

Worklist: 4261

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-1314	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1448	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1449	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1457	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1520	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1577	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1701	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1349	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1411	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1417	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1437	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1447	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1453	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1468	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1484	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1485	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1493	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1499	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1501	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1514	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 05/26/20
 Plate lot#: IDP-111-190729

Analyst: Sarah Pickle
 Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA
 0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
 Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: Hemostat 445283-4

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
 Worklist path: D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP Batch Name: AM 28 SP
- 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? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves limited: amphetamine 5-500, codeine 5-500, dihydrocodeine 5-500, lamotrigine 5-250, lorazepam 5-250, meprobamate 5-500, mirtazapine 5-250, norbuprenorphine 2.5-100, norfentanyl 0.5-50*



Idaho State Police Forensic Services

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

Methanol External Control Solution (Lot: 031820)

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

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

Blood External Control Solution (Lot: WS031820)

*100 μ L of methanol external control solution was added to 9900 μ L of blood.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-3
Methanol External Control Solution		031820
Prepared:	03/18/20	
Prepared by:	Sarah Pickle	
Expires:	03/18/21	

Idaho State Police
Forensic Services
Toxicology Discipline

Request for Departure from an Analytical Method

Date of Request
01/13/2020

Forensic Scientist
Celena Shrum

Analytical Methods
Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:

- *MDS (batch IDP-107-190725)- Expiration is 1/25/2020
- *THC (batch IDP-108-190716)- Expiration is 1/16/2020
- *MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
- *MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum
Date: 01/13/2020
Celena Shrum
Toxicology Discipline Lead

Rachel Cutler 5/22/20
Lab Manager

I had approved of this deviation verbally but Celena signed it instead of me by mistake. Was noticed during audit.

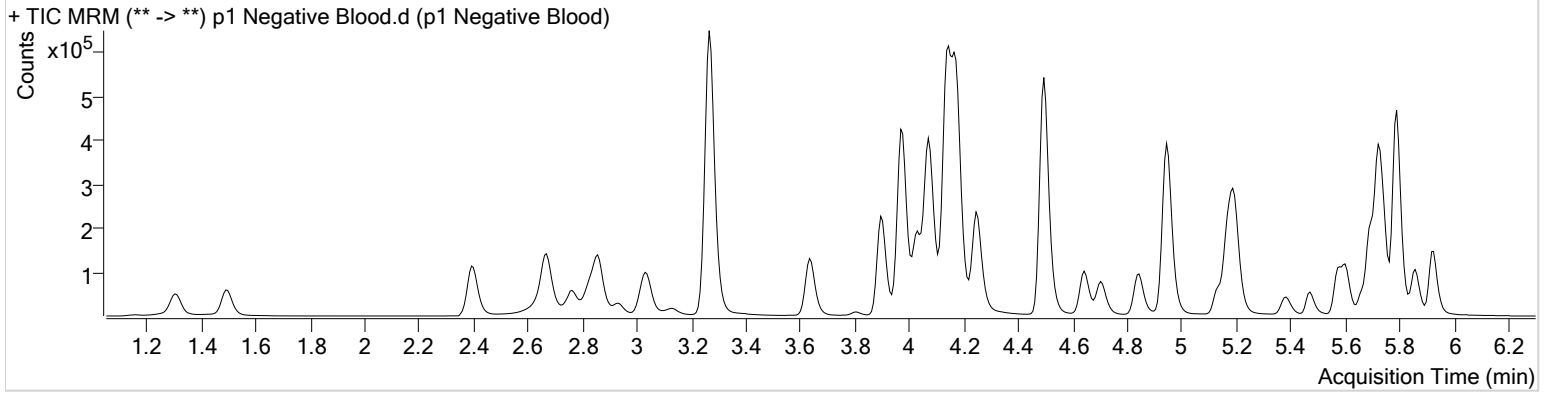
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-E2	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 9:19:47 PM		
Sample Info.			

Sample Chromatogram



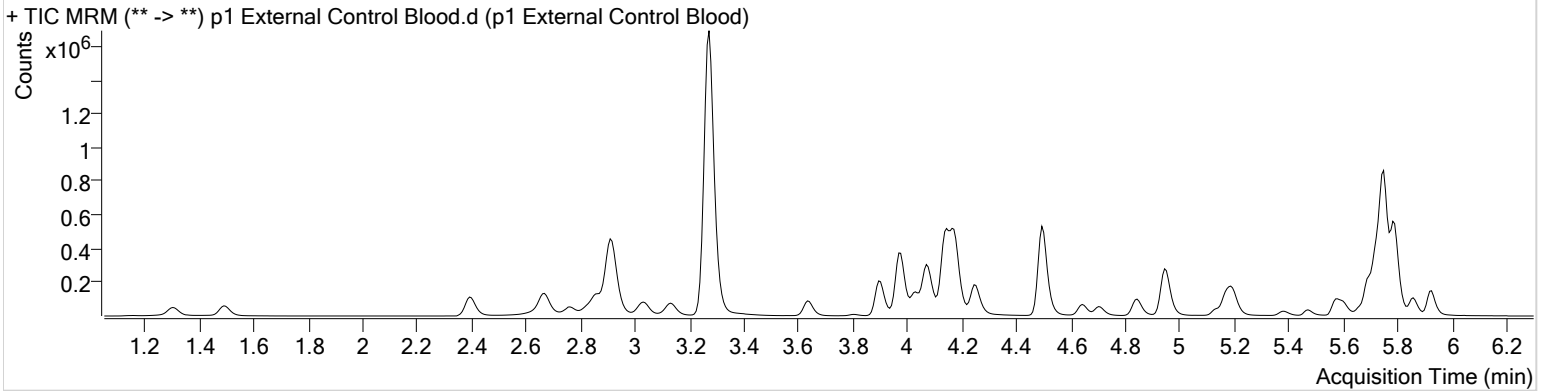


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument Falco **Data File** p1 External Control Blood.d
Type Sample **Sample** p1 External Control Blood
Acq. Method MDQ P1 01112020.m **Operator** Sarah Pickle
Sample Position P1-F2 **Comment**
Injection Volume 2
Acq. Date-Time 5/26/2020 9:30:21 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.750	763475	1123.03	104.4	647.67	245280	81.9923 ng/ml
Amphetamine	2.914	897114	12170.65	51.3	8750.86	126905	92.6258 ng/ml
O-desmethyl-tramadol	3.274	2703052	8151.30	6.0	4363.35	1595503	91.7613 ng/ml

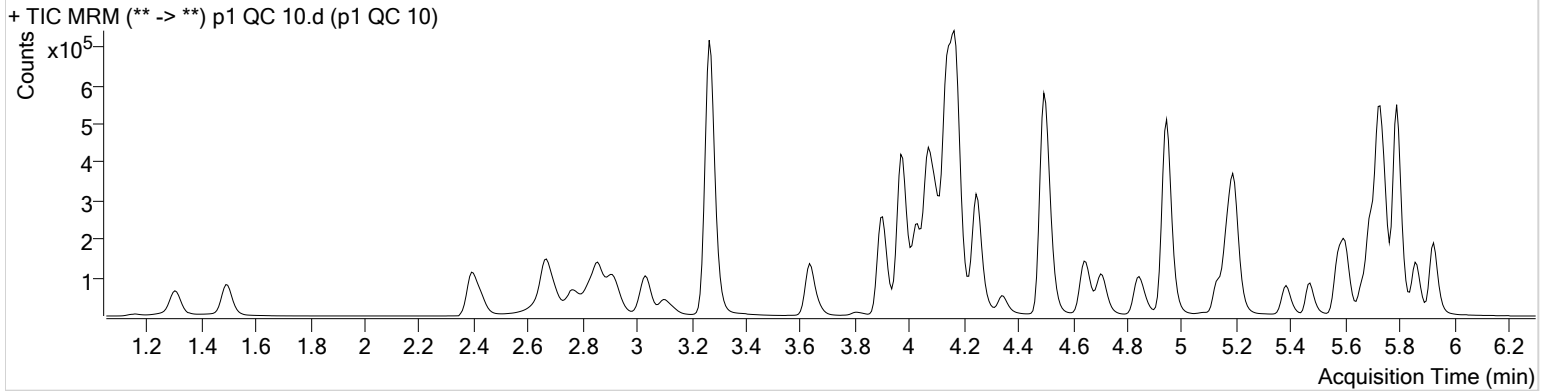
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-A2	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 7:44:28 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	2858	5925.65	68.9	597.26	62515	1.0867 ng/ml
7-aminoclonazepam	3.996	51646	303.51	84.6	647.95	220475	9.7671 ng/ml
a-hydroxyalprazolam	5.667	22769	168.41	62.5	546.28	55516	10.1844 ng/ml
alpha-PVP	4.257	120588	985.24	51.8	2127.58	546730	9.8529 ng/ml
Alprazolam	5.750	86220	438.79	108.9	339.15	241517	9.9394 ng/ml
Amphetamine	2.914	155996	3462.28	50.6	∞	179024	10.2292 ng/ml
Benzoylcegonine	3.833	5491	646.06	7.5	55.94	19662	9.6127 ng/ml
Buprenorphine	5.402	1568	71.43	15.5	∞	52093	1.0910 ng/ml
Bupropion	4.659	78388	786.05	58.1	806.33	277950	10.0974 ng/ml
Carisoprodol	5.699	80555	6352.24	54.5	268.67	376899	10.0896 ng/ml
Citalopram	5.135	36292	885.03	40.0	1362.00	166466	10.0251 ng/ml
Clonazepam	5.580	109479	1562.73	33.0	2184.47	130425	10.1275 ng/ml
Cocaine	4.170	138178	4381.49	44.9	843.11	1062609	9.9764 ng/ml
Codeine	2.429	17235	837.58	100.9	2904.74	77776	10.5234 ng/ml
Cyclobenzaprine	5.570	14794	4018.68	10.9	258.49	57244	10.2875 ng/ml
Dextromethorphan	5.171	16691	475.48	81.9	1081.78	75357	10.5167 ng/ml
Dextrophan	4.031	32093	1072.97	214.0	3798.94	404793	10.2475 ng/ml
Diazepam	5.935	64627	1046.23	84.3	1386.01	287008	10.7190 ng/ml
Dihydrocodeine	2.427	42807	3078.25	64.8	945.01	231613	10.0905 ng/ml
Diphenhydramine	5.199	85906	1222.53	32.1	2443.44	584563	10.3262 ng/ml
Doxylamine	4.098	258422	5308.09	97.3	335.57	1098077	9.2874 ng/ml
EDDP	5.170	59118	695.40	41.5	713.75	307639	10.1774 ng/ml
Fentanyl	4.952	1656	91.13	67.3	78.90	83861	1.1136 ng/ml
Fluoxetine	5.669	15593	1159.97	9.1	146.39	57565	11.1554 ng/ml
Hydrocodone	2.884	52555	90.82	38.4	333.46	328007	10.3876 ng/ml
Hydromorphone	1.500	42642	2279.07	76.3	6275.66	154377	10.5453 ng/ml
Ketamine	3.912	120625	28905.68	38.3	1314.28	532243	10.1173 ng/ml
Lamotrigine	4.148	10474	1485.60	83.2	2694.89	532243	10.6528 ng/ml
Lorazepam	5.728	93475	373.51	54.7	229.46	130425	10.8836 ng/ml
Meprobamate	4.868	45124	1372.84	26.8	771.08	235997	10.1922 ng/ml
Methadone	5.608	45559	626.79	53.0	280.47	212369	10.7557 ng/ml
Methamphetamine	3.101	68255	432.50	42.6	305.22	240438	9.8657 ng/ml
Metoprolol	4.239	20649	∞	97.0	∞	1334703	10.2277 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	76131	1535.42	48.5	1278.07	546730	10.5153 ng/ml
Mitragynine	5.078	7458	∞	36.3	419.00	212369	10.7482 ng/ml
Morphine	1.160	6132	666.23	22.8	48.96	6753	10.0230 ng/ml
Nordiazepam	5.868	60822	1297.11	57.3	500.15	191013	10.3172 ng/ml
Norfentanyl	4.000	18783	1705.55	37.3	63.77	808108	1.0271 ng/ml
Norhydrocodone	2.959	5330	104.23	46.8	68.64	56003	9.6186 ng/ml
Noroxycodone	2.783	52608	6516.82	48.8	1455.91	168245	10.1734 ng/ml
O-desmethyl-tramadol	3.274	287236	2097.54	6.1	304.32	1546402	9.9187 ng/ml
Oxazepam	5.731	105551	1437.48	74.0	∞	621544	10.4003 ng/ml
Oxycodone	2.693	106012	∞	31.3	611.16	473814	10.4058 ng/ml
Oxymorphone	1.310	42404	956.69	47.1	3822.44	156788	9.8890 ng/ml
Phentermine	3.671	29257	881.02	2.9	30.42	351978	10.1211 ng/ml
Promethazine	5.474	34052	1396.77	30.5	166.01	141401	11.2180 ng/ml
Quetiapine	5.383	49365	5553.53	60.5	526.04	59936	10.6684 ng/ml
Sertraline	5.730	8203	275.33	91.3	1262.48	32855	11.1063 ng/ml
Temazepam	5.798	178288	1452.51	30.1	455.58	934356	10.3184 ng/ml
Tramadol	4.153	279117	2575.30	3.4	280.22	1334703	10.5322 ng/ml
Trazodone	4.715	47133	1918.56	78.2	782.82	189516	10.6381 ng/ml
Venlafaxine	4.946	183139	5473.25	37.3	681.28	972000	9.9977 ng/ml
Zolpidem	4.507	280453	10479.55	30.6	77873.92	1254767	10.3776 ng/ml

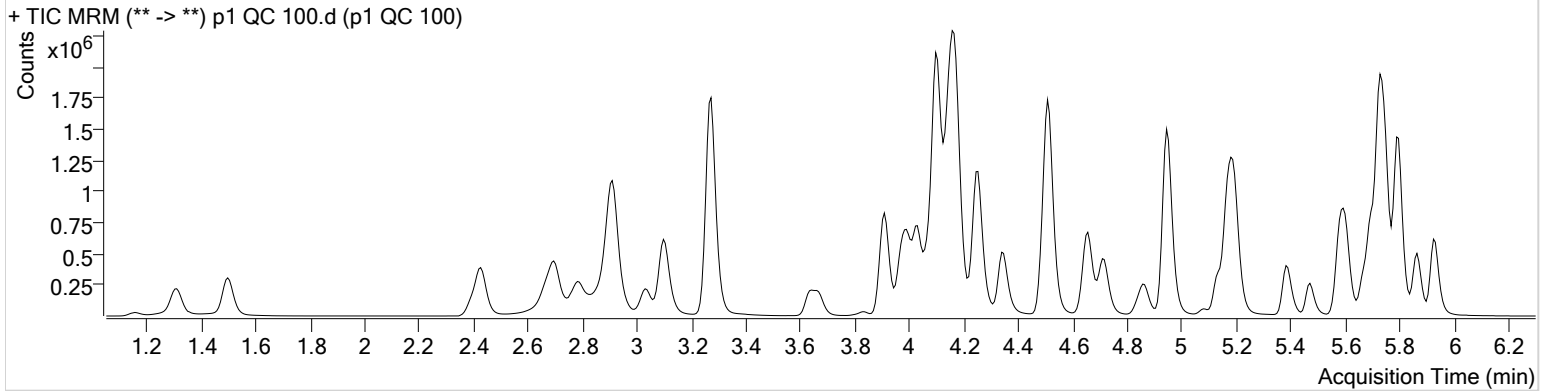
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-B2	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 8:05:38 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	28221	952.33	68.7	2207.31	66385	9.9861 ng/ml
7-aminoclonazepam	3.996	476603	∞	84.1	∞	209794	103.3909 ng/ml
a-hydroxyalprazolam	5.674	215162	2148.05	59.6	1003.73	53611	101.9801 ng/ml
alpha-PVP	4.257	1290275	15581.48	51.4	2086.54	587911	94.6346 ng/ml
Alprazolam	5.750	805789	12192.43	104.6	1954.20	216400	97.9668 ng/ml
Amphetamine	2.914	1970716	22127.45	50.7	28364.71	246938	104.7430 ng/ml
Benzoylcegonine	3.833	54555	5872.60	7.7	3654.99	19926	92.2442 ng/ml
Buprenorphine	5.402	16391	548.23	15.7	410.09	62046	10.0023 ng/ml
Bupropion	4.659	942579	19386.00	59.4	2566.78	344964	100.6277 ng/ml
Carisoprodol	5.699	741403	∞	54.5	1134.36	361229	102.0464 ng/ml
Citalopram	5.135	421580	3716.89	41.6	7917.10	194084	97.4402 ng/ml
Clonazepam	5.587	1019506	22964.78	32.9	7495.32	125830	103.2347 ng/ml
Cocaine	4.170	1346582	93852.20	45.0	50698.75	1062426	94.9913 ng/ml
Codeine	2.429	164455	342.70	101.6	5905.56	78338	107.8487 ng/ml
Cyclobenzaprine	5.570	142197	∞	9.5	277.55	57647	97.9804 ng/ml
Dextromethorphan	5.171	185205	952469.98	79.5	1225.00	87167	99.4358 ng/ml
Dextropropoxyphene	4.031	342412	12333.35	210.1	16031.35	436275	99.2221 ng/ml
Diazepam	5.935	573333	∞	87.4	12066.36	273627	102.4703 ng/ml
Dihydrocodeine	2.427	423378	1820.09	65.9	5790.50	238658	103.8503 ng/ml
Diphenhydramine	5.199	982435	14585.99	33.1	3016.55	685682	96.7472 ng/ml
Doxylamine	4.098	2711027	69115.20	97.5	112837.45	1173400	108.4385 ng/ml
EDDP	5.170	952596	1301.18	42.7	2042.47	519126	98.3058 ng/ml
Fentanyl	4.952	15929	318.79	66.1	4104.19	91029	10.0789 ng/ml
Fluoxetine	5.669	138624	15643.05	9.0	2365.52	59040	101.6854 ng/ml
Hydrocodone	2.884	527623	2528.68	39.8	10883.42	339732	108.7474 ng/ml
Hydromorphone	1.500	385390	9985.89	76.7	7759.58	164681	90.8773 ng/ml
Ketamine	3.912	1195990	66475.08	38.7	4043.36	555898	101.2386 ng/ml
Lamotrigine	4.148	96001	9953.47	78.7	2964.17	555898	99.3075 ng/ml
Lorazepam	5.728	758724	∞	57.1	5069.36	125830	101.0474 ng/ml
Meprobamate	4.868	424123	1189.10	26.7	7078.68	229277	102.9327 ng/ml
Methadone	5.608	499581	12915.74	52.1	∞	249333	96.2127 ng/ml
Methamphetamine	3.101	1209217	4751.79	42.2	2827.63	482671	106.8867 ng/ml
Metoprolol	4.239	210080	21030.79	95.6	6331.36	1360254	107.8272 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	855978	21504.82	49.2	3455.14	587911	108.6584 ng/ml
Mitragynine	5.078	83629	8270.26	37.3	14070.62	249333	105.2250 ng/ml
Morphine	1.160	59039	3306.25	23.9	1001.43	6580	100.8909 ng/ml
Norbuprenorphine	4.896	1665	58.62	77.8	137.42	8757	9.2216 ng/ml
Nordiazepam	5.868	558504	2891.65	57.9	1645.04	179127	104.0647 ng/ml
Norfentanyl	4.000	204335	15239.29	37.4	355.00	935402	10.4159 ng/ml
Norhydrocodone	2.959	55984	∞	43.1	456.46	56582	92.2274 ng/ml
Noroxycodone	2.783	520582	∞	48.0	625.07	173708	101.4757 ng/ml
O-desmethyl-tramadol	3.274	2884831	113000.64	6.1	7923.67	1557938	100.3084 ng/ml
Oxazepam	5.731	905402	11529.82	71.4	14627.08	555294	104.0160 ng/ml
Oxycodone	2.693	1061977	5027.17	31.0	5785.82	486280	105.8128 ng/ml
Oxymorphone	1.310	407166	∞	47.5	1458.67	154342	99.9615 ng/ml
Phentermine	3.671	393289	∞	2.9	418.00	490173	105.8214 ng/ml
Promethazine	5.474	326659	34633.26	30.6	917.41	150714	98.0846 ng/ml
Quetiapine	5.383	517601	18353.33	60.1	22589.80	68429	97.8182 ng/ml
Sertraline	5.730	68239	1110.98	89.8	1129.57	30840	95.4395 ng/ml
Temazepam	5.798	1690681	29844.95	29.8	1426.05	918769	99.6810 ng/ml
Tramadol	4.153	2754027	357015.95	3.4	2079.60	1360254	108.4461 ng/ml
Trazodone	4.715	511017	270317.46	79.3	80116.06	222231	95.6647 ng/ml
Venlafaxine	4.946	1988053	53876.54	35.9	11599.01	1035085	95.9135 ng/ml
Zolpidem	4.507	2757075	191098.81	30.3	57321.89	1278581	104.1630 ng/ml

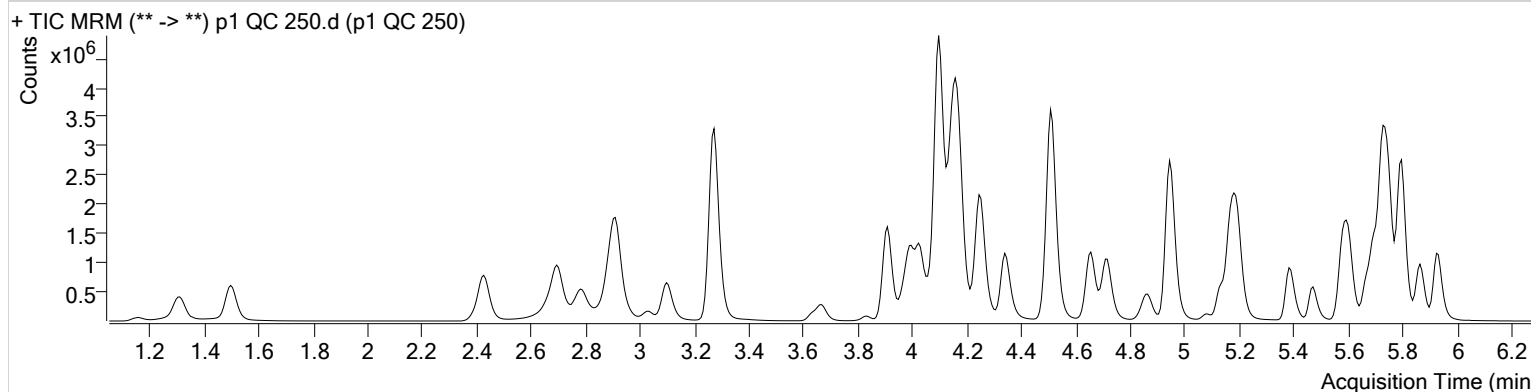
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-C2	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 8:26:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	68660	3483.42	69.8	6567.11	63891	25.2219 ng/ml
7-aminoclonazepam	3.996	1218009	13125.05	84.2	6622.36	222319	250.7470 ng/ml
a-hydroxyalprazolam	5.674	470936	1192.30	64.9	534.28	49567	241.7806 ng/ml
alpha-PVP	4.257	2726805	5929.40	51.0	53306.70	485902	241.3906 ng/ml
Alprazolam	5.750	1760239	2464.34	103.8	2152.09	183144	251.9107 ng/ml
Amphetamine	2.914	3034313	17556.69	53.0	29223.69	173189	231.5682 ng/ml
Benzoylcegonine	3.833	143586	19980.53	7.7	1819.05	18393	262.6014 ng/ml
Buprenorphine	5.402	33393	613.98	17.3	23981.83	50436	25.1503 ng/ml
Bupropion	4.659	1809907	4866.81	59.0	3311.05	262483	254.4284 ng/ml
Carisoprodol	5.699	1552390	123900.07	55.1	∞	307809	251.6257 ng/ml
Citalopram	5.135	896891	1296.03	41.9	3076.12	159758	251.4075 ng/ml
Clonazepam	5.587	2226436	12016.24	33.2	3620.20	111417	255.5426 ng/ml
Cocaine	4.170	2886441	21939867.23	45.1	63931.25	905632	238.4801 ng/ml
Codeine	2.436	341262	1746.23	103.5	2342.95	72304	243.6733 ng/ml
Cyclobenzaprine	5.570	389959	∞	9.6	513.14	61528	251.7131 ng/ml
Dextromethorphan	5.171	399947	1911.52	78.2	2335.85	74666	250.4245 ng/ml
Dextrorphan	4.031	719177	3377.41	213.8	6778.35	360740	251.6510 ng/ml
Diazepam	5.935	1260923	7698.33	87.6	2551.81	245075	252.0943 ng/ml
Dihydrocodeine	2.427	943303	∞	65.7	6357.62	224394	247.2058 ng/ml
Diphenhydramine	5.199	2083513	2551.34	33.0	1693.08	577474	242.9429 ng/ml
Doxylamine	4.098	6535623	133786.67	96.7	383950.50	1107004	280.1432 ng/ml
EDDP	5.170	2001654	2816.57	42.4	2085.56	429410	249.9260 ng/ml
Fentanyl	4.952	38977	1109.89	66.6	706.99	86929	25.8676 ng/ml
Fluoxetine	5.669	389469	3831.33	8.5	341.36	65843	257.1583 ng/ml
Hydrocodone	2.884	1122031	∞	43.7	7791.26	286949	275.2062 ng/ml
Hydromorphone	1.500	975878	18081.14	69.2	10551.34	137968	275.0865 ng/ml
Ketamine	3.912	2686901	59621.00	38.6	11577.62	499812	253.8806 ng/ml
Lamotrigine	4.141	196564	36241.17	78.8	27182.14	499812	227.1090 ng/ml
Lorazepam	5.722	1353733	3830.16	56.1	∞	111417	204.9131 ng/ml
Meprobamate	4.868	905303	11508.64	26.1	663.63	204856	246.5981 ng/ml
Methadone	5.608	1141435	∞	51.9	9901.07	221922	246.1800 ng/ml
Methamphetamine	3.101	1287591	5923.35	42.5	1821.23	220202	252.8533 ng/ml
Metoprolol	4.239	446197	12707.81	95.8	6715.92	1206632	259.0652 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	1936564	9596.05	48.2	5912.84	485902	297.2006 ng/ml
Mitragynine	5.078	183847	463828.28	39.2	7157.60	221922	260.3370 ng/ml
Morphine	1.160	136340	1480.03	24.1	357.46	6241	245.9566 ng/ml
Norbuprenorphine	4.896	3415	208.97	82.2	284.92	6841	24.6502 ng/ml
Nordiazepam	5.868	1236836	∞	57.2	3086.57	159632	259.1145 ng/ml
Norfentanyl	3.993	428813	3569.18	37.2	2738.66	816373	25.1733 ng/ml
Norhydrocodone	2.959	124402	228.48	42.5	528.18	47437	243.0785 ng/ml
Noroxycodone	2.783	1149216	4144.61	48.6	8511.05	152725	255.4906 ng/ml
O-desmethyl-tramadol	3.274	6875007	8733.63	5.8	2457.22	1419627	262.5980 ng/ml
Oxazepam	5.731	1730294	103983.91	71.1	∞	430437	257.1521 ng/ml
Oxycodone	2.693	2512998	∞	31.3	2176.87	465710	262.1610 ng/ml
Oxymorphone	1.310	964829	2966.22	47.4	1695.20	136159	269.1794 ng/ml
Phentermine	3.671	654569	22444.35	2.9	∞	331074	262.1352 ng/ml
Promethazine	5.474	872687	3448.70	31.0	1262.08	164537	239.5013 ng/ml
Quetiapine	5.383	1277132	82045.94	60.3	∞	65254	253.0708 ng/ml
Sertraline	5.730	180178	2584.86	90.3	791.87	31795	243.8388 ng/ml
Temazepam	5.798	3962608	∞	29.1	45829.12	821595	261.2969 ng/ml
Tramadol	4.153	6031000	82057.94	3.3	2500.67	1206632	268.8155 ng/ml
Trazodone	4.715	1360841	6710.42	78.2	119037.54	229317	246.3673 ng/ml
Venlafaxine	4.946	4426860	∞	36.0	35162.36	893911	246.2729 ng/ml
Zolpidem	4.507	6601748	74015.22	29.6	22346.99	1206658	265.0009 ng/ml

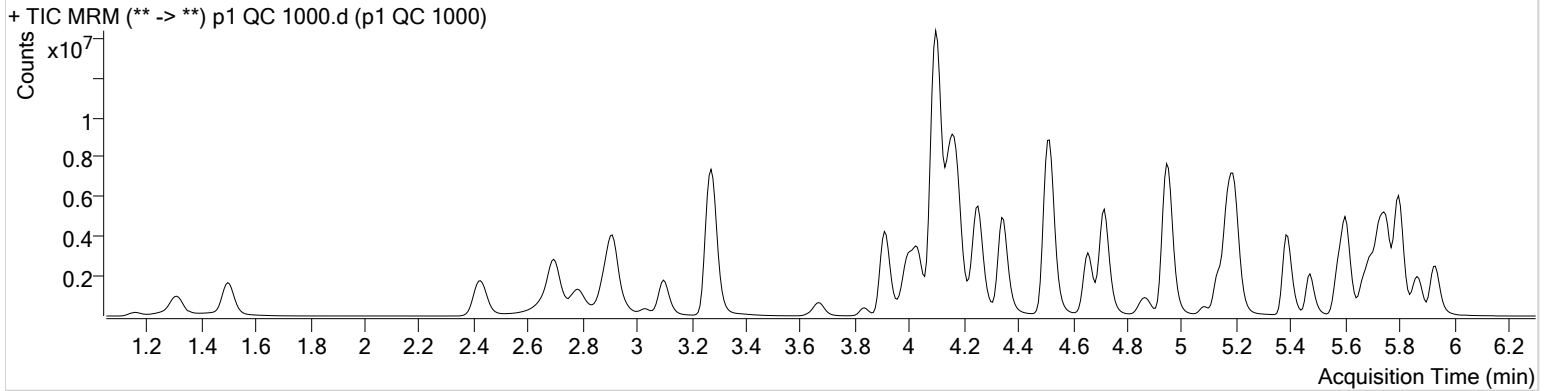
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-D2	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 8:47:59 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	283446	6478.26	70.3	2122.18	64828	102.5743 ng/ml
7-aminoclonazepam	3.996	3629338	∞	83.1	∞	210192	792.4121 ng/ml
a-hydroxyalprazolam	5.674	1287474	∞	62.0	127.55	35196	931.6518 ng/ml
alpha-PVP	4.257	8214176	∞	50.2	16374.31	356836	988.9918 ng/ml
Alprazolam	5.750	4566475	580.22	104.8	2229.33	117094	1020.2947 ng/ml
* Amphetamine	2.914	7424204	155284.46	50.6	46817.71	147251	668.9384 ng/ml
Benzoylcegonine	3.833	727434	13957.20	7.7	4805.08	19630	1245.7238 ng/ml
Buprenorphine	5.402	117478	1737.50	16.6	328.81	41090	108.7877 ng/ml
Bupropion	4.659	5105519	16367.90	58.1	2731.71	187470	1005.8433 ng/ml
Carisoprodol	5.699	3385441	233659.52	54.1	24264.42	182477	927.2464 ng/ml
Citalopram	5.135	3442584	18921.85	41.3	1357.74	153814	1001.4687 ng/ml
Clonazepam	5.587	5161338	5012.51	32.1	45618.14	71704	922.1478 ng/ml
Cocaine	4.177	8308102	371055.18	43.8	593626.84	622633	997.5953 ng/ml
* Codeine	2.436	849169	20784.08	102.0	13875.08	62194	706.7210 ng/ml
Cyclobenzaprine	5.570	1452855	5670.00	9.5	2608.79	56847	1014.9395 ng/ml
Dextromethorphan	5.171	1228115	661.08	79.4	2037.65	57409	999.6363 ng/ml
Dextrorphan	4.031	2233285	5339.50	212.7	48985.67	269878	1043.7730 ng/ml
Diazepam	5.935	3331896	893.95	86.4	10069.81	166133	983.6255 ng/ml
* Dihydrocodeine	2.421	2670317	∞	66.1	∞	218958	718.7131 ng/ml
Diphenhydramine	5.199	7962076	1017188.49	32.3	2088.89	524806	1020.1293 ng/ml
Doxylamine	4.098	21834700	951408.53	95.9	607455.63	1167102	891.9756 ng/ml
EDDP	5.176	8255742	2597.27	41.6	5165.05	423463	1045.7044 ng/ml
Fentanyl	4.952	115869	611.03	69.6	456.70	70033	95.5220 ng/ml
Fluoxetine	5.662	1099602	35786.48	8.7	∞	48325	991.0739 ng/ml
Hydrocodone	2.884	3937424	1649.74	33.3	2570.36	263227	1055.4040 ng/ml
Hydromorphone	1.500	2774189	∞	76.9	∞	110247	979.1637 ng/ml
Ketamine	3.912	8367229	595391.89	37.7	88382.06	420126	942.2151 ng/ml
* Lamotrigine	4.134	346047	28713.87	79.8	∞	420126	476.4756 ng/ml
* Lorazepam	5.722	1665002	∞	56.0	4186.42	71704	392.7806 ng/ml
* Meprobamate	4.868	2132832	149356.55	25.8	34047.81	159405	747.6309 ng/ml
Methadone	5.608	4787961	14202.85	50.8	2571.55	226520	1010.1042 ng/ml
Methamphetamine	3.101	3668834	6107.43	42.0	34196.90	173921	918.8016 ng/ml
Metoprolol	4.239	1191747	∞	96.9	∞	923643	905.5205 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
*Mirtazapine	4.341	8743088	12915.42	47.3	120603.85	356836	1826.4016 ng/ml
Mitragynine	5.078	727939	27890.06	38.3	31508.39	226520	1010.7441 ng/ml
Morphine	1.160	448254	7514.84	24.3	816.01	5378	938.9919 ng/ml
Norbuprenorphine	4.903	12183	750.56	83.2	27791.46	5757	105.3710 ng/ml
Nordiazepam	5.868	3010776	32556.79	57.9	2084.78	103838	970.6172 ng/ml
*Norfentanyl	4.000	1009155	1399.99	37.4	51475.40	710351	68.2389 ng/ml
Norhydrocodone	2.959	431003	∞	42.7	∞	35810	1112.6429 ng/ml
Noroxycodone	2.783	3111789	3101.11	47.6	4653.02	109285	968.0787 ng/ml
O-desmethyl-tramadol	3.274	20333211	934981.50	5.9	3163.41	1098363	1004.2614 ng/ml
Oxazepam	5.731	2355563	∞	73.2	5975.75	173890	867.7078 ng/ml
Oxycodone	2.693	9099790	6247.23	31.0	2825.12	450997	981.6044 ng/ml
Oxymorphone	1.310	2762179	2389.55	50.5	2922.09	113297	927.1051 ng/ml
Phentermine	3.671	1860293	16252.92	2.8	3504.25	287755	859.2754 ng/ml
Promethazine	5.474	3492737	4134.69	30.5	4734.82	150803	1044.6394 ng/ml
Quetiapine	5.383	6279887	2585.10	58.9	4851.56	79376	1022.9432 ng/ml
Sertraline	5.730	436272	1215.99	89.9	1902.49	19799	947.0451 ng/ml
Temazepam	5.798	10640490	43370.81	28.4	26742.84	557870	1033.3898 ng/ml
Tramadol	4.153	15836240	257417.90	3.3	8114.42	923643	923.9341 ng/ml
Trazodone	4.715	7633550	634306.98	78.4	544680.64	313541	1009.7360 ng/ml
Venlafaxine	4.946	15418463	∞	35.2	3147.93	767599	996.9040 ng/ml
Zolpidem	4.514	19510601	319510.68	31.0	226401.32	1063185	889.9622 ng/ml

