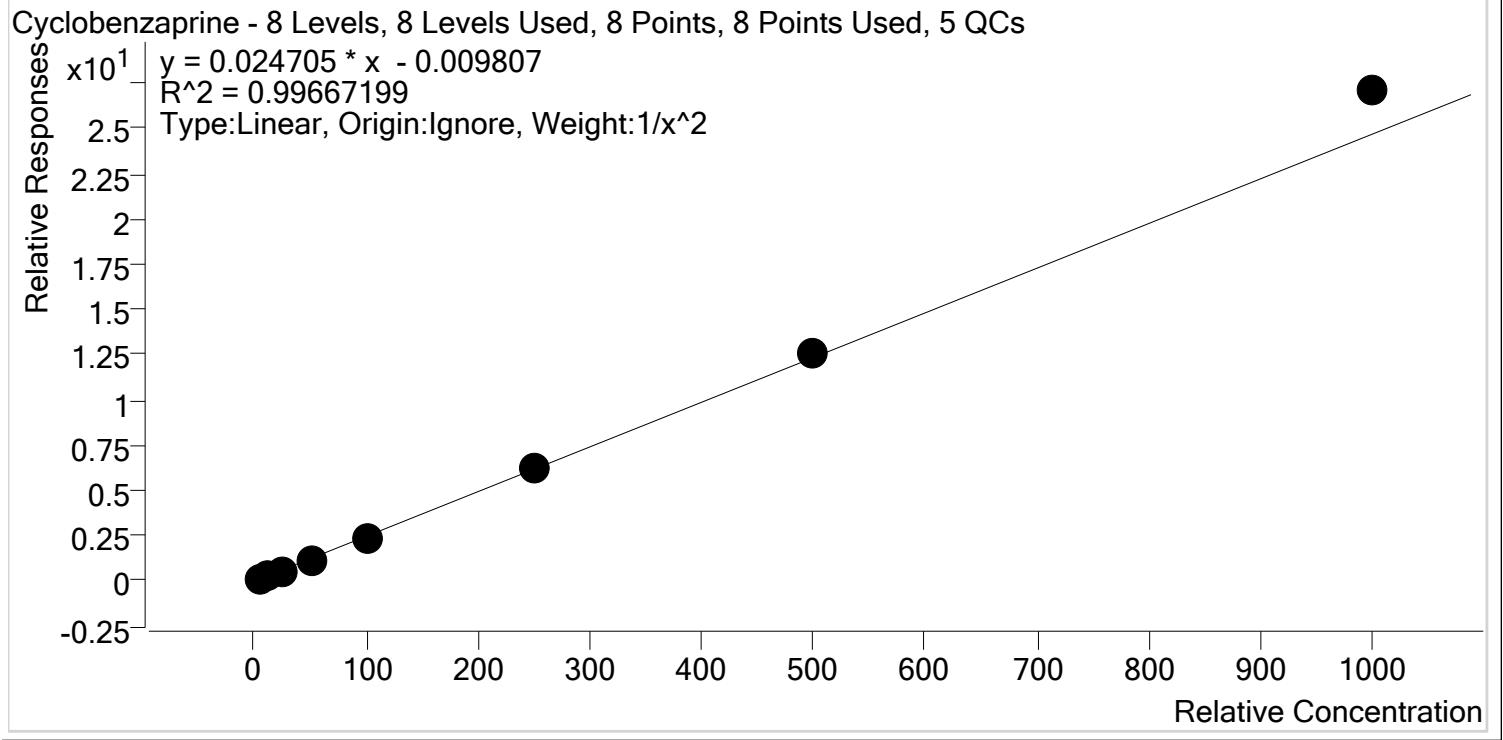


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	481.8	96.4
p1 Cal 8-1000ng	8	✓	1000.0	923.9	92.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

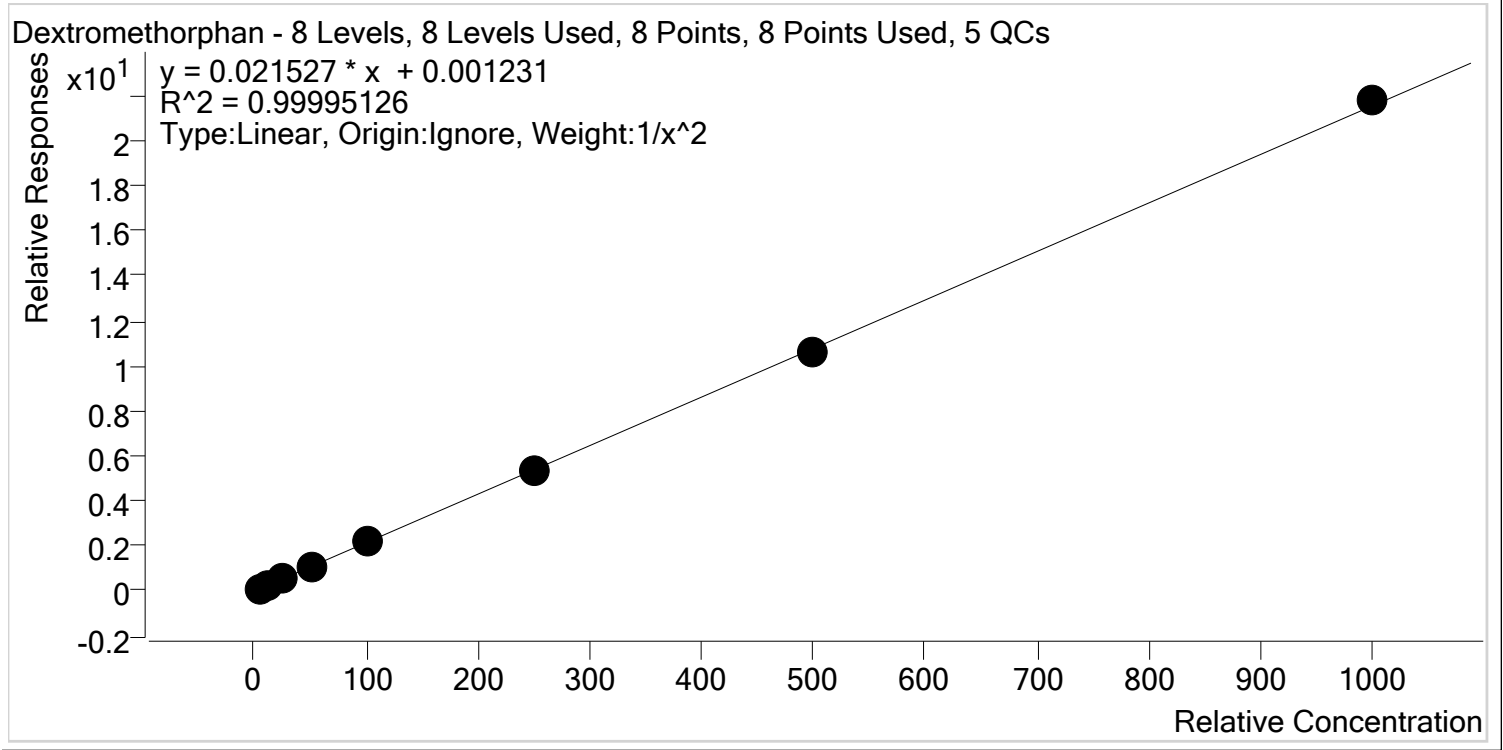


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	506.7	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1097.6	109.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

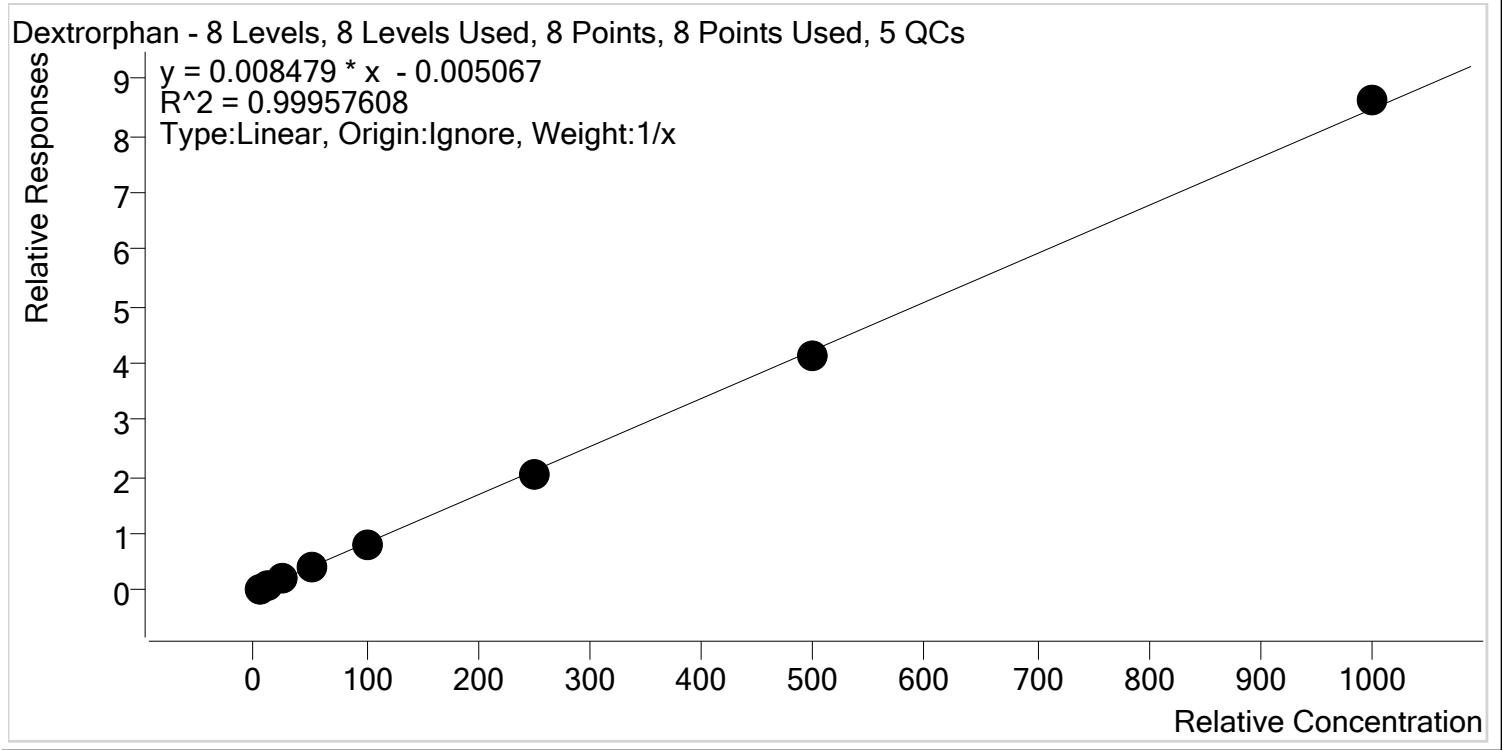


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

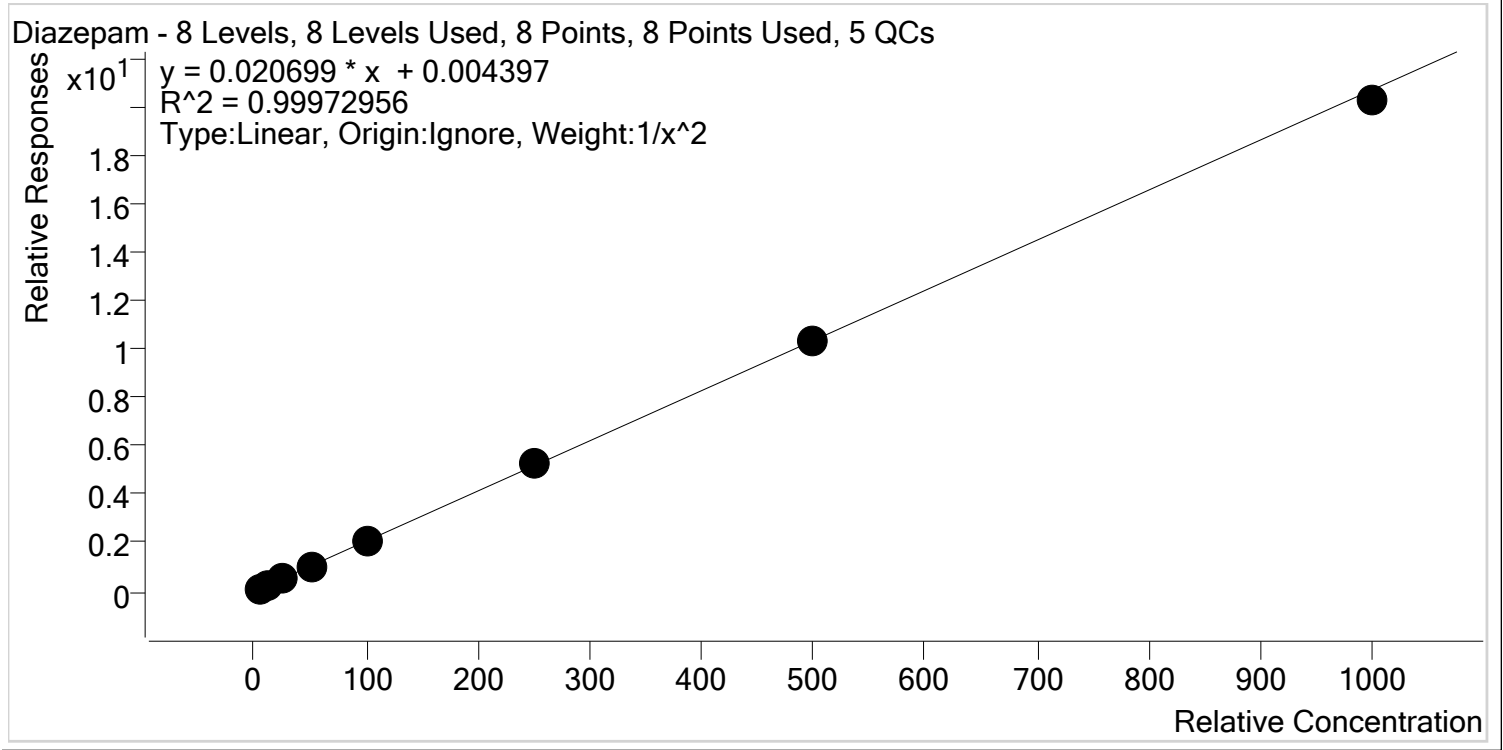


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1017.5	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

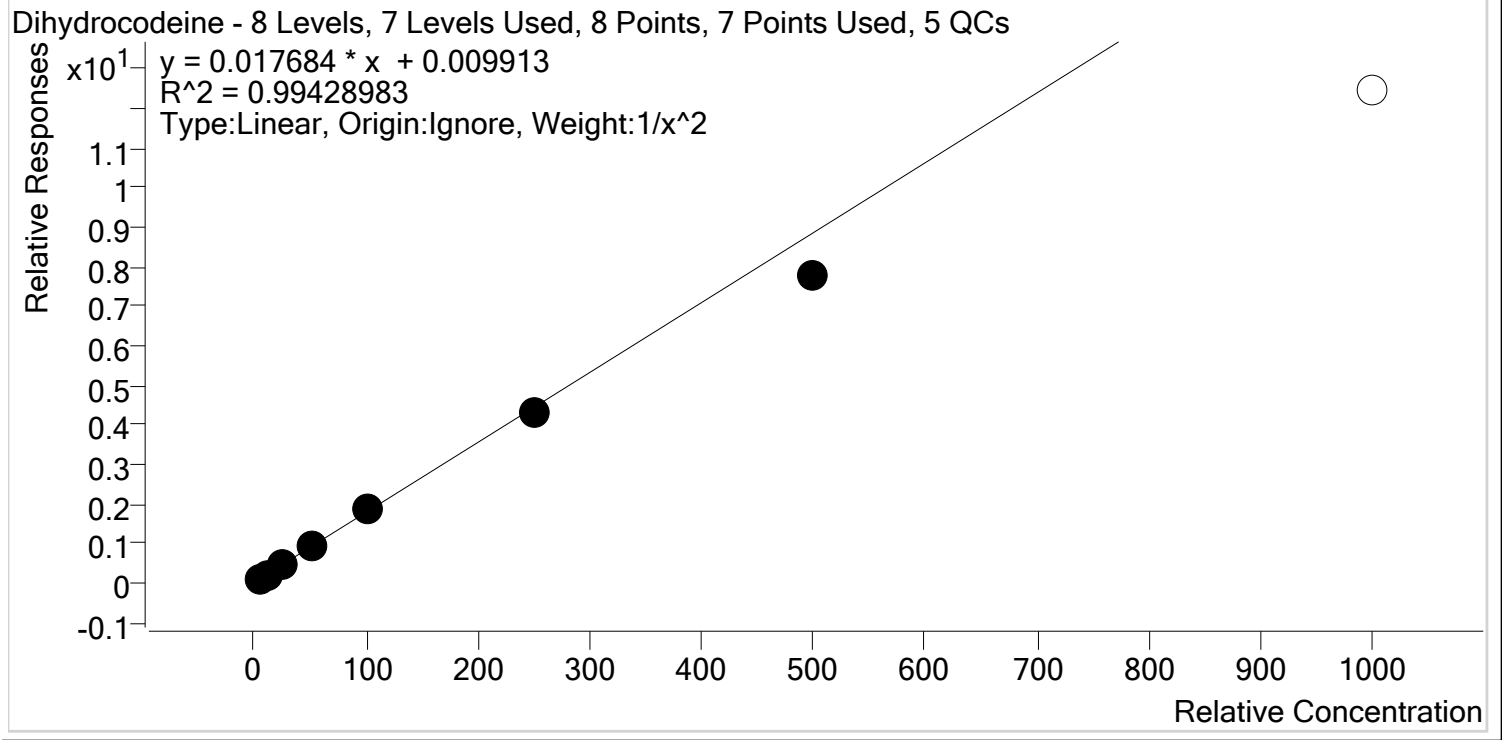


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	978.6	97.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



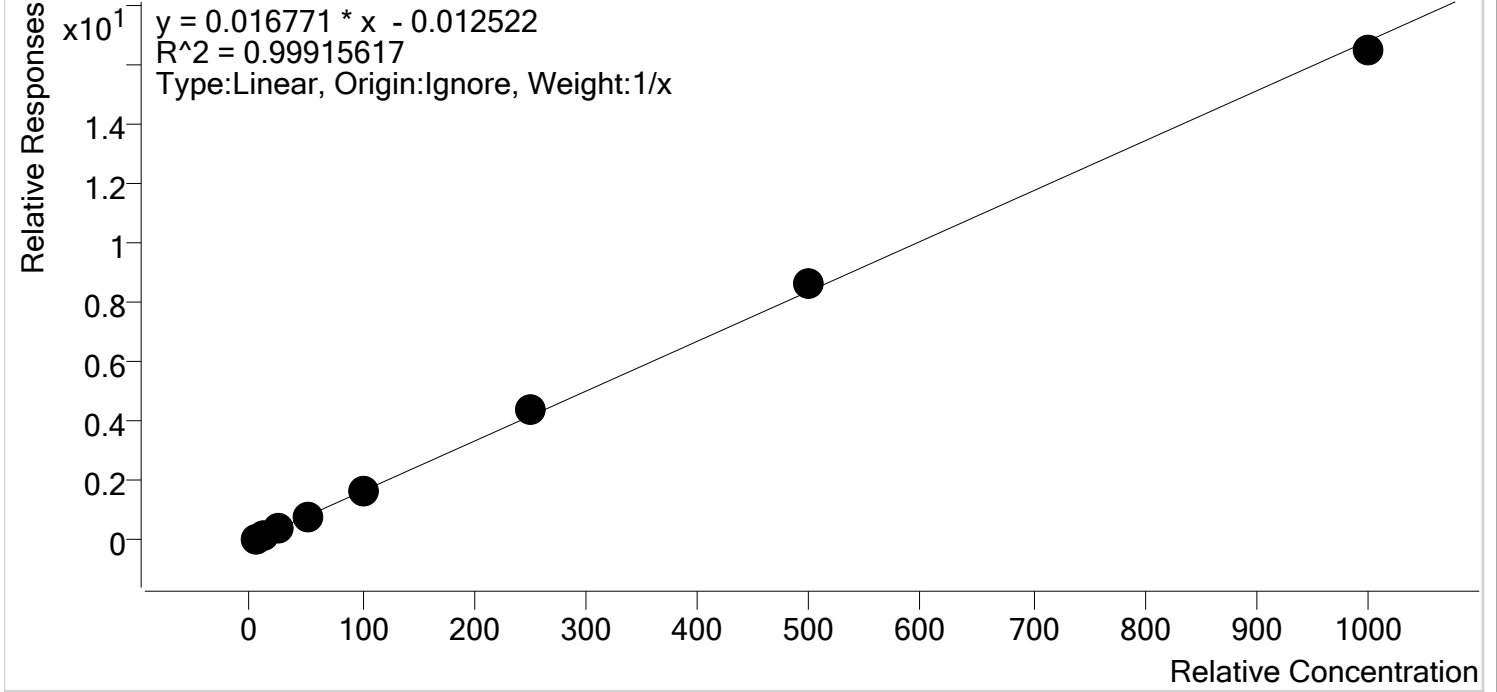
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	438.2	87.6
p1 Cal 8-1000ng	8	✗	1000.0	703.4	70.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

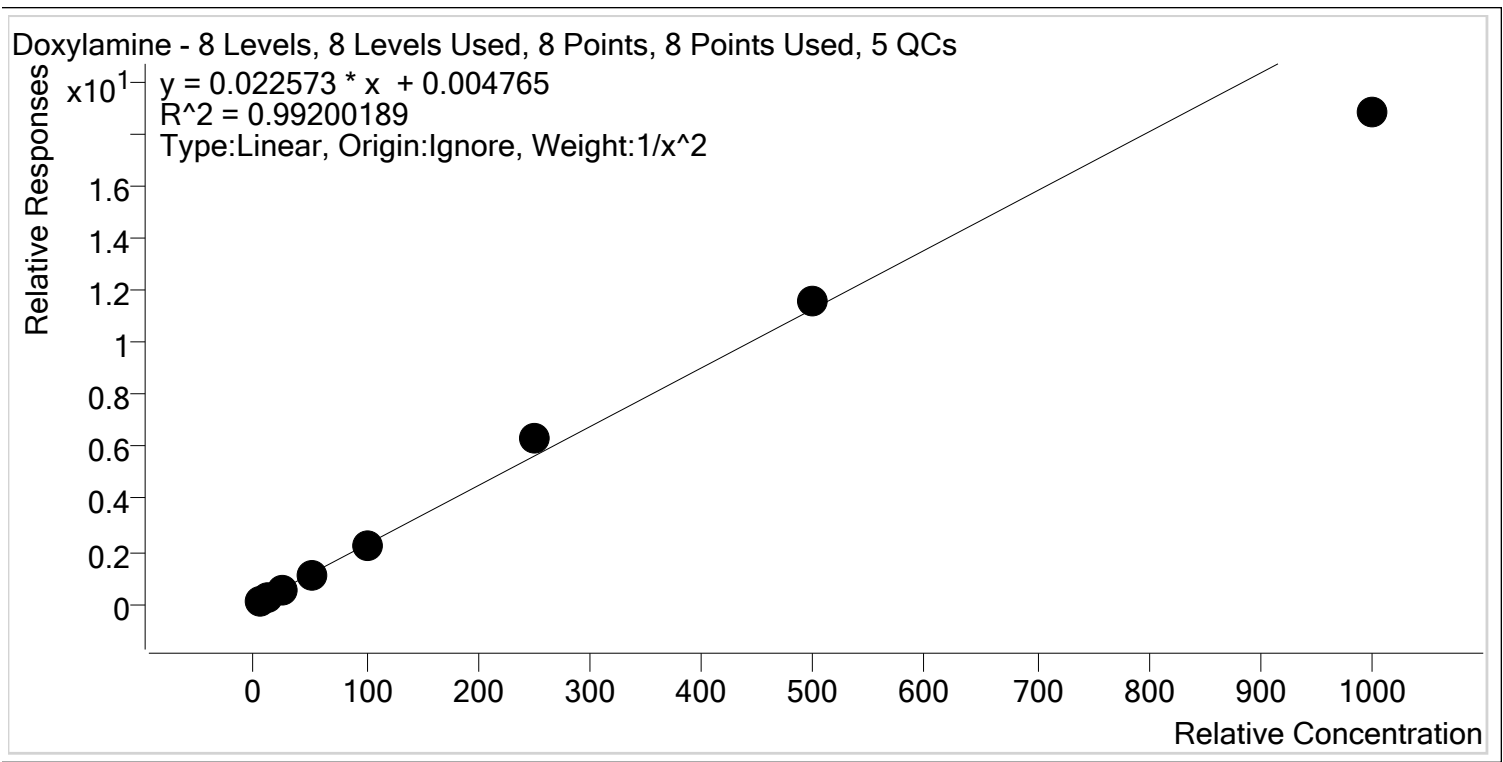


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	515.1	103.0
p1 Cal 8-1000ng	8	✓	1000.0	980.6	98.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



