

REVIEWED
By Tamara Salazar at 10:48 am, Sep 16, 2022

Worklist: 6099

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-3141	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3299	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3541	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3561	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3600	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3617	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3631	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2113	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2113	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2113	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2644	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2667	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2673	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2681	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2685	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2721	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2747	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2748	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 09/09/2022

Analyst: Celena Shrum

Plate lot#: 220324

Plate Retest Date: 09/24/2022

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 22B52015-1

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

LCMS-QQ 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. (SKIPPED PER DEVIATION)
- 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)
- 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.
- 16. Add 50 ul 1% HCl in MeOH to all wells with samples.
- 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 18. 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.

Curve Limits: 7-aminoclonazepam 5-500 (Cal 8 removed due to accuracy), Amphetamine 5-250 (Cals 7 and 8 removed due to accuracy), Buprenorphine 0.5-50 (Cal 8 removed due to accuracy), Clonazolam 5-250 (Cals 7 and 8 removed due to accuracy), Codeine 5-500 (Cal 8 removed due to accuracy), Dihydrocodeine 5-500 (Cal 8 removed due to accuracy), Etizolam 5-500 (Cal 8 removed due to accuracy), MDA 5-500 (Cal 8 removed due to accuracy), Meprobamate 5-250 (Cals 7 and 8 removed due to accuracy), Methamphetamine 5-500 (Cal 8 removed due to accuracy), Norfentanyl 0.5-50 (Cal 8 removed due to accuracy), Norhydrocodone 5-500 (Cal 8 removed due to accuracy), Oxycodone 5-500 (Cal 8 removed due to accuracy), Phentermine 5-250 (Cals 7 and 8 removed due to accuracy).

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager



Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022



	1	2	3	4	5	6	7	8	9	10	11	12
A									P2022-2747-1	P2022-2113-4	M2022-3195-1	IS + Cal. 8
B									P2022-2721-1	P2022-2113-2	M2022-3141-1	IS + Cal. 7
C									P2022-2685-1	M2022-3631-3	Neg Ctrl	IS + Cal. 6
D									P2022-2681-1	M2022-3617-2	IS + QC_2	IS + Cal. 5
E									P2022-2673-1	M2022-3600-2	IS + QC_4	IS + Cal. 4
F									P2022-2667-1	M2022-3561-2	IS + QC_3	IS + Cal. 3
G									P2022-2644-1	M2022-3541-2	IS + QC_2	IS + Cal. 2
H								P2022-2748-1	P2022-2113-5	M2022-3299-1	IS + QC_1	IS + Cal. 1

	1	2	3	4	5	6	7	8	9	10	11	12
A							IS + Cal. 8 (P2)	P2022-2113-3 (P2)	P2022-2747-1	P2022-2113-4	M2022-3195-1	IS + Cal. 8
B							IS + Cal. 7 (P2)	P2022-2113-2 (P2)	P2022-2721-1	P2022-2113-2	M2022-3141-1	IS + Cal. 7
C							IS + Cal. 6 (P2)	Blood NEG (P2)	P2022-2685-1	M2022-3631-3	Neg Ctrl	IS + Cal. 6
D						P2022-2527-1 (P2)	IS + Cal. 5 (P2)	IS + QC_4 (P2)	P2022-2681-1	M2022-3617-2	IS + QC_2	IS + Cal. 5
E						P2022-2681-1 (P2)	IS + Cal. 4 (P2)	IS + QC_3 (P2)	P2022-2673-1	M2022-3600-2	IS + QC_4	IS + Cal. 4
F						P2022-2113-7 (P2)	IS + Cal. 3 (P2)	IS + QC_2 (P2)	P2022-2667-1	M2022-3561-2	IS + QC_3	IS + Cal. 3
G						P2022-2113-6 (P2)	IS + Cal. 2 (P2)	IS + QC_1 (P2)	P2022-2644-1	M2022-3541-2	IS + QC_2	IS + Cal. 2
H						P2022-2113-5 (P2)	IS + Cal. 1 (P2)	P2022-2748-1	P2022-2113-5	M2022-3299-1	IS + QC_1	IS + Cal. 1

SLE Map

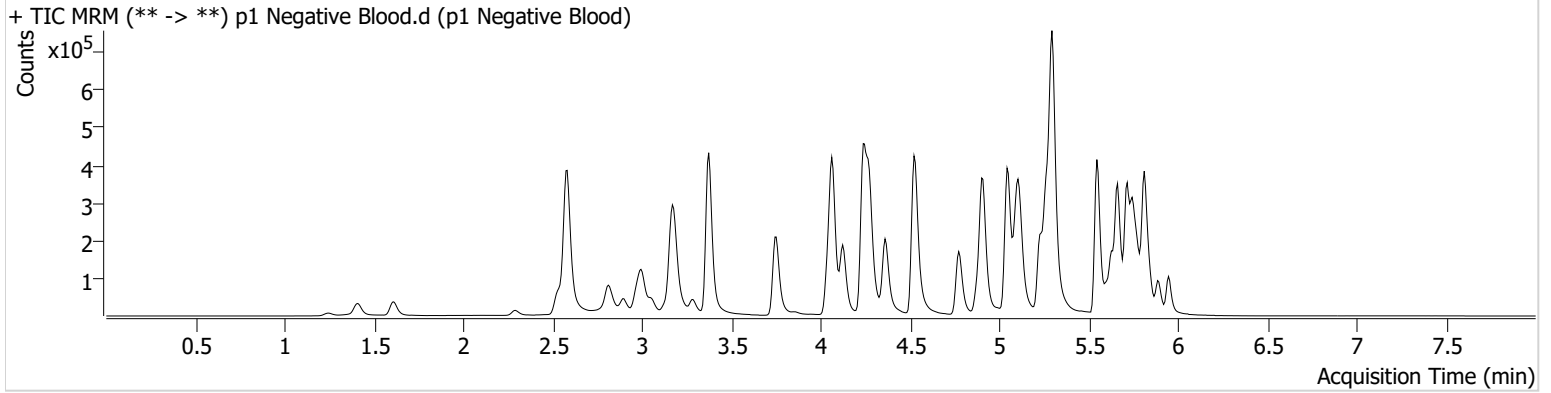
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-C11	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 5:28:14 PM		
Sample Info.			

Sample Chromatogram



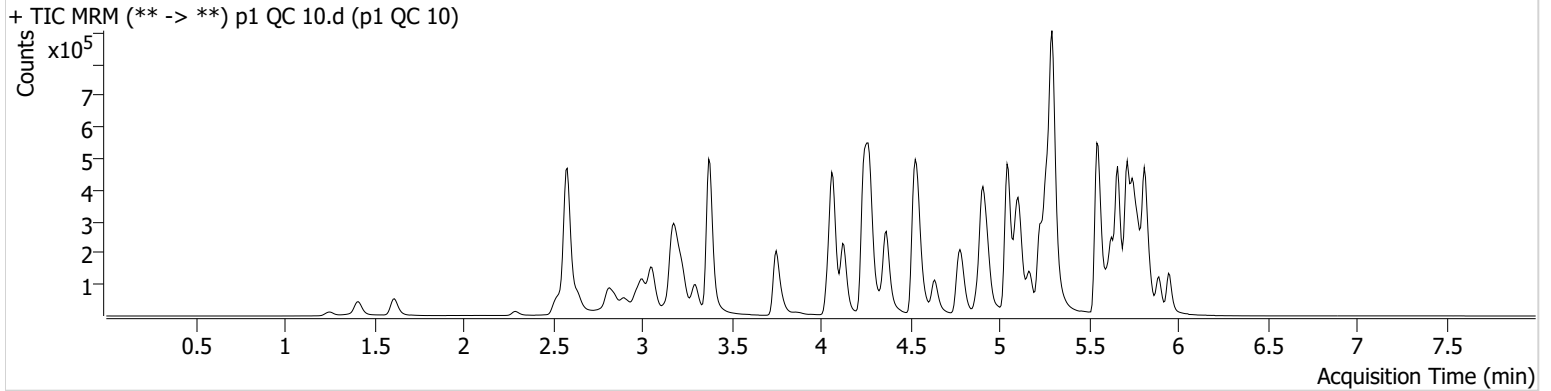
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-H11	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 4:03:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	2152	550.91	64.2	1817.27	48596	1.1487 ng/ml
7-aminoclonazepam	4.263	40092	1944.43	73.4	46.80	144427	10.6530 ng/ml
a-hydroxyalprazolam	5.692	22131	173.36	63.6	1894.46	671622	10.6721 ng/ml
alpha-PPH	4.936	37574	803.48	262.9	788.80	495761	10.4030 ng/ml
alpha-PVP	4.375	131930	442.96	49.6	2953.03	495761	9.8822 ng/ml
Alprazolam	5.776	69106	683.04	104.8	448.62	229374	10.3784 ng/ml
Amphetamine	3.058	229129	533.32	42.7	402.32	224676	10.4884 ng/ml
Benzoylecgonine	3.884	3469	135.41	8.1	20.41	10054	10.4369 ng/ml
Buprenorphine	5.860	3672	183.80	17.5	921.39	130537	0.9470 ng/ml
Bupropion	4.794	129267	9663.32	70.1	213.52	444694	9.9143 ng/ml
Carisoprodol	5.724	69833	3043.10	64.5	186.10	316054	9.7744 ng/ml
Citalopram	5.225	114198	2683.27	33.9	398.80	515133	9.8506 ng/ml
Clonazepam	5.605	71788	329.53	36.0	15677.62	94090	10.6085 ng/ml
Clonazepam	5.549	47210	51738.88	34.5	9426.93	94090	10.4314 ng/ml
Cocaine	4.269	87795	2690.42	57.1	462.79	714733	9.8939 ng/ml
Codeine	2.587	10819	101.73	106.2	306.79	55641	9.8065 ng/ml
Cyclobenzaprine	5.628	84020	5387.47	8.5	607.42	342489	10.1151 ng/ml
Dextromethorphan	5.275	61357	2994.33	81.8	348.63	248748	10.2707 ng/ml
Dextrophan	4.130	36753	478.36	201.5	349.47	390857	9.8491 ng/ml
Diazepam	5.954	43845	709.41	86.5	172.91	187253	10.8584 ng/ml
Dihydrocodeine	2.559	27703	291.89	68.2	344.83	165529	10.2352 ng/ml
Diphenhydramine	5.295	287347	366.32	30.8	229.71	1609126	10.2861 ng/ml
Doxylamine	4.542	263589	5902.07	99.4	647.36	1153603	9.9184 ng/ml
EDDP	5.261	100381	3190.12	43.4	3467.94	569974	9.3131 ng/ml
Etizolam	5.814	34379	38193.35	26.2	1038.15	94090	10.3978 ng/ml
Fentanyl	5.109	10251	204.74	64.9	14658.83	531818	1.0371 ng/ml
Flualprazolam	5.706	27307	2355.58	98.6	1873.90	229374	11.1822 ng/ml
Fluoxetine	5.721	108658	52139.83	7.9	51.99	388613	10.3265 ng/ml
Hydrocodone	3.027	42464	84.78	37.4	56.81	250772	9.6936 ng/ml
Hydromorphone	1.621	36877	2196.84	77.8	107526.50	115112	10.0179 ng/ml
Ketamine	4.056	91678	11244.72	34.2	36.12	373073	10.1396 ng/ml
Lamotrigine	4.285	7488	574.34	91.4	14346.93	1077993	9.9957 ng/ml
Lorazepam	5.747	64230	1139.85	50.6	124.22	434294	10.5845 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	140274	2764.25	32.9	100.43	298641	11.4297 ng/ml
MDMA	3.299	84281	1383.88	93.5	435.02	86474	9.9502 ng/ml
Meprobamate	4.903	36390	219.44	28.2	66.94	198618	10.5262 ng/ml
Methadone	5.660	164519	2833.13	59.7	1353.43	677721	10.0893 ng/ml
Methamphetamine	3.233	161138	955.86	37.8	215.59	633479	10.3027 ng/ml
Metoprolol	4.331	28862	372.34	93.6	887.31	1077993	10.6918 ng/ml
Mirtazapine	4.636	176758	1560.80	54.7	454.43	495761	9.6879 ng/ml
Mitragynine	5.243	38485	354.17	35.0	825.58	677721	10.1550 ng/ml
Morphine	1.261	6134	38.28	26.2	1652.66	8992	10.2825 ng/ml
Norbuprenorphine	4.998	466	146.43	99.5	189.20	18763	0.7532 ng/ml
Nordiazepam	5.893	46894	∞	55.5	643.36	151183	10.4533 ng/ml
Norfentanyl	4.090	21631	762.40	36.0	97.72	899427	0.9658 ng/ml
Norhydrocodone	3.075	6784	127.15	38.9	54.36	65343	9.2609 ng/ml
Noroxycodone	2.918	41775	253.75	47.9	965.45	117740	10.2638 ng/ml
O-desmethyl-tramadol	3.379	210013	705.50	6.0	197.72	1073267	9.8424 ng/ml
Oxazepam	5.750	77099	701.22	71.6	196.21	434294	10.1338 ng/ml
Oxycodone	2.843	79832	708.11	30.5	403.24	276365	9.8956 ng/ml
Oxymorphone	1.411	36160	895.69	47.8	702.89	108216	10.2626 ng/ml
Phentermine	3.787	46651	621.99	6.1	93.68	567928	10.4905 ng/ml
Promethazine	5.545	190288	463.23	31.3	148.51	802443	10.1959 ng/ml
Pseudoephedrine	2.590	216215	3067.39	17.2	2133.77	1077993	9.9620 ng/ml
Quetiapine	5.562	130103	8350.96	58.0	417.19	178402	9.8612 ng/ml
Sertraline	5.790	35614	160.80	95.5	122.22	136236	11.1650 ng/ml
Temazepam	5.817	132906	2879.08	27.8	83.89	671622	9.6963 ng/ml
Tramadol	4.251	224827	14564.67	3.5	203.83	1002298	10.2268 ng/ml
Trazodone	5.168	135260	3798.62	79.8	777.78	543735	10.3674 ng/ml
Venlafaxine	5.050	194860	2291.58	33.4	415.76	998898	10.3397 ng/ml
Zolpidem	4.927	190833	969.43	30.6	138.50	885566	10.5453 ng/ml

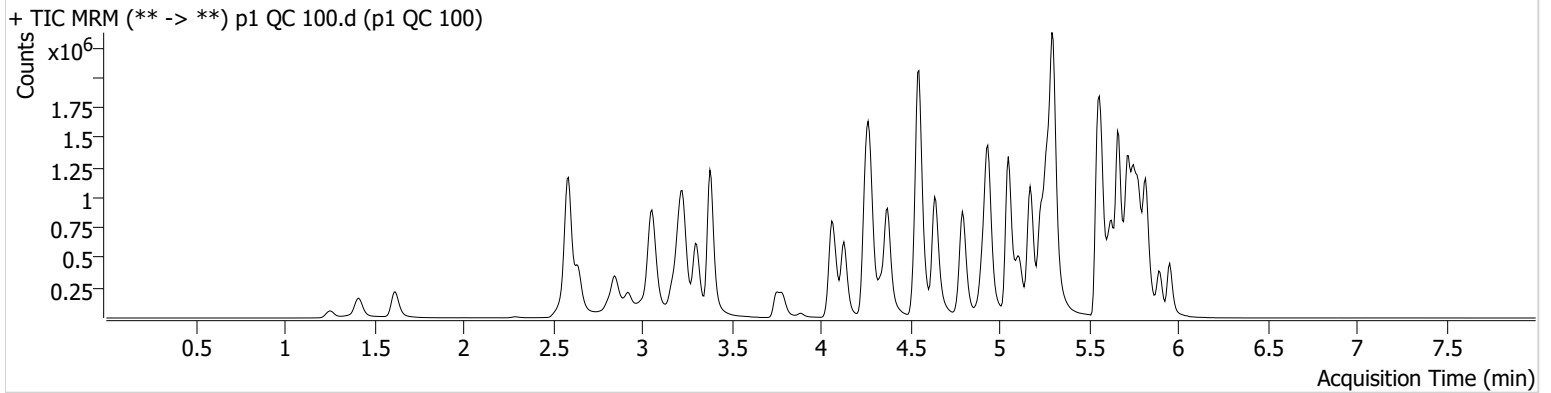
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-G11	Comment	
Injection Volume	2		
Acq. Date-Time	9/10/2022 12:43:40 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	19428	20842.70	69.2	474.96	49134	9.8854 ng/ml
7-aminoclonazepam	4.270	335531	72005.08	72.2	9149.72	127614	107.0925 ng/ml
a-hydroxyalprazolam	5.692	167104	∞	68.0	1857.63	553407	106.2476 ng/ml
alpha-PHP	4.943	339402	945.18	260.5	31812.91	467849	107.2715 ng/ml
alpha-PVP	4.375	1242310	31931.34	51.8	1551.71	467849	98.0620 ng/ml
Alprazolam	5.776	615013	1944.72	107.4	956.64	210767	99.3222 ng/ml
Amphetamine	3.058	1842549	564.23	42.9	887.49	219340	96.7474 ng/ml
Benzoylcegonine	3.884	33136	900.45	8.2	2280.46	10541	103.6031 ng/ml
Buprenorphine	5.860	37517	13004.43	15.9	14123.29	129929	9.9791 ng/ml
Bupropion	4.794	1258532	55150.28	70.1	2225.37	439472	99.8102 ng/ml
Carisoprodol	5.724	553612	1566787.69	61.5	544.29	244718	98.2835 ng/ml
Citalopram	5.232	1054440	16059.86	35.1	215.37	461739	101.1775 ng/ml
Clonazepam	5.612	600916	7034.87	34.4	1076.43	83421	108.3953 ng/ml
Clonazepam	5.549	381515	803320.36	35.7	257037.68	83421	104.8630 ng/ml
Cocaine	4.276	810387	41217.45	56.3	510.03	654827	100.1364 ng/ml
Codeine	2.587	100108	3722.92	102.5	197861.95	50923	106.3744 ng/ml
Cyclobenzaprine	5.635	795071	74332.52	8.2	994.00	325529	94.8693 ng/ml
Dextromethorphan	5.275	554186	227.55	83.0	22074.81	228639	101.2909 ng/ml
Dextrophan	4.130	361763	1447.95	202.8	15753.63	370771	99.8150 ng/ml
Diazepam	5.954	403821	3658.25	90.0	2983.58	177133	107.5901 ng/ml
Dihydrocodeine	2.559	271625	6806.91	68.3	16052.78	168184	105.1637 ng/ml
Diphenhydramine	5.302	2740788	111194.95	31.1	15419.70	1482138	105.7814 ng/ml
Doxylamine	4.548	2645616	176971.19	98.0	293151.44	1133859	102.1308 ng/ml
EDDP	5.267	975367	950.79	42.0	313.59	537207	95.2691 ng/ml
Etizolam	5.814	289483	153064.39	27.6	1053.84	83421	92.7502 ng/ml
Fentanyl	5.109	106015	6082.22	63.1	∞	551125	10.2529 ng/ml
Flualprazolam	5.706	237767	9653.32	101.7	33277.07	210767	109.9509 ng/ml
Fluoxetine	5.721	842802	109114.08	7.9	7523.53	310994	96.2111 ng/ml
Hydrocodone	3.027	389177	1091.82	37.5	155.68	234652	105.9286 ng/ml
Hydromorphone	1.621	357545	3602.76	77.2	2949147.72	112495	99.4601 ng/ml
Ketamine	4.063	858736	42132.56	34.4	1160.15	363982	103.5636 ng/ml
Lamotrigine	4.292	67890	814.16	90.3	136926.05	964587	108.3287 ng/ml
Lorazepam	5.747	425614	1875.35	51.5	578.71	325445	102.9737 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1122385	4023.88	31.6	1982.54	274102	108.6969 ng/ml
MDMA	3.306	798988	9192.43	92.2	4490.02	82267	99.5804 ng/ml
Meprobamate	4.903	305594	95273.33	28.0	252.74	186795	101.7717 ng/ml
Methadone	5.666	1619695	1035.79	58.2	4646.23	657592	99.3918 ng/ml
Methamphetamine	3.233	1444296	1079.77	38.1	5119.78	627415	105.4002 ng/ml
Metoprolol	4.338	258216	506919.56	96.7	31197.37	964587	106.8593 ng/ml
Mirtazapine	4.636	1747777	102532.38	52.8	7542.76	467849	100.8099 ng/ml
Mitragynine	5.243	367771	513604.36	36.8	347095.03	657592	106.5579 ng/ml
Morphine	1.261	58360	1214.89	26.7	243.90	9373	95.6122 ng/ml
Norbuprenorphine	5.005	4798	2547.10	87.9	221.77	18220	11.1962 ng/ml
Nordiazepam	5.900	404597	1687.52	55.3	680.54	134595	104.4476 ng/ml
Norfentanyl	4.090	209911	242.43	37.0	3675.35	828294	9.6813 ng/ml
Norhydrocodone	3.075	59044	203.10	37.5	273.60	47295	99.9324 ng/ml
Noroxycodone	2.925	372008	1591.34	47.9	499.96	110890	98.0103 ng/ml
O-desmethyl-tramadol	3.386	2025278	29579.72	5.9	3950.13	1033000	96.9655 ng/ml
Oxazepam	5.750	581857	4604.73	72.4	2134.74	325445	107.0832 ng/ml
Oxycodone	2.843	754891	1401.38	30.6	7570.09	276086	112.9624 ng/ml
Oxymorphone	1.411	352128	∞	46.1	∞	105743	105.1940 ng/ml
Phentermine	3.787	415211	458.59	6.0	563.38	549754	100.9865 ng/ml
Promethazine	5.552	1810949	46033.12	30.7	2822.68	756877	99.1220 ng/ml
Pseudoephedrine	2.590	1979580	731.44	17.4	129142.83	964587	98.2682 ng/ml
Quetiapine	5.569	1233462	95796.23	59.0	23884522.88	170619	102.7270 ng/ml
Sertraline	5.790	259884	861.89	94.5	2336.72	107860	101.5131 ng/ml
Temazepam	5.817	1087994	36334.82	28.2	432.11	553407	96.6687 ng/ml
Tramadol	4.257	2097724	771654.40	3.3	229.43	997242	99.9198 ng/ml
Trazodone	5.168	1352552	116809.03	81.2	490009.86	563798	106.7836 ng/ml
Venlafaxine	5.050	1911860	147474.34	32.0	47056.93	964714	101.5709 ng/ml
Zolpidem	4.927	1833211	2521950.66	30.1	4420.01	865267	110.2537 ng/ml

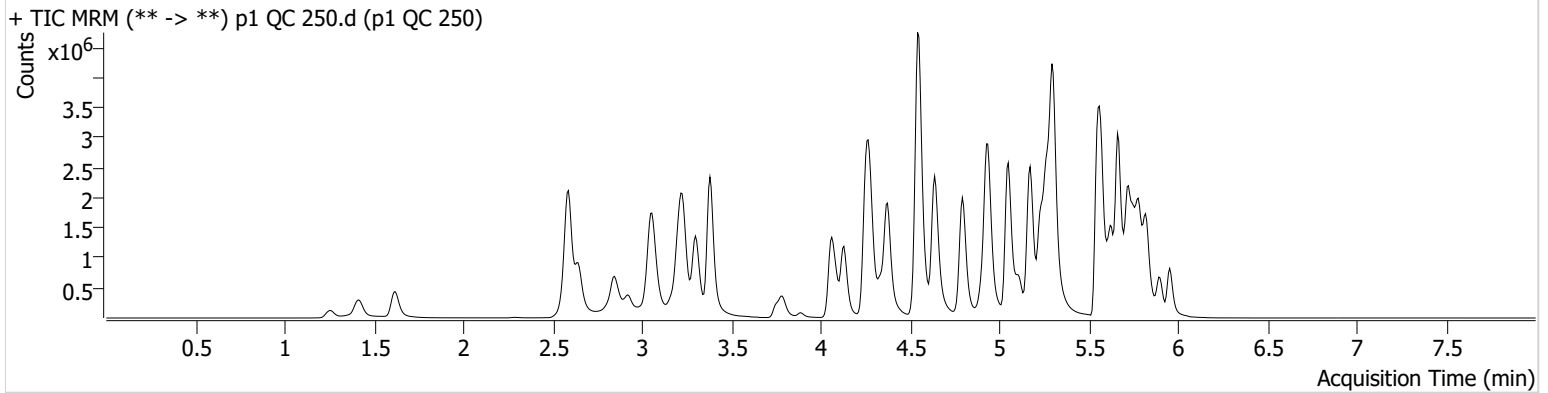
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-F11	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 4:24:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	48600	7586.01	70.0	64336.74	47514	25.4977 ng/ml
7-aminoclonazepam	4.270	606491	9228.51	72.3	8797.69	101158	245.1357 ng/ml
a-hydroxyalprazolam	5.692	270318	1992.83	68.0	237.39	394187	242.6108 ng/ml
alpha-PHP	4.943	753752	18059.69	258.2	21819.41	446395	250.8727 ng/ml
alpha-PVP	4.375	3039290	55837.00	50.3	22206.42	446395	251.3420 ng/ml
Alprazolam	5.776	1283497	4133.40	105.7	845.05	173596	251.4524 ng/ml
Amphetamine	3.058	3769430	27450.73	43.5	19289.04	214438	204.0104 ng/ml
Benzoylecgonine	3.884	81168	631.31	8.2	7763.68	10382	259.2269 ng/ml
Buprenorphine	5.860	93706	4190.51	15.6	45350.55	120033	27.0272 ng/ml
Bupropion	4.794	3131864	198868.66	68.6	31240.92	429423	254.5641 ng/ml
Carisoprodol	5.724	938167	151510.77	60.9	4023.59	156086	260.8092 ng/ml
Citalopram	5.225	2372551	83350.76	33.7	48791.05	406744	258.3866 ng/ml
Clonazepam	5.605	1123121	57496.86	34.3	27907.93	66109	256.9728 ng/ml
Clonazepam	5.549	629866	4809.33	36.5	455657.42	66109	219.7685 ng/ml
Cocaine	4.276	1822133	22798.50	57.2	89470.75	592256	249.0160 ng/ml
Codeine	2.587	197638	4224.01	99.3	6302.16	46221	232.3060 ng/ml
Cyclobenzaprine	5.628	1804381	711.27	8.2	89.04	278185	250.8650 ng/ml
Dextromethorphan	5.275	1164141	32366.65	81.3	115148.82	192485	252.8022 ng/ml
Dextrophan	4.130	837338	25180.09	203.3	876.49	338265	252.8430 ng/ml
Diazepam	5.954	869070	802.95	87.7	4161.26	155200	264.5813 ng/ml
Dihydrocodeine	2.559	611508	367.59	69.0	379.39	164381	243.1954 ng/ml
Diphenhydramine	5.302	6069767	39429.60	31.2	19604.58	1298362	267.3029 ng/ml
Doxylamine	4.542	6595498	91904.66	96.3	112620.21	1115164	259.0210 ng/ml
EDDP	5.267	2285198	65399.96	41.9	35226.99	507754	236.0366 ng/ml
Etizolam	5.814	640248	14547.08	27.5	379753.19	66109	257.5915 ng/ml
Fentanyl	5.109	257013	17517.82	64.6	19820.89	531292	25.7679 ng/ml
Flualprazolam	5.706	452434	13471.86	106.0	838023.38	173596	254.6358 ng/ml
Fluoxetine	5.721	1776480	56194.65	7.7	122572.44	248536	253.0296 ng/ml
Hydrocodone	3.027	872196	386.67	37.5	176.88	229953	243.8588 ng/ml
Hydromorphone	1.621	818122	6163.71	77.9	1030925.80	102908	248.7940 ng/ml
Ketamine	4.056	2061497	102612.01	33.7	1200.93	359263	252.9174 ng/ml
Lamotrigine	4.292	141088	6398.46	90.4	186216.86	857912	254.1509 ng/ml
Lorazepam	5.747	572578	1607.96	52.5	2167.60	199264	227.6841 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	2125695	5002.62	30.3	4431.35	224632	252.7365 ng/ml
MDMA	3.299	1865809	3924.23	91.9	10120.48	75335	254.0141 ng/ml
Meprobamate	4.903	561925	12601.47	28.0	9633.99	161413	217.6714 ng/ml
Methadone	5.660	3778203	117332.58	57.2	42668.66	593021	256.5757 ng/ml
Methamphetamine	3.227	3361632	2363.04	38.7	1332.50	645681	240.2878 ng/ml
Metoprolol	4.338	564184	1286828.09	98.1	127065.44	857912	262.5046 ng/ml
Mirtazapine	4.636	4150770	221130.15	53.1	108756.28	446395	250.8084 ng/ml
Mitragynine	5.243	777185	1904922.44	36.6	405104.75	593021	250.6938 ng/ml
Morphine	1.261	134310	8782.81	27.5	689.34	8289	249.1589 ng/ml
Norbuprenorphine	5.005	10200	45.41	95.6	23271.30	18298	24.0726 ng/ml
Nordiazepam	5.900	820066	42893.25	55.0	902.87	111091	257.0181 ng/ml
Norfentanyl	4.090	519433	11239.69	35.7	4545.57	738568	26.7749 ng/ml
Norhydrocodone	3.075	136132	854.03	39.0	180.46	40074	270.1415 ng/ml
Noroxycodone	2.918	712879	938.15	49.9	4556.70	85912	242.5922 ng/ml
O-desmethyl-tramadol	3.379	4940396	39887.92	5.9	20679.45	977429	249.6936 ng/ml
Oxazepam	5.750	822857	6514.13	74.9	3104.63	199264	248.0560 ng/ml
Oxycodone	2.836	1703902	873.78	30.4	548.91	266204	267.4943 ng/ml
Oxymorphone	1.411	757662	730.17	48.3	∞	92975	257.8966 ng/ml
Phentermine	3.787	915425	1918.93	5.7	1528.53	550906	222.8456 ng/ml
Promethazine	5.545	4352189	4950.19	30.2	12834.45	708106	253.9760 ng/ml
Pseudoephedrine	2.590	4524486	26988.13	16.8	942.24	857912	251.9042 ng/ml
Quetiapine	5.569	2628664	61335.46	59.7	93303.36	151802	246.8396 ng/ml
Sertraline	5.790	583479	1360.43	94.2	760.00	95106	258.2126 ng/ml
Temazepam	5.817	1922379	40277.90	27.0	263.33	394187	239.8511 ng/ml
Tramadol	4.251	4839397	76147.88	3.4	629.67	910199	253.2888 ng/ml
Trazodone	5.168	3217288	234729.31	82.3	104782.81	557948	257.7717 ng/ml
Venlafaxine	5.050	4580649	161595.93	31.5	1160.35	893401	262.1785 ng/ml
Zolpidem	4.927	4206985	202986.20	29.0	2501.11	814942	269.7126 ng/ml

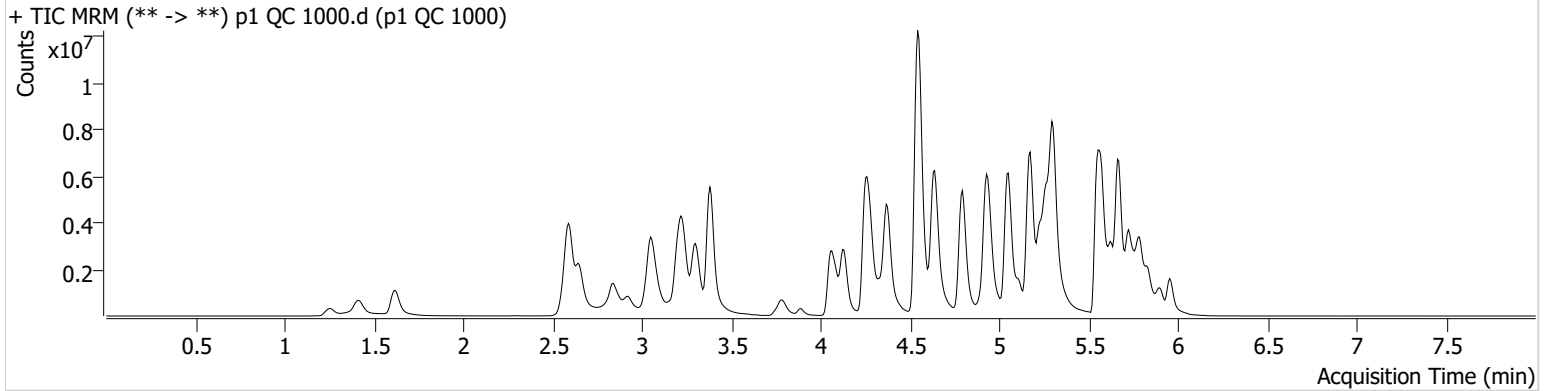
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-E11	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 4:45:41 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	165088	34759.27	69.9	228655.76	40043	102.6331 ng/ml
7-aminoclonazepam	4.270	728011	∞	73.0	4273.32	42049	709.2655 ng/ml *
a-hydroxyalprazolam	5.685	328213	832.29	67.5	314.46	130409	893.1674 ng/ml
alpha-PHP	4.943	1769885	136261.43	263.8	193331.24	313671	840.4331 ng/ml
alpha-PVP	4.375	8838549	5238.36	51.2	1300.37	313671	1040.0159 ng/ml
Alprazolam	5.776	2672687	668.20	105.5	475.72	94849	957.9470 ng/ml
Amphetamine	3.051	7652744	68015.53	44.3	60313.73	173515	514.0264 ng/ml *
Benzoylcegonine	3.884	321662	765.32	8.0	2438.40	10090	1060.2589 ng/ml
Buprenorphine	5.860	343853	261397.67	15.0	61328.03	95666	124.5384 ng/ml *
Bupropion	4.794	9597347	394018.34	66.8	128005.49	361219	928.0245 ng/ml
Carisoprodol	5.731	1281505	142951.29	62.9	6133.88	52702	1054.5267 ng/ml
Citalopram	5.225	5103992	∞	34.5	28611.03	218637	1034.0043 ng/ml
Clonazepam	5.605	1735737	2829.57	34.2	95822.14	30441	864.7619 ng/ml
Clonazepam	5.542	748488	966255.13	38.0	357878.28	30441	569.0554 ng/ml *
Cocaine	4.269	4611925	133006.38	56.7	761.62	366979	1017.3359 ng/ml
Codeine	2.587	419472	3761.48	97.2	21353.09	30082	759.3637 ng/ml *
Cyclobenzaprine	5.628	4434272	121371.48	7.6	4754.03	155288	1102.1907 ng/ml
Dextromethorphan	5.275	2372284	37902.23	81.6	48358.84	97295	1019.2932 ng/ml
Dextrophan	4.130	2463264	79989.91	201.6	429813.91	232375	1081.9176 ng/ml
Diazepam	5.954	2057822	11690.32	91.2	520.72	98675	985.9437 ng/ml
Dihydrocodeine	2.559	1554433	41848.18	70.9	19258.10	146032	697.2502 ng/ml *
Diphenhydramine	5.302	15010259	51472.86	31.2	67166.57	774404	1108.0284 ng/ml
Doxylamine	4.542	20011103	326169.00	96.7	35304.44	916958	956.0048 ng/ml
EDDP	5.261	6872751	81204.62	40.7	72352.01	354378	1016.8567 ng/ml
Etizolam	5.814	1478103	64091.64	27.1	33636.25	30441	1288.6340 ng/ml *
Fentanyl	5.109	969681	3723.63	64.7	7394.75	482616	106.9907 ng/ml
Flualprazolam	5.706	803534	36486.90	111.3	63723.51	94849	828.7665 ng/ml
Fluoxetine	5.721	3606852	42544.95	7.7	26060.37	119338	1068.4789 ng/ml
Hydrocodone	3.021	2520548	∞	38.9	218.66	185551	876.5844 ng/ml
Hydromorphone	1.615	2464082	7981869.38	77.4	7866500.58	77101	1000.1766 ng/ml
Ketamine	4.056	5874980	13805.96	33.1	48112.95	290937	891.8715 ng/ml
Lamotrigine	4.292	270760	10460.48	85.9	125999.39	492025	852.2442 ng/ml
Lorazepam	5.747	638499	14100.06	52.3	665.87	53778	944.5065 ng/ml

AM #28 Multi-Drug Quant. Results



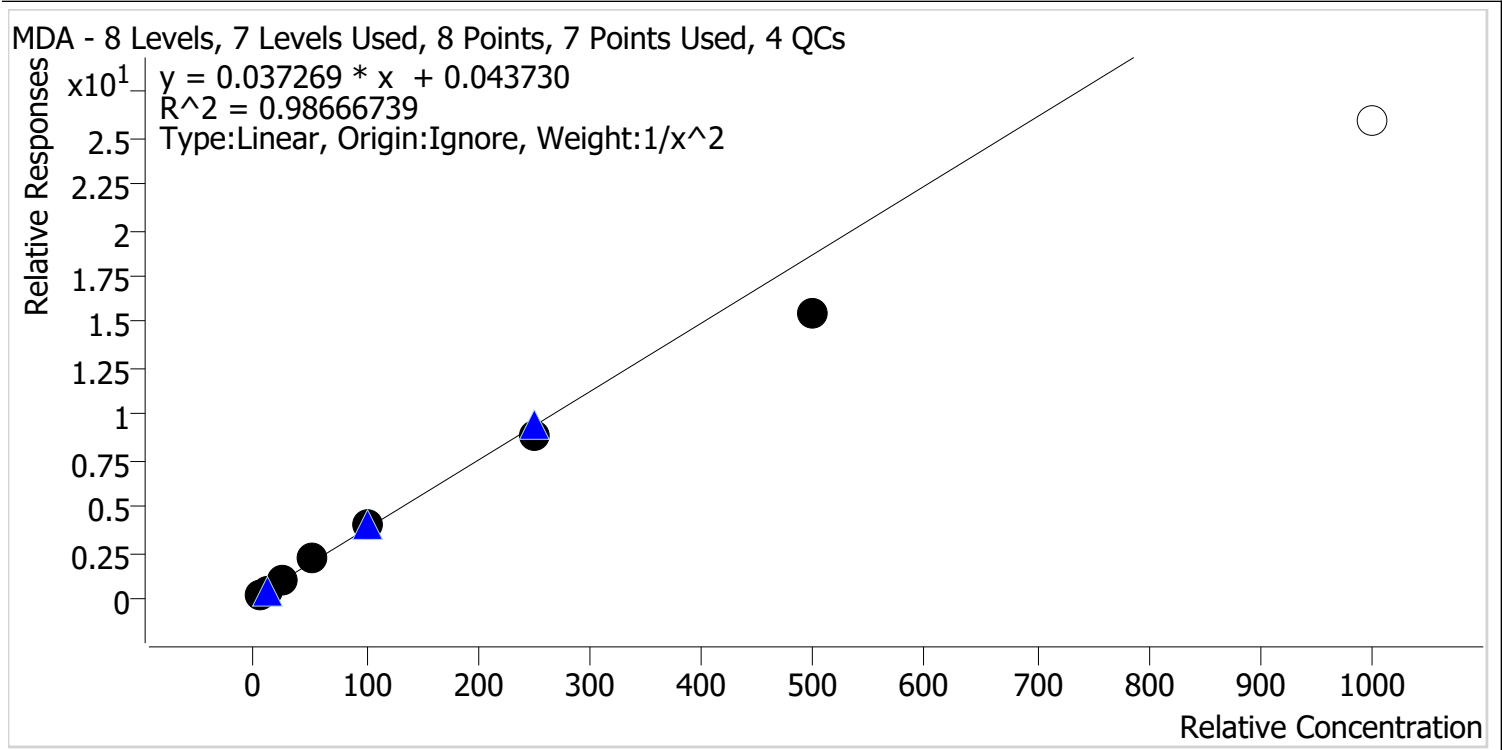
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.192	3829139	95504.48	28.0	3257.29	143319	715.7096 ng/ml*
MDMA	3.299	4732510	226254.25	95.9	58893.33	52472	925.1482 ng/ml
Meprobamate	4.896	860598	25067.25	27.2	10151.07	114474	471.1974 ng/ml*
Methadone	5.666	10245170	162931.55	54.8	78161.19	380068	1084.5183 ng/ml
Methamphetamine	3.227	9016371	82995.05	37.3	65091.34	606868	688.5054 ng/ml*
Metoprolol	4.331	1265339	642526.40	99.3	39399.64	492025	1026.5311 ng/ml
Mirtazapine	4.636	12331906	619407.16	51.0	260705.11	313671	1060.2091 ng/ml
Mitragynine	5.236	1817714	408577.98	37.9	301202.66	380068	916.8166 ng/ml
Morphine	1.253	386493	∞	26.6	760.00	6603	900.6034 ng/ml
Norbuprenorphine	4.998	35866	21846.86	90.8	311.01	15115	103.5555 ng/ml
Nordiazepam	5.900	1507706	1115.62	54.7	2683.57	54817	958.6060 ng/ml
Norfentanyl	4.090	1527498	474238.05	35.9	7857.23	423493	137.1016 ng/ml*
Norhydrocodone	3.075	445055	∞	40.3	630.00	26771	1317.9826 ng/ml*
Noroxycodone	2.918	1535940	13852.86	48.5	4371.24	44031	1020.1974 ng/ml
O-desmethyl-tramadol	3.379	14870835	188134.49	5.7	11498.96	711540	1031.8709 ng/ml
Oxazepam	5.750	825060	21227.09	75.0	4218.08	53778	923.0833 ng/ml
Oxycodone	2.829	4312412	704.38	30.1	586.13	213926	847.3429 ng/ml*
Oxymorphone	1.411	2195267	∞	44.6	549.42	71955	966.4156 ng/ml
Phentermine	3.787	2296437	∞	5.4	79.20	478369	644.8428 ng/ml*
Promethazine	5.545	12071388	194926.50	28.5	144069.78	472549	1054.2827 ng/ml
Pseudoephedrine	2.590	11160380	∞	16.5	75551.03	492025	1082.1192 ng/ml
Quetiapine	5.569	6180410	219653.02	59.4	5216.96	96759	912.0116 ng/ml
Sertraline	5.790	1202450	313.62	92.7	37306.16	45413	1113.8655 ng/ml
Temazepam	5.831	2700463	26038.97	26.9	2223.11	130409	1018.5640 ng/ml
Tramadol	4.251	12853428	1306.40	3.3	9980.38	683242	897.4183 ng/ml
Trazodone	5.168	9705419	649235.05	81.8	185877.65	511652	849.7684 ng/ml
Venlafaxine	5.050	13596901	12175.19	30.4	14450.54	635671	1092.5626 ng/ml
Zolpidem	4.927	10926669	9521.40	28.0	101661.03	661835	864.2081 ng/ml