*Outside curve range

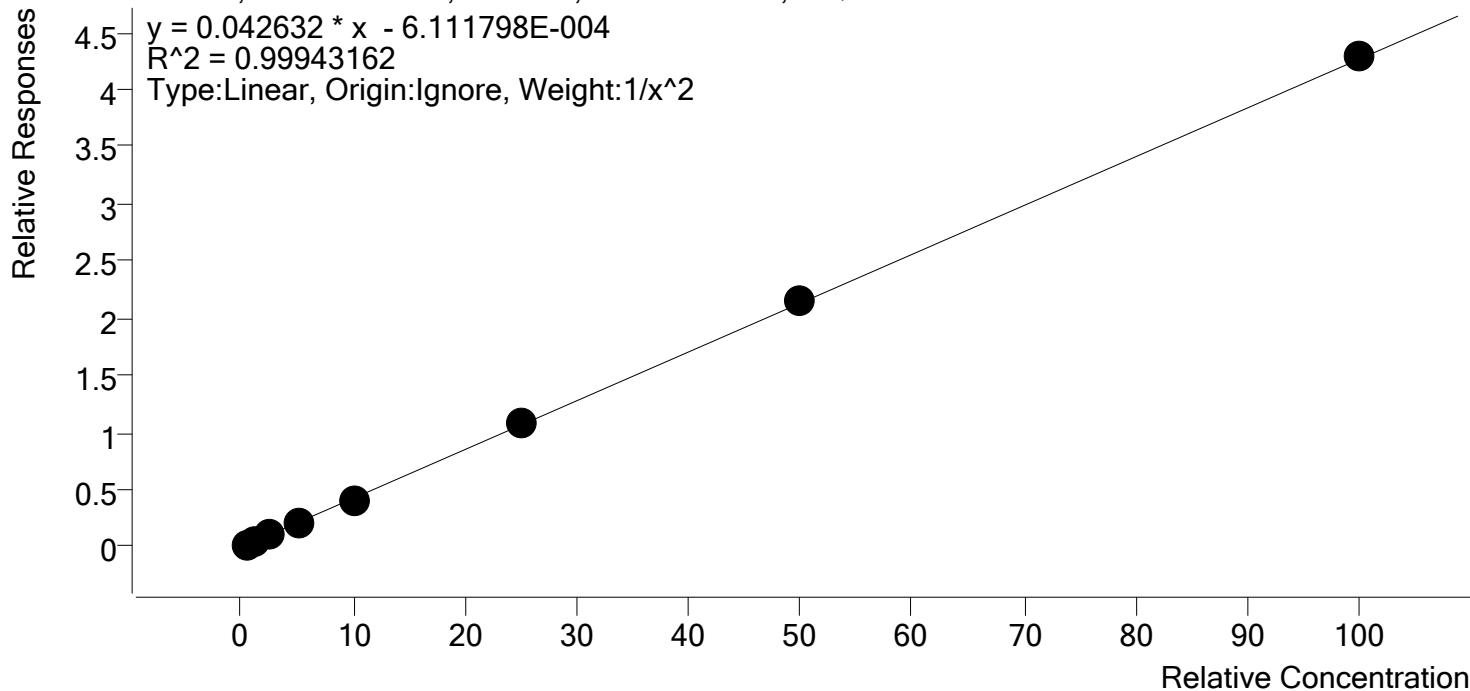
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

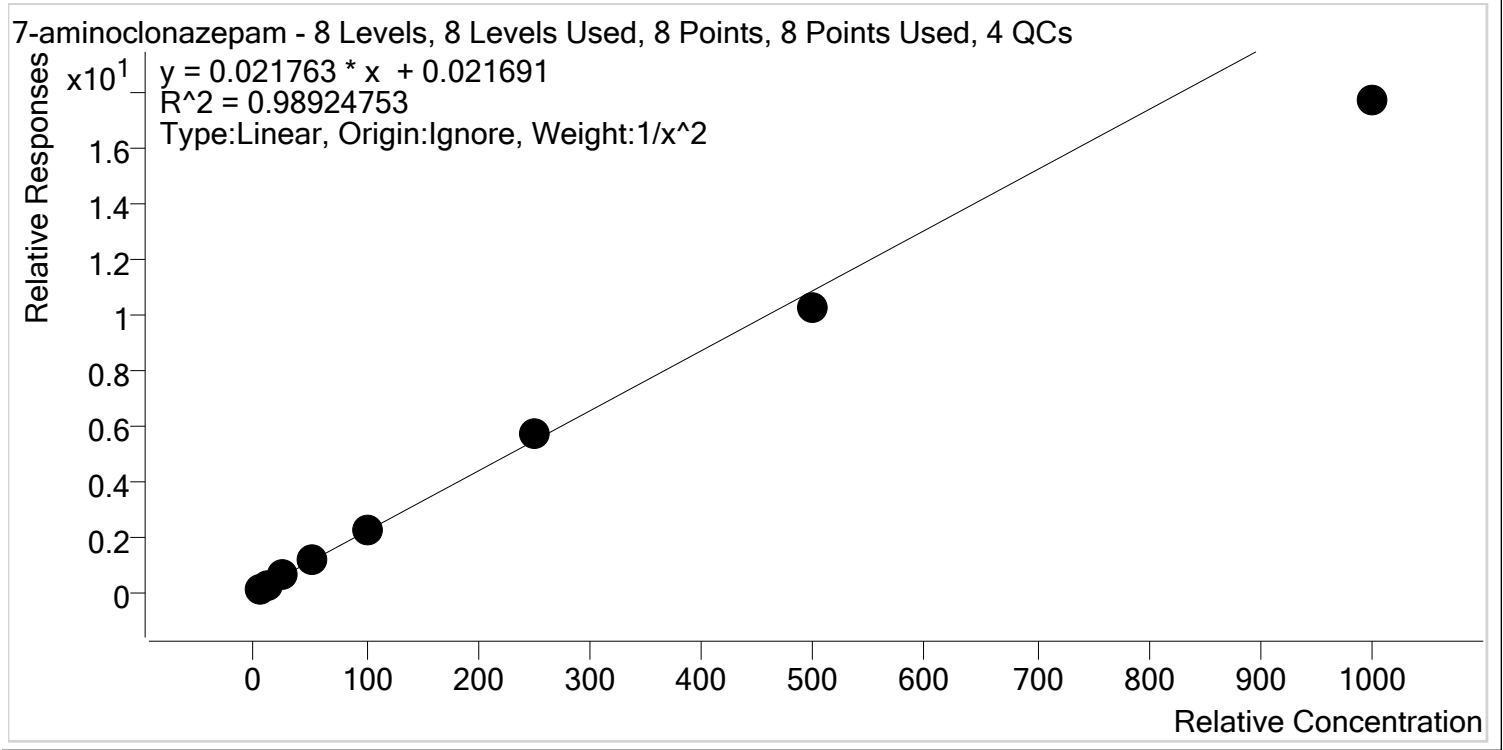


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.5
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	9.7	96.9
p1 Cal 6-250ng	6	✓	25.0	25.8	103.3
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	100.5	100.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



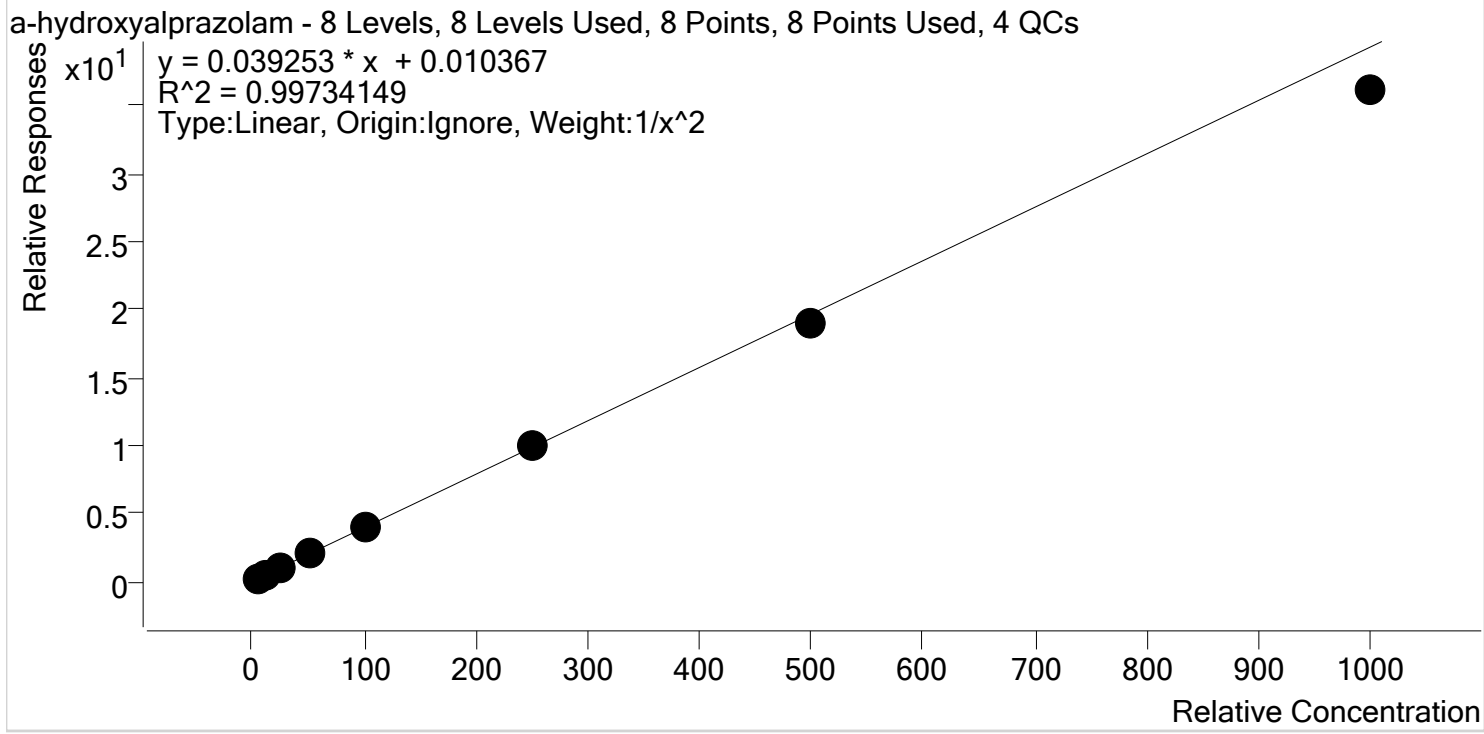
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	261.4	104.6
p1 Cal 7-500ng	7	✓	500.0	470.8	94.2
p1 Cal 8-1000ng	8	✓	1000.0	815.1	81.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

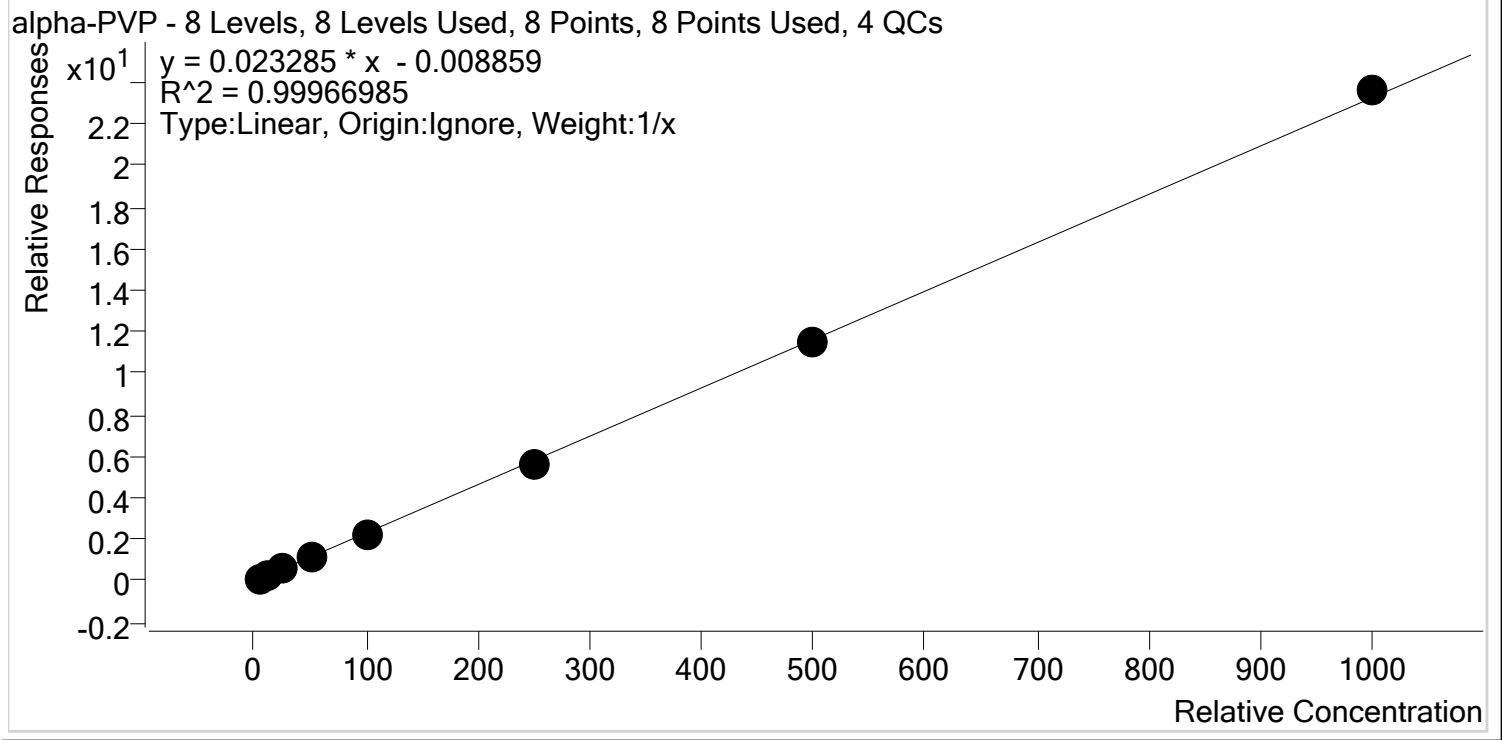


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	481.5	96.3
p1 Cal 8-1000ng	8	✓	1000.0	919.1	91.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

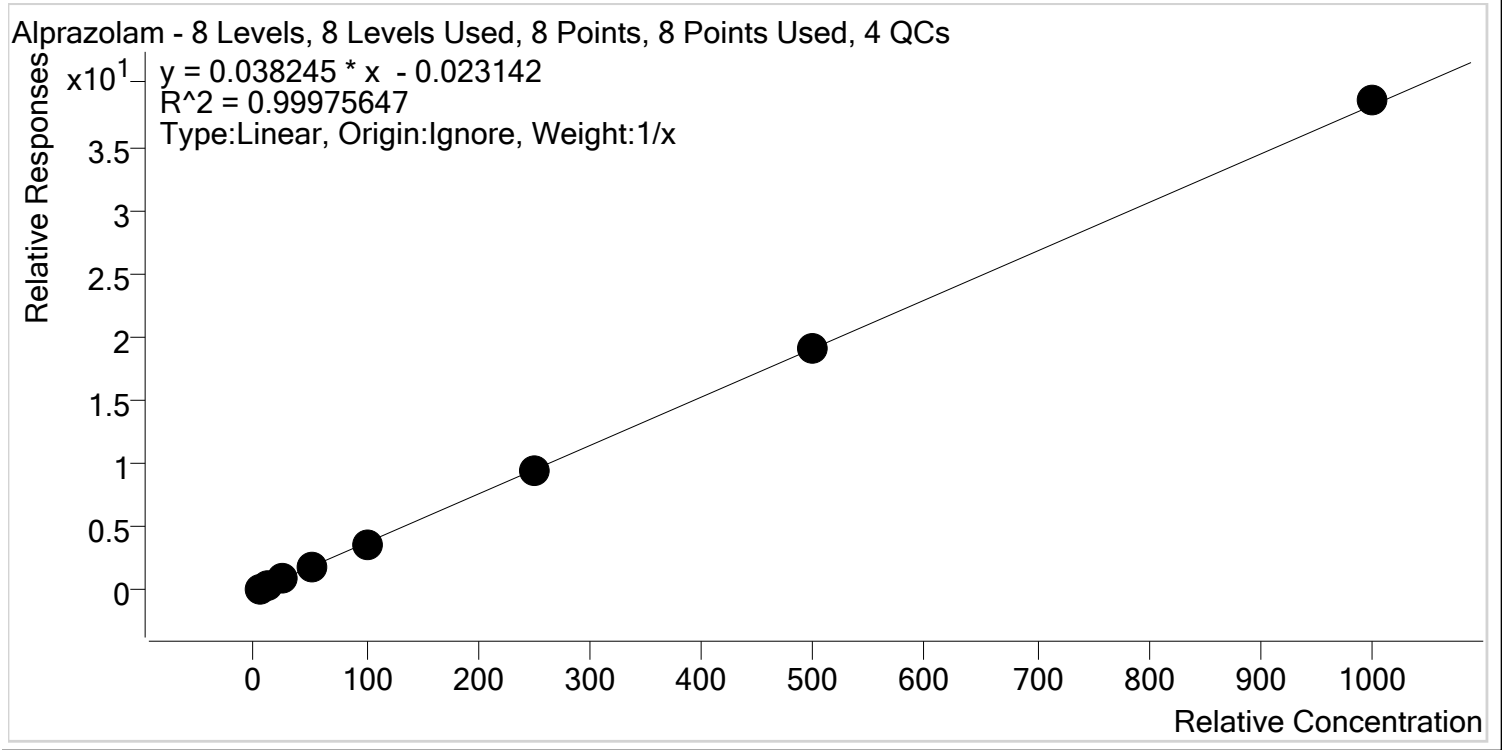


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1014.7	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



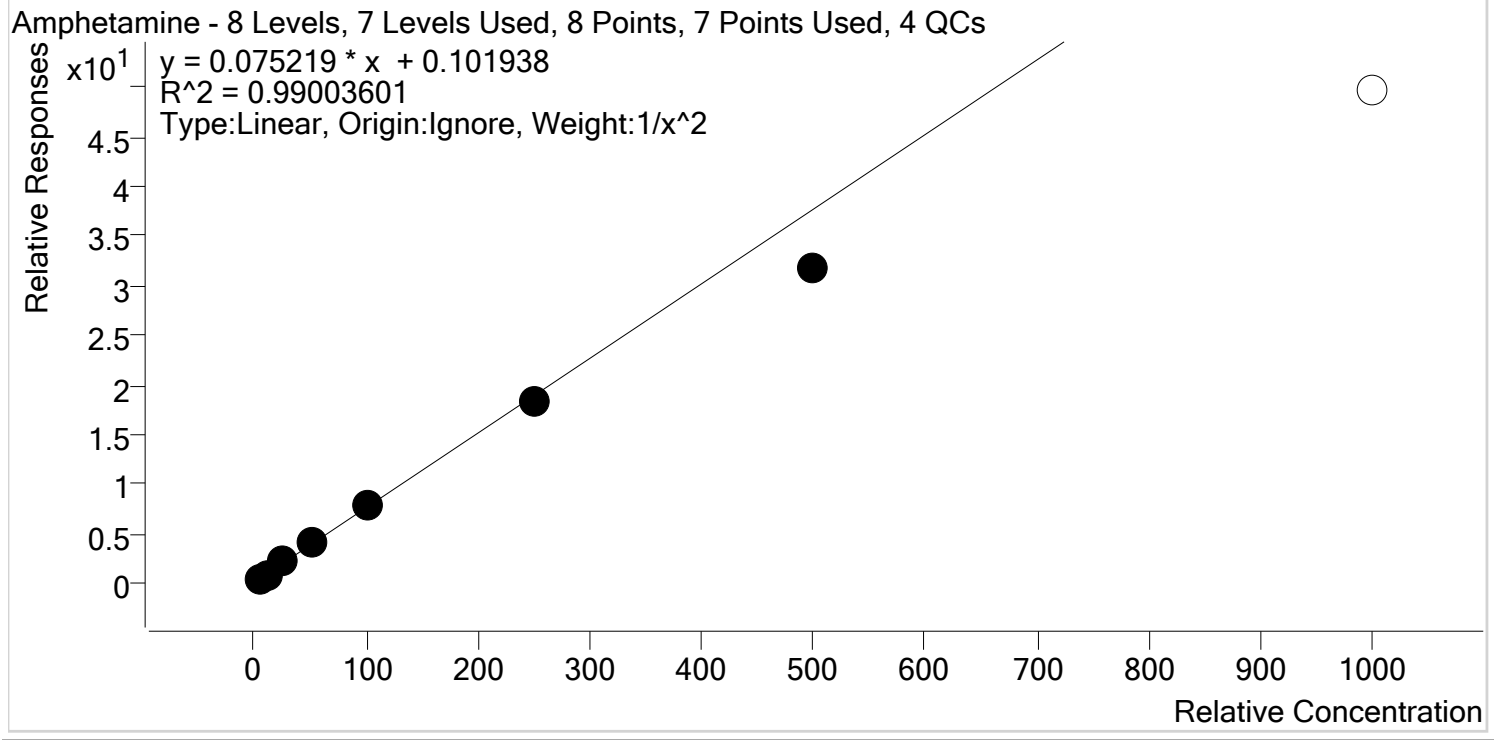
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1010.1	101.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

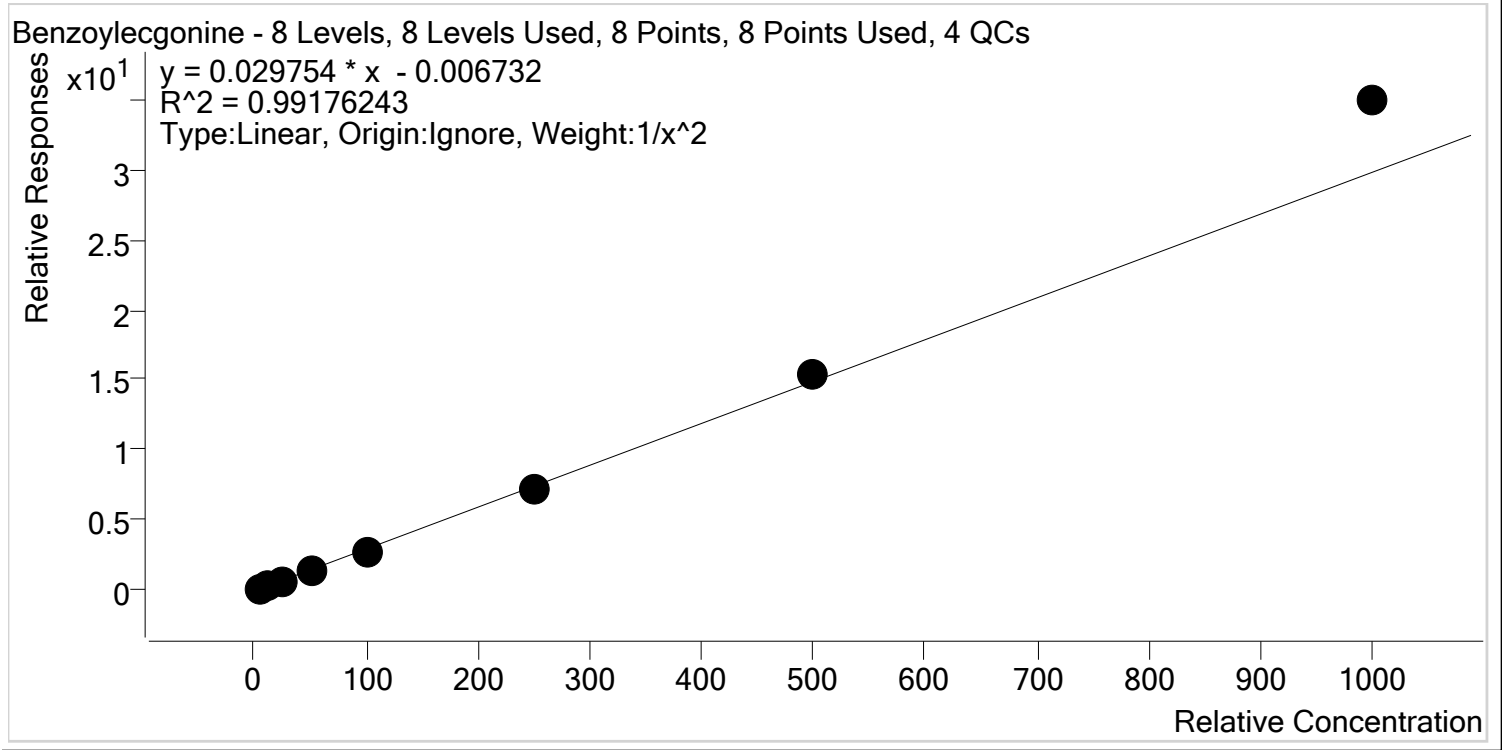


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	419.4	83.9
p1 Cal 8-1000ng	8	✗	1000.0	659.0	65.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

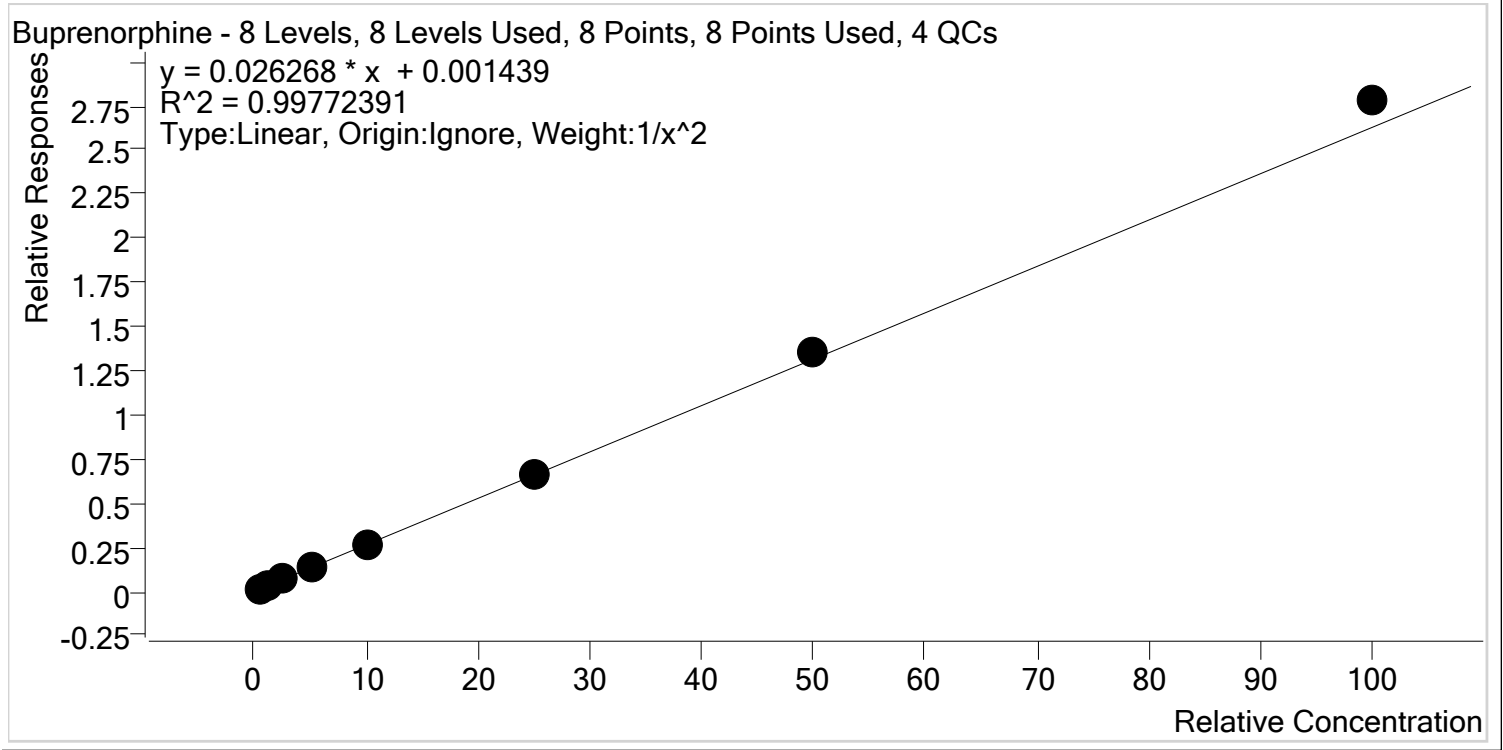


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1171.4	117.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

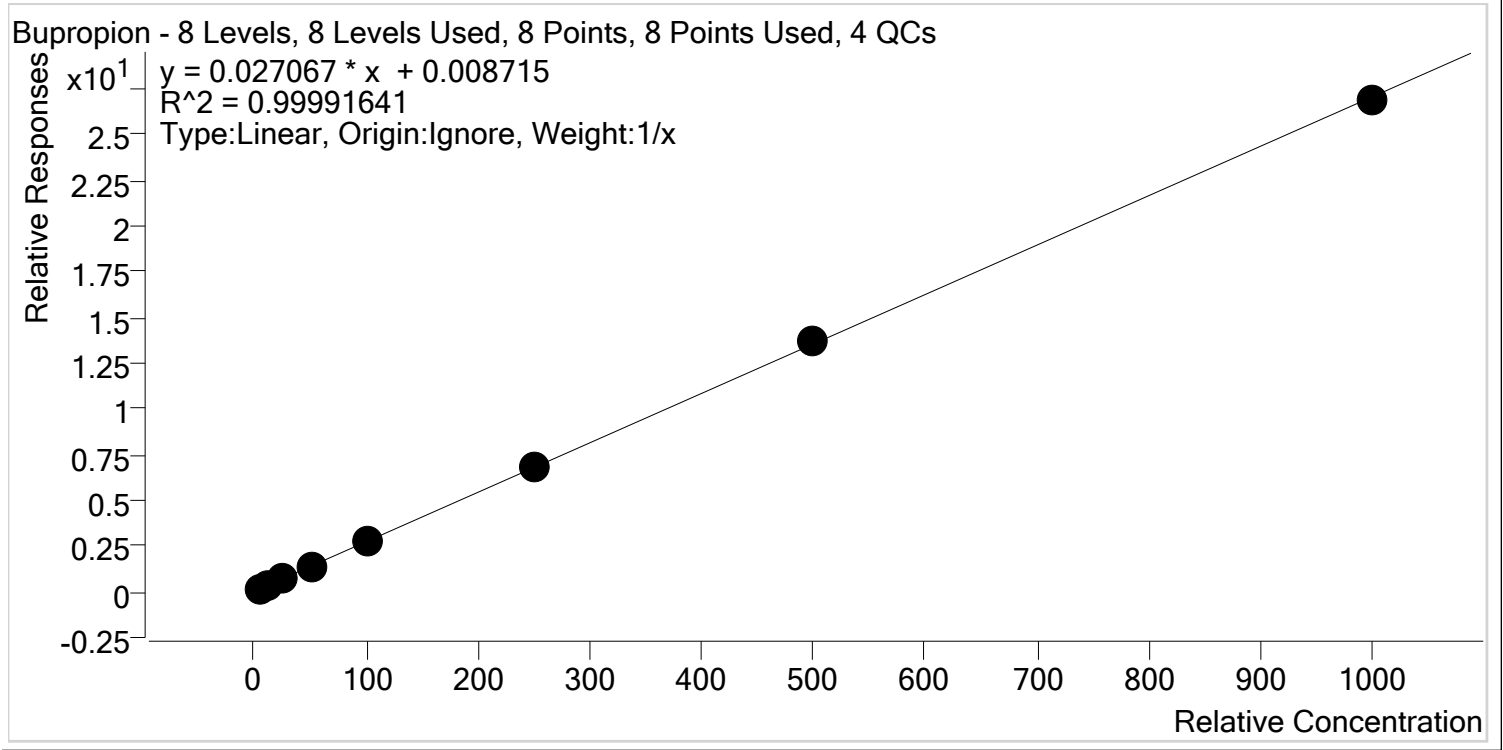


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.2
p1 Cal 4-50ng	4	✓	5.0	4.9	97.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.2
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	51.4	102.8
p1 Cal 8-1000ng	8	✓	100.0	105.8	105.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	992.5	99.2