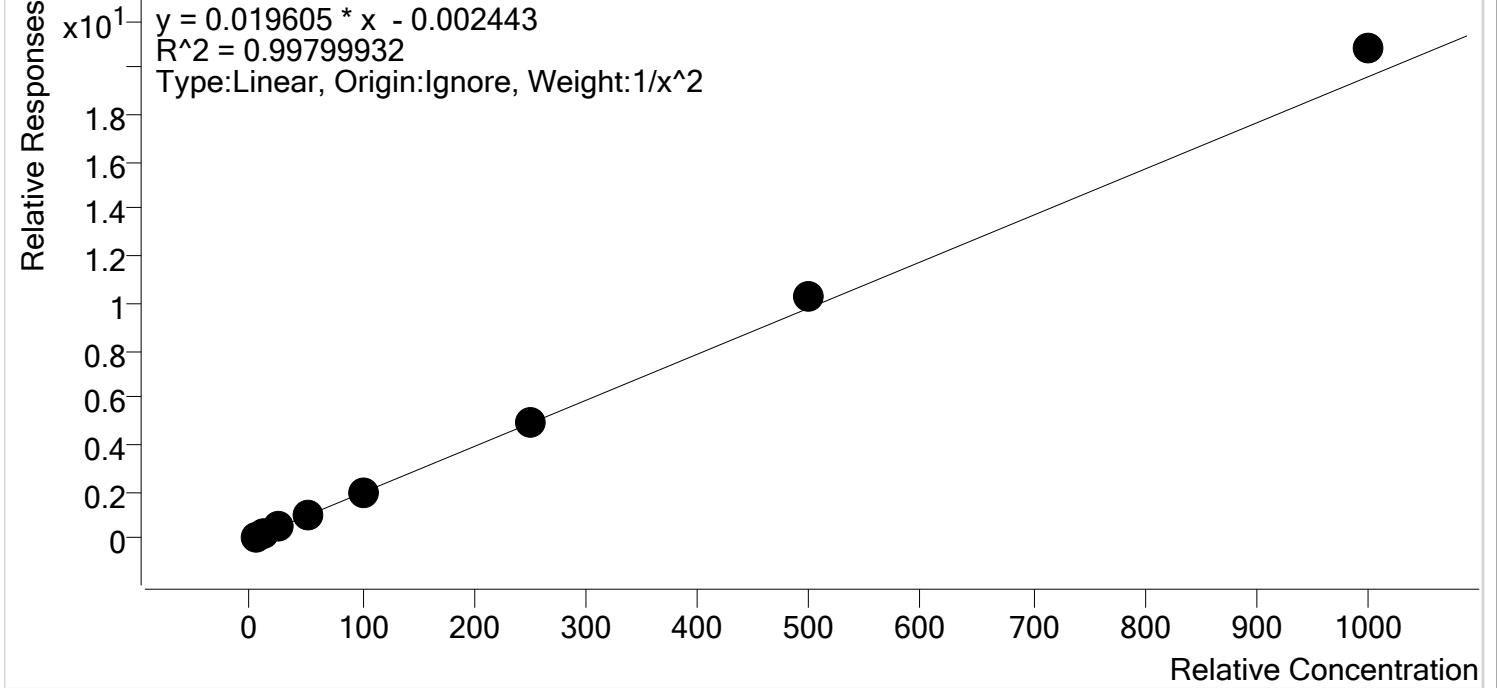
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	278.8	111.5
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	833.0	83.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

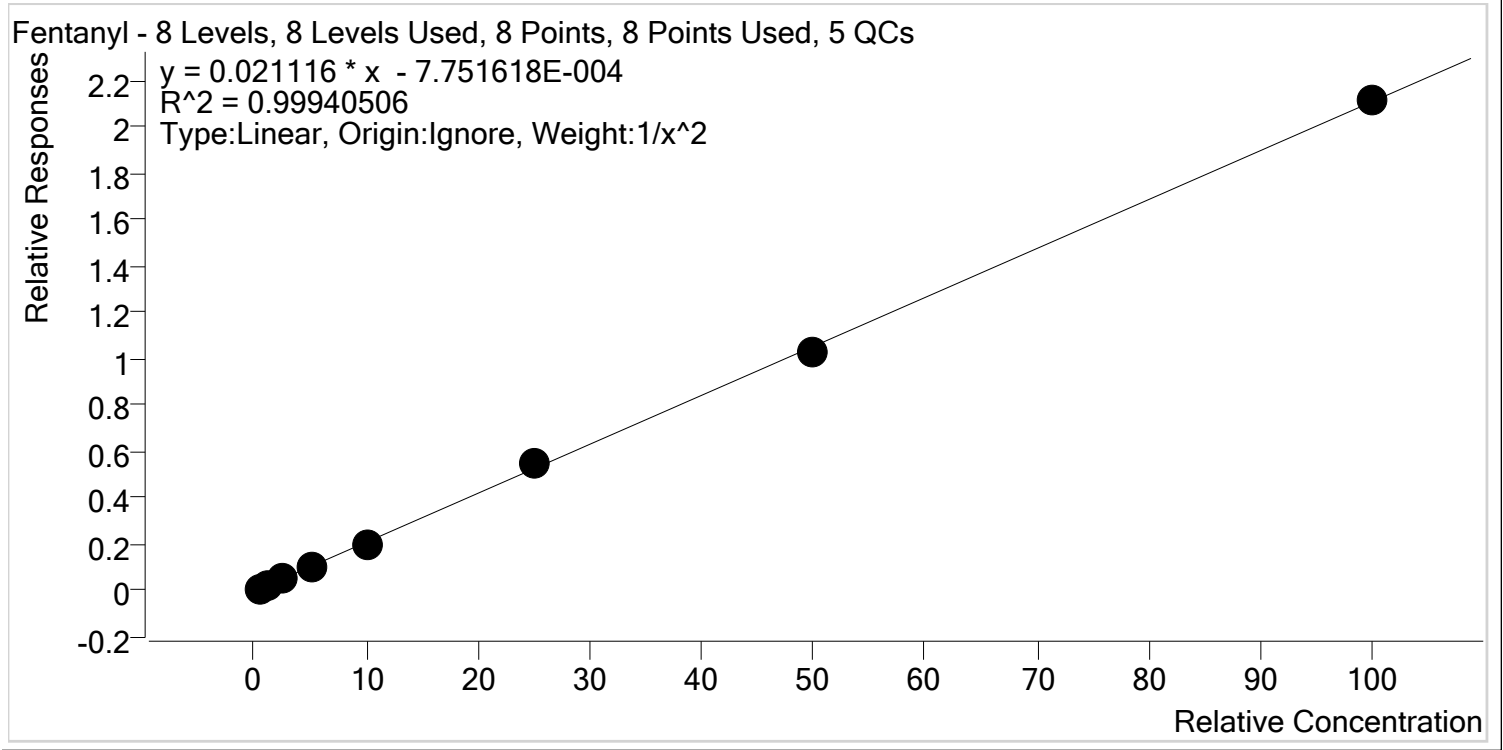


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	522.6	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1060.9	106.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

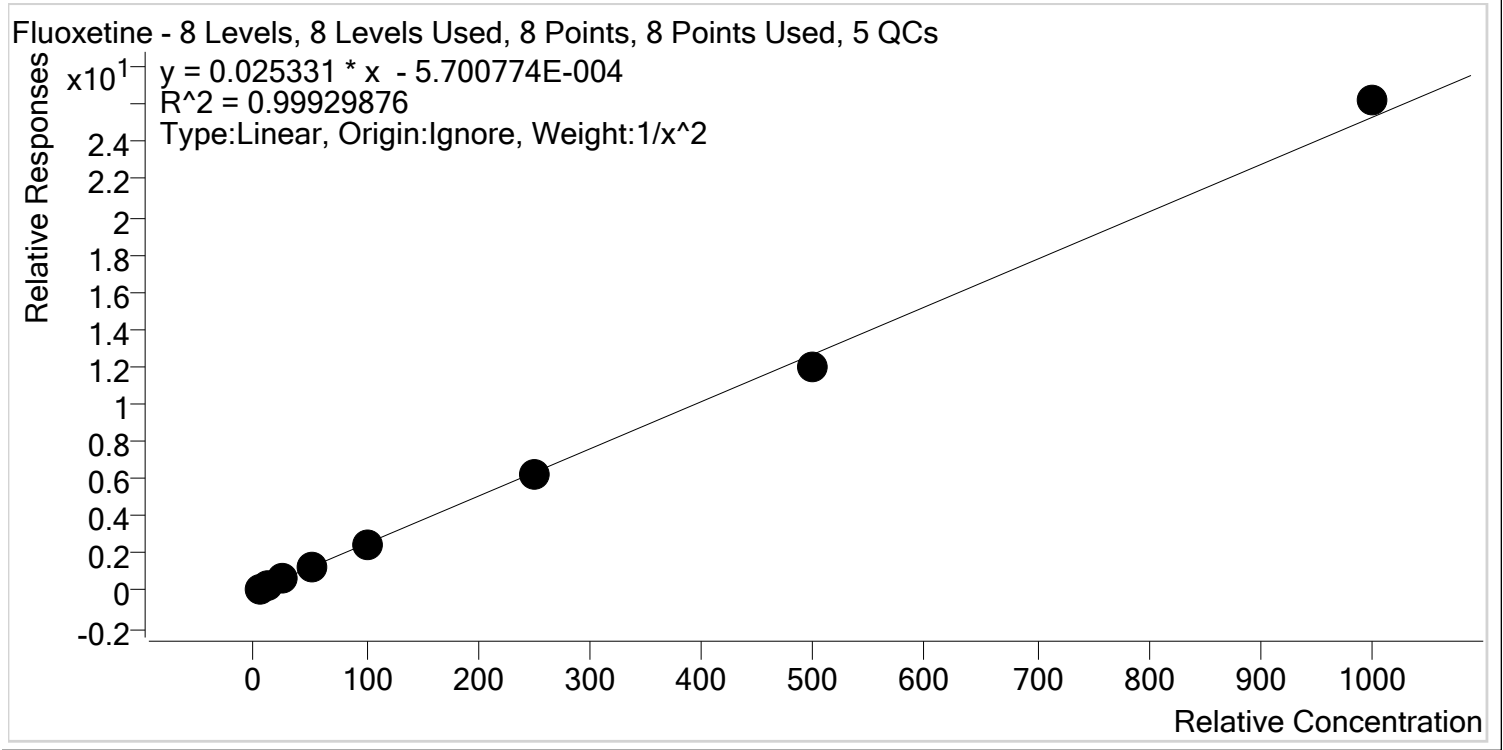


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.5
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	25.8	103.2
p1 Cal 7-500ng	7	✓	50.0	49.0	98.1
p1 Cal 8-1000ng	8	✓	100.0	100.2	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

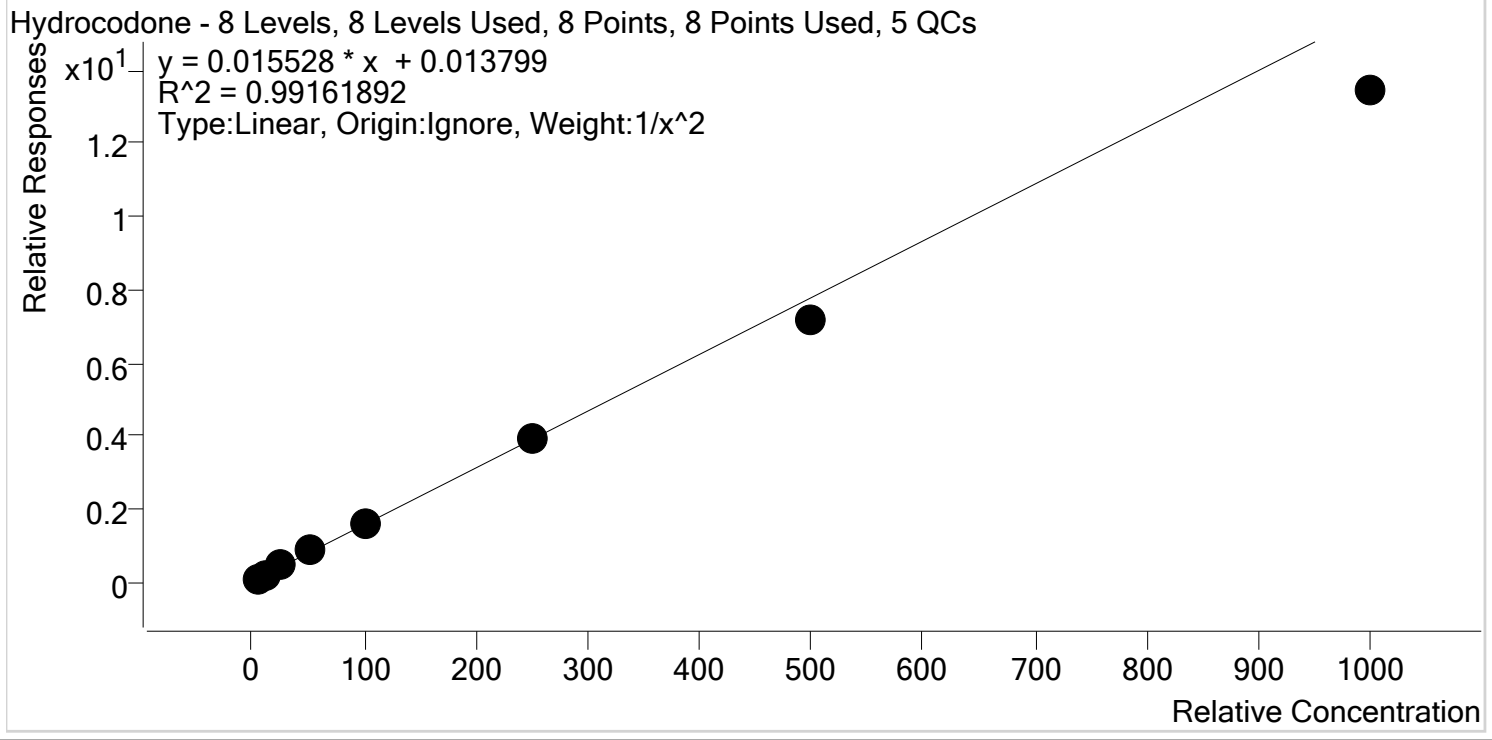


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	1035.3	103.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

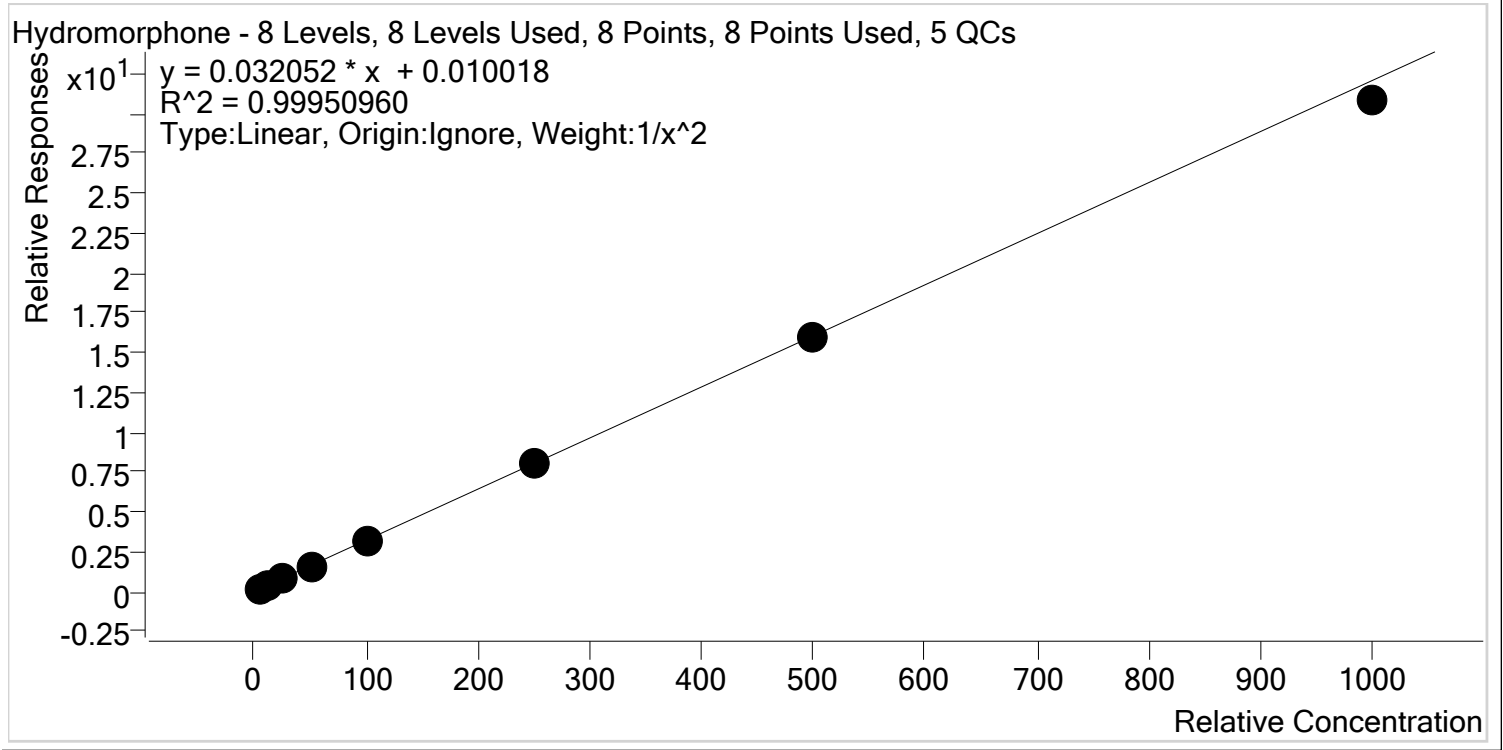


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	462.0	92.4
p1 Cal 8-1000ng	8	✓	1000.0	864.8	86.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

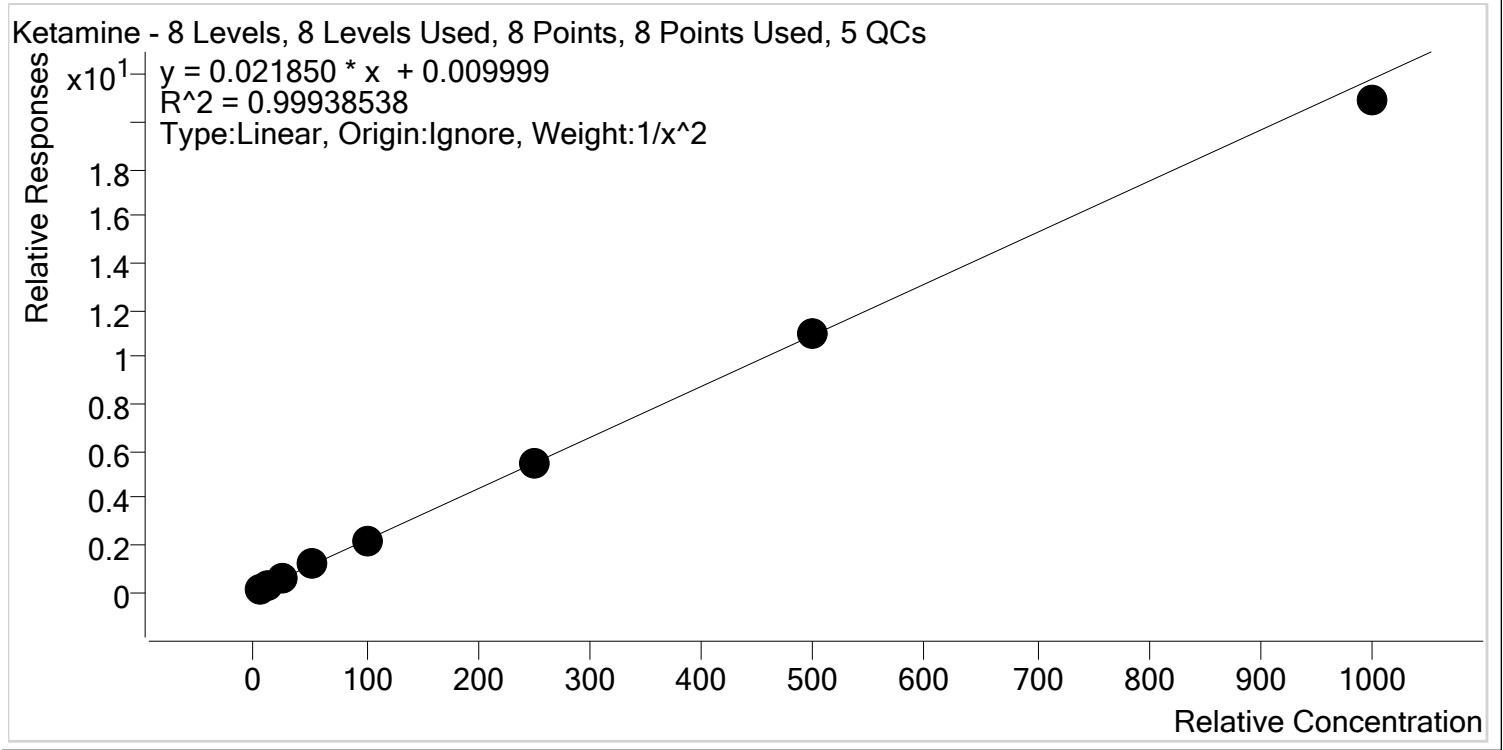


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	960.7	96.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



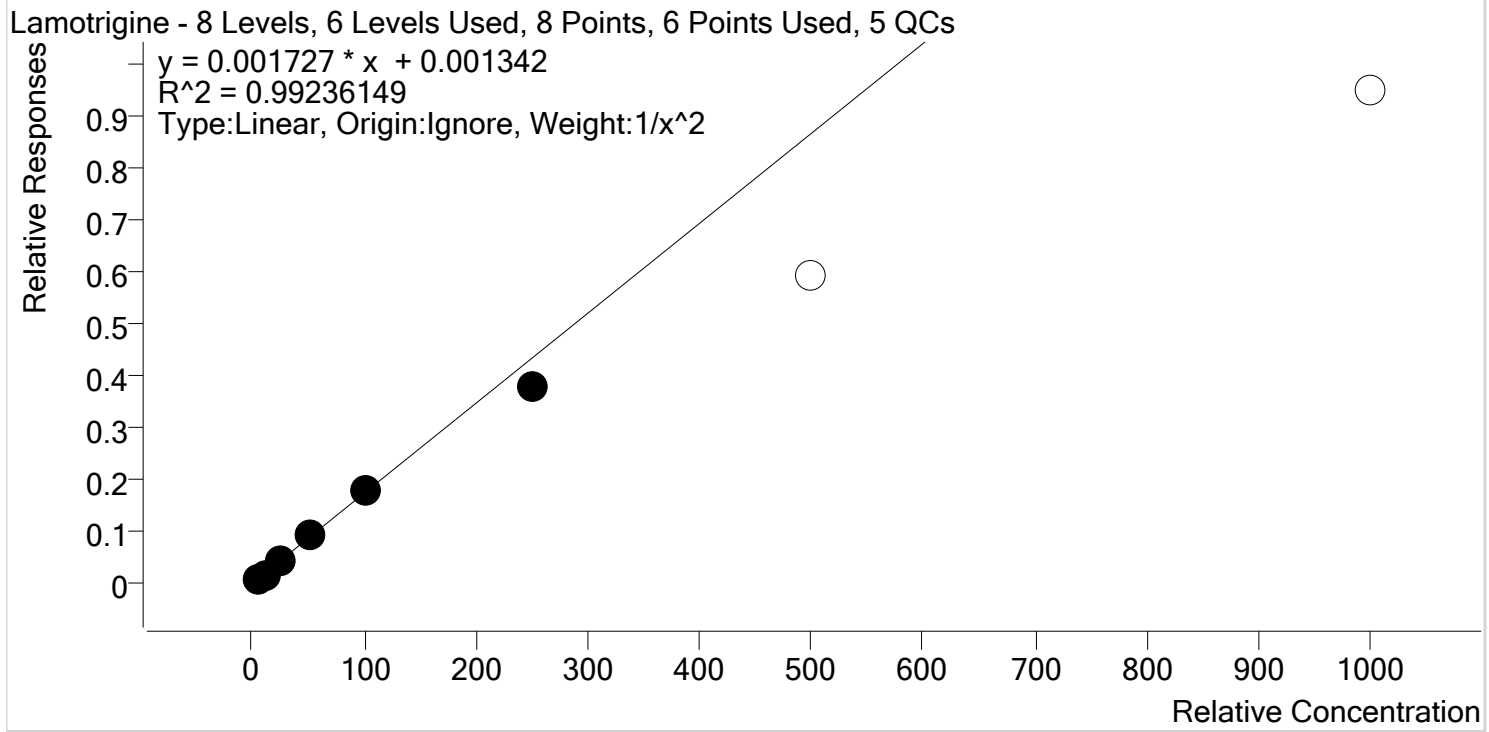
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	957.8	95.8