*Outside curve range.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte MDA **Internal Standard** MDA-D5



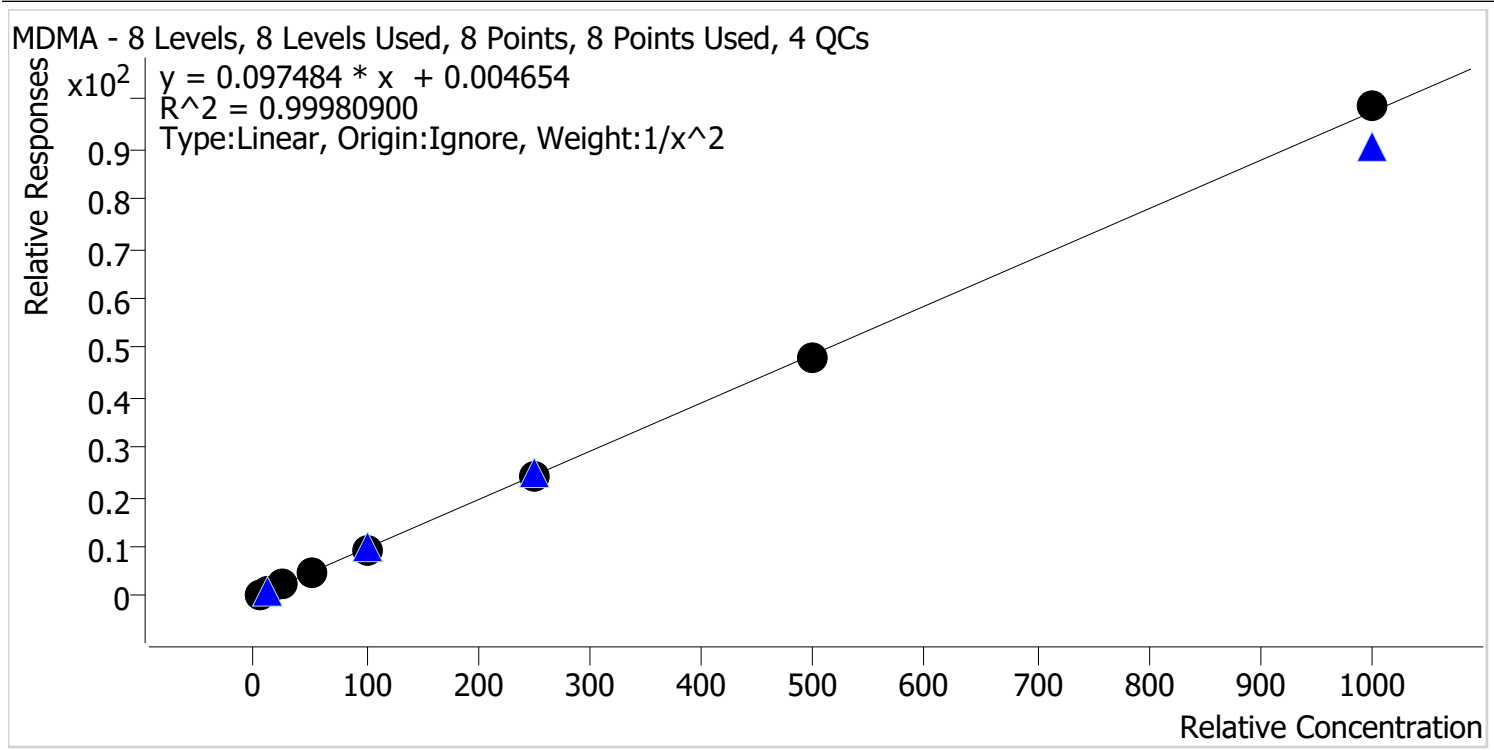
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.2
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	233.9	93.6
p1 Cal 7-500ng	7	✓	500.0	414.9	83.0
p1 Cal 8-1000ng	8	x	1000.0	694.5	69.5

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte MDMA **Internal Standard** MDMA-D6



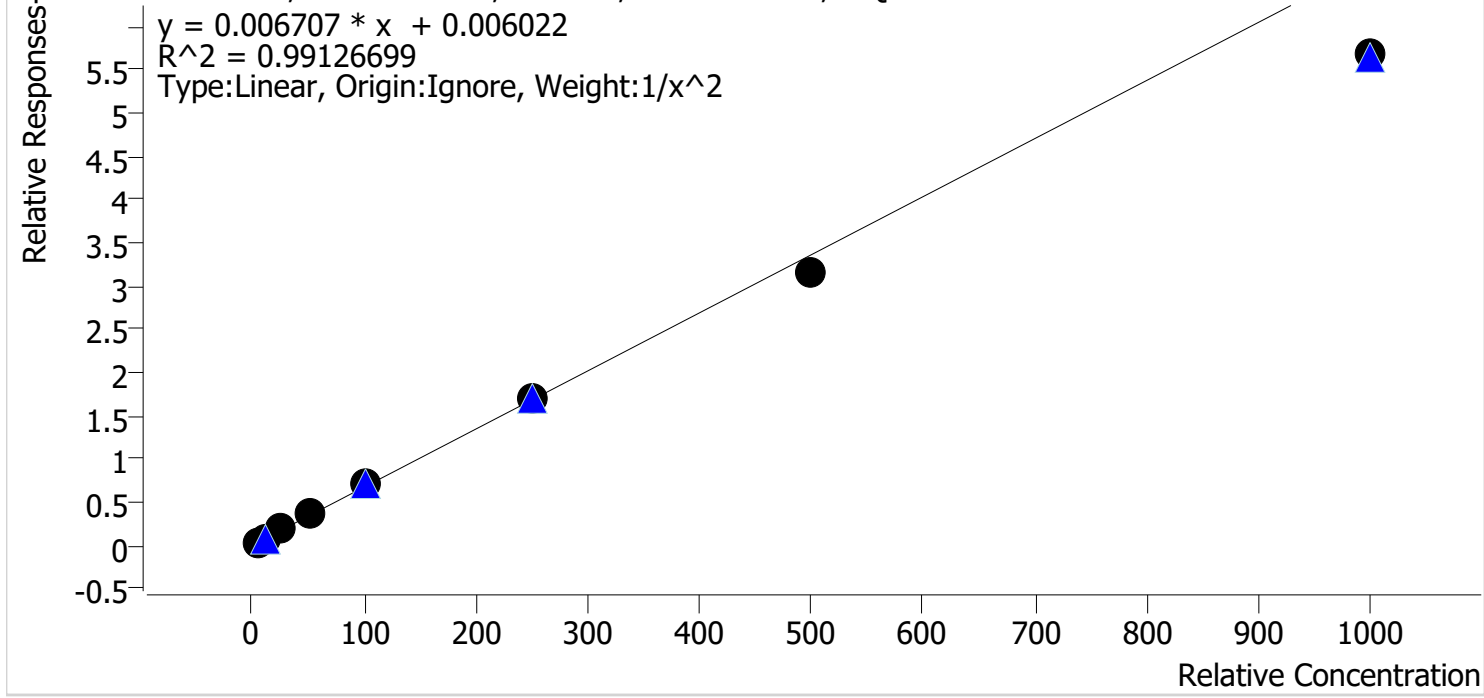
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1011.6	101.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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

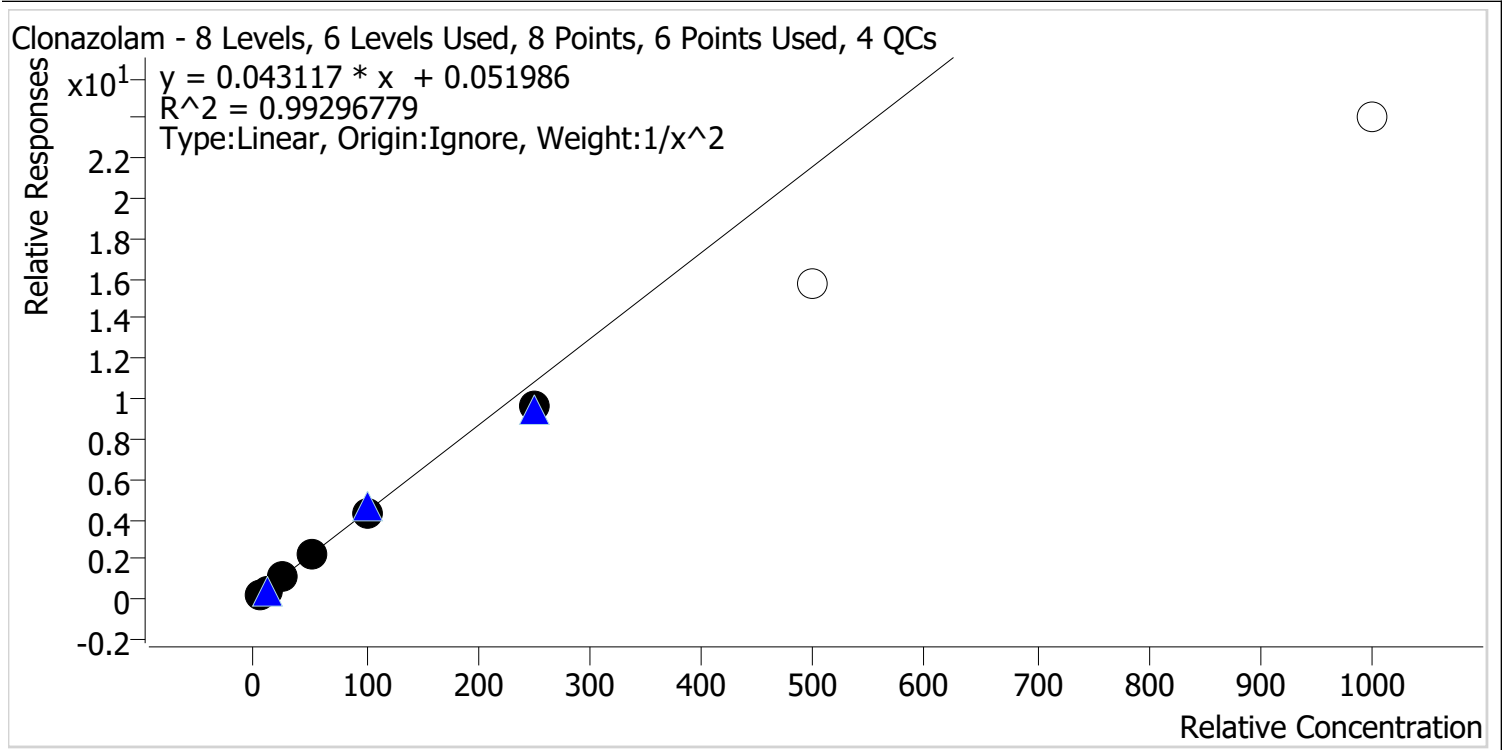


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	469.3	93.9
p1 Cal 8-1000ng	8	✓	1000.0	845.2	84.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Clonazolam **Internal Standard** Clonazepam-D4

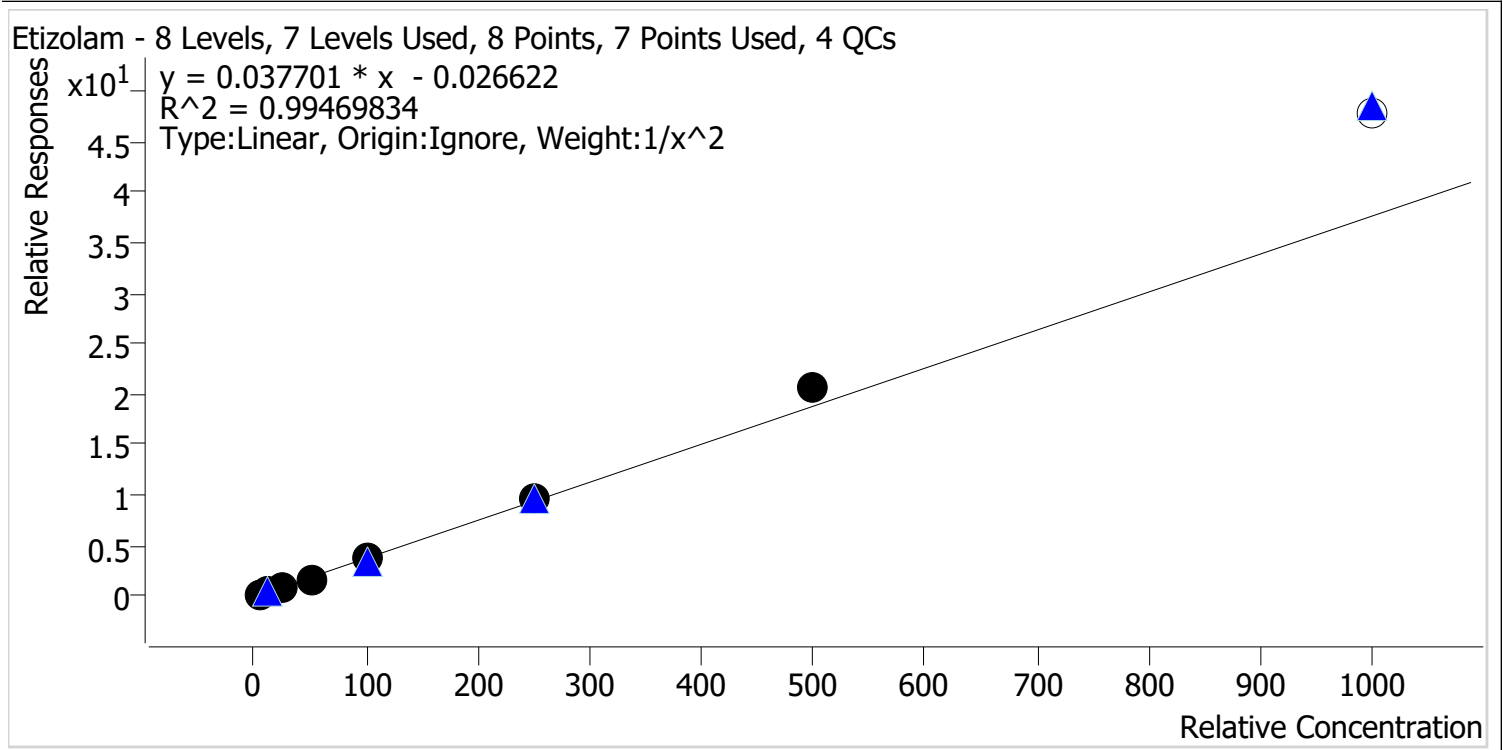


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	220.5	88.2
p1 Cal 7-500ng	7	✗	500.0	363.3	72.7
p1 Cal 8-1000ng	8	✗	1000.0	555.1	55.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Etizolam **Internal Standard** Clonazepam-D4

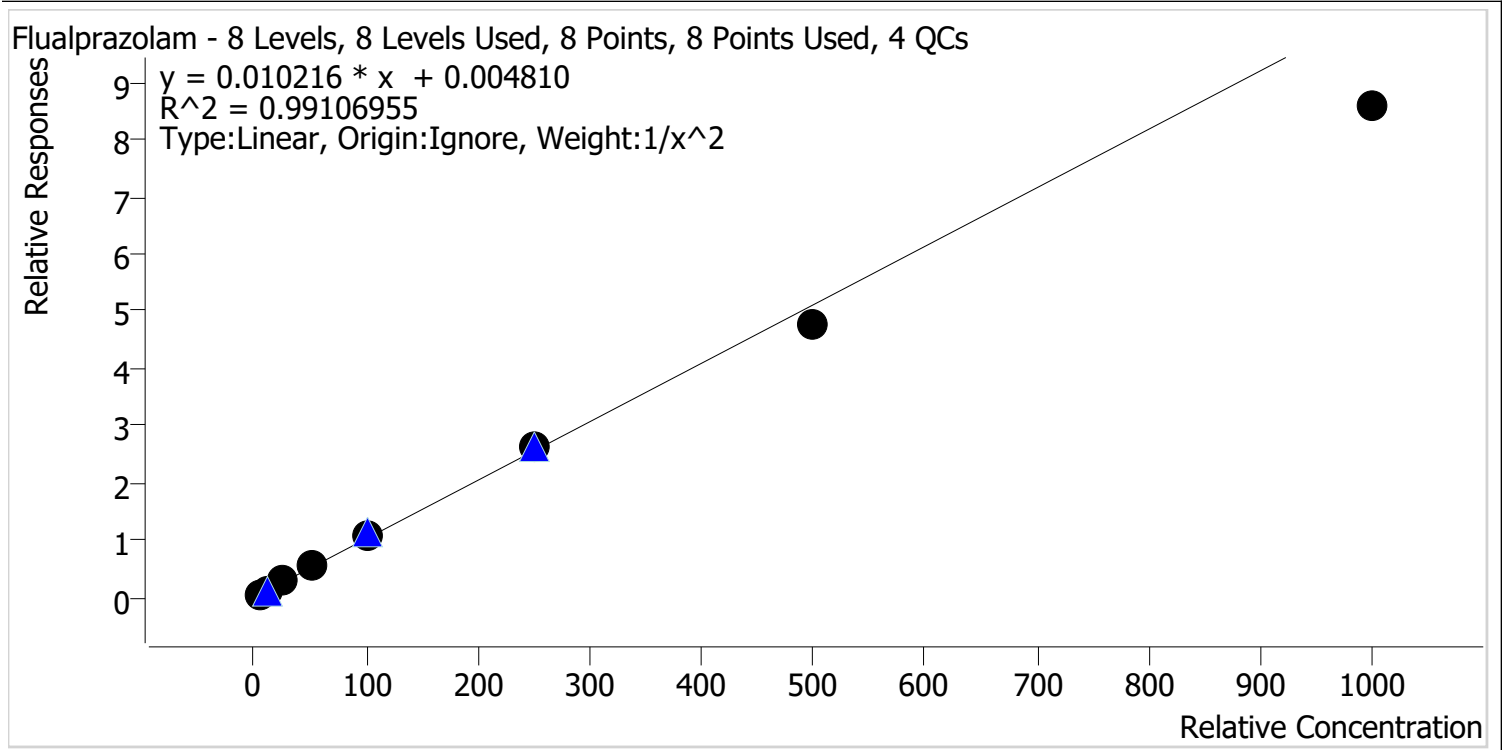


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	261.1	104.5
p1 Cal 7-500ng	7	✓	500.0	552.3	110.5
p1 Cal 8-1000ng	8	x	1000.0	1272.4	127.2



AM #28 Multi-Drug Quant. Calibration Curve Report

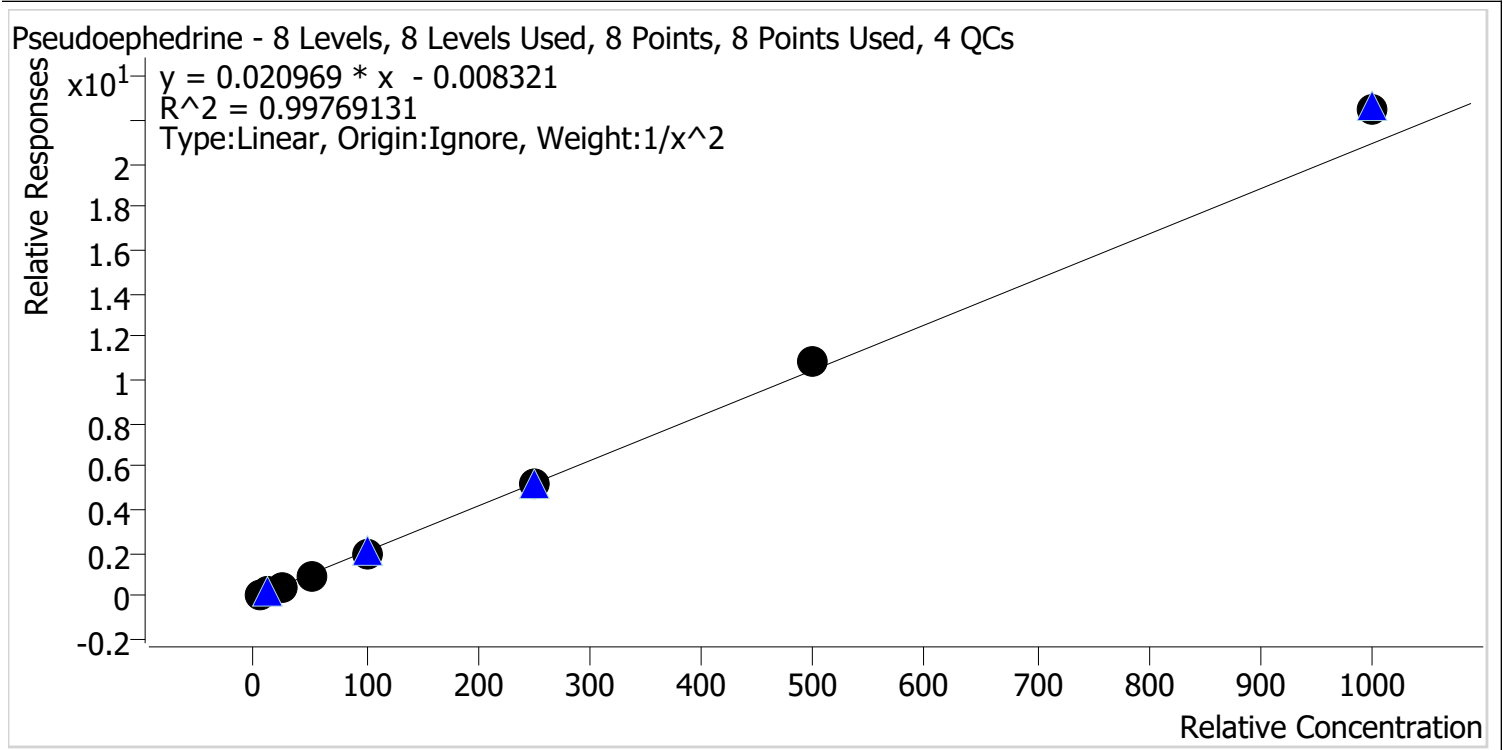
Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



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	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	469.3	93.9
p1 Cal 8-1000ng	8	✓	1000.0	839.4	83.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



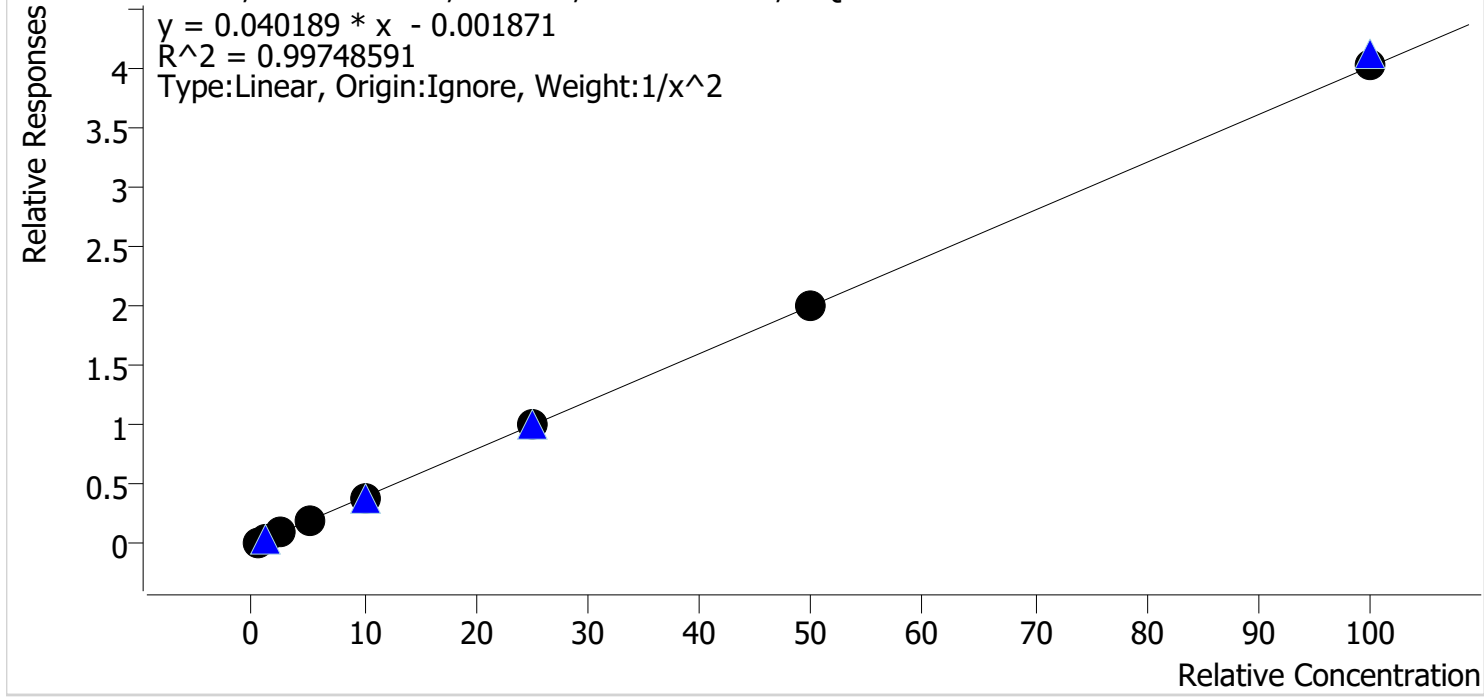
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	515.1	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1075.5	107.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

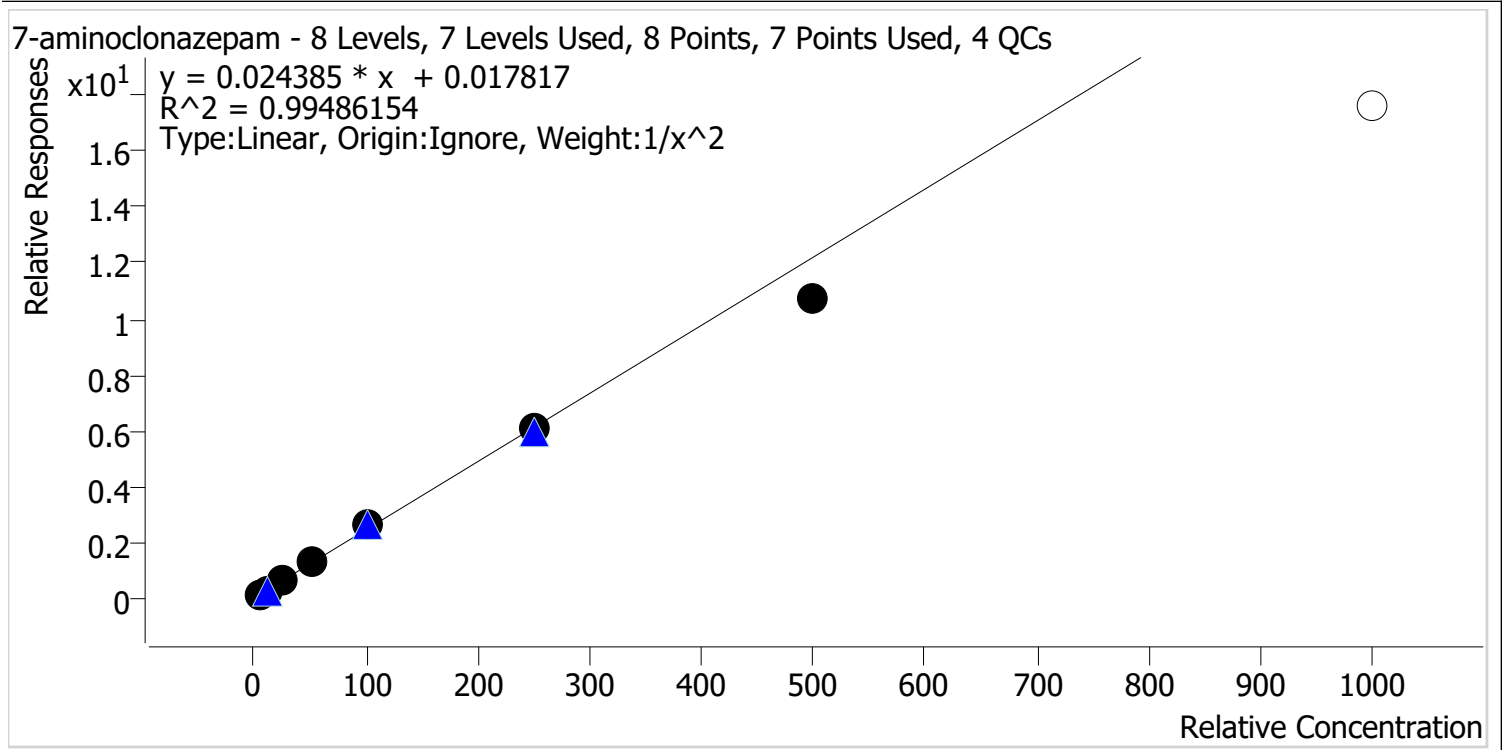


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.4
p1 Cal 2-10ng	2	✓	1.0	0.9	94.7
p1 Cal 3 -25ng	3	✓	2.5	2.7	108.7
p1 Cal 4-50ng	4	✓	5.0	4.7	94.9
p1 Cal 5-100ng	5	✓	10.0	10.0	100.0
p1 Cal 6-250ng	6	✓	25.0	25.0	100.1
p1 Cal 7-500ng	7	✓	50.0	49.6	99.3
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

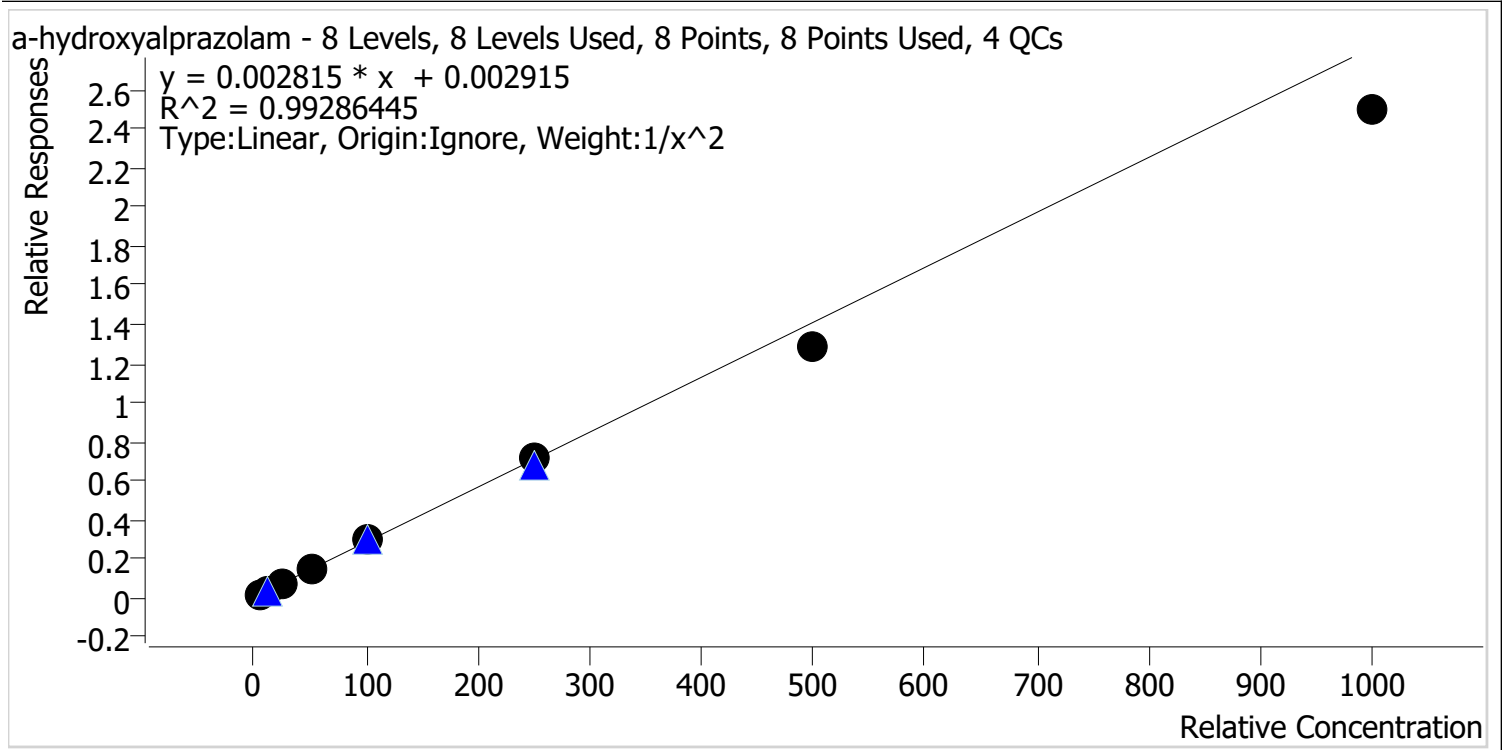


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	439.9	88.0
p1 Cal 8-1000ng	8	x	1000.0	721.5	72.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte a-hydroxyalprazolam **Internal Standard** Temazepam-D5

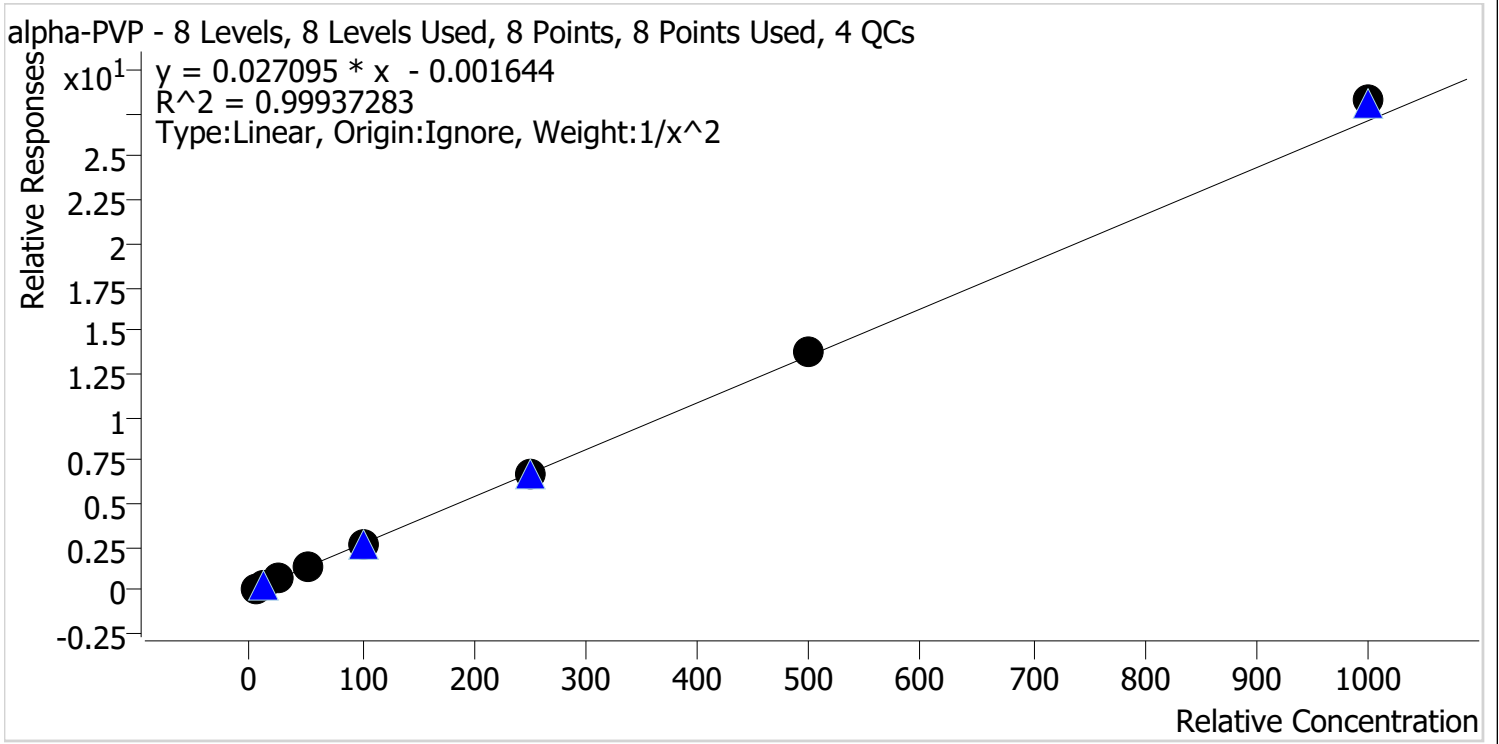


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.0
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	453.6	90.7
p1 Cal 8-1000ng	8	✓	1000.0	890.2	89.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

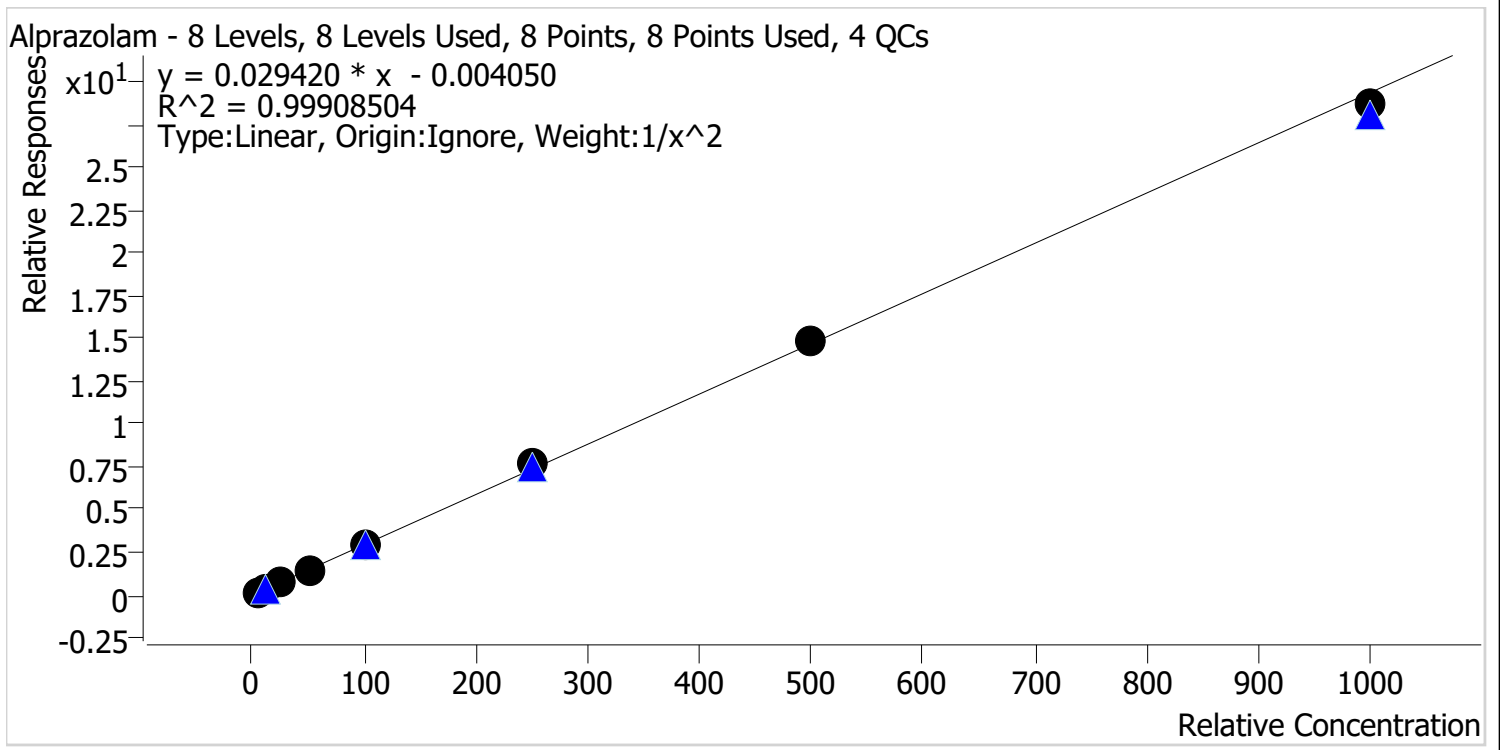


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	248.4	99.3
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1043.5	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Alprazolam **Internal Standard** Alprazolam-D5