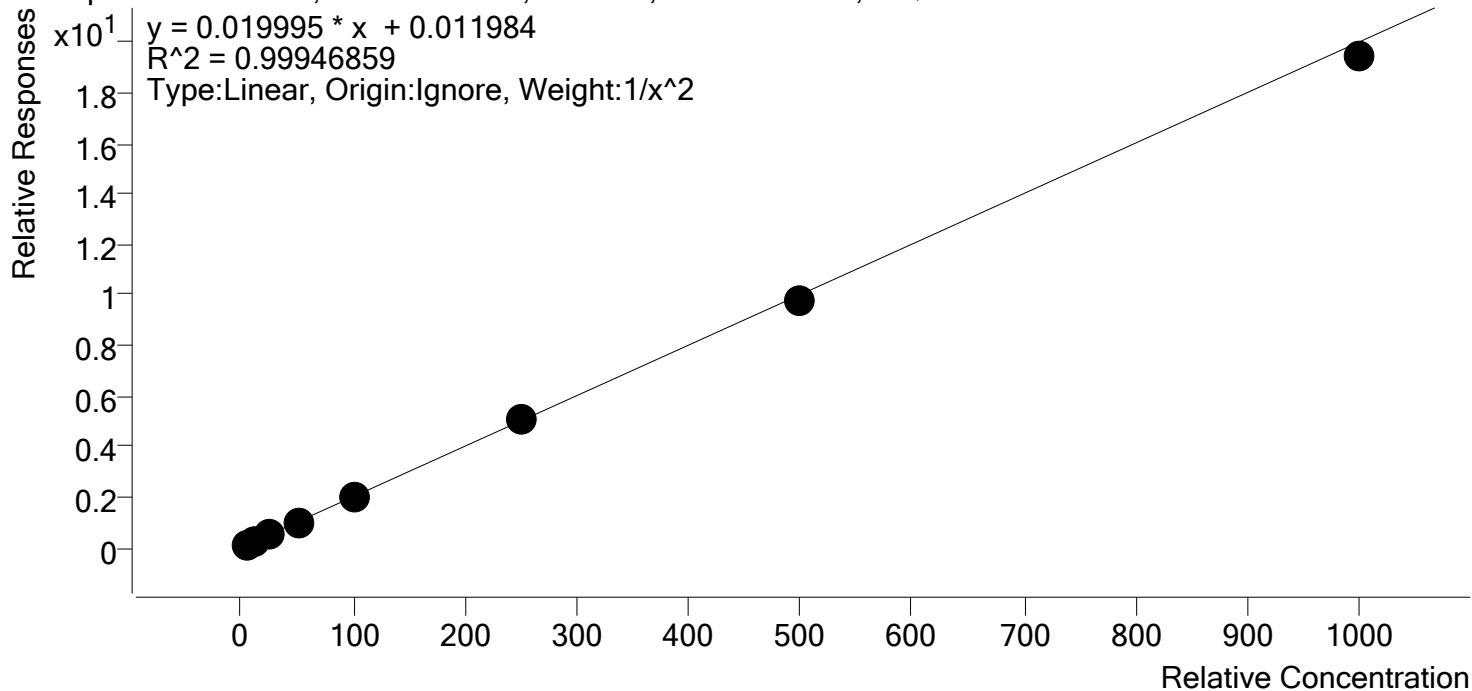
S



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

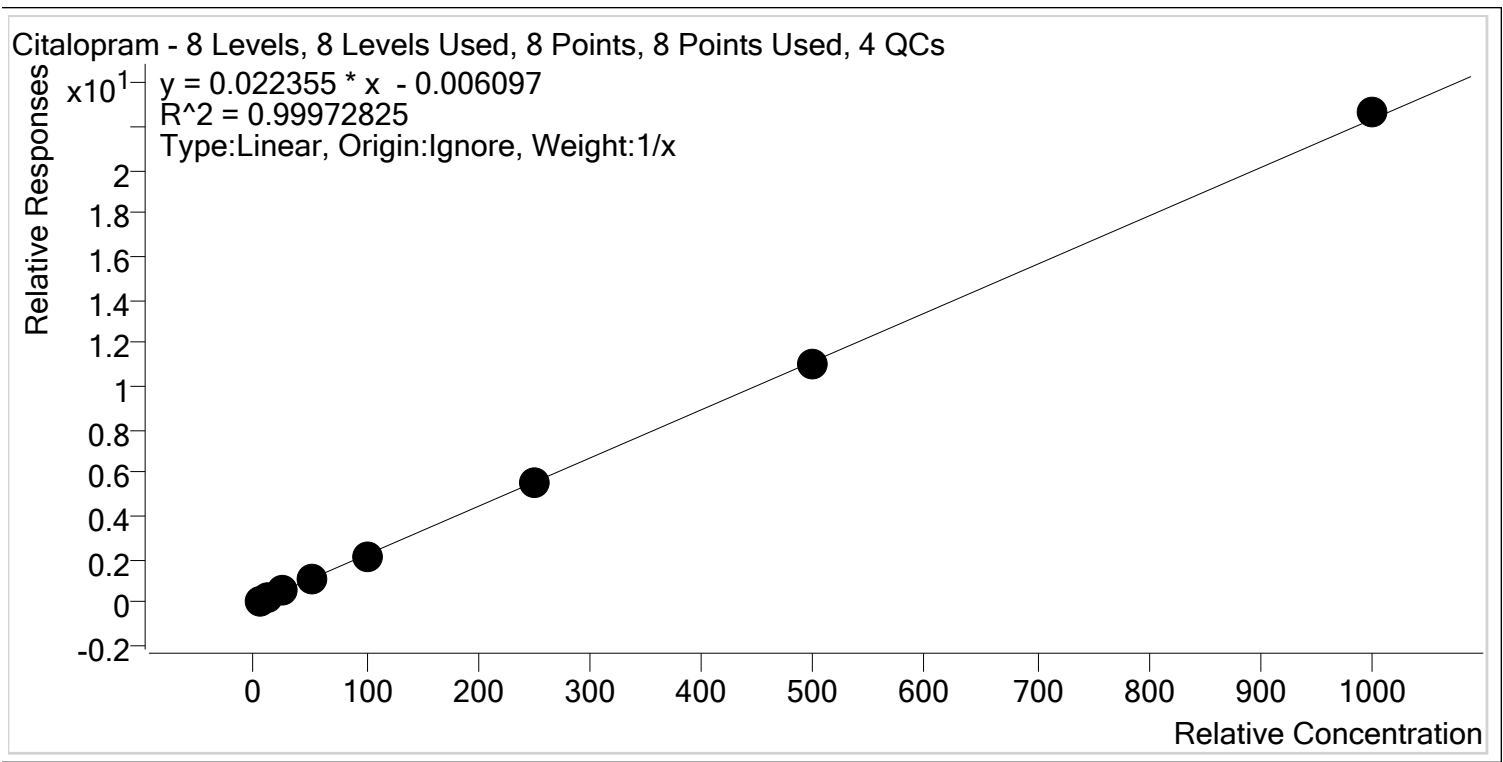


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	971.1	97.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



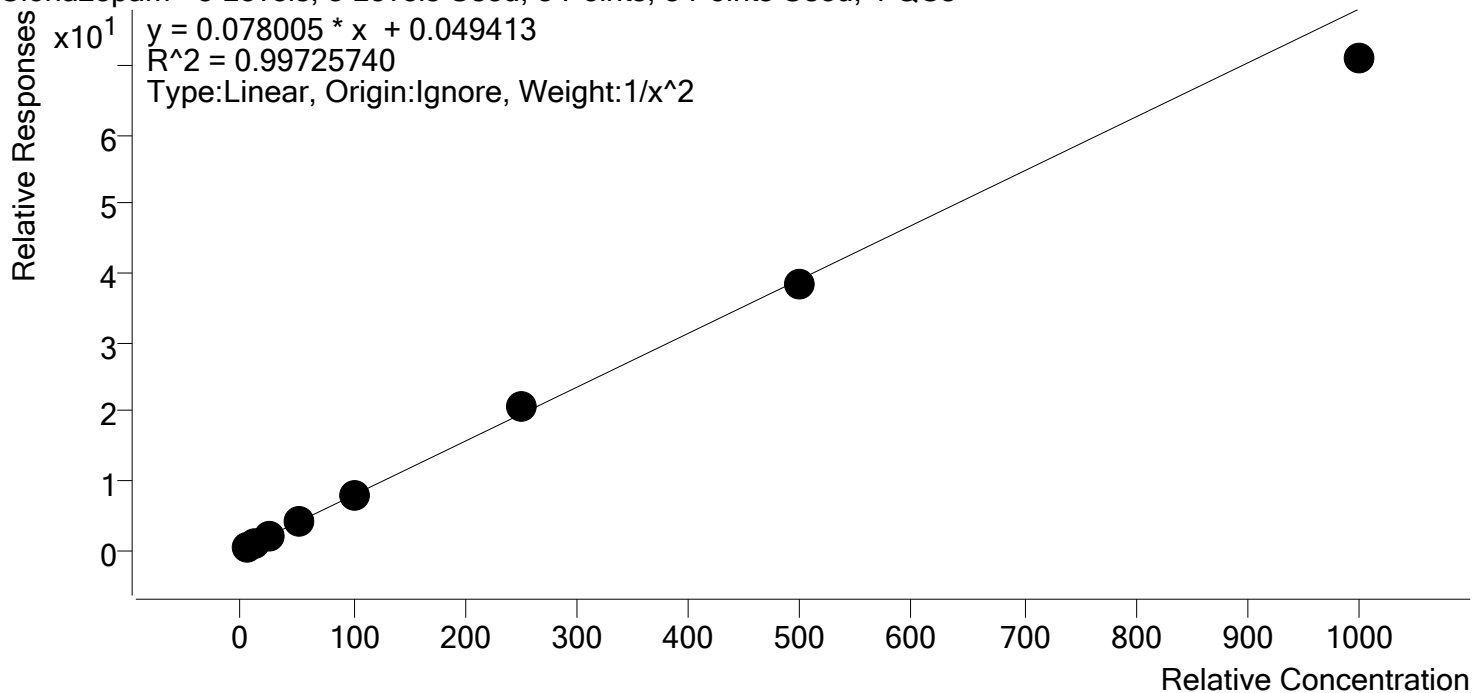
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1013.9	101.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

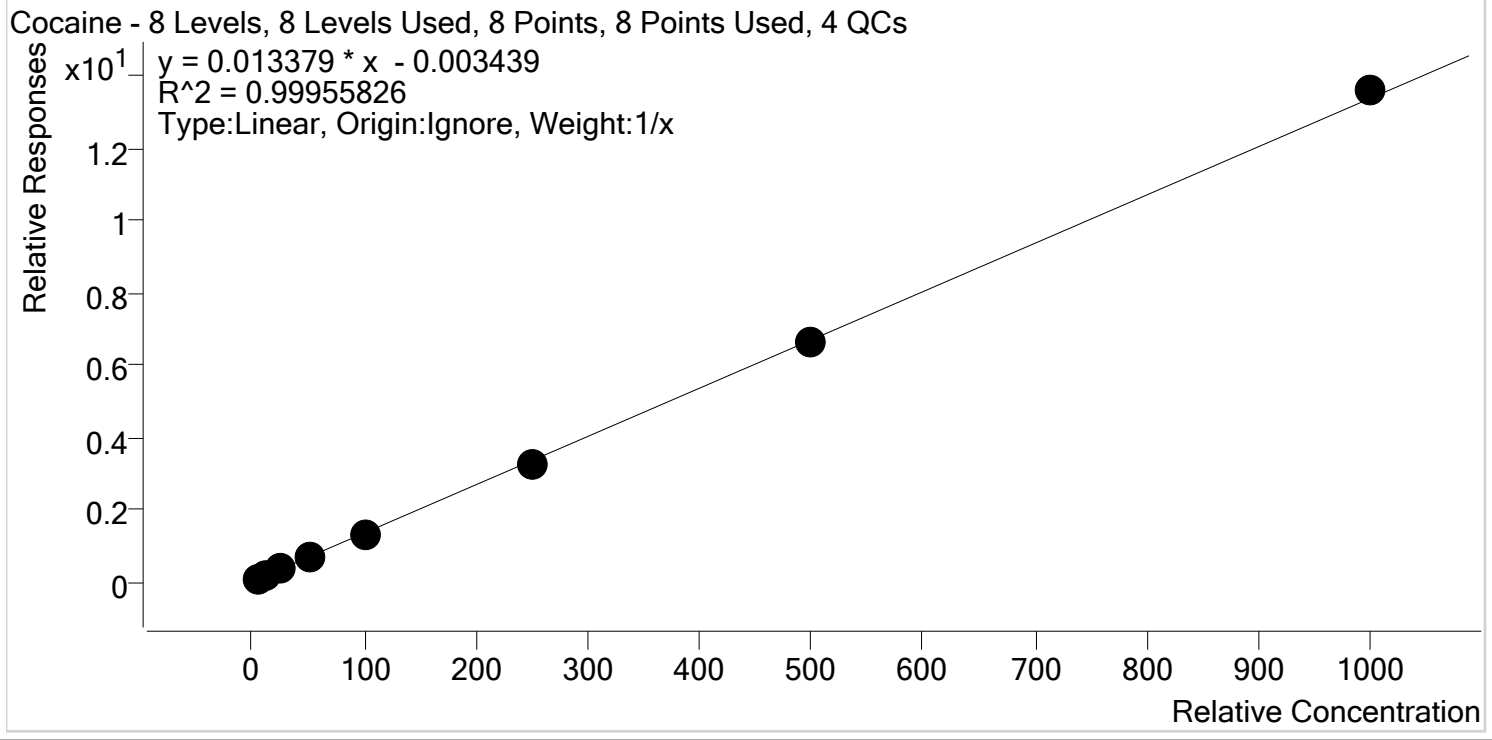


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	908.3	90.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

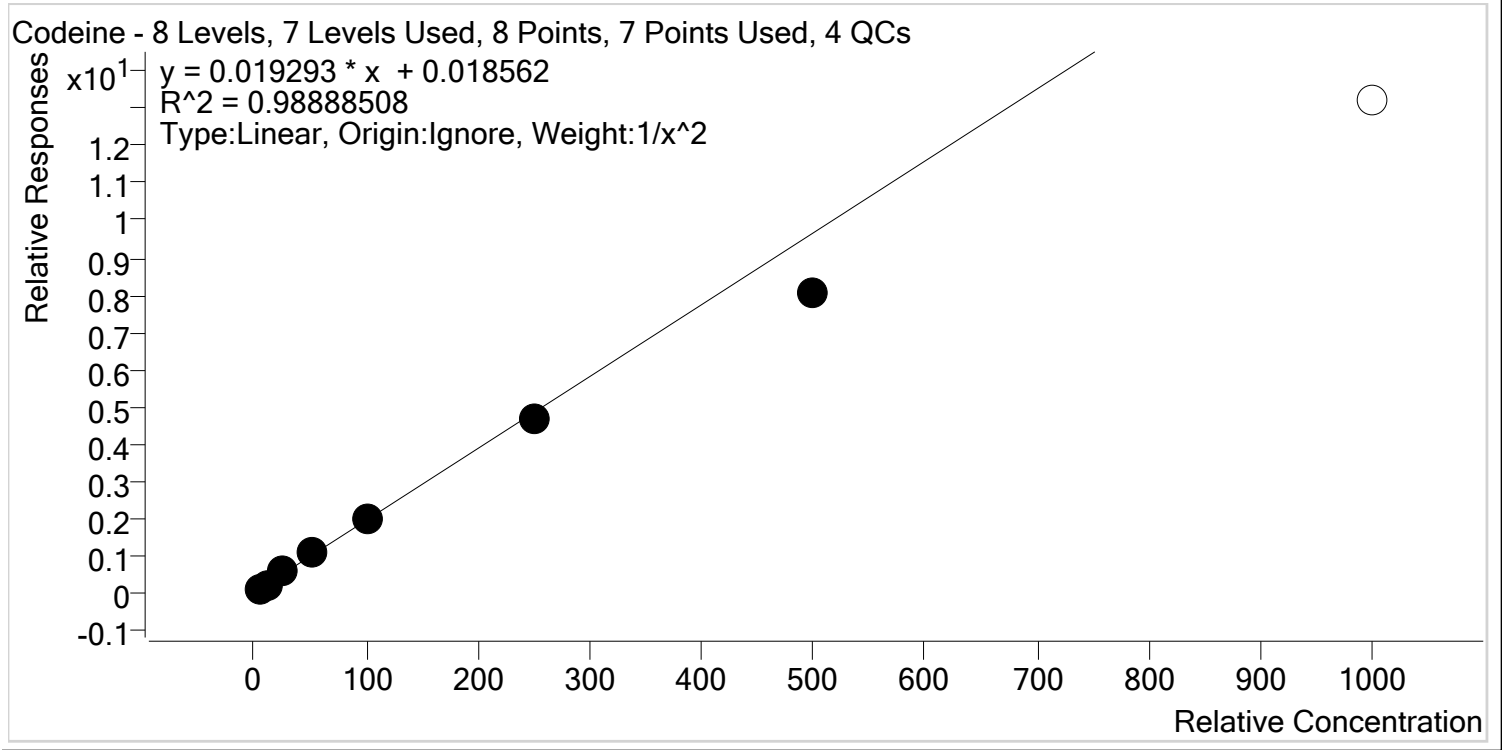


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1016.3	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



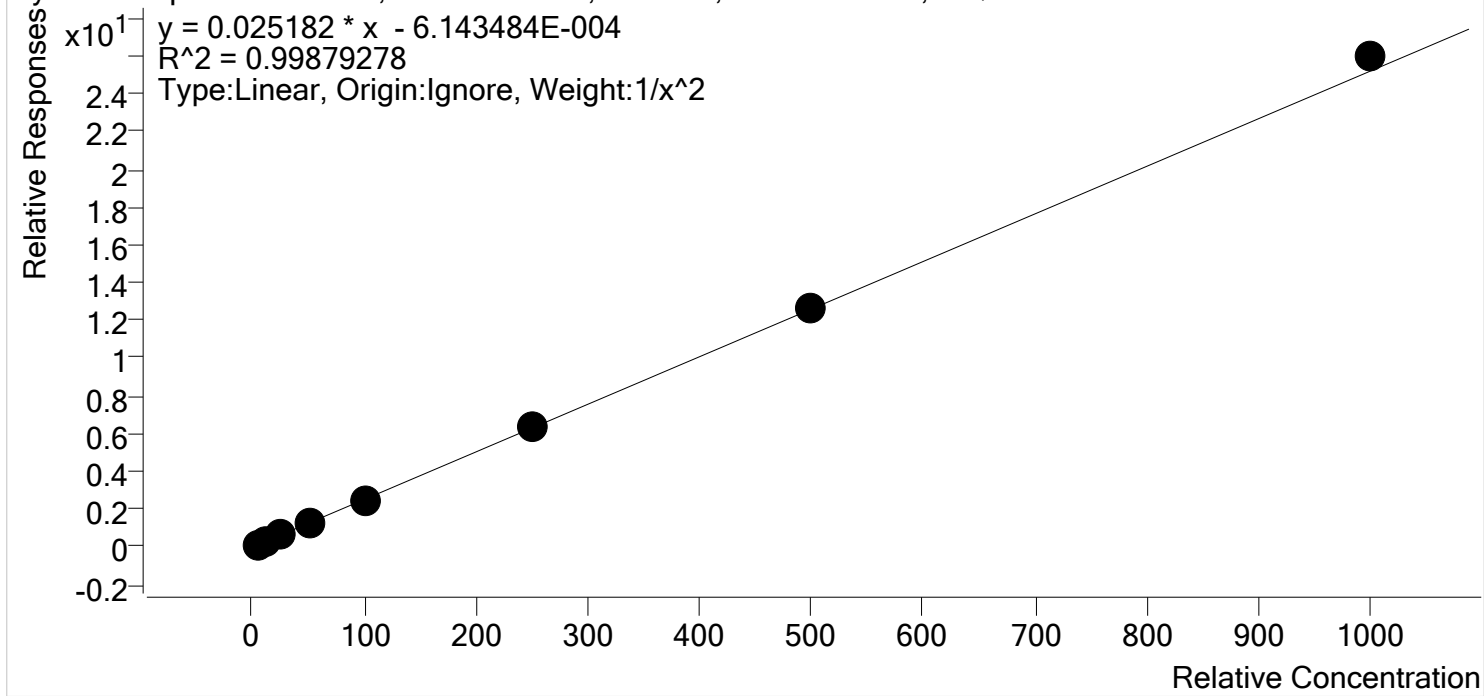
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	419.0	83.8
p1 Cal 8-1000ng	8	✗	1000.0	684.0	68.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

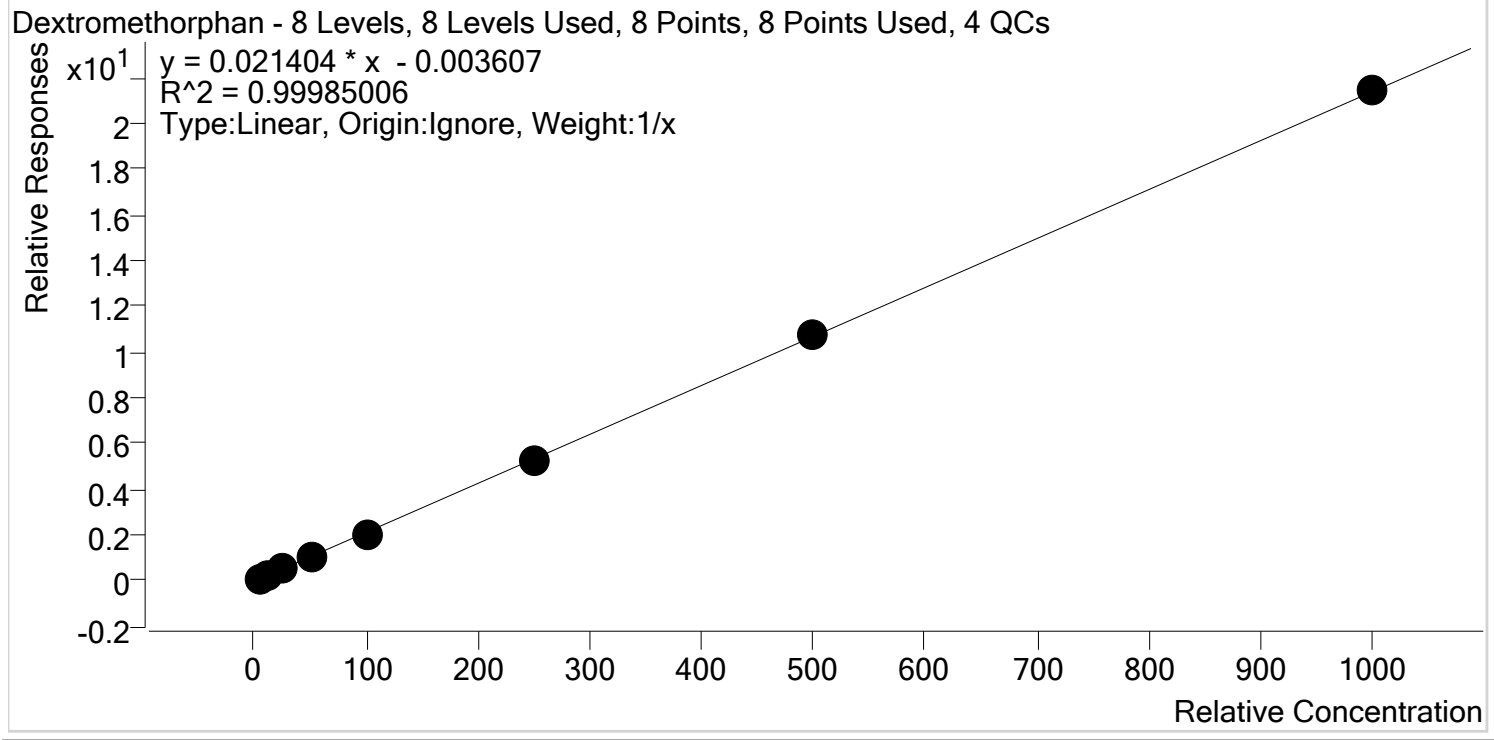


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1030.7	103.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

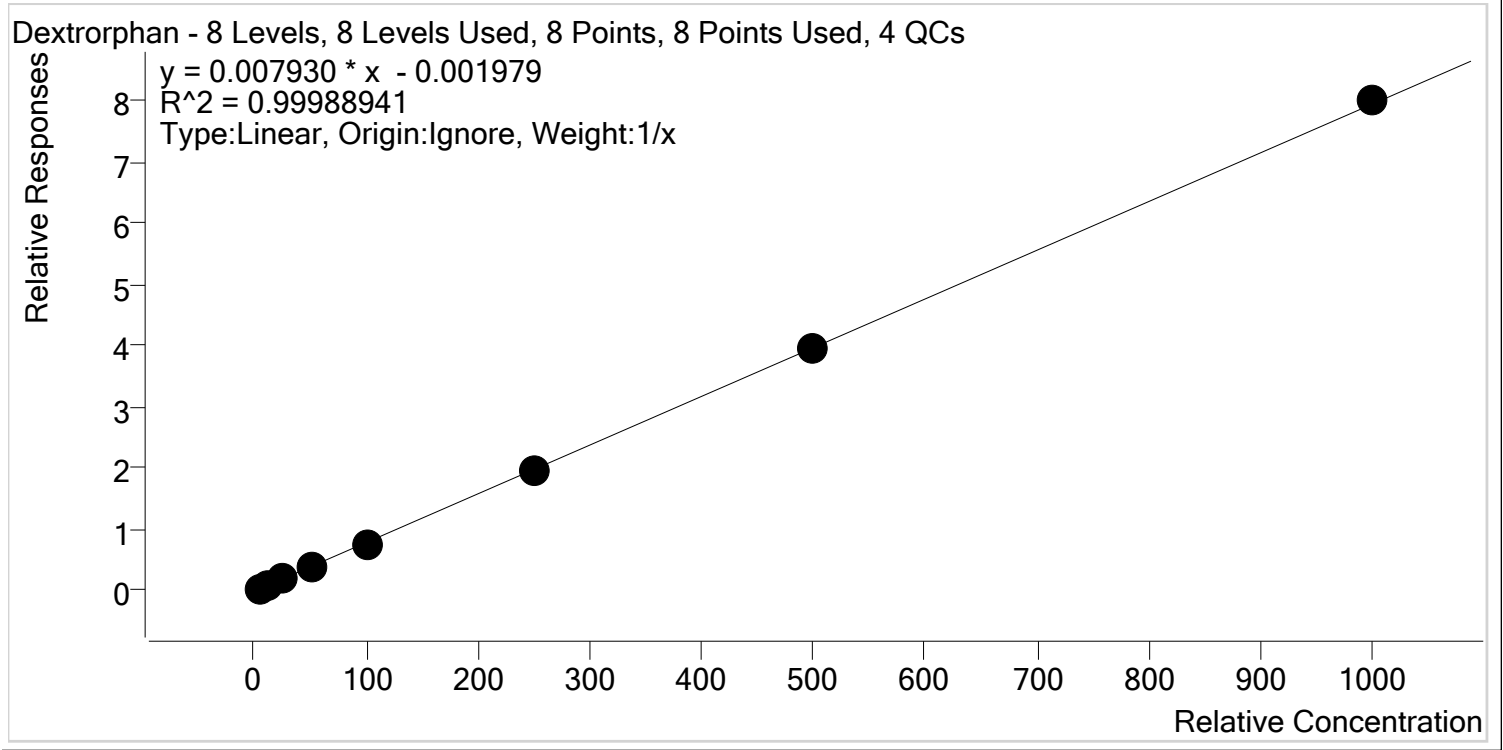


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1002.4	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Dextrophan Internal Standard Dextrophan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.4	100.7

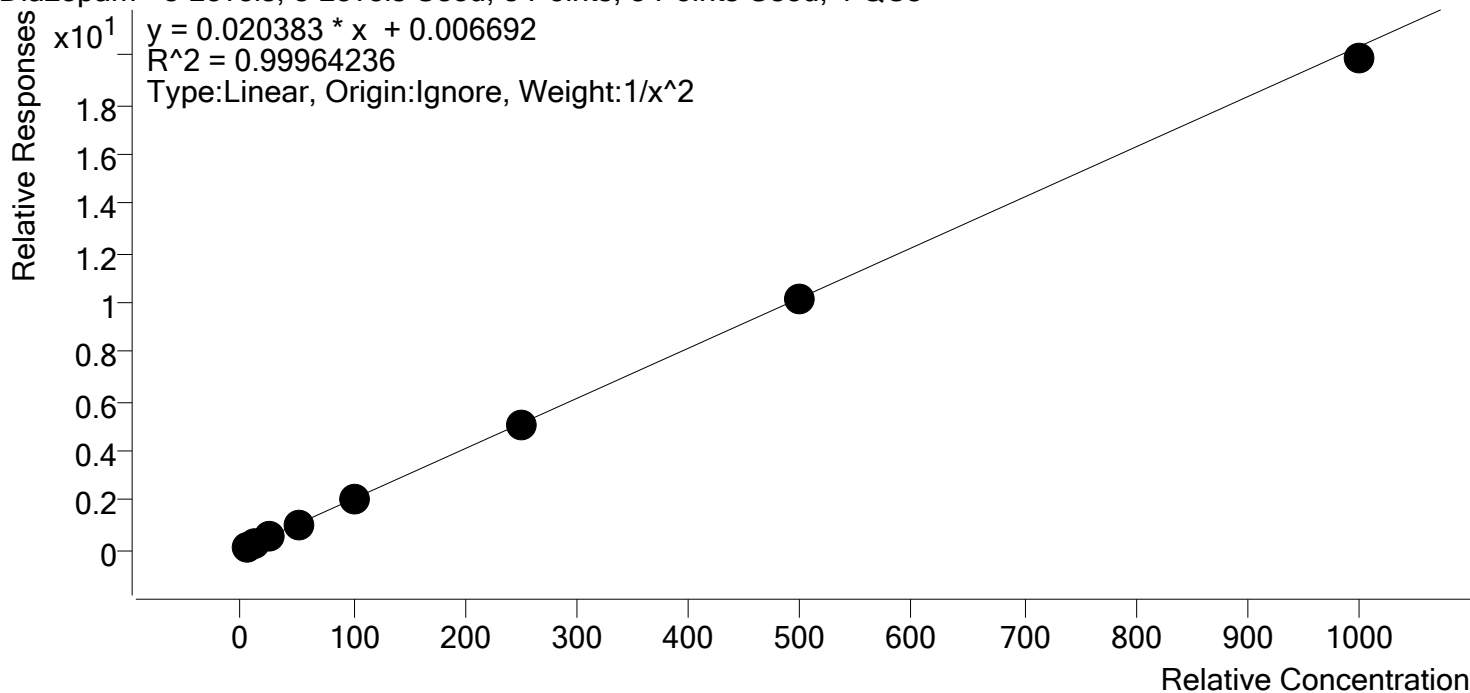
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



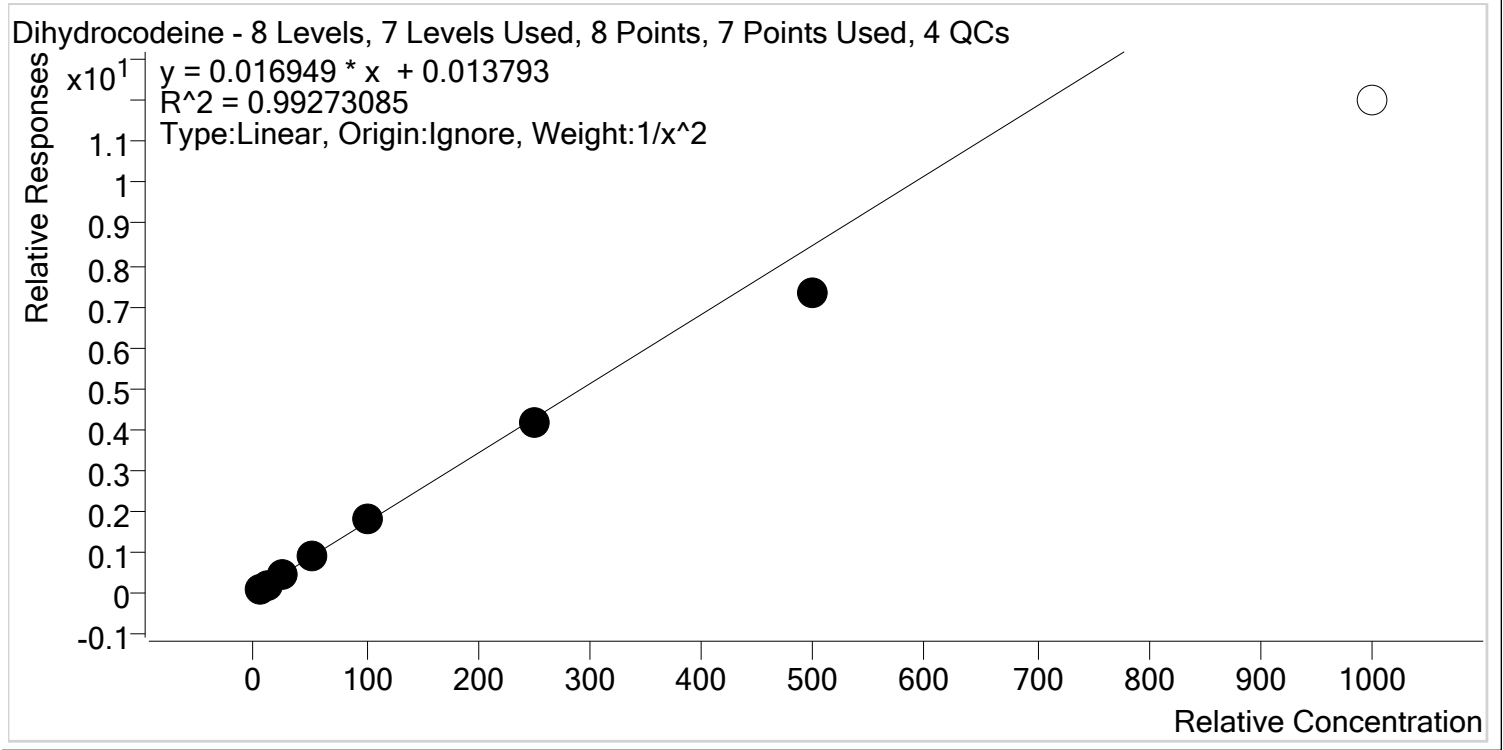
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	976.0	97.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