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

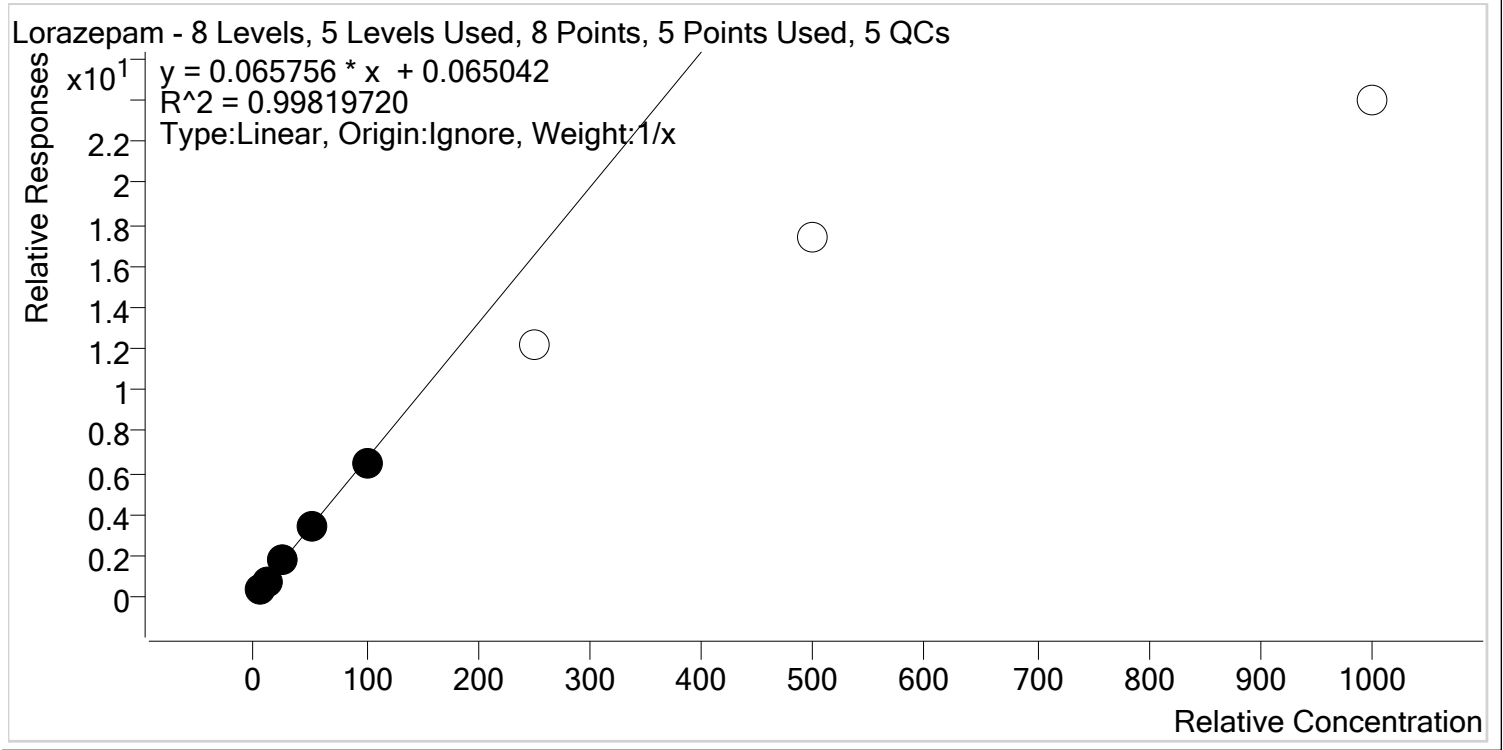


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	218.7	87.5
p1 Cal 7-500ng	7	x	500.0	343.5	68.7
p1 Cal 8-1000ng	8	x	1000.0	547.6	54.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

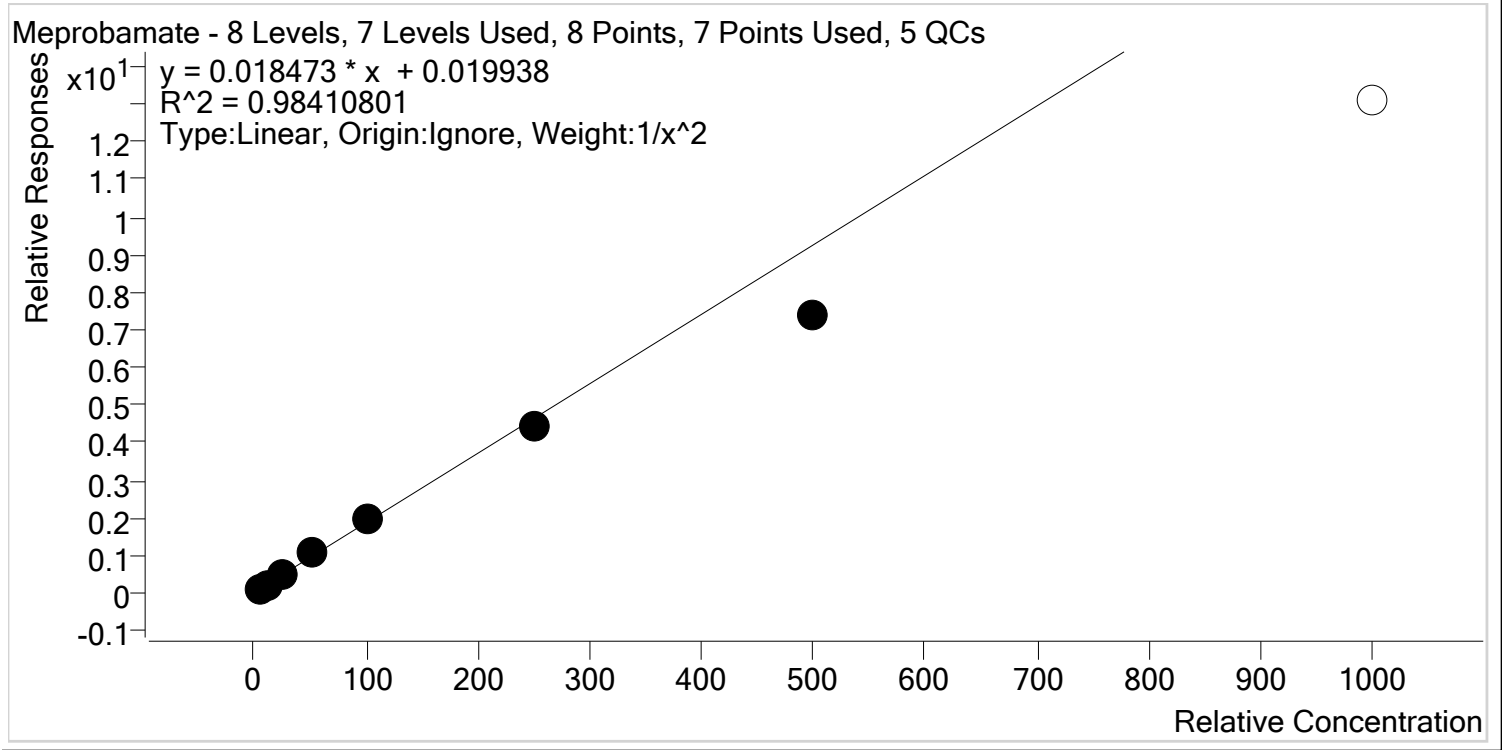


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	x	250.0	184.0	73.6
p1 Cal 7-500ng	7	x	500.0	263.8	52.8
p1 Cal 8-1000ng	8	x	1000.0	364.1	36.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



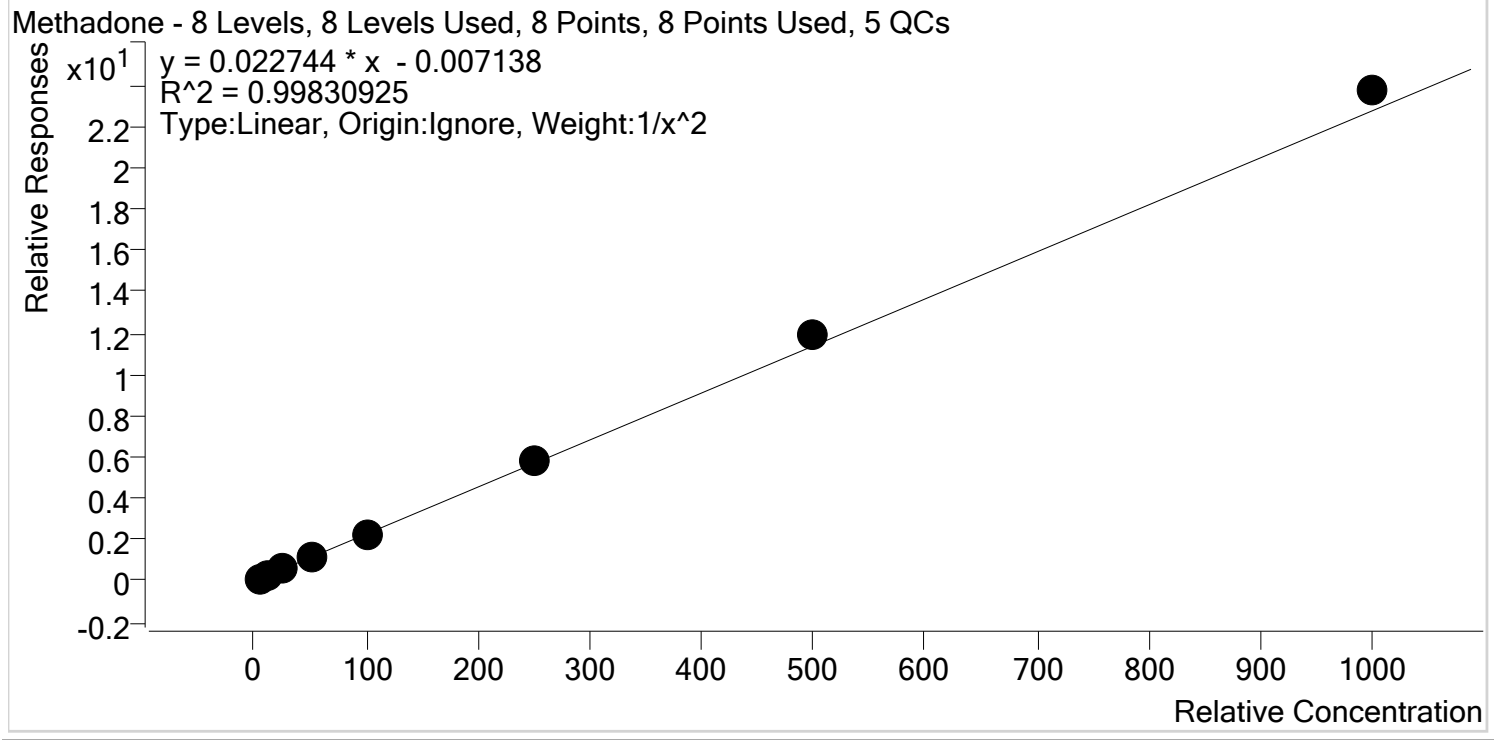
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	56.1	112.3
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	236.4	94.6
p1 Cal 7-500ng	7	✓	500.0	401.6	80.3
p1 Cal 8-1000ng	8	✗	1000.0	707.8	70.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

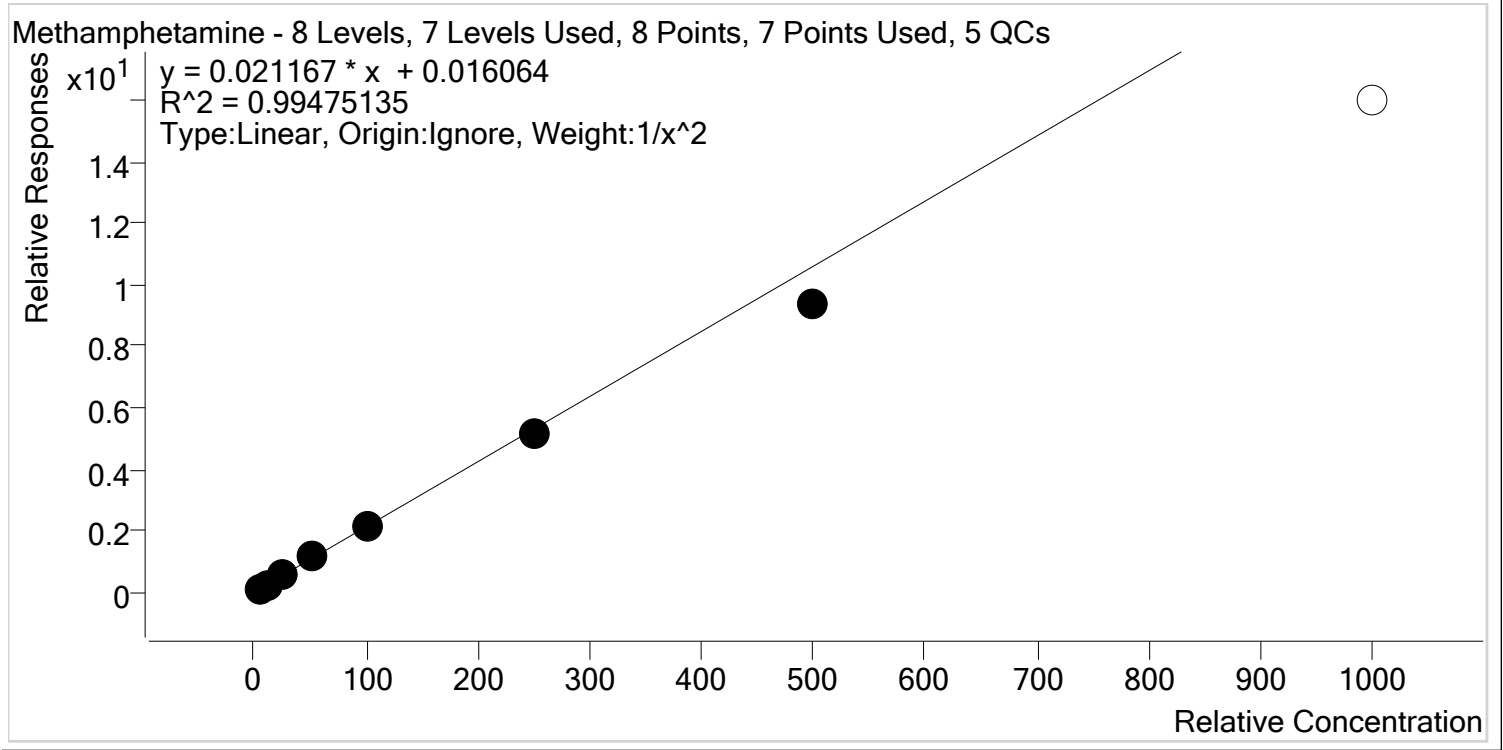


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

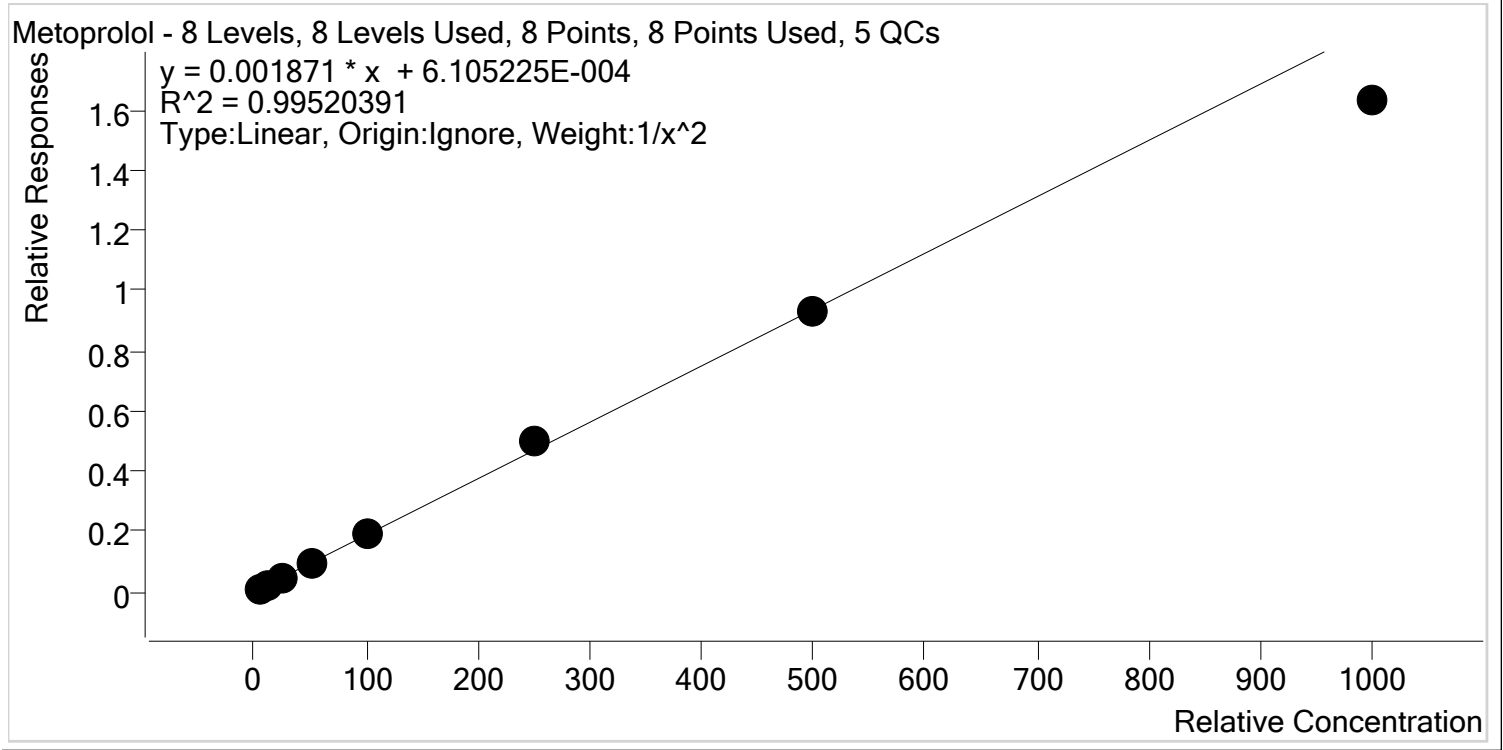


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	441.0	88.2
p1 Cal 8-1000ng	8	✗	1000.0	754.4	75.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

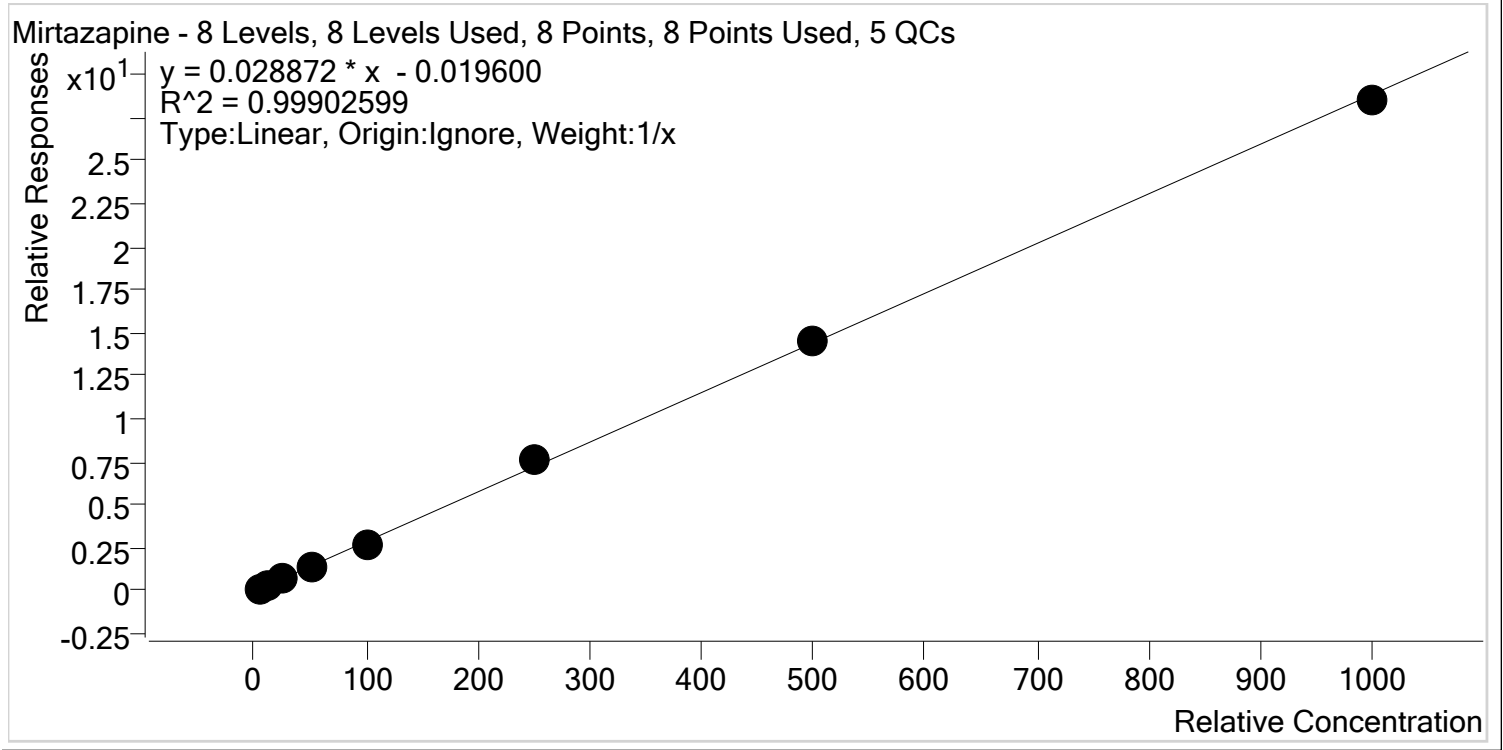


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	263.6	105.4
p1 Cal 7-500ng	7	✓	500.0	495.6	99.1
p1 Cal 8-1000ng	8	✓	1000.0	870.7	87.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

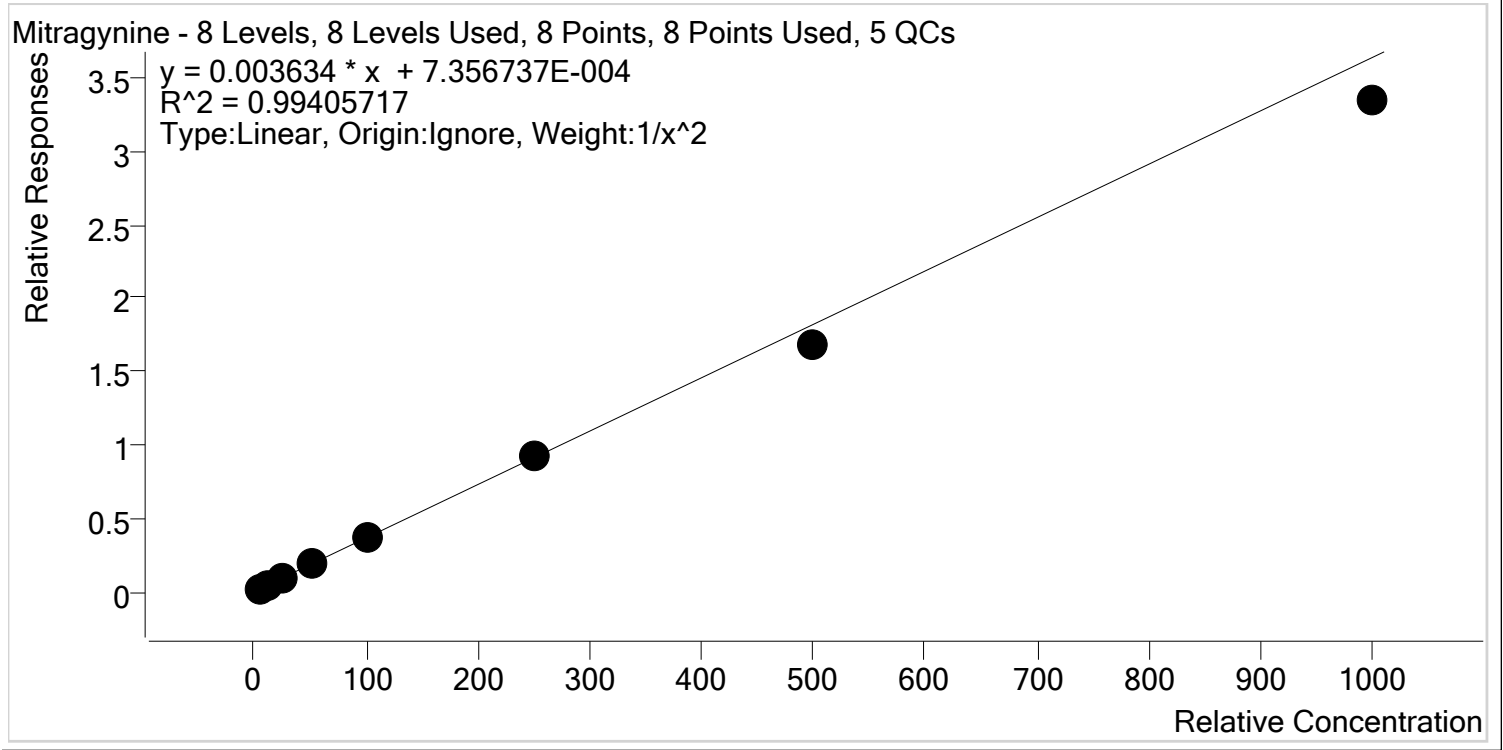


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	266.8	106.7
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	987.8	98.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