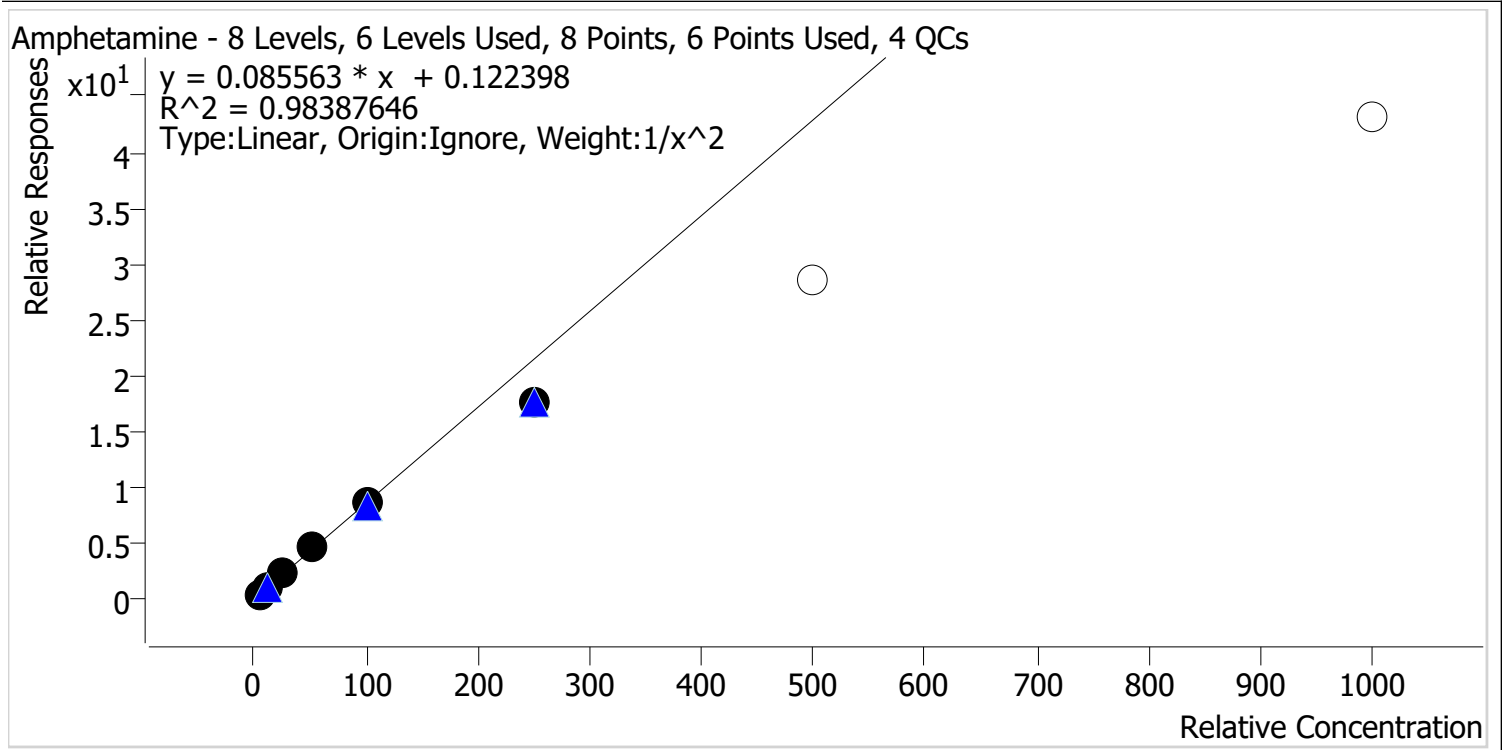


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	260.1	104.0
p1 Cal 7-500ng	7	✓	500.0	508.8	101.8
p1 Cal 8-1000ng	8	✓	1000.0	976.8	97.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Amphetamine **Internal Standard** Amphetamine-D11

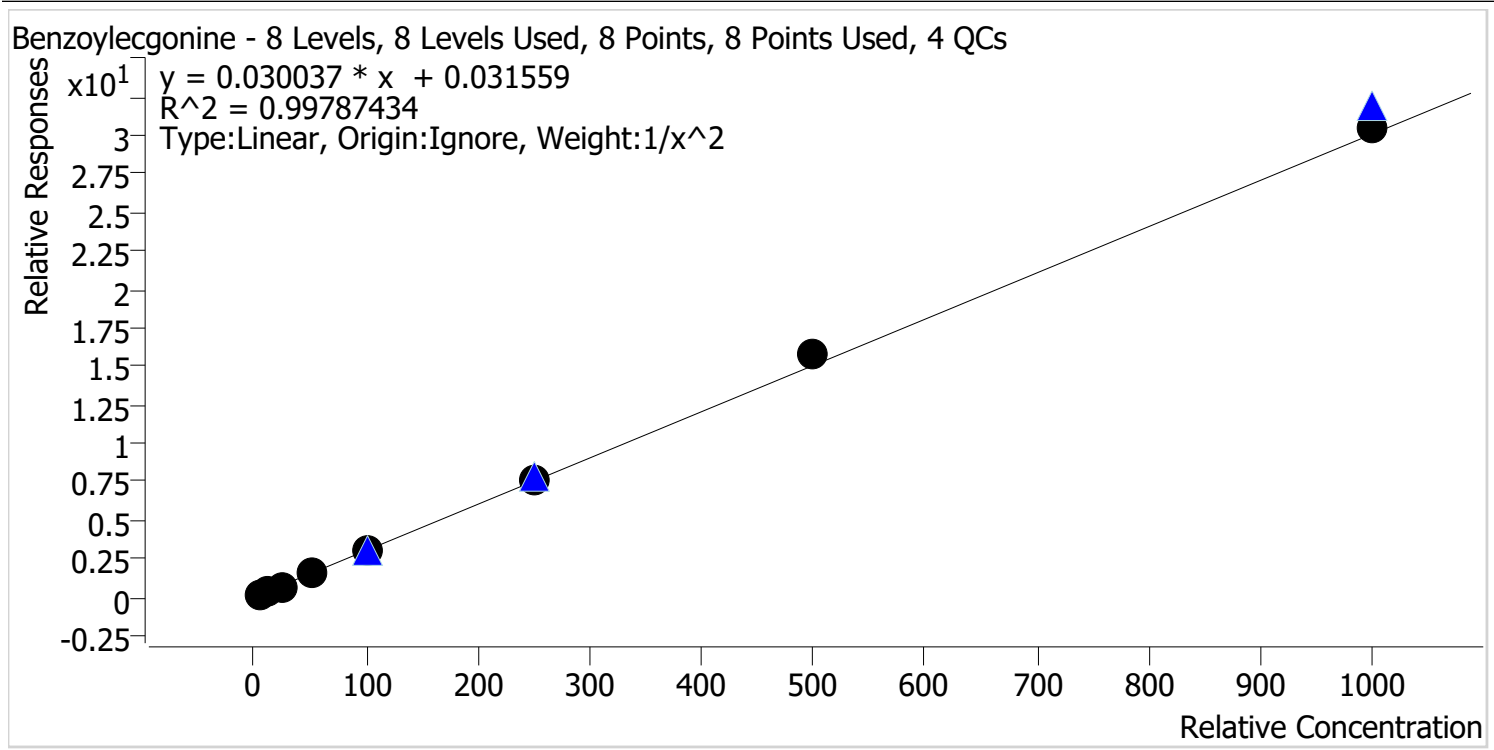


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.9	108.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	205.6	82.2
p1 Cal 7-500ng	7	✗	500.0	331.7	66.3
p1 Cal 8-1000ng	8	✗	1000.0	504.8	50.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Benzoylcegonine **Internal Standard** Benzoylcegonine-d8

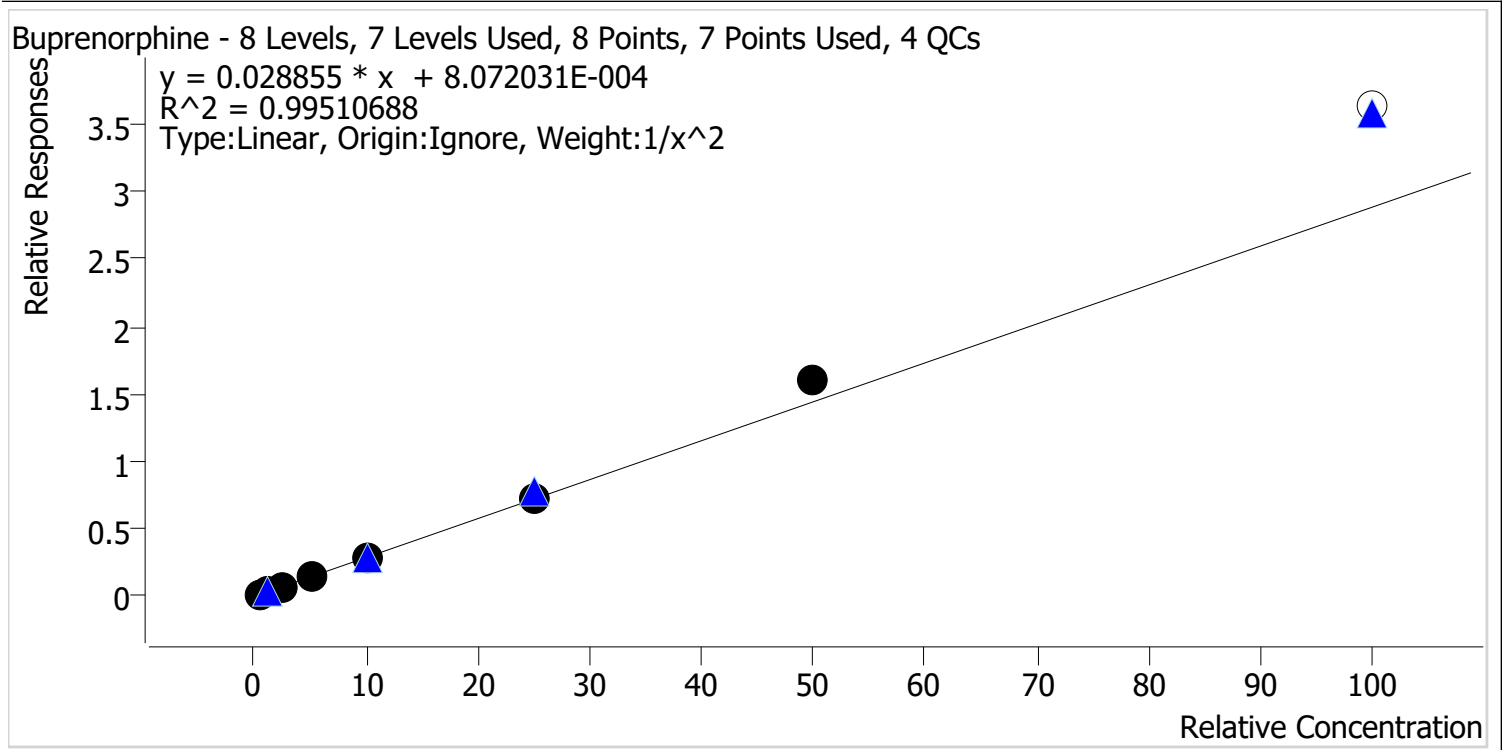


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	526.4	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

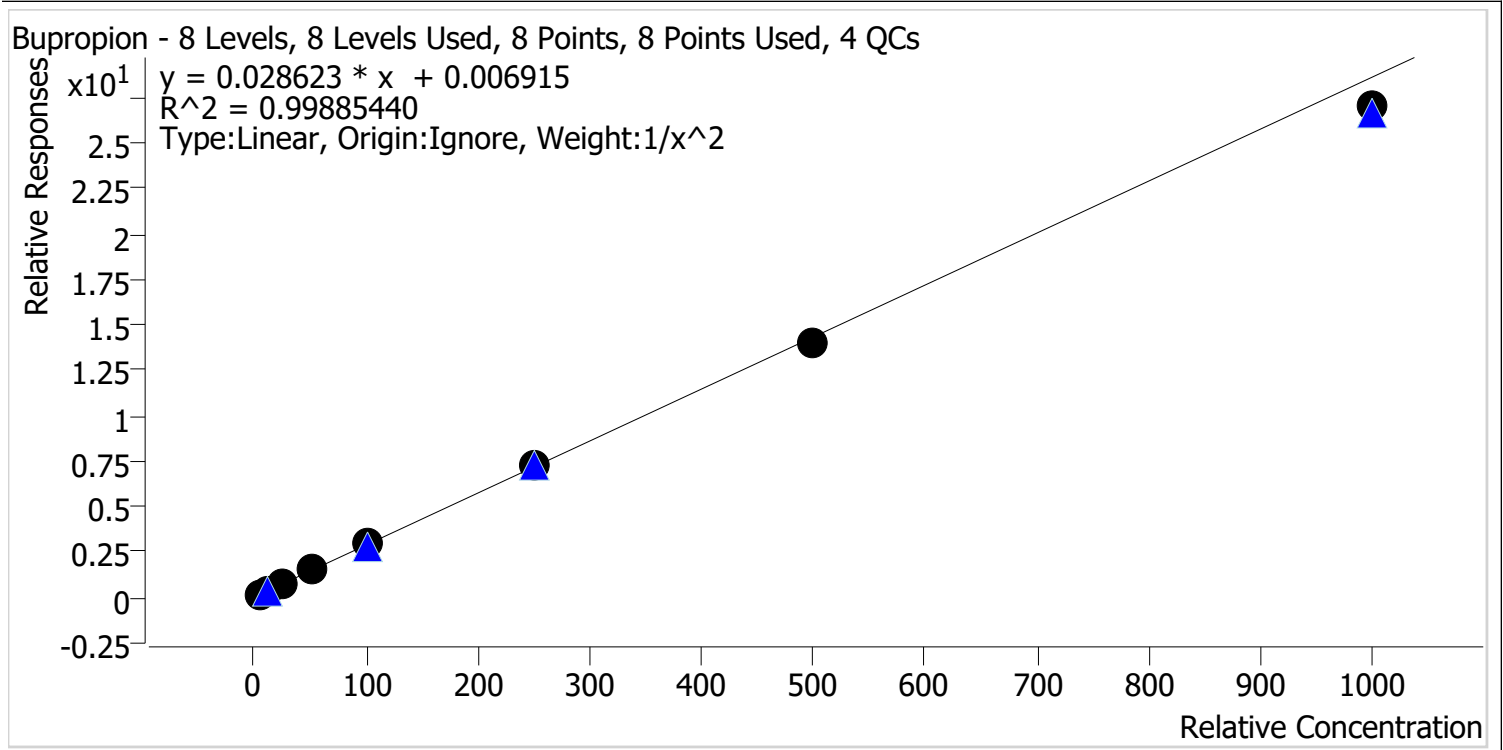


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2-10ng	2	✓	1.0	0.9	93.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.3
p1 Cal 4-50ng	4	✓	5.0	4.8	97.0
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	55.3	110.5
p1 Cal 8-1000ng	8	x	100.0	125.9	125.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Bupropion **Internal Standard** Bupropion-D9

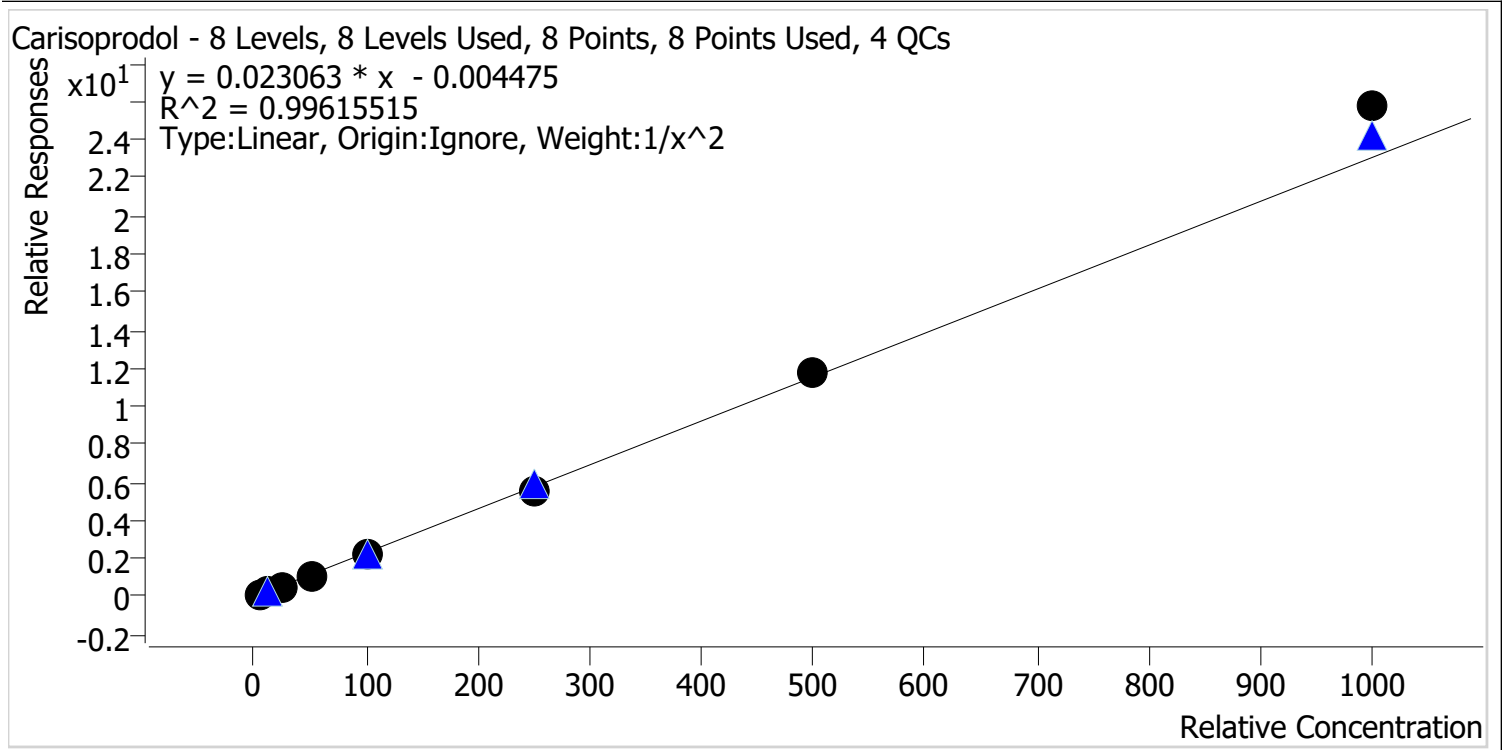


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	944.0	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

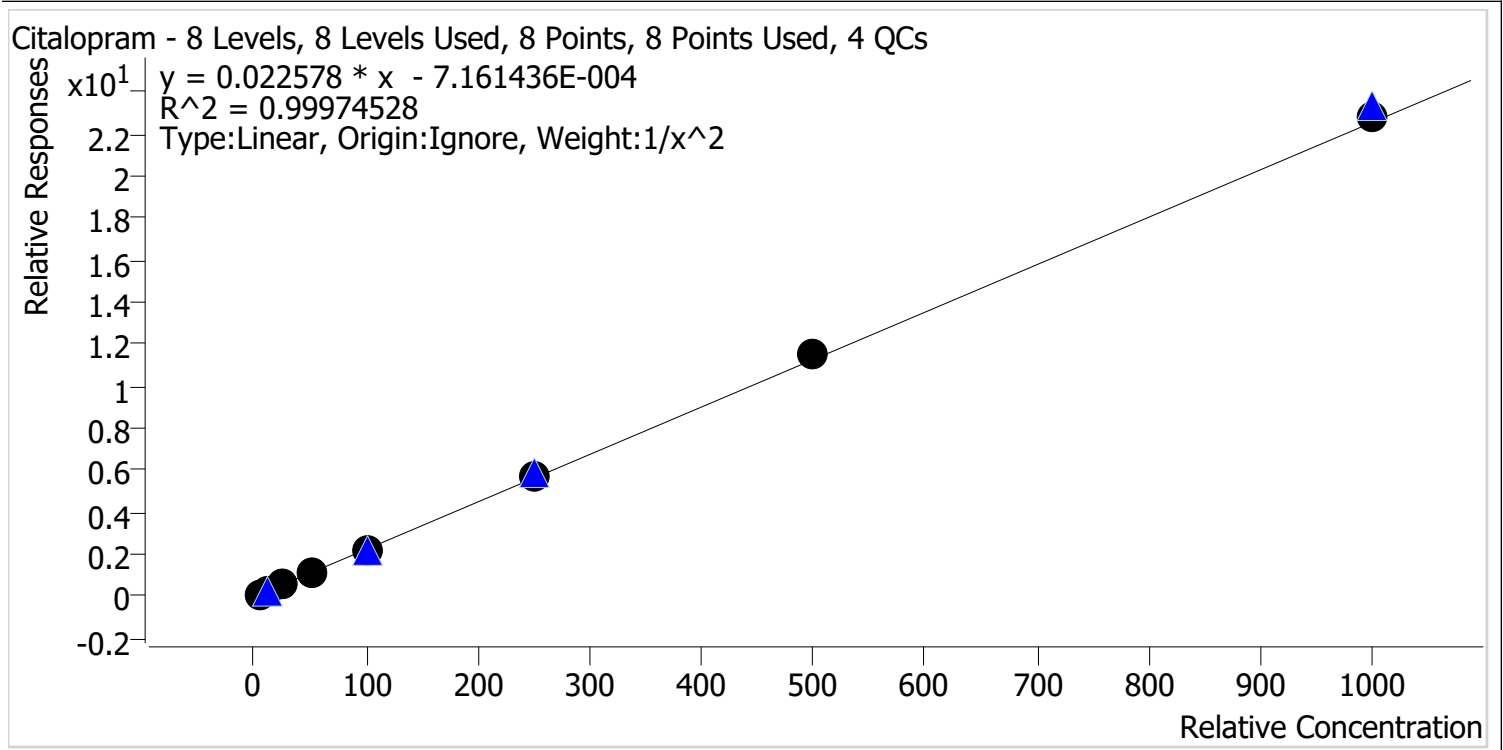


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	511.5	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1116.6	111.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Citalopram **Internal Standard** Citalopram-D6



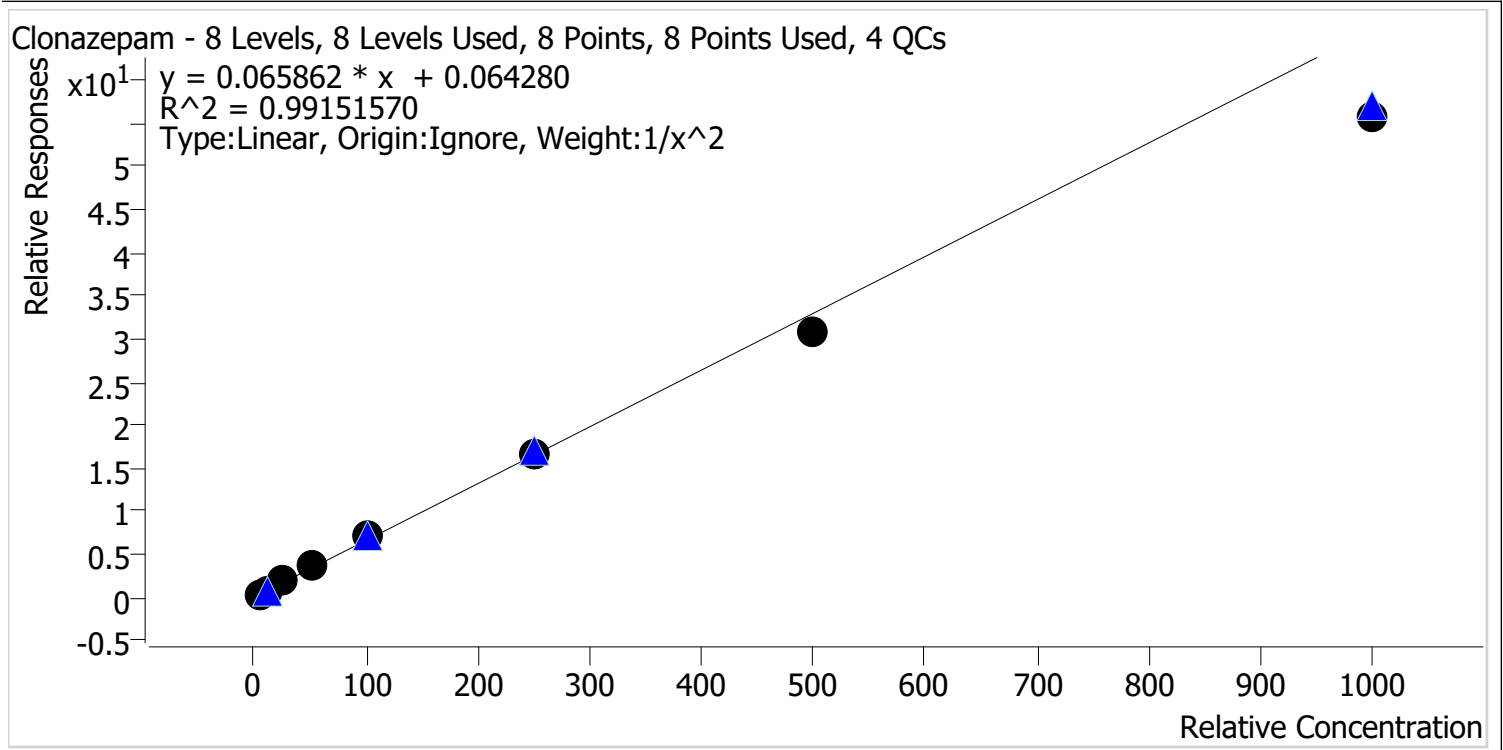
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1008.6	100.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Clonazepam **Internal Standard** Clonazepam-D4



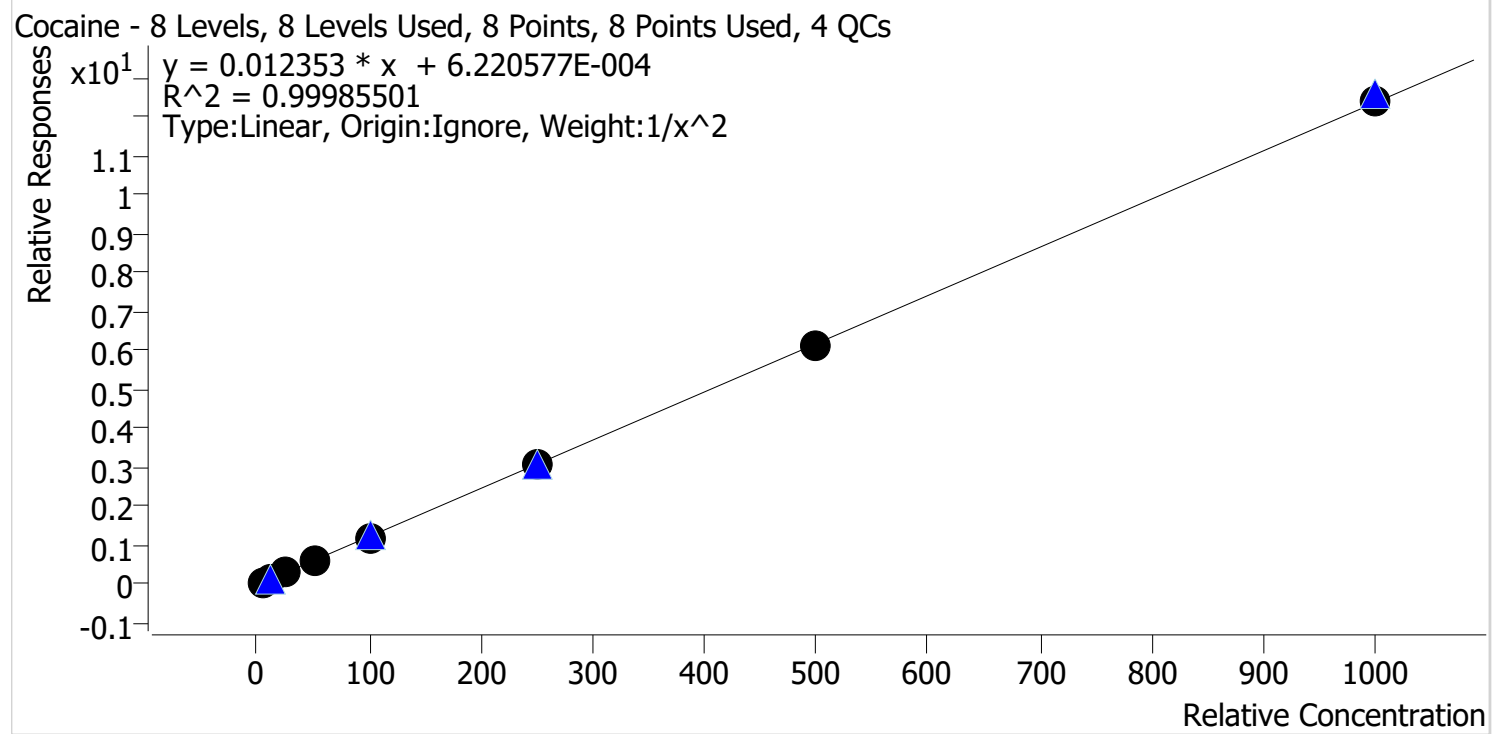
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	468.9	93.8
p1 Cal 8-1000ng	8	✓	1000.0	847.0	84.7

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Cocaine **Internal Standard** Cocaine-d3



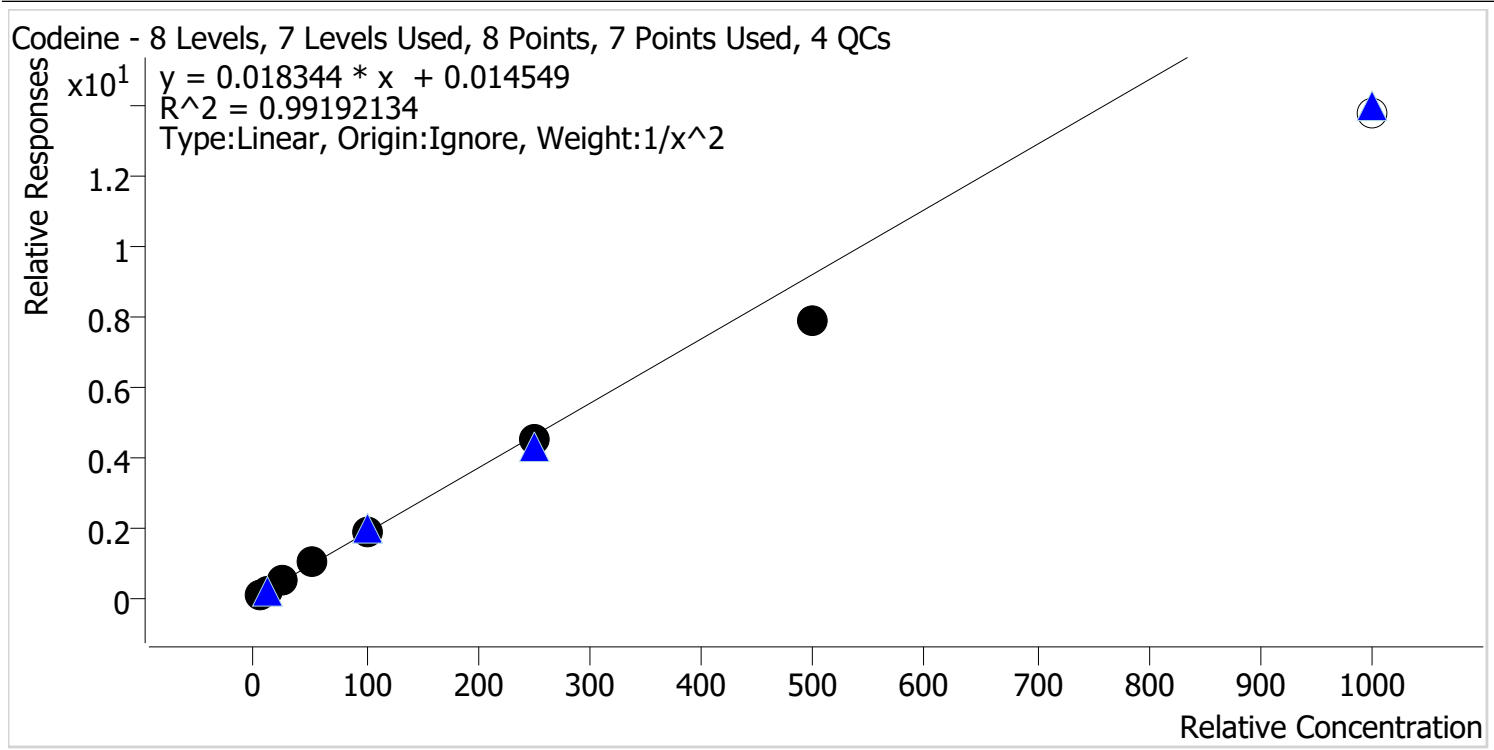
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1000.0	100.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Codeine **Internal Standard** Codeine-D6



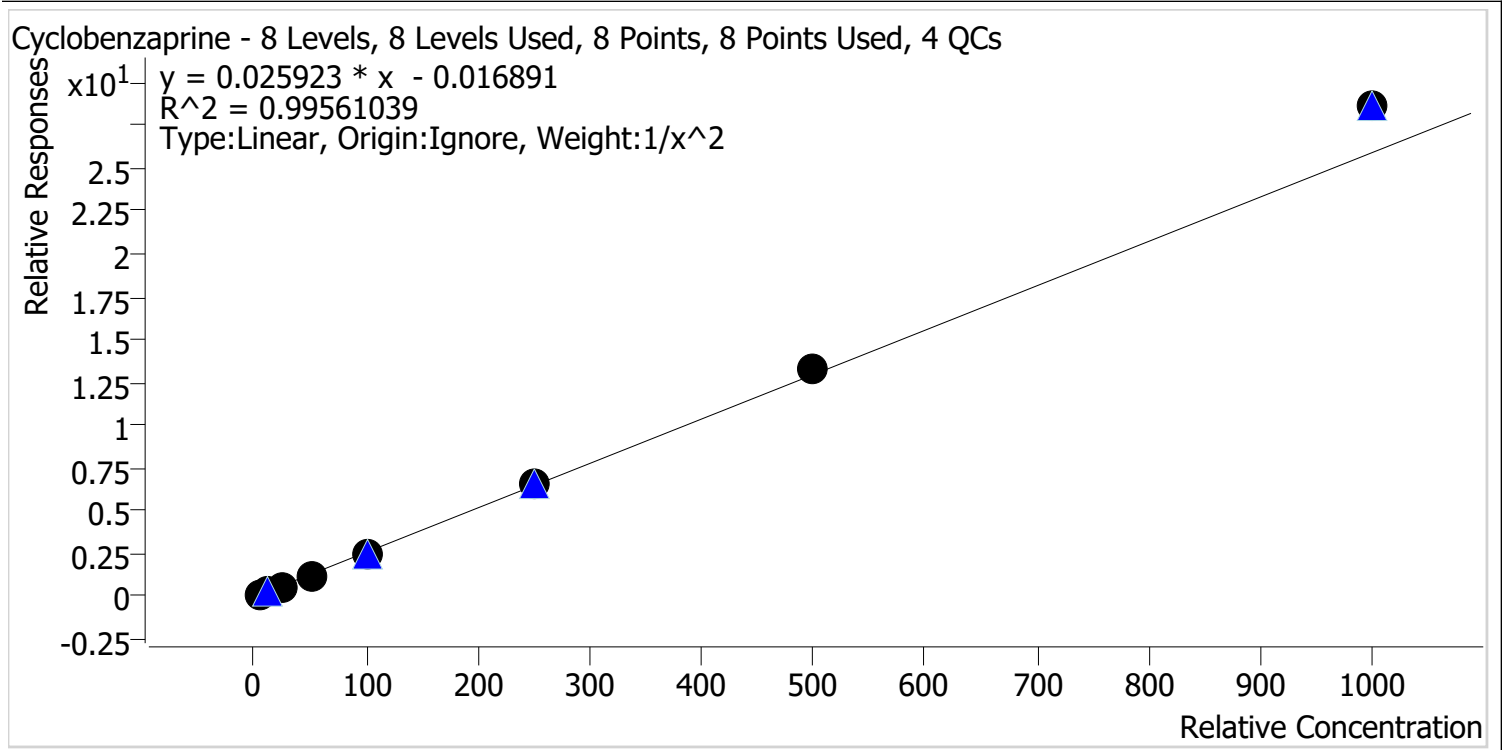
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	428.3	85.7
p1 Cal 8-1000ng	8	x	1000.0	748.6	74.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



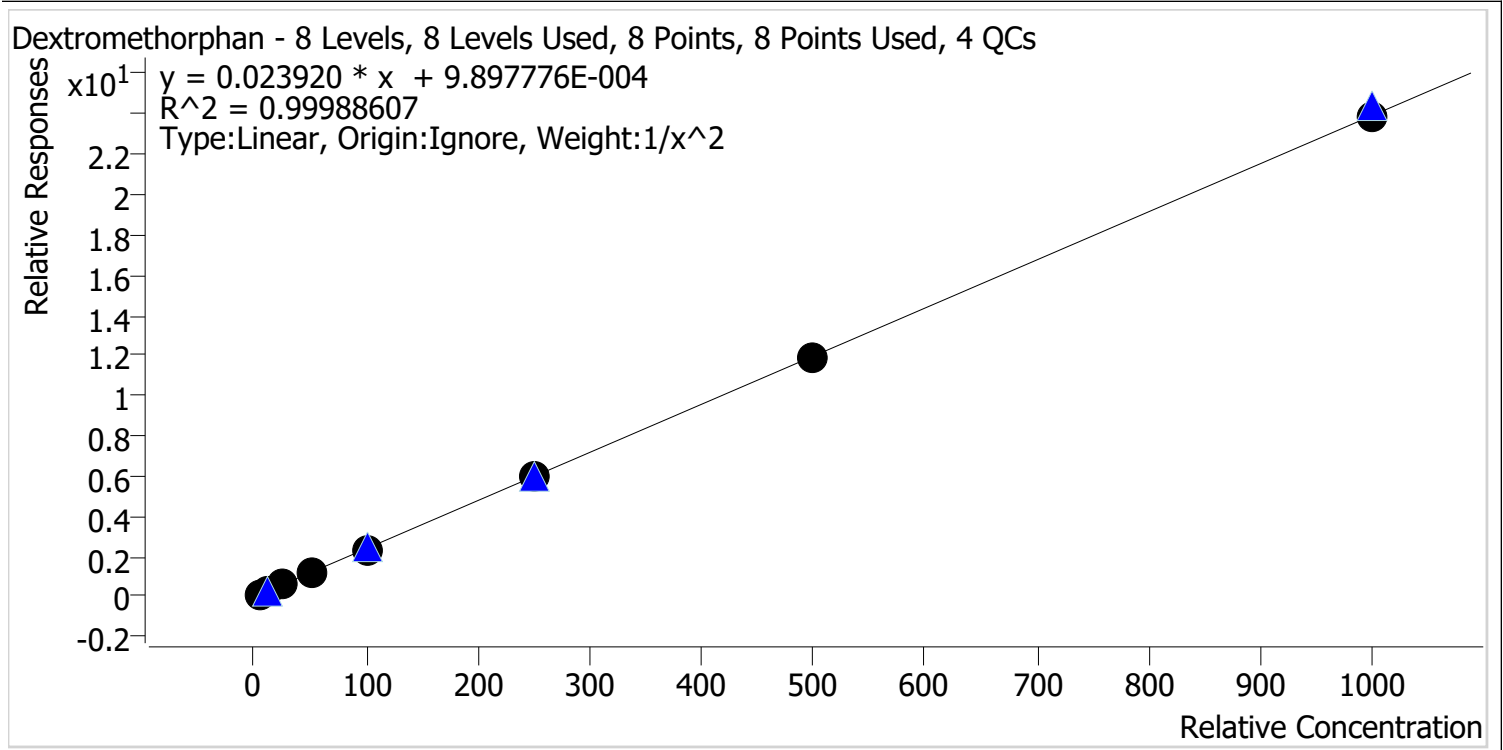
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	47.1	94.3
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1104.4	110.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