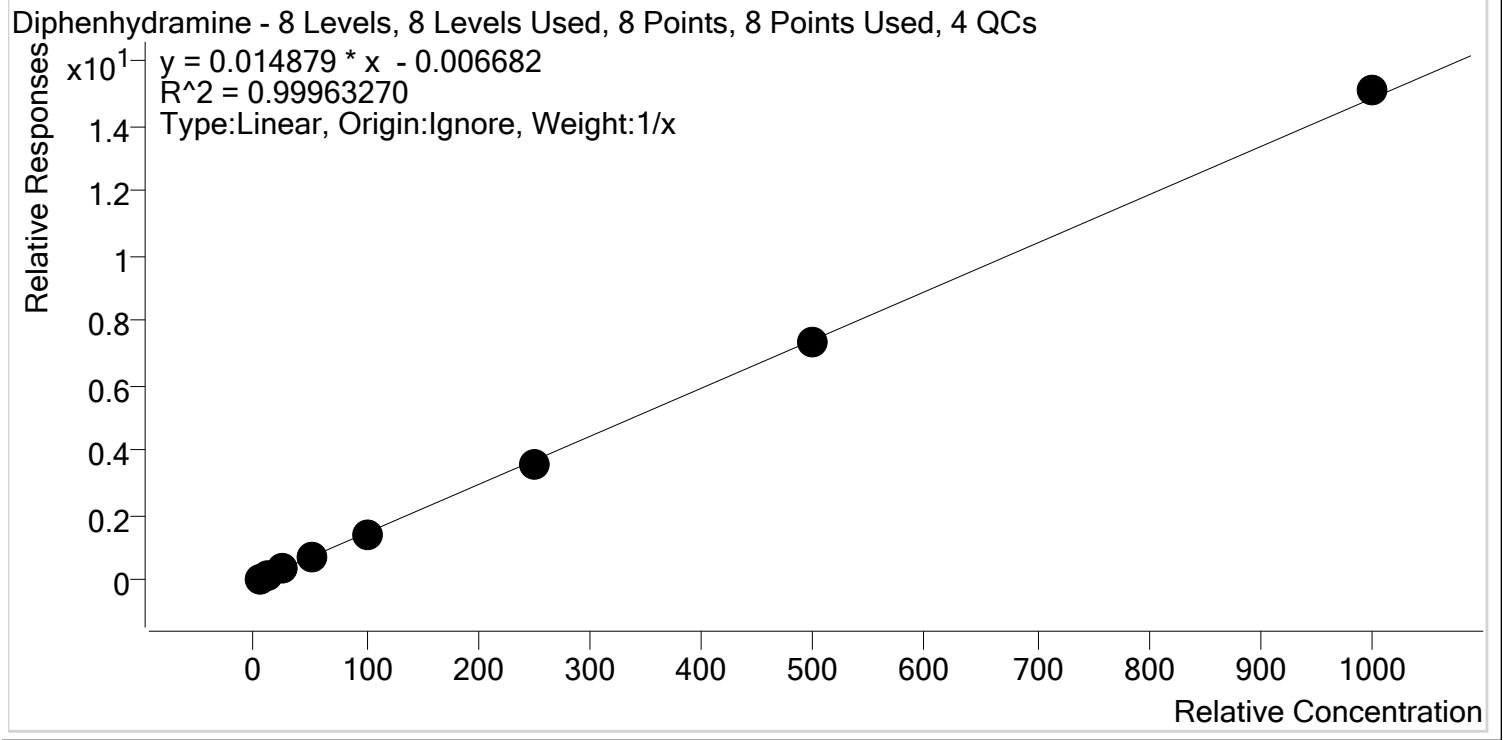


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	429.6	85.9
p1 Cal 8-1000ng	8	✗	1000.0	707.9	70.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

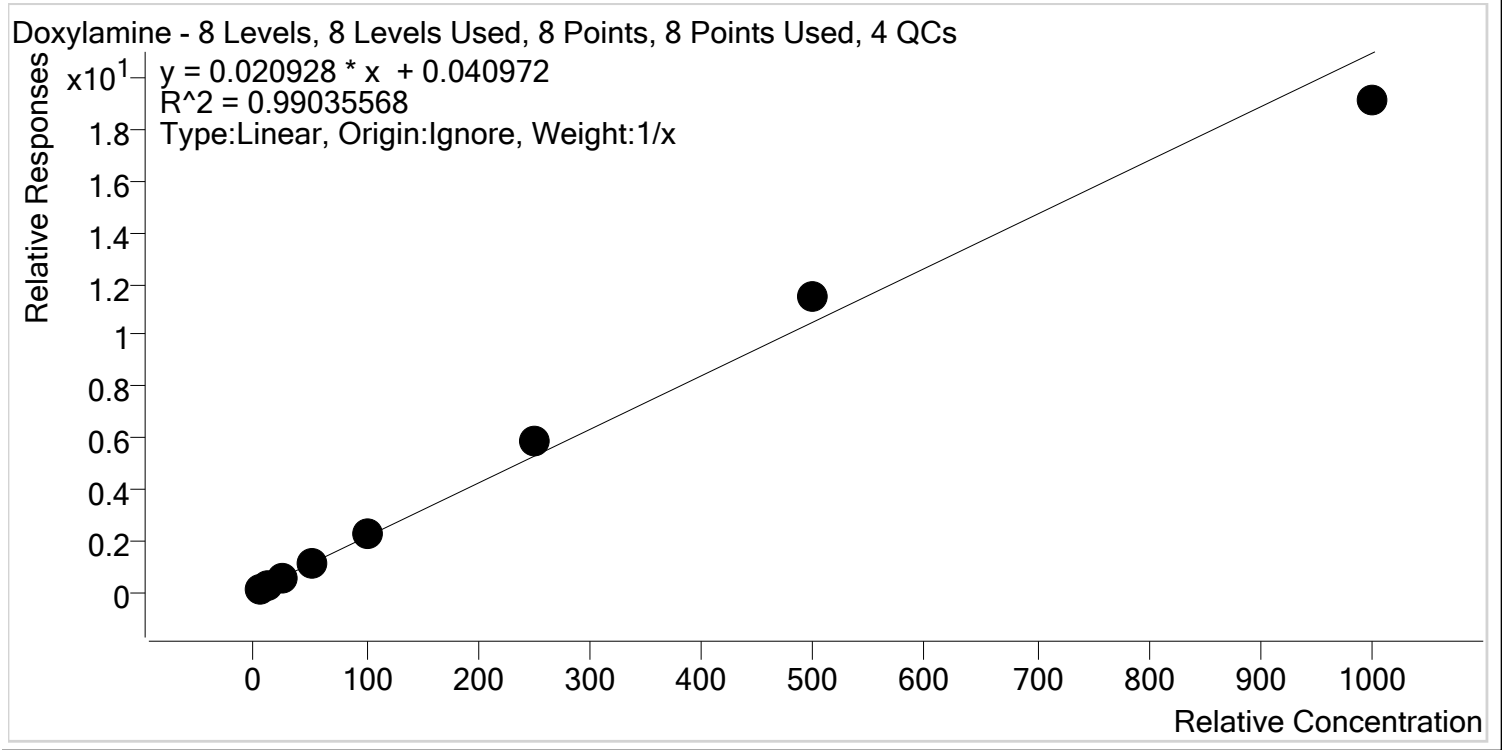


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.1	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	76.6
p1 Cal 2- 10ng	2	✓	10.0	9.2	92.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	280.6	112.2
p1 Cal 7-500ng	7	✓	500.0	546.9	109.4
p1 Cal 8-1000ng	8	✓	1000.0	911.8	91.2

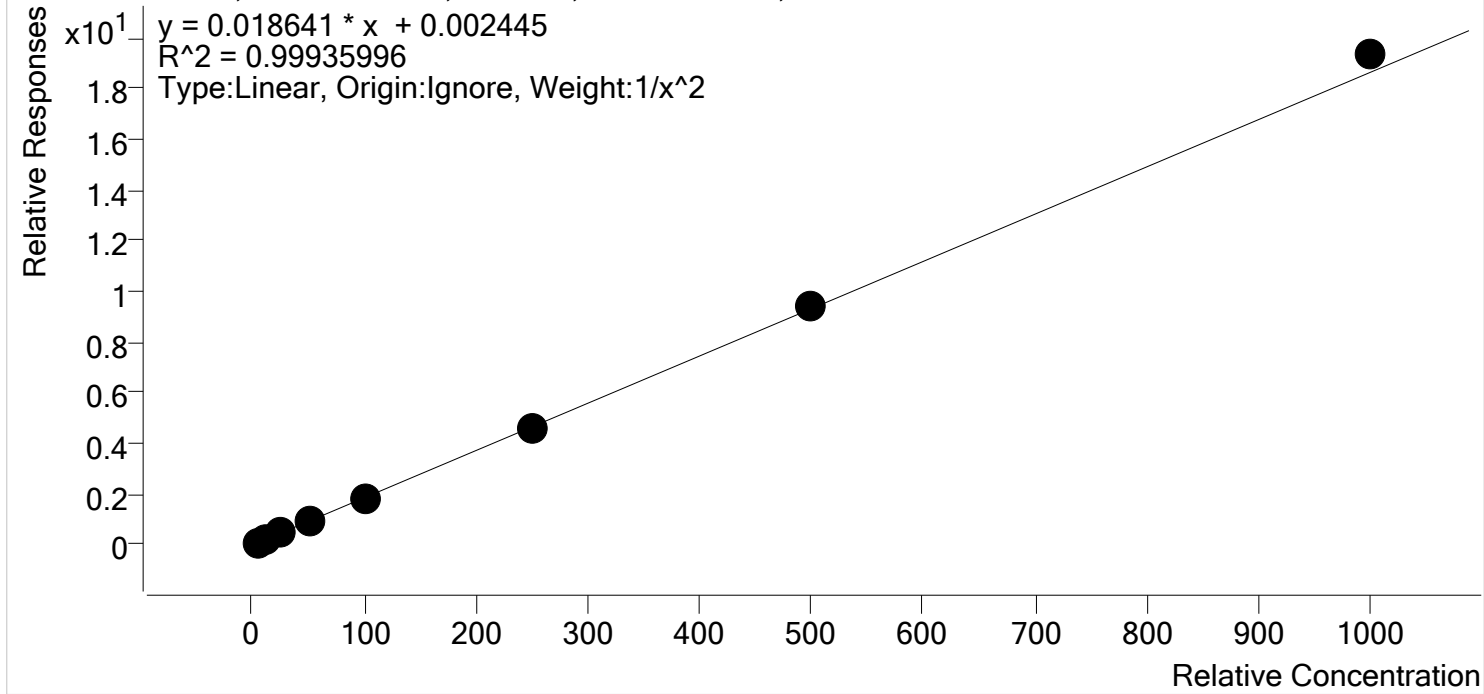
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

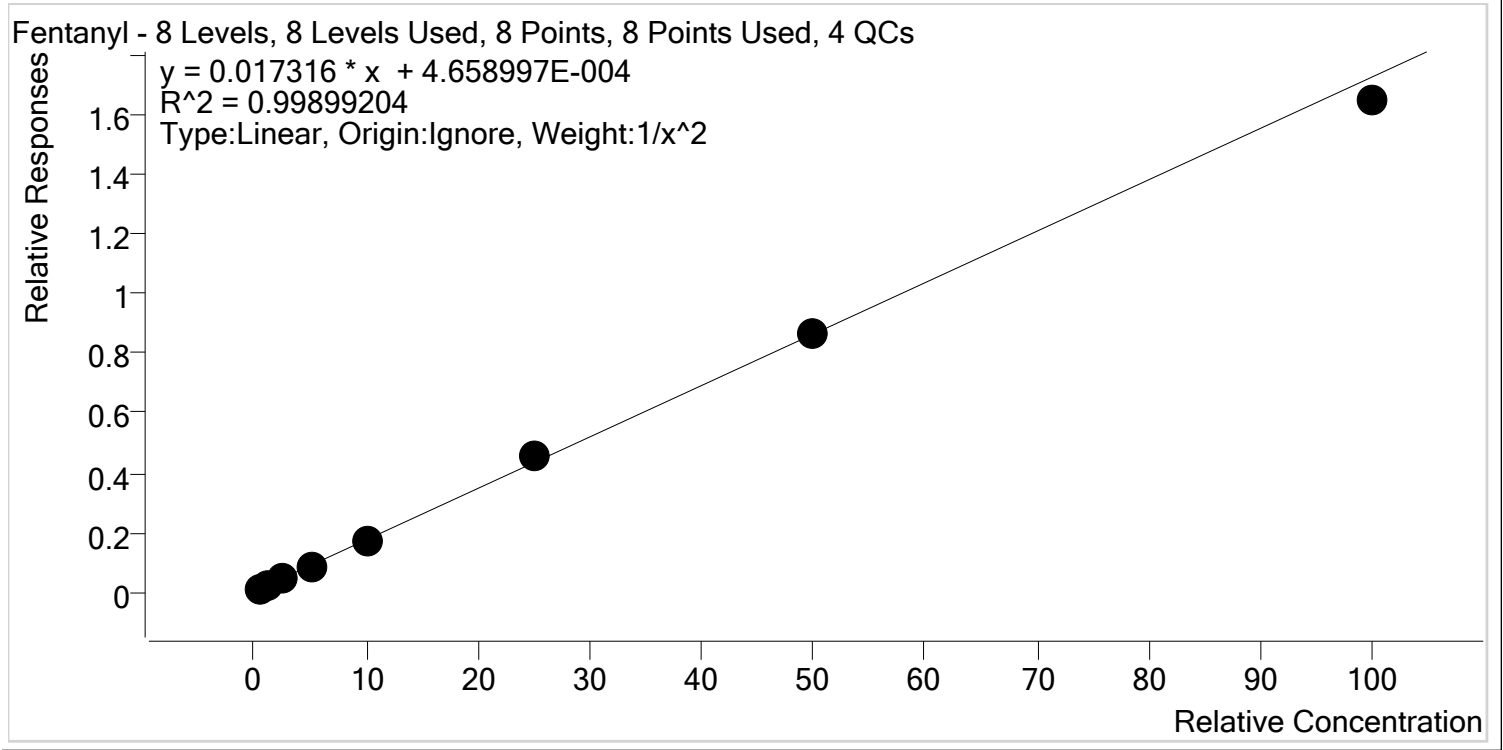


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1037.7	103.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	5.0	100.9
p1 Cal 5-100ng	5	✓	10.0	9.9	98.9
p1 Cal 6-250ng	6	✓	25.0	26.1	104.2
p1 Cal 7-500ng	7	✓	50.0	50.2	100.4
p1 Cal 8-1000ng	8	✓	100.0	95.4	95.4

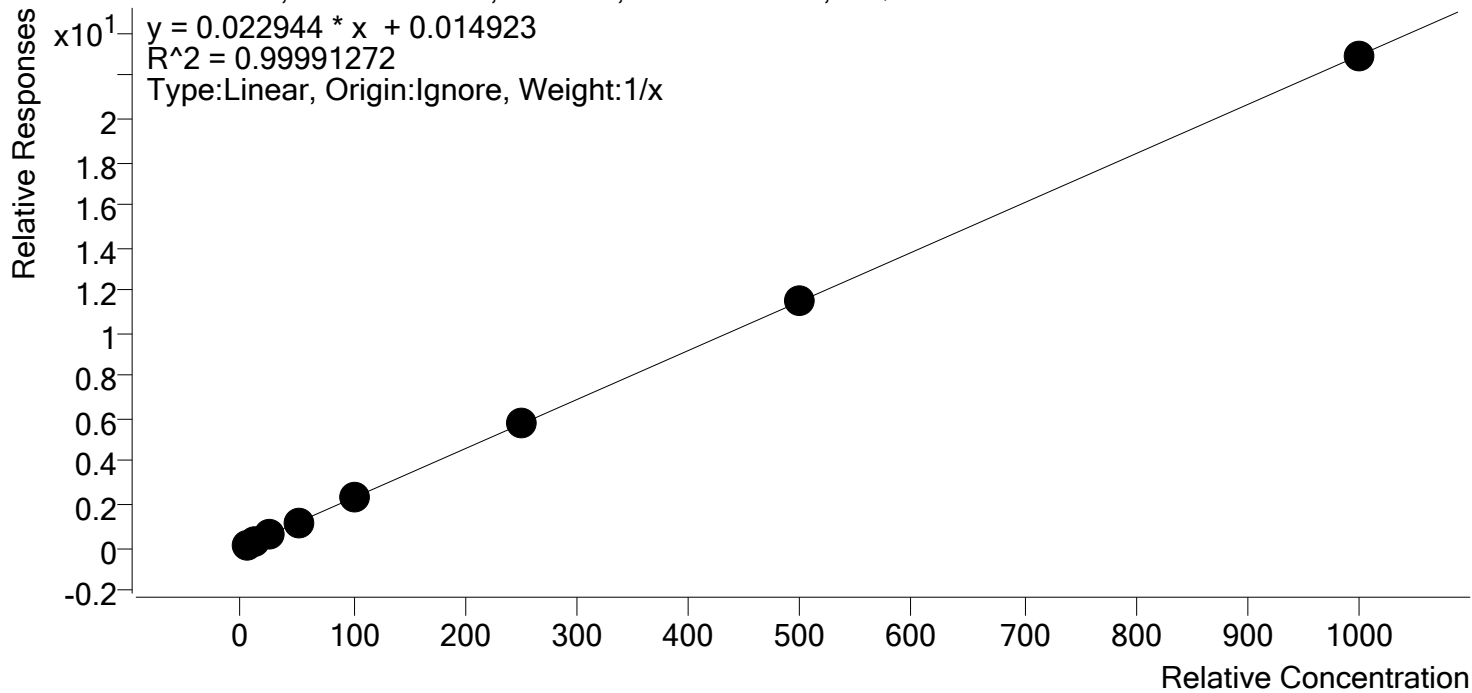
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



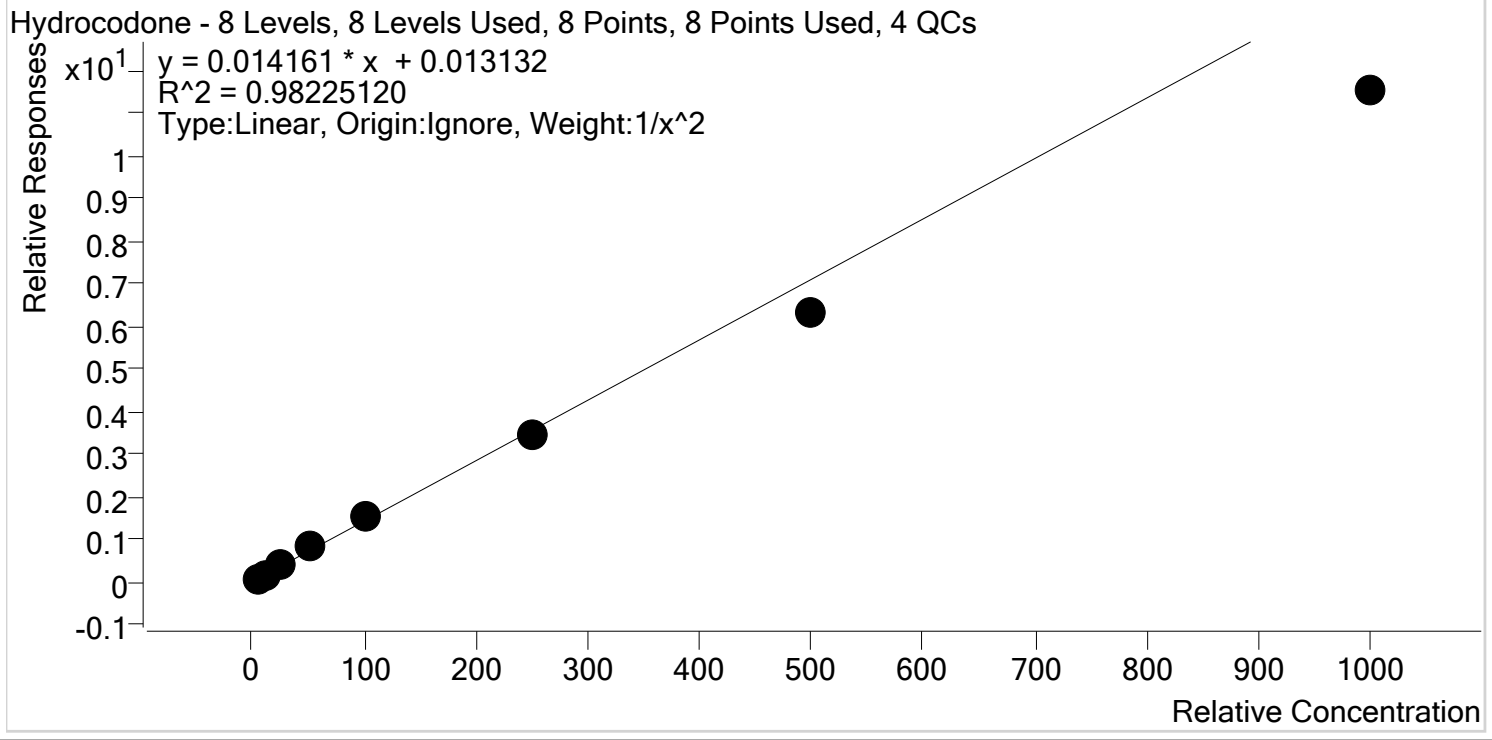
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

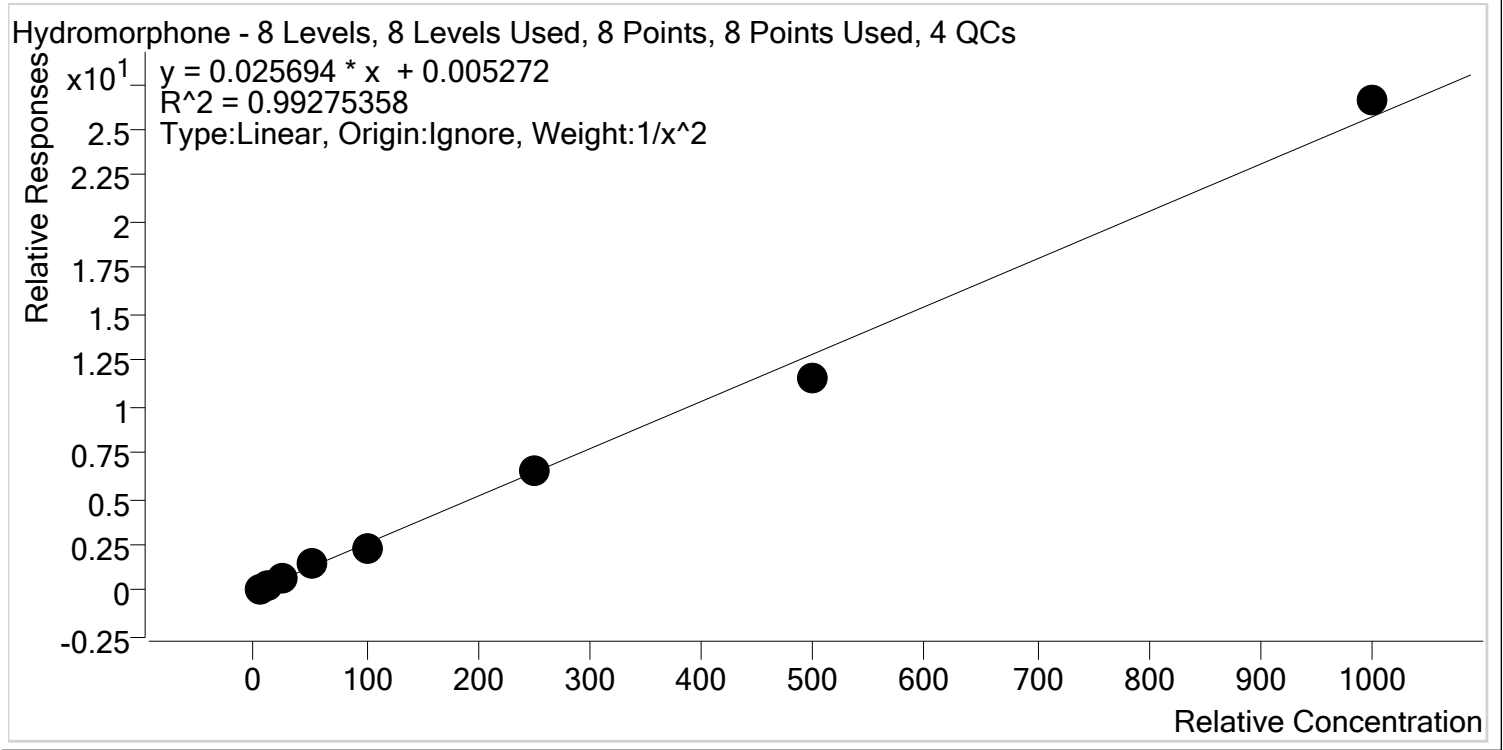


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	28.3	113.1
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	446.1	89.2
p1 Cal 8-1000ng	8	✓	1000.0	812.4	81.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

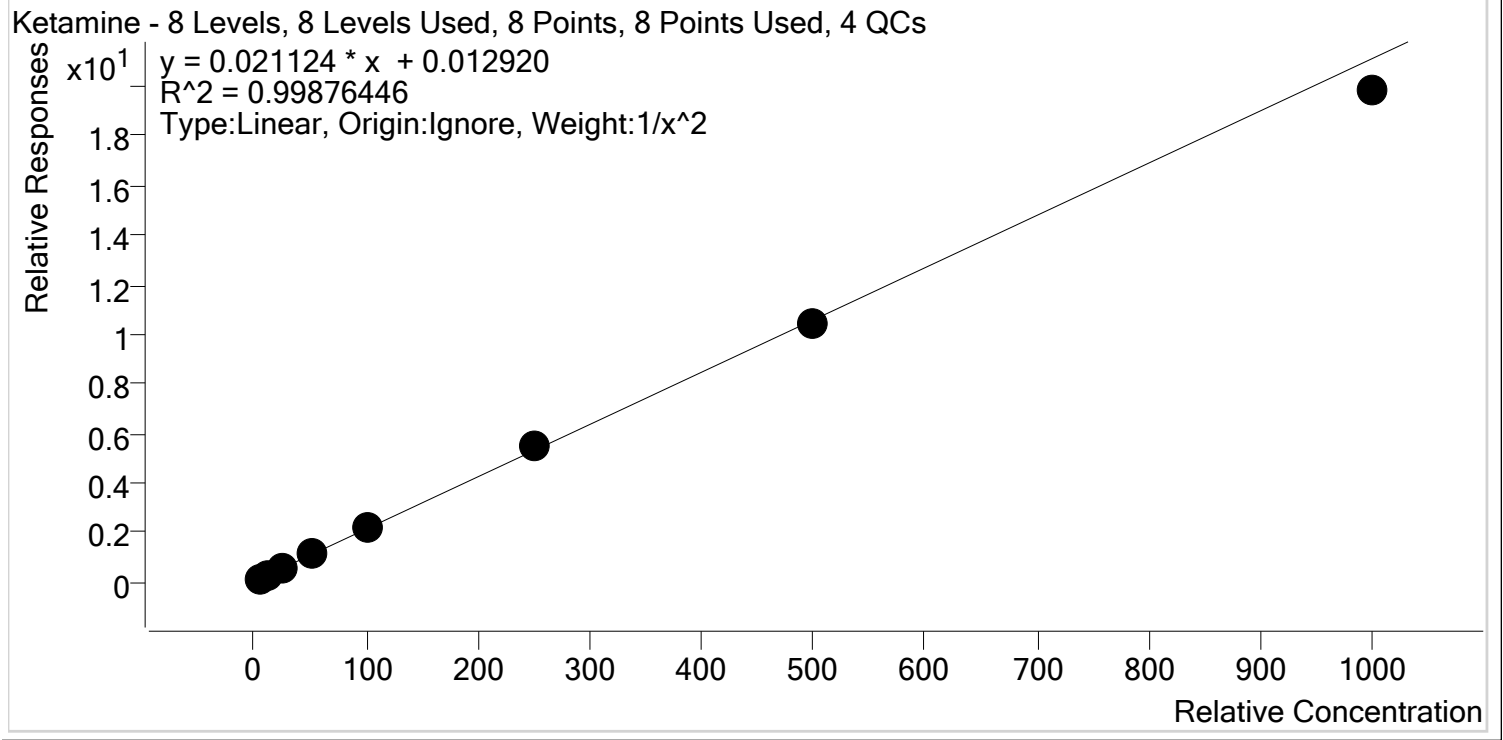


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	57.3	114.6
p1 Cal 5-100ng	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	452.4	90.5
p1 Cal 8-1000ng	8	✓	1000.0	1034.1	103.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

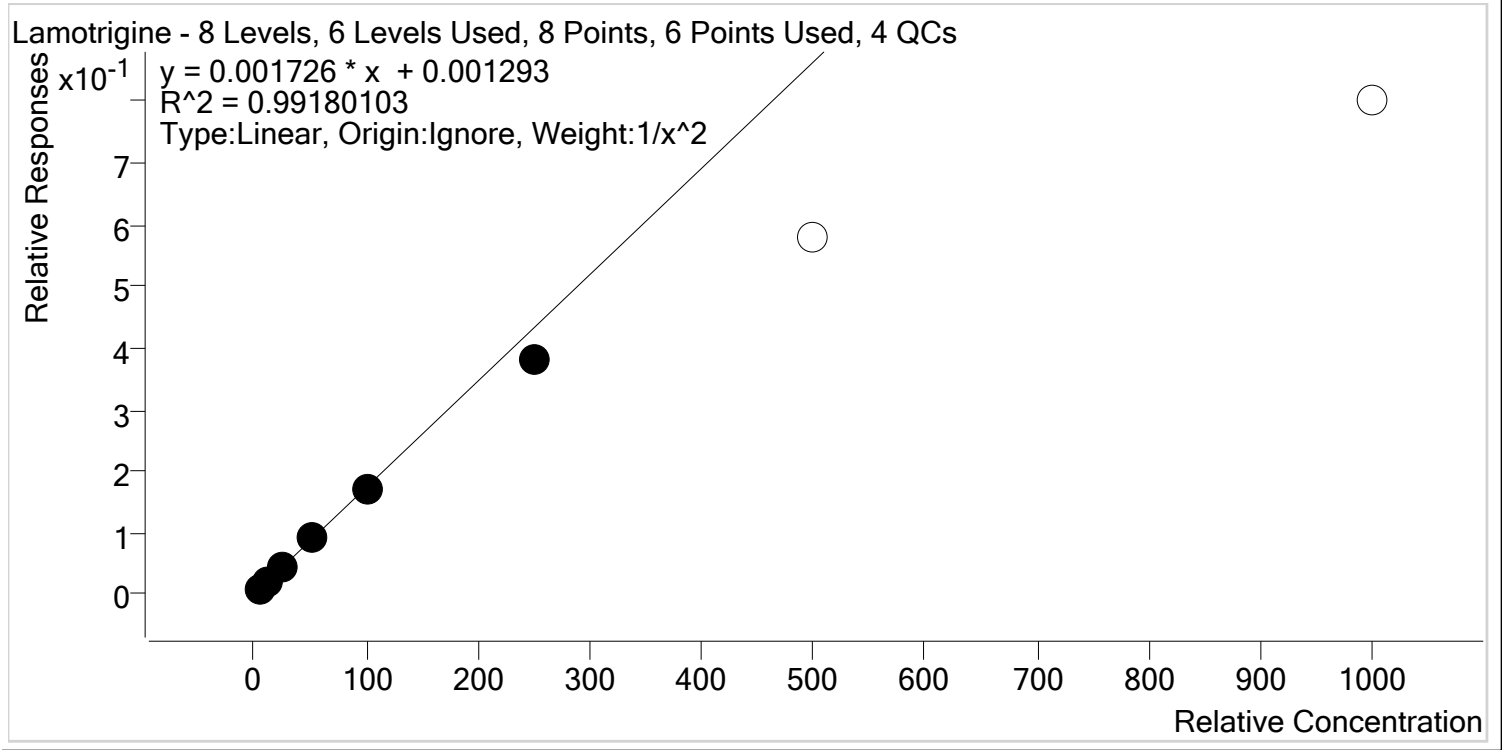


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✓	1000.0	938.8	93.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	219.5	87.8
p1 Cal 7-500ng	7	x	500.0	334.8	67.0
p1 Cal 8-1000ng	8	x	1000.0	463.7	46.4

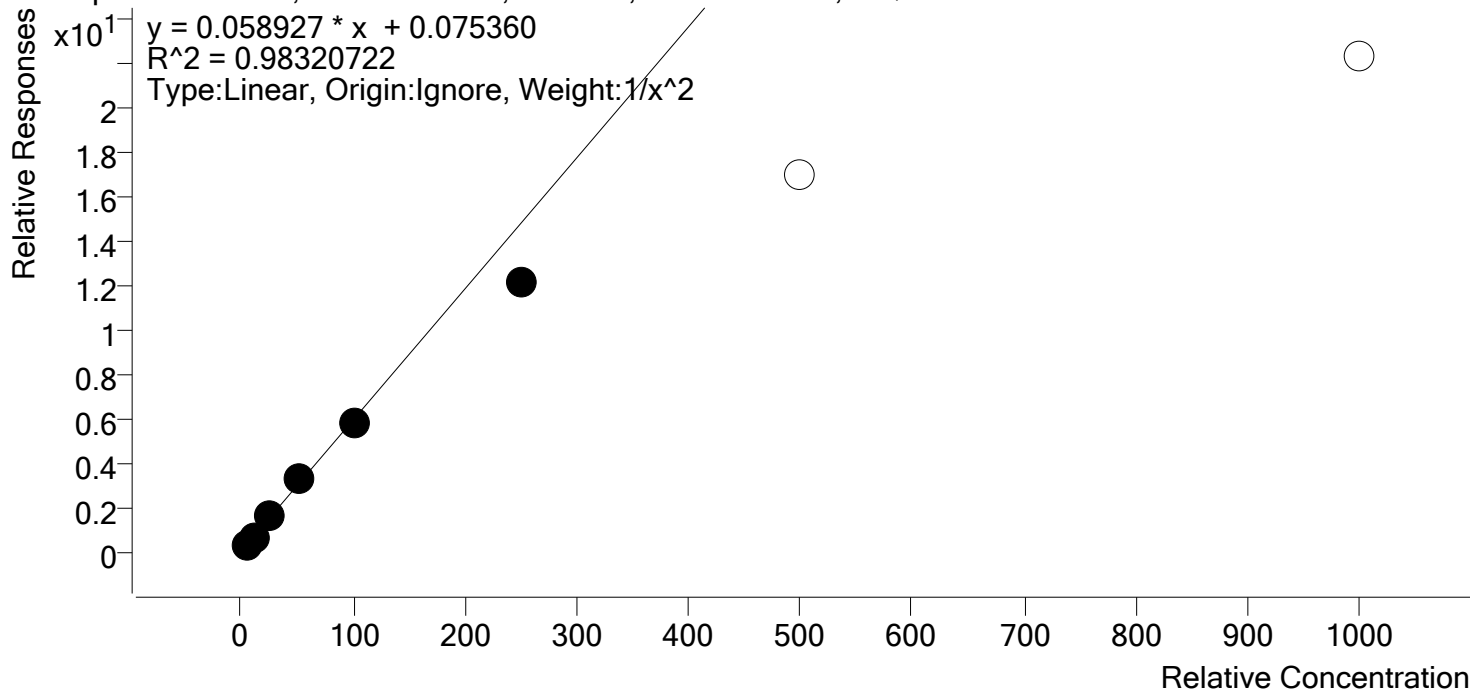
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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