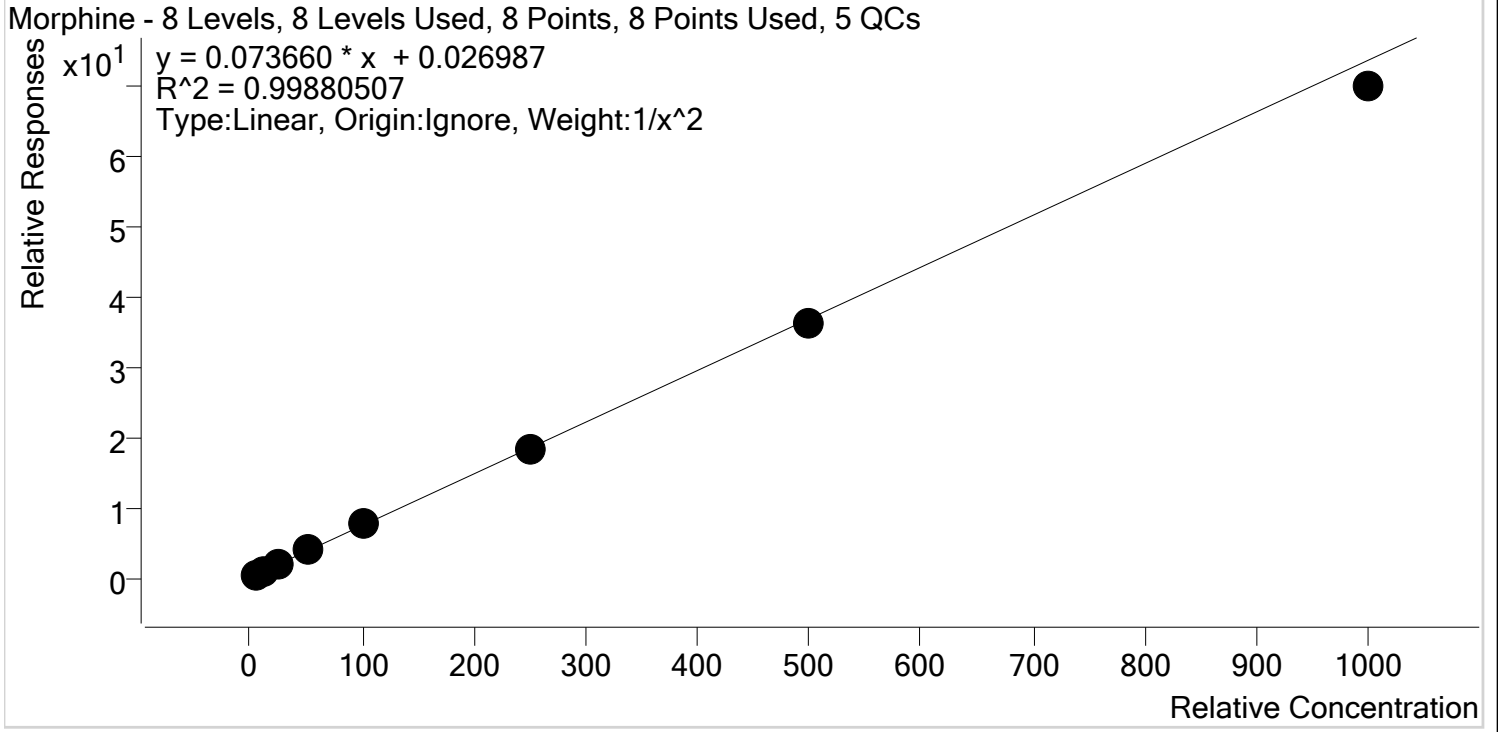


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2- 10ng	2	✓	10.0	10.9	109.2
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	459.8	92.0
p1 Cal 8-1000ng	8	✓	1000.0	919.4	91.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

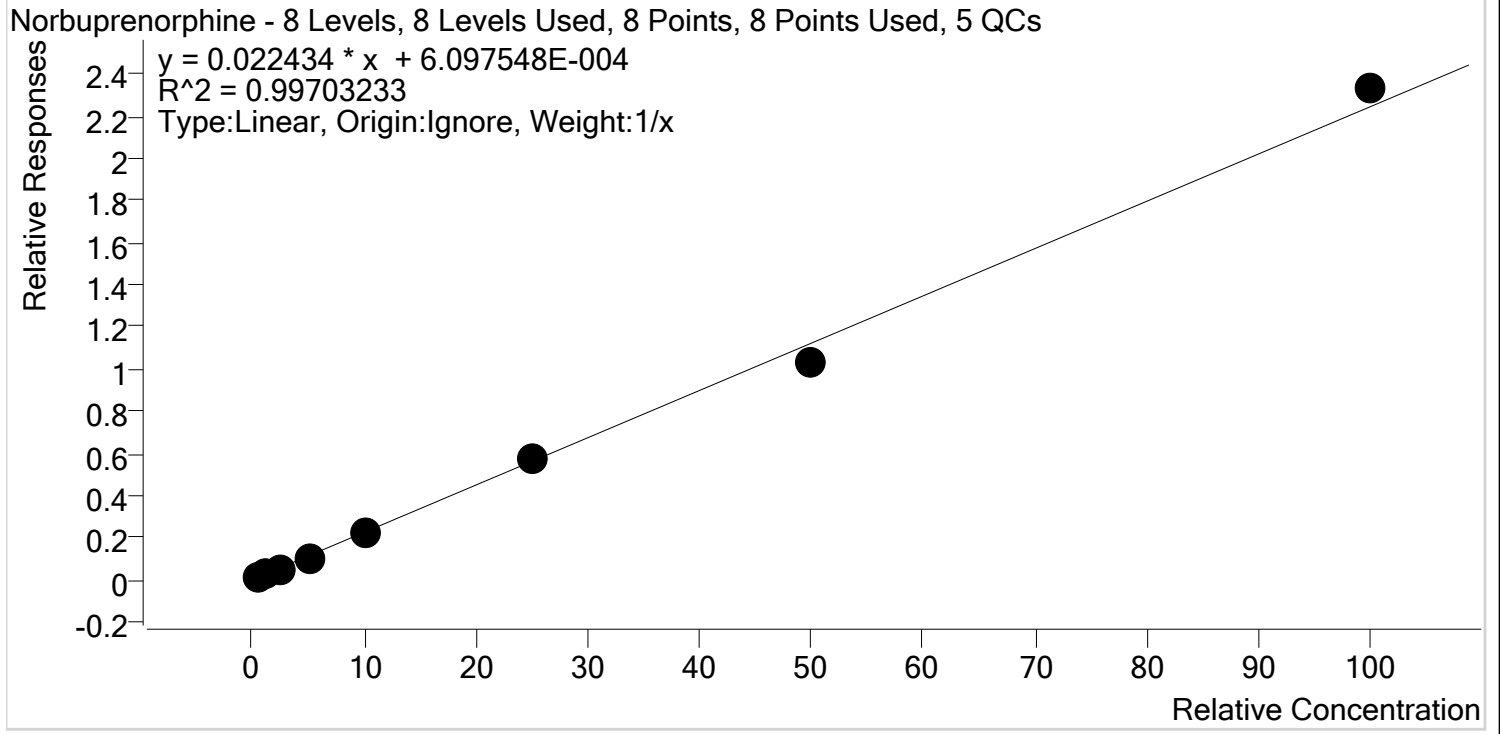


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	949.1	94.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

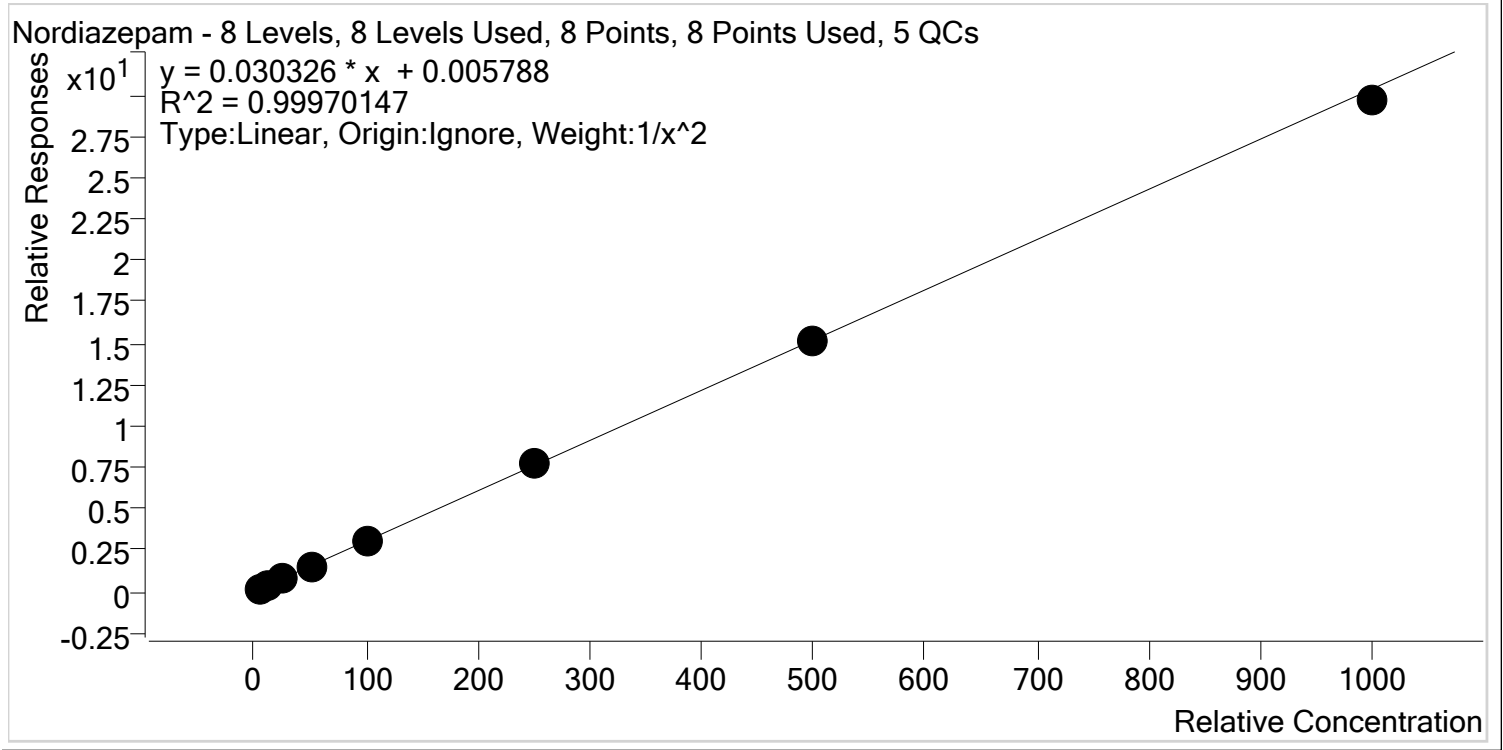


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	122.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.4	88.7
p1 Cal 5-100ng	5	✓	10.0	9.9	98.9
p1 Cal 6-250ng	6	✓	25.0	25.6	102.2
p1 Cal 7-500ng	7	✓	50.0	46.3	92.6
p1 Cal 8-1000ng	8	✓	100.0	103.8	103.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



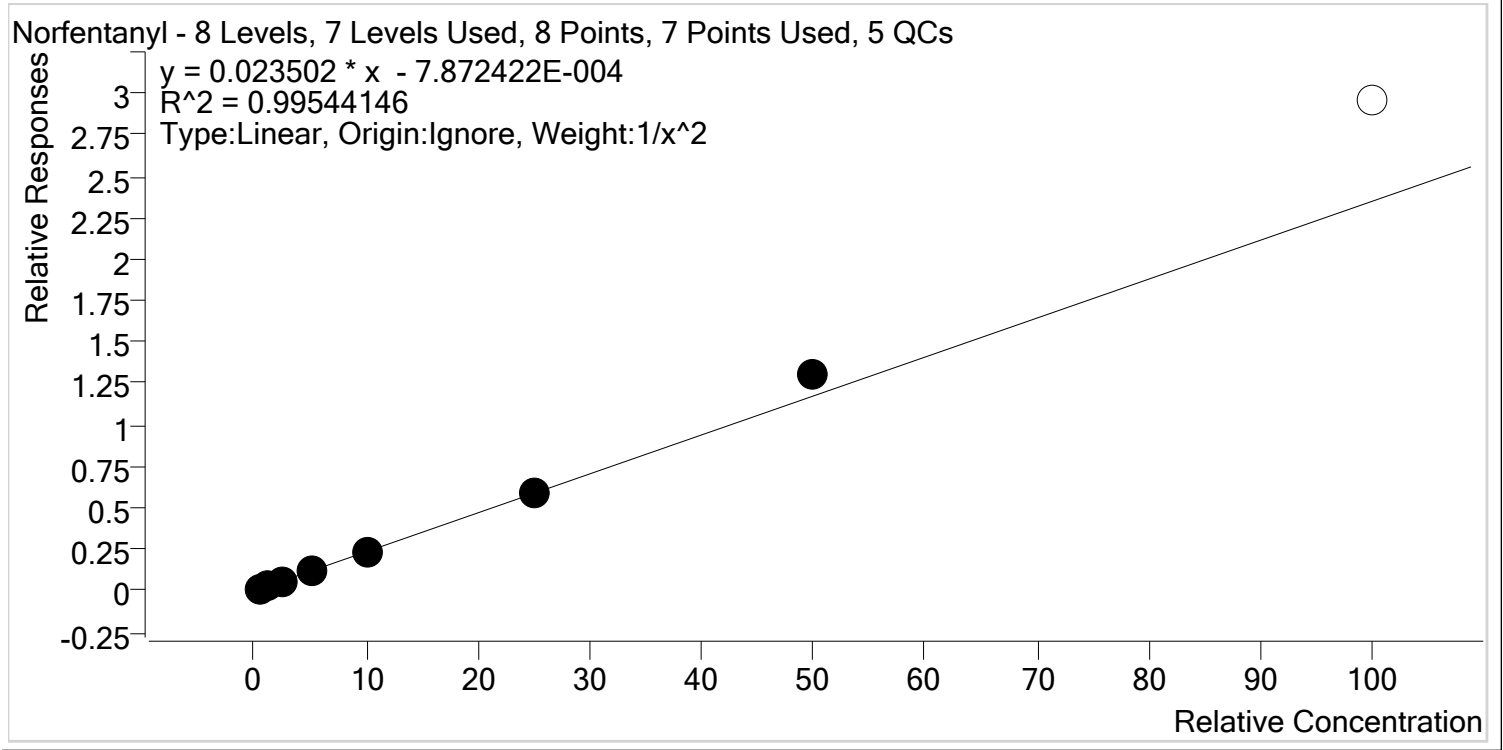
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	976.8	97.7

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 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	0.5	103.7
p1 Cal 2- 10ng	2	✓	1.0	0.9	95.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.5
p1 Cal 4-50ng	4	✓	5.0	4.9	97.5
p1 Cal 5-100ng	5	✓	10.0	9.6	95.7
p1 Cal 6-250ng	6	✓	25.0	25.6	102.2
p1 Cal 7-500ng	7	✓	50.0	55.2	110.4
p1 Cal 8-1000ng	8	x	100.0	125.9	125.9

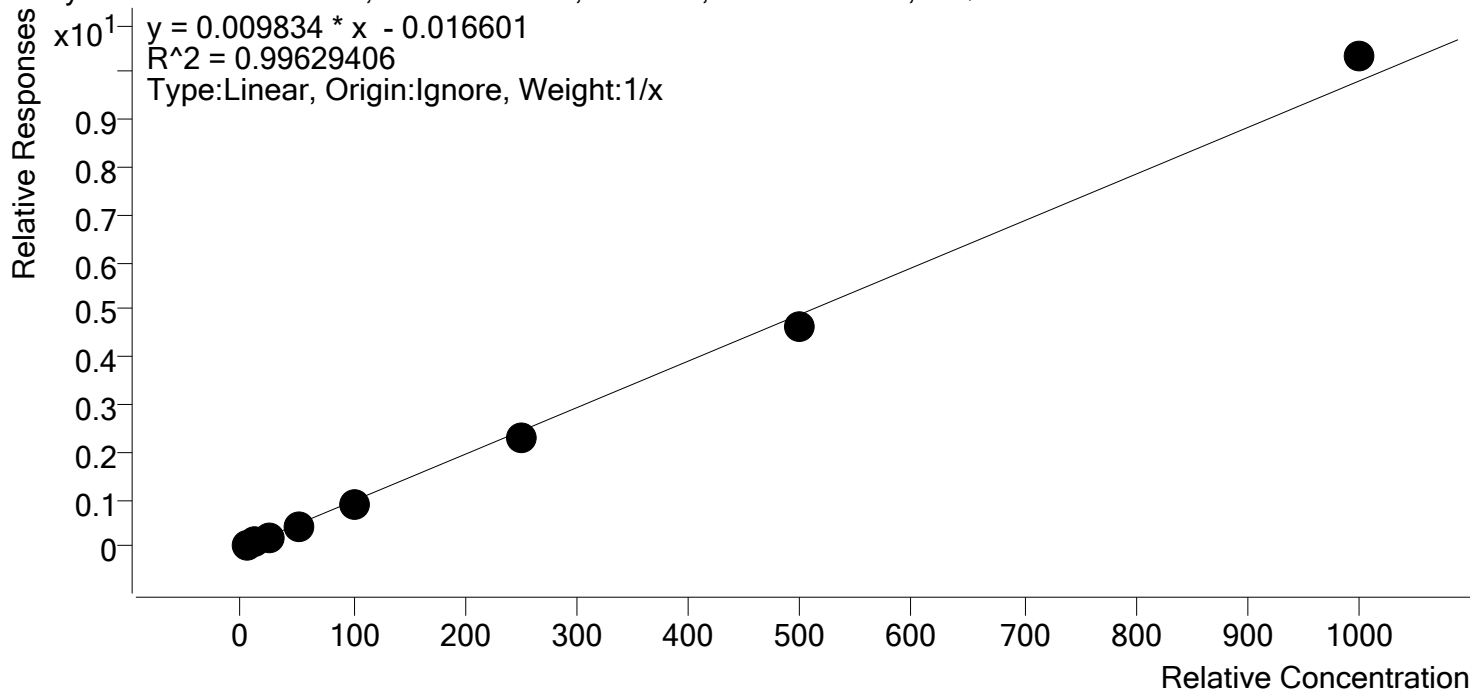
g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

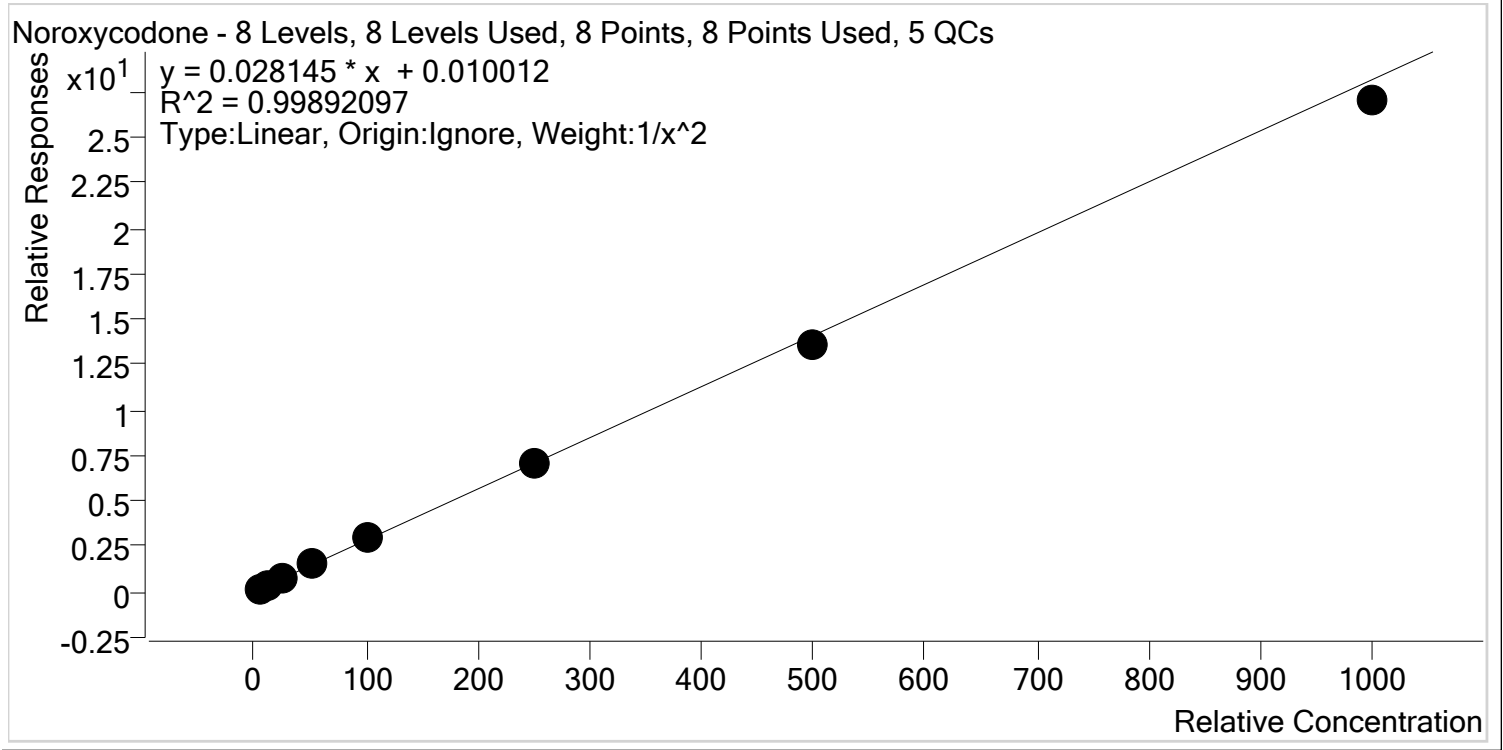


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.4	127.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.6
p1 Cal 4-50ng	4	✓	50.0	44.2	88.5
p1 Cal 5-100ng	5	✓	100.0	91.4	91.4
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	474.5	94.9
p1 Cal 8-1000ng	8	✓	1000.0	1052.2	105.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

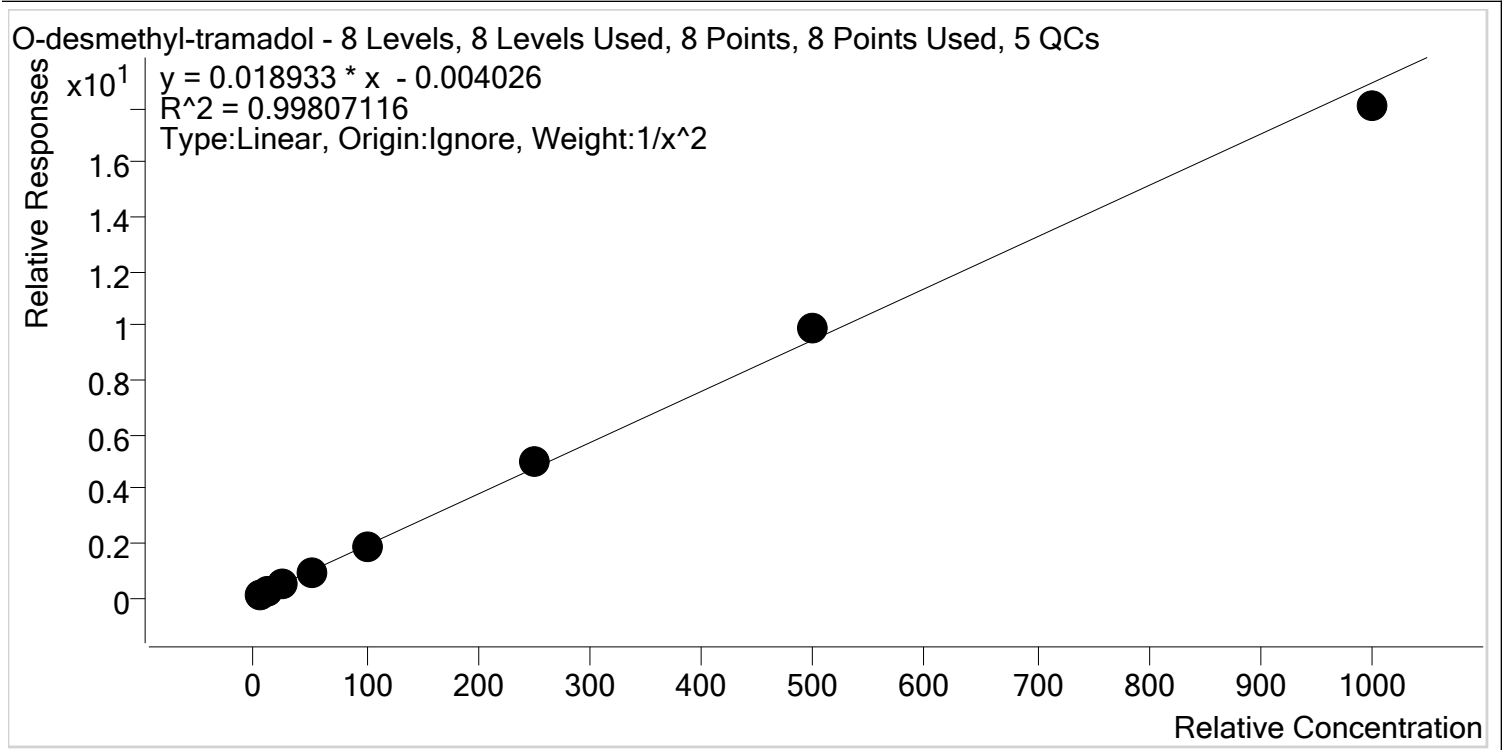


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✓	1000.0	959.1	95.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