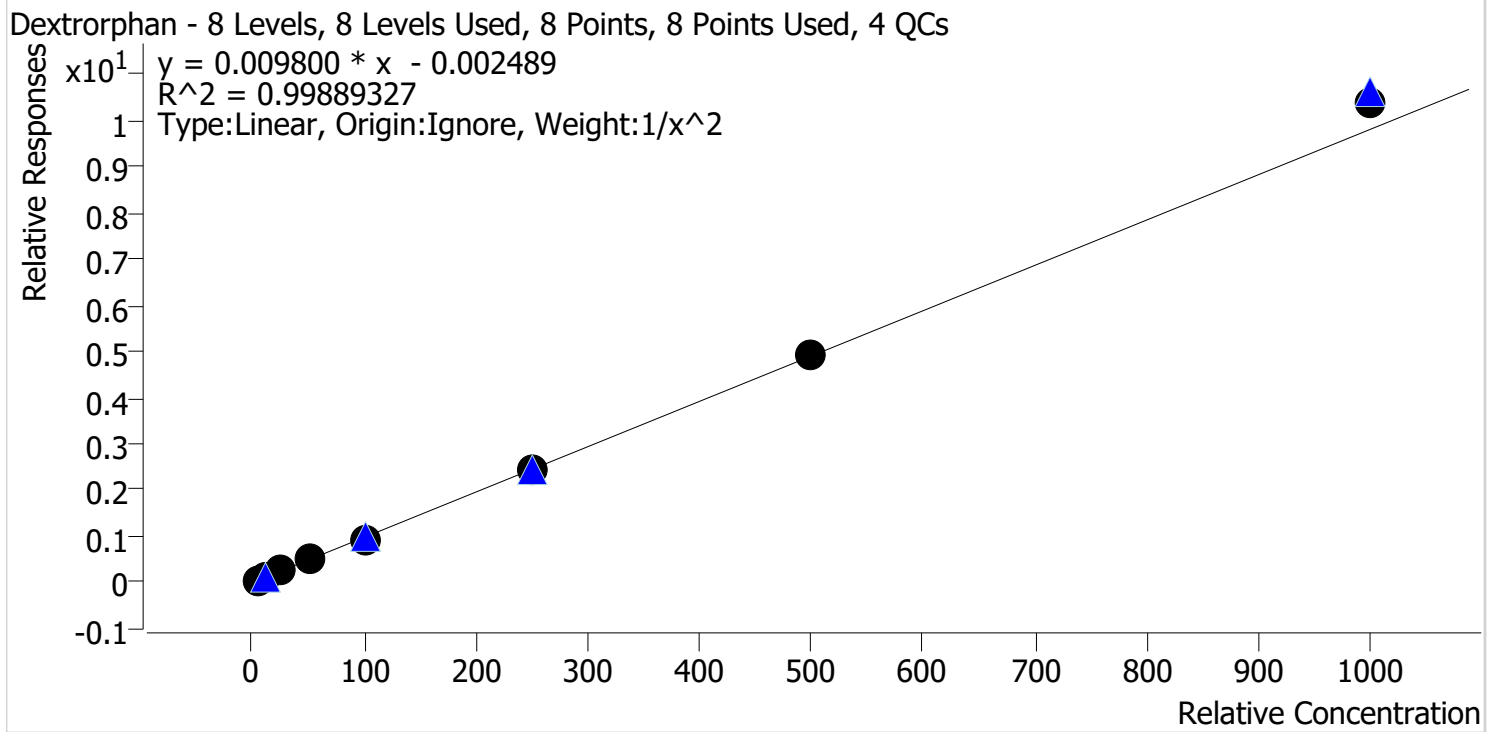


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	998.4	99.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

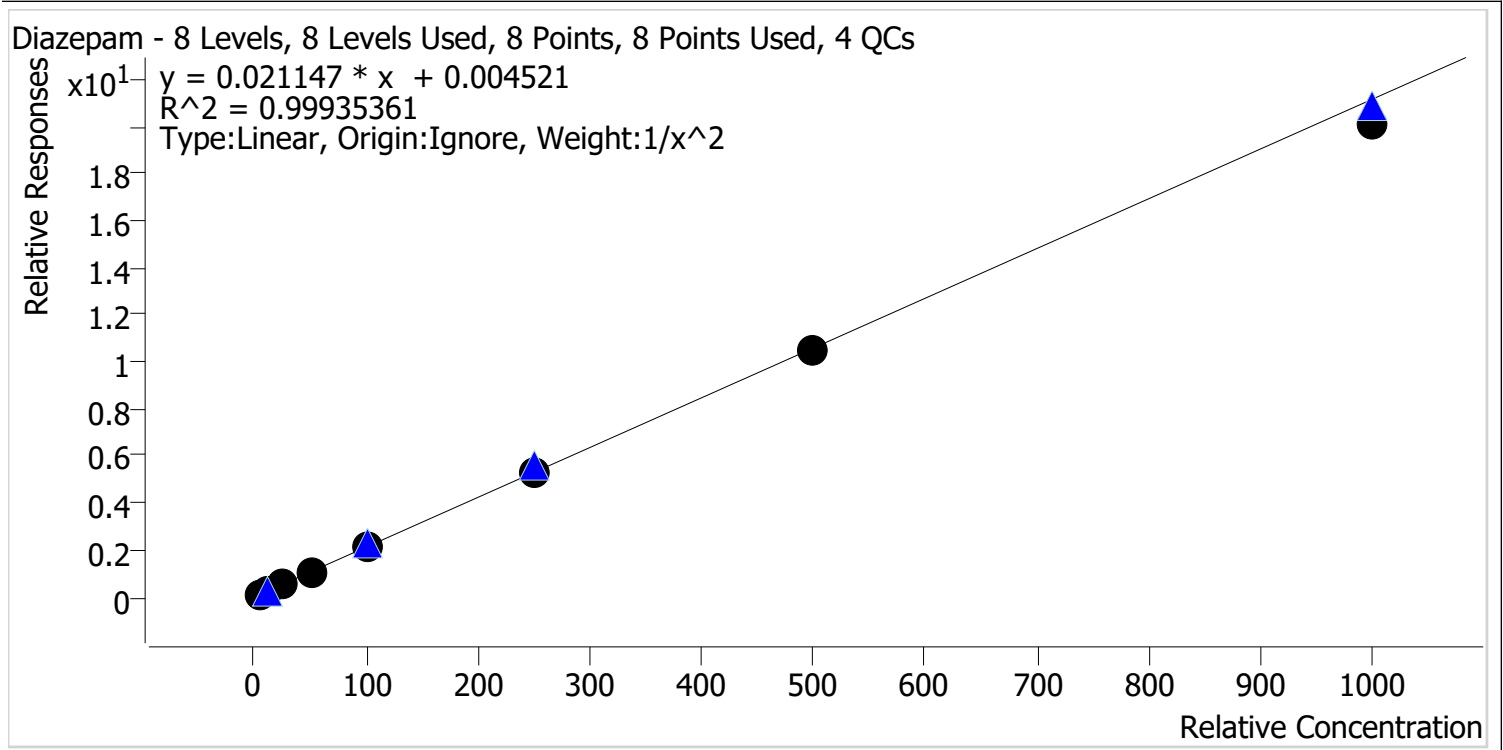


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1058.6	105.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Diazepam **Internal Standard** Diazepam-D5

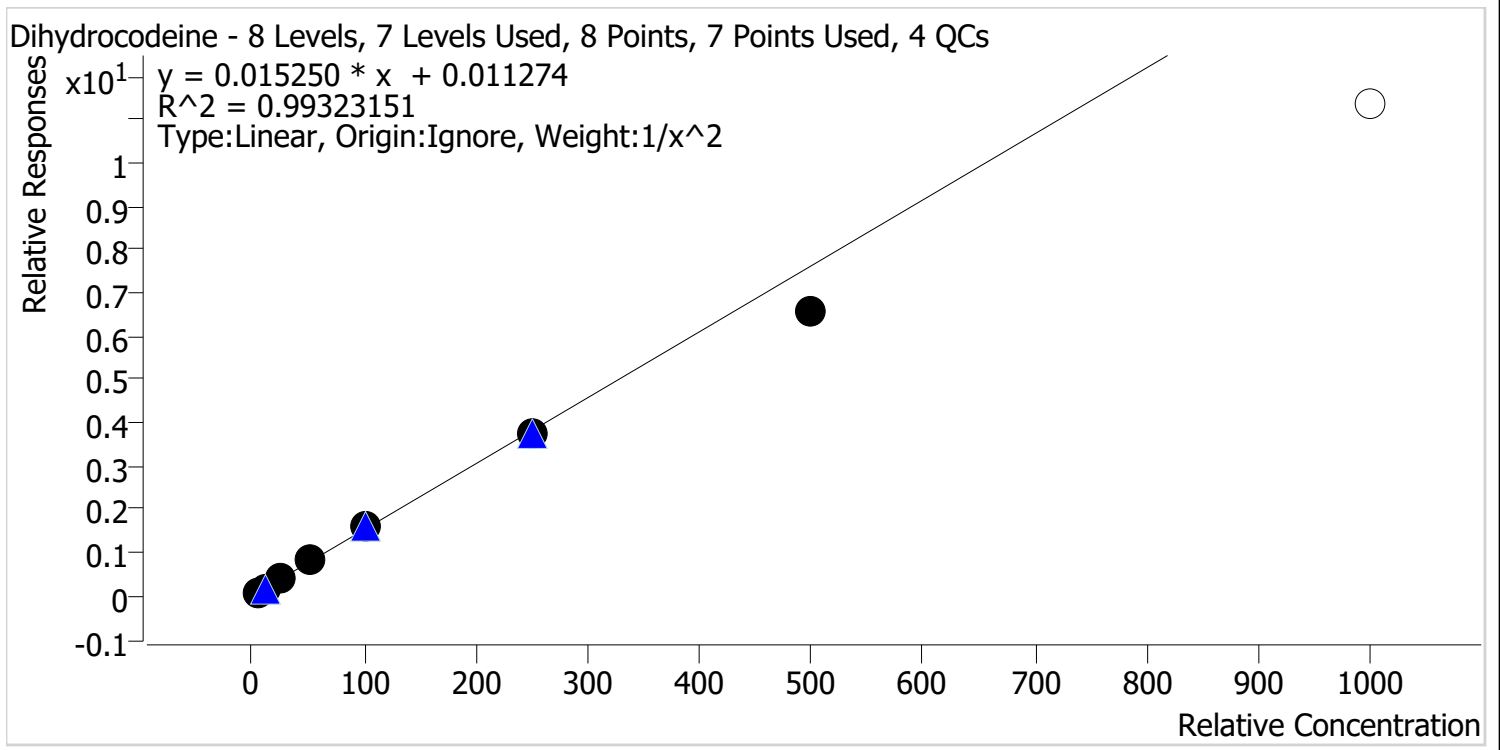


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	951.9	95.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



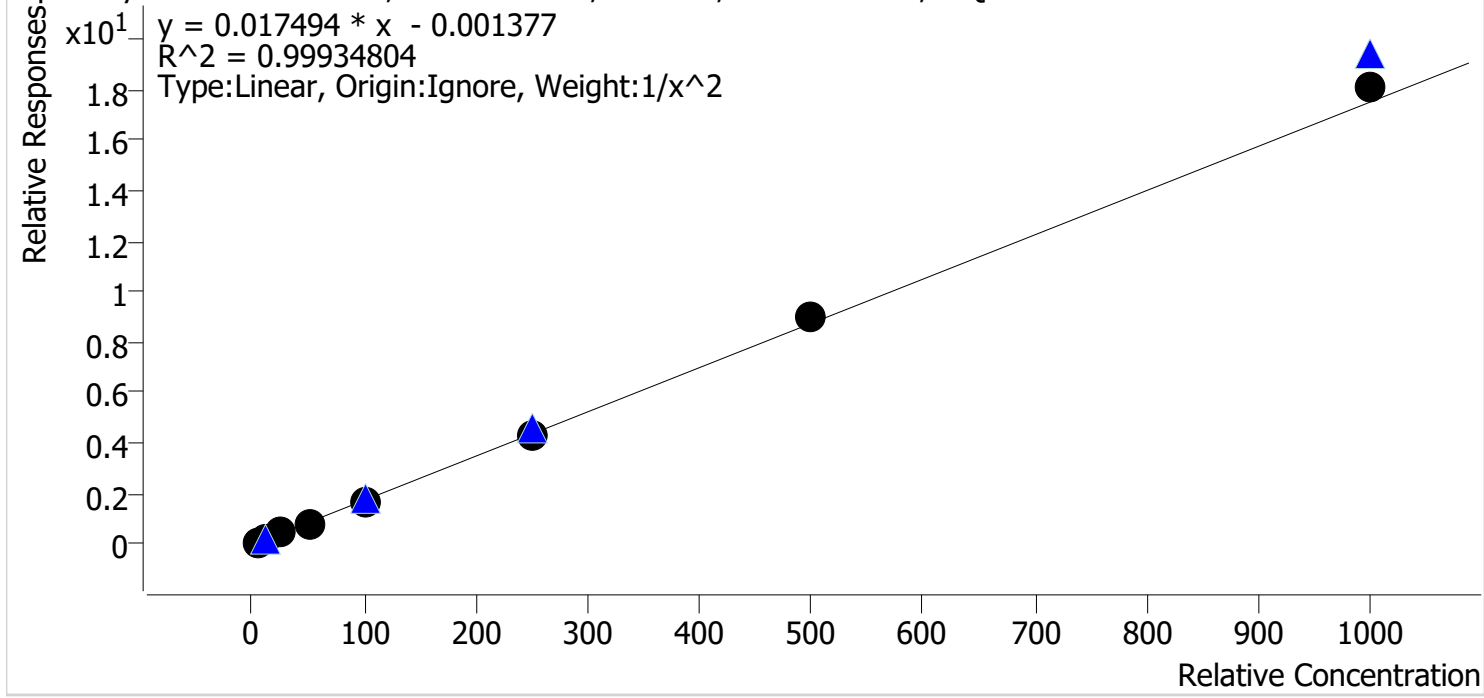
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	431.0	86.2
p1 Cal 8-1000ng	8	x	1000.0	744.8	74.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

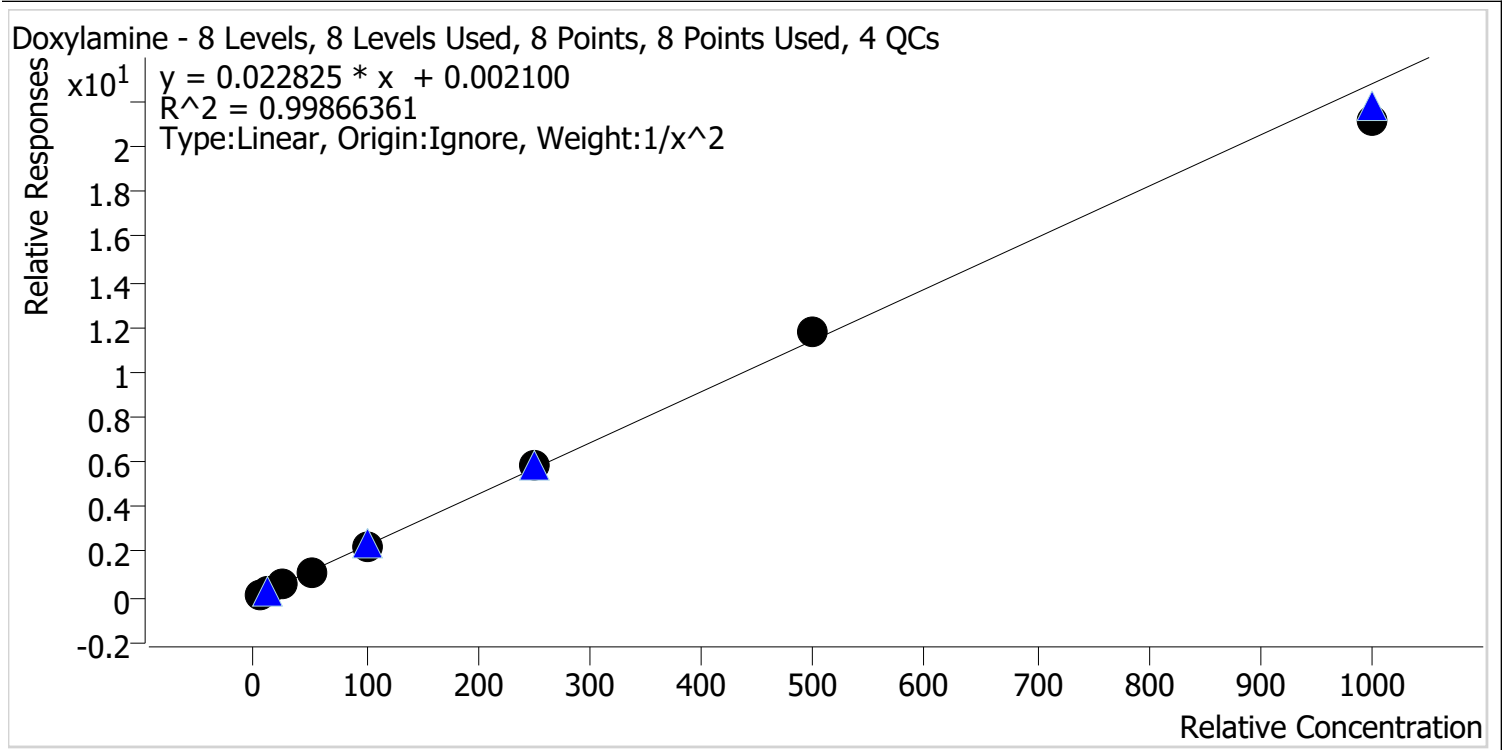


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	515.4	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1031.6	103.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Doxylamine **Internal Standard** Doxylamine-D5



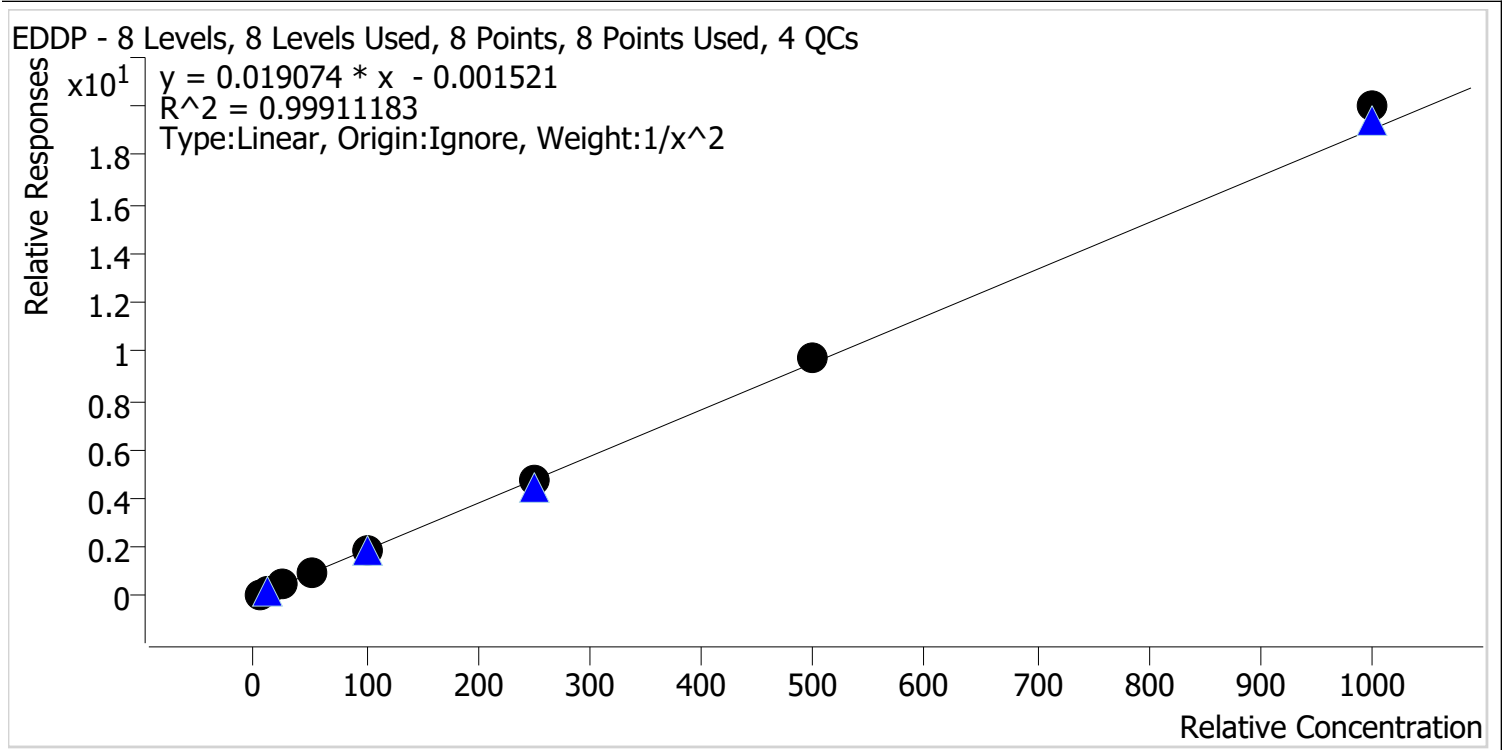
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	520.0	104.0
p1 Cal 8-1000ng	8	✓	1000.0	931.3	93.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte EDDP **Internal Standard** EDDP-D3



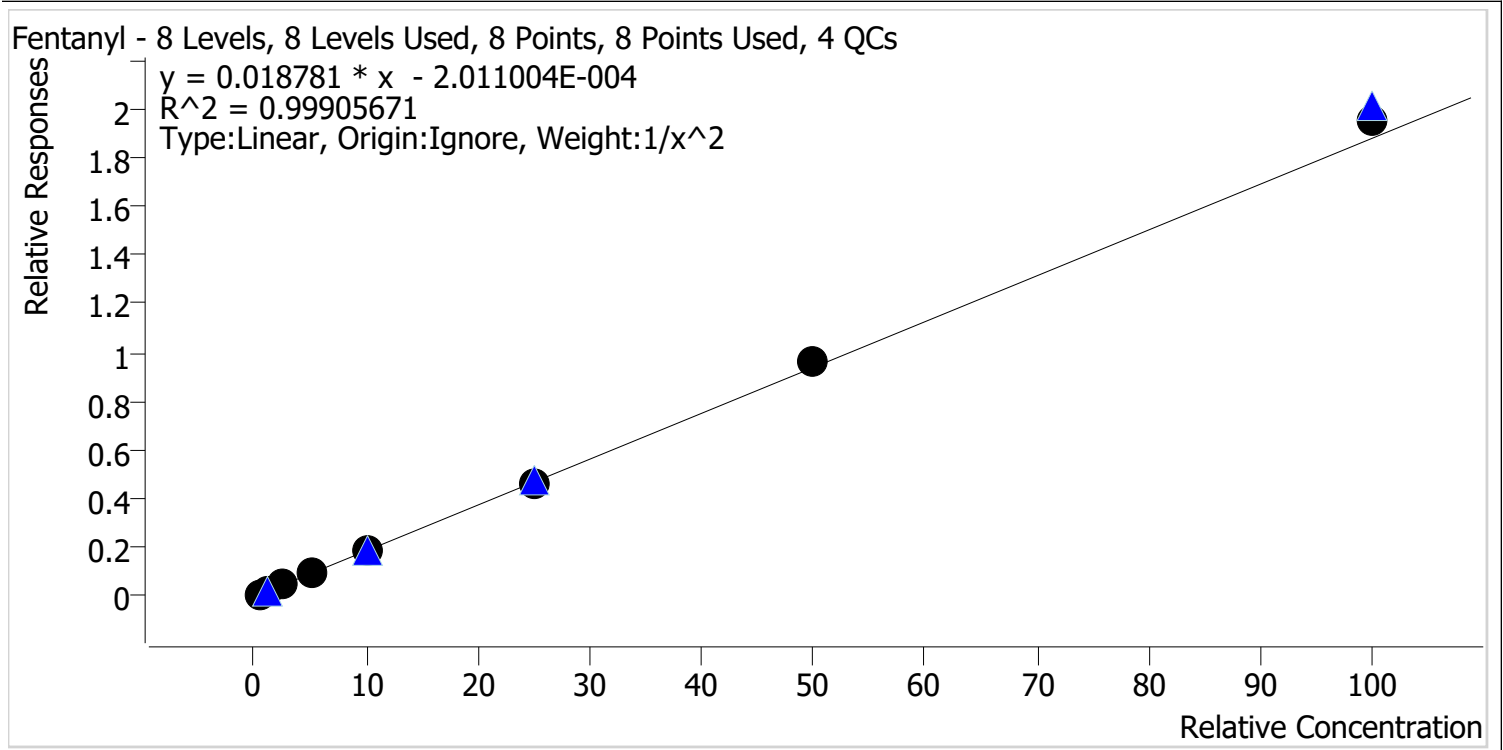
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	508.3	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.2	104.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Fentanyl **Internal Standard** Fentanyl-D5



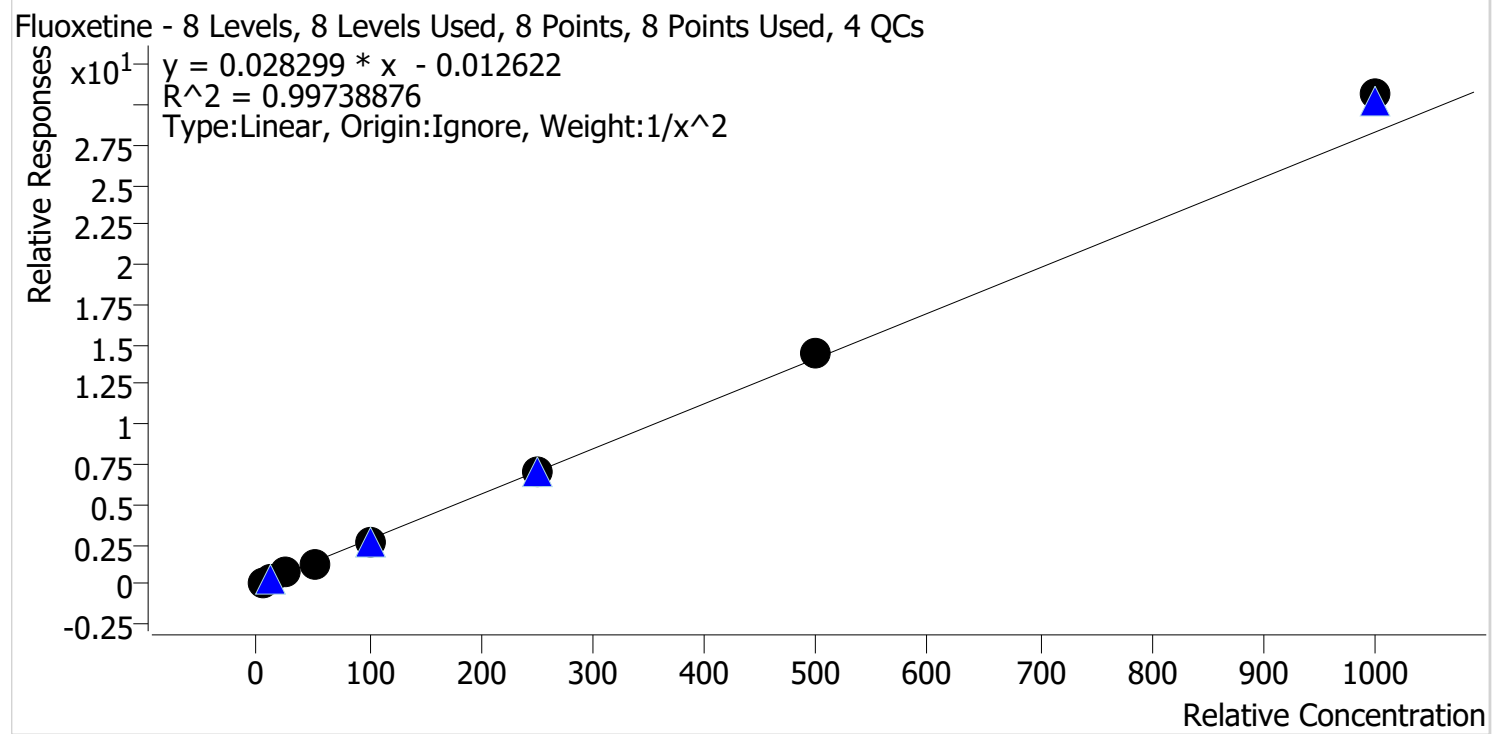
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	97.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	10.0	99.9
p1 Cal 6-250ng	6	✓	25.0	24.4	97.5
p1 Cal 7-500ng	7	✓	50.0	51.6	103.3
p1 Cal 8-1000ng	8	✓	100.0	103.8	103.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

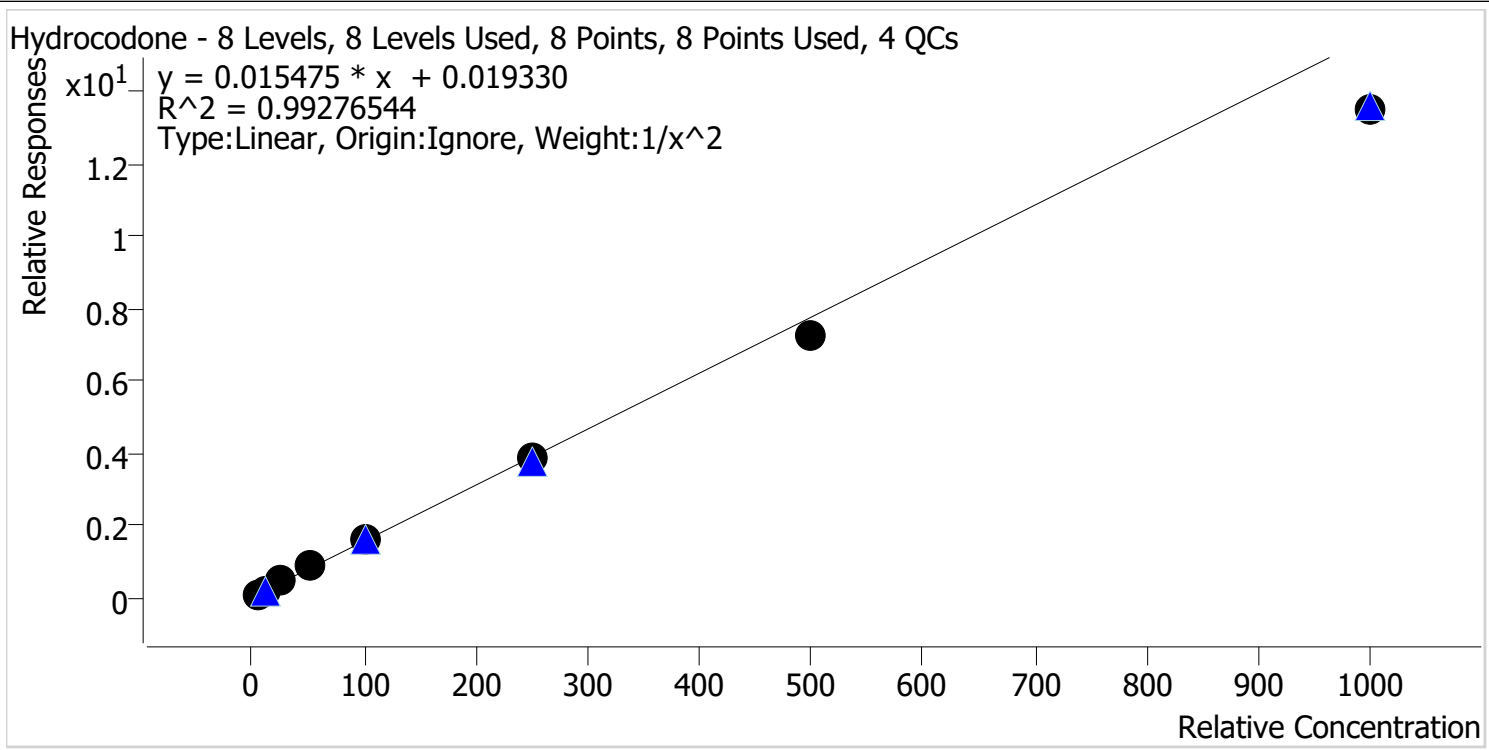


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	47.0	94.1
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1083.5	108.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



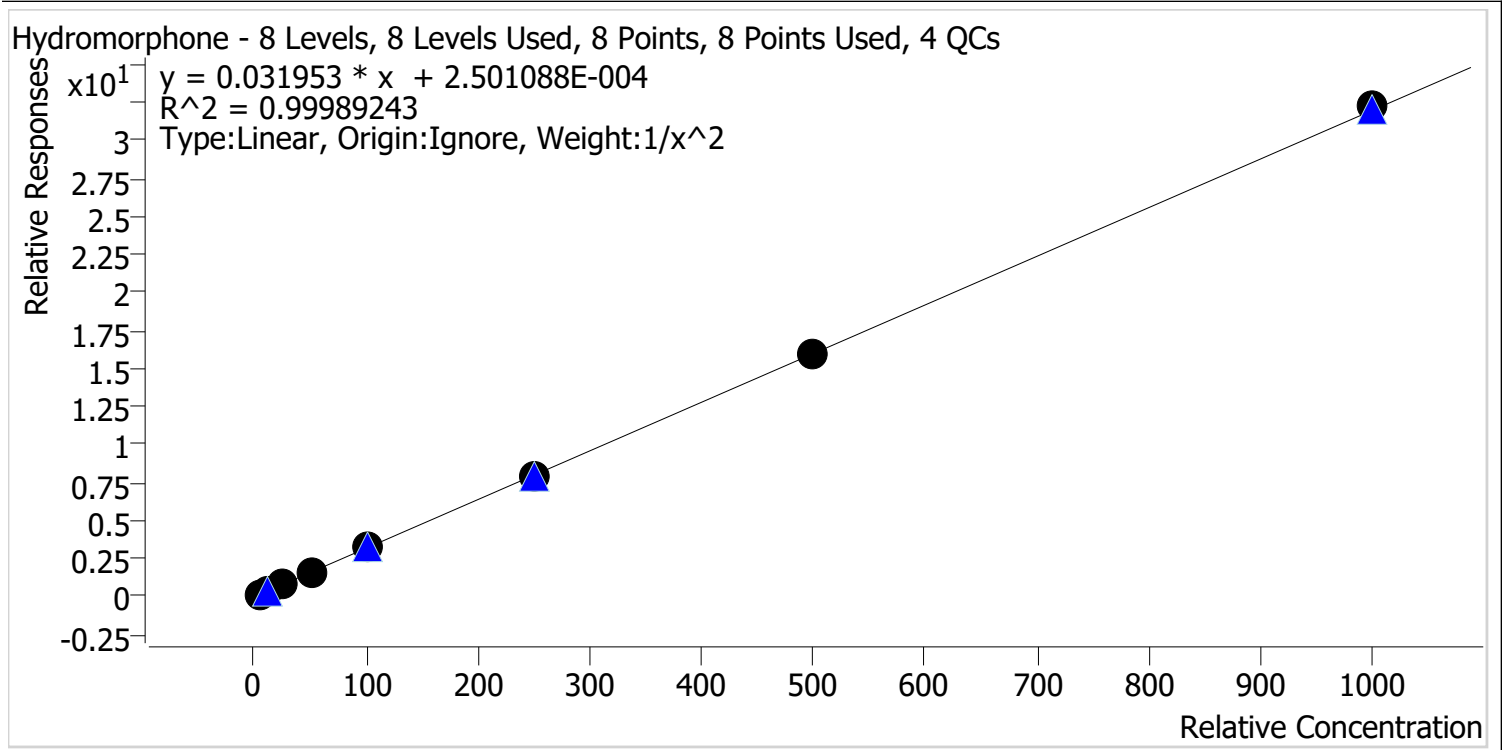
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	468.7	93.7
p1 Cal 8-1000ng	8	✓	1000.0	873.1	87.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

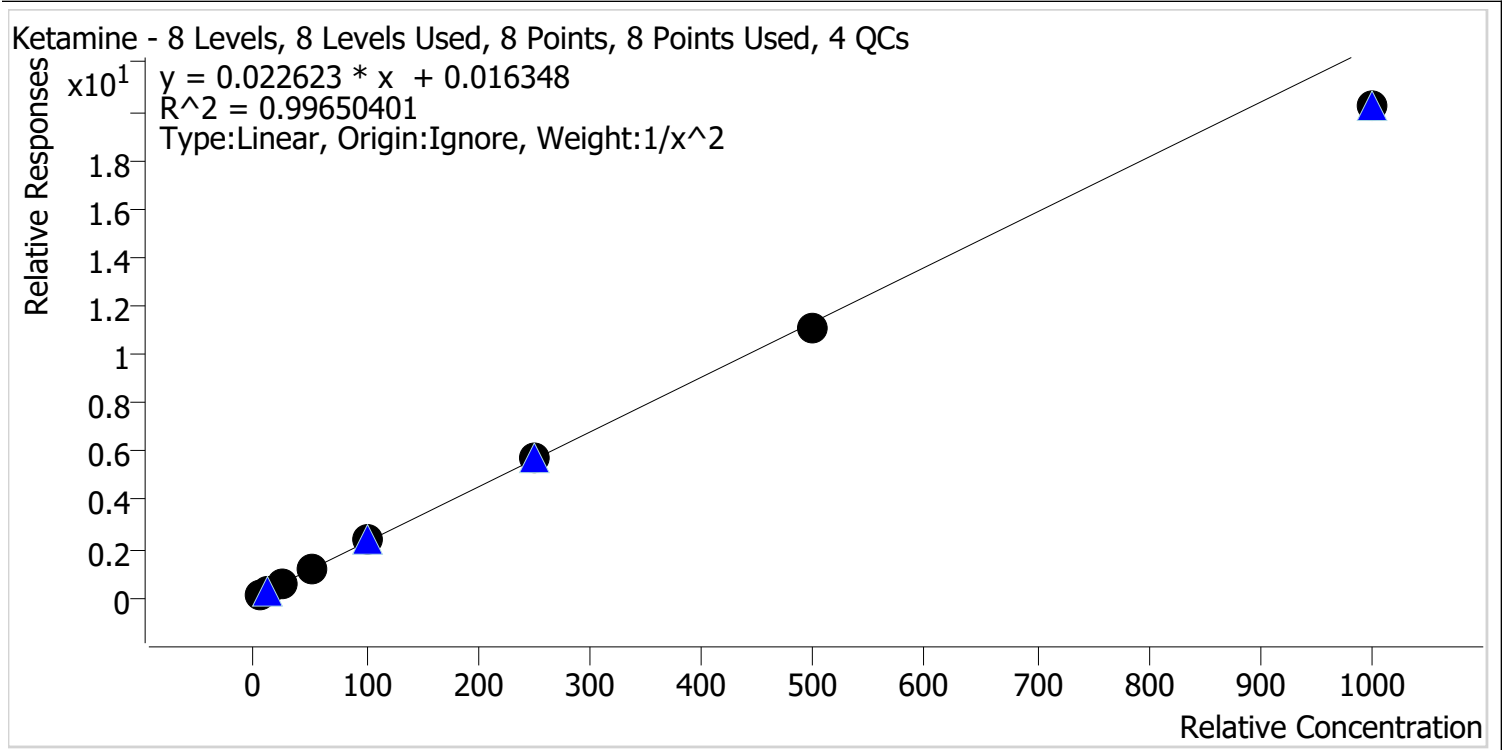


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1008.5	100.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Ketamine **Internal Standard** Ketamine-D4