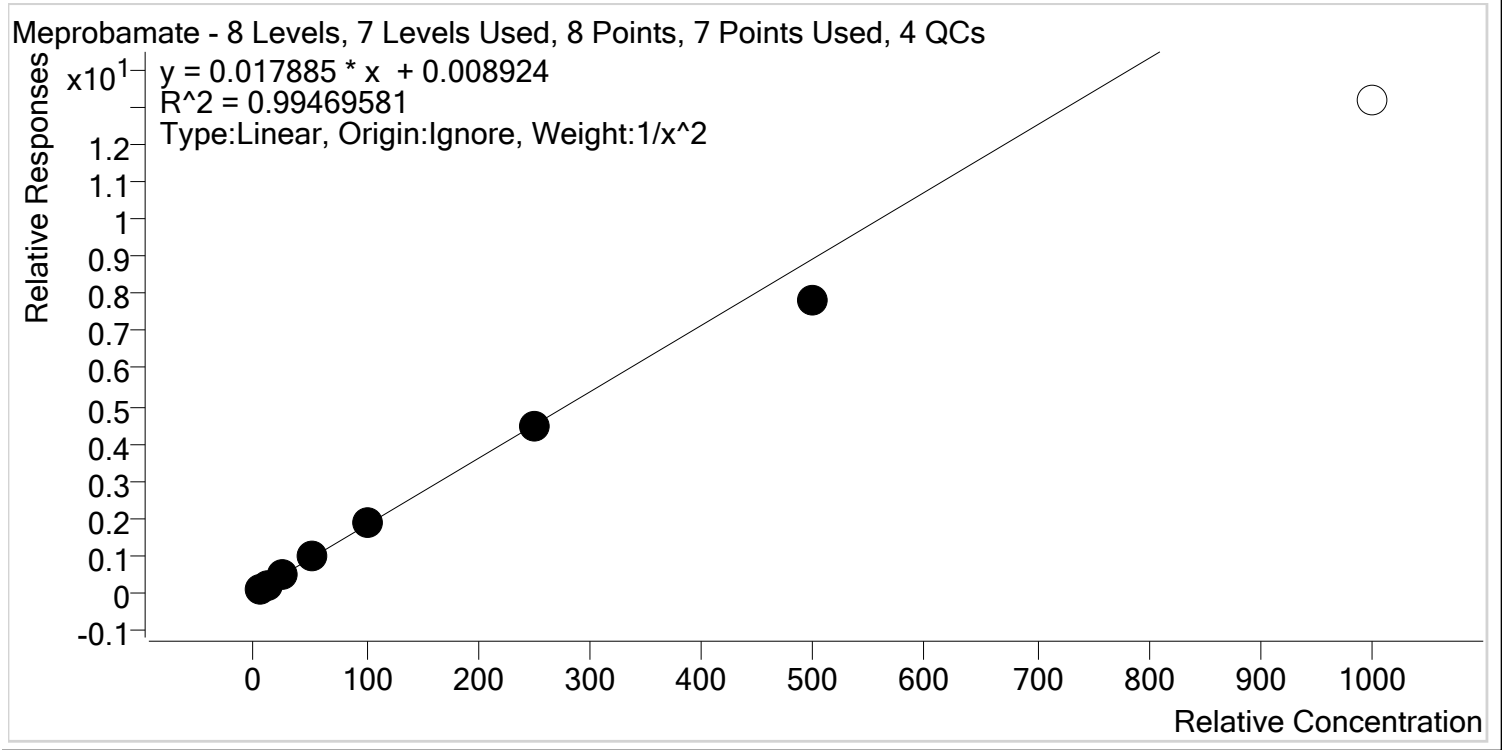


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.2
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.5
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	205.6	82.3
p1 Cal 7-500ng	7	✗	500.0	286.3	57.3
p1 Cal 8-1000ng	8	✗	1000.0	377.3	37.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

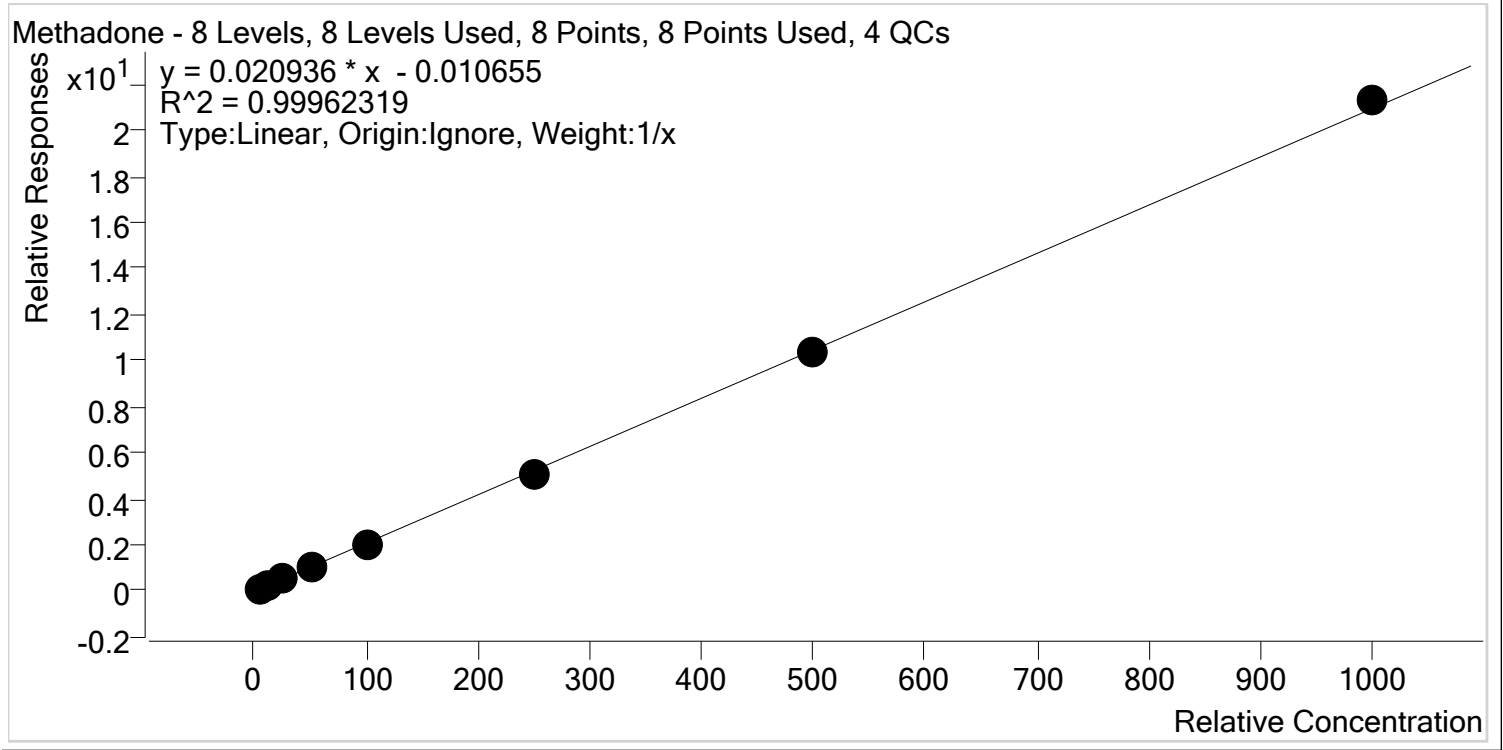


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	437.8	87.6
p1 Cal 8-1000ng	8	✗	1000.0	736.9	73.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

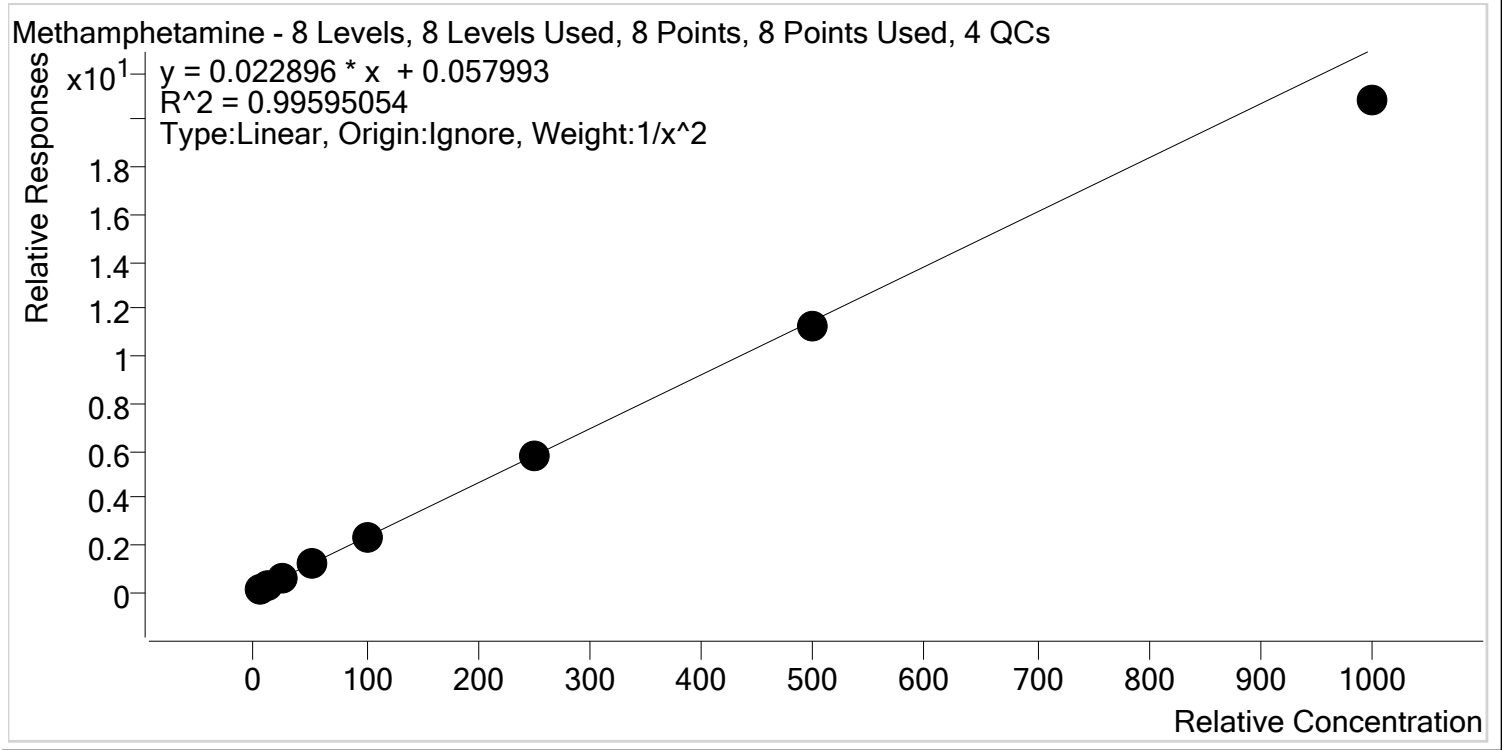


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1016.7	101.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



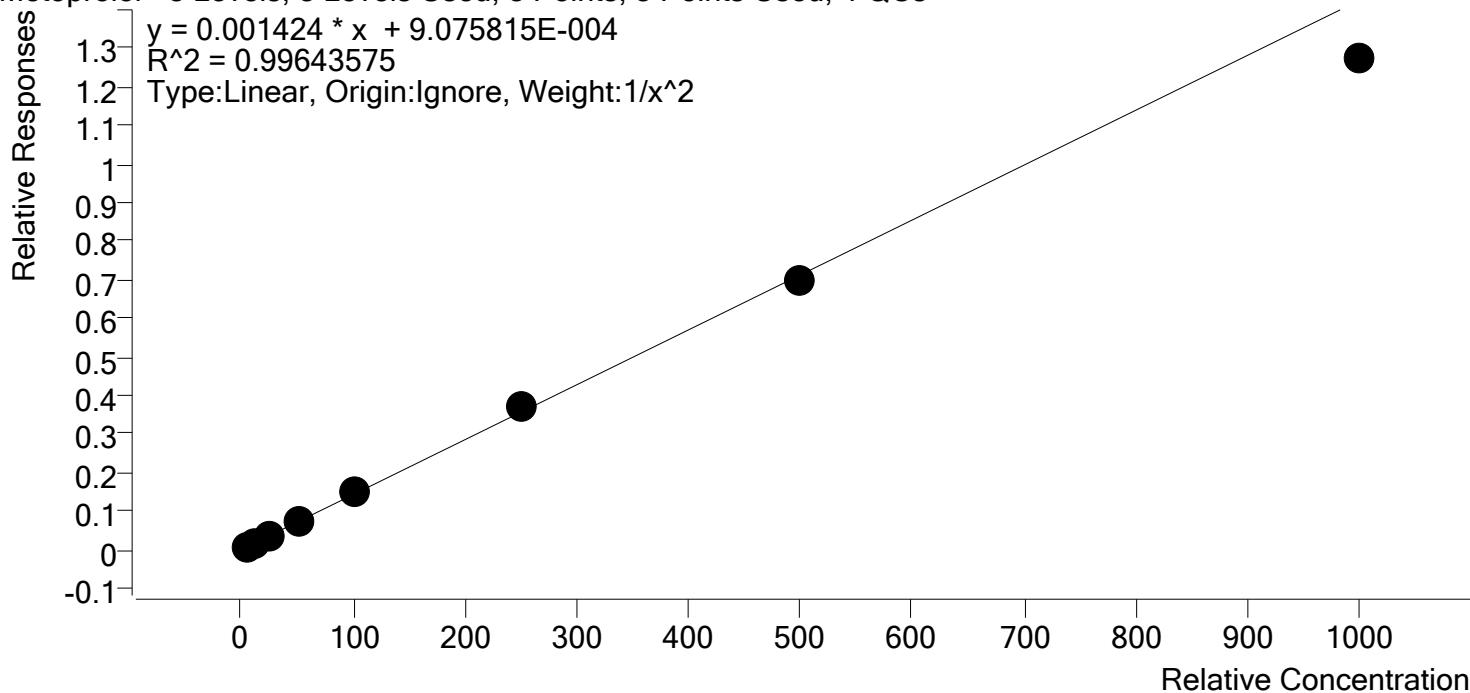
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.0
p1 Cal 2- 10ng	2	✓	10.0	10.8	107.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	906.1	90.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	259.1	103.6
p1 Cal 7-500ng	7	✓	500.0	489.4	97.9
p1 Cal 8-1000ng	8	✓	1000.0	894.2	89.4

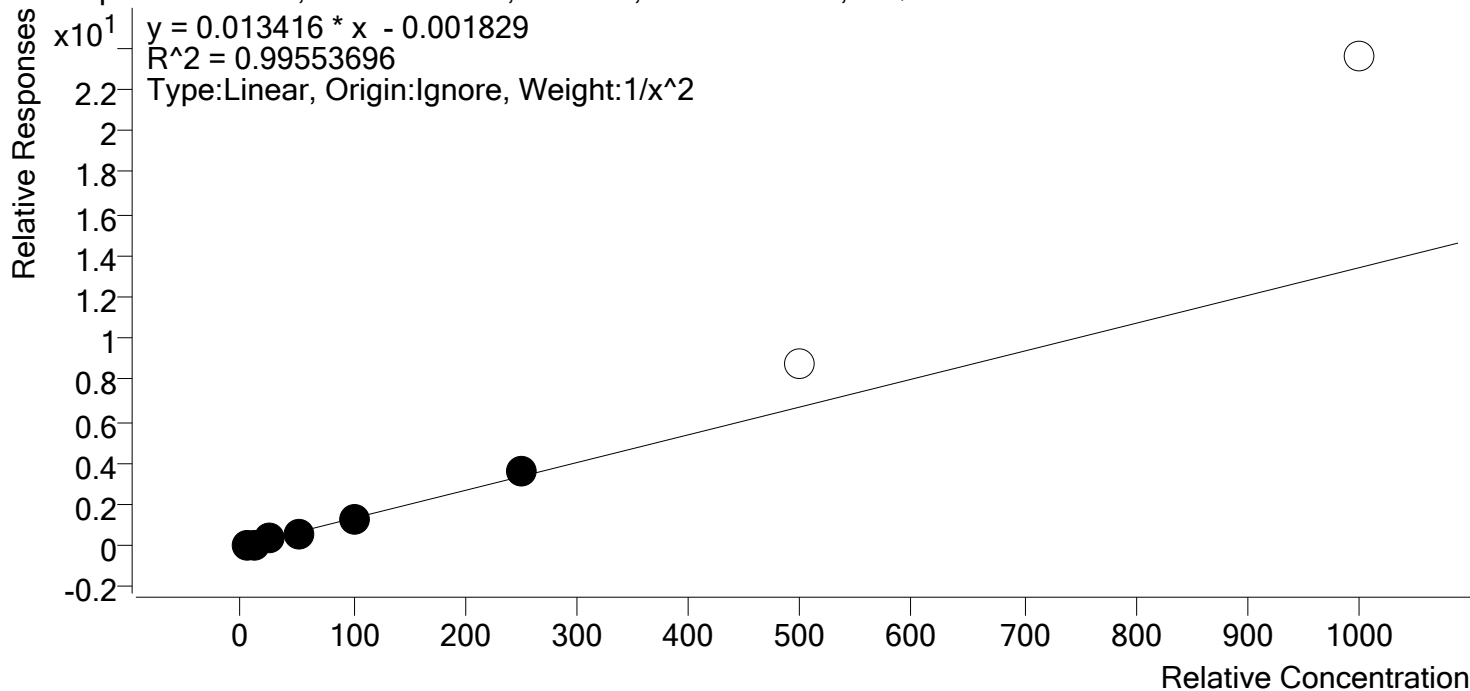
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

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



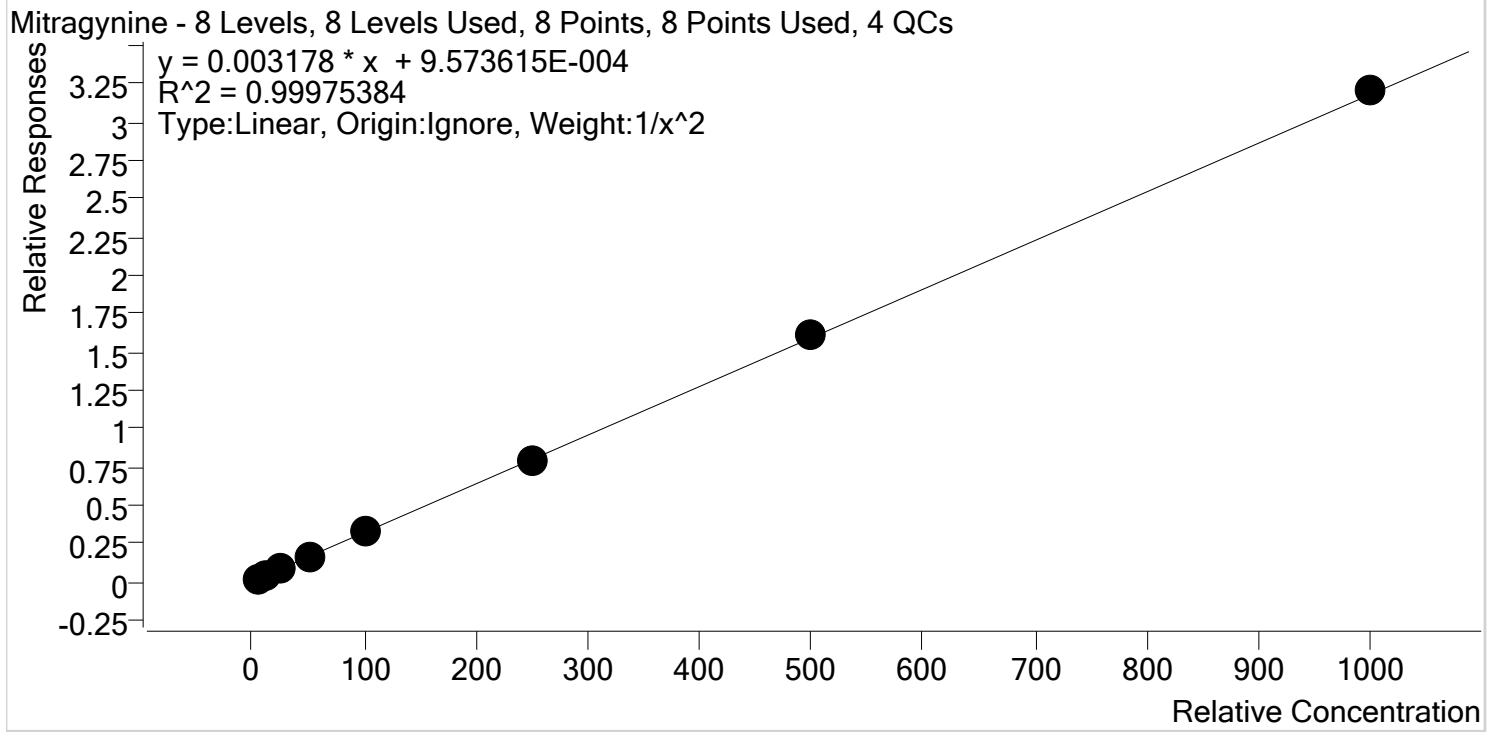
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	273.5	109.4
p1 Cal 7-500ng	7	x	500.0	654.6	130.9
p1 Cal 8-1000ng	8	x	1000.0	1758.1	175.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



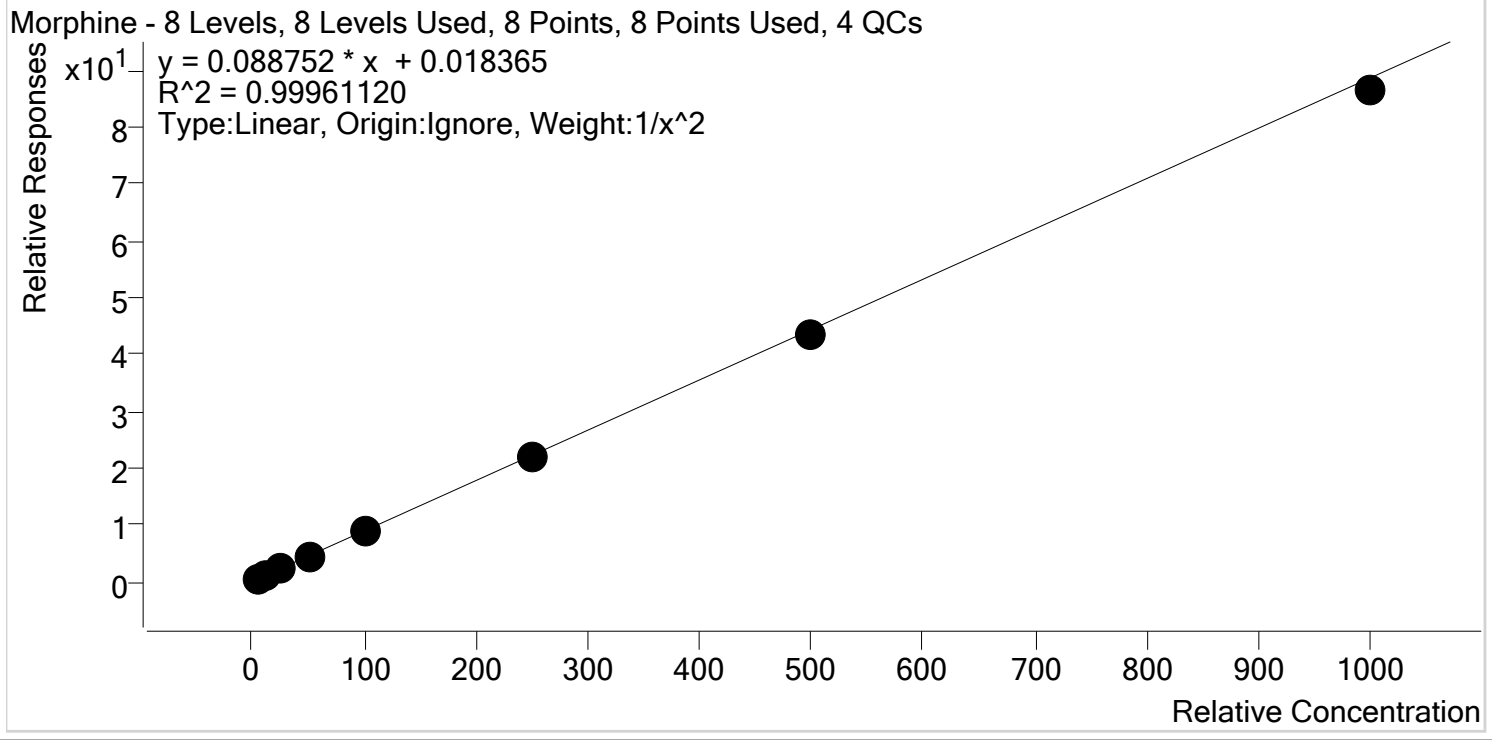
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1008.3	100.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6

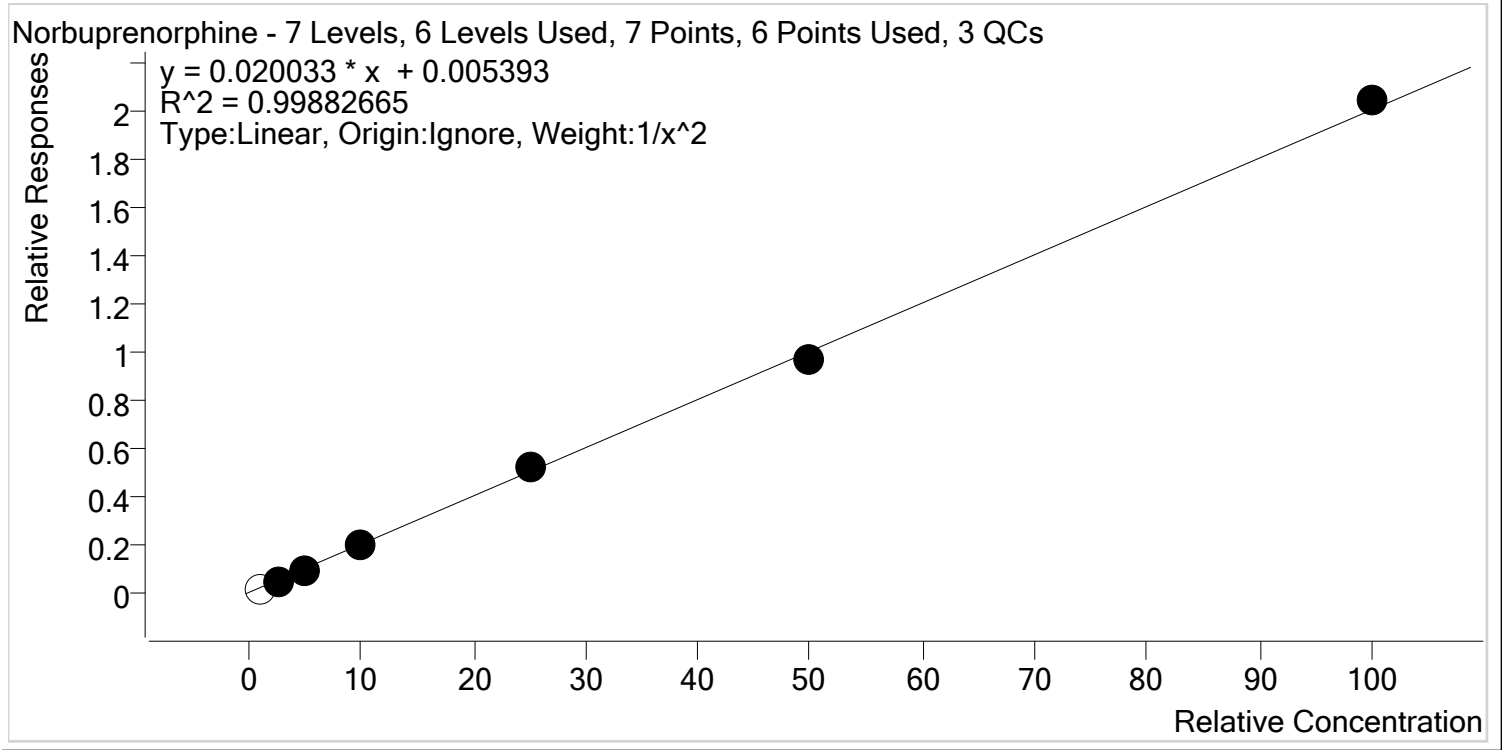


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✓	1000.0	974.8	97.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

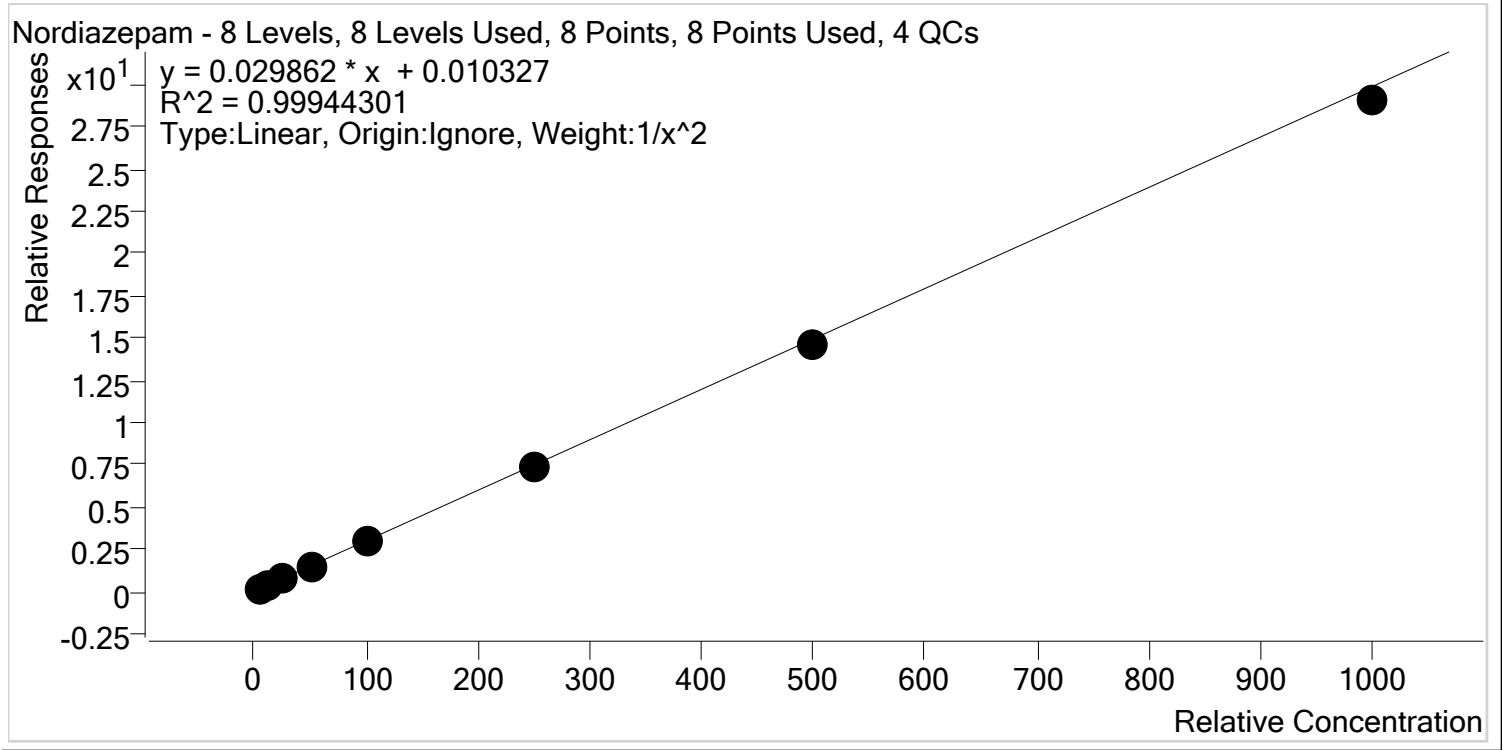


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	x	1.0	0.8	77.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.7
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	25.7	102.9
p1 Cal 7-500ng	7	✓	50.0	48.2	96.5
p1 Cal 8-1000ng	8	✓	100.0	101.9	101.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