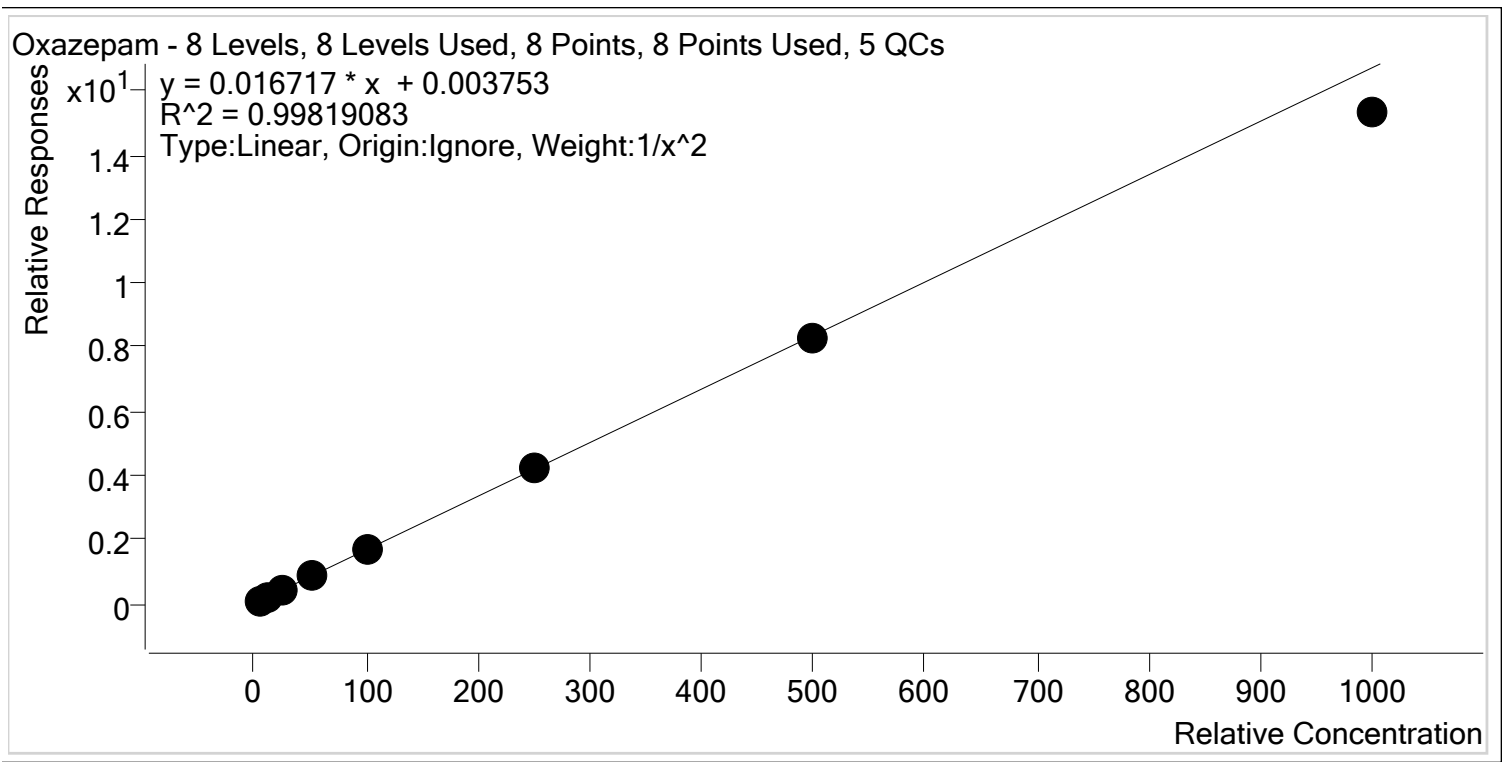


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	264.9	106.0
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
p1 Cal 8-1000ng	8	✓	1000.0	954.4	95.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

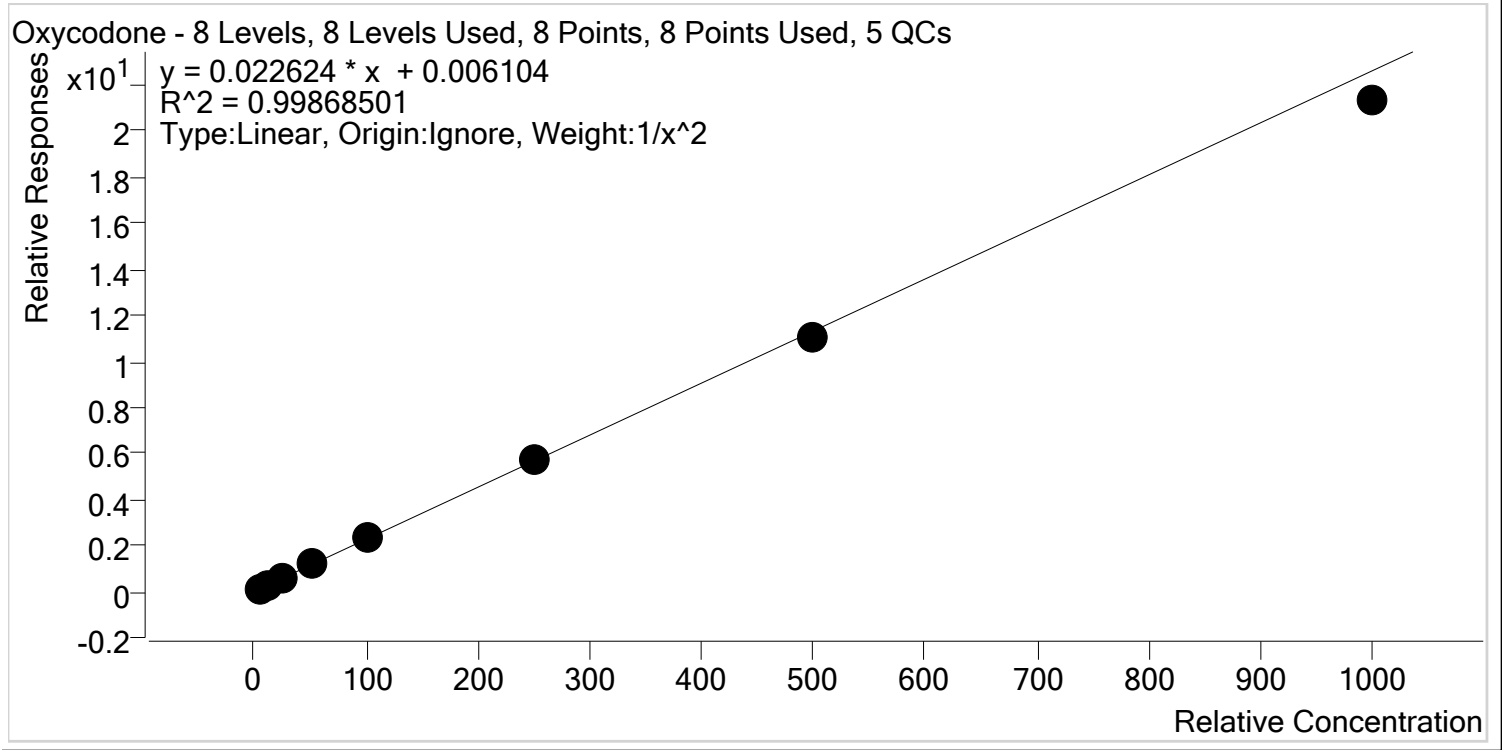


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	916.3	91.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

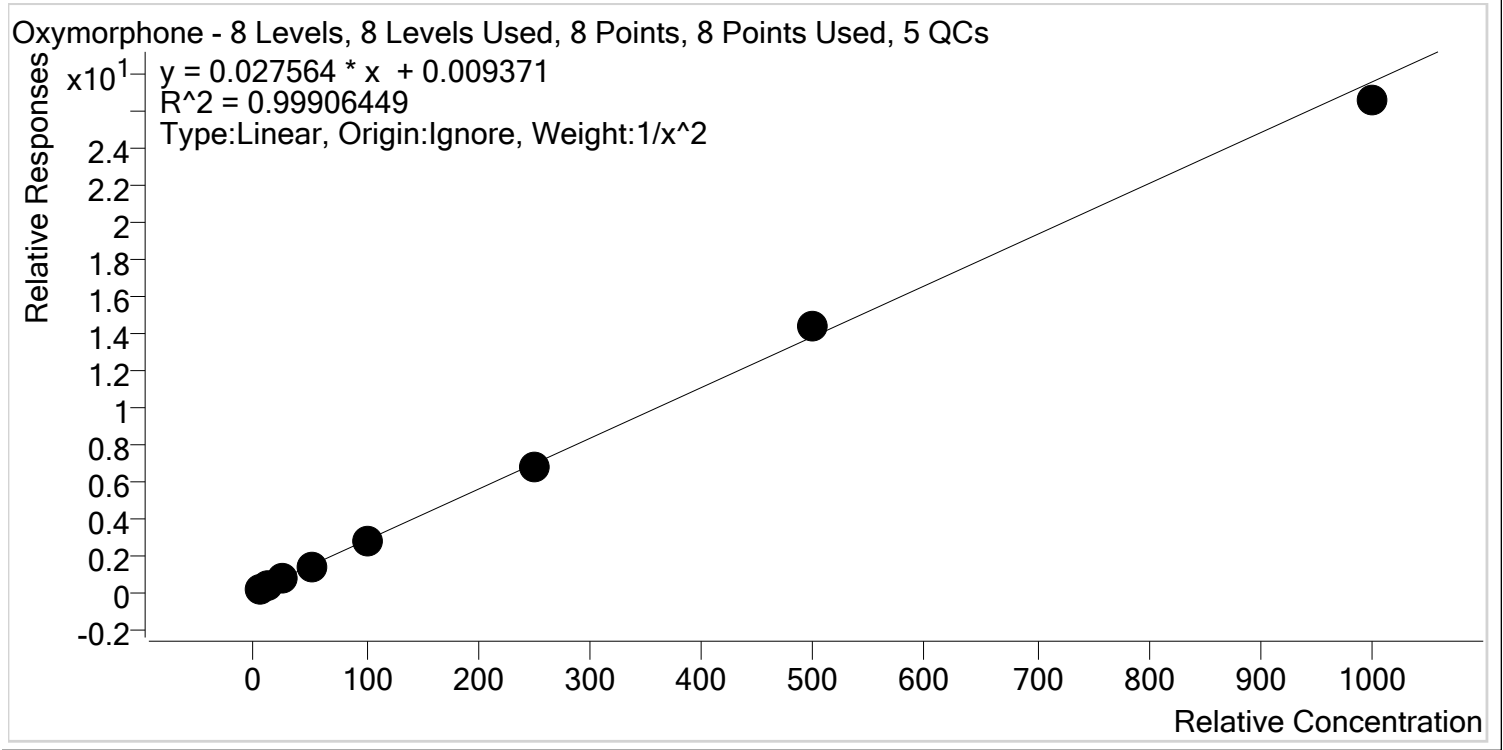


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	942.8	94.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

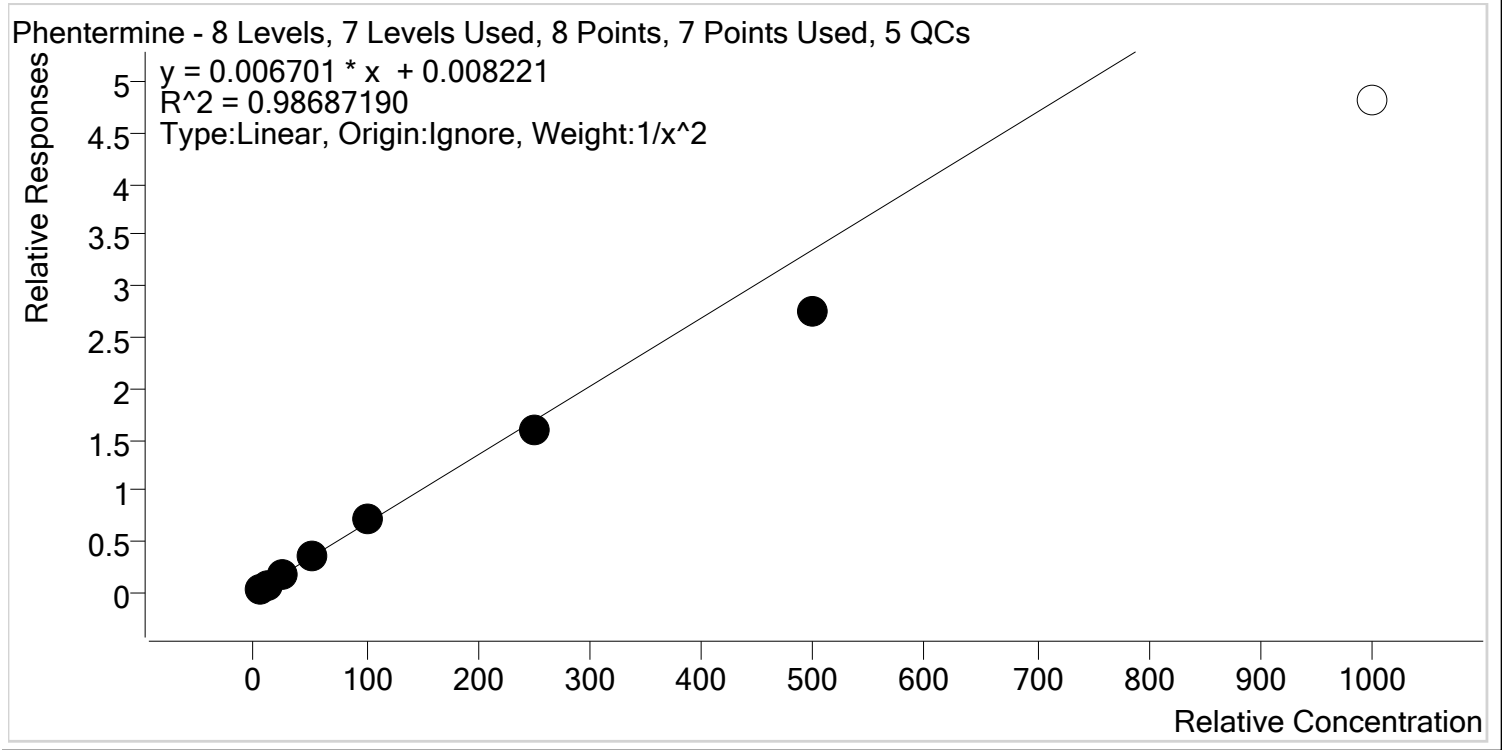


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	963.2	96.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

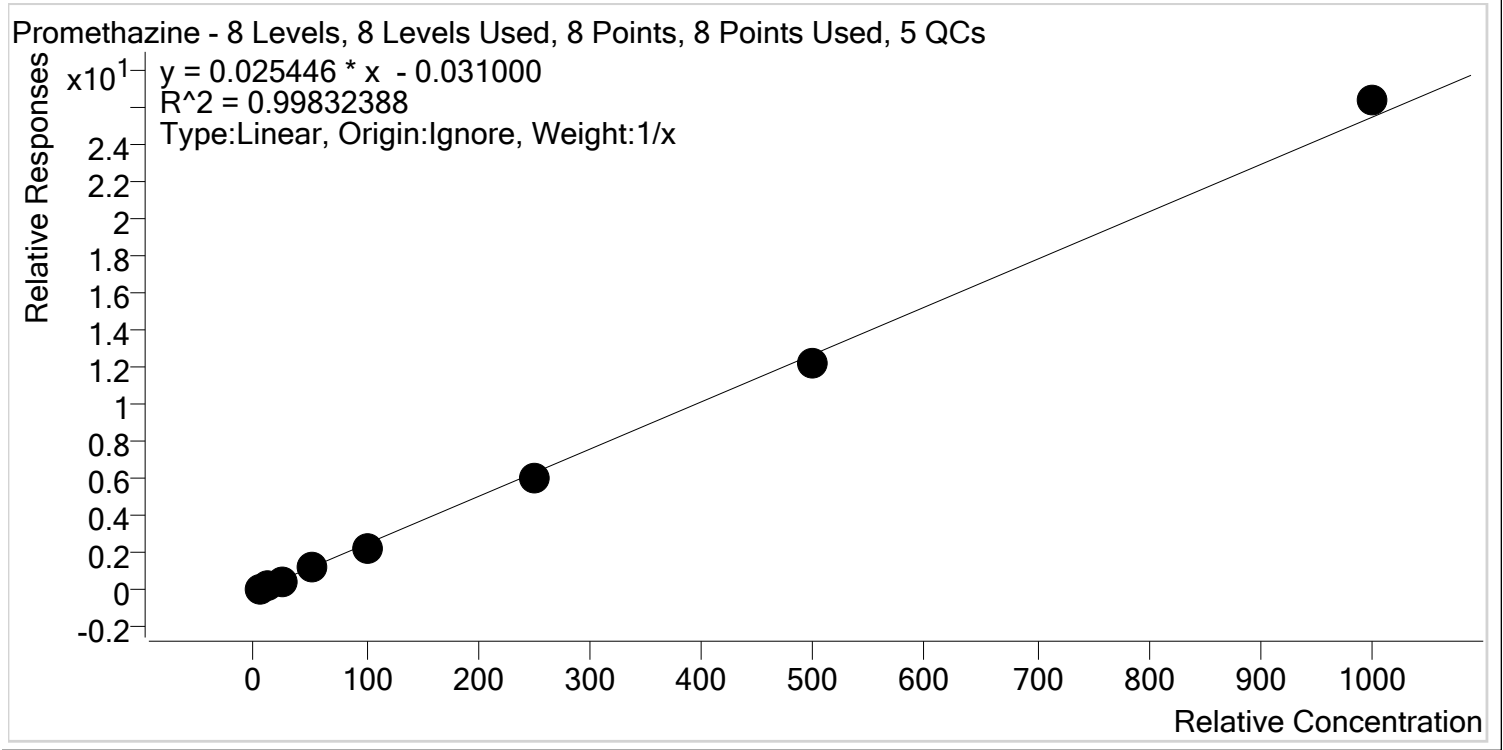


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.0
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	237.9	95.2
p1 Cal 7-500ng	7	✓	500.0	410.4	82.1
p1 Cal 8-1000ng	8	✗	1000.0	717.2	71.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



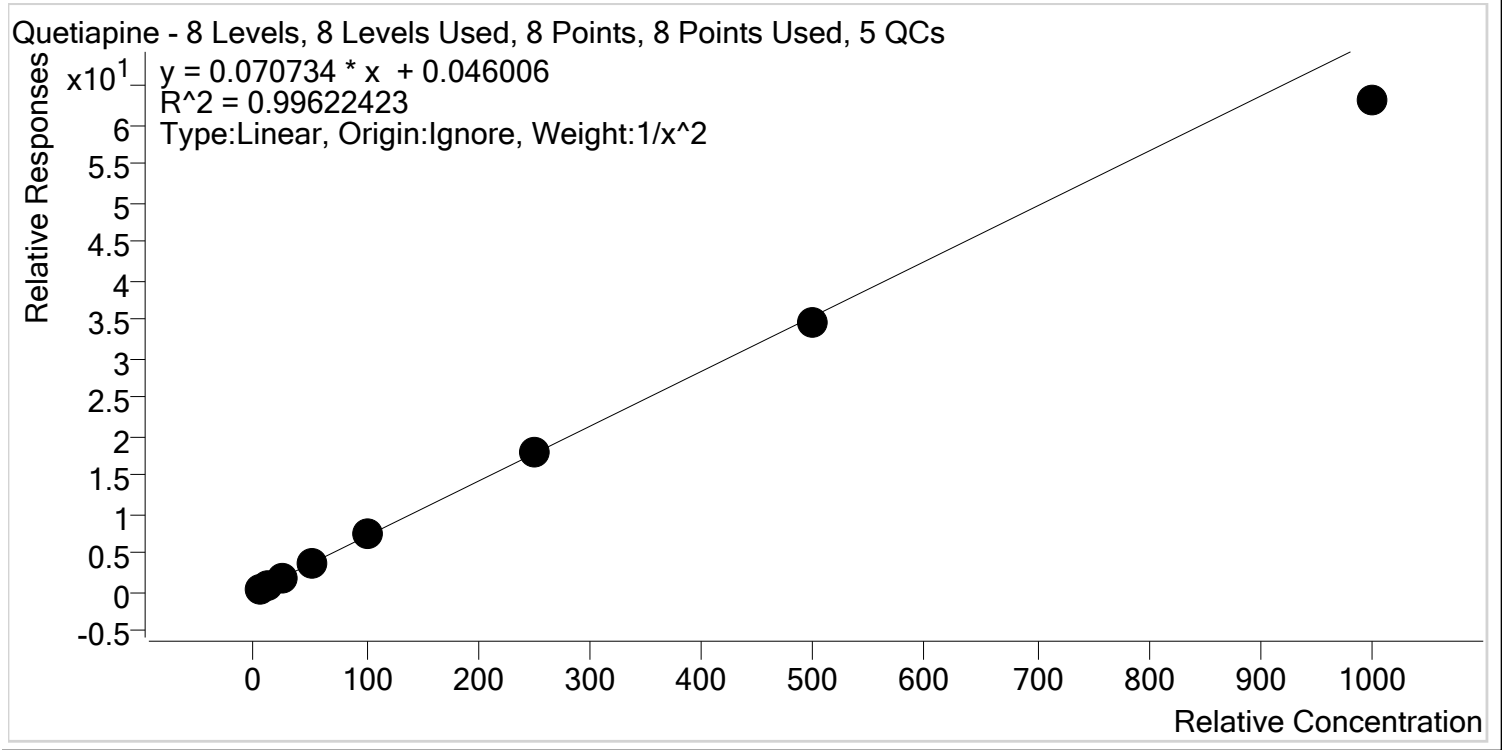
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	92.4	92.4
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	1035.0	103.5

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 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	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	892.0	89.2

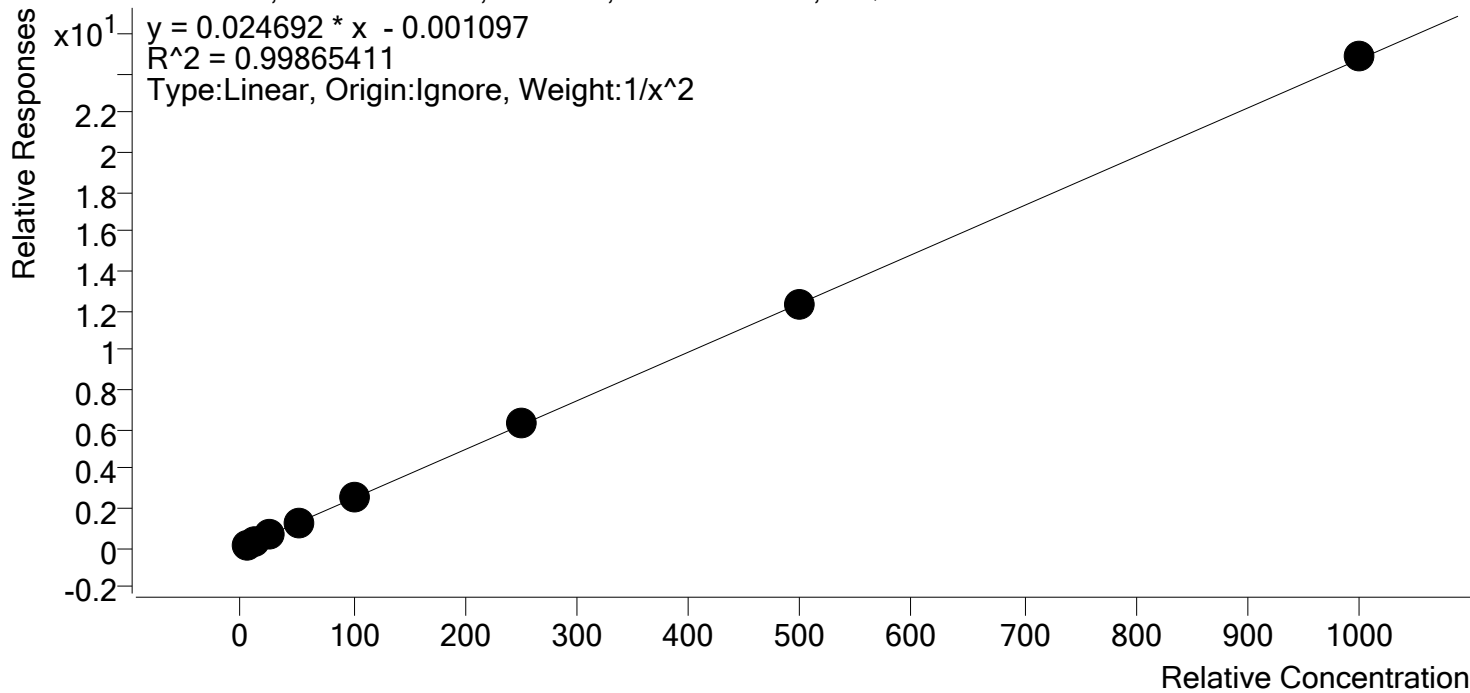
g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

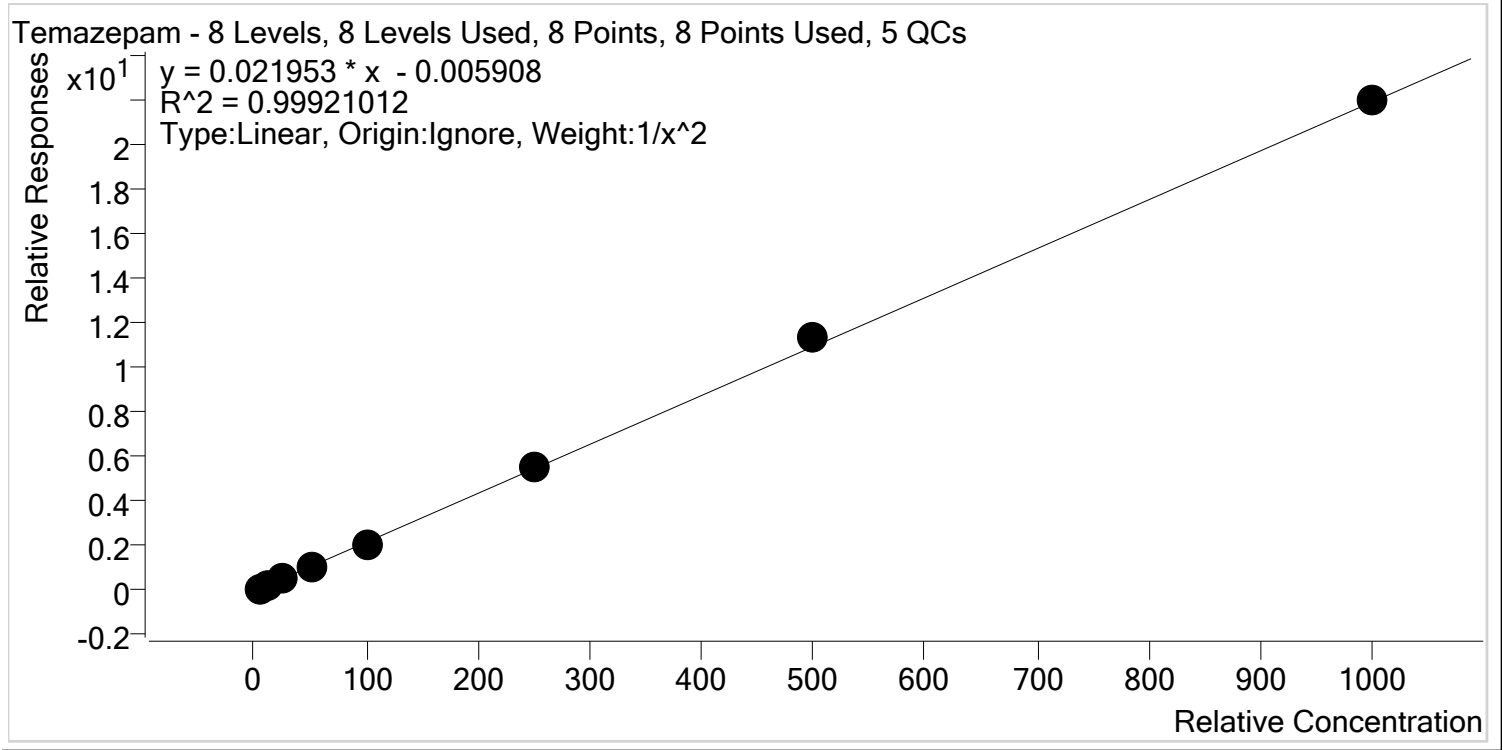


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1005.6	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