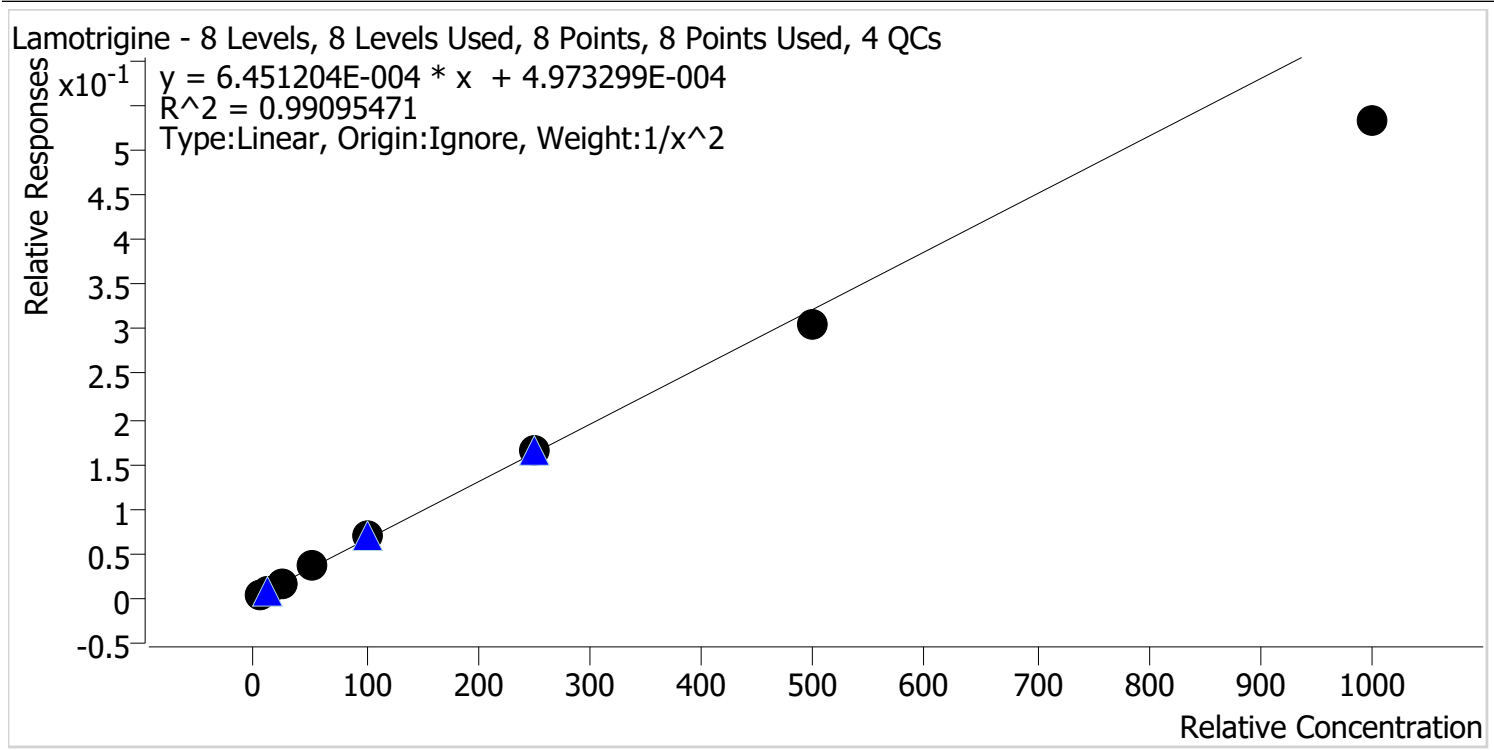
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	892.6	89.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

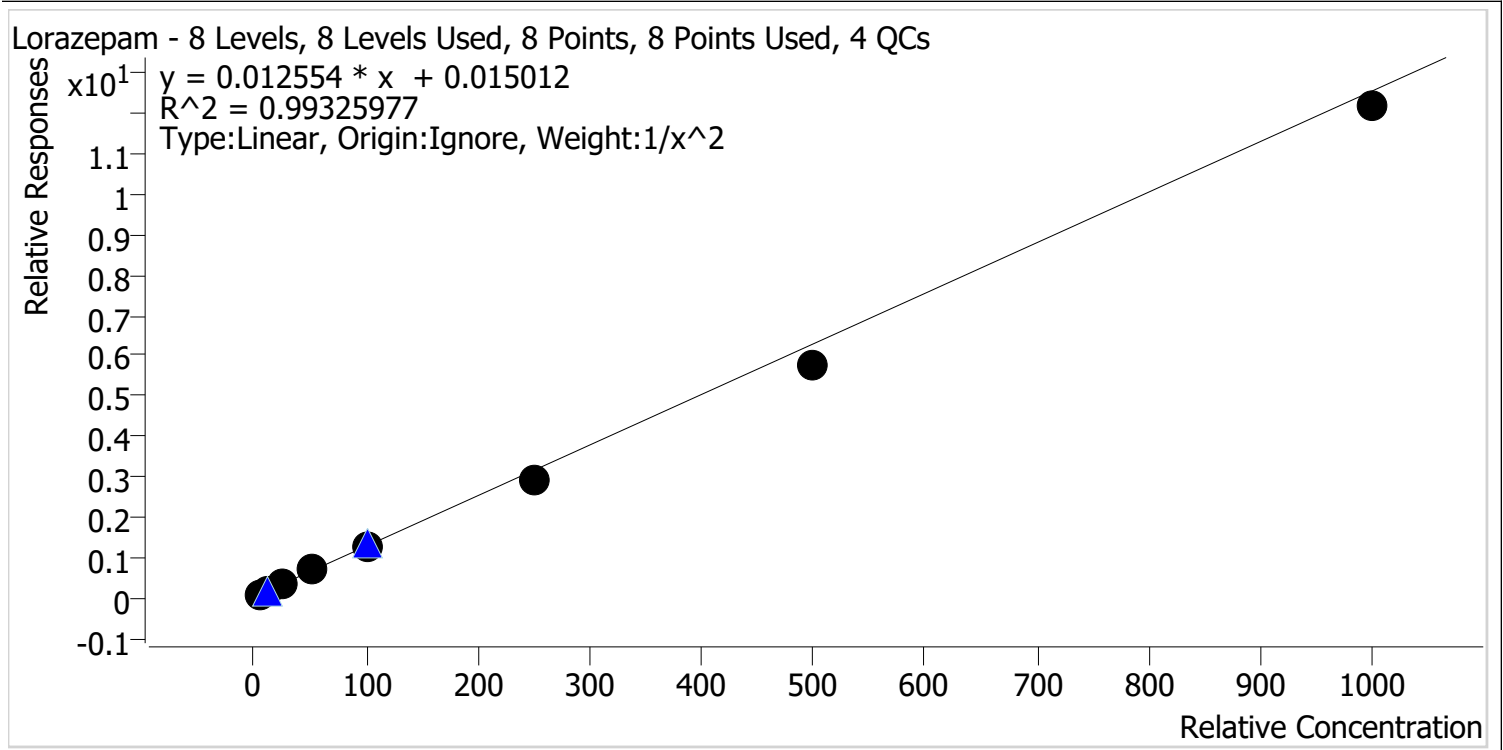


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	476.4	95.3
p1 Cal 8-1000ng	8	✓	1000.0	829.8	83.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Lorazepam **Internal Standard** Oxazepam-D5



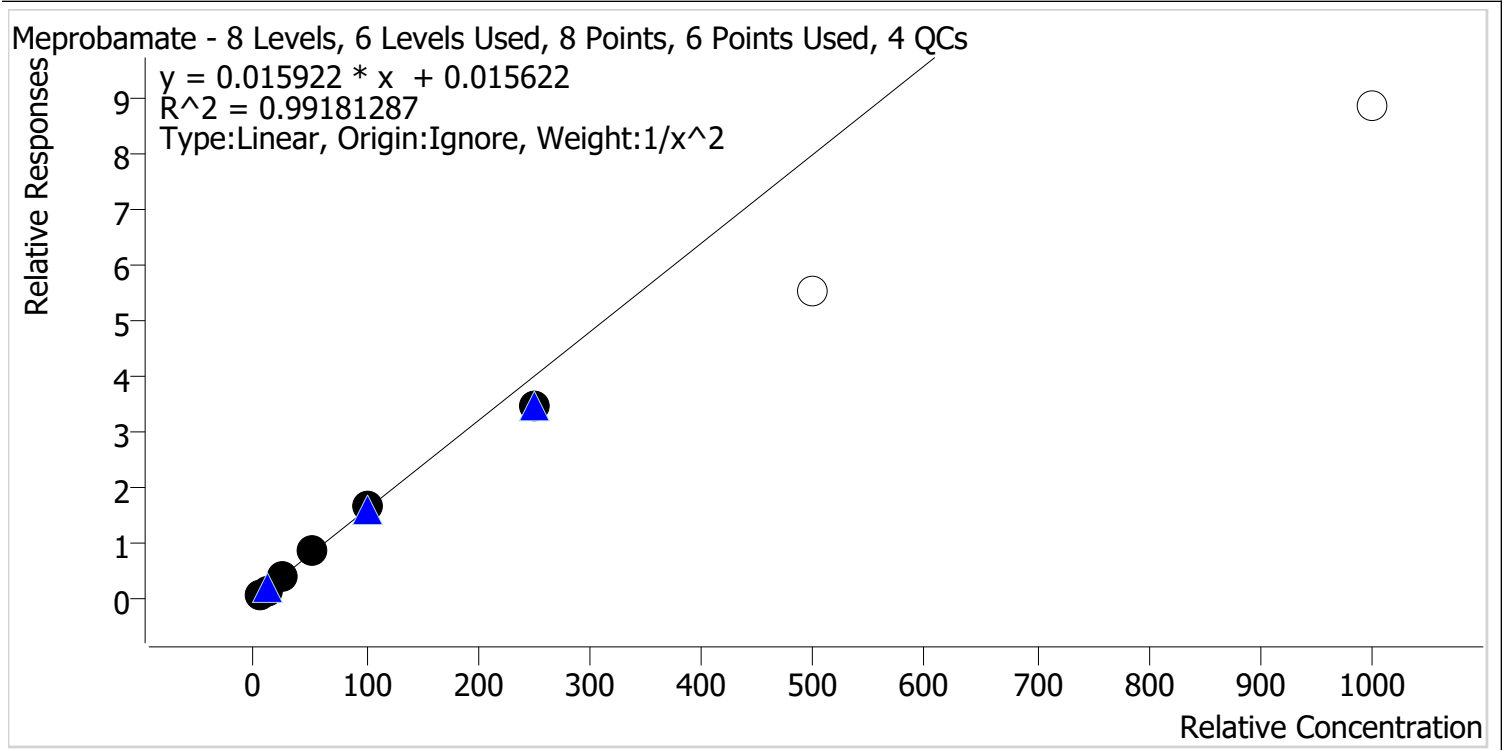
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.2
p1 Cal 2-10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.2
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	230.6	92.3
p1 Cal 7-500ng	7	✓	500.0	457.6	91.5
p1 Cal 8-1000ng	8	✓	1000.0	969.8	97.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Meprobamate **Internal Standard** Meprobamate-D7

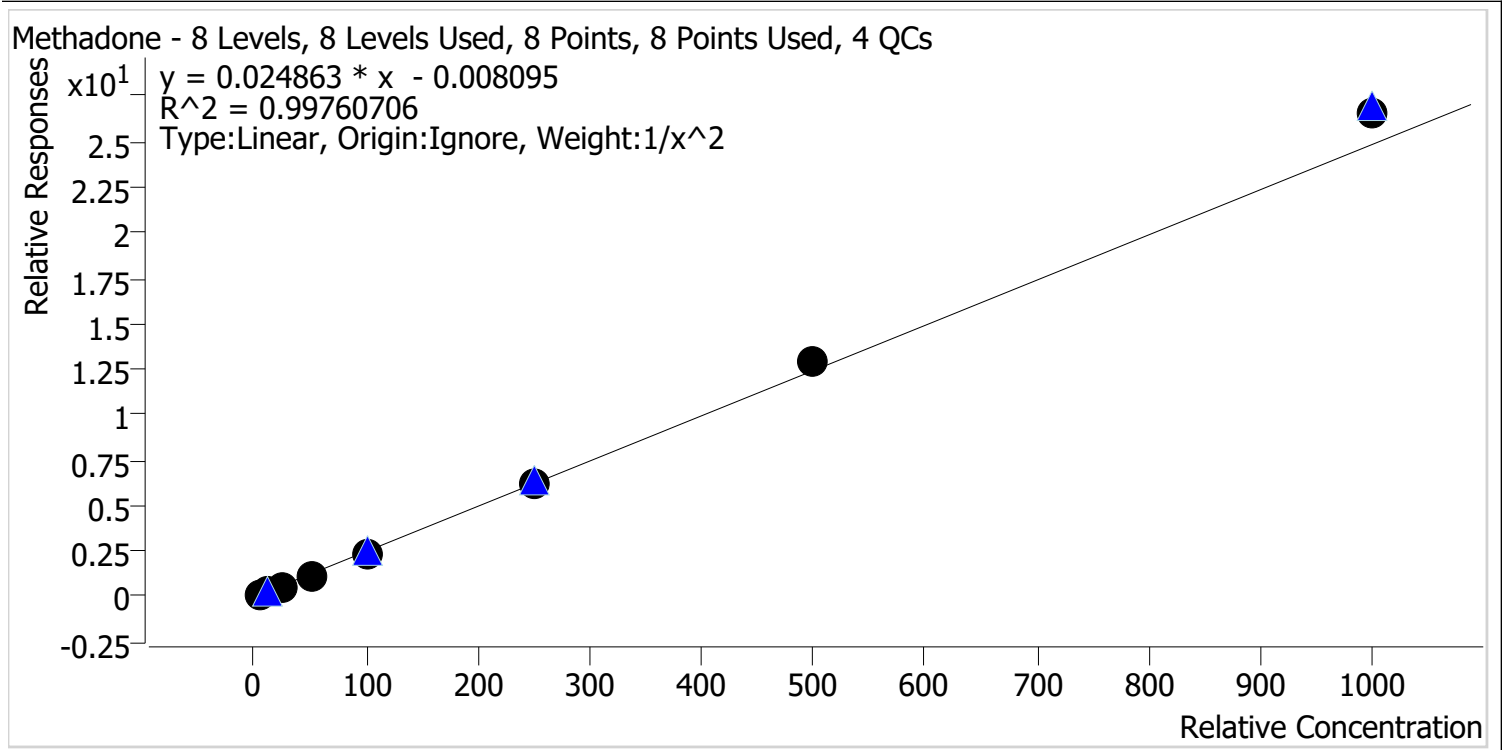


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	215.7	86.3
p1 Cal 7-500ng	7	x	500.0	345.5	69.1
p1 Cal 8-1000ng	8	x	1000.0	553.9	55.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Methadone **Internal Standard** Methadone-D9



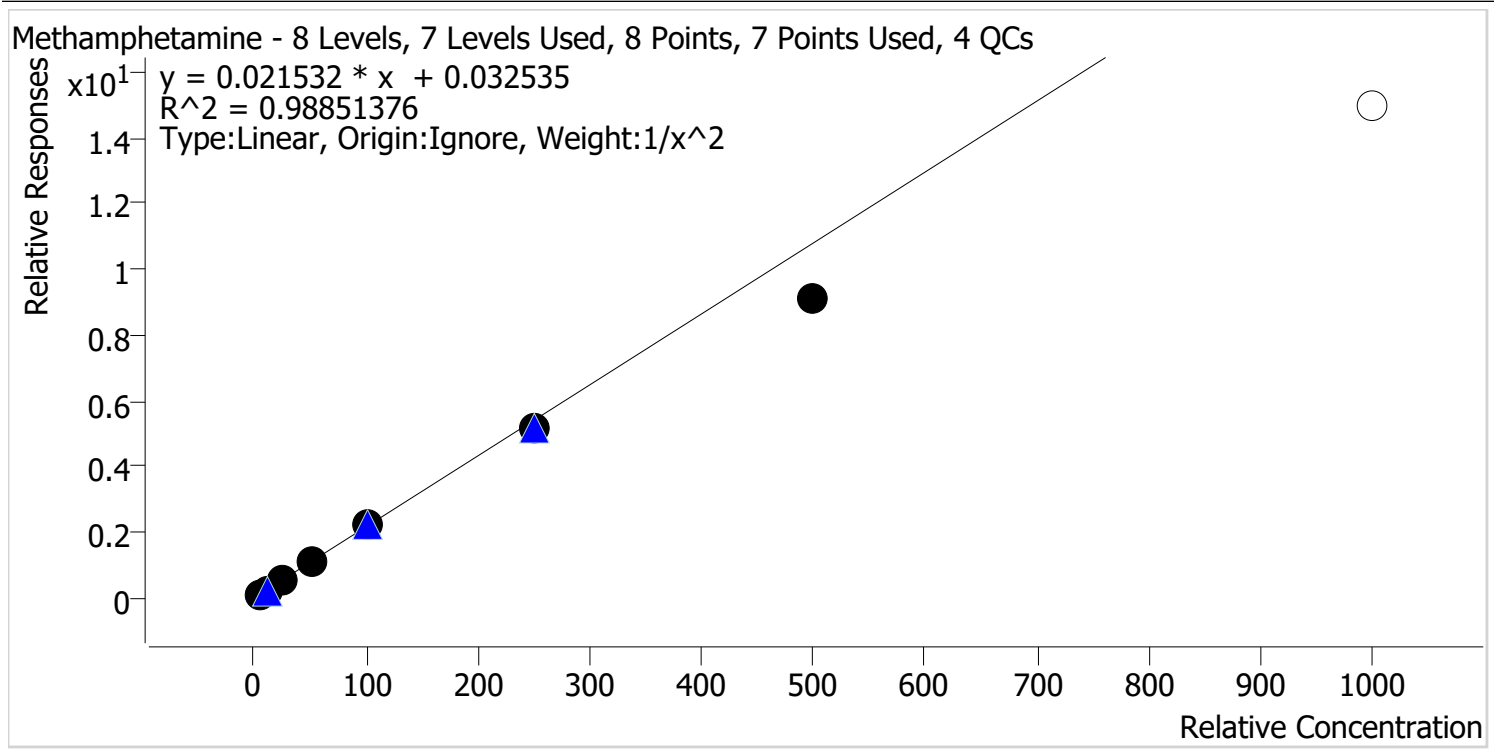
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1071.3	107.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

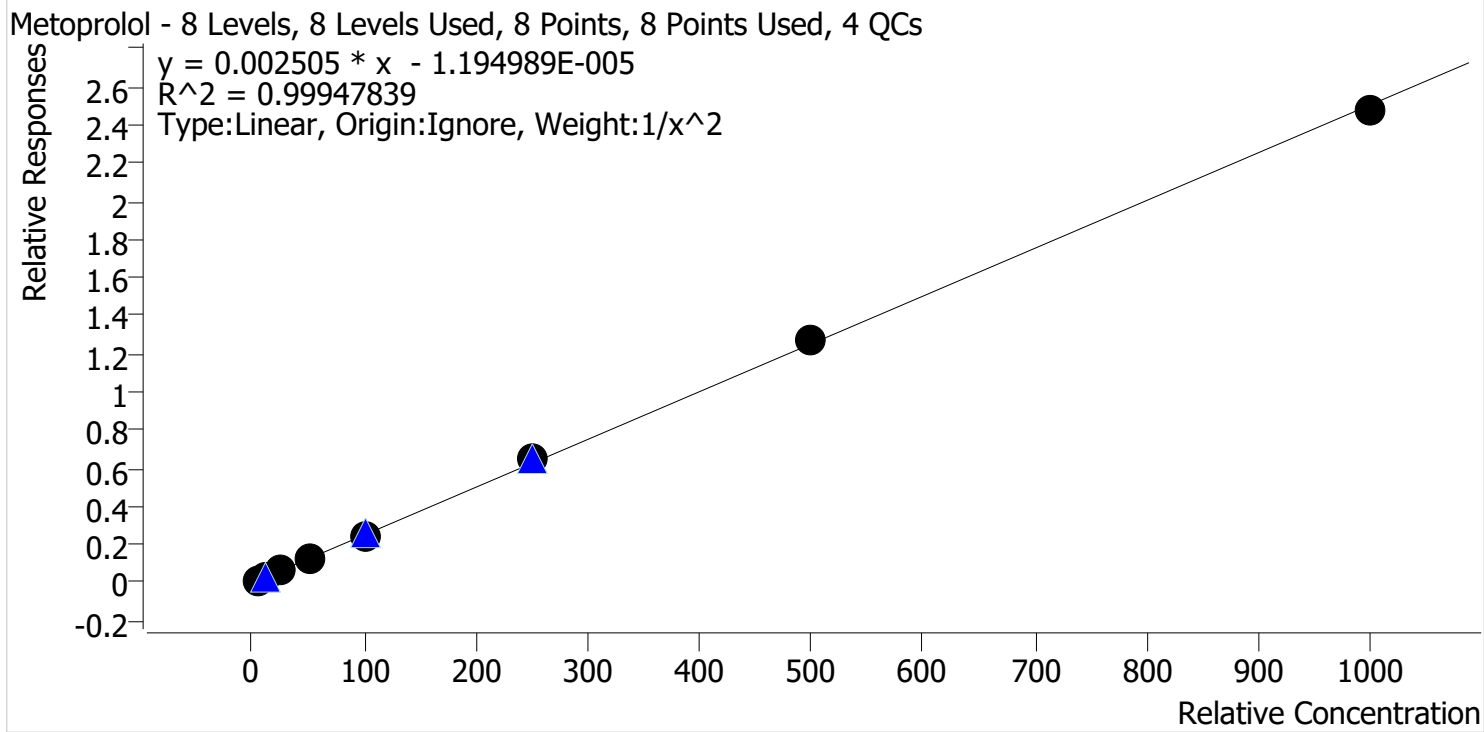


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	93.0
p1 Cal 2-10ng	2	✓	10.0	11.1	110.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	423.7	84.7
p1 Cal 8-1000ng	8	x	1000.0	692.7	69.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Metoprolol **Internal Standard** Pseudoephedrine-D3

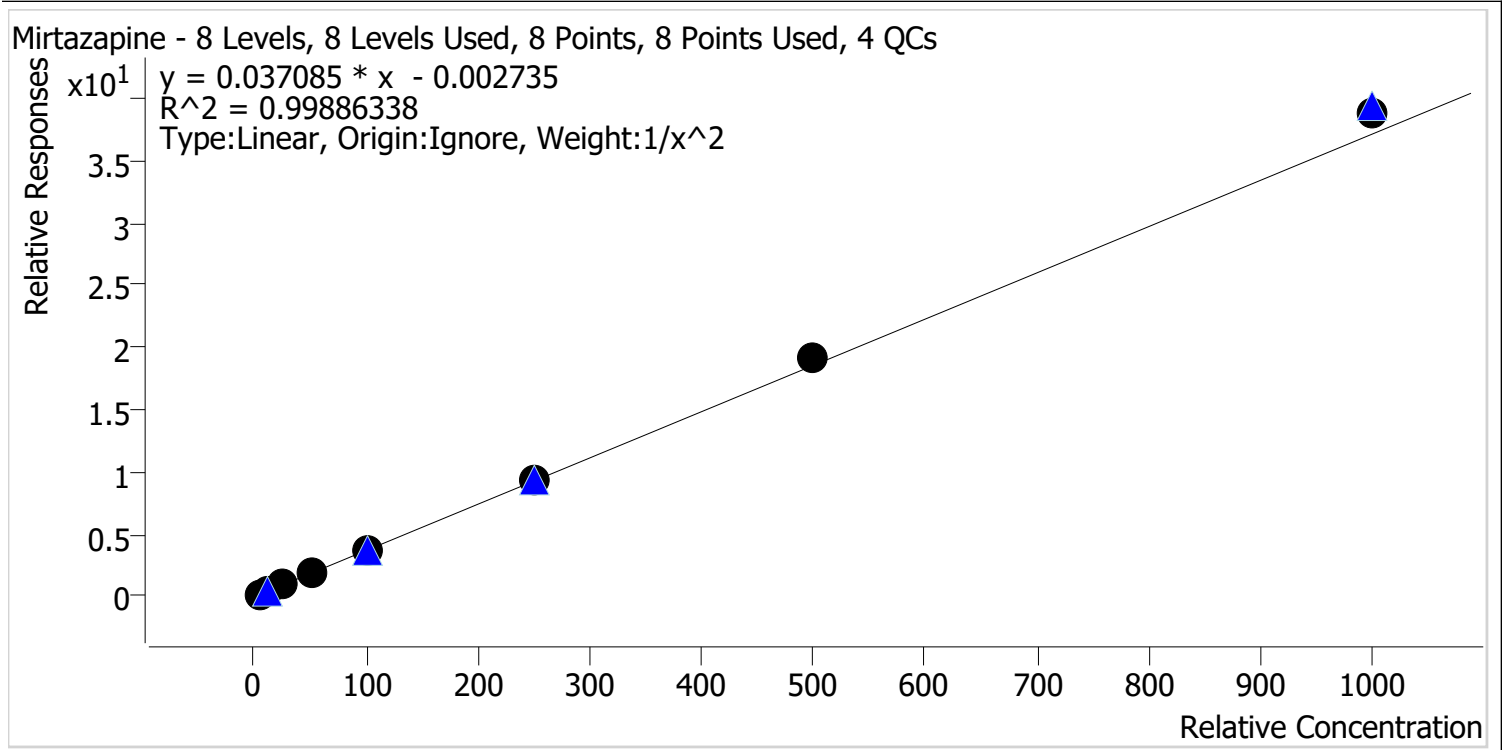


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	506.6	101.3
p1 Cal 8-1000ng	8	✓	1000.0	987.4	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

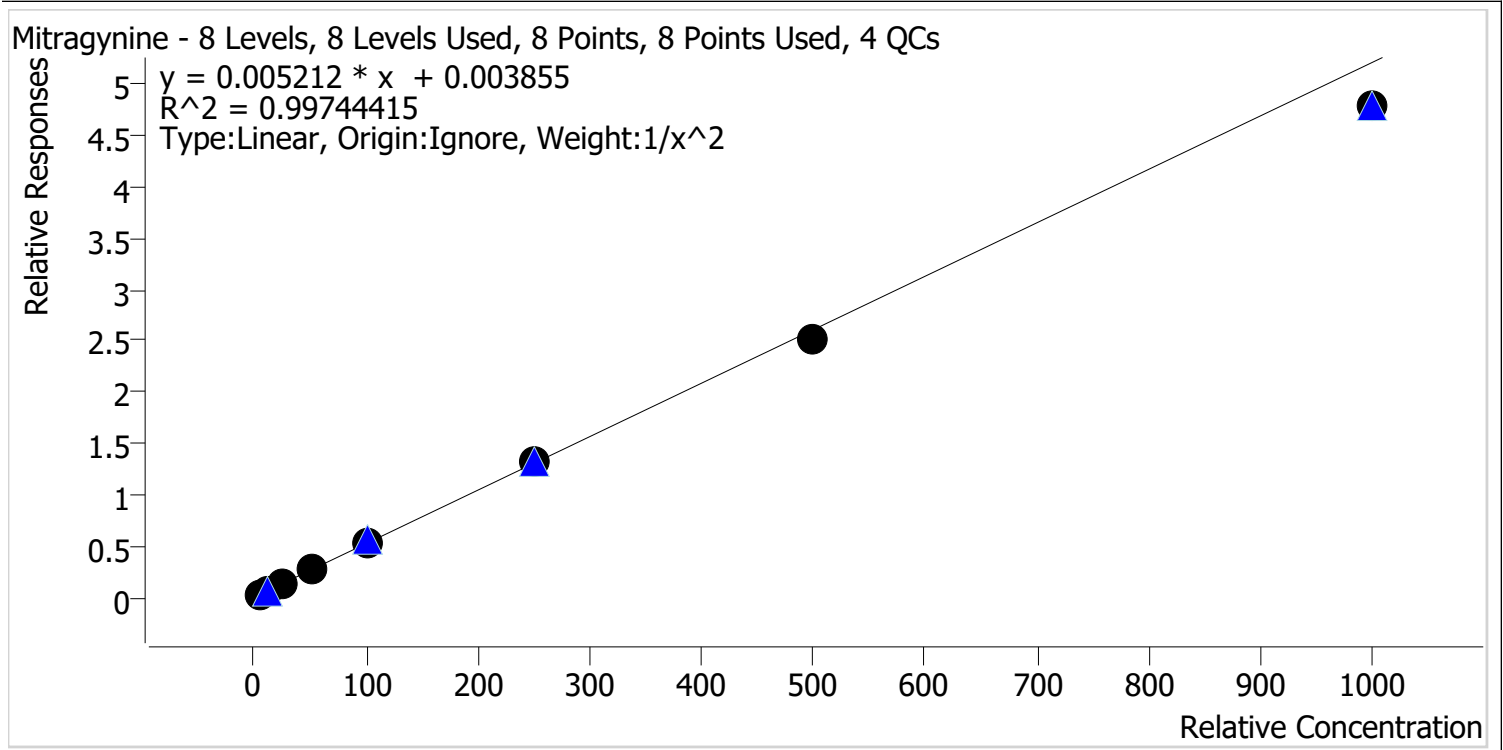


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1042.5	104.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Mitragynine **Internal Standard** Methadone-D9

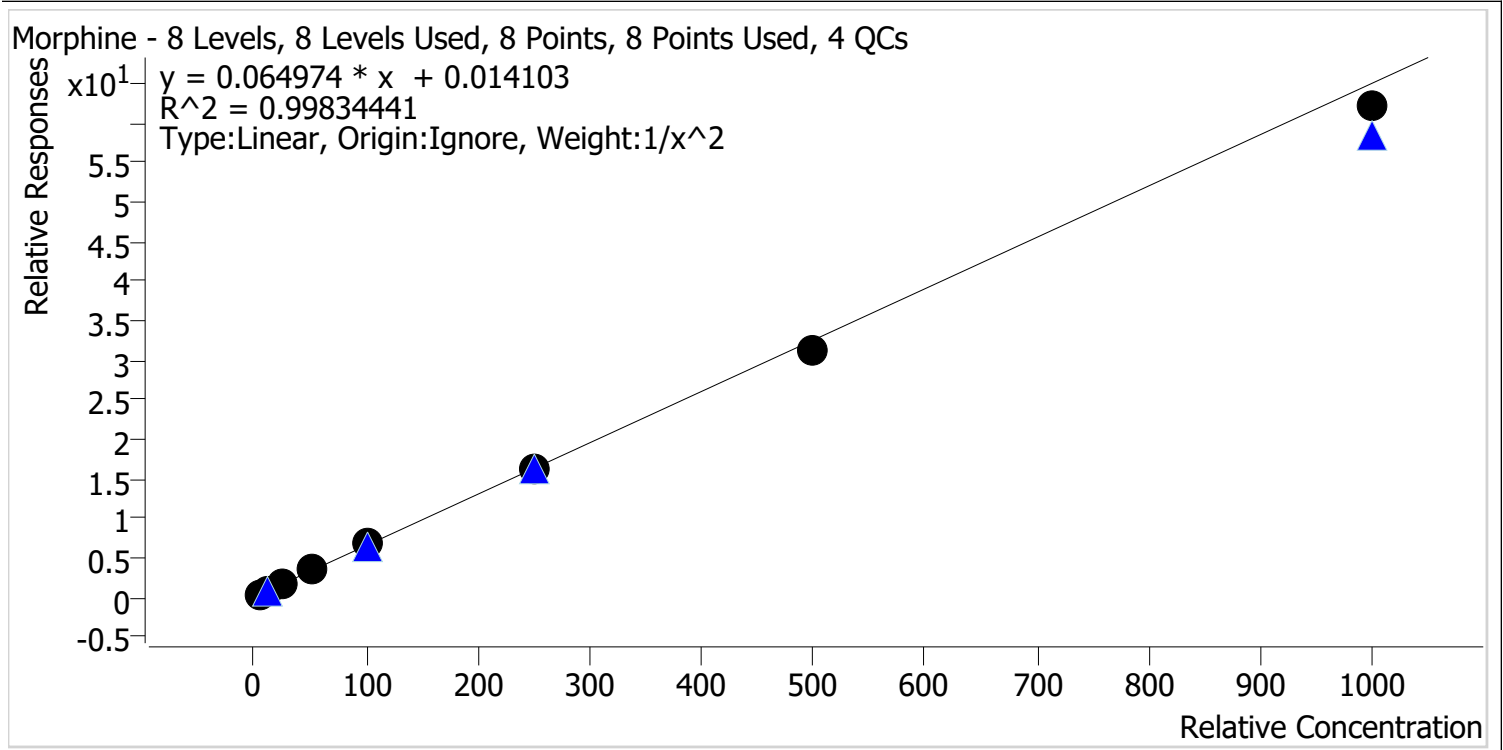


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	918.0	91.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Morphine **Internal Standard** Morphine-D6



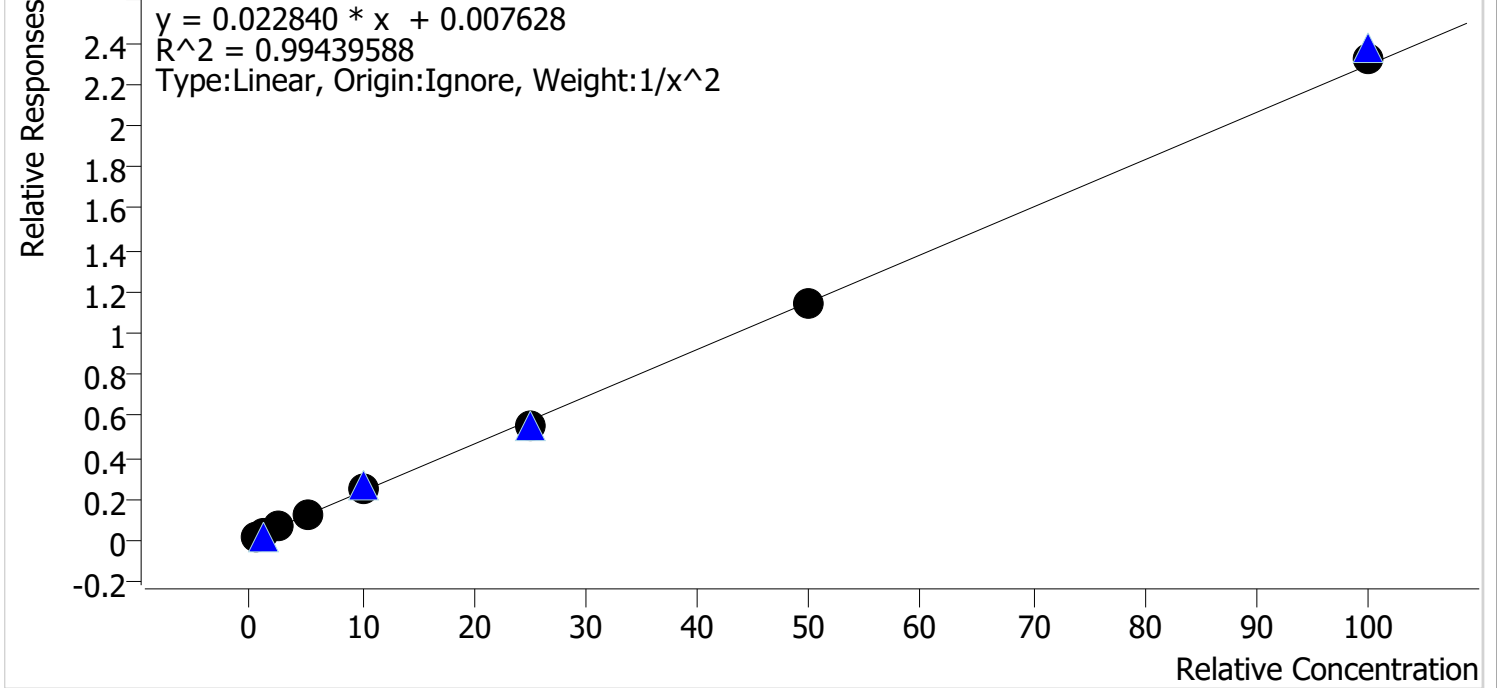
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	477.3	95.5
p1 Cal 8-1000ng	8	✓	1000.0	955.2	95.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



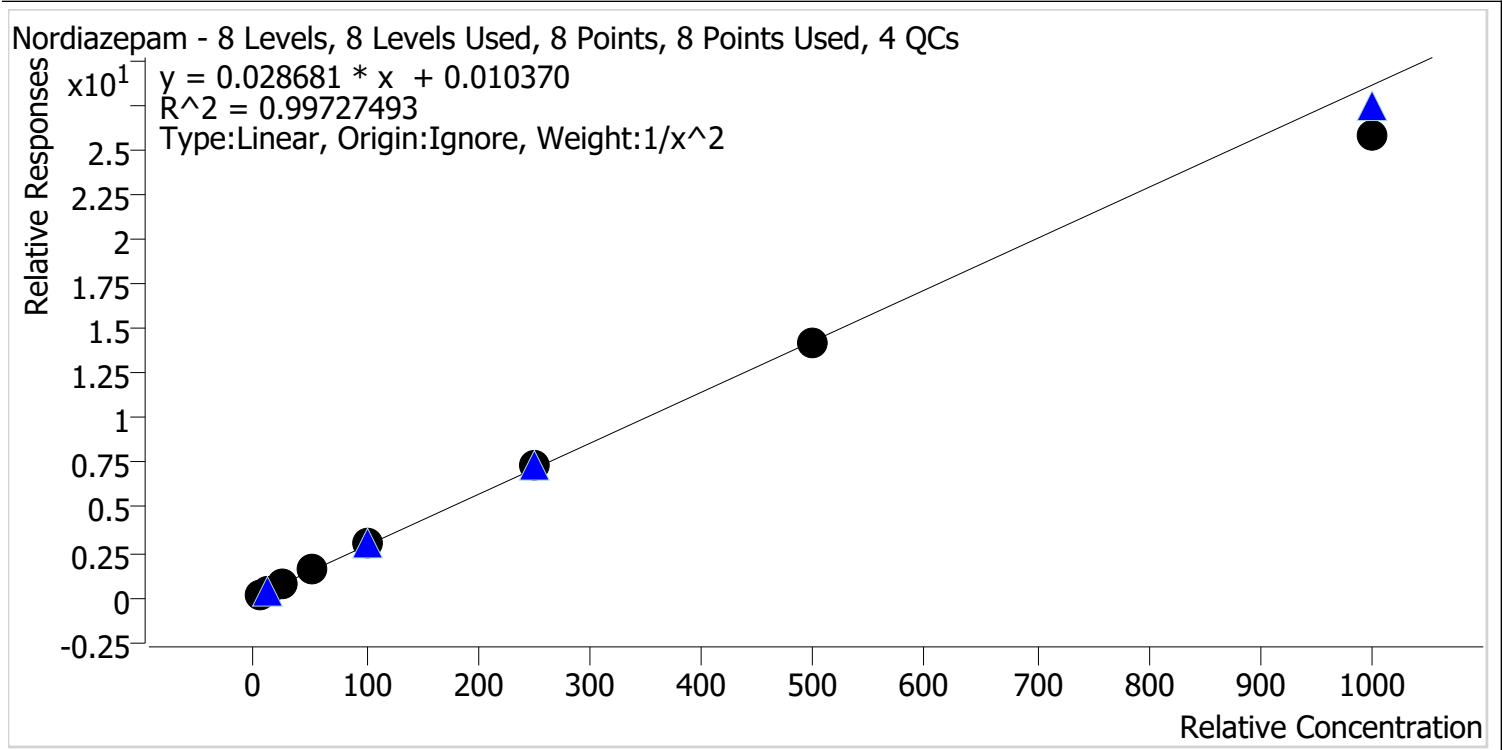
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.7
p1 Cal 2-10ng	2	✓	1.0	0.9	88.8
p1 Cal 3 -25ng	3	✓	2.5	2.8	110.8
p1 Cal 4-50ng	4	✓	5.0	4.8	96.7
p1 Cal 5-100ng	5	✓	10.0	10.4	103.6
p1 Cal 6-250ng	6	✓	25.0	24.1	96.2
p1 Cal 7-500ng	7	✓	50.0	49.6	99.2
p1 Cal 8-1000ng	8	✓	100.0	101.0	101.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