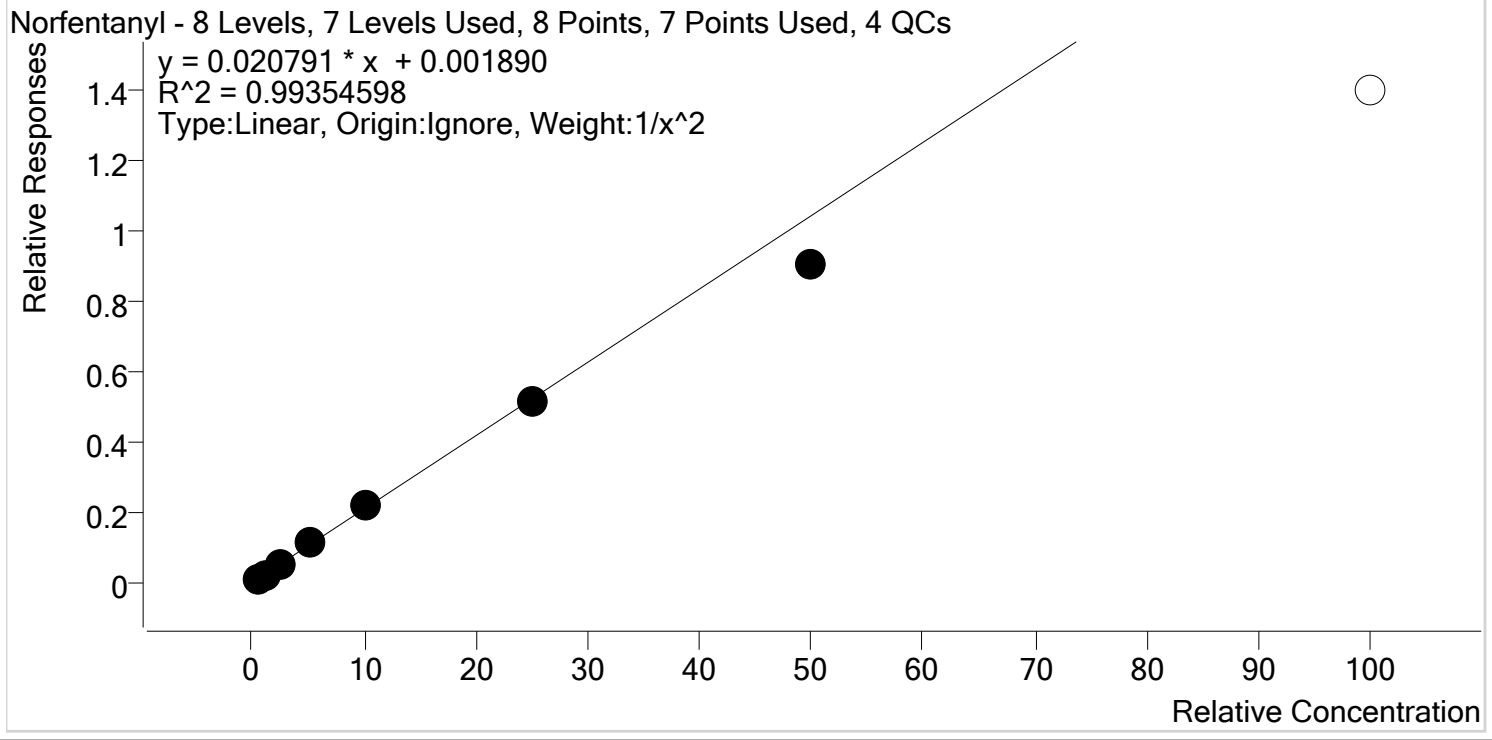
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	488.6	97.7
p1 Cal 8-1000ng	8	✓	1000.0	972.2	97.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

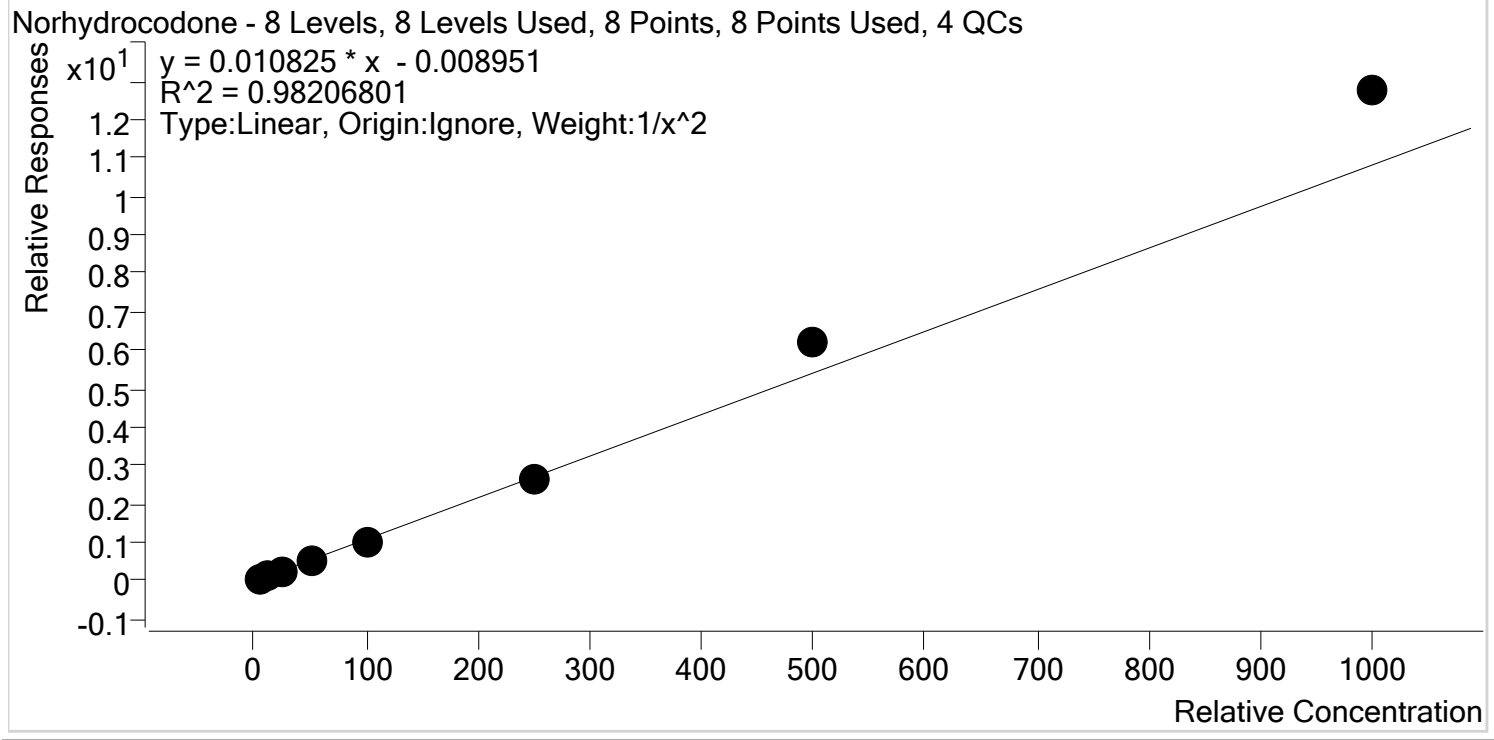


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.0
p1 Cal 3 -25ng	3	✓	2.5	2.6	104.2
p1 Cal 4-50ng	4	✓	5.0	5.4	107.7
p1 Cal 5-100ng	5	✓	10.0	10.3	102.8
p1 Cal 6-250ng	6	✓	25.0	24.9	99.4
p1 Cal 7-500ng	7	✓	50.0	43.2	86.5
p1 Cal 8-1000ng	8	x	100.0	67.1	67.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

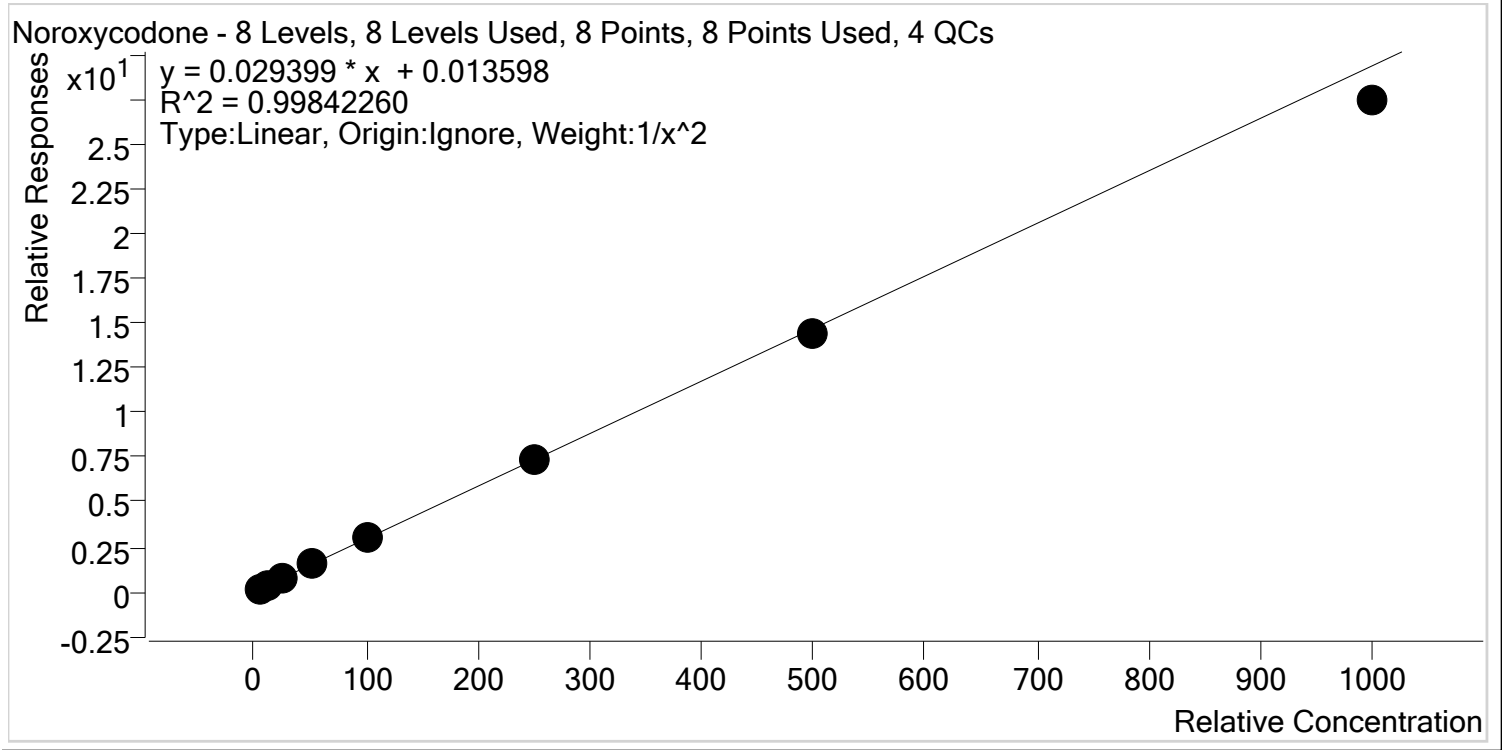


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.6
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.9
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.2
p1 Cal 4-50ng	4	✓	50.0	44.3	88.7
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	573.5	114.7
p1 Cal 8-1000ng	8	✓	1000.0	1179.0	117.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	933.8	93.4

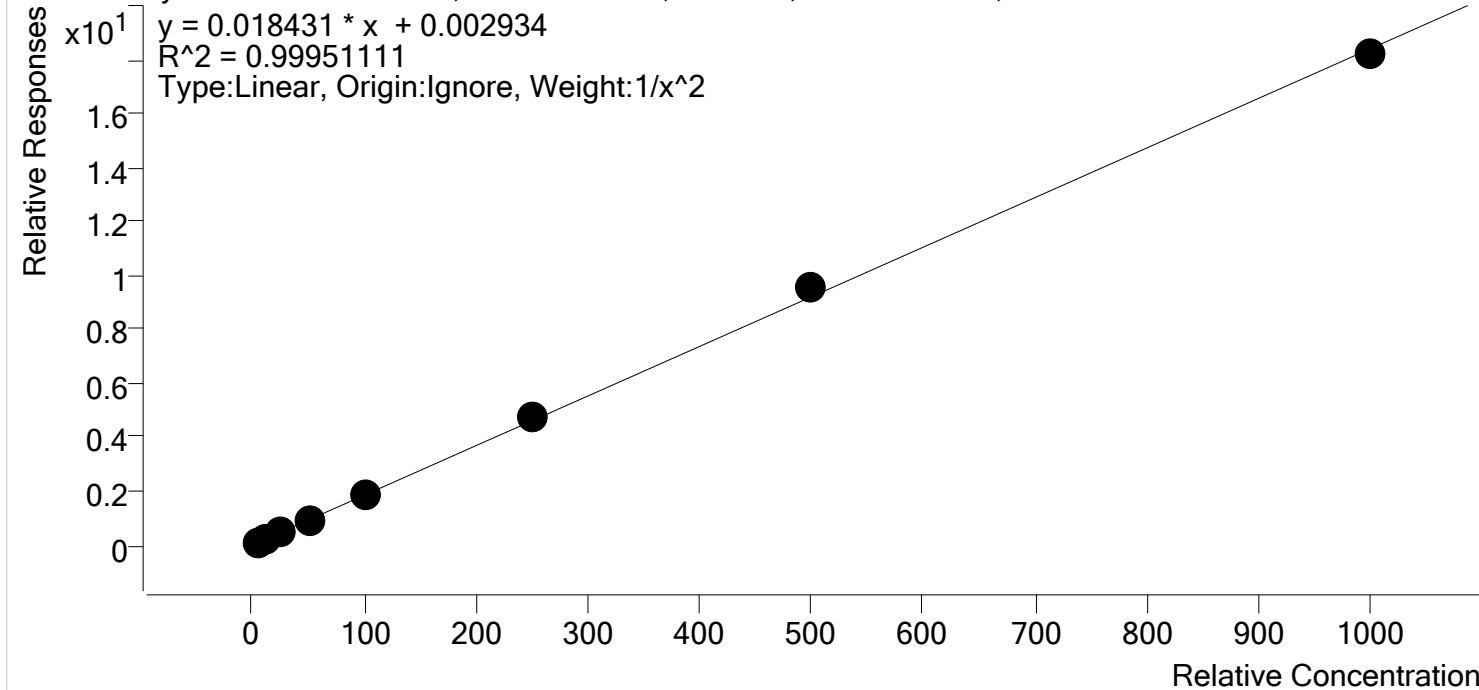
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

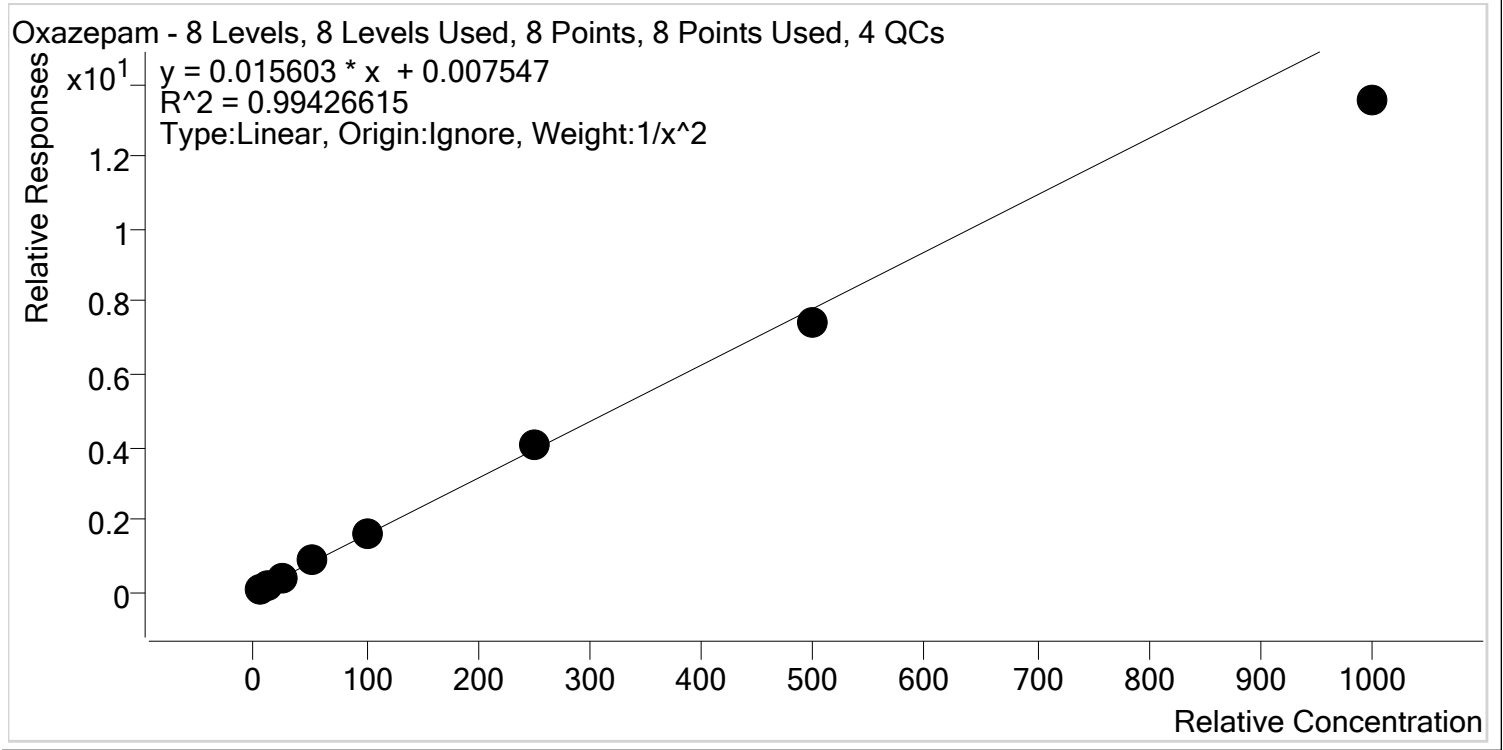


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	516.3	103.3
p1 Cal 8-1000ng	8	✓	1000.0	989.1	98.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

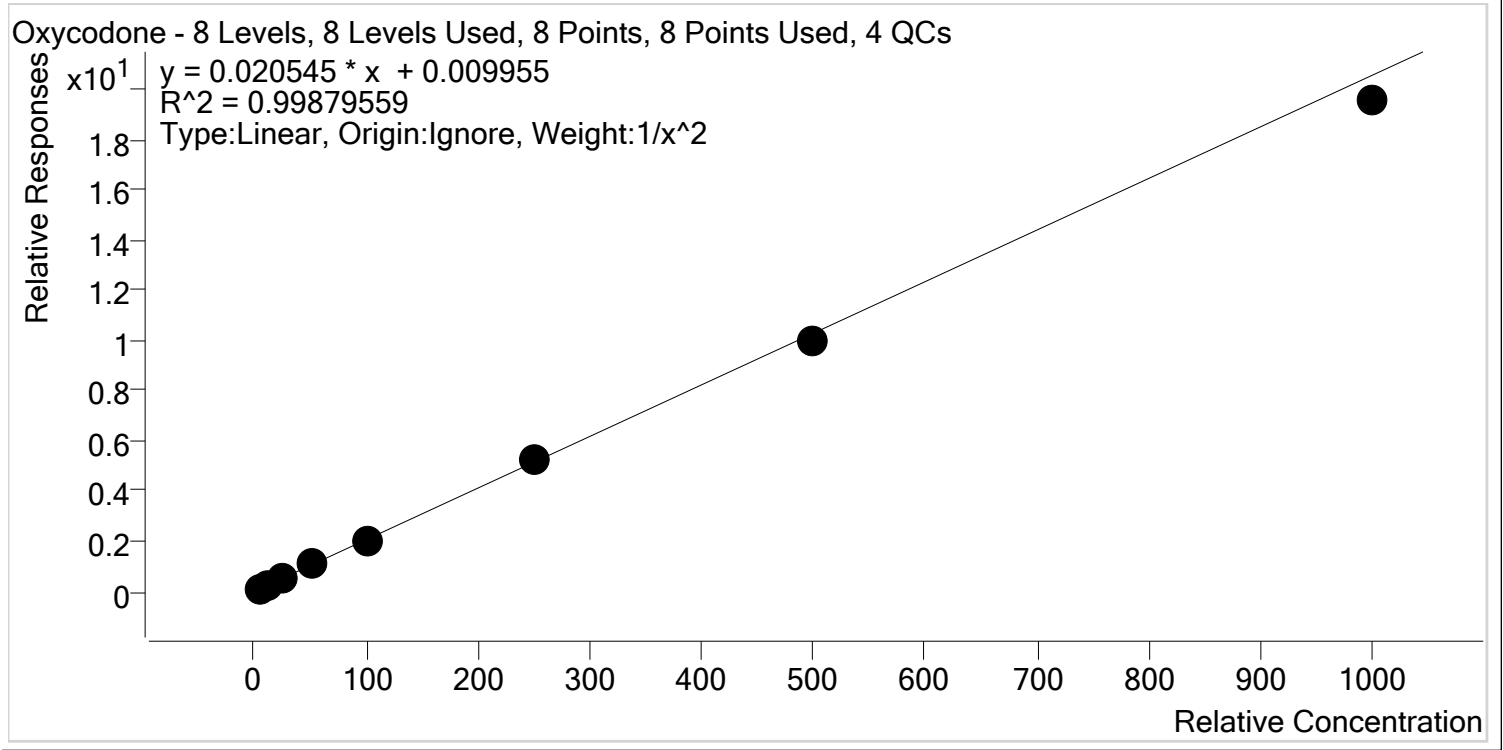


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	261.5	104.6
p1 Cal 7-500ng	7	✓	500.0	475.9	95.2
p1 Cal 8-1000ng	8	✓	1000.0	867.1	86.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

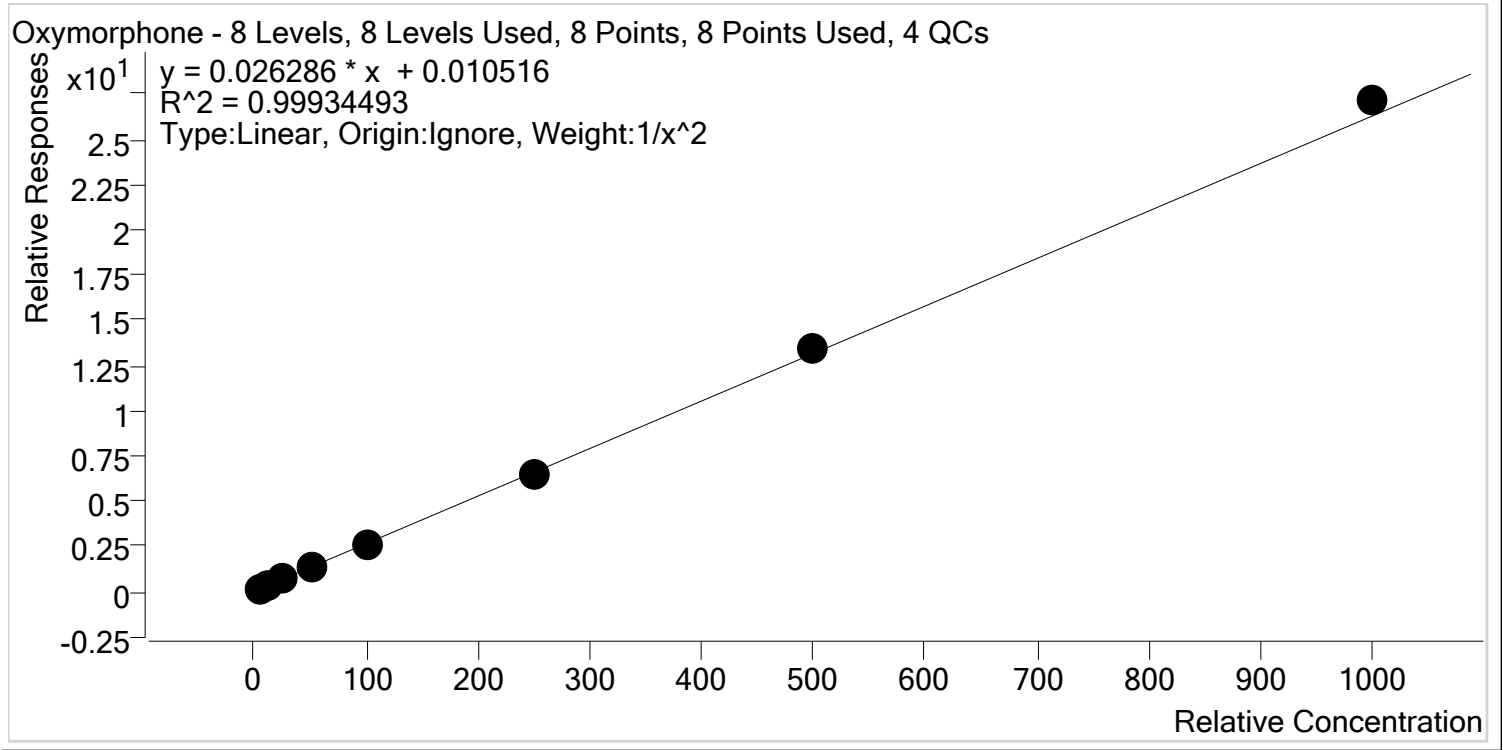


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	487.0	97.4
p1 Cal 8-1000ng	8	✓	1000.0	951.0	95.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1032.5	103.3

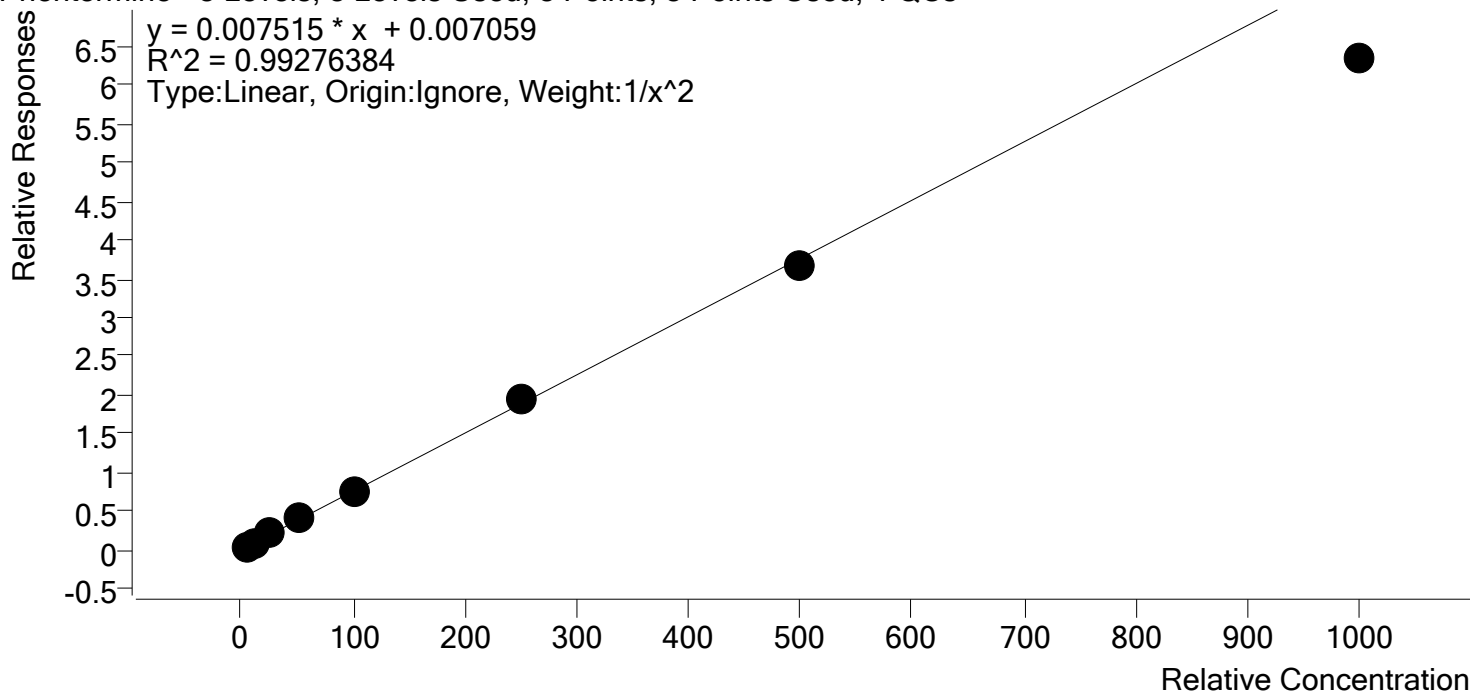
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 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	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	261.1	104.4
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	843.1	84.3

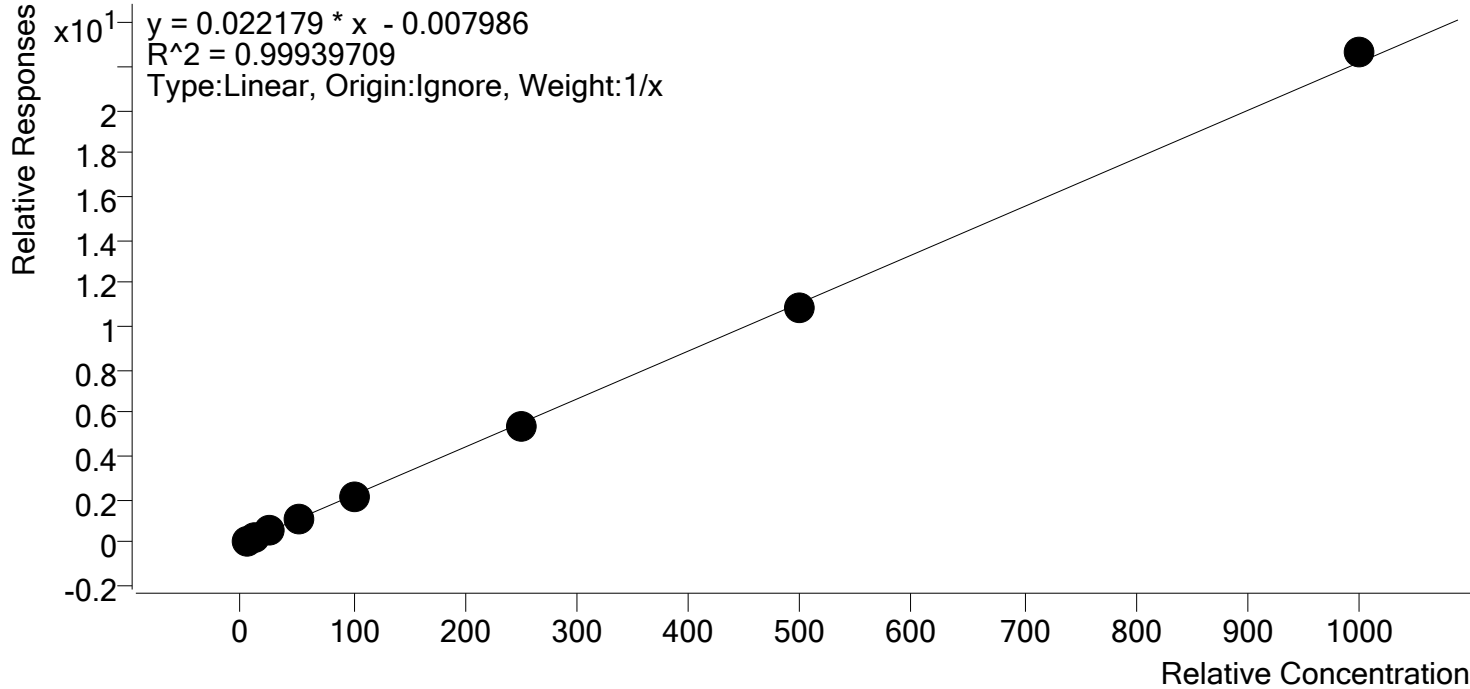
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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

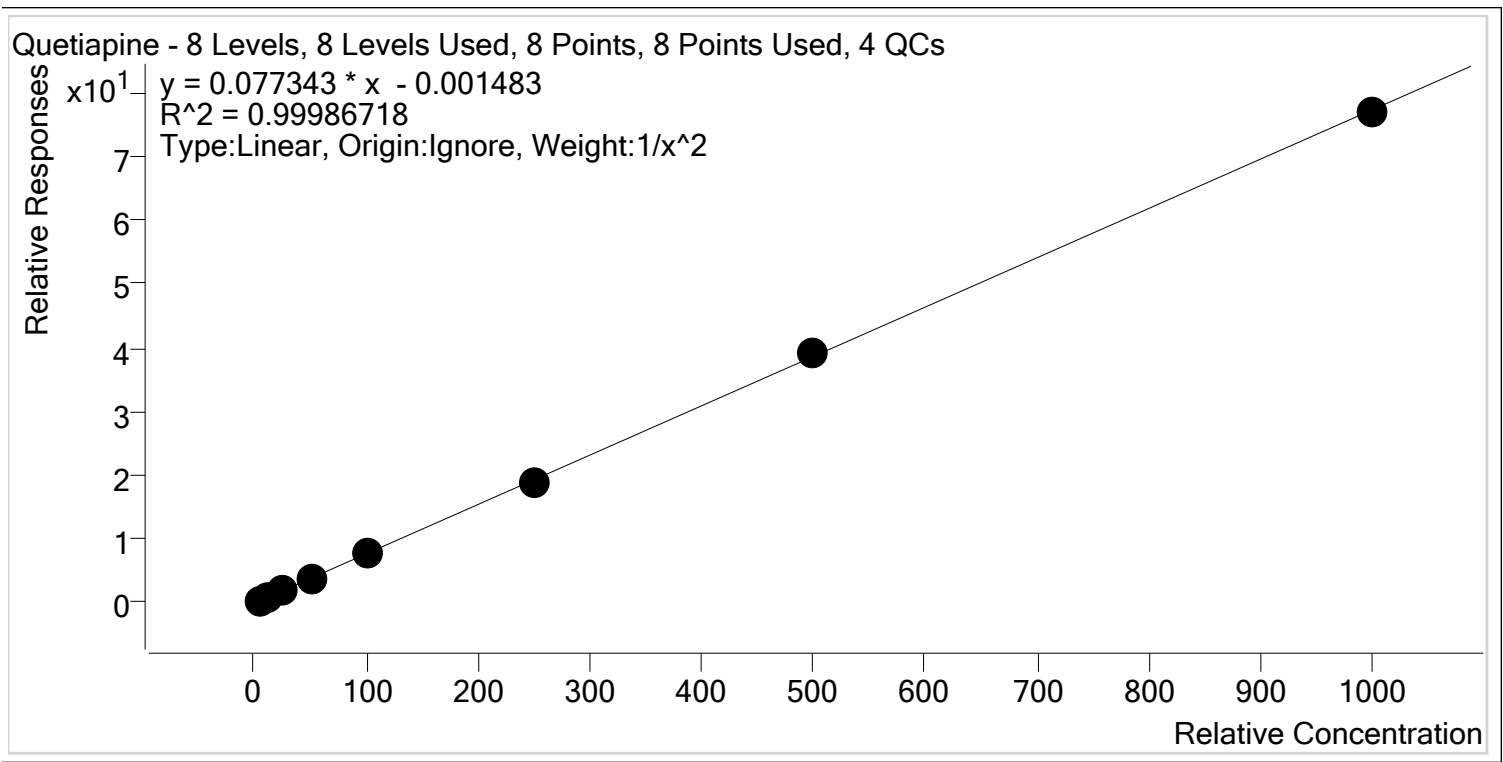


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.5
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1020.5	102.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