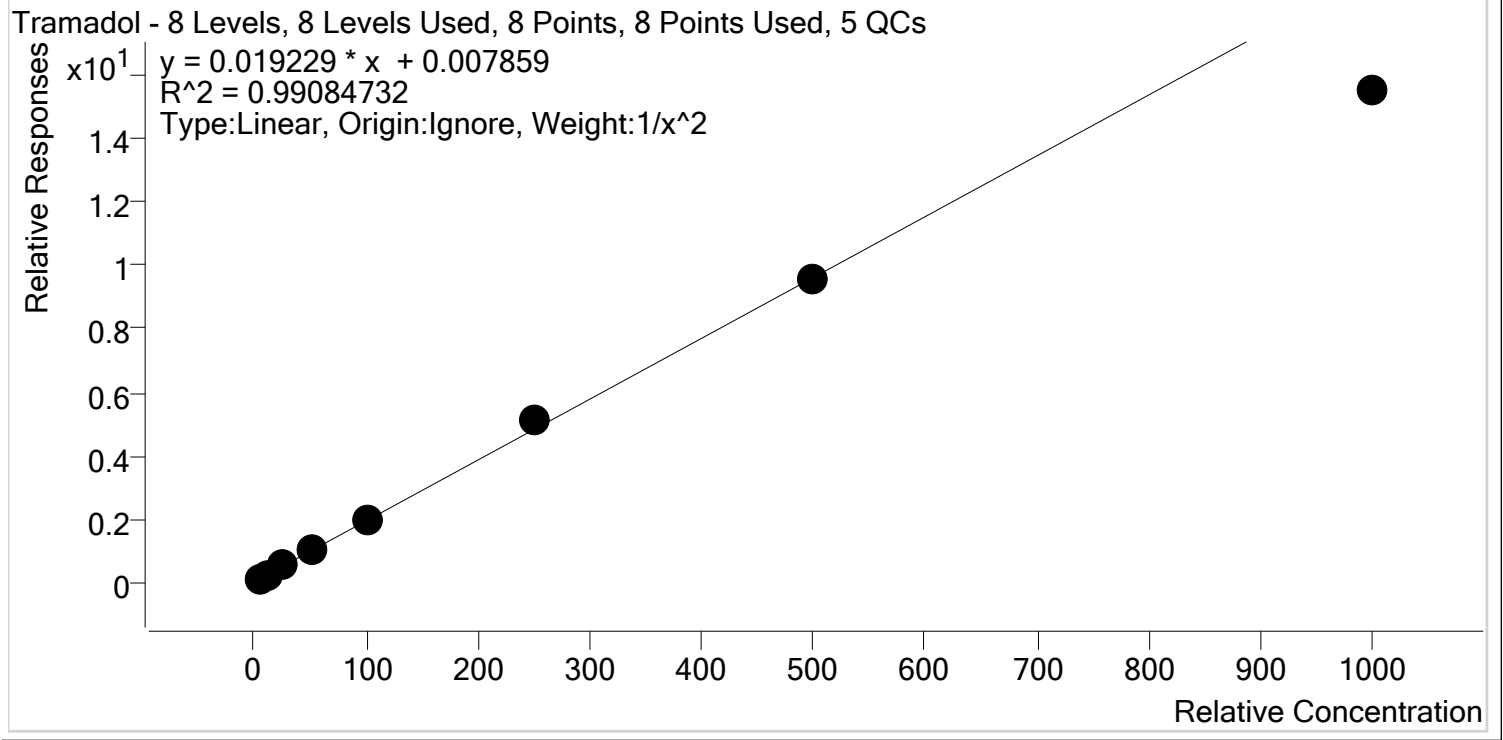
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	520.4	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.8	100.3

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

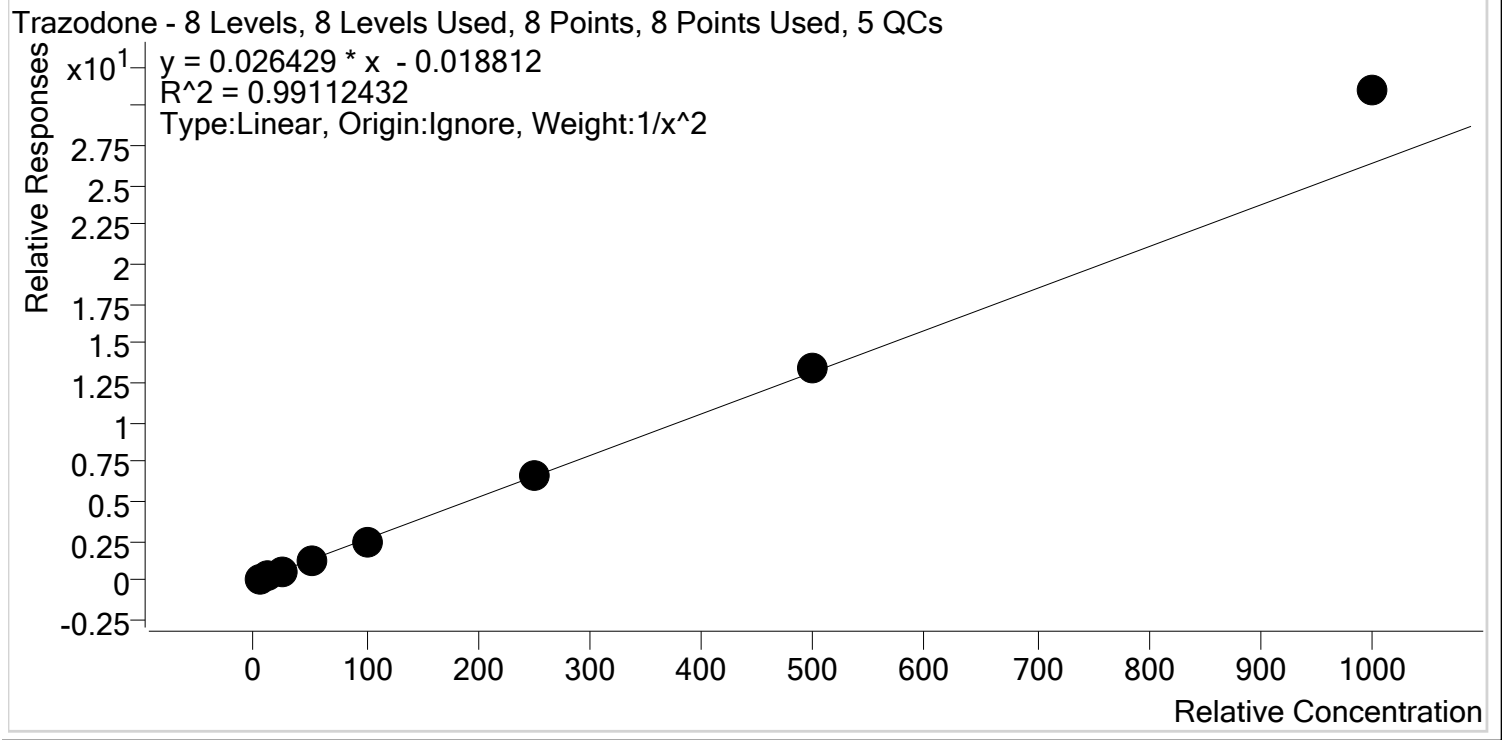


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	266.2	106.5
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	807.3	80.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

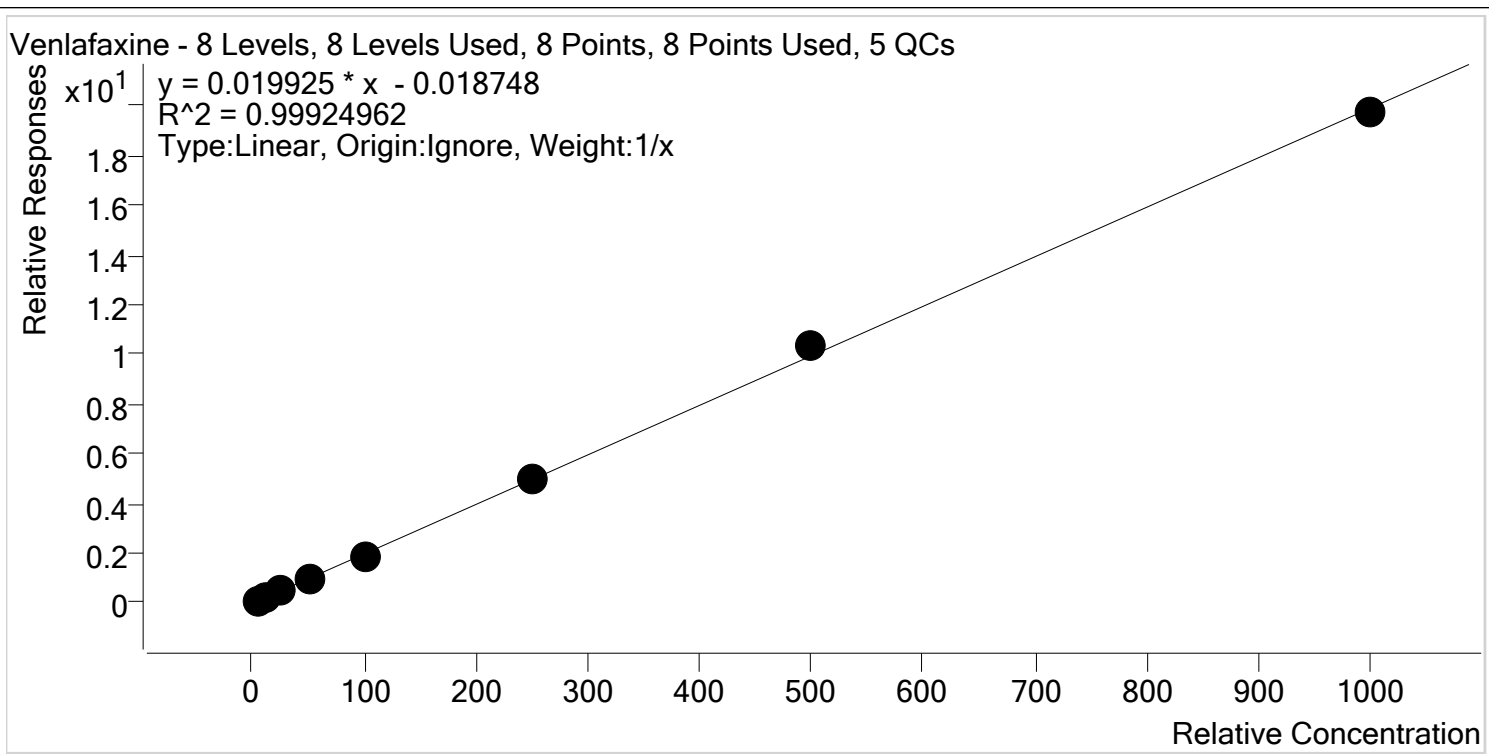


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	46.9	93.7
p1 Cal 5-100ng	5	✓	100.0	94.1	94.1
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1174.0	117.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



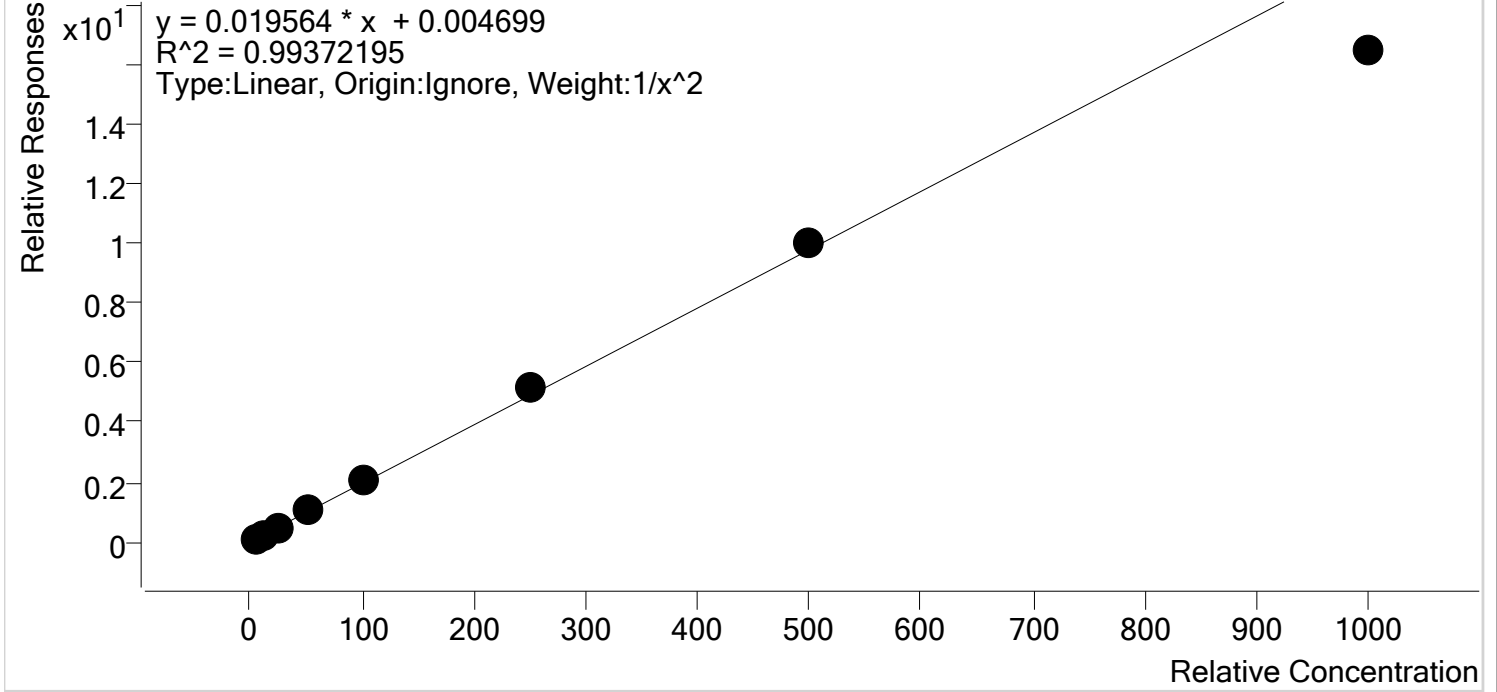
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	517.8	103.6
p1 Cal 8-1000ng	8	✓	1000.0	991.2	99.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Last Cal. Update 11/6/2020 11:54 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	266.2	106.5
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	841.1	84.1

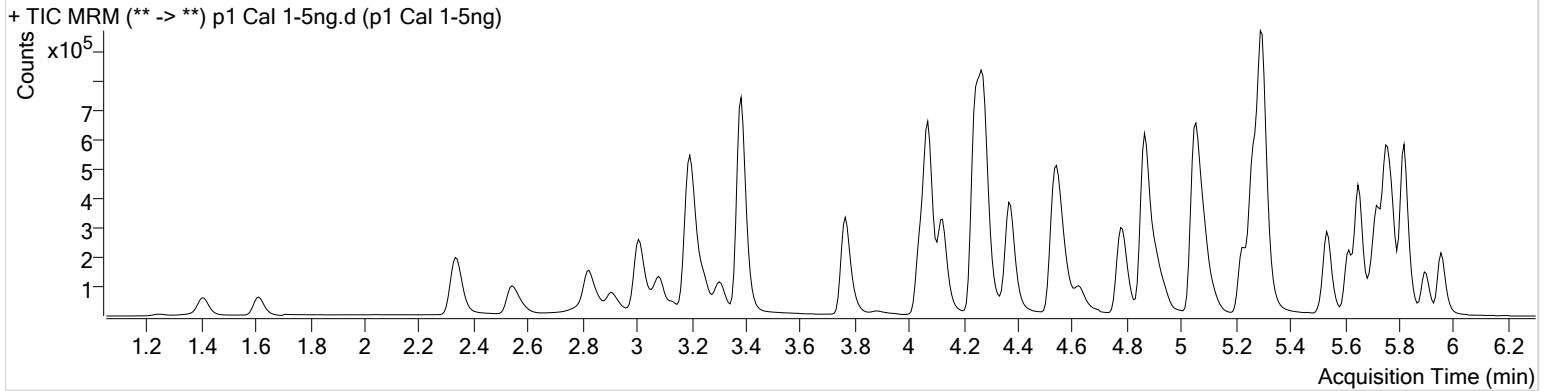
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-A1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 7:30:01 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	1697	12108.39	81.6	11885.29	66997	0.5043 ng/ml
7-aminoclonazepam	4.284	20621	217.94	83.8	154.56	151164	5.1249 ng/ml
a-hydroxyalprazolam	5.701	13942	679.15	66.1	614.15	71187	4.9131 ng/ml
alpha-PHP	4.942	24541	1135.62	263.5	4475.40	822560	5.0002 ng/ml
alpha-PVP	4.383	97871	352.58	49.8	223.00	822560	5.5109 ng/ml
Alprazolam	5.778	50909	1104.95	110.2	1387.32	332538	6.1354 ng/ml
Amphetamine	3.084	177959	5793.74	51.6	807.89	363713	4.7969 ng/ml
Benzoylcegonine	3.912	2451	36.70	9.0	53.10	18013	5.0152 ng/ml
Buprenorphine	5.755	1084	73.16	20.2	80.83	96754	0.4835 ng/ml
Bupropion	4.800	107324	4020.62	58.2	1189.17	695406	5.0248 ng/ml
Carisoprodol	5.727	52996	68665.99	54.5	167.30	504002	5.0262 ng/ml
Citalopram	5.224	52889	240.11	43.2	50399.35	480367	5.6161 ng/ml
Clonazepam	5.615	64015	3591.13	34.1	1074.39	149698	4.9090 ng/ml
Cocaine	4.277	79954	775.62	45.8	25750.61	1209389	5.5542 ng/ml
Codeine	2.597	8129	170.17	107.7	191.58	76417	4.9778 ng/ml
Cyclobenzaprine	5.619	22060	13758.63	10.4	15.80	188279	5.1396 ng/ml
Dextromethorphan	5.273	31474	1303.53	79.8	1244.43	288433	5.0119 ng/ml
Dextrophan	4.124	25434	5480.13	209.2	5208.75	624371	5.4017 ng/ml
Diazepam	5.963	40009	461.42	87.3	576.84	369379	5.0205 ng/ml
Dihydrocodeine	2.575	21370	460.30	62.1	515.39	223114	4.8555 ng/ml
Diphenhydramine	5.301	142402	1682.77	32.3	659.38	1834066	5.3762 ng/ml
Doxylamine	4.554	176231	6719.63	100.8	∞	1511213	4.9552 ng/ml
EDDP	5.265	84544	3105.82	42.5	182.71	865575	5.1068 ng/ml
Fentanyl	5.107	2869	149.81	80.8	10036.09	291813	0.5024 ng/ml
Fluoxetine	5.710	17909	164.39	8.1	84.98	141981	5.0020 ng/ml
Hydrocodone	3.034	31783	104.03	36.6	∞	361528	4.7728 ng/ml
Hydromorphone	1.621	24877	479.29	75.7	842.99	147936	4.9340 ng/ml
Ketamine	4.058	73279	1117.86	38.3	217.14	613463	5.0092 ng/ml
Lamotrigine	4.293	5993	514.63	77.6	988.26	613463	4.8788 ng/ml
Lorazepam	5.749	56520	∞	55.9	272.61	149698	4.7527 ng/ml
MDA	3.224	116863	642.11	21.7	54.87	545202	4.7917 ng/ml
MDMA	3.311	77606	11456.42	66.8	1375.15	149829	5.0275 ng/ml
Meprobamate	4.936	31182	289.47	26.2	956.15	286208	4.8184 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.656	83252	344.80	51.4	2034.15	763861	5.1058 ng/ml
Methamphetamine	3.252	115345	292.12	40.4	344.78	966380	4.8800 ng/ml
Metoprolol	4.339	15874	28912.46	89.1	1282.06	1637932	4.8538 ng/ml
Mirtazapine	4.629	102500	16514.13	51.3	5636.61	822560	4.9949 ng/ml
Mitragynine	5.235	13589	41876.47	38.3	14663.02	763861	4.6924 ng/ml
Morphine	1.253	4223	1667.21	34.3	827.81	10775	4.9540 ng/ml
Norbuprenorphine	4.998	194	337.59	106.1	231.46	13547	0.6101 ng/ml
Nordiazepam	5.903	38097	563.91	56.4	572.16	242776	4.9837 ng/ml
Norfentanyl	4.092	15591	1138.12	33.2	176.85	1367441	0.5186 ng/ml
Norhydrocodone	3.081	4007	182.93	37.4	47.58	86551	6.3963 ng/ml
Noroxycodone	2.932	28862	956.47	47.2	610.09	194037	4.9292 ng/ml
O-desmethyl-tramadol	3.390	151144	8232.02	6.3	1004.55	1638206	5.0856 ng/ml
Oxazepam	5.759	69486	509.77	71.1	∞	800573	4.9676 ng/ml
Oxycodone	2.850	56383	1273.64	31.6	∞	479384	4.9290 ng/ml
Oxymorphone	1.410	25363	360.20	46.6	1330.17	174439	4.9349 ng/ml
Phentermine	3.803	33819	1249.49	3.5	55.71	842704	4.7620 ng/ml
Promethazine	5.542	51977	916.14	29.1	296.06	440672	5.8535 ng/ml
Quetiapine	5.539	48577	234555.86	54.8	152.33	123970	4.8892 ng/ml
Sertraline	5.779	7638	217.66	88.8	2148.56	60524	5.1552 ng/ml
Temazepam	5.826	111079	753.30	30.0	251.40	1055312	5.0638 ng/ml
Tramadol	4.259	165920	983.84	3.3	92.28	1637932	4.8593 ng/ml
Trazodone	5.120	48870	15312.20	75.9	∞	411369	5.2068 ng/ml
Venlafaxine	5.048	123917	245.90	37.4	1572.41	1335410	5.5980 ng/ml
Zolpidem	4.885	152075	363.73	32.2	17545.87	1492971	4.9663 ng/ml