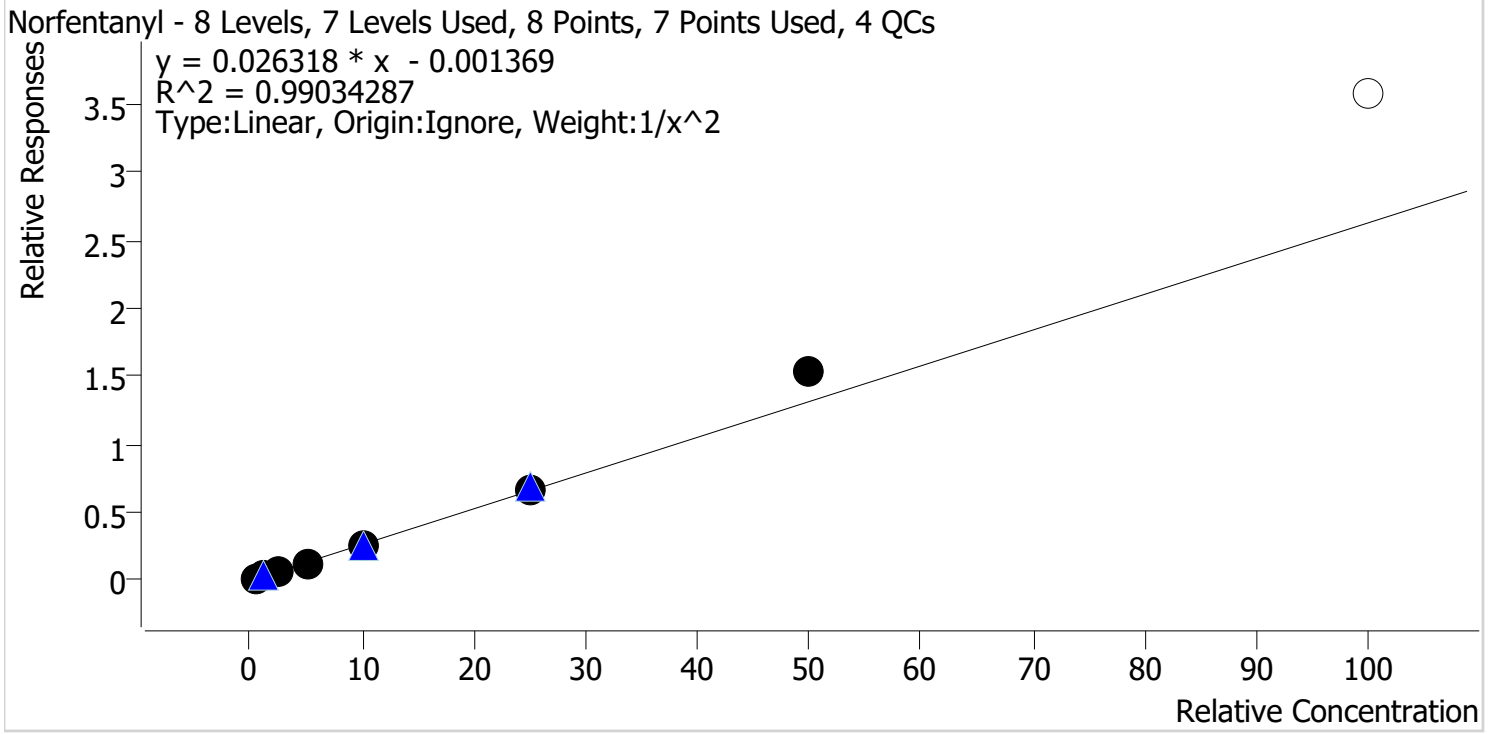


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	900.2	90.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

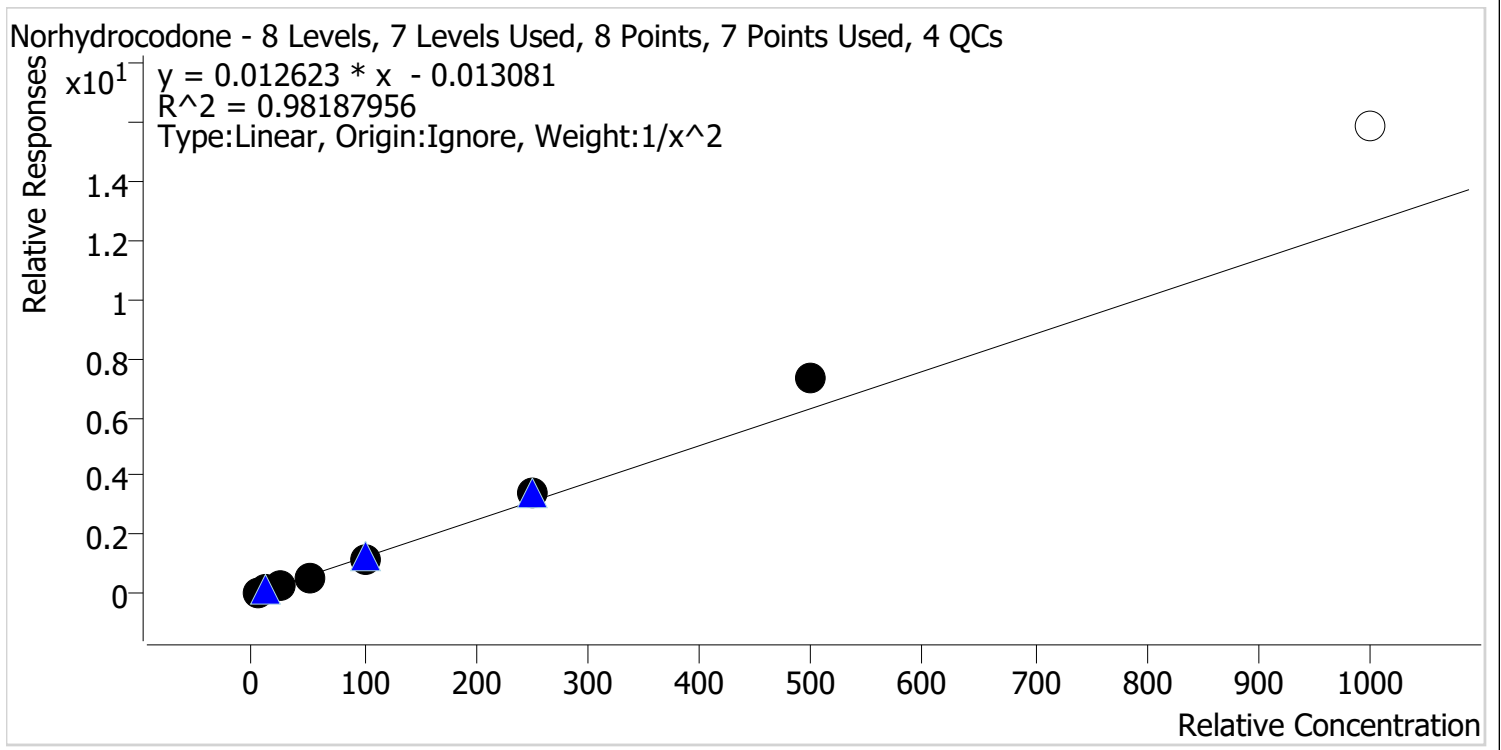


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.7
p1 Cal 2-10ng	2	✓	1.0	0.9	94.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.9
p1 Cal 4-50ng	4	✓	5.0	4.7	94.3
p1 Cal 5-100ng	5	✓	10.0	9.4	94.2
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	57.9	115.9
p1 Cal 8-1000ng	8	x	100.0	136.3	136.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.7
p1 Cal 2-10ng	2	✓	10.0	8.8	87.7
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.7
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	274.6	109.8
p1 Cal 7-500ng	7	✓	500.0	584.4	116.9
p1 Cal 8-1000ng	8	x	1000.0	1264.4	126.4

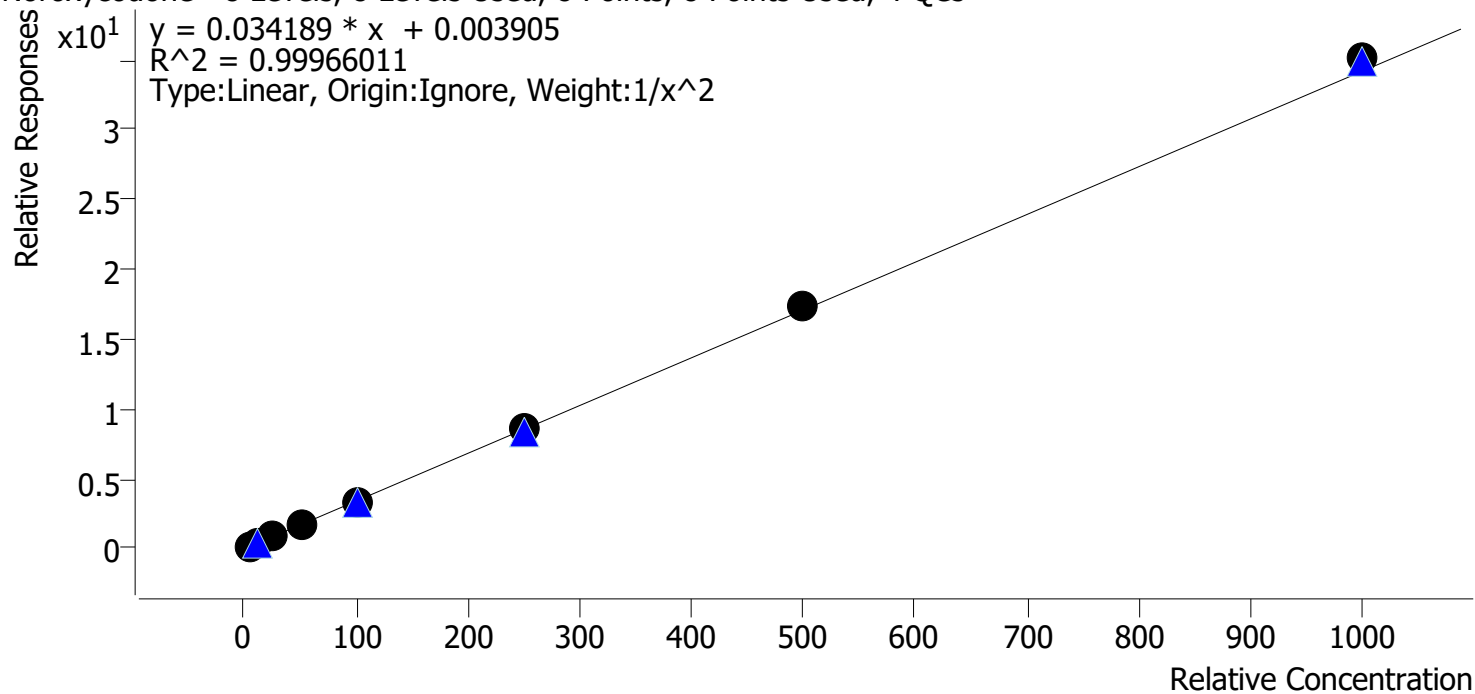
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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



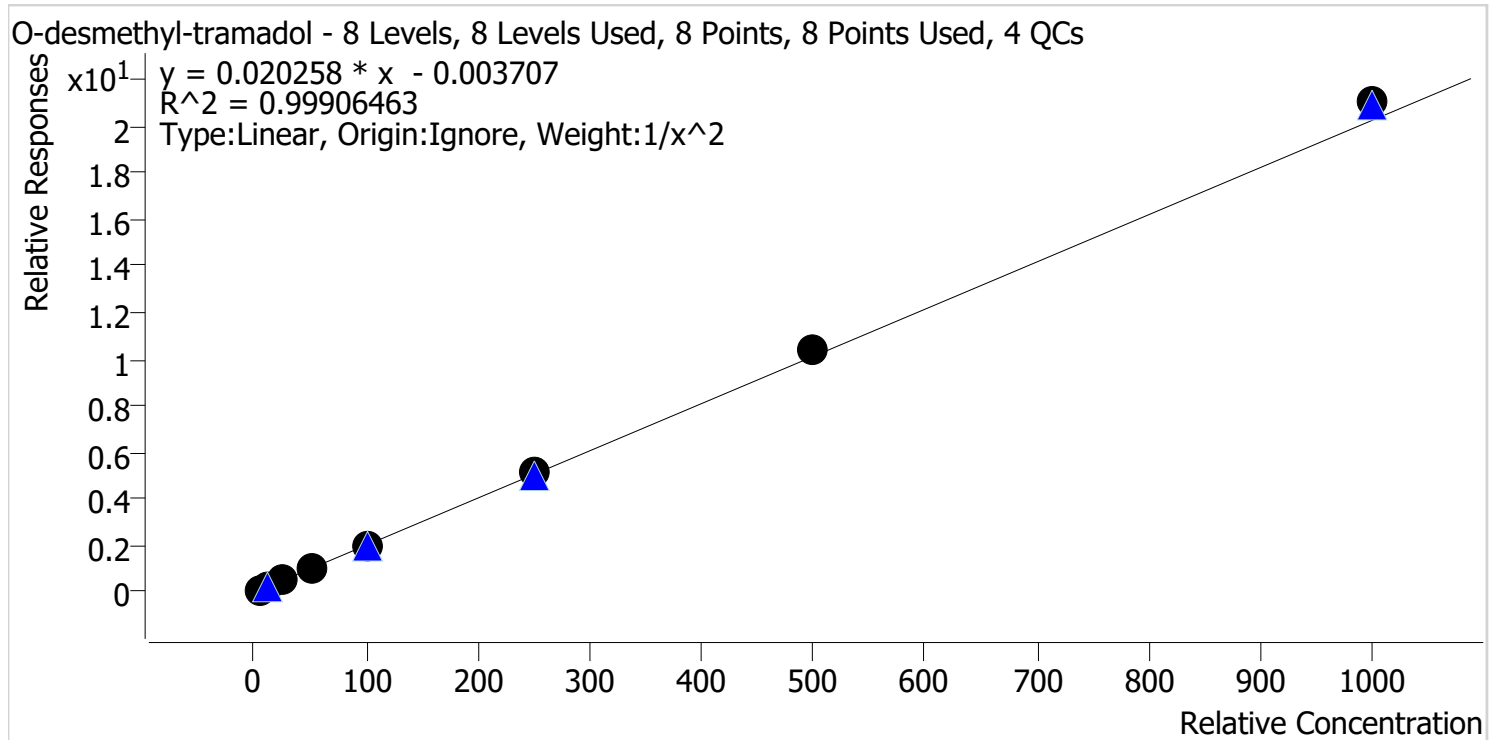
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1027.2	102.7

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

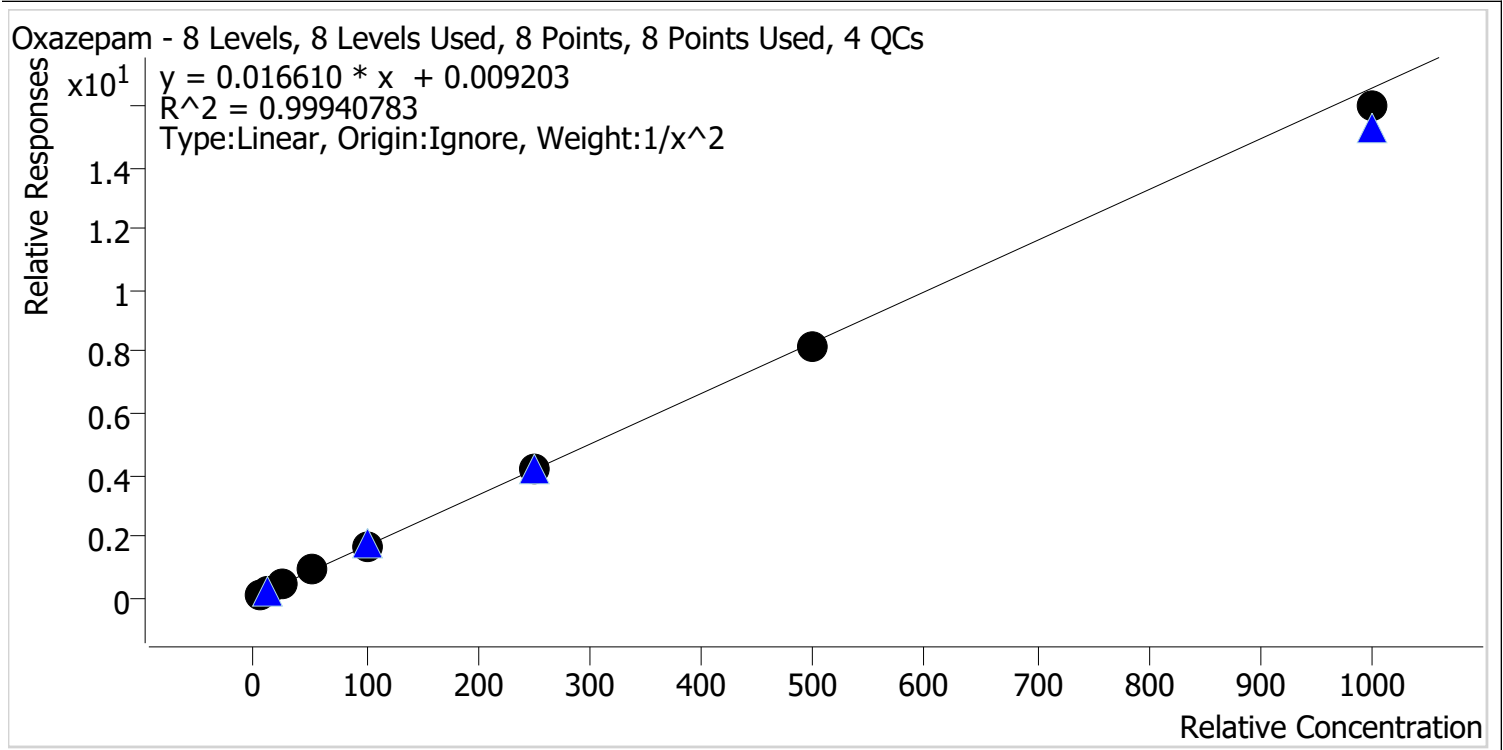


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1039.0	103.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Oxazepam **Internal Standard** Oxazepam-D5

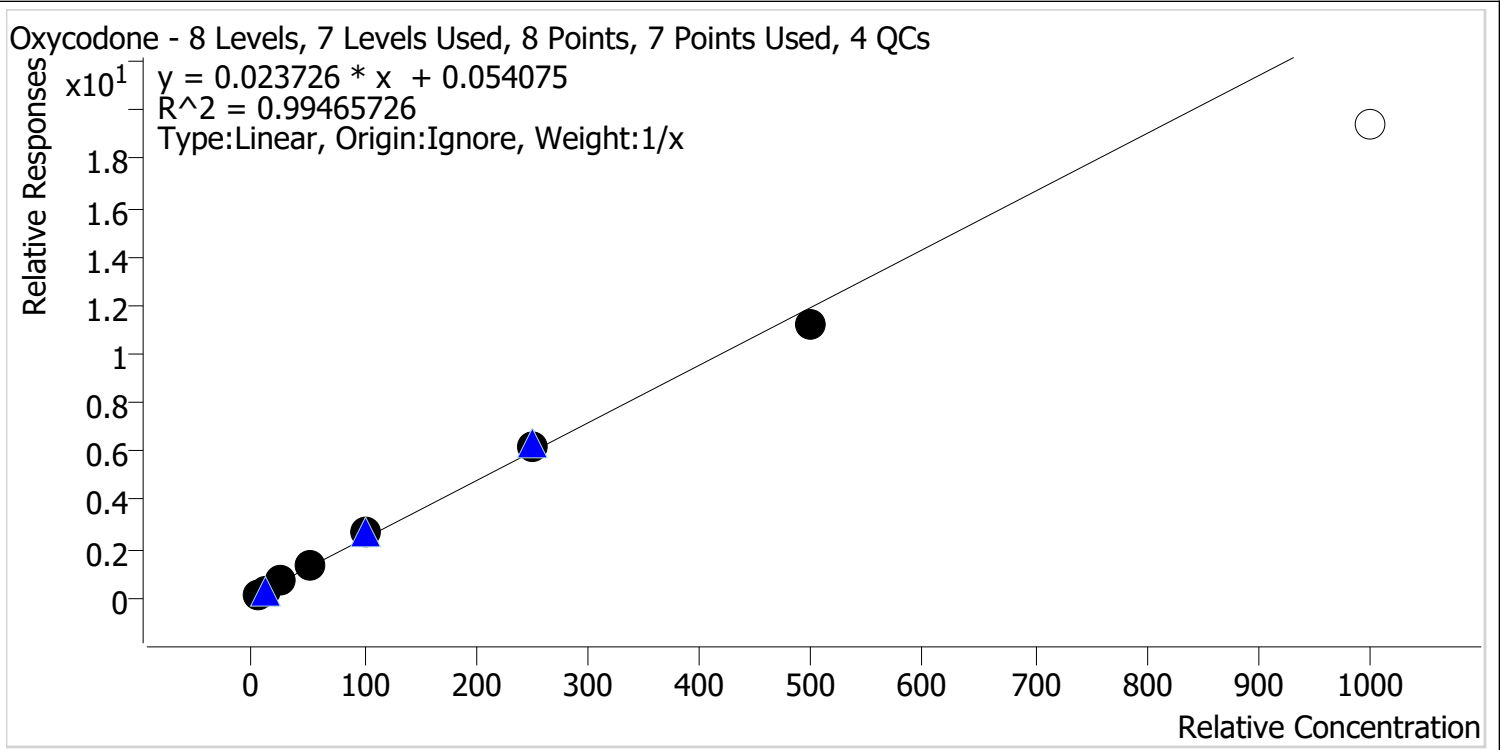


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	964.1	96.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Oxycodone **Internal Standard** Oxycodone-D6

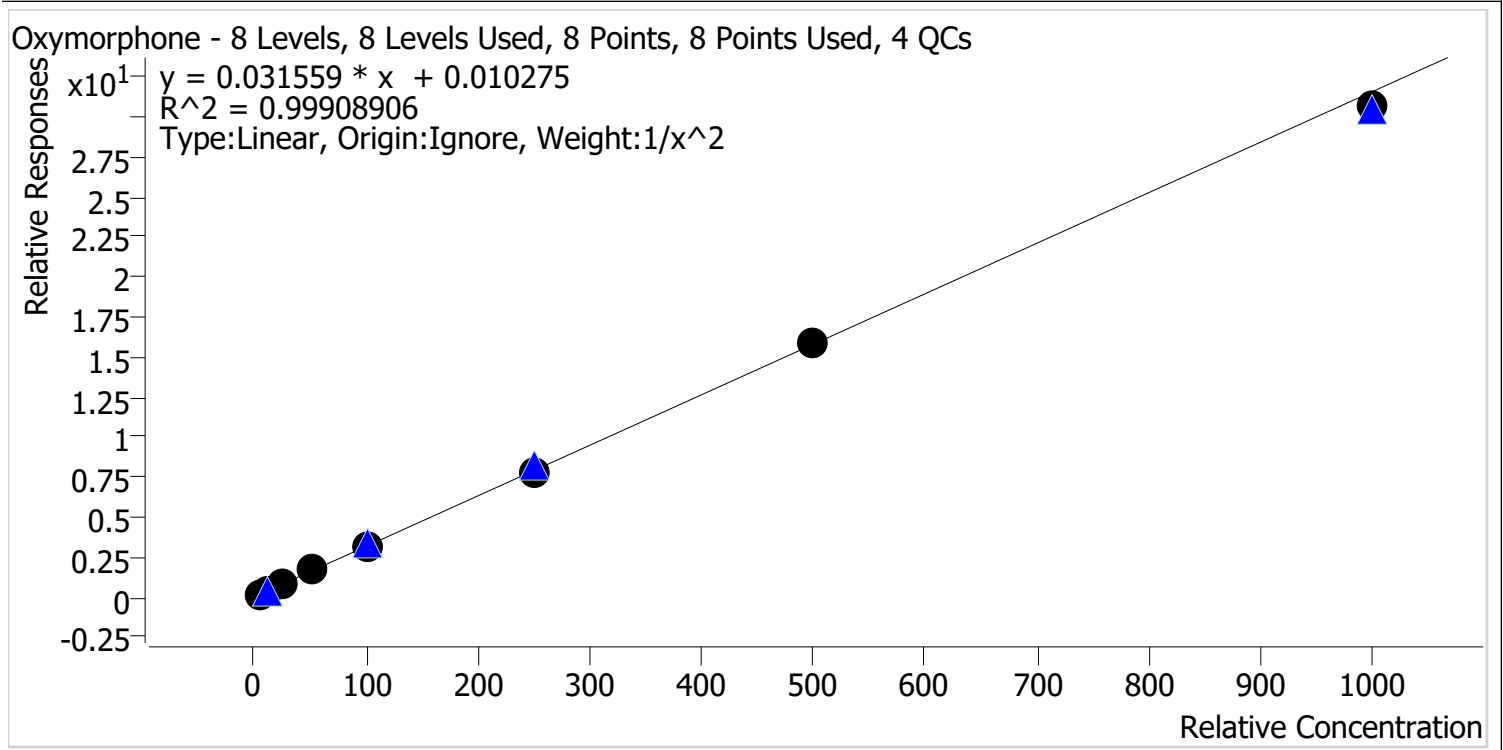


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	75.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ng	5	✓	100.0	111.9	111.9
p1 Cal 6-250ng	6	✓	250.0	259.9	103.9
p1 Cal 7-500ng	7	✓	500.0	472.6	94.5
p1 Cal 8-1000ng	8	x	1000.0	814.3	81.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

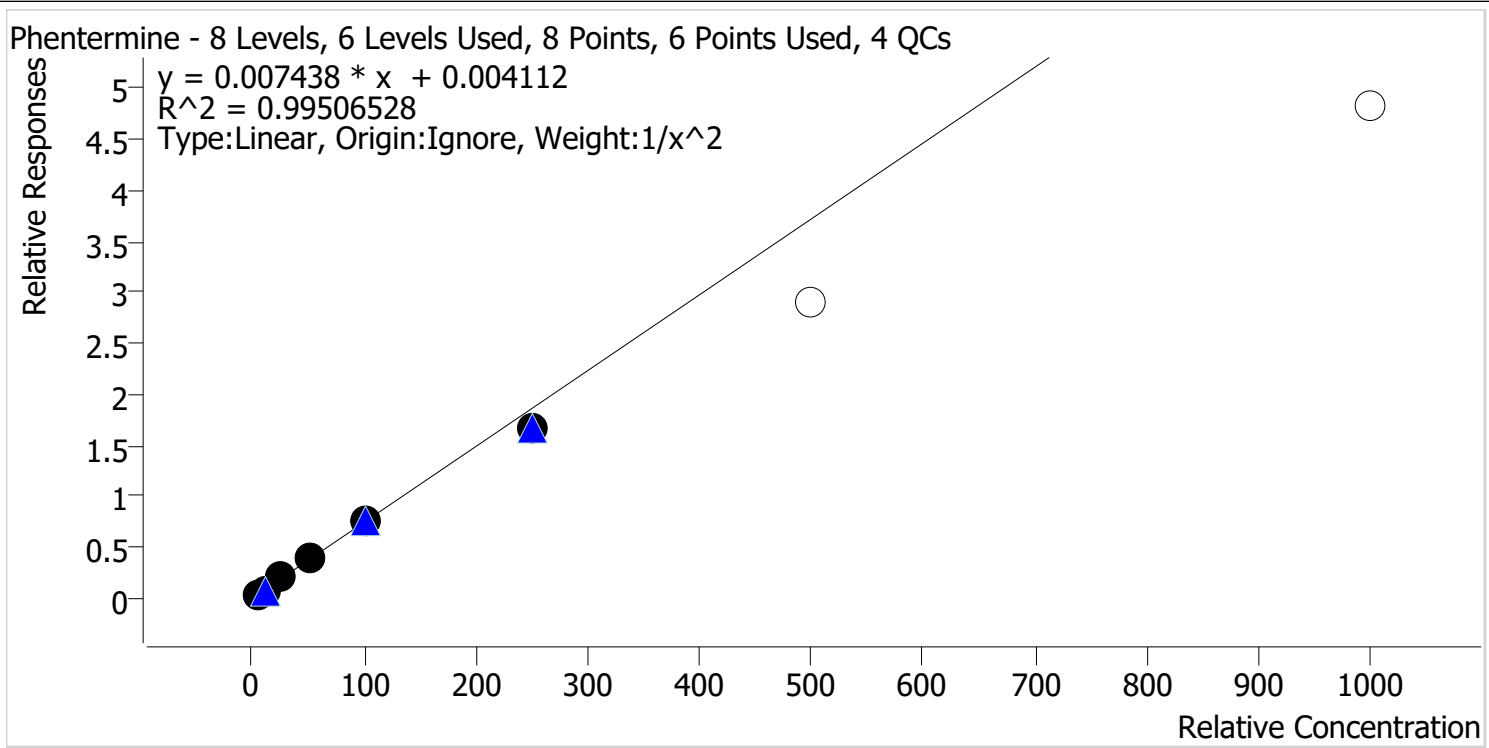


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	971.2	97.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Phentermine **Internal Standard** Phentermine-D5



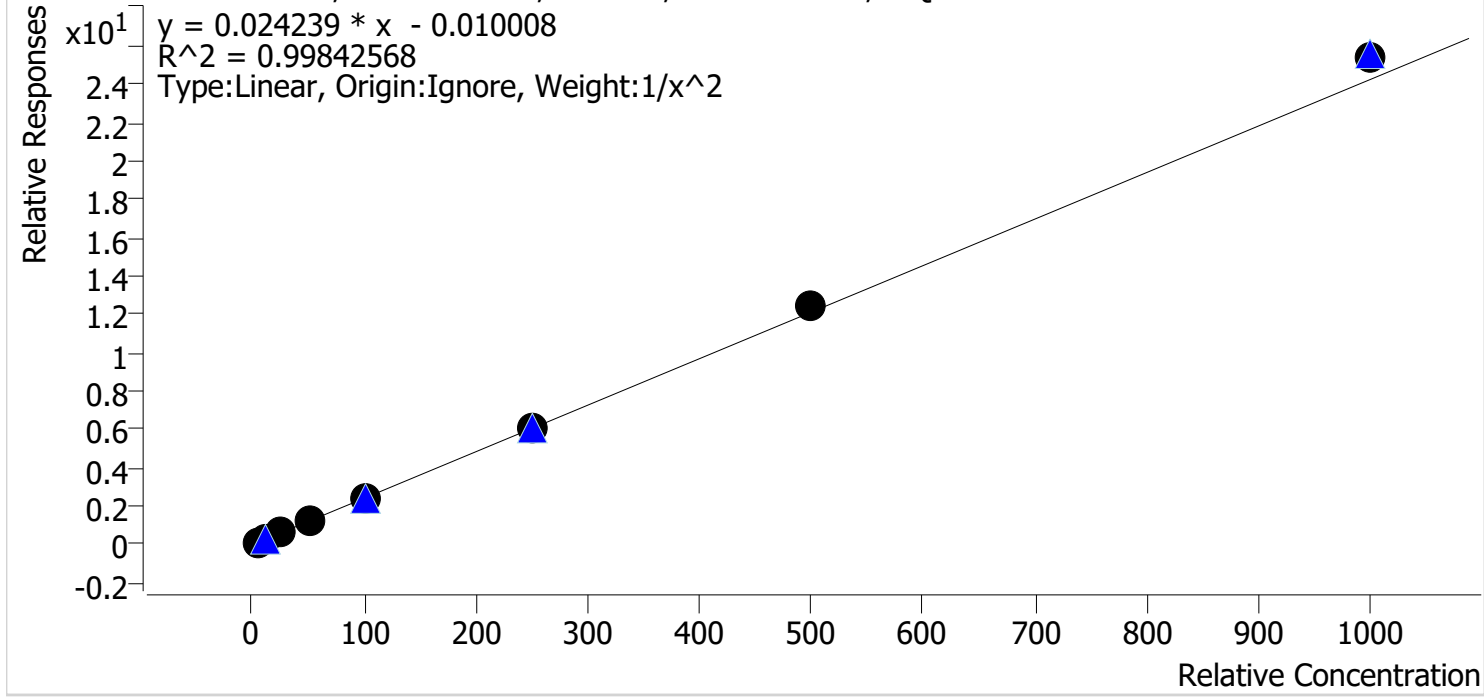
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	223.9	89.6
p1 Cal 7-500ng	7	✗	500.0	388.4	77.7
p1 Cal 8-1000ng	8	✗	1000.0	648.6	64.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Promethazine **Internal Standard** Promethazine-D3

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

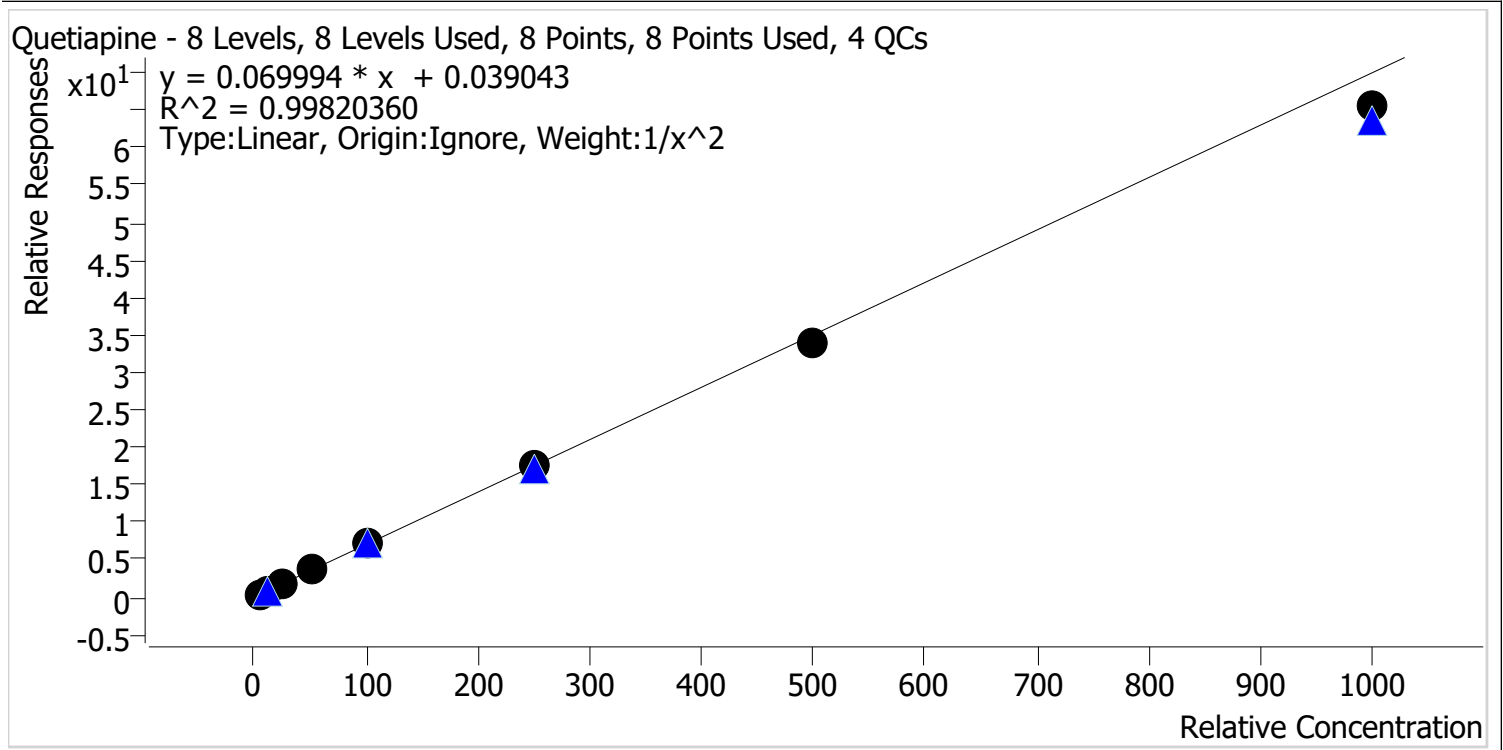


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	514.8	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1050.1	105.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Quetiapine **Internal Standard** Quetiapine-D8



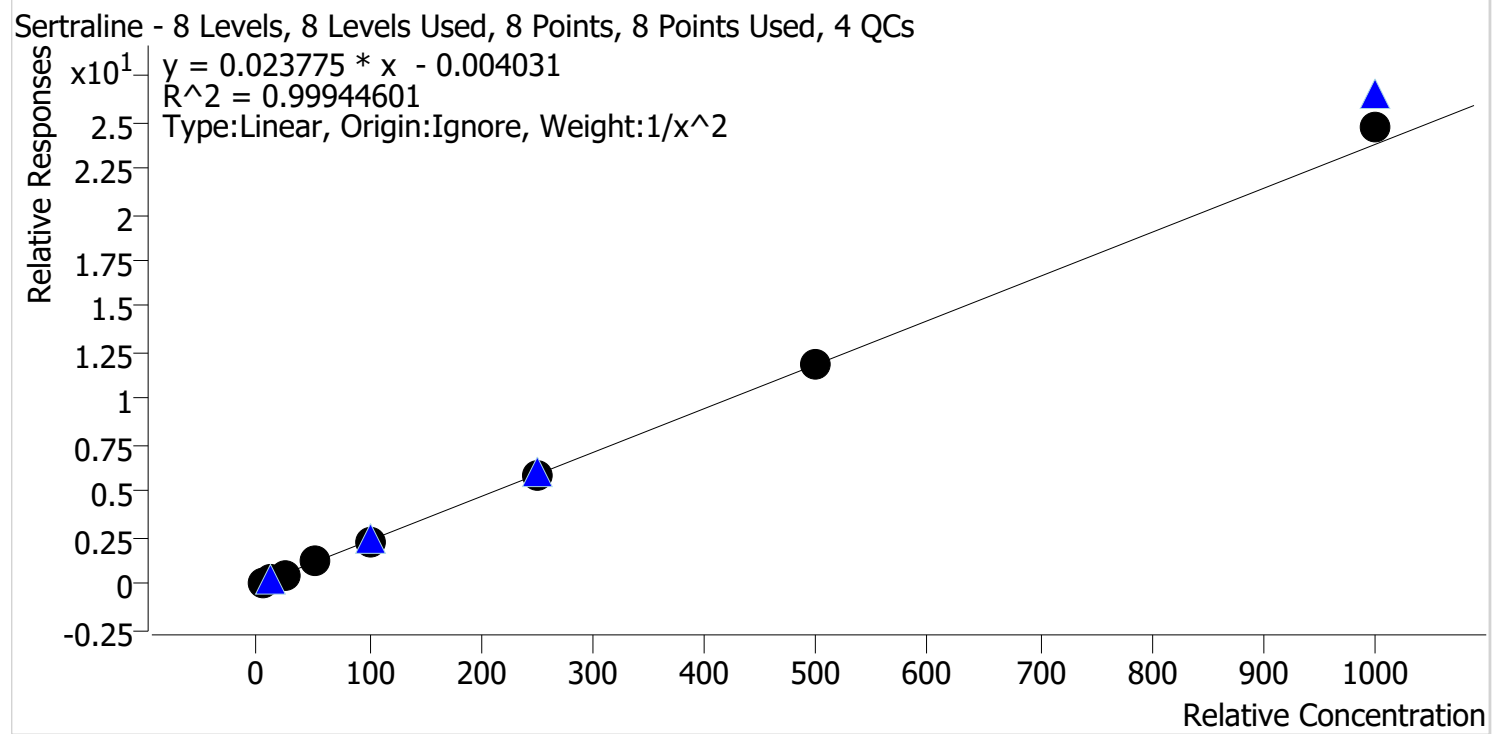
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	486.0	97.2
p1 Cal 8-1000ng	8	✓	1000.0	936.1	93.6

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Sertraline **Internal Standard** Sertraline-D3