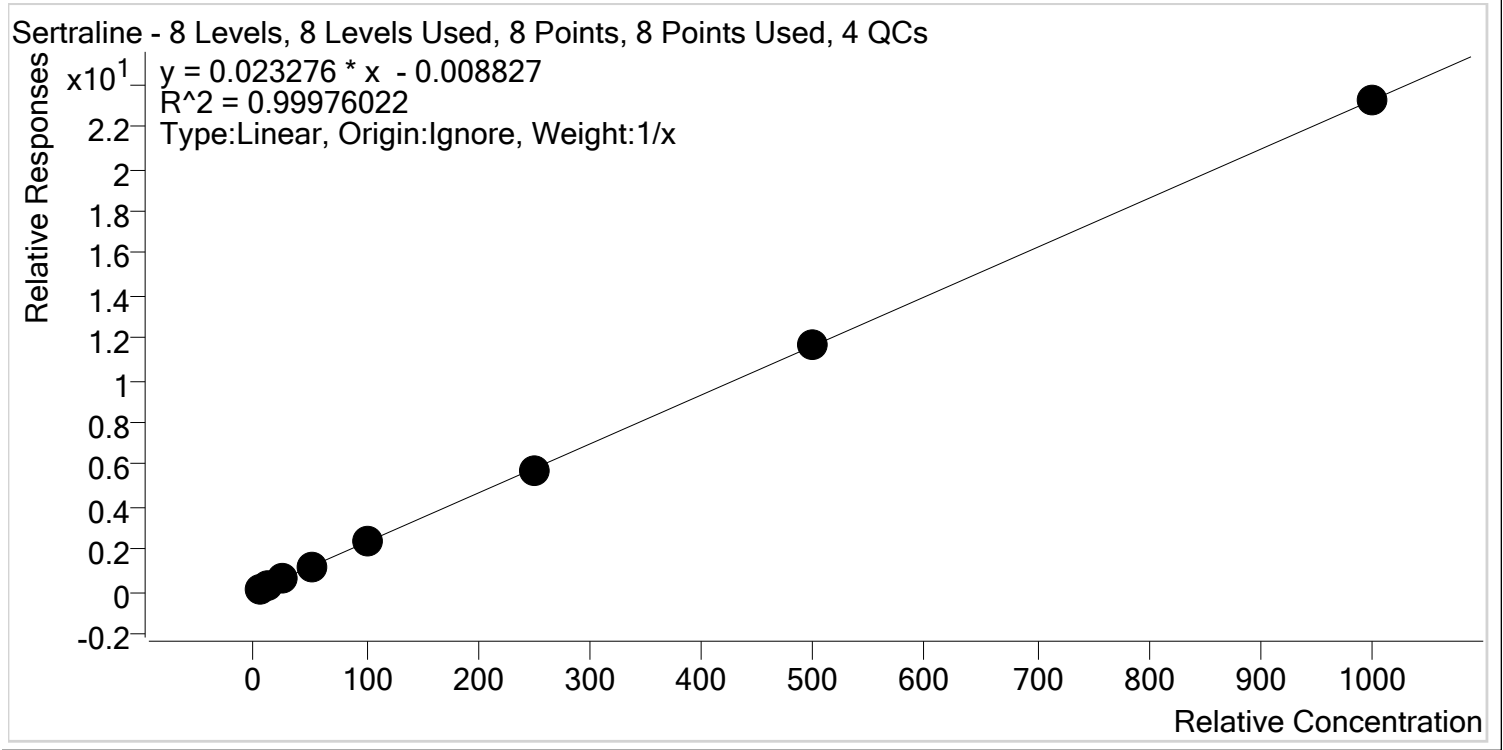


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	994.4	99.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.3
p1 Cal 2- 10ng	2	✓	10.0	9.2	92.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	244.4	97.8
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	999.2	99.9

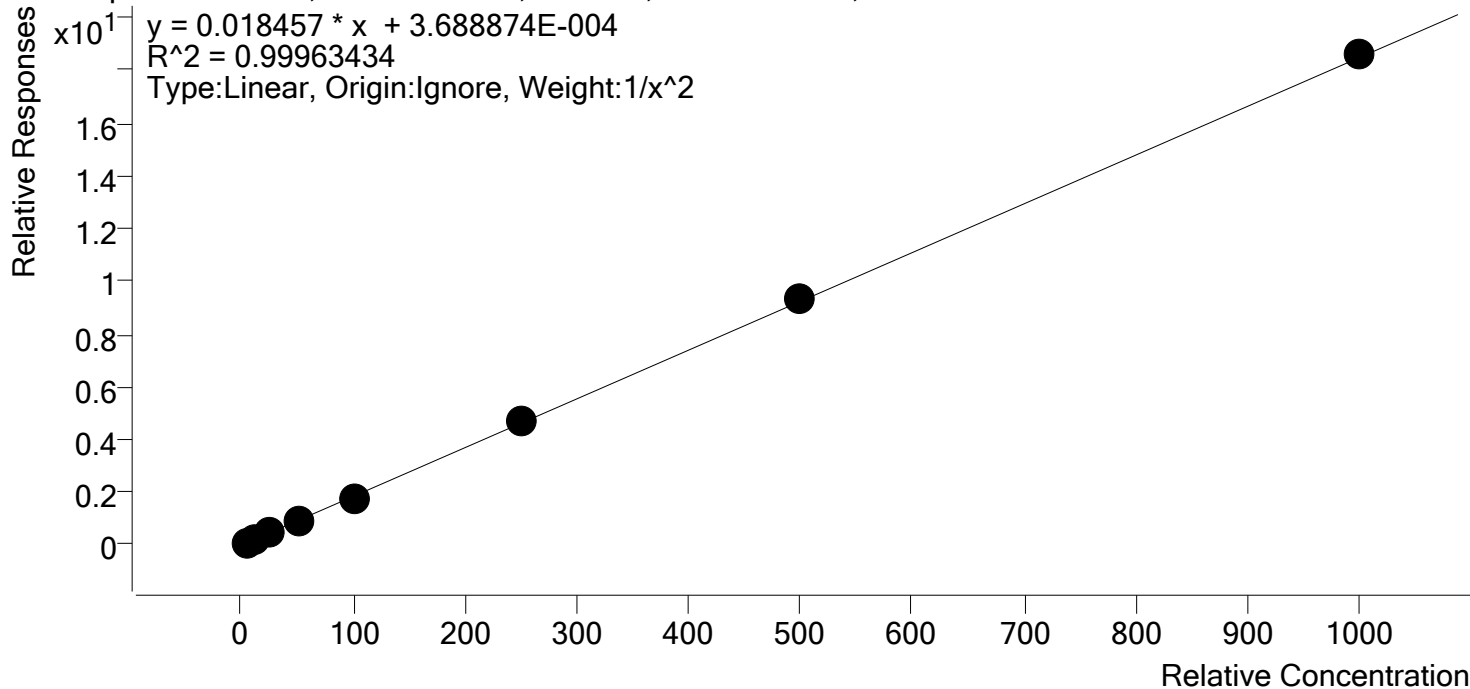
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

Temazepam - 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	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1006.3	100.6

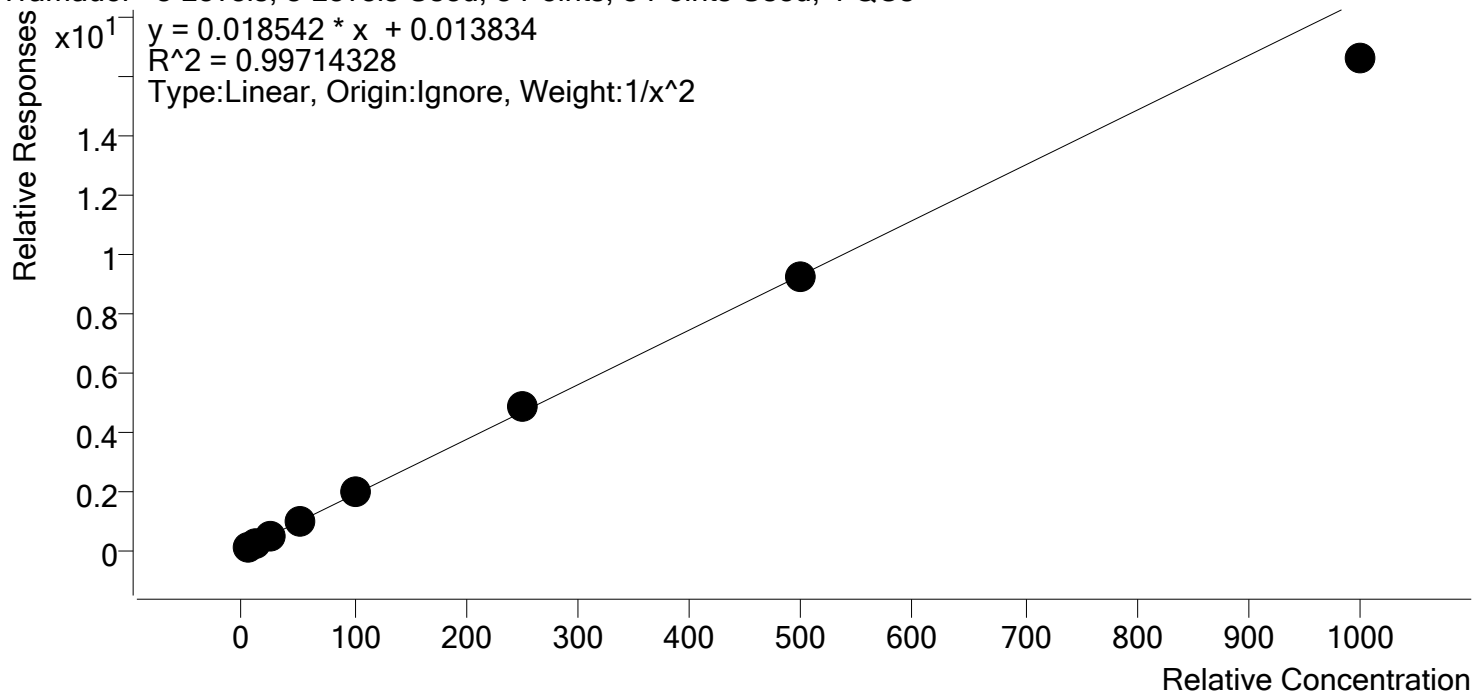
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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

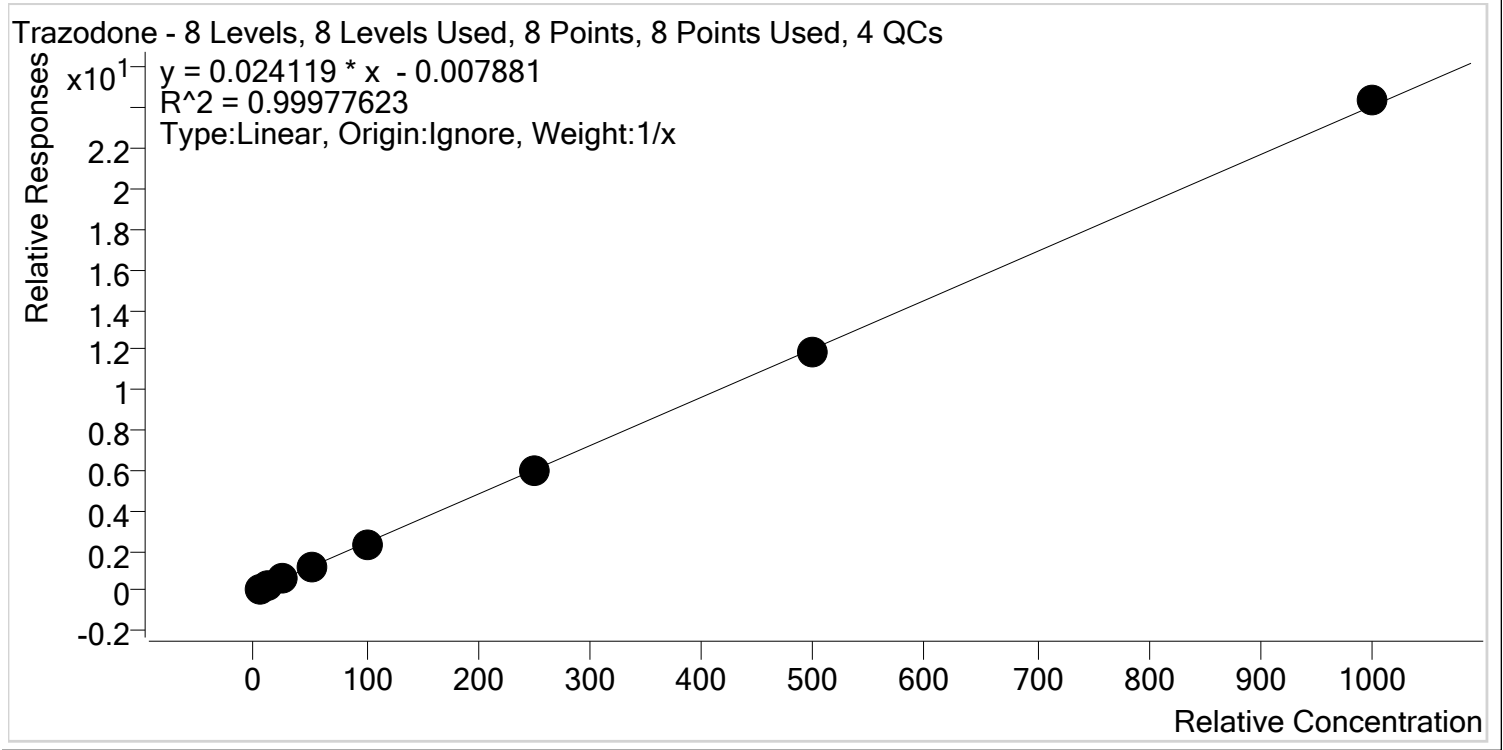


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	894.4	89.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



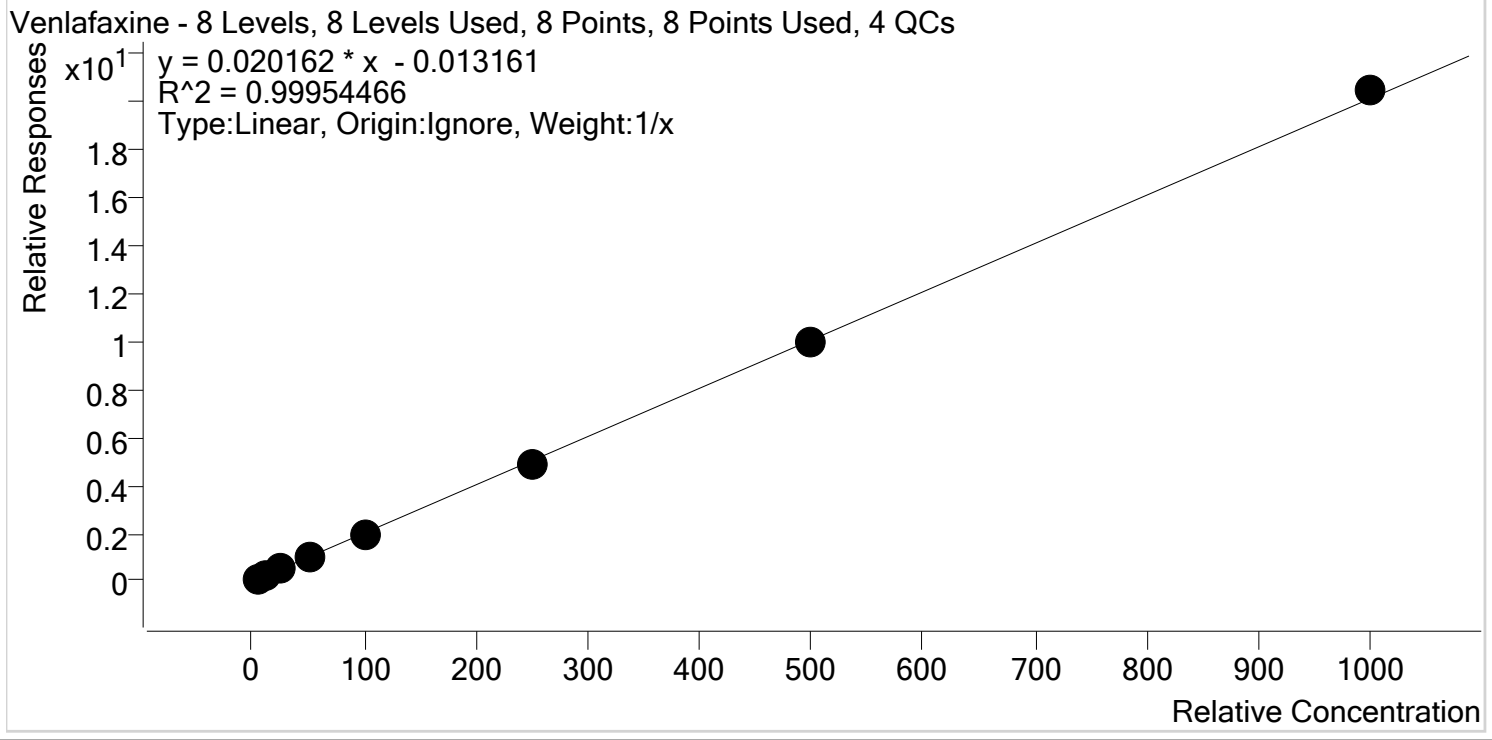
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.4	101.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



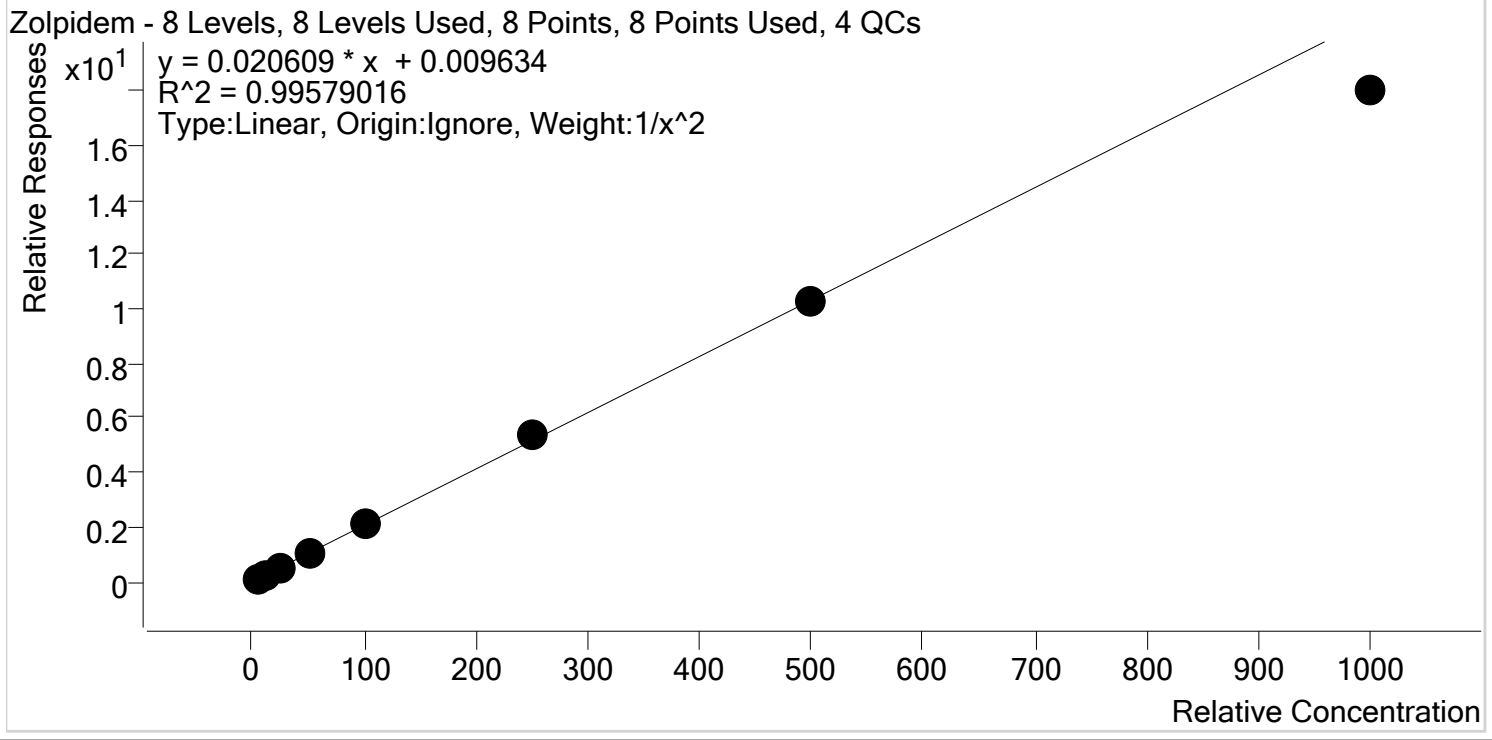
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1016.8	101.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Last Cal. Update 5/27/2020 11:11 AM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	872.5	87.3

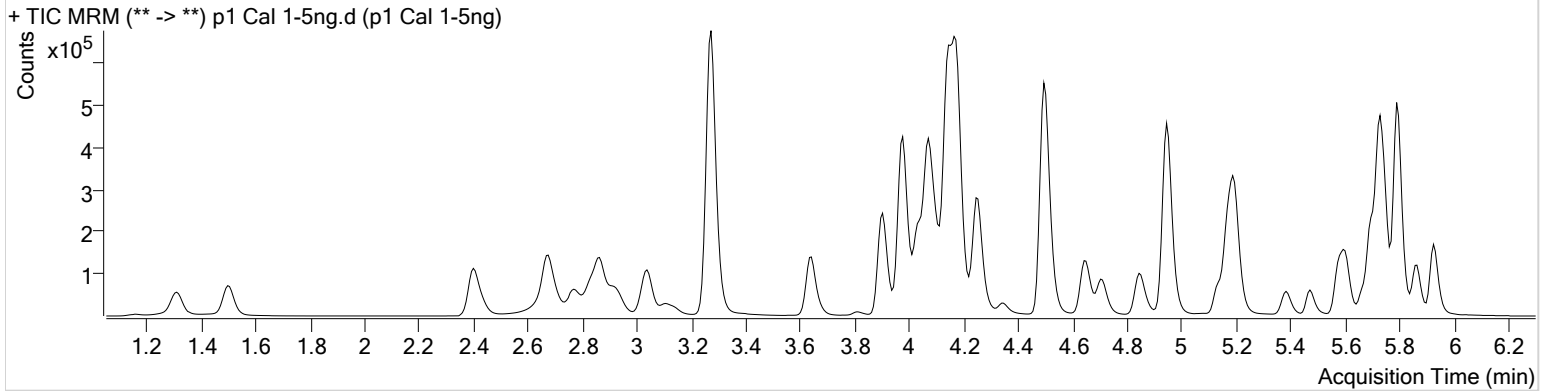
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-A1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 5:58:32 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.036	1328	210.47	74.7	392.98	63899	0.5018 ng/ml
7-aminoclonazepam	3.996	27819	4109.34	84.1	229.13	220087	4.8114 ng/ml
a-hydroxyalprazolam	5.674	11429	118.86	64.1	151.03	56428	4.8958 ng/ml
alpha-PVP	4.257	65717	619.66	53.1	1844.38	566545	5.3621 ng/ml
Alprazolam	5.750	45633	305.24	106.2	763.89	246843	5.4388 ng/ml
Amphetamine	2.920	87486	946.98	50.0	382.31	189383	4.7862 ng/ml
Benzoylcegonine	3.833	2957	399.78	8.0	7.89 Low	20164	5.1558 ng/ml
Buprenorphine	5.402	722	∞	18.9	6.42 Low	47876	0.5191 ng/ml
Bupropion	4.659	41812	1111.63	59.5	1374.22	296018	4.8965 ng/ml
Carisoprodol	5.706	42088	5893.27	53.2	222.45	377062	4.9830 ng/ml
Citalopram	5.135	17231	569.94	40.5	∞	151957	5.3451 ng/ml
Clonazepam	5.587	57130	1673.00	32.9	419.93	132154	4.9085 ng/ml
Cocaine	4.170	73563	5970.26	43.8	1405.07	1069173	5.3997 ng/ml
Codeine	2.436	8760	558.53	104.4	2838.49	78614	4.8135 ng/ml
Cyclobenzaprine	5.570	5649	∞	9.6	36.46	45165	4.9909 ng/ml
Dextromethorphan	5.171	7333	608.15	80.9	252.94	67908	5.2136 ng/ml
Dextrorphan	4.038	15830	250.75	213.8	809.96	406993	5.1543 ng/ml
Diazepam	5.935	32154	2931.00	86.9	333.78	295299	5.0137 ng/ml
Dihydrocodeine	2.434	22806	984.95	64.9	900.17	236871	4.8667 ng/ml
Diphenhydramine	5.199	39839	1198.70	32.9	298.54	543456	5.3761 ng/ml
Doxylamine	4.105	131103	3031.94	97.2	13025.56	1081926	3.8323 ng/ml
EDDP	5.176	36124	1879.07	43.2	445.05	376400	5.0172 ng/ml
Fentanyl	4.945	608	28.00	72.7	204.14	67454	0.4936 ng/ml
Fluoxetine	5.669	5517	919.06	7.8	22.45	43671	4.8560 ng/ml
Hydrocodone	2.891	27060	758.01	39.7	65.11	336748	4.7473 ng/ml
Hydromorphone	1.506	23040	6093.24	75.6	1014.69	174039	4.9473 ng/ml
Ketamine	3.918	64286	700.76	37.5	627.00	545838	4.9639 ng/ml
Lamotrigine	4.148	5219	440.01	88.6	5673.09	545838	4.7903 ng/ml
Lorazepam	5.728	46649	∞	57.1	∞	132154	4.7114 ng/ml
Meprobamate	4.868	23648	2685.77	28.3	398.92	244948	4.8993 ng/ml
Methadone	5.608	19171	163.33	53.3	584.93	186946	5.4070 ng/ml
Methamphetamine	3.107	43017	224.05	41.3	190.74	257969	4.7502 ng/ml
Metoprolol	4.239	10817	2769.21	94.6	630.25	1346969	5.0026 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.348	38142	1738.65	48.8	3182.08	566545	5.1544 ng/ml
Mitragynine	5.078	3167	8251.45	36.6	218.71	186946	5.0285 ng/ml
Morphine	1.160	3267	5499.58	23.9	142.02	7154	4.9389 ng/ml
Nordiazepam	5.868	31039	5086.30	59.1	1313.54	197457	4.9182 ng/ml
Norfentanyl	4.000	9994	445.88	37.1	17.48	831957	0.4869 ng/ml
Norhydrocodone	2.965	2923	110.37	45.2	206.86	59954	5.3309 ng/ml
Noroxycodone	2.789	27517	750.12	47.2	865.59	173738	4.9248 ng/ml
O-desmethyl-tramadol	3.281	151474	2768.32	5.9	673.20	1580544	5.0406 ng/ml
Oxazepam	5.731	54329	701.37	76.5	380.40	649714	4.8756 ng/ml
Oxycodone	2.700	54501	786.89	30.5	637.05	489486	4.9349 ng/ml
Oxymorphone	1.310	23560	166.87	46.1	1443.56	166980	4.9676 ng/ml
Phentermine	3.671	16008	229.92	3.2	18.17	368213	4.8454 ng/ml
Promethazine	5.474	12636	694.88	32.1	115.39	112926	5.4054 ng/ml
Quetiapine	5.383	21831	1480.57	59.5	429.00	56961	4.9745 ng/ml
Sertraline	5.730	2916	223.51	94.3	139.78	24867	5.4167 ng/ml
Temazepam	5.798	89097	1305.46	29.3	193.99	956104	5.0290 ng/ml
Tramadol	4.159	142360	4261.31	3.5	175.80	1346969	4.9539 ng/ml
Trazodone	4.715	20850	924.98	80.0	1754.58	175310	5.2578 ng/ml
Venlafaxine	4.946	94761	948.05	37.0	453.31	966496	5.5156 ng/ml
Zolpidem	4.514	143381	3621.17	30.4	10532.86	1287341	4.9368 ng/ml

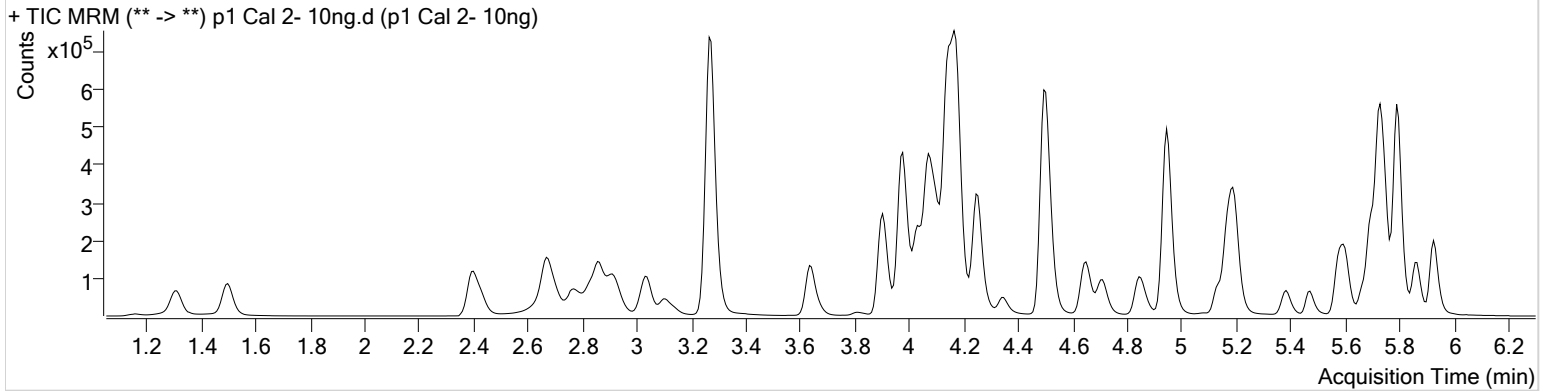
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-B1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 6:09:16 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	2769	∞	71.6	∞	65824	1.0011 ng/ml
7-aminoclonazepam	3.996	54598	5720.26	82.4	16547.36	223192	10.2438 ng/ml
a-hydroxyalprazolam	5.674	23955	242.76	60.6	237.54	58428	10.1808 ng/ml
alpha-PVP	4.257	127249	2023.62	51.6	545.08	561174	10.1188 ng/ml
Alprazolam	5.750	89521	366.81	104.2	5503.41	246880	10.0863 ng/ml
Amphetamine	2.914	157419	2869.26	50.8	2011.00	177189	10.4559 ng/ml
Benzoylcegonine	3.833	5663	130.00	7.8	32.88	19998	9.7433 ng/ml
Buprenorphine	5.402	1141	55.96	20.0	19.40	44081	0.9303 ng/ml
Bupropion	4.659	77153	1216.59	59.5	628.95	280727	9.8318 ng/ml
Carisoprodol	5.706	80715	34095.30	54.8	667.77	383202	9.9347 ng/ml
Citalopram	5.135	30915	2613.39	44.1	276.21	141243	10.0638 ng/ml
Clonazepam	5.587	112697	∞	33.1	460.23	133011	10.2283 ng/ml
Cocaine	4.170	142823	621200.07	44.5	9755.04	1079810	10.1431 ng/ml
Codeine	2.436	17341	376.24	105.7	∞	80539	10.1978 ng/ml
Cyclobenzaprine	5.570	11206	16762.79	9.3	21.84	43574	10.2370 ng/ml
Dextromethorphan	5.171	13713	7629.78	79.7	∞	65453	9.9569 ng/ml
Dextrorphan	4.031	31658	4047.33	205.9	2083.85	396130	10.3274 ng/ml
Diazepam	5.935	63011	477.98	88.4	∞	303621	9.8535 ng/ml
Dihydrocodeine	2.427	45161	874.17	66.2	564.30	243527	10.1274 ng/ml
Diphenhydramine	5.199	72543	2981.34	33.4	47997.38	503183	10.1387 ng/ml
Doxylamine	4.098	250421	8534.19	98.0	10160.66	1070363	9.2213 ng/ml
EDDP	5.170	68177	1495.98	41.6	694.41	359784	10.0341 ng/ml
Fentanyl	4.952	1196	51.45	74.7	1650.69	65392	1.0294 ng/ml
Fluoxetine	5.669	10375	1639.09	7.6	731.90	43717	9.6933 ng/ml
Hydrocodone	2.891	54906	176.75	38.3	∞	349672	10.1612 ng/ml
Hydromorphone	1.506	45231	6087.81	73.2	∞	172569	9.9959 ng/ml
Ketamine	3.912	123727	32523.56	37.2	1218.72	551888	10.0015 ng/ml
Lamotrigine	4.148	10747	589.19	77.6	4519.94	551888	10.5331 ng/ml
Lorazepam	5.728	93776	679.24	56.7	225.35	133011	10.6855 ng/ml
Meprobamate	4.868	45269	32398.48	26.7	1546.84	238989	10.0923 ng/ml
Methadone	5.608	35693	3742.44	54.5	485.20	179483	10.0077 ng/ml
Methamphetamine	3.101	73740	273.00	41.5	492.57	242290	10.7596 ng/ml
Metoprolol	4.239	20264	602.90	95.4	628.38	1374694	9.7152 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.348	70321	4893.07	48.3	1476.11	561174	9.4765 ng/ml
Mitragynine	5.078	5826	22594.69	40.5	13789.43	179483	9.9112 ng/ml
Morphine	1.160	6418	183.03	24.6	526.41	7006	10.1146 ng/ml
Norbuprenorphine	4.896	125	6.55 Low	100.1 High	9.65 Low	5955	0.7779 ng/ml
Nordiazepam	5.868	62065	1408.78	57.9	1849.96	196893	10.2101 ng/ml
Norfentanyl	4.000	19298	583.87	37.5	80.82	835336	1.0203 ng/ml
Norhydrocodone	2.959	5647	138.21	44.5	72.05	60916	9.3901 ng/ml
Noroxycodone	2.789	54650	936.47	47.9	13.77	175148	10.1508 ng/ml
O-desmethyl-tramadol	3.274	300451	5164.37	5.9	1033.72	1613988	9.9410 ng/ml
Oxazepam	5.731	107881	∞	73.2	2619.92	647809	10.1895 ng/ml
Oxycodone	2.700	107764	489.46	31.1	313.70	493443	10.1454 ng/ml
Oxymorphone	1.310	45476	640.89	46.5	1206.60	163275	10.1961 ng/ml
Phentermine	3.671	29456	734.76	3.0	94.99	350179	10.2533 ng/ml
Promethazine	5.474	24460	706.41	30.1	340.76	109408	10.4402 ng/ml
Quetiapine	5.383	41097	2044.70	59.3	1167.71	52833	10.0765 ng/ml
Sertraline	5.730	5197	109.69	95.1	582.27	25324	9.1963 ng/ml
Temazepam	5.798	178189	665.40	29.7	383.32	962005	10.0157 ng/ml
Tramadol	4.159	274293	3602.37	3.3	∞	1374694	10.0149 ng/ml
Trazodone	4.715	40722	3460.79	76.7	2325.78	168113	10.3698 ng/ml
Venlafaxine	4.946	180906	1212.11	36.9	739.48	947397	10.1235 ng/ml
Zolpidem	4.514	284641	∞	30.2	3820.68	1314269	10.0413 ng/ml