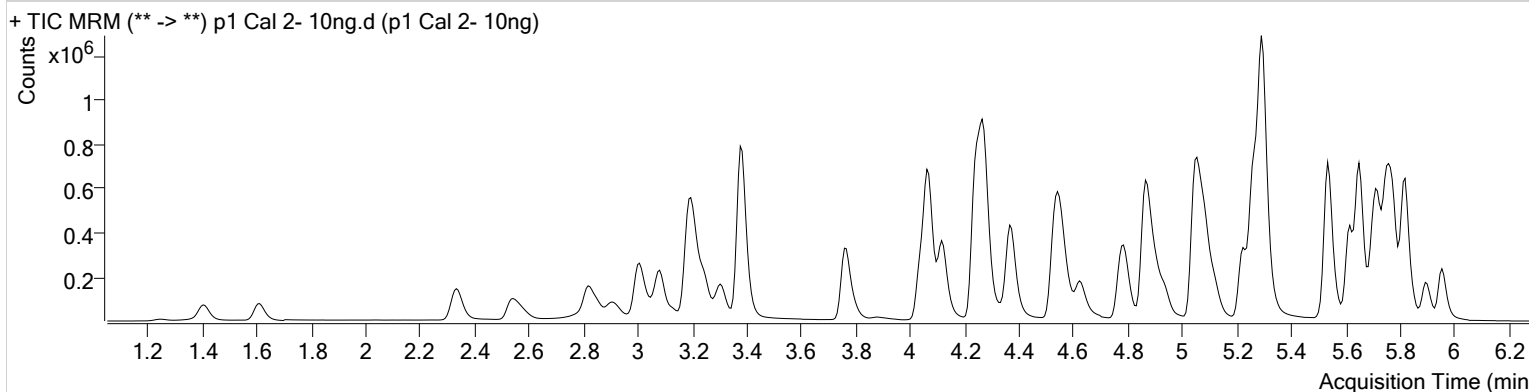
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-B1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 7:40:47 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	3116	4019.16	74.2	2129.28	66244	0.9802 ng/ml
7-aminoclonazepam	4.277	37712	1792.45	86.3	1579.78	142730	9.5804 ng/ml
a-hydroxyalprazolam	5.701	26126	800.53	63.6	1005.27	69638	9.9634 ng/ml
alpha-PHP	4.942	47666	4317.99	265.5	9242.71	819766	9.9053 ng/ml
alpha-PVP	4.376	186558	647.40	51.5	2919.17	819766	9.8975 ng/ml
Alprazolam	5.778	96897	1120.96	107.8	844.70	304104	10.6278 ng/ml
Amphetamine	3.084	348698	4387.75	50.2	527.61	365455	10.3498 ng/ml
Benzoylcegonine	3.905	4779	94.87	7.8	66.81	17849	10.1323 ng/ml
Buprenorphine	5.755	2941	∞	17.1	∞	118948	1.0313 ng/ml
Bupropion	4.793	212388	8081.24	59.2	1915.59	693469	9.9347 ng/ml
Carisoprodol	5.727	102564	∞	54.5	192.96	493780	9.9770 ng/ml
Citalopram	5.224	127652	8796.41	41.0	87481.01	573570	10.3531 ng/ml
Clonazepam	5.615	118445	899.92	34.3	82016.96	144530	10.0176 ng/ml
Cocaine	4.270	154607	22498.50	46.6	1239.40	1186161	10.1907 ng/ml
Codeine	2.597	15575	722.93	109.9	2100.76	76471	9.8618 ng/ml
Cyclobenzaprine	5.619	113821	543695.83	9.7	269.48	492466	9.7523 ng/ml
Dextromethorphan	5.273	83247	2563.66	80.0	271.08	385443	9.9758 ng/ml
Dextrorphan	4.124	50356	37775.67	207.6	48516.26	614664	10.2595 ng/ml
Diazepam	5.963	72852	2043.54	88.4	2587.75	346096	9.9571 ng/ml
Dihydrocodeine	2.569	42148	896.83	61.6	3392.85	220822	10.2325 ng/ml
Diphenhydramine	5.301	344292	8323.70	32.8	5955.68	2224873	9.9736 ng/ml
Doxylamine	4.554	347445	∞	100.4	48456.58	1495611	10.0806 ng/ml
EDDP	5.265	175397	4834.84	42.7	229.20	921394	9.8346 ng/ml
Fentanyl	5.100	11129	794.35	72.3	∞	551129	0.9930 ng/ml
Fluoxetine	5.710	141020	20782.55	8.6	258.95	560125	9.9616 ng/ml
Hydrocodone	3.034	62328	109.82	34.7	446.06	357429	10.3410 ng/ml
Hydromorphone	1.621	50548	770.72	73.6	255.59	150523	10.1646 ng/ml
Ketamine	4.058	137063	5461.94	38.9	422.62	607434	9.8691 ng/ml
Lamotrigine	4.286	11585	736.58	77.3	451.56	607434	10.2653 ng/ml
Lorazepam	5.749	103753	∞	57.0	535.50	144530	9.9279 ng/ml
MDA	3.218	234583	∞	21.3	97.72	556157	10.3118 ng/ml
MDMA	3.311	152659	10163.66	66.7	2579.42	148070	10.0079 ng/ml
Meprobamate	4.936	60239	445.72	27.7	1150.77	289864	10.1704 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	227821	5841.42	52.0	411.90	1054945	9.8088 ng/ml
Methamphetamine	3.252	220069	361.52	40.4	1134.81	951470	10.1683 ng/ml
Metoprolol	4.332	31246	66591.48	88.8	∞	1555291	10.4117 ng/ml
Mirtazapine	4.623	231012	2571.98	51.8	10327.62	819766	10.4394 ng/ml
Mitragynine	5.228	42646	∞	38.4	14279.43	1054945	10.9205 ng/ml
Morphine	1.253	8529	277.05	33.3	192.09	11189	9.9823 ng/ml
Norbuprenorphine	4.998	369	70.13	108.0	366.41	16763	0.9552 ng/ml
Nordiazepam	5.903	70937	902.77	57.9	979.21	228174	10.0609 ng/ml
Norfentanyl	4.092	29015	3476.18	34.8	573.83	1347523	0.9497 ng/ml
Norhydrocodone	3.081	7429	149.03	39.3	73.91	86320	10.4400 ng/ml
Noroxycodone	2.925	55974	623.44	48.5	799.38	190042	10.1091 ng/ml
O-desmethyl-tramadol	3.383	295339	1434.56	6.2	1782.55	1625798	9.8072 ng/ml
Oxazepam	5.759	128410	1626.37	71.8	689.71	755512	9.9428 ng/ml
Oxycodone	2.850	110730	717.02	30.6	805.50	471440	10.1120 ng/ml
Oxymorphone	1.410	48976	466.46	46.0	406.53	169635	10.1342 ng/ml
Phentermine	3.797	65963	1029.91	3.1	74.82	845003	10.4225 ng/ml
Promethazine	5.536	258960	347.30	29.5	1424.03	1117842	10.3221 ng/ml
Quetiapine	5.539	116251	∞	56.8	∞	152745	10.1092 ng/ml
Sertraline	5.779	62851	26108.33	93.4	1229.42	273511	9.3510 ng/ml
Temazepam	5.819	213907	10729.84	29.6	493.25	1014473	9.8741 ng/ml
Tramadol	4.252	319626	27482.84	3.3	205.16	1555291	10.2786 ng/ml
Trazodone	5.120	155338	37464.61	75.8	31203.28	658192	9.6416 ng/ml
Venlafaxine	5.048	235997	11610.12	38.3	305.95	1302196	10.0364 ng/ml
Zolpidem	4.885	294186	7264.09	32.0	3412.47	1466322	10.0147 ng/ml

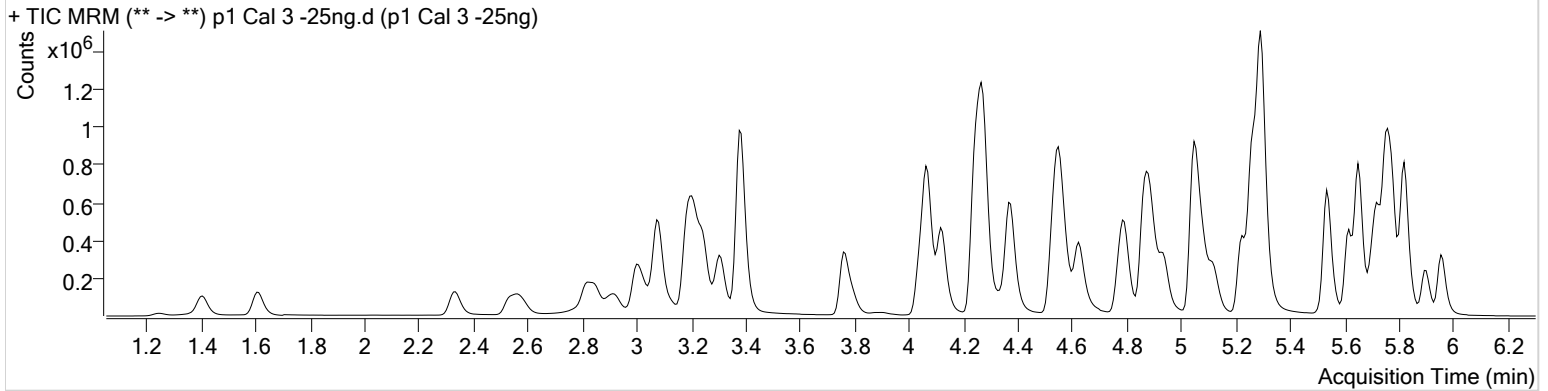
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-C1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 7:51:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	7883	41342.81	73.9	193.33	67285	2.5167 ng/ml
7-aminoclonazepam	4.277	114168	5323.62	81.6	2054.03	163850	24.6604 ng/ml
a-hydroxyalprazolam	5.701	67990	249.68	66.6	2037.89	70507	26.5563 ng/ml
alpha-PHP	4.942	120610	10749.69	267.0	20997.70	817443	25.3940 ng/ml
alpha-PVP	4.376	480581	3307.30	49.9	765.04	817443	24.4535 ng/ml
Alprazolam	5.778	243366	708.43	107.9	1011.70	316920	22.8204 ng/ml
Amphetamine	3.078	849880	14128.36	51.4	7936.45	365190	26.7515 ng/ml
Benzoylecgonine	3.905	11231	244.84	7.9	∞	17903	24.1125 ng/ml
Buprenorphine	5.755	7009	408.27	16.7	717.94	109533	2.6228 ng/ml
Bupropion	4.793	529328	19831.16	58.6	5056.96	691791	24.7640 ng/ml
Carisoprodol	5.727	252249	∞	54.1	1587.17	491302	24.7343 ng/ml
Citalopram	5.224	285000	384.75	42.2	232594.53	520488	24.0437 ng/ml
Clonazepam	5.615	297470	19023.19	34.4	884.83	145524	25.9816 ng/ml
Cocaine	4.270	382082	34627.70	46.4	14125.13	1181050	24.1343 ng/ml
Codeine	2.590	38790	476.38	109.0	984.29	75801	25.3267 ng/ml
Cyclobenzaprine	5.619	147578	18306.65	10.0	221.43	257420	23.6026 ng/ml
Dextromethorphan	5.273	174165	17281.81	79.8	506.10	324237	24.8957 ng/ml
Dextrorphan	4.124	125493	2214.26	210.1	591.40	617866	24.5512 ng/ml
Diazepam	5.963	177701	368.38	89.4	8511.26	347056	24.5246 ng/ml
Dihydrocodeine	2.569	106352	1155.64	63.0	927.96	222524	26.4653 ng/ml
Diphenhydramine	5.301	776292	18635.56	32.9	25809.78	2026977	23.5823 ng/ml
Doxylamine	4.554	895275	32839.83	99.6	80783.71	1554134	25.3093 ng/ml
EDDP	5.265	435846	14126.71	42.0	540.54	937693	23.8336 ng/ml
Fentanyl	5.100	18474	∞	73.6	269.83	361183	2.4589 ng/ml
Fluoxetine	5.703	137256	3854.83	8.5	289.88	216758	25.0206 ng/ml
Hydrocodone	3.027	156697	∞	35.0	1146.76	353693	27.6418 ng/ml
Hydromorphone	1.614	128899	∞	74.7	352.61	155477	25.5534 ng/ml
Ketamine	4.058	341443	509.82	38.7	464.78	610931	25.1204 ng/ml
Lamotrigine	4.286	27705	2396.92	80.4	∞	610931	25.4780 ng/ml
Lorazepam	5.749	259363	1317.27	55.6	2169.55	145524	26.1149 ng/ml
MDA	3.218	569319	16437.15	21.6	470.67	544880	26.8916 ng/ml
MDMA	3.311	377654	58666.66	66.5	4003.38	150525	24.3553 ng/ml
Meprobamate	4.936	146652	9672.14	27.1	5399.93	284092	26.8648 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	476105	971.80	51.9	27362.52	881912	24.0498 ng/ml
Methamphetamine	3.245	550633	9203.97	39.5	3591.75	968331	26.1060 ng/ml
Metoprolol	4.332	77258	∞	89.3	1575.18	1609061	25.3373 ng/ml
Mirtazapine	4.623	549649	49564.21	51.2	23326.65	817443	23.9682 ng/ml
Mitragynine	5.228	86311	3379.65	37.7	2693.72	881912	26.7261 ng/ml
Morphine	1.253	21246	520.77	34.6	146.76	11080	25.6641 ng/ml
Norbuprenorphine	4.998	816	1676.47	103.3	2381.24	14953	2.4047 ng/ml
Nordiazepam	5.903	173553	1198.09	59.3	15810.09	230210	24.6690 ng/ml
Norfentanyl	4.092	75543	4430.44	33.1	194.96	1364943	2.3884 ng/ml
Norhydrocodone	3.075	17940	292.41	39.2	91.71	85004	23.1495 ng/ml
Noroxycodone	2.925	141446	1258.67	47.2	1245.31	193388	25.6312 ng/ml
O-desmethyl-tramadol	3.383	741802	28784.50	6.2	746.14	1636614	24.1520 ng/ml
Oxazepam	5.759	324453	3870.24	71.9	∞	748485	25.7066 ng/ml
Oxycodone	2.843	274734	2472.93	31.3	2925.69	471412	25.4904 ng/ml
Oxymorphone	1.403	121846	∞	45.9	∞	169299	25.7700 ng/ml
Phentermine	3.797	161865	2994.38	3.4	217.93	848214	27.2508 ng/ml
Promethazine	5.536	350191	468.75	29.6	1021.46	606323	23.9157 ng/ml
Quetiapine	5.539	258651	∞	54.3	∞	136003	26.2361 ng/ml
Sertraline	5.779	59357	425.82	89.6	16466.00	94885	25.3796 ng/ml
Temazepam	5.826	528385	11834.49	29.2	499.08	999023	24.3620 ng/ml
Tramadol	4.252	810039	49755.68	3.4	565.05	1609061	25.7714 ng/ml
Trazodone	5.120	283154	19504.25	75.6	93023.23	478471	23.1033 ng/ml
Venlafaxine	5.048	602016	87746.27	37.7	689.88	1317320	23.8766 ng/ml
Zolpidem	4.885	730110	1764.56	32.3	650.88	1484338	24.9013 ng/ml

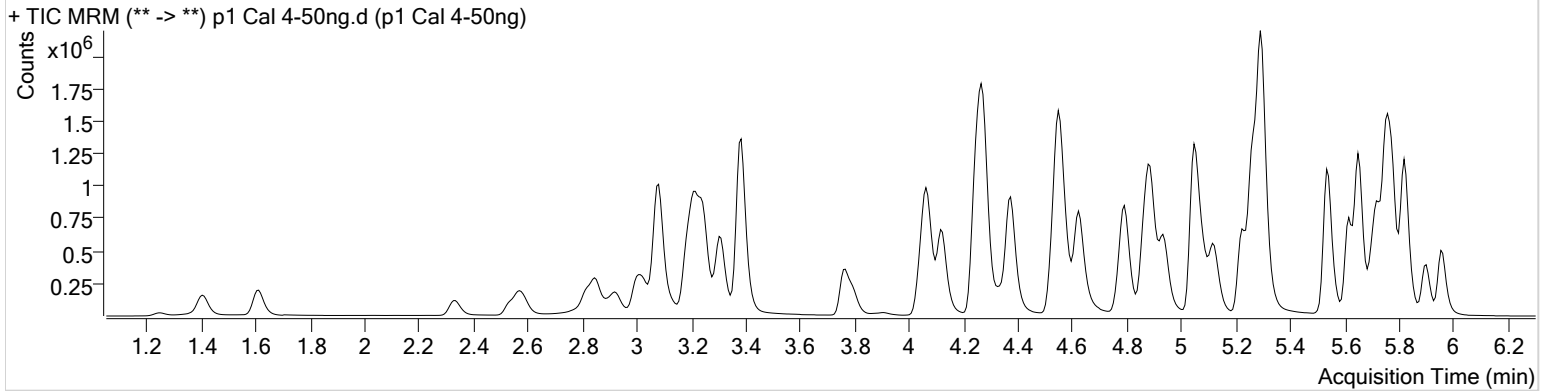
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-D1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 8:01:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	15902	1527.73	76.5	688.31	68962	5.0023 ng/ml
7-aminoclonazepam	4.277	193943	3819.39	82.1	309.41	136401	49.9376 ng/ml
a-hydroxyalprazolam	5.701	137496	764.80	65.0	1324.59	72375	52.9039 ng/ml
alpha-PHP	4.942	247048	29949.28	265.5	8122.65	842727	50.6210 ng/ml
alpha-PVP	4.376	992814	14719.26	50.5	18752.45	842727	48.2947 ng/ml
Alprazolam	5.778	504774	3934.16	106.6	∞	314365	45.5565 ng/ml
Amphetamine	3.084	1774494	90224.10	51.1	16024.99	381543	54.5074 ng/ml
Benzoylcegonine	3.905	23768	2538.99	7.5	114.28	18726	49.0686 ng/ml
Buprenorphine	5.755	14580	818.60	16.2	7284.89	109096	5.4462 ng/ml
Bupropion	4.793	1101508	67319.46	58.1	12660.18	711604	50.0596 ng/ml
Carisoprodol	5.727	514825	∞	55.6	994.82	507914	48.8785 ng/ml
Citalopram	5.224	618640	701.18	42.3	∞	557825	47.6945 ng/ml
Clonazepam	5.615	612816	1556.86	34.3	6329.79	147578	53.4663 ng/ml
Cocaine	4.270	790460	33568.70	47.5	24293.65	1204518	48.1525 ng/ml
Codeine	2.590	82278	4196.69	106.7	597.91	75681	54.2118 ng/ml
Cyclobenzaprine	5.619	332872	567.98	9.6	∞	280229	48.4783 ng/ml
Dextromethorphan	5.273	383314	29088.75	79.3	364.52	356728	49.8588 ng/ml
Dextrorphan	4.124	260373	24798.60	212.4	1403.24	645895	48.1401 ng/ml
Diazepam	5.963	376604	5734.22	88.5	677.83	357491	50.6829 ng/ml
Dihydrocodeine	2.569	217077	641.86	63.4	346.21	230555	52.6808 ng/ml
Diphenhydramine	5.301	1722740	238431.09	32.3	27145.69	2175747	47.9582 ng/ml
Doxylamine	4.554	1874729	300896.21	103.1	36415.14	1646238	50.2395 ng/ml
EDDP	5.265	824410	29435.44	41.9	377.18	867195	48.6163 ng/ml
Fentanyl	5.100	44288	149.85	72.5	156895.34	410781	5.1425 ng/ml
Fluoxetine	5.703	292050	13477.38	8.8	569.83	227365	50.7315 ng/ml
Hydrocodone	3.027	314113	∞	36.9	1759.08	374838	53.0768 ng/ml
Hydromorphone	1.614	251452	689.06	76.1	3797.26	155624	50.0982 ng/ml
Ketamine	4.058	713528	1231.40	38.9	737.69	627051	51.6198 ng/ml
Lamotrigine	4.286	59826	1845.22	78.3	19381.96	627051	54.4605 ng/ml
Lorazepam	5.749	514253	2502.05	56.0	2702.60	147578	52.0037 ng/ml
MDA	3.218	1177341	12339.71	21.6	1849.72	556638	55.3709 ng/ml
MDMA	3.311	803004	91645.90	66.5	6302.35	156739	49.7346 ng/ml
Meprobamate	4.936	304015	2929.45	27.1	6066.66	287598	56.1435 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	1018482	4802.51	52.8	1369.94	929703	48.4797 ng/ml
Methamphetamine	3.245	1166869	5952.80	39.6	12294.31	1019812	53.2977 ng/ml
Metoprolol	4.332	163298	153360.66	90.2	∞	1646111	52.6970 ng/ml
Mirtazapine	4.623	1201327	8082.67	51.2	65964.31	842727	50.0534 ng/ml
Mitragynine	5.228	171134	2571.33	37.6	126629.59	929703	50.4461 ng/ml
Morphine	1.253	42255	679.78	33.4	322.96	10909	52.2191 ng/ml
Norbuprenorphine	4.998	1613	3056.13	96.9	∞	16123	4.4330 ng/ml
Nordiazepam	5.903	371100	9203.68	58.3	4134.49	238568	51.1034 ng/ml
Norfentanyl	4.092	157850	29849.55	33.5	1130.44	1386795	4.8765 ng/ml
Norhydrocodone	3.075	34669	273.39	40.6	106.08	82848	44.2411 ng/ml
Noroxycodone	2.925	281928	1516.66	49.0	554.10	193682	51.3621 ng/ml
O-desmethyl-tramadol	3.383	1575196	42872.61	6.3	887.49	1699097	49.1778 ng/ml
Oxazepam	5.759	647690	8650.25	72.5	∞	753084	51.2244 ng/ml
Oxycodone	2.850	575133	4458.65	30.9	4395.13	486675	51.9658 ng/ml
Oxymorphone	1.403	242265	2439.12	47.3	1352.24	172447	50.6266 ng/ml
Phentermine	3.797	332041	4233.73	3.4	310.83	895785	54.0882 ng/ml
Promethazine	5.536	784882	70876.55	29.2	∞	665504	47.5660 ng/ml
Quetiapine	5.539	564976	30695.51	56.7	21831.03	149104	52.9183 ng/ml
Sertraline	5.772	111594	9789.49	93.6	234129.97	92790	48.7512 ng/ml
Temazepam	5.826	1121301	38331.88	29.0	4099.38	1032762	49.7270 ng/ml
Tramadol	4.252	1686048	48007.42	3.5	687.01	1646111	52.8570 ng/ml
Trazodone	5.120	653270	∞	76.0	∞	535590	46.8623 ng/ml
Venlafaxine	5.048	1289280	47295.66	36.7	696.21	1375392	47.9862 ng/ml
Zolpidem	4.885	1578409	2538.10	31.3	609.03	1544965	51.9798 ng/ml

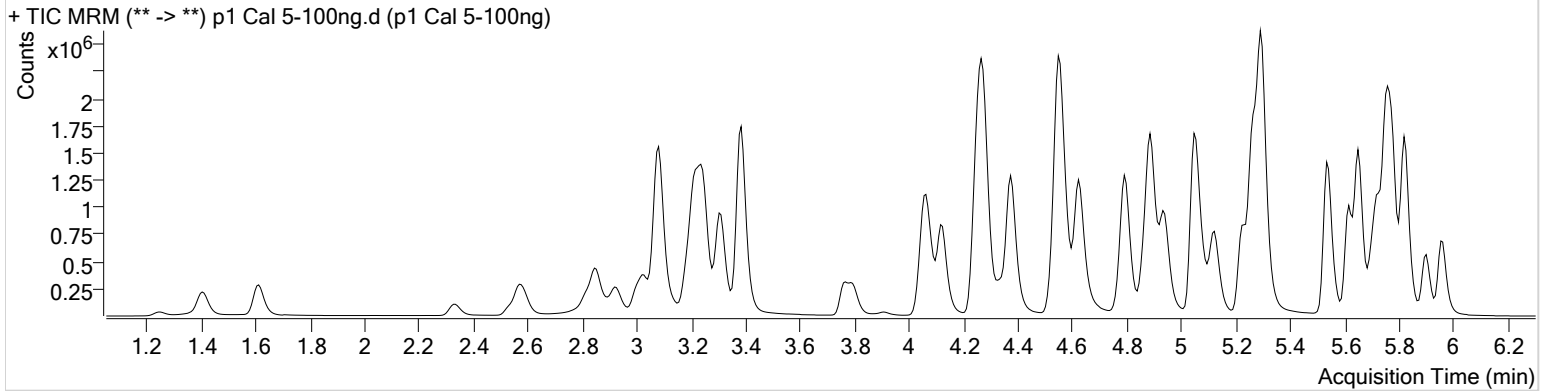
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-E1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 8:12:35 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	27470	3144.25	72.8	∞	60074	9.9696 ng/ml
7-aminoclonazepam	4.277	347693	3680.34	83.3	2172.96	125105	97.2574 ng/ml
a-hydroxyalprazolam	5.701	220241	709.71	65.8	374.39	60000	102.7805 ng/ml
alpha-PHP	4.942	408660	21029.26	265.8	18054.55	705919	100.1286 ng/ml
alpha-PVP	4.376	1679064	9964.96	50.2	1010.58	705919	96.7883 ng/ml
Alprazolam	5.778	855488	2755.94	103.7	2826.00	258379	91.8349 ng/ml
Amphetamine	3.084	2814454	∞	49.8	22703.24	315497	105.5117 ng/ml
Benzoylcegonine	3.905	40173	10221.63	7.2	161.20	15780	98.6962 ng/ml
Buprenorphine	5.755	20635	822.61	17.2	3721.79	83910	9.9972 ng/ml
Bupropion	4.793	1871686	98148.42	58.4	41906.59	608649	99.4130 ng/ml
Carisoprodol	5.727	853510	13847.61	55.7	2212.55	412987	99.7115 ng/ml
Citalopram	5.224	931126	976.27	41.6	699.62	417843	94.8477 ng/ml
Clonazepam	5.615	1020771	1269.22	33.8	1937746.50	124155	106.5134 ng/ml
Cocaine	4.270	1309068	81301.60	46.8	∞	1002916	95.0010 ng/ml
Codeine	2.590	133194	∞	107.5	11859.90	65787	101.2702 ng/ml
Cyclobenzaprine	5.619	461601	22613.26	9.6	859.04	196693	95.3897 ng/ml
Dextromethorphan	5.273	545666	853.40	80.4	9750.51	254214	99.6553 ng/ml
Dextrophan	4.124	431885	21524.76	209.5	862.84	530786	96.5589 ng/ml
Diazepam	5.963	628712	14203.10	89.0	6930.85	302087	100.3364 ng/ml
Dihydrocodeine	2.569	362938	448.86	62.9	15639.17	197001	103.6168 ng/ml
Diphenhydramine	5.301	2662653	92579.84	31.6	32670.56	1642570	97.4025 ng/ml
Doxylamine	4.554	3186101	92461.51	102.2	112851.42	1402957	100.3976 ng/ml
EDDP	5.265	1483634	52862.99	41.7	388.34	784286	96.6170 ng/ml
Fentanyl	5.100	61061	544.78	73.6	124820.04	297543	9.7554 ng/ml
Fluoxetine	5.703	416256	493.29	8.7	1631.23	163237	100.6910 ng/ml
Hydrocodone	3.027	526086	∞	36.9	439.36	320720	104.7454 ng/ml
Hydromorphone	1.614	417032	1261.26	74.8	1723.94	128501	100.9406 ng/ml
Ketamine	4.058	1193380	53498.34	38.9	5620.05	536116	101.4160 ng/ml
Lamotrigine	4.286	94676	4261.36	79.7	6205.24	536116	101.4656 ng/ml
Lorazepam	5.749	801621	16270.91	55.5	5633.67	124155	97.2009 ng/ml
MDA	3.218	1849257	32110.07	21.5	1956.05	458322	106.4559 ng/ml
MDMA	3.311	1311525	100692.99	66.7	8947.05	129242	98.5132 ng/ml
Meprobamate	4.936	488938	878.43	26.9	7765.61	244250	107.2835 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	1518187	3075.81	51.9	5649.83	697813	95.9707 ng/ml
Methamphetamine	3.245	1881463	1959.02	39.5	14633.21	853329	103.4070 ng/ml
Metoprolol	4.339	265006	12318.61	91.4	∞	1405991	100.4174 ng/ml
Mirtazapine	4.623	1898191	76234.69	50.9	6174.18	705919	93.8141 ng/ml
Mitragynine	5.228	262215	225378.63	37.8	45809.25	697813	103.1907 ng/ml
Morphine	1.253	70312	680.64	33.6	2056.99	9310	102.1637 ng/ml
Norbuprenorphine	4.998	2743	320.36	98.2	1397.32	12323	9.8947 ng/ml
Nordiazepam	5.903	620360	1294.22	57.6	2182.83	201065	101.5504 ng/ml
Norfentanyl	4.092	255629	343.13	34.0	4472.66	1140927	9.5667 ng/ml
Norhydrocodone	3.075	53090	124.53	40.2	229.05	60174	91.4057 ng/ml
Noroxycodone	2.925	465539	2522.43	48.0	859.64	159865	103.1094 ng/ml
O-desmethyl-tramadol	3.383	2678553	56943.66	6.1	23796.18	1432164	98.9948 ng/ml
Oxazepam	5.759	1035773	∞	70.6	5216.00	602911	102.5448 ng/ml
Oxycodone	2.850	982597	3687.18	30.7	3098.41	423096	102.3838 ng/ml
Oxymorphone	1.403	400418	1828.07	48.3	∞	146924	98.5314 ng/ml
Phentermine	3.797	535546	7844.13	3.3	260.22	744529	106.1154 ng/ml
Promethazine	5.536	1084108	58972.77	30.2	4075.55	467441	92.3607 ng/ml
Quetiapine	5.539	866766	395010.03	57.0	∞	117799	103.3728 ng/ml
Sertraline	5.772	170412	2672.19	93.5	450.54	68810	100.3447 ng/ml
Temazepam	5.826	1909859	30891.51	29.2	∞	902191	96.7001 ng/ml
Tramadol	4.252	2822791	155870.36	3.4	2844.52	1405991	103.9993 ng/ml
Trazodone	5.120	992556	5071.02	75.9	136016.25	402340	94.0540 ng/ml
Venlafaxine	5.048	2136413	62265.43	37.0	34278.21	1158013	93.5316 ng/ml
Zolpidem	4.885	2678287	277440.89	30.8	75548.80	1310110	104.2522 ng/ml