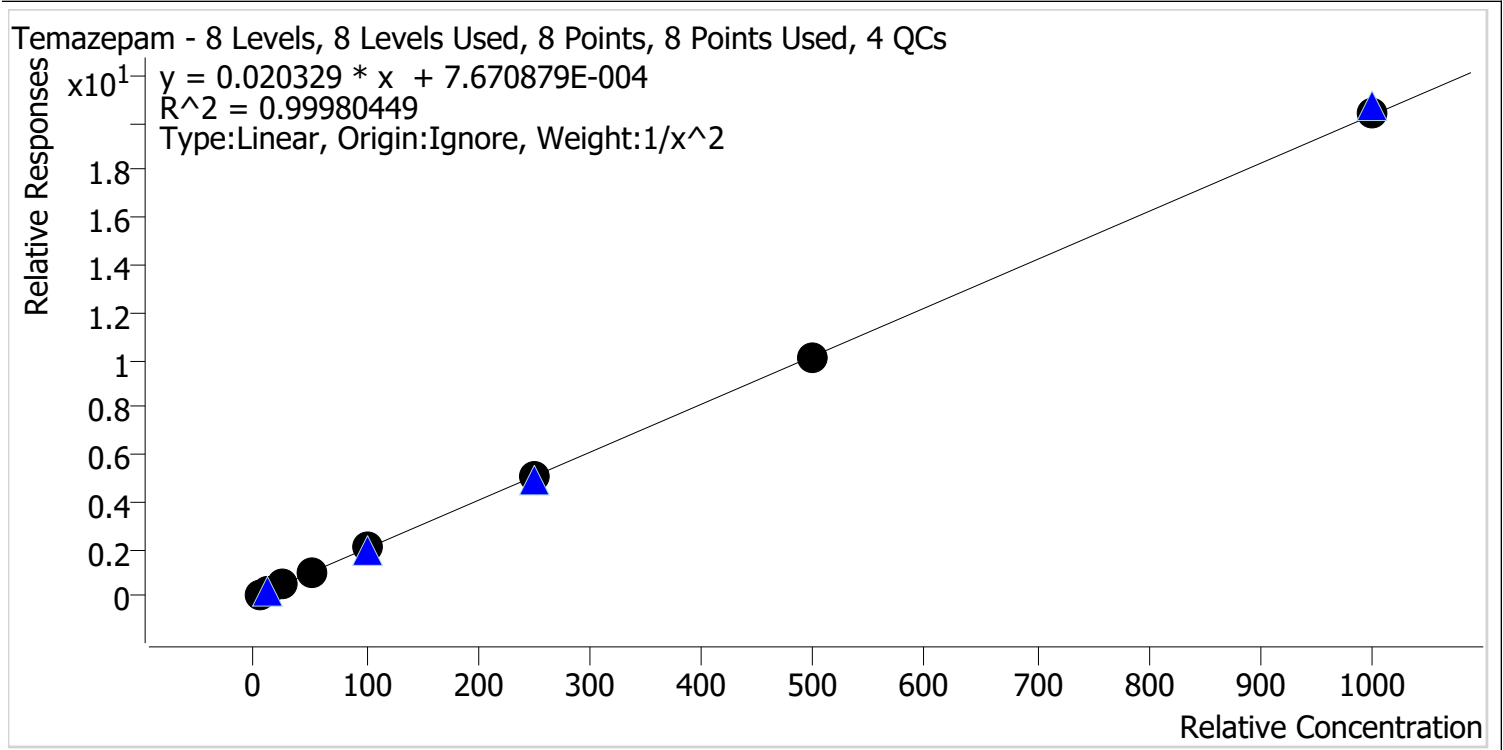
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1038.4	103.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Temazepam **Internal Standard** Temazepam-D5

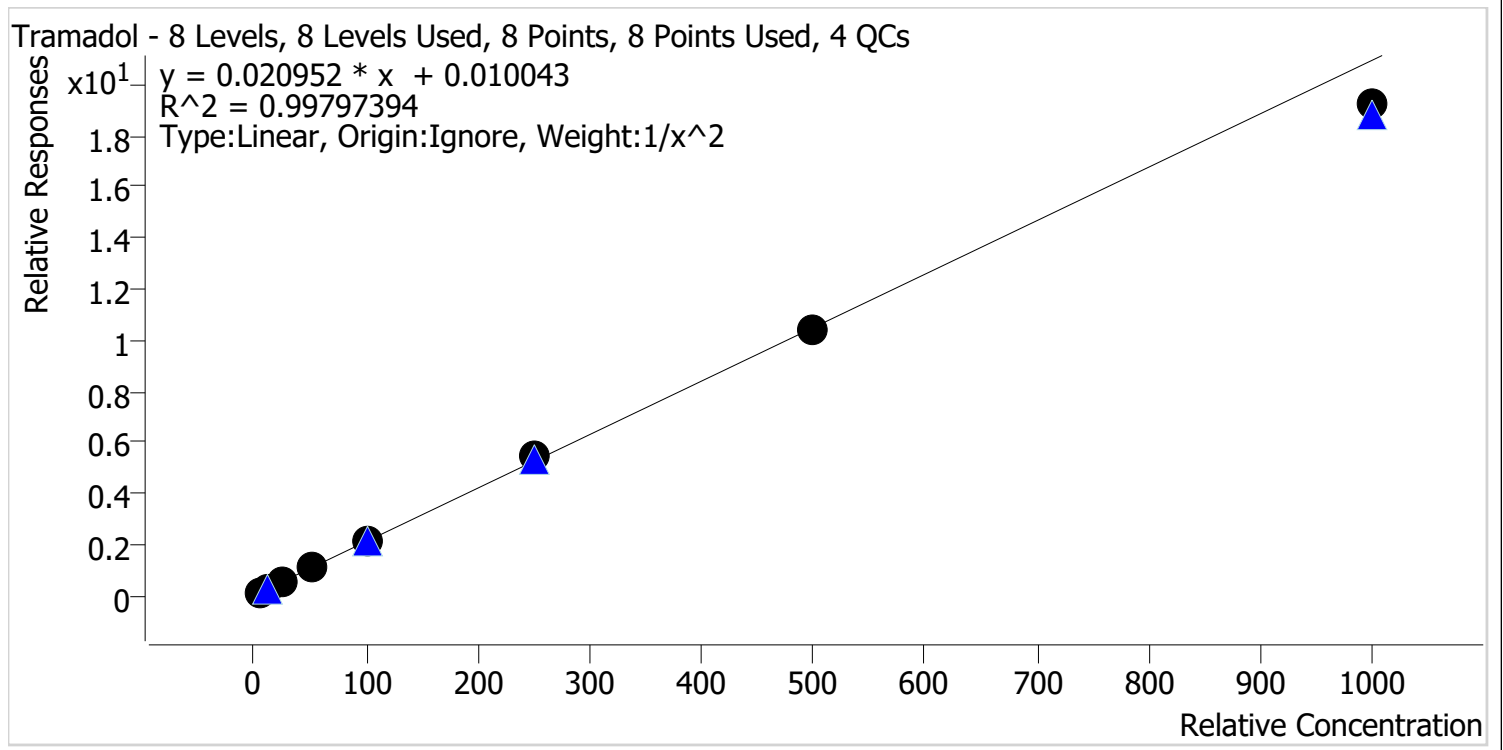


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1003.4	100.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

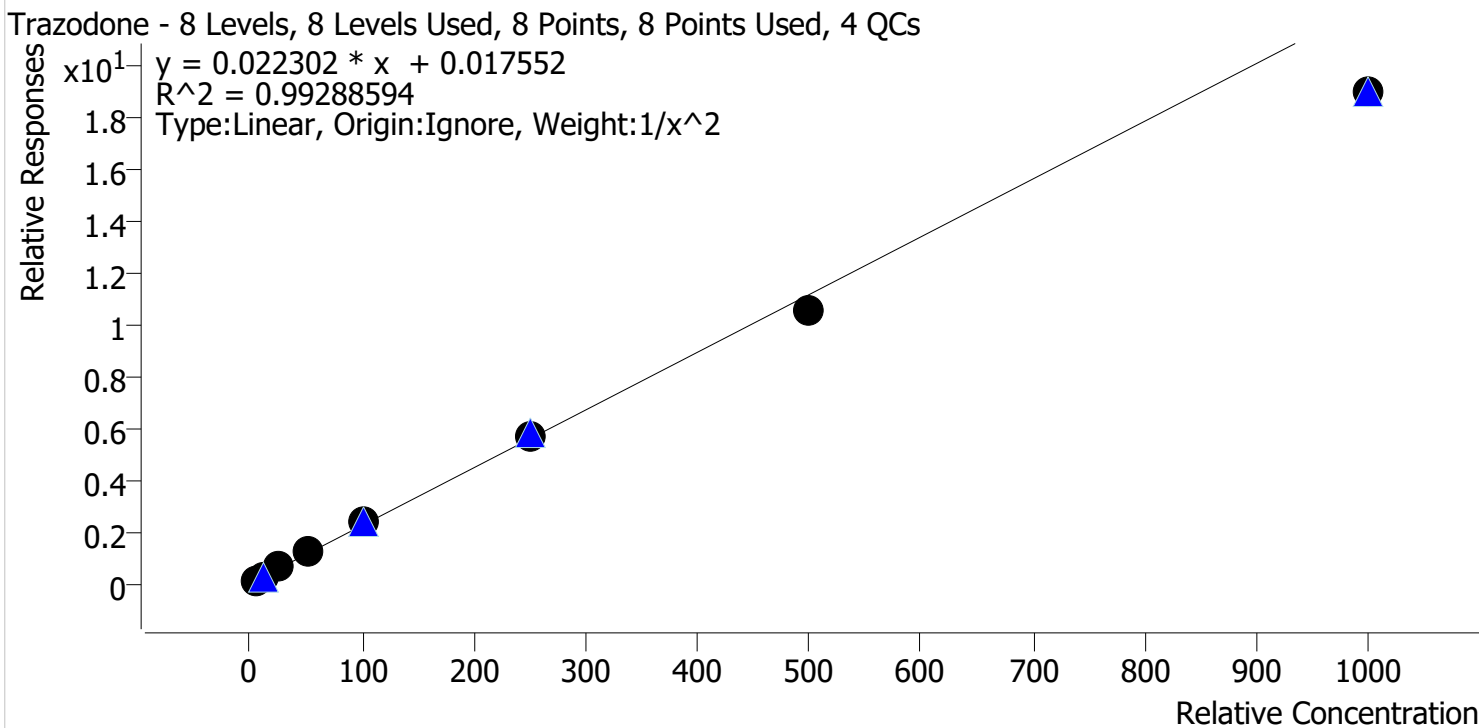


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	917.7	91.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Trazodone **Internal Standard** Trazodone-D6

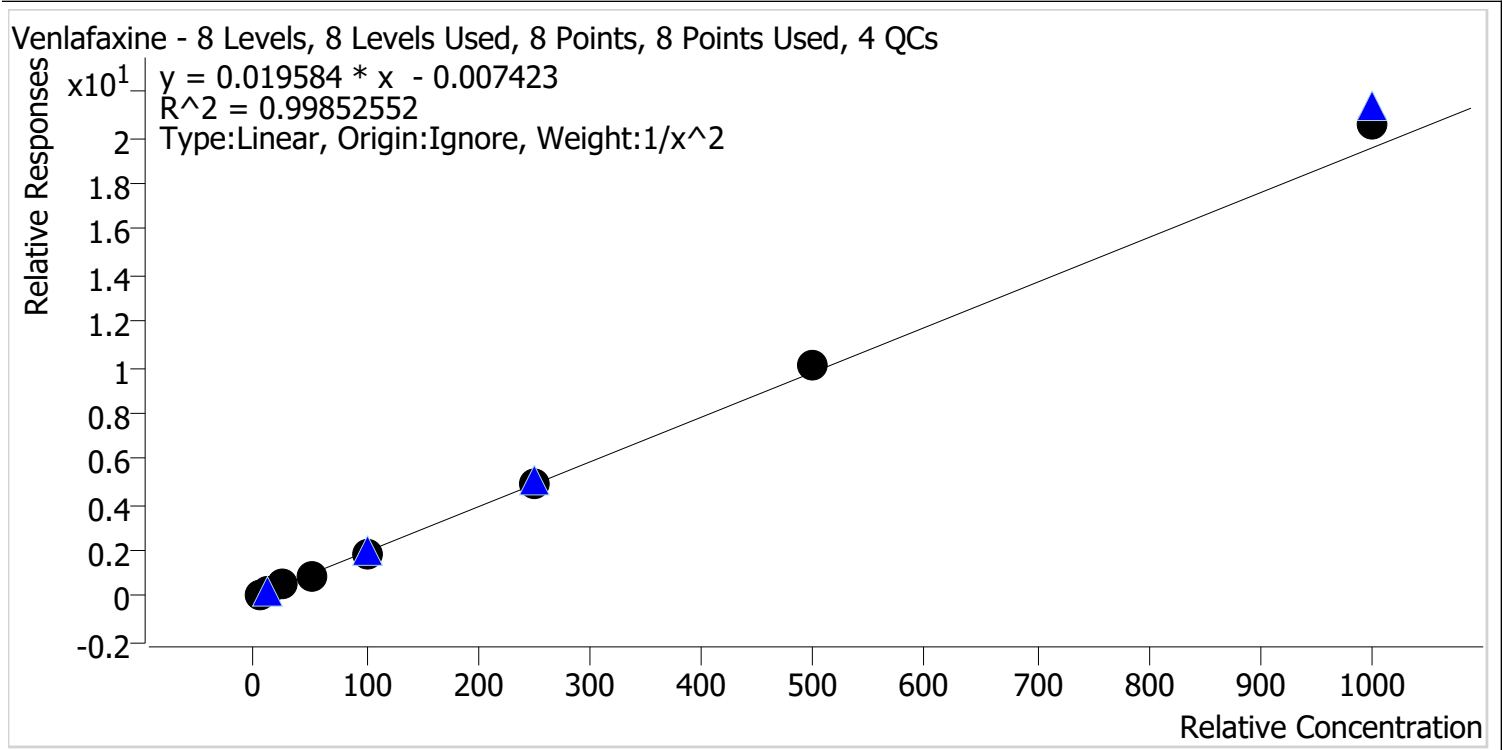


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	475.7	95.1
p1 Cal 8-1000ng	8	✓	1000.0	850.3	85.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

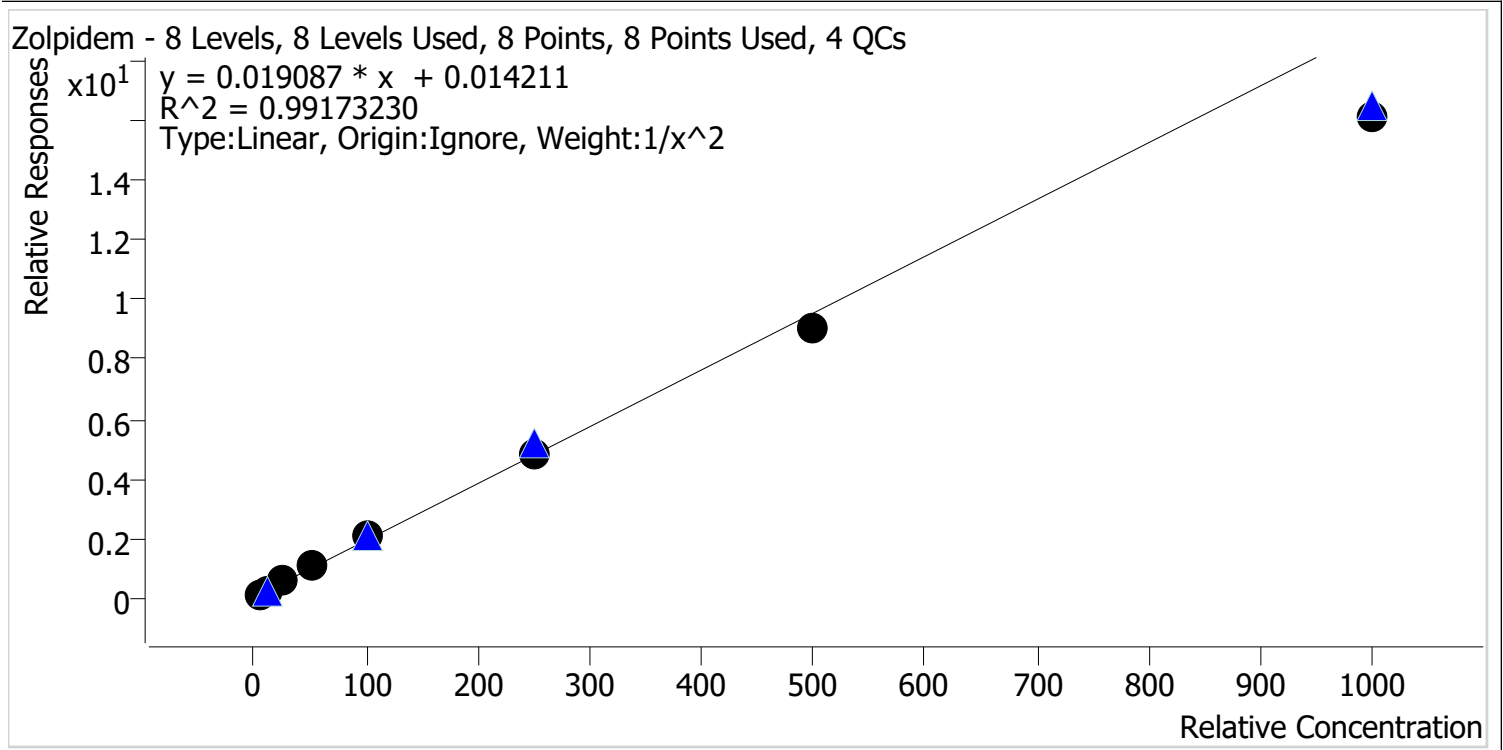


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	514.9	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1052.3	105.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Last Cal. Update 9/16/2022 8:39 AM
Analyst Name ISP\cshrum
Analyte Zolpidem **Internal Standard** Zolpidem-D6



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	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	474.9	95.0
p1 Cal 8-1000ng	8	✓	1000.0	842.5	84.2

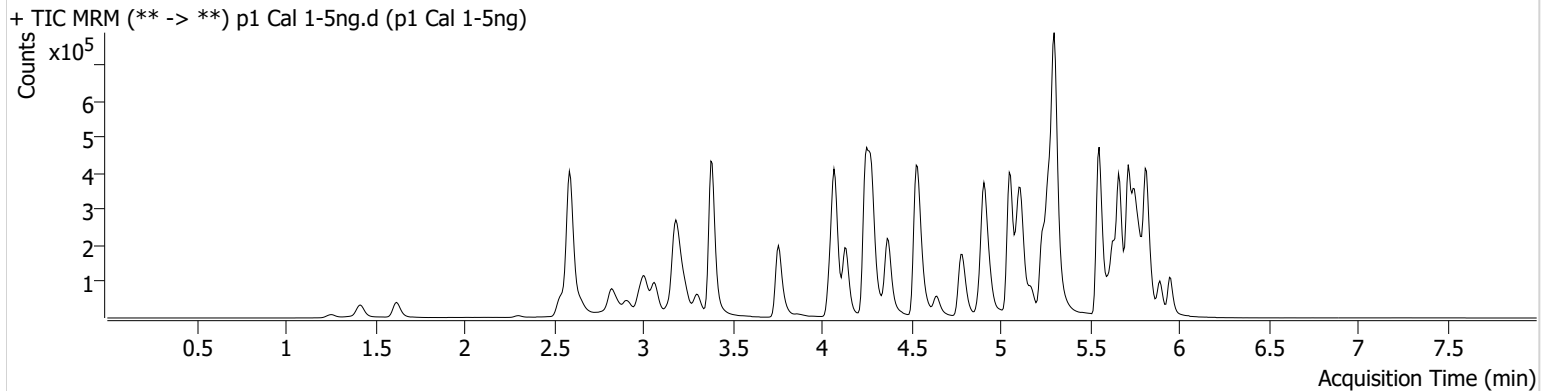
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-H12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:06:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.154	867	456.59	69.8	802.07	46845	0.5070 ng/ml
7-aminoclonazepam	4.270	18045	341.49	72.5	43.63	130994	4.9186 ng/ml
a-hydroxyalprazolam	5.699	10770	77.81	66.9	2917.11	661314	4.7510 ng/ml
alpha-PHP	4.943	17936	508.47	260.0	1655.87	469451	4.7987 ng/ml
alpha-PVP	4.381	63595	891.76	49.9	892.46	469451	5.0603 ng/ml
Alprazolam	5.776	32998	1007.61	110.0	508.25	225965	5.1014 ng/ml
Amphetamine	3.065	113931	196.35	42.7	315.20	217602	4.6886 ng/ml
Benzoylecgonine	3.890	1827	22.83	7.1	131.14	9783	5.1686 ng/ml
Buprenorphine	5.853	1984	41.83	16.8	272.11	125001	0.5221 ng/ml
Bupropion	4.800	63297	4839.56	69.2	1622.56	426148	4.9477 ng/ml
Carisoprodol	5.724	36046	2212.25	64.7	312.50	317260	5.1204 ng/ml
Citalopram	5.239	55963	232.92	32.3	84317.95	493124	5.0582 ng/ml
Clonazepam	5.612	35392	188.41	34.2	135.43	93243	4.7871 ng/ml
Clonazepam	5.556	24305	47875.62	34.0	10288.01	93243	4.8399 ng/ml
Cocaine	4.276	42217	63956.23	56.9	165.54	680612	4.9712 ng/ml
Codeine	2.594	5423	8230.33	105.5	10699.75	52398	4.8489 ng/ml
Cyclobenzaprine	5.635	40402	521.17	8.3	89.14	345066	5.1682 ng/ml
Dextromethorphan	5.281	28863	2558.08	83.1	78914.45	239828	4.9899 ng/ml
Dextrophan	4.137	17597	177.81	198.8	4242.44	370243	5.1038 ng/ml
Diazepam	5.954	20087	267.90	91.0	1647.13	183106	4.9736 ng/ml
Dihydrocodeine	2.573	13329	17943.51	64.3	170.85	155036	4.8984 ng/ml
Diphenhydramine	5.302	133937	196.96	31.0	129.26	1534915	5.0666 ng/ml
Doxylamine	4.548	126647	1215.98	97.8	3198.65	1088455	5.0056 ng/ml
EDDP	5.267	52564	1843.17	42.1	245.02	553170	5.0616 ng/ml
Etizolam	5.814	15670	10448.39	28.4	11170.98	93243	5.1638 ng/ml
Fentanyl	5.116	4817	248.82	67.3	4910.74	513838	0.5098 ng/ml
Flualprazolam	5.706	12378	1538.57	97.9	335.66	225965	4.8910 ng/ml
Fluoxetine	5.721	51196	137819.63	8.6	64.63	386746	5.1239 ng/ml
Hydrocodone	3.041	21866	252.86	34.3	32.83	233711	4.7969 ng/ml
Hydromorphone	1.628	17997	61978.56	77.9	953.59	111449	5.0458 ng/ml
Ketamine	4.063	45484	964.54	33.2	212.53	355665	4.9303 ng/ml
Lamotrigine	4.299	3804	601.68	91.5	4537.08	1038621	4.9061 ng/ml
Lorazepam	5.747	31655	824.04	52.6	139.60	426781	4.7122 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.219	63684	971.98	34.6	87.94	287364	4.7730 ng/ml
MDMA	3.312	39905	1984.48	92.9	1101.85	80955	5.0087 ng/ml
Meprobamate	4.910	18141	5990.58	28.4	24.07	193904	4.8948 ng/ml
Methadone	5.666	79093	437.70	60.3	601.16	658316	5.1579 ng/ml
Methamphetamine	3.240	79395	282.28	39.1	182.17	598554	4.6494 ng/ml
Metoprolol	4.338	13125	498.53	97.6	138.50	1038621	5.0489 ng/ml
Mirtazapine	4.643	87407	1181.16	52.4	1343.93	469451	5.0944 ng/ml
Mitragynine	5.243	19406	23484.27	34.6	21408.30	658316	4.9158 ng/ml
Morphine	1.267	2863	118.18	28.9	129.41	8576	4.9203 ng/ml
Norbuprenorphine	5.012	346	10.01	85.3	615.13	17764	0.5184 ng/ml
Nordiazepam	5.900	22383	46117.16	55.4	477.28	146559	4.9634 ng/ml
Norfentanyl	4.097	10576	246.37	35.5	22.30	852263	0.5236 ng/ml
Norhydrocodone	3.082	3475	71.34	40.6	125.25	62570	5.4353 ng/ml
Noroxycodone	2.932	20414	14.32	49.3	145.65	115873	5.0388 ng/ml
O-desmethyl-tramadol	3.386	101353	1081.81	5.9	1841.35	1019597	5.0900 ng/ml
Oxazepam	5.756	39056	833.11	68.5	121.07	426781	4.9554 ng/ml
Oxycodone	2.850	37571	432.38	30.9	471.63	260603	3.7972 ng/ml
Oxymorphone	1.425	17530	962.10	48.8	680.07	106292	4.9004 ng/ml
Phentermine	3.794	22187	253.46	6.3	26.28	549119	4.8793 ng/ml
Promethazine	5.552	88961	1611.56	30.9	144.84	785665	5.0842 ng/ml
Pseudoephedrine	2.604	102796	3418.00	17.5	3171.17	1038621	5.1168 ng/ml
Quetiapine	5.569	66155	796.85	58.0	97883.42	174764	4.8503 ng/ml
Sertraline	5.790	16024	266.53	97.0	190.73	137377	5.0755 ng/ml
Temazepam	5.817	68248	246.66	27.1	91.56	661314	5.0387 ng/ml
Tramadol	4.257	109207	248.82	3.8	10.88	971573	4.8855 ng/ml
Trazodone	5.168	65106	3937.56	81.4	349.57	518444	4.8439 ng/ml
Venlafaxine	5.056	87548	331660.09	32.1	150.46	946713	5.1009 ng/ml
Zolpidem	4.934	90114	179.05	30.9	175.41	842681	4.8580 ng/ml

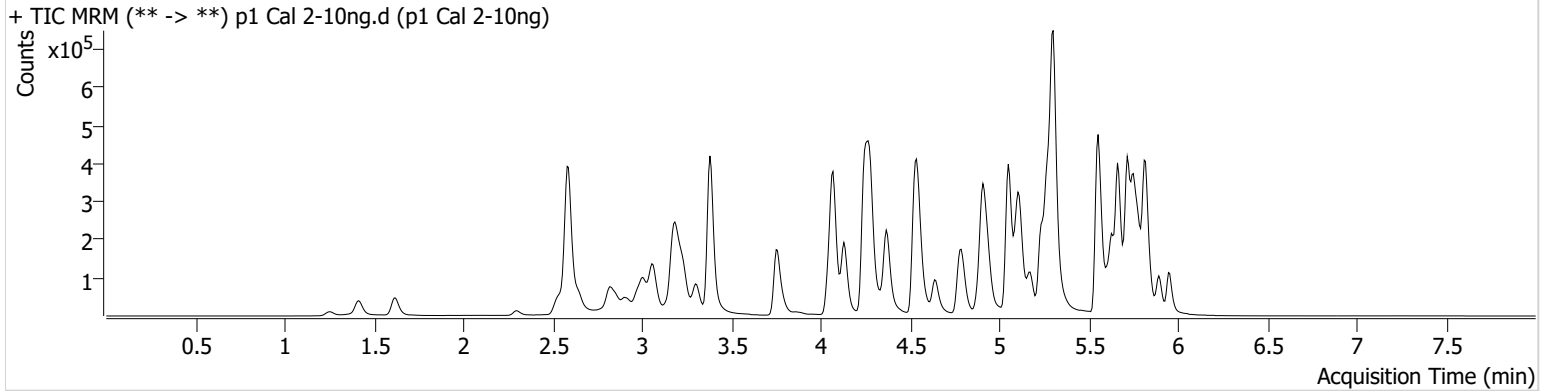
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-G12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:17:06 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	1504	692.12	81.6	1468.48	41546	0.9473 ng/ml
7-aminoclonazepam	4.270	32697	2427.67	63.4	4218.47	124723	10.0200 ng/ml
a-hydroxyalprazolam	5.699	19344	938.54	63.0	134.51	591406	10.5856 ng/ml
alpha-PPH	4.943	30833	2862.61	258.2	8855.99	410244	10.3085 ng/ml
alpha-PVP	4.375	109057	26251.51	50.3	233.67	410244	9.8718 ng/ml
Alprazolam	5.776	57162	667.58	109.5	899.64	203440	9.6884 ng/ml
Amphetamine	3.065	201846	258.03	42.3	480.29	191491	10.8887 ng/ml
Benzoylecgonine	3.890	2851	71.79	7.7	454.46	8939	9.5691 ng/ml
Buprenorphine	5.853	3019	326.86	15.4	28.39	108534	0.9360 ng/ml
Bupropion	4.800	109474	3862.90	68.3	1844.02	369597	10.1068 ng/ml
Carisoprodol	5.724	61207	2519.67	60.6	101.16	277944	9.7423 ng/ml
Citalopram	5.232	92619	306.60	33.5	630.90	419002	9.8222 ng/ml
Clonazepam	5.612	61546	146011.64	34.8	2029.87	82468	10.3553 ng/ml
Clonazepam	5.556	40883	3223.25	35.1	23018.86	82468	10.2920 ng/ml
Cocaine	4.276	73555	2971.25	56.5	231.40	585123	10.1265 ng/ml
Codeine	2.594	9366	57.75	99.9	26544.49	46412	10.2083 ng/ml
Cyclobenzaprine	5.635	69591	207.64	8.2	40.86	297050	9.6889 ng/ml
Dextromethorphan	5.281	49327	43539.69	84.1	2157.54	205493	9.9940 ng/ml
Dextrophan	4.137	30358	64912.48	198.9	510.27	328522	9.6834 ng/ml
Diazepam	5.954	35001	1038.99	87.8	170.52	161677	10.0235 ng/ml
Dihydrocodeine	2.566	22651	3708.05	66.4	507.39	137734	10.0445 ng/ml
Diphenhydramine	5.302	228867	785.71	32.2	533.41	1339842	9.8427 ng/ml
Doxylamine	4.548	216058	16982.93	99.6	4021.50	941318	9.9638 ng/ml
EDDP	5.267	91555	6416.56	41.4	4725.85	487868	9.9185 ng/ml
Etizolam	5.814	27862	31891.07	26.7	13955.01	82468	9.6674 ng/ml
Fentanyl	5.109	8148	275.78	68.3	640.69	451953	0.9706 ng/ml
Flualprazolam	5.706	21615	670.45	98.9	1076.72	203440	9.9289 ng/ml
Fluoxetine	5.721	84797	4531.87	7.7	12860.89	322396	9.7405 ng/ml
Hydrocodone	3.034	37235	200.76	35.4	80.02	208349	10.2997 ng/ml
Hydromorphone	1.621	31399	2336.57	77.9	422.54	100102	9.8087 ng/ml
Ketamine	4.063	75544	845.71	33.9	204.94	312322	9.9690 ng/ml
Lamotrigine	4.299	6339	173.81	89.0	1567.52	914021	9.9795 ng/ml
Lorazepam	5.747	56836	670.88	52.3	152.94	380750	10.6944 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.212	111518	2761.62	32.7	208.58	259261	10.3680 ng/ml
MDMA	3.306	70530	4206.23	92.8	404.18	72814	9.8886 ng/ml
Meprobamate	4.910	31060	162.23	30.5	358.23	176031	10.1008 ng/ml
Methadone	5.666	132696	7581.43	61.9	1332.83	573801	9.6269 ng/ml
Methamphetamine	3.233	142726	273.15	38.2	212.12	526563	11.0775 ng/ml
Metoprolol	4.338	22662	2073.00	94.4	297.08	914021	9.9013 ng/ml
Mirtazapine	4.636	148047	7734.52	53.9	5795.86	410244	9.8048 ng/ml
Mitragynine	5.243	32198	70229.76	36.2	216.55	573801	10.0261 ng/ml
Morphine	1.261	5153	1804.63	28.7	44.04	7651	10.1478 ng/ml
Norbuprenorphine	5.005	439	65.58	99.2	2505.67	15737	0.8876 ng/ml
Nordiazepam	5.900	38098	284.75	56.6	539.12	129318	9.9103 ng/ml
Norfentanyl	4.090	17803	415.64	36.8	88.51	758978	0.9433 ng/ml
Norhydrocodone	3.082	5397	488.39	39.4	141.09	55296	8.7680 ng/ml
Noroxycodone	2.925	35192	84.22	47.5	561.63	102723	9.9065 ng/ml
O-desmethyl-tramadol	3.386	173612	955.08	5.8	2106.60	888350	9.8303 ng/ml
Oxazepam	5.756	67083	1645.33	72.0	395.90	380750	10.0530 ng/ml
Oxycodone	2.850	64893	548.14	30.3	720.17	231551	9.5328 ng/ml
Oxymorphone	1.418	30991	456.48	47.0	170.18	92413	10.3009 ng/ml
Phentermine	3.787	38438	153.42	6.6	75.21	479339	10.2280 ng/ml
Promethazine	5.552	157356	878.31	30.9	1519.89	681679	9.9360 ng/ml
Pseudoephedrine	2.597	180353	198.92	17.5	4454.48	914021	9.8068 ng/ml
Quetiapine	5.569	115326	123.52	56.2	124.82	149873	10.4358 ng/ml
Sertraline	5.790	24603	324.46	96.3	30841.19	107386	9.8061 ng/ml
Temazepam	5.817	119530	588.68	27.5	119.53	591406	9.9041 ng/ml
Tramadol	4.257	189210	479.42	3.6	131.85	838183	10.2949 ng/ml
Trazodone	5.168	109390	9337.72	80.7	3829.23	445778	10.2163 ng/ml
Venlafaxine	5.050	152338	972.18	33.3	325.71	826325	9.7924 ng/ml
Zolpidem	4.927	152213	579.14	31.2	439.43	735917	10.0917 ng/ml

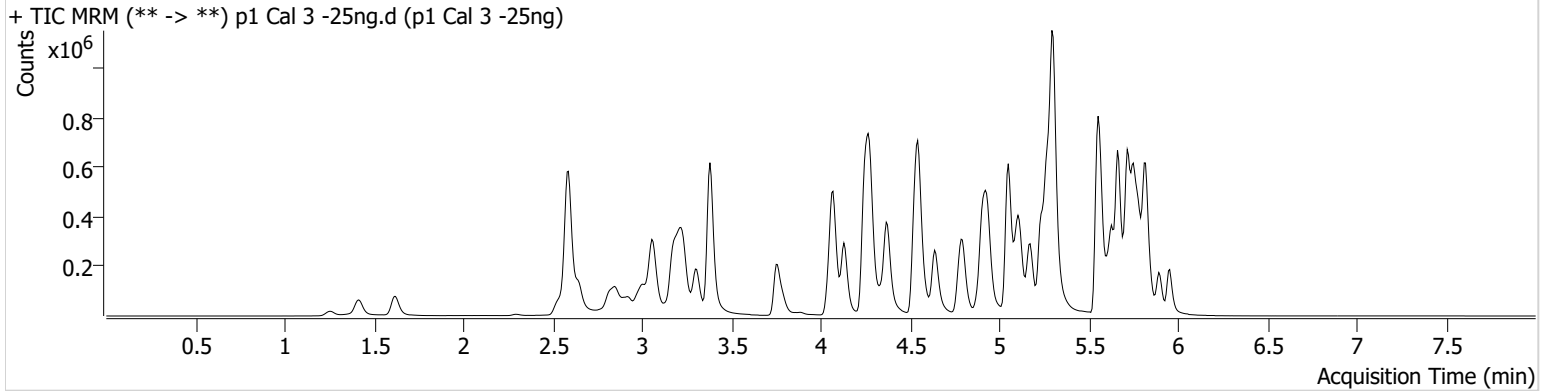
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-F12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:27:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	5041	20122.78	63.1	524.56	46956	2.7180 ng/ml
7-aminoclonazepam	4.270	93127	3464.35	70.7	5250.12	141971	26.1696 ng/ml
a-hydroxyalprazolam	5.692	51339	1306.44	67.2	388.51	661170	26.5527 ng/ml
alpha-PHP	4.943	90990	3953.51	255.6	10340.41	489738	26.8051 ng/ml
alpha-PVP	4.375	325840	1115.65	50.0	6140.72	489738	24.6161 ng/ml
Alprazolam	5.776	159427	378.27	112.3	1120.84	223577	24.3757 ng/ml
Amphetamine	3.058	533489	480.23	43.5	518.90	222286	26.6191 ng/ml
Benzoylcegonine	3.890	7490	306.20	8.6	37.32	10221	23.3462 ng/ml
Buprenorphine	5.853	8977	3660.62	17.0	1922.37	129052	2.3828 ng/ml
Bupropion	4.794	321785	422.70	71.0	5973.02	443852	25.0875 ng/ml
Carisoprodol	5.724	168106	309.96	62.1	1478.97	301844	24.3421 ng/ml
Citalopram	5.232	276005	6228.41	34.4	318.15	497007	24.6284 ng/ml
Clonazepam	5.612	173462	1544.05	34.2	9837.79	93881	27.0780 ng/ml
Clonazepam	5.549	114047	239946.94	34.9	80578.56	93881	26.9690 ng/ml
Cocaine	4.276	209684	464.33	58.5	462.68	681183	24.8695 ng/ml
Codeine	2.587	26529	1048.64	106.5	36764.35	53220	26.3815 ng/ml
Cyclobenzaprine	5.635	211995	175441.21	8.6	1520.38	356656	23.5810 ng/ml
Dextromethorphan	5.275	149351	5049.52	82.8	11446.38	244744	25.4702 ng/ml
Dextrophan	4.130	90627	98289.64	197.1	48284.23	378844	24.6641 ng/ml
Diazepam	5.954	101590	472.15	88.7	3057.50	189860	25.0887 ng/ml
Dihydrocodeine	2.566	66718	392.19	67.7	523.56	161796	26.3001 ng/ml
Diphenhydramine	5.302	680106	4902.33	30.6	124.20	1580433	24.6767 ng/ml
Doxylamine	4.548	643768	282.80	98.3	38918.03	1127954	24.9125 ng/ml
EDDP	5.267	270667	388.25	42.7	152.79	588327	24.1998 ng/ml
Etizolam	5.814	81596	20763.43	27.4	383.66	93881	23.7600 ng/ml
Fentanyl	5.109	24968	12255.69	65.5	∞	542063	2.4632 ng/ml
Flualprazolam	5.706	62648	2469.42	98.9	6712.86	223577	26.9566 ng/ml
Fluoxetine	5.721	261465	∞	7.7	61695.03	386739	24.3368 ng/ml
Hydrocodone	3.034	106387	260.11	36.5	76.81	242709	27.0767 ng/ml
Hydromorphone	1.621	89771	1298.47	76.9	1671.08	112174	25.0377 ng/ml
Ketamine	4.063	222232	26327.15	33.8	97.77	365217	26.1743 ng/ml
Lamotrigine	4.292	18364	491.79	93.2	705.50	1064008	25.9829 ng/ml
Lorazepam	5.747	149663	1357.38	53.2	570.24	421969	27.0555 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.212	308543	78.88	33.7	337.88	293254	27.0574 ng/ml
MDMA	3.306	209502	5202.00	92.1	3133.31	84316	25.4409 ng/ml
Meprobamate	4.910	86524	192.47	30.2	445.88	198850	26.3481 ng/ml
Methadone	5.666	401429	756.76	60.3	796.52	683788	23.9378 ng/ml
Methamphetamine	3.233	377238	580.05	38.9	247.98	629597	26.3166 ng/ml
Metoprolol	4.338	65471	271071.37	95.5	1926.29	1064008	24.5663 ng/ml
Mirtazapine	4.636	440988	182720.54	52.7	2793.45	489738	24.3548 ng/ml
Mitragynine	5.243	96720	1796.98	36.5	534.81	683788	26.3974 ng/ml
Morphine	1.261	13960	244.32	28.6	390.62	8367	25.4612 ng/ml
Norbuprenorphine	5.005	1314	4320.52	75.4	1974.52	18527	2.7706 ng/ml
Nordiazepam	5.900	112630	2180.59	55.0	10317.49	150604	25.7134 ng/ml
Norfentanyl	4.090	53115	217.69	35.0	1193.77	879564	2.3466 ng/ml
Norhydrocodone	3.082	15579	106.77	37.7	61.22	57032	22.6753 ng/ml
Noroxycodone	2.925	97680	3422.43	47.7	985.36	114685	24.7982 ng/ml
O-desmethyl-tramadol	3.386	507948	10721.63	6.0	224.82	1046839	24.1355 ng/ml
Oxazepam	5.756	181678	2737.16	73.6	1787.15	421969	25.3666 ng/ml
Oxycodone	2.850	188258	751.53	30.8	828.55	272062	26.8854 ng/ml
Oxymorphone	1.418	89227	937.56	47.1	1045.28	110159	25.3405 ng/ml
Phentermine	3.787	113542	2579.58	6.2	∞	569991	26.2280 ng/ml
Promethazine	5.552	468754	1161.66	31.3	∞	829578	23.7241 ng/ml
Pseudoephedrine	2.597	524136	827.43	17.3	13314.81	1064008	23.8890 ng/ml
Quetiapine	5.569	329562	571.06	59.0	165.96	180006	25.5993 ng/ml
Sertraline	5.790	77268	3411.91	97.1	859.88	134500	24.3327 ng/ml
Temazepam	5.817	330299	6679.93	27.8	1657.26	661170	24.5358 ng/ml
Tramadol	4.257	545839	5076.37	3.4	120.77	992145	25.7792 ng/ml
Trazodone	5.168	327269	20070.74	80.5	22859.88	537344	26.5226 ng/ml
Venlafaxine	5.050	459108	138374.60	32.0	314.73	975747	24.4041 ng/ml
Zolpidem	4.927	452050	65662.19	30.6	2399.08	860863	26.7665 ng/ml