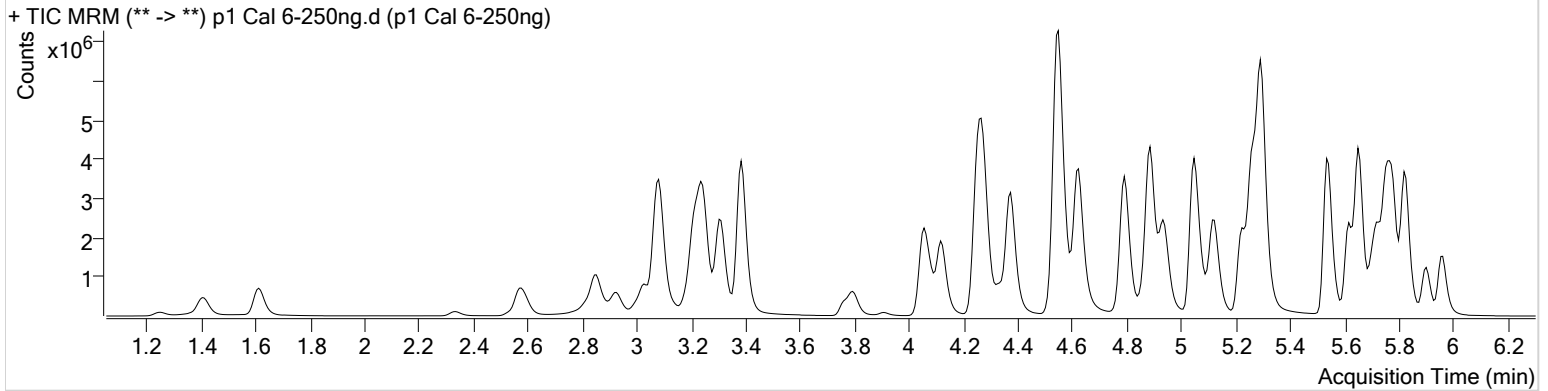
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-F1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 8:23:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	79195	987.28	74.2	261076.10	68619	25.2405 ng/ml
7-aminoclonazepam	4.277	801172	7365.27	82.6	6647.10	114402	244.5102 ng/ml
a-hydroxyalprazolam	5.701	567506	962.16	65.6	1026.15	62018	257.1231 ng/ml
alpha-PHP	4.942	1154175	4581.80	269.1	∞	781179	255.8099 ng/ml
alpha-PVP	4.376	4764613	319096.70	49.9	81170.73	781179	247.0898 ng/ml
Alprazolam	5.778	2134278	1150.49	106.0	∞	246062	237.3706 ng/ml
Amphetamine	3.084	6815388	89822.60	49.1	89659.92	343174	236.1819 ng/ml
Benzoylecgonine	3.905	122234	23029.82	7.5	2101.19	19216	247.0211 ng/ml
Buprenorphine	5.755	65224	11482.93	16.8	15910.33	108854	24.3163 ng/ml
Bupropion	4.793	5571184	234613.80	58.0	93956.92	708632	254.0999 ng/ml
Carisoprodol	5.727	2058871	134041.79	54.2	623.32	388267	255.9190 ng/ml
Citalopram	5.224	2894296	27172.06	40.5	2721.08	500225	244.7066 ng/ml
Clonazepam	5.615	2386750	99943.98	34.3	1350.83	122629	253.0575 ng/ml
Cocaine	4.270	3402161	64089.21	46.8	79774.74	996817	247.1477 ng/ml
Codeine	2.590	341757	11326.97	108.6	13201.06	67137	255.1682 ng/ml
Cyclobenzaprine	5.619	1591917	957.34	9.2	∞	253518	254.5665 ng/ml
Dextromethorphan	5.266	1646300	615.65	78.7	17823.17	303976	251.5324 ng/ml
Dextrophan	4.117	1206249	24856.88	214.6	2554.32	581325	245.3155 ng/ml
Diazepam	5.963	1639882	6920.62	88.2	∞	310829	254.6752 ng/ml
Dihydrocodeine	2.569	969035	1636.03	63.6	970.30	222969	245.1964 ng/ml
Diphenhydramine	5.294	8674759	320480.61	31.0	167202.55	1994791	260.0435 ng/ml
Doxylamine	4.548	10373971	365664.21	98.1	∞	1646972	278.8371 ng/ml
EDDP	5.265	4142801	2856.64	40.8	603.28	847992	249.3219 ng/ml
Fentanyl	5.100	219246	4014.58	71.6	342650.81	403105	25.7942 ng/ml
Fluxetine	5.703	1225568	41298.69	8.5	∞	195181	247.9089 ng/ml
Hydrocodone	3.027	1381661	284.92	38.3	∞	351850	251.9935 ng/ml
Hydromorphone	1.614	1159263	3217.39	73.0	∞	143965	250.9176 ng/ml
Ketamine	4.058	3285380	178157.69	37.8	1196.90	600898	249.7650 ng/ml
Lamotrigine	4.286	227773	9294.58	81.2	∞	600898	218.6804 ng/ml
Lorazepam	5.749	1491889	7606.74	55.5	24711.08	122629	184.0258 ng/ml
MDA	3.218	4099636	42110.36	21.2	826.70	465247	233.5705 ng/ml
MDMA	3.311	3645097	142209.72	66.5	1116076.34	139534	253.6017 ng/ml
Meprobamate	4.930	1048108	1610.06	26.7	20945.07	238875	236.4380 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	5206841	120245.86	50.8	2328.33	898279	255.1688 ng/ml
Methamphetamine	3.245	5288231	5300.24	38.1	35230.07	1015620	245.2358 ng/ml
Metoprolol	4.332	719605	14352.73	92.5	∞	1457249	263.6140 ng/ml
Mirtazapine	4.623	6001350	168799.12	49.8	214492.98	781179	266.7681 ng/ml
Mitragynine	5.228	833701	52370.28	38.1	8824.16	898279	255.1690 ng/ml
Morphine	1.253	194851	1475.71	34.1	6190.17	10758	245.5331 ng/ml
Norbuprenorphine	4.998	9436	212.28	90.0	2283.39	16445	25.5507 ng/ml
Nordiazepam	5.903	1561395	89501.56	57.7	17455.17	204917	251.0700 ng/ml
Norfentanyl	4.092	733842	31136.34	33.7	195.21	1223547	25.5528 ng/ml
Norhydrocodone	3.075	123820	768.49	40.2	178.49	53352	237.6846 ng/ml
Noroxycodone	2.925	1167504	1779.00	49.0	1265.50	166136	249.3260 ng/ml
O-desmethyl-tramadol	3.383	7720671	359440.17	5.9	11907.96	1540389	264.9382 ng/ml
Oxazepam	5.759	2190855	∞	70.7	15624.13	513299	255.1019 ng/ml
Oxycodone	2.850	2644916	6815.98	30.8	12921.27	464396	251.4749 ng/ml
Oxymorphone	1.403	1032739	584.80	47.2	637.00	153776	243.3026 ng/ml
Phentermine	3.797	1382744	∞	3.3	2443.99	862918	237.8994 ng/ml
Promethazine	5.536	3723626	3862.91	29.4	2660.33	612134	240.2714 ng/ml
Quetiapine	5.539	2641750	113103.91	57.3	∞	148377	251.0559 ng/ml
Sertraline	5.772	433800	25535.97	92.0	9771.24	68105	258.0120 ng/ml
Temazepam	5.826	5257180	129079.59	27.8	2588.57	939931	255.0525 ng/ml
Tramadol	4.252	7470861	∞	3.3	5184.52	1457249	266.1999 ng/ml
Trazodone	5.120	3347413	271698.88	74.8	4072.56	511884	248.1430 ng/ml
Venlafaxine	5.048	6416617	∞	35.2	1133.92	1293126	249.9762 ng/ml
Zolpidem	4.885	7874241	3840.62	29.0	5803.57	1510694	266.1803 ng/ml

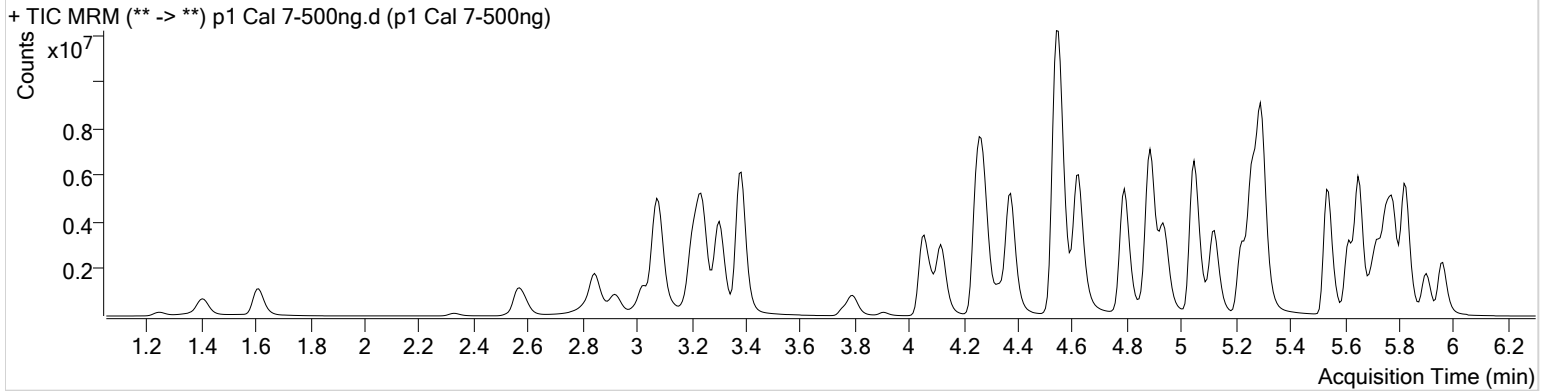
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument Falco **Data File** p1 Cal 7-500ng.d
Type Cal **Sample** p1 Cal 7-500ng
Acq. Method MDQ P1 060520.m **Operator** Celena Shrum
Sample Position P5-G1 **Comment**
Injection Volume 2
Acq. Date-Time 11/2/2020 8:33:47 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	153852	3393.48	73.7	23934.79	68443	49.2083 ng/ml
7-aminoclonazepam	4.284	1305036	1506.00	80.3	8363.66	86712	525.0489 ng/ml
a-hydroxyalprazolam	5.701	934931	2614.32	64.3	∞	55014	478.0428 ng/ml
alpha-PHP	4.942	1954668	86606.59	272.7	∞	677900	499.3934 ng/ml
alpha-PVP	4.376	8375911	1816.62	49.9	1336.08	677900	499.8231 ng/ml
Alprazolam	5.778	3614947	∞	103.6	∞	199916	492.7031 ng/ml
Amphetamine	3.078	10386196	130083.25	48.0	64471.61	292714	422.7965 ng/ml
Benzoylcegonine	3.905	224086	76557.70	7.5	16703.50	17857	487.5926 ng/ml
Buprenorphine	5.755	86642	2240.80	16.3	7909.68	73991	47.4931 ng/ml
Bupropion	4.793	8769767	270498.00	57.5	45364.88	561948	504.3566 ng/ml
Carisoprodol	5.727	3168988	146439.77	54.5	44995.36	311838	490.4960 ng/ml
Citalopram	5.224	4384195	6607.03	40.2	21930.49	380936	485.7834 ng/ml
Clonazepam	5.615	3806909	289564.57	33.7	53359.23	101355	488.9710 ng/ml
Cocaine	4.270	5758260	411206.90	46.3	133696.70	844024	493.2493 ng/ml
Codeine	2.590	584838	4638.08	103.6	13776.92	60884	481.8334 ng/ml
Cyclobenzaprine	5.619	1964639	108722.63	9.2	5246.45	157064	506.7090 ng/ml
Dextromethorphan	5.266	2102973	418.71	78.7	756.70	196699	496.5975 ng/ml
Dextrorphan	4.117	2080796	23184.28	217.1	65459.60	499154	492.2328 ng/ml
Diazepam	5.963	2655965	25715.67	88.2	651.25	255275	502.4444 ng/ml
Dihydrocodeine	2.562	1711786	1678.08	64.5	502.08	220597	438.2339 ng/ml
Diphenhydramine	5.301	12783505	127762.00	32.3	76794.46	1481977	515.0814 ng/ml
Doxylamine	4.549	18202738	299654.64	100.3	∞	1563065	515.7062 ng/ml
EDDP	5.265	7755647	1633.06	39.8	83009.78	757185	522.5898 ng/ml
Fentanyl	5.100	272732	1593.53	73.7	1054.52	263606	49.0340 ng/ml
Fluoxetine	5.703	1338935	27484.81	8.4	∞	110805	477.0594 ng/ml
Hydrocodone	3.027	2427399	374.93	37.3	664.98	337741	461.9513 ng/ml
Hydromorphone	1.614	1975188	∞	75.4	∞	123313	499.4295 ng/ml
Ketamine	4.050	5910228	∞	36.5	1487.11	538825	501.5353 ng/ml
Lamotrigine	4.293	320393	2911.98	80.7	∞	538825	343.4810 ng/ml
Lorazepam	5.749	1764490	∞	52.8	21198.30	101355	263.7619 ng/ml
MDA	3.211	5924521	979.89	20.4	∞	379711	414.2794 ng/ml
MDMA	3.304	6217541	171546.94	66.7	451786.42	117745	512.6273 ng/ml
Meprobamate	4.930	1470277	42923.23	26.9	59320.10	197645	401.6137 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	7629533	1755.86	50.4	58137.43	643674	521.4626 ng/ml
Methamphetamine	3.246	8926380	136514.92	37.2	∞	954671	440.9826 ng/ml
Metoprolol	4.332	1224659	∞	92.8	8979.41	1319794	495.6424 ng/ml
Mirtazapine	4.623	9814133	550987.94	49.1	172299.24	677900	502.1141 ng/ml
Mitragynine	5.228	1076069	29473.83	37.7	43527.50	643674	459.7866 ng/ml
Morphine	1.246	341048	1578.95	33.7	7181.69	9373	493.5962 ng/ml
Norbuprenorphine	4.998	13388	18352.21	91.0	1761.72	12878	46.3119 ng/ml
Nordiazepam	5.903	2475666	17036.05	56.7	976.54	164564	495.8826 ng/ml
Norfentanyl	4.092	1331645	3837.26	34.0	14177.54	1027401	55.1822 ng/ml
Norhydrocodone	3.075	218025	∞	40.2	234.18	46894	474.4690 ng/ml
Noroxycodone	2.918	1886926	321.95	48.8	281.10	139090	481.6486 ng/ml
O-desmethyl-tramadol	3.383	13786448	174897.48	6.0	43816.42	1389545	524.2362 ng/ml
Oxazepam	5.759	2895204	∞	69.8	10766.00	347156	498.6670 ng/ml
Oxycodone	2.843	4818643	12821.44	30.8	2687.32	438226	485.7616 ng/ml
Oxymorphone	1.403	1846735	∞	45.8	∞	129434	517.2761 ng/ml
Phentermine	3.797	2166038	∞	3.3	4108.53	785260	410.4036 ng/ml
Promethazine	5.536	4785942	4971.69	29.2	272235.65	388977	484.7425 ng/ml
Quetiapine	5.539	4146057	674848.20	57.8	98966.20	120262	486.7392 ng/ml
Sertraline	5.772	430738	11412.95	93.4	158.56	34804	501.2661 ng/ml
Temazepam	5.826	8999822	100703.55	26.8	19739.01	788237	520.3744 ng/ml
Tramadol	4.252	12701977	186319.67	3.3	8387.23	1319794	500.0893 ng/ml
Trazodone	5.120	4964803	186735.52	75.1	7268.10	366687	513.0106 ng/ml
Venlafaxine	5.048	11706479	489914.75	34.6	∞	1136796	517.7606 ng/ml
Zolpidem	4.885	13948648	220595.96	28.9	159859.80	1395616	510.6194 ng/ml

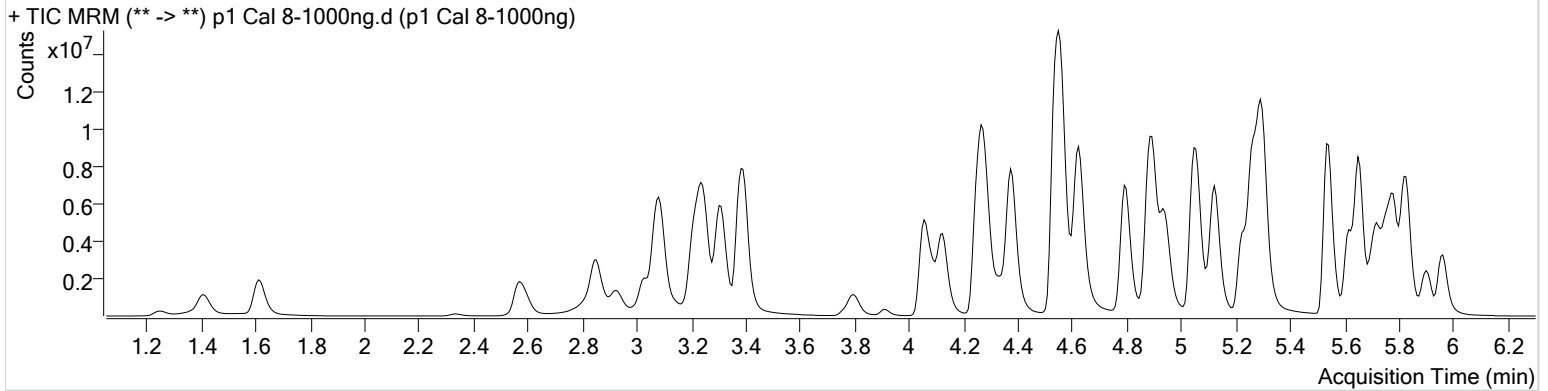
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 110220 CS\QuantResults\AM 28 P1 CS.batch.bin
Calibration Last Update 11/6/2020 11:54:30 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	Operator	Celena Shrum
Sample Position	P5-H1	Comment	
Injection Volume	2		
Acq. Date-Time	11/2/2020 8:44:21 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	305112	5849.45	71.9	10771.94	65947	101.3361 ng/ml
7-aminoclonazepam	4.291	1629832	7611.56	86.5	7150.83	55125	1031.1027 ng/ml
a-hydroxyalprazolam	5.702	1285276	445.80	64.4	∞	40722	888.3392 ng/ml
alpha-PHP	4.942	2914031	134676.45	277.3	110893.67	526939	957.9434 ng/ml
alpha-PVP	4.376	13141372	2124.32	51.3	2851.92	526939	1008.1421 ng/ml
Alprazolam	5.778	5463213	∞	103.3	∞	143808	1032.9512 ng/ml
Amphetamine	3.084	13864042	86795.68	48.1	82340.43	219697	752.7556 ng/ml
Benzoylecgonine	3.912	553505	1488.62	7.4	876.18	19780	1087.6190 ng/ml
Buprenorphine	5.755	115822	18679.34	16.1	20015.49	49898	94.1156 ng/ml
Bupropion	4.793	11626301	199758.90	57.8	69195.29	379301	990.5756 ng/ml
Carisoprodol	5.727	4383962	∞	53.0	18663.68	205778	1028.3382 ng/ml
Citalopram	5.224	6396236	2293.56	39.2	1123.85	262613	1026.9548 ng/ml
Clonazepam	5.615	4816869	∞	33.3	∞	73595	852.5562 ng/ml
Cocaine	4.277	9009714	151787.63	45.6	77460.51	640248	1016.5703 ng/ml
Codeine	2.597	934449	6004.59	104.1	∞	50751	923.9052 ng/ml
Cyclobenzaprine	5.619	4164026	1372.13	9.0	3878.23	153618	1097.5931 ng/ml
Dextromethorphan	5.273	2758320	263.11	78.2	781.68	126715	1011.1494 ng/ml
Dextrophan	4.124	3272505	1854.91	219.0	24802.55	379518	1017.5402 ng/ml
Diazepam	5.963	4181746	∞	87.8	10376.26	206404	978.5942 ng/ml
Dihydrocodeine	2.569	2781098	20369.23	65.8	1212.50	223401	703.3880 ng/ml
Diphenhydramine	5.301	17129639	185768.91	34.9	61119.78	1042395	980.5823 ng/ml
Doxylamine	4.548	26022275	103350.89	98.6	140899.44	1383583	833.0101 ng/ml
EDDP	5.265	12118948	7114.40	40.2	2601.33	582765	1060.8737 ng/ml
Fentanyl	5.100	524053	22470.10	72.4	3300.87	247720	100.2226 ng/ml
Fluoxetine	5.703	3599168	25126.39	8.4	164121.85	137242	1035.3250 ng/ml
Hydrocodone	3.027	4081283	∞	36.8	880.24	303607	864.7931 ng/ml
Hydromorphone	1.614	3461238	1452.01	75.1	1665.39	112370	960.6925 ng/ml
Ketamine	4.058	9800156	4614.28	36.2	5610.22	468073	957.7527 ng/ml
Lamotrigine	4.300	443338	9486.22	81.6	31873.66	468073	547.5895 ng/ml
Lorazepam	5.749	1766586	∞	57.3	20274.53	73595	364.0580 ng/ml
MDA	3.211	7570888	141844.04	21.1	∞	290464	692.6783 ng/ml
MDMA	3.311	9541584	292358.46	66.6	139173.92	92627	1000.0138 ng/ml
Meprobamate	4.936	2000947	42938.86	26.6	16399.48	152802	707.7928 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	11261826	253167.41	53.3	1734.86	474851	1043.0670 ng/ml
Methamphetamine	3.245	13265478	113508.12	36.8	101096.88	829941	754.3725 ng/ml
Metoprolol	4.339	1826136	9781.31	93.3	6968.28	1120557	870.7262 ng/ml
Mirtazapine	4.623	15018374	122684.79	50.9	91468.27	526939	987.8478 ng/ml
Mitragynine	5.228	1586944	23905.13	37.3	55924.25	474851	919.3529 ng/ml
Morphine	1.253	606050	∞	34.7	5610.75	8666	949.0714 ng/ml
Norbuprenorphine	4.998	21149	50688.44	92.7	2280.21	9076	103.8398 ng/ml
Nordiazepam	5.903	3670457	∞	56.8	1240.62	123885	976.8020 ng/ml
Norfentanyl	4.092	2370103	53968.71	33.7	344.01	801485	125.8561 ng/ml
Norhydrocodone	3.075	375698	639.01	43.6	81.13	36366	1052.2139 ng/ml
Noroxycodone	2.925	2906996	1644.83	48.2	∞	107653	959.0637 ng/ml
O-desmethyl-tramadol	3.390	21111724	∞	6.7	55007.26	1168647	954.3514 ng/ml
Oxazepam	5.753	2856803	10395.57	69.0	8038.24	186470	916.2564 ng/ml
Oxycodone	2.850	8811557	11208.20	30.3	4622.94	412996	942.8008 ng/ml
Oxymorphone	1.410	3166372	1803.54	46.9	6174.84	119220	963.1858 ng/ml
Phentermine	3.797	3258662	∞	3.0	4224.18	676916	717.1613 ng/ml
Promethazine	5.536	10009638	10826.67	29.1	87022.57	380520	1034.9682 ng/ml
Quetiapine	5.539	6370301	∞	58.3	∞	100891	891.9927 ng/ml
Sertraline	5.772	1172467	37123.08	91.6	24158.18	47221	1005.6178 ng/ml
Temazepam	5.826	13195734	182779.75	28.1	52313.93	599560	1002.8393 ng/ml
Tramadol	4.252	17404582	∞	3.7	18921.94	1120557	807.3223 ng/ml
Trazodone	5.120	9656596	2328.37	77.3	5014.53	311421	1173.9674 ng/ml
Venlafaxine	5.048	17927809	230527.03	36.6	5293.57	908571	991.2345 ng/ml
Zolpidem	4.890	21024984	149882.40	33.3	174693.28	1277250	841.1453 ng/ml