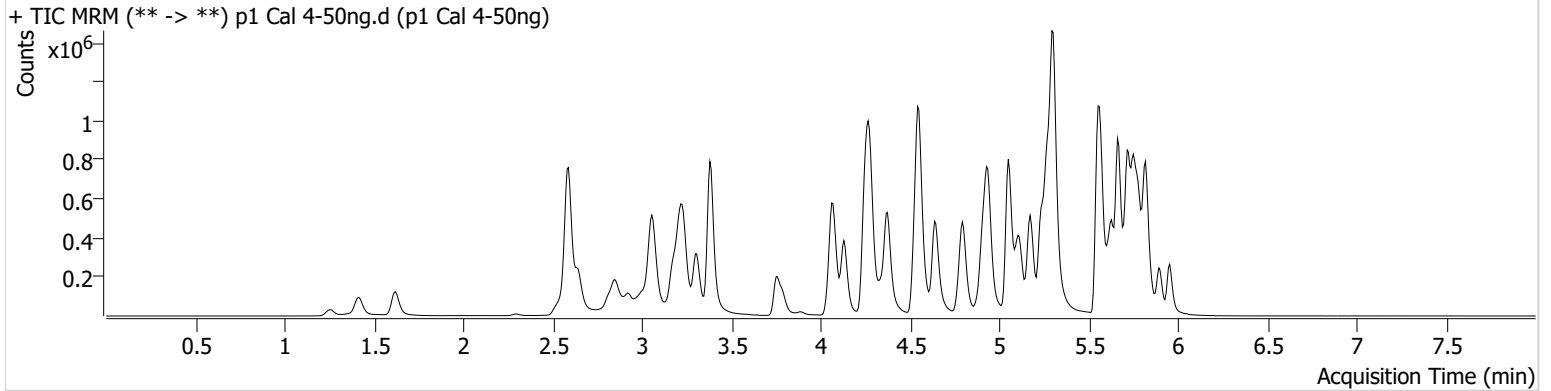
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-E12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:38:17 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	8773	1247.99	75.9	5114.50	46461	4.7452 ng/ml
7-aminoclonazepam	4.270	171397	8772.61	71.8	7423.04	132407	52.3541 ng/ml
a-hydroxyalprazolam	5.692	90478	5642.07	68.5	941.17	591180	53.3408 ng/ml
alpha-PHP	4.943	171174	15707.47	259.7	42055.22	461479	54.4092 ng/ml
alpha-PVP	4.375	611058	759.94	50.8	808.23	461479	48.9301 ng/ml
Alprazolam	5.776	303897	1478.74	109.0	1708.82	209837	49.3651 ng/ml
Amphetamine	3.058	1016080	854.96	41.6	524.23	213773	54.1199 ng/ml
Benzoylcegonine	3.890	15078	7266.11	8.0	1551.45	9729	50.5466 ng/ml
Buprenorphine	5.860	17396	3141.47	16.2	3945.39	123648	4.8477 ng/ml
Bupropion	4.794	616500	58482.34	70.0	608.58	415054	51.6527 ng/ml
Carisoprodol	5.724	294554	165520.50	62.7	7852.83	267140	48.0029 ng/ml
Citalopram	5.232	516540	349.31	33.8	14271.73	454593	50.3590 ng/ml
Clonazepam	5.612	312613	1647.75	35.1	1055.20	87798	53.0855 ng/ml
Clonazepam	5.556	201160	185664.93	36.3	100687.70	87798	51.9327 ng/ml
Cocaine	4.276	399892	17277.73	56.6	1476.33	642037	50.3724 ng/ml
Codeine	2.587	50264	14572.56	100.4	361.33	49525	54.5346 ng/ml
Cyclobenzaprine	5.635	381535	34803.08	8.3	19902.98	316640	47.1337 ng/ml
Dextromethorphan	5.281	267484	1279.84	83.6	246.92	226269	49.3802 ng/ml
Dextrophan	4.130	171403	5007.35	200.2	2199.17	356474	49.3177 ng/ml
Diazepam	5.954	192353	3583.42	88.3	245.92	176352	51.3641 ng/ml
Dihydrocodeine	2.559	128192	322.71	68.7	9347.85	154582	53.6389 ng/ml
Diphenhydramine	5.302	1256353	12349.70	31.1	628.17	1477344	48.6891 ng/ml
Doxylamine	4.548	1222165	58536.20	98.4	3198.03	1061234	50.3624 ng/ml
EDDP	5.267	508219	677.89	42.0	1125.61	538643	49.5463 ng/ml
Etizolam	5.814	152600	3758.09	27.0	14385.89	87798	46.8082 ng/ml
Fentanyl	5.109	46267	2845.24	64.6	1177.88	503855	4.8999 ng/ml
Flualprazolam	5.706	115320	380.68	100.9	24882.09	209837	53.3227 ng/ml
Fluoxetine	5.721	420014	395.51	8.0	72184.81	318629	47.0275 ng/ml
Hydrocodone	3.034	194035	167.46	37.8	588.21	226552	54.0977 ng/ml
Hydromorphone	1.621	174749	1572.56	77.9	3317705.34	109541	49.9179 ng/ml
Ketamine	4.063	417026	2364.33	34.5	1160.26	347830	52.2735 ng/ml
Lamotrigine	4.292	35156	2836.58	88.1	91076.89	990376	54.2542 ng/ml
Lorazepam	5.747	255512	1753.47	53.2	312.78	368621	54.0163 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.212	572928	6381.14	32.1	728.49	271283	55.4932 ng/ml
MDMA	3.306	387056	2264.00	93.6	2245.78	78621	50.4535 ng/ml
Meprobamate	4.910	158105	8819.12	28.9	725.81	183142	53.2402 ng/ml
Methadone	5.666	755519	584.86	60.3	9218.13	638482	47.9189 ng/ml
Methamphetamine	3.233	710042	1692.54	38.5	588.47	606529	52.8583 ng/ml
Metoprolol	4.338	121092	192187.94	97.5	3268.10	990376	48.8098 ng/ml
Mirtazapine	4.636	823125	1880.71	54.0	1214.41	461479	48.1708 ng/ml
Mitragynine	5.243	174538	565692.96	36.9	4501.21	638482	51.7061 ng/ml
Morphine	1.261	28051	4635.59	28.2	4860.17	8339	51.5553 ng/ml
Norbuprenorphine	5.005	2022	27.63	92.8	3631.80	17133	4.8328 ng/ml
Nordiazepam	5.900	212563	601.07	54.1	4509.17	140315	52.4575 ng/ml
Norfentanyl	4.090	102027	599.14	34.4	40.12	831749	4.7129 ng/ml
Norhydrocodone	3.082	29122	145.78	37.4	108.29	50879	46.3790 ng/ml
Noroxycodone	2.925	181744	560.44	48.2	3514.74	106539	49.7822 ng/ml
O-desmethyl-tramadol	3.386	979611	6912.03	5.9	289.04	995147	48.7766 ng/ml
Oxazepam	5.756	318585	375.73	75.0	4248.85	368621	51.4778 ng/ml
Oxycodone	2.843	358360	2092.29	30.0	1785.43	261859	55.4003 ng/ml
Oxymorphone	1.418	164909	910.66	47.0	∞	100049	51.9037 ng/ml
Phentermine	3.787	210812	641.34	6.3	267.85	537587	52.1678 ng/ml
Promethazine	5.552	855393	518.91	31.5	967.78	733439	48.5277 ng/ml
Pseudoephedrine	2.590	988096	22064.28	17.4	38752.99	990376	47.9767 ng/ml
Quetiapine	5.569	609114	85931.54	58.8	63230.79	167534	51.3861 ng/ml
Sertraline	5.790	125234	1104.35	93.2	398.70	105418	50.1368 ng/ml
Temazepam	5.817	599984	18627.57	27.8	250.94	591180	49.8844 ng/ml
Tramadol	4.257	1021403	36252.93	3.4	130.28	953646	50.6408 ng/ml
Trazodone	5.168	613290	1112.66	81.5	54689.61	511704	52.9545 ng/ml
Venlafaxine	5.050	868558	713.20	31.9	23844.51	940819	47.5181 ng/ml
Zolpidem	4.927	847601	2572.74	30.7	14730.42	819102	53.4690 ng/ml

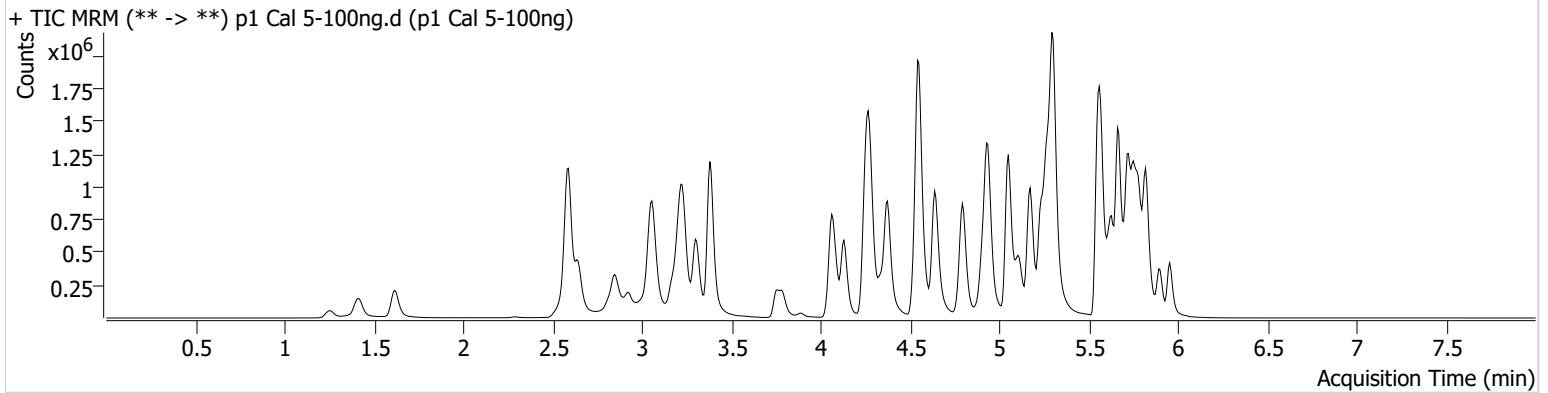
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-D12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:48:53 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	18522	1578.01	69.9	50666.06	46287	10.0037 ng/ml
7-aminoclonazepam	4.270	318882	17383.45	71.7	∞	123292	105.3341 ng/ml
a-hydroxyalprazolam	5.692	156585	1102.66	69.4	659.41	522947	105.3492 ng/ml
alpha-PPH	4.943	327372	22569.68	259.2	26533.11	458766	105.5030 ng/ml
alpha-PVP	4.375	1225716	3965.88	50.6	1265.06	458766	98.6672 ng/ml
Alprazolam	5.776	577144	608.91	106.8	18638.95	193750	101.3901 ng/ml
Amphetamine	3.058	1838209	23458.42	43.0	2156.52	210993	100.3908 ng/ml
Benzoylecgonine	3.890	30548	1097.87	7.9	958.85	10271	97.9690 ng/ml
Buprenorphine	5.860	34041	30336.99	15.5	7406.03	120563	9.7574 ng/ml
Bupropion	4.794	1247641	101650.09	69.3	14337.02	424210	102.5127 ng/ml
Carisoprodol	5.724	520250	1202162.25	62.4	3195.75	236395	95.6177 ng/ml
Citalopram	5.232	998277	1093.59	34.3	11040.30	449534	98.3901 ng/ml
Clonazepam	5.612	573223	22953.80	34.2	101967.85	81228	106.1717 ng/ml
Clonazepam	5.549	355608	374086.78	36.5	130933.37	81228	100.3297 ng/ml
Cocaine	4.276	779653	2212.42	57.7	2076.50	635741	99.2304 ng/ml
Codeine	2.587	92897	108.93	102.8	3156.78	48677	103.2447 ng/ml
Cyclobenzaprine	5.635	746817	55969.43	8.2	9358.95	304517	95.2575 ng/ml
Dextromethorphan	5.275	515354	845.45	82.8	345.65	216652	99.4044 ng/ml
Dextrophan	4.130	337444	982.62	199.9	2816.03	353846	97.5640 ng/ml
Diazepam	5.954	368173	1471.42	87.7	792.73	170979	101.6114 ng/ml
Dihydrocodeine	2.559	255814	244.93	68.2	8298.63	160136	104.0119 ng/ml
Diphenhydramine	5.302	2465748	17153.46	30.9	269.25	1424293	99.0362 ng/ml
Doxylamine	4.548	2513477	3624.43	98.1	2920.55	1098017	100.1954 ng/ml
EDDP	5.267	956185	474.09	42.4	10242.74	514975	97.4257 ng/ml
Etizolam	5.814	293320	6008.42	26.3	85827.59	81228	96.4886 ng/ml
Fentanyl	5.109	93084	519.04	65.3	2896.90	496807	9.9869 ng/ml
Flualprazolam	5.706	214366	4697.02	100.3	3031.96	193750	107.8272 ng/ml
Fluoxetine	5.721	780463	32219.98	7.7	43330.83	284758	97.2984 ng/ml
Hydrocodone	3.027	381523	161.23	37.3	968.50	232925	104.5995 ng/ml
Hydromorphone	1.621	343155	3166.49	78.6	4078.40	106787	100.5602 ng/ml
Ketamine	4.063	833830	696.90	34.3	8396.03	351918	104.0102 ng/ml
Lamotrigine	4.292	67728	579.67	86.8	130067.33	962736	108.2782 ng/ml
Lorazepam	5.747	409732	13559.38	52.1	1042.94	316851	101.8068 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1032903	2041.49	31.6	1112.23	260802	105.0938 ng/ml
MDMA	3.306	759594	4371.62	94.8	3307.35	78535	99.1696 ng/ml
Meprobamate	4.903	289840	216865.16	29.0	3824.16	175153	102.9523 ng/ml
Methadone	5.666	1498254	563.31	58.0	769.29	618295	97.7883 ng/ml
Methamphetamine	3.233	1409768	9023.76	38.5	10113.65	616383	104.7121 ng/ml
Metoprolol	4.338	242161	2658.84	97.1	10360.88	962736	100.4080 ng/ml
Mirtazapine	4.636	1663452	20672.54	53.6	8470.91	458766	97.8478 ng/ml
Mitragynine	5.243	334027	174195.75	36.5	1628.72	618295	102.9068 ng/ml
Morphine	1.253	56129	1181.94	28.1	132.19	8189	105.2724 ng/ml
Norbuprenorphine	5.005	4226	150.00	92.4	2779.55	17299	10.3630 ng/ml
Nordiazepam	5.900	387919	757.55	54.8	1857.37	131016	102.8725 ng/ml
Norfentanyl	4.090	203463	6096.87	35.5	604.11	824884	9.4241 ng/ml
Norhydrocodone	3.082	53565	240.26	39.8	151.20	45922	93.4395 ng/ml
Noroxycodone	2.925	337781	1139.69	49.4	3169.61	101371	97.3490 ng/ml
O-desmethyl-tramadol	3.379	1983704	41469.81	6.0	1471.04	996708	98.4304 ng/ml
Oxazepam	5.756	537366	173.21	73.3	4464.53	316851	101.5492 ng/ml
Oxycodone	2.843	711368	7106.96	30.1	442.91	262544	111.9193 ng/ml
Oxymorphone	1.411	314701	∞	49.7	∞	101942	97.4949 ng/ml
Phentermine	3.787	410942	2277.93	5.9	169.54	542349	101.3146 ng/ml
Promethazine	5.552	1688874	29559.66	30.9	1104.29	719972	97.1868 ng/ml
Pseudoephedrine	2.590	1946446	28027.67	17.2	2171.35	962736	96.8151 ng/ml
Quetiapine	5.569	1189810	70027.51	58.9	78576.91	165500	102.1535 ng/ml
Sertraline	5.790	246626	31163.92	93.6	287.87	104943	99.0167 ng/ml
Temazepam	5.817	1081536	690.98	27.6	317.60	522947	101.6941 ng/ml
Tramadol	4.257	2035936	1221.97	3.4	616.03	957710	100.9847 ng/ml
Trazodone	5.168	1229859	1372.44	81.0	780.55	516551	105.9722 ng/ml
Venlafaxine	5.050	1766651	1365.26	32.1	1334.56	919747	98.4568 ng/ml
Zolpidem	4.927	1687229	309105.18	29.9	564.28	815582	107.6383 ng/ml

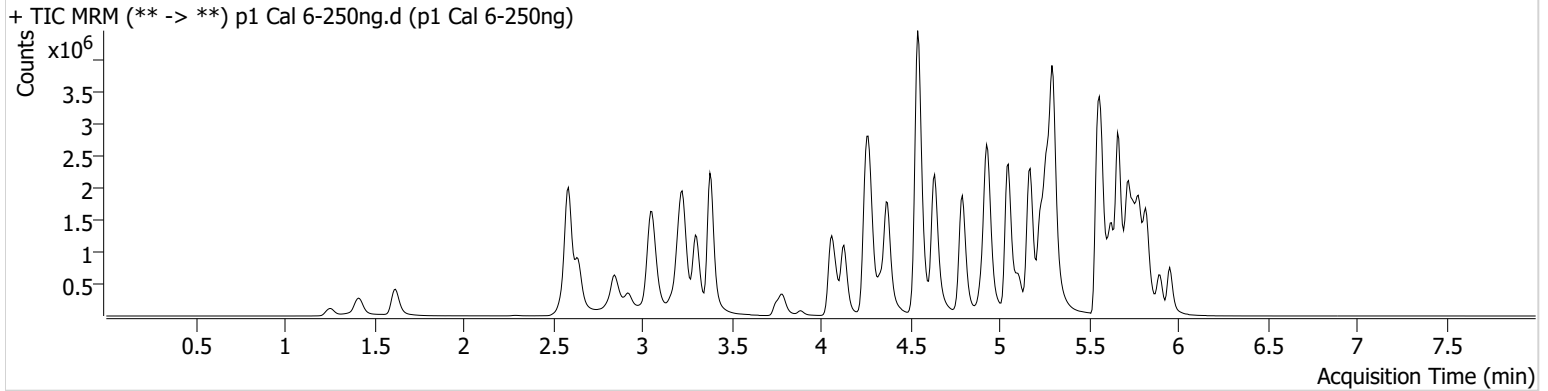
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-C12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 2:59:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	43896	557.59	69.5	896.30	43712	25.0341 ng/ml
7-aminoclonazepam	4.270	575767	220.05	71.5	752.95	95375	246.8354 ng/ml
a-hydroxyalprazolam	5.692	261778	1175.68	67.4	760.45	366318	252.8644 ng/ml
alpha-PHP	4.943	706996	11589.49	257.6	74635.64	415879	252.5832 ng/ml
alpha-PVP	4.375	2797880	88244.51	50.8	2062.30	415879	248.3565 ng/ml
Alprazolam	5.776	1202985	2970.37	104.7	901.61	157319	260.0594 ng/ml
Amphetamine	3.058	3548118	2007.13	43.5	2281.94	200315	205.5819 ng/ml
Benzoylecgonine	3.884	76535	898.68	8.1	1327.36	9956	254.8868 ng/ml
Buprenorphine	5.860	85114	12450.06	15.8	18402.48	115974	25.4068 ng/ml
Bupropion	4.794	2951776	128635.04	69.5	48551.37	404570	254.6654 ng/ml
Carisoprodol	5.724	875122	1280361.01	62.5	11471.88	156253	243.0361 ng/ml
Citalopram	5.225	2206501	31382.35	33.9	35039.53	388924	251.3138 ng/ml
Clonazepam	5.612	1036923	17397.26	35.0	38424.38	61769	253.9080 ng/ml
Clonazepam	5.549	590539	1202039.04	37.3	300287.75	61769	220.5279 ng/ml
Cocaine	4.269	1720701	219372.91	56.4	69741.64	549423	253.4874 ng/ml
Codeine	2.587	193107	5897.89	93.1	17016.69	43071	243.6197 ng/ml
Cyclobenzaprine	5.635	1746062	43611.97	7.9	408.02	262357	257.3860 ng/ml
Dextromethorphan	5.275	1104056	38235.20	81.6	31730.56	183392	251.6407 ng/ml
Dextrophan	4.130	778644	793.19	200.1	13687.35	317963	250.1349 ng/ml
Diazepam	5.954	771305	628.52	90.2	1483.46	144859	251.5687 ng/ml
Dihydrocodeine	2.552	579200	25694.43	67.6	314.77	153152	247.2479 ng/ml
Diphenhydramine	5.302	5457784	10515.87	31.1	20926.40	1262351	247.2146 ng/ml
Doxylamine	4.542	6111503	185949.81	97.5	8354.89	1043986	256.3762 ng/ml
EDDP	5.267	2238652	91039.34	42.1	552.36	471053	249.2398 ng/ml
Etizolam	5.814	606477	1337.83	27.2	7082.51	61769	261.1385 ng/ml
Fentanyl	5.109	231869	14158.65	66.4	5663.62	506567	24.3822 ng/ml
Flualprazolam	5.706	413739	8662.47	105.1	38041.95	157319	256.9555 ng/ml
Fluoxetine	5.721	1734498	133080.24	7.7	28002.61	243635	252.0209 ng/ml
Hydrocodone	3.027	822733	∞	38.4	241.78	213910	247.2982 ng/ml
Hydromorphone	1.621	781862	1864429.38	77.3	3910.48	98098	249.4273 ng/ml
Ketamine	4.056	1913327	1161.15	34.3	810.04	331832	254.1473 ng/ml
Lamotrigine	4.292	134160	2316.25	91.9	216386.04	804461	257.7393 ng/ml
Lorazepam	5.747	554169	1305.71	52.3	1520.88	190397	230.6420 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1926044	6699.64	30.5	823.50	219839	233.9045 ng/ml
MDMA	3.306	1730514	83039.36	93.0	4390.31	71306	248.9047 ng/ml
Meprobamate	4.903	541468	2057228.08	28.2	2426.76	156969	215.6760 ng/ml
Methadone	5.666	3500117	57024.25	57.6	40838.78	559552	251.9144 ng/ml
Methamphetamine	3.233	3112009	5809.12	38.5	8209.55	599735	239.4815 ng/ml
Metoprolol	4.331	522288	498859.44	98.4	32998.10	804461	259.1572 ng/ml
Mirtazapine	4.636	3907624	5444.02	52.6	21040.31	415879	253.4411 ng/ml
Mitragynine	5.243	740113	7148.63	37.0	415561.95	559552	253.0223 ng/ml
Morphine	1.261	129288	993.98	27.5	505.22	8041	247.2552 ng/ml
Norbuprenorphine	5.005	9703	143.00	95.3	8909.51	17414	24.0609 ng/ml
Nordiazepam	5.900	780823	3164.13	53.8	865.25	107117	253.7952 ng/ml
Norfentanyl	4.090	474903	17568.02	36.2	4633.61	704226	25.6754 ng/ml
Norhydrocodone	3.075	128235	810.03	39.4	70.31	37137	274.5799 ng/ml
Noroxycodone	2.925	666552	2579.02	47.9	6533.64	77723	250.7295 ng/ml
O-desmethyl-tramadol	3.379	4688827	181611.52	5.9	20288.76	918838	252.0886 ng/ml
Oxazepam	5.750	792229	10313.25	78.0	9012.65	190397	249.9498 ng/ml
Oxycodone	2.843	1545296	1725.22	30.7	2123.54	248446	259.8703 ng/ml
Oxymorphone	1.411	704401	668.28	48.5	∞	90778	245.5532 ng/ml
Phentermine	3.787	856661	6771.86	5.7	1205.95	513059	223.9265 ng/ml
Promethazine	5.552	4144608	196603.85	30.1	2675.14	672633	254.6165 ng/ml
Pseudoephedrine	2.590	4240238	9592.84	16.9	50213.70	804461	251.7643 ng/ml
Quetiapine	5.569	2523161	365202.45	60.6	52534.68	143164	251.2382 ng/ml
Sertraline	5.790	561713	10008.48	95.4	41328.76	94937	249.0288 ng/ml
Temazepam	5.817	1884093	1085.61	27.0	330.94	366318	252.9606 ng/ml
Tramadol	4.251	4587832	79022.41	3.4	10211.19	845464	258.5175 ng/ml
Trazodone	5.168	2968389	110905.85	82.2	111584.27	516235	257.0450 ng/ml
Venlafaxine	5.050	4193813	2149149.63	31.1	770.88	851600	251.8349 ng/ml
Zolpidem	4.927	3785483	93514.64	29.1	19990.75	782795	252.6093 ng/ml

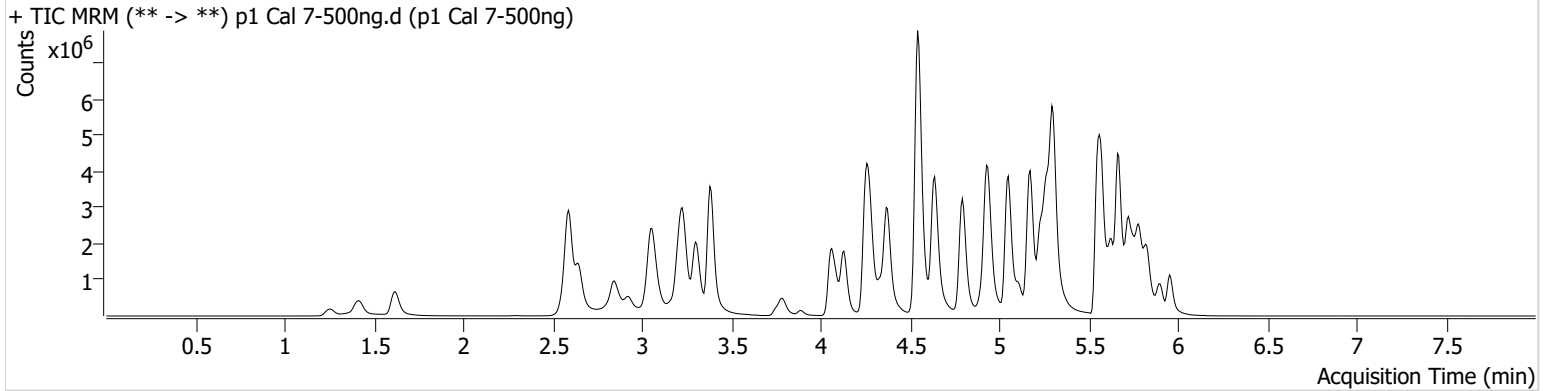
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-B12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 3:10:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	83540	1020.41	71.7	107124.65	41921	49.6329 ng/ml
7-aminoclonazepam	4.270	749276	16774.10	72.1	3113.02	69740	439.8645 ng/ml
a-hydroxyalprazolam	5.692	310829	949.07	68.8	1847.12	242912	453.5976 ng/ml
alpha-PHP	4.943	1174854	66998.96	258.8	388837.74	372602	469.2503 ng/ml
alpha-PVP	4.375	5117585	6564.23	50.5	84088.05	372602	506.9669 ng/ml
Alprazolam	5.776	1904862	694.32	105.6	1256.03	127288	508.8104 ng/ml
Amphetamine	3.058	5399038	271.02	44.1	44630.07	189437	331.6607 ng/ml
Benzoylecgonine	3.884	152458	233.39	8.1	220.32	9623	526.4254 ng/ml
Buprenorphine	5.860	163210	34561.85	15.2	28657.99	102317	55.2543 ng/ml
Bupropion	4.794	5328172	88354.45	69.1	602170.55	381497	487.7125 ng/ml
Carisoprodol	5.731	1200365	583587.70	61.8	4496.94	101789	511.5172 ng/ml
Citalopram	5.225	3581664	345646.20	34.0	105691.44	312265	508.0558 ng/ml
Clonazepam	5.605	1466514	26073.18	34.9	94795.66	47383	468.9485 ng/ml
Clonazepam	5.549	744659	15199.34	37.2	336612.56	47383	363.2846 ng/ml
Cocaine	4.269	2861352	149143.91	56.9	65291.54	470446	492.3359 ng/ml
Codeine	2.587	287179	168.49	98.0	4102.57	36489	428.2538 ng/ml
Cyclobenzaprine	5.635	2727080	58759.99	8.0	10160.79	205514	512.5375 ng/ml
Dextromethorphan	5.275	1666072	63400.47	82.2	56967.10	139684	498.6024 ng/ml
Dextrophan	4.130	1368421	1614.04	206.6	90389.35	278529	501.5787 ng/ml
Diazepam	5.954	1309413	27701.16	88.1	1091.56	124051	498.9252 ng/ml
Dihydrocodeine	2.559	972817	26540.04	69.6	∞	147758	430.9827 ng/ml
Diphenhydramine	5.302	9225015	52295.16	30.6	35863.48	1023308	515.3785 ng/ml
Doxylamine	4.542	11437001	226246.55	96.3	130044.20	963402	520.0058 ng/ml
EDDP	5.267	3931976	1737.21	41.0	37382.83	405653	508.2611 ng/ml
Etizolam	5.814	985267	2133.02	27.5	12717.72	47383	552.2500 ng/ml
Fentanyl	5.109	445860	22411.39	65.2	240814.68	459937	51.6256 ng/ml
Flualprazolam	5.706	610952	30908.39	108.4	15279.47	127288	469.3429 ng/ml
Fluoxetine	5.721	2237410	71334.97	7.7	20179.64	154772	511.2870 ng/ml
Hydrocodone	3.027	1427060	219.96	39.3	149.00	196249	468.6632 ng/ml
Hydromorphone	1.621	1373549	7247189.85	78.7	3337934.06	86121	499.1335 ng/ml
Ketamine	4.056	3398149	60347.06	34.1	6326.55	307577	487.6331 ng/ml
Lamotrigine	4.292	203160	1666.83	89.6	209239.36	659927	476.4292 ng/ml
Lorazepam	5.747	622439	43460.96	52.4	835.59	108071	457.5692 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	2799917	12660.85	28.3	1435.34	180542	414.9444 ng/ml
MDMA	3.299	2988561	4242.82	93.0	61312.88	62320	491.8784 ng/ml
Meprobamate	4.903	748678	43033.59	28.1	12587.69	135715	345.5026 ng/ml
Methadone	5.666	6052338	130402.56	57.5	37134.42	471613	516.4878 ng/ml
Methamphetamine	3.233	5429042	36250.80	38.0	23611.16	592921	423.7432 ng/ml
Metoprolol	4.331	837515	19885.15	99.4	5685.63	659927	506.5837 ng/ml
Mirtazapine	4.636	7103344	430042.56	51.7	852.53	372602	514.1445 ng/ml
Mitragynine	5.243	1187905	77710.72	37.1	6622.04	471613	482.5023 ng/ml
Morphine	1.253	222946	1303.38	28.0	5324.50	7185	477.3322 ng/ml
Norbuprenorphine	5.005	18247	4716.28	96.3	586.15	15998	49.6033 ng/ml
Nordiazepam	5.900	1166637	1563.84	54.3	11850.30	81743	497.2481 ng/ml
Norfentanyl	4.090	871472	14549.85	35.8	9602.64	571943	57.9474 ng/ml
Norhydrocodone	3.075	238609	∞	40.1	309.84	32401	584.4148 ng/ml
Noroxycodone	2.925	1009727	∞	49.1	2896.01	58448	505.1880 ng/ml
O-desmethyl-tramadol	3.379	8516901	189916.86	5.8	36738.90	819535	513.1938 ng/ml
Oxazepam	5.750	880605	16693.11	73.3	4977.62	108071	490.0104 ng/ml
Oxycodone	2.836	2608457	1306.53	30.6	620.39	231512	472.5946 ng/ml
Oxymorphone	1.411	1205112	965.88	49.3	61783.46	75584	504.8965 ng/ml
Phentermine	3.787	1409613	2753.07	5.6	1259.84	487282	388.3615 ng/ml
Promethazine	5.545	6855918	1727.66	29.8	2234.88	549852	514.8078 ng/ml
Pseudoephedrine	2.590	7122333	100169.35	16.6	4211.92	659927	515.0923 ng/ml
Quetiapine	5.569	4198030	458449.59	59.4	1350.85	123259	486.0338 ng/ml
Sertraline	5.790	701241	1042.06	92.8	9717.68	58800	501.7817 ng/ml
Temazepam	5.824	2445895	4440.29	27.3	8144.37	242912	495.2554 ng/ml
Tramadol	4.251	7861083	272795.90	3.3	1519.73	758953	493.8877 ng/ml
Trazodone	5.168	5304849	127740.58	81.2	173571.70	499203	475.7090 ng/ml
Venlafaxine	5.050	7567321	289206.23	30.9	5298.25	750913	514.9447 ng/ml
Zolpidem	4.927	6504697	172300.95	28.3	2503.60	716422	474.9325 ng/ml

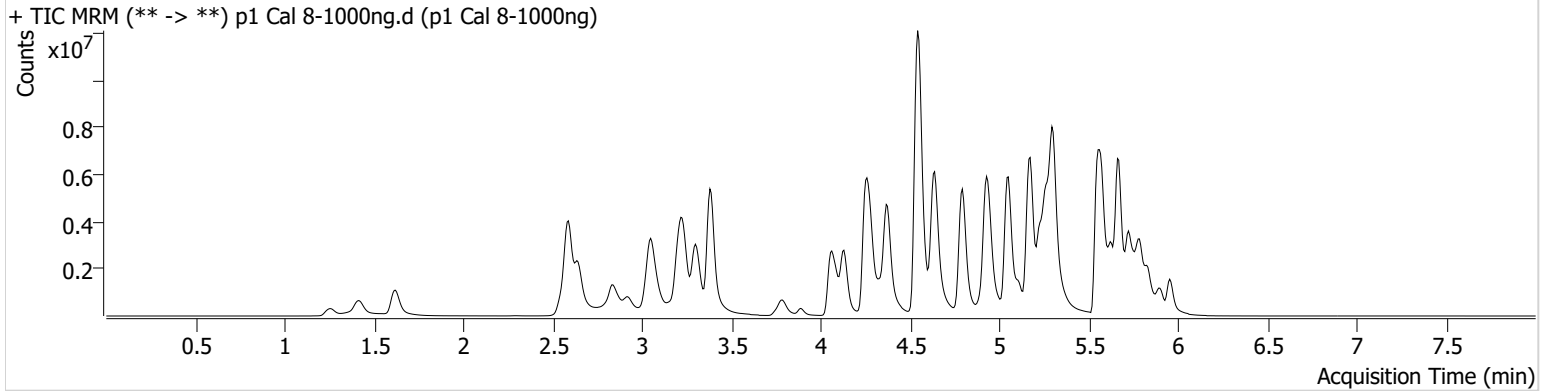
AM #28 Multi-Drug Quant. Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\090922 AM 28 P1 P2 CS\QuantResults\AM 28 P1 Updated.batch.bin
Calibration Last Update 9/16/2022 8:39:50 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-A12	Comment	
Injection Volume	2		
Acq. Date-Time	9/9/2022 3:20:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	162901	539.46	69.0	31832.97	40228	100.8066 ng/ml
7-aminoclonazepam	4.270	726940	7742.59	72.3	1761.69	41274	721.5362 ng/ml
a-hydroxyalprazolam	5.685	336378	322.03	65.8	908.37	134101	890.1827 ng/ml
alpha-PHP	4.943	1772832	64343.95	261.2	4088.69	312440	845.1544 ng/ml
alpha-PVP	4.375	8833199	1947.73	50.5	81081.06	312440	1043.4810 ng/ml
Alprazolam	5.776	2624838	525.75	104.9	451.26	91354	976.7860 ng/ml
Amphetamine	3.051	7510016	19497.10	44.3	73264.62	173372	504.8305 ng/ml
Benzoylecgonine	3.884	327131	1311.80	8.2	141.20	10745	1012.5034 ng/ml
Buprenorphine	5.860	329260	118954.86	15.5	128717.37	90593	125.9308 ng/ml
Bupropion	4.794	9577811	229699.65	67.7	276688.66	354385	943.9999 ng/ml
Carisoprodol	5.731	1301778	623151.71	62.3	15985.11	50559	1116.5933 ng/ml
Citalopram	5.225	4992416	47749.00	34.2	1201399.87	219254	1008.5527 ng/ml
Clonazepam	5.605	1713893	23452.16	34.3	43499.73	30689	846.9662 ng/ml
Clonazepam	5.542	736137	545739.39	37.8	86931.93	30689	555.1179 ng/ml
Cocaine	4.276	4485155	43726.71	56.7	38479.36	363091	999.9645 ng/ml
Codeine	2.573	418942	10620.23	99.8	103.75	30477	748.5705 ng/ml
Cyclobenzaprine	5.628	4411089	118290.09	7.5	347.19	154173	1104.3554 ng/ml
Dextromethorphan	5.275	2299738	27351.84	81.8	33046.85	96294	998.3956 ng/ml
Dextrophan	4.130	2376613	196091.17	202.7	635246.06	229132	1058.6397 ng/ml
Diazepam	5.954	1978532	7278.02	90.1	328.12	98269	951.8666 ng/ml
Dihydrocodeine	2.552	1654781	13195.77	69.9	13690.25	145540	744.8196 ng/ml
Diphenhydramine	5.302	14162067	46576.64	31.0	22026.62	784788	1031.5890 ng/ml
Doxylamine	4.542	19598417	242238.15	96.5	217166.50	921884	931.2834 ng/ml
EDDP	5.261	6877498	257712.93	41.0	41284.91	343700	1049.1701 ng/ml
Etizolam	5.814	1471374	36724.95	26.7	31360.94	30689	1272.4206 ng/ml
Fentanyl	5.109	901659	28484.16	65.0	917693.68	462577	103.7956 ng/ml
Flualprazolam	5.706	783860	23715.33	109.6	3510.70	91354	839.4112 ng/ml
Fluoxetine	5.721	3448538	43534.89	7.7	19217.85	112515	1083.5176 ng/ml
Hydrocodone	3.021	2494347	155.58	40.1	276.98	184352	873.1091 ng/ml
Hydromorphone	1.621	2474661	21626340.07	77.2	2498866.44	76792	1008.5193 ng/ml
Ketamine	4.056	5762042	110190.58	33.0	62427.09	285099	892.6406 ng/ml
Lamotrigine	4.299	262438	26244.44	88.4	1679.80	489768	829.8343 ng/ml
Lorazepam	5.747	631404	15439.13	52.9	305.76	51796	969.7898 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.199	3603758	2510.74	28.1	2236.84	138988	694.5391 ng/ml
MDMA	3.299	4913679	131446.96	87.2	21297.83	49824	1011.6164 ng/ml
Meprobamate	4.896	983307	27823.35	27.7	1919.07	111309	553.8663 ng/ml
Methadone	5.666	9958627	275020.02	56.9	51041.06	373991	1071.3206 ng/ml
Methamphetamine	3.227	8901055	72284.73	37.4	30729.86	595444	692.7492 ng/ml
Metoprolol	4.331	1211477	67018.89	99.4	3647.59	489768	987.3641 ng/ml
Mirtazapine	4.636	12078232	35692.31	51.2	64413.23	312440	1042.4922 ng/ml
Mitragynine	5.236	1791037	45158.24	37.9	3771.79	373991	918.0419 ng/ml
Morphine	1.253	392258	10511.14	26.5	1760.93	6319	955.1832 ng/ml
Norbuprenorphine	4.998	34969	3354.22	91.6	808.44	15110	100.9922 ng/ml
Nordiazepam	5.900	1485817	772.82	54.8	11463.22	57525	900.2064 ng/ml
Norfentanyl	4.090	1510073	265567.71	36.0	1224.26	421150	136.2921 ng/ml
Norhydrocodone	3.075	442555	∞	40.7	∞	27749	1264.4314 ng/ml
Noroxycodone	2.918	1495522	10554.29	48.4	8301.39	42578	1027.2430 ng/ml
O-desmethyl-tramadol	3.379	14559363	334619.73	5.8	24808.50	691881	1038.9622 ng/ml
Oxazepam	5.750	829936	29831.70	73.9	1940.82	51796	964.0991 ng/ml
Oxycodone	2.829	4142505	583.97	30.3	1837.06	213821	814.2698 ng/ml
Oxymorphone	1.411	2141685	∞	47.2	∞	69854	971.1814 ng/ml
Phentermine	3.787	2246520	∞	5.5	15818.85	465294	648.5549 ng/ml
Promethazine	5.545	11475140	459459.69	29.3	68178.49	451003	1050.0883 ng/ml
Pseudoephedrine	2.590	11040865	2324.95	16.6	80280.29	489768	1075.4666 ng/ml
Quetiapine	5.569	6303465	840.79	59.6	92108.39	96147	936.1035 ng/ml
Sertraline	5.790	1096708	945.37	94.1	1687.45	44430	1038.3984 ng/ml
Temazepam	5.831	2735692	37952.29	27.0	4402.28	134101	1003.4437 ng/ml
Tramadol	4.251	12740400	2319.40	3.3	865.11	662251	917.7318 ng/ml
Trazodone	5.168	9363433	1465.52	80.1	264367.01	493329	850.2759 ng/ml
Venlafaxine	5.050	13098120	∞	29.9	8572.79	635814	1052.2603 ng/ml
Zolpidem	4.920	10547152	207283.36	27.8	5773.37	655294	842.4996 ng/ml