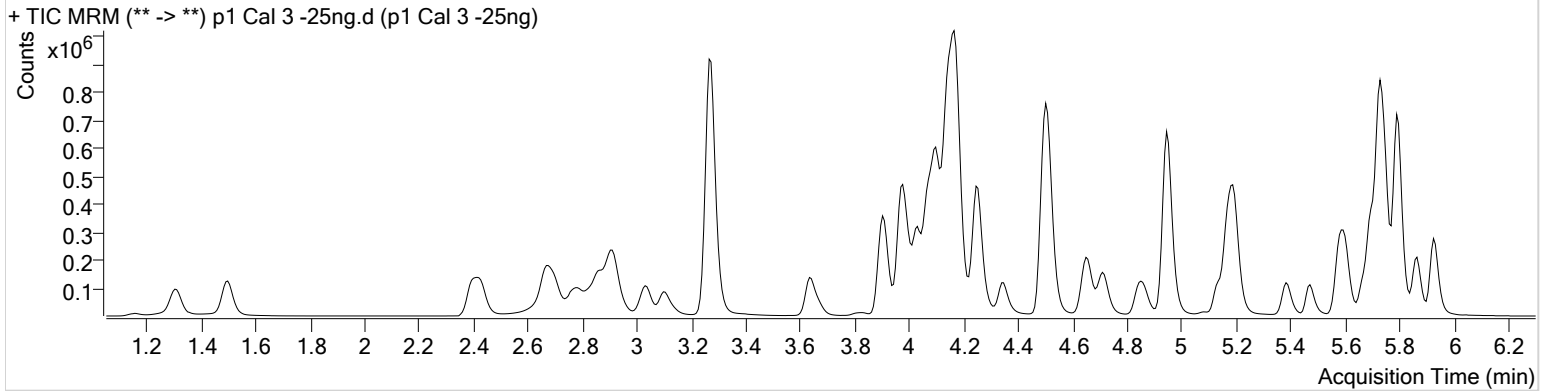
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-C1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 6:19:52 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	6980	6823.18	74.7	279.87	66225	2.4865 ng/ml
7-aminoclonazepam	3.996	138263	496.22	83.8	559.91	228024	26.8653 ng/ml
a-hydroxyalprazolam	5.674	59220	636.32	62.4	214.00	58320	25.6050 ng/ml
alpha-PVP	4.257	322645	9362.73	50.6	5986.27	568158	24.7690 ng/ml
Alprazolam	5.750	224897	279.89	103.0	957.31	243846	24.7203 ng/ml
Amphetamine	2.914	377021	4697.65	50.5	4387.54	180312	26.4428 ng/ml
Benzoylcegonine	3.833	14115	2005.91	8.1	85.91	20218	23.6914 ng/ml
Buprenorphine	5.402	3375	98.02	18.3	34.73	50195	2.5052 ng/ml
Bupropion	4.659	197355	3669.40	58.5	973.23	288665	24.9370 ng/ml
Carisoprodol	5.706	203622	37272.83	54.6	501.78	388746	25.5962 ng/ml
Citalopram	5.135	83786	2394.46	41.8	717.79	153608	24.6726 ng/ml
Clonazepam	5.587	273791	81053.00	33.6	1182.78	136059	25.1636 ng/ml
Cocaine	4.170	352311	33064.54	45.0	13117.65	1096297	24.2769 ng/ml
Codeine	2.429	44225	1730.53	101.3	3103.45	80724	27.4341 ng/ml
Cyclobenzaprine	5.570	33009	700.54	10.6	208.23	55298	23.7291 ng/ml
Dextromethorphan	5.171	38129	492.70	80.3	1302.72	73207	24.5022 ng/ml
Dextrorphan	4.031	79440	2724.64	210.6	1736.21	410440	24.6567 ng/ml
Diazepam	5.935	156434	1647.55	88.7	3089.22	300955	25.1733 ng/ml
Dihydrocodeine	2.427	114671	2534.45	65.3	817.02	246056	26.6819 ng/ml
Diphenhydramine	5.199	192492	1141.30	32.4	1101.45	537220	24.5313 ng/ml
Doxylamine	4.098	636574	25087.98	97.0	69851.75	1103885	25.5967 ng/ml
EDDP	5.170	178248	3763.40	42.7	408.96	389575	24.4133 ng/ml
Fentanyl	4.952	3611	88.38	62.5	165.43	83725	2.4639 ng/ml
Fluoxetine	5.669	34932	7176.73	8.4	100.83	57602	25.7808 ng/ml
Hydrocodone	2.891	129865	600.58	42.2	606.05	313995	28.2798 ng/ml
Hydromorphone	1.500	106483	4208.19	77.6	∞	163693	25.1125 ng/ml
Ketamine	3.912	307948	13301.62	39.2	480.41	561682	25.3431 ng/ml
Lamotrigine	4.148	26413	351.19	79.8	4792.59	561682	26.4961 ng/ml
Lorazepam	5.728	229721	1006.45	55.3	594.01	136059	27.3736 ng/ml
Meprobamate	4.868	116874	19906.84	26.4	5181.89	245419	26.1287 ng/ml
Methadone	5.608	99039	972.46	51.9	2302.78	196484	24.5847 ng/ml
Methamphetamine	3.101	154970	703.46	42.1	408.26	237566	25.9580 ng/ml
Metoprolol	4.239	52603	2728.43	96.3	1088.32	1395390	25.8376 ng/ml

AM #28 Multi-Drug Quant. Results

\$



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.348	188359	2492.39	48.8	19372.92	568158	24.8470 ng/ml
Mitragynine	5.078	15568	2604.28	39.6	112.77	196484	24.6275 ng/ml
Morphine	1.160	15595	1611.27	24.0	1157.25	6798	25.6428 ng/ml
Norbuprenorphine	4.896	378	20.44	73.1	20.68	6728	2.5328 ng/ml
Nordiazepam	5.868	152774	3884.71	57.9	796.87	198379	25.4430 ng/ml
Norfentanyl	4.000	48373	1475.05	37.9	342.20	863000	2.6051 ng/ml
Norhydrocodone	2.959	14296	99.17	42.0	159.10	61468	22.3119 ng/ml
Noroxycodone	2.783	135698	∞	48.6	1687.15	179664	25.2284 ng/ml
O-desmethyl-tramadol	3.274	744258	2928.37	6.1	716.85	1643690	24.4082 ng/ml
Oxazepam	5.731	264884	2844.25	72.2	3448.56	644357	25.8630 ng/ml
Oxycodone	2.693	263273	3277.56	31.2	2782.56	501291	25.0784 ng/ml
Oxymorphone	1.310	111705	2582.26	49.0	∞	169139	24.7252 ng/ml
Phentermine	3.671	72296	1554.95	3.2	∞	354996	26.1588 ng/ml
Promethazine	5.474	78386	1478.15	30.9	604.73	145263	24.6901 ng/ml
Quetiapine	5.383	111853	989.09	58.7	6967.66	57403	25.2131 ng/ml
Sertraline	5.730	19133	246.72	94.7	412.28	32773	25.4608 ng/ml
Temazepam	5.798	438141	1809.00	30.1	1565.22	980026	24.2026 ng/ml
Tramadol	4.153	675748	3849.99	3.4	444.37	1395390	25.3714 ng/ml
Trazodone	4.715	114700	3313.72	77.1	9011.96	195009	24.7130 ng/ml
Venlafaxine	4.946	464500	28901.03	36.4	805.44	967988	24.4528 ng/ml
Zolpidem	4.514	709195	24105.12	30.8	23065.93	1326377	25.4765 ng/ml

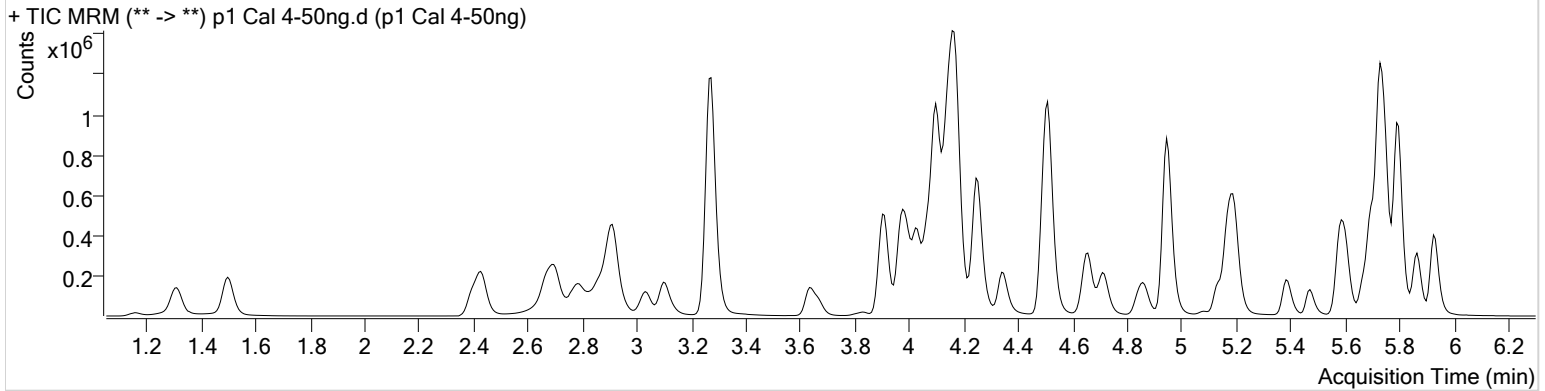
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-D1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 6:30:25 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	13769	2305.60	72.9	300.42	66396	4.8788 ng/ml
7-aminoclonazepam	3.996	281947	449.67	83.3	56812.47	233940	54.3827 ng/ml
a-hydroxyalprazolam	5.674	113860	360.53	64.4	308.28	54179	53.2748 ng/ml
alpha-PVP	4.257	629217	16655.32	51.1	1843.08	554707	49.0959 ng/ml
Alprazolam	5.750	424609	327.82	106.0	1713.69	234250	48.0000 ng/ml
Amphetamine	2.914	762698	5726.93	50.6	4965.90	182818	54.1083 ng/ml
Benzoylcegonine	3.833	28031	17719.78	7.9	376.31	19800	47.8068 ng/ml
Buprenorphine	5.402	5732	334.15	15.7	64.41	44421	4.8575 ng/ml
Bupropion	4.659	380843	2445.52	59.7	2918.89	272629	51.2881 ng/ml
Carisoprodol	5.706	395382	85504.15	54.9	622.76	386159	50.6066 ng/ml
Citalopram	5.135	159867	2909.79	42.3	793.27	145893	49.2904 ng/ml
Clonazepam	5.587	541857	2254.92	32.5	2540.76	130222	52.7097 ng/ml
Cocaine	4.170	706357	2485299.79	44.7	19941.70	1060486	50.0414 ng/ml
Codeine	2.436	85276	2219.24	102.9	2209.93	80249	54.1159 ng/ml
Cyclobenzaprine	5.570	57658	2745.98	9.4	144.62	45036	50.8648 ng/ml
Dextromethorphan	5.171	70768	567.11	81.0	4812.66	65080	50.9720 ng/ml
Dextrorphan	4.031	153441	2715.61	212.7	4698.32	395795	49.1371 ng/ml
Diazepam	5.935	307615	2422.09	88.9	4215.12	291225	51.4940 ng/ml
Dihydrocodeine	2.427	220982	1299.89	67.1	2626.79	240630	53.3681 ng/ml
Diphenhydramine	5.199	366501	13803.57	33.6	1300.34	504369	49.2878 ng/ml
Doxylamine	4.098	1264952	36805.67	98.3	70531.28	1083140	53.8451 ng/ml
EDDP	5.176	346042	1139.39	41.9	551.95	366243	50.5541 ng/ml
Fentanyl	4.952	6134	448.31	69.2	8464.27	69862	5.0439 ng/ml
Fluoxetine	5.669	57476	2064.11	8.7	535.78	47484	52.1055 ng/ml
Hydrocodone	2.884	258531	∞	41.8	2297.45	311383	57.7051 ng/ml
Hydromorphone	1.500	229223	10305.57	70.0	3509.64	155077	57.3237 ng/ml
Ketamine	3.912	608691	2723.56	39.0	777.20	549365	51.8408 ng/ml
Lamotrigine	4.148	51170	5164.61	80.1	∞	549365	53.2167 ng/ml
Lorazepam	5.728	427441	3636.84	56.4	4470.21	130222	54.4245 ng/ml
Meprobamate	4.868	226765	907.77	25.9	333.93	235913	53.2470 ng/ml
Methadone	5.608	184347	5968.94	54.4	1097.71	181135	49.1200 ng/ml
Methamphetamine	3.101	313761	2179.56	42.5	866.93	249955	52.2922 ng/ml
Metoprolol	4.239	102461	4444.73	96.3	4219.04	1347208	52.7755 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	355839	11060.34	48.2	1818.20	554707	47.9505 ng/ml
Mitragynine	5.078	29628	2510.75	37.6	1723.26	181135	51.1596 ng/ml
Morphine	1.160	31450	424.10	23.8	1398.76	6943	50.8302 ng/ml
Norbuprenorphine	4.896	641	26.67	72.5	26.68	6266	4.8353 ng/ml
Nordiazepam	5.868	294248	6565.73	58.4	3561.79	191098	51.2169 ng/ml
Norfentanyl	3.993	96284	16039.23	37.3	166.64	845806	5.3844 ng/ml
Norhydrocodone	2.959	28281	279.57	44.8	61.74	60043	44.3371 ng/ml
Noroxycodone	2.789	270856	2551.35	49.5	11091.21	173407	52.6677 ng/ml
O-desmethyl-tramadol	3.274	1472052	11717.56	6.0	1749.97	1595328	49.9052 ng/ml
Oxazepam	5.731	513521	∞	70.2	13420.74	610783	53.4012 ng/ml
Oxycodone	2.700	536267	1246.29	31.2	671.78	491972	52.5714 ng/ml
Oxymorphone	1.310	219948	∞	48.9	1313.00	165034	50.3023 ng/ml
Phentermine	3.671	147455	2363.92	3.0	241.80	355081	54.3170 ng/ml
Promethazine	5.474	125303	6207.91	32.6	854.07	119807	47.5166 ng/ml
Quetiapine	5.383	206807	1417.04	60.8	9097.21	53302	50.1841 ng/ml
Sertraline	5.730	29540	407.15	93.1	1974.89	26529	48.2170 ng/ml
Temazepam	5.798	868842	71500.61	30.4	934.81	941038	50.0040 ng/ml
Tramadol	4.153	1320968	4615.49	3.4	545.02	1347208	52.1351 ng/ml
Trazodone	4.715	201287	4680.26	80.1	79860.76	174453	48.1646 ng/ml
Venlafaxine	4.946	905435	2826.64	36.3	9212.73	937198	48.5696 ng/ml
Zolpidem	4.507	1410380	157733.89	30.7	5167.53	1281379	52.9393 ng/ml

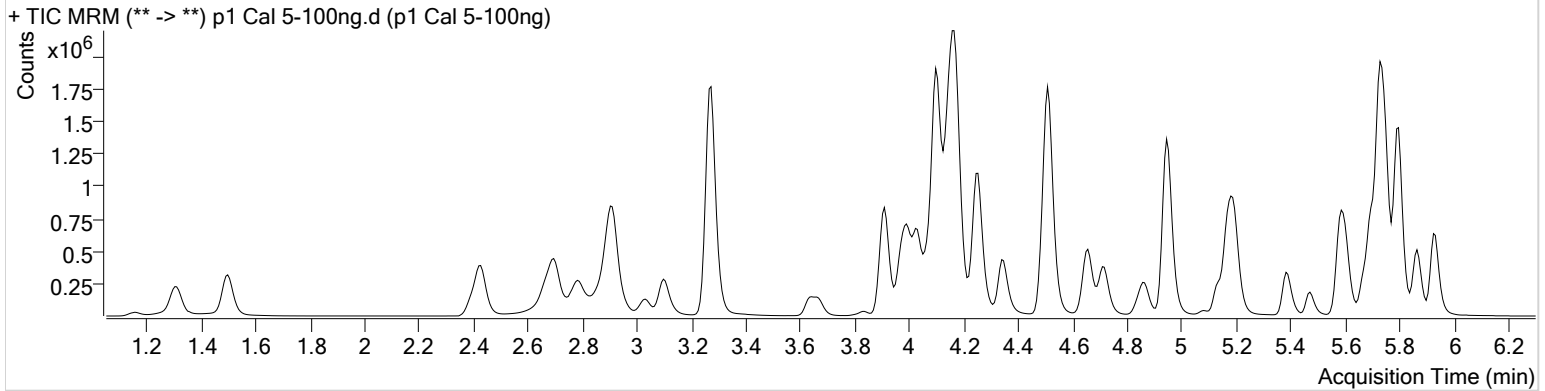
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-E1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 6:40:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	27928	4994.86	70.4	1147.45	67699	9.6910 ng/ml
7-aminoclonazepam	3.996	551047	827.03	83.3	764.43	239155	104.8788 ng/ml
a-hydroxyalprazolam	5.674	220499	2822.42	63.9	656.21	54980	101.9082 ng/ml
alpha-PVP	4.257	1225644	8320.48	51.2	2362.88	552130	95.7155 ng/ml
Alprazolam	5.750	801750	2284.52	105.6	4398.69	220163	95.8227 ng/ml
Amphetamine	2.914	1468068	19825.05	50.9	∞	183843	104.8075 ng/ml
Benzoylcegonine	3.833	57147	2619.00	8.0	666.29	20963	91.8461 ng/ml
Buprenorphine	5.402	10952	583.61	16.0	296.59	42653	9.7205 ng/ml
Bupropion	4.659	718802	17485.65	59.2	2585.23	263530	100.4499 ng/ml
Carisoprodol	5.699	753564	649496.37	54.1	2192.05	368557	101.6556 ng/ml
Citalopram	5.135	310543	2553.53	42.4	1299.01	144336	96.5178 ng/ml
Clonazepam	5.587	1038782	38788.89	33.2	468.02	132617	99.7824 ng/ml
Cocaine	4.170	1347125	93071.44	45.2	903926.95	1055179	95.6804 ng/ml
Codeine	2.429	162695	1894.24	104.1	1244.74	80019	104.4219 ng/ml
Cyclobenzaprine	5.570	99918	158980.42	9.5	546.87	41411	95.8419 ng/ml
Dextromethorphan	5.171	130835	2233.06	81.1	1752.82	63239	96.8289 ng/ml
Dextrorphan	4.031	304229	6741.06	210.1	4236.24	396382	97.0357 ng/ml
Diazepam	5.935	593494	914.57	88.5	1173.82	287572	100.9247 ng/ml
Dihydrocodeine	2.427	434632	4031.53	65.8	5455.88	245349	103.7021 ng/ml
Diphenhydramine	5.199	718062	873.35	33.3	10240.42	505333	95.9529 ng/ml
Doxylamine	4.098	2469628	33586.82	96.4	68146.84	1070385	108.2871 ng/ml
EDDP	5.170	682199	5262.26	42.8	1249.05	378374	96.5878 ng/ml
Fentanyl	4.952	10873	411.61	68.0	396.27	63303	9.8919 ng/ml
Fluoxetine	5.669	90984	1249.58	8.0	∞	39911	98.7087 ng/ml
Hydrocodone	2.884	540501	1004.25	36.7	∞	355212	106.5281 ng/ml
Hydromorphone	1.500	404696	∞	76.8	∞	171130	91.8353 ng/ml
Ketamine	3.912	1213553	2302.71	38.5	1563.20	562237	101.5692 ng/ml
Lamotrigine	4.148	96464	4234.71	79.8	∞	562237	98.6565 ng/ml
Lorazepam	5.728	778300	∞	56.6	2215.43	132617	98.3156 ng/ml
Meprobamate	4.868	433602	2619.95	26.6	897.43	235414	102.4876 ng/ml
Methadone	5.608	359385	4488.07	52.8	3213.12	176849	97.5735 ng/ml
Methamphetamine	3.101	547291	6336.68	42.1	1193.71	231229	100.8425 ng/ml
Metoprolol	4.239	198956	13597.92	95.4	17784.23	1348716	102.9630 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	720997	∞	48.7	7949.67	552130	97.4691 ng/ml
Mitragynine	5.078	55869	5349.68	39.8	408.65	176849	99.0912 ng/ml
Morphine	1.160	61577	2451.52	23.7	1028.47	6925	99.9800 ng/ml
Norbuprenorphine	4.903	1275	185.83	84.0	103.35	6157	10.0686 ng/ml
Nordiazepam	5.868	567840	65007.40	57.9	3415.75	188522	100.5197 ng/ml
Norfentanyl	4.000	183733	25354.32	37.5	290.39	852132	10.2798 ng/ml
Norhydrocodone	2.959	55509	877.82	41.7	67.95	57525	89.9654 ng/ml
Noroxycodone	2.783	522912	8543.01	48.4	752.64	174611	101.4026 ng/ml
O-desmethyl-tramadol	3.274	2915247	79821.77	6.0	∞	1608532	98.1743 ng/ml
Oxazepam	5.731	929924	5994.35	70.2	12991.94	571165	103.8639 ng/ml
Oxycodone	2.693	1056523	3993.05	31.4	1585.00	509929	100.3624 ng/ml
Oxymorphone	1.310	428009	∞	48.7	∞	167333	96.9092 ng/ml
Phentermine	3.671	268673	∞	2.9	363.42	350817	100.9652 ng/ml
Promethazine	5.474	224272	581.74	31.0	800.47	105964	95.7889 ng/ml
Quetiapine	5.383	438961	1560.09	58.9	1088229.33	57612	98.5315 ng/ml
Sertraline	5.730	46437	4108.73	90.0	541.14	19508	102.6452 ng/ml
Temazepam	5.798	1699089	4092.40	30.1	1114.50	935051	98.4321 ng/ml
Tramadol	4.153	2571981	4081.43	3.4	892.50	1348716	102.1007 ng/ml
Trazodone	4.715	426179	9349.24	79.3	66596.32	183258	96.7459 ng/ml
Venlafaxine	4.946	1812827	5097.17	36.2	2435.23	954229	94.8777 ng/ml
Zolpidem	4.507	2804630	357229.67	30.1	∞	1337311	101.2934 ng/ml

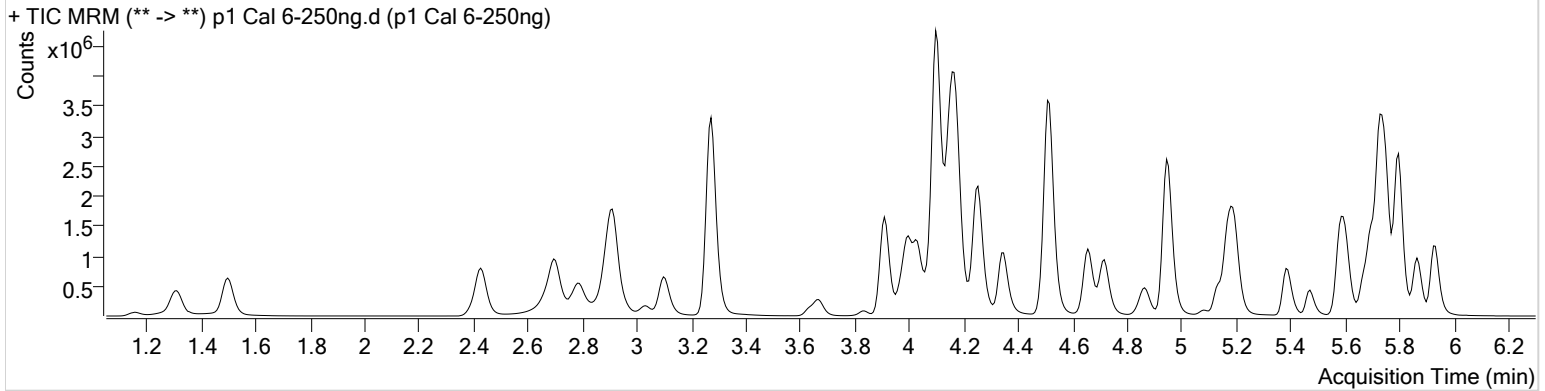
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-F1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 6:51:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	70029	9135.05	70.3	1080.37	63663	25.8168 ng/ml
7-aminoclonazepam	3.996	1308378	5439.79	83.1	19561.52	229125	261.3928 ng/ml
a-hydroxyalprazolam	5.674	499974	4525.99	62.8	1207.58	50296	252.9826 ng/ml
alpha-PVP	4.257	2774126	5009.45	50.6	16824.49	486354	245.3449 ng/ml
Alprazolam	5.750	1763899	1834.68	105.5	2645.98	186870	247.4127 ng/ml
Amphetamine	2.914	3152724	24993.22	50.6	86178.65	171815	242.5927 ng/ml
Benzoylcegonine	3.833	145792	∞	7.6	820.79	20158	243.3051 ng/ml
Buprenorphine	5.402	26802	∞	17.4	499.62	40713	25.0068 ng/ml
Bupropion	4.659	1699838	4311.10	59.1	9368.94	248363	252.5389 ng/ml
Carisoprodol	5.706	1602129	3601812.44	52.7	13831.40	315477	253.3804 ng/ml
Citalopram	5.135	750133	2816.11	42.4	3968.06	136460	246.1765 ng/ml
Clonazepam	5.587	2308232	7146.21	32.4	53390.36	113034	261.1525 ng/ml
Cocaine	4.170	2978963	250369.36	44.3	96648.15	920292	242.1998 ng/ml
Codeine	2.436	339796	10406.30	104.2	5234.76	73431	238.8864 ng/ml
Cyclobenzaprine	5.570	282370	20179.16	9.6	561.72	44393	252.6138 ng/ml
Dextromethorphan	5.171	329774	1340.63	79.8	2495.65	62787	245.5541 ng/ml
Dextrorphan	4.031	676797	3123.10	210.9	22179.00	343768	248.5167 ng/ml
Diazepam	5.935	1282690	7245.57	87.8	1175.18	252111	249.2859 ng/ml
Dihydrocodeine	2.427	971009	1125.39	65.9	3856.39	232356	245.7422 ng/ml
Diphenhydramine	5.199	1762965	2089.27	32.8	3720.88	483430	245.5511 ng/ml
Doxylamine	4.098	6345343	∞	95.8	144399.14	1073184	280.5611 ng/ml
EDDP	5.170	1641812	∞	42.1	3231.09	354195	248.5274 ng/ml
Fentanyl	4.952	29175	282.58	65.0	64458.53	64610	26.0504 ng/ml
Fluoxetine	5.669	255684	6049.96	9.1	1132.02	44544	249.5286 ng/ml
Hydrocodone	2.884	1141611	∞	43.4	792.81	328066	244.8124 ng/ml
Hydromorphone	1.500	920579	∞	79.2	9795.31	142816	250.6717 ng/ml
Ketamine	3.912	2770296	149537.97	38.3	11932.48	511742	255.6625 ng/ml
Lamotrigine	4.148	194511	∞	78.6	8549.36	511742	219.4723 ng/ml
Lorazepam	5.728	1378269	14988.29	55.9	18659.84	113034	205.6454 ng/ml
Meprobamate	4.868	918651	109677.37	26.0	4609.47	204963	250.1103 ng/ml
Methadone	5.608	909932	2666.67	53.1	10490.97	179072	243.2173 ng/ml
Methamphetamine	3.101	1286520	3300.33	42.3	5863.78	222072	250.4928 ng/ml
Metoprolol	4.239	442271	19726.14	95.7	10079.40	1195893	259.0912 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.348	1783527	17461.71	48.8	39461.16	486354	273.4705 ng/ml
Mitragynine	5.078	140516	6534.27	39.1	5541.22	179072	246.5758 ng/ml
Morphine	1.160	141134	2236.85	23.8	3018.17	6370	249.4468 ng/ml
Norbuprenorphine	4.903	2793	183.89	85.2	1039.57	5362	25.7370 ng/ml
Nordiazepam	5.868	1221696	2192.86	58.3	20691.17	163624	249.6852 ng/ml
Norfentanyl	4.000	413712	1631.91	37.6	2826.20	797735	24.8530 ng/ml
Norhydrocodone	2.959	127864	∞	42.3	590.16	47883	247.5032 ng/ml
Noroxycodone	2.789	1161616	2609.89	48.8	975.14	156592	251.8631 ng/ml
O-desmethyl-tramadol	3.274	6888546	16262.86	5.8	8323.91	1464903	254.9783 ng/ml
Oxazepam	5.731	1792654	∞	71.3	∞	438556	261.4960 ng/ml
Oxycodone	2.693	2511178	11857.61	31.1	2248.13	480644	253.8163 ng/ml
Oxymorphone	1.310	954639	∞	49.2	1673.99	148759	243.7385 ng/ml
Phentermine	3.671	641008	9645.01	2.9	976.68	325549	261.0573 ng/ml
Promethazine	5.474	632651	2952.18	31.9	11989.70	117252	243.6386 ng/ml
Quetiapine	5.383	1129310	∞	59.6	7898.07	58929	247.8001 ng/ml
Sertraline	5.730	117936	3021.39	91.8	839.97	20760	244.4387 ng/ml
Temazepam	5.798	3868229	375517.15	29.1	3700.61	821894	254.9801 ng/ml
Tramadol	4.153	5766329	73711.29	3.3	5837.81	1195893	259.3001 ng/ml
Trazodone	4.715	1185038	151479.49	79.2	12985.71	199135	247.0551 ng/ml
Venlafaxine	4.946	4275895	5493.20	35.6	17889.14	867765	245.0448 ng/ml
Zolpidem	4.514	6623697	69709.07	29.6	26066.17	1230006	260.8276 ng/ml

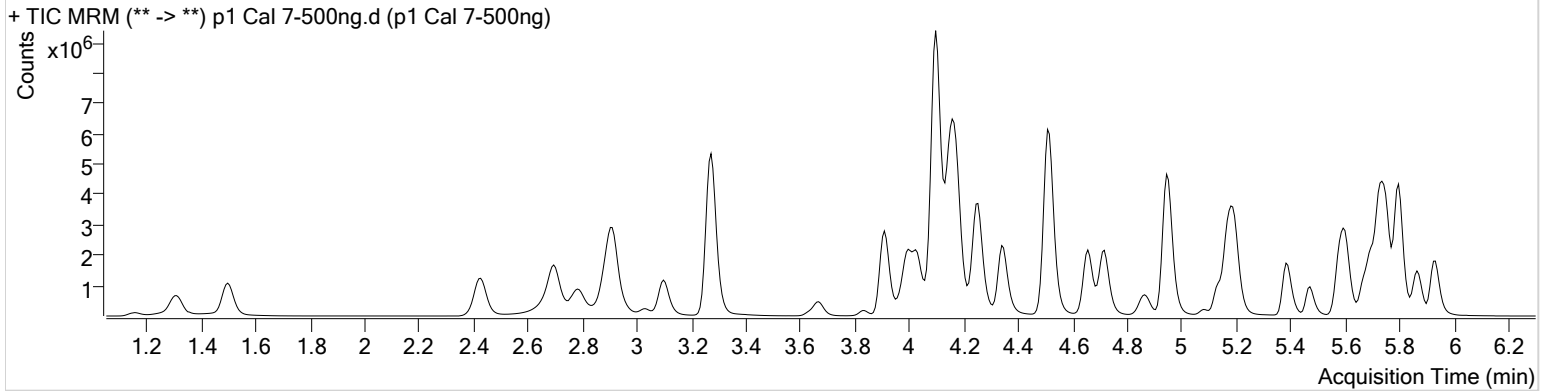
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-G1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 7:02:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	138727	2333.85	70.6	4647.46	63961	50.8905 ng/ml
7-aminoclonazepam	3.996	2348928	107179.78	84.6	3480.77	228772	470.7961 ng/ml
a-hydroxyalprazolam	5.674	848245	1768.16	63.1	450.41	44860	481.4567 ng/ml
alpha-PVP	4.257	5164925	9079.48	49.8	10750.88	448556	494.8933 ng/ml
Alprazolam	5.750	2977455	1663.86	105.2	∞	156394	498.3987 ng/ml
Amphetamine	2.914	5336745	63374.93	50.6	37943.10	168616	419.4196 ng/ml
Benzoylcegonine	3.833	318289	34272.89	7.6	2126.06	20829	513.8201 ng/ml
Buprenorphine	5.402	57039	438.46	16.4	2772.14	42202	51.3990 ng/ml
Bupropion	4.659	3424380	23326.73	59.3	4565.71	251077	503.5682 ng/ml
Carisoprodol	5.699	2461628	109893.97	55.0	13426.99	252801	486.3823 ng/ml
Citalopram	5.135	1597503	3912.67	42.2	14644.61	144720	494.0633 ng/ml
Clonazepam	5.587	3755969	327816.46	33.0	19773.36	97736	492.0220 ng/ml
Cocaine	4.170	5320203	263268.53	44.0	230393.27	802166	495.9780 ng/ml
Codeine	2.436	554454	4345.65	103.1	1234.18	68425	419.0354 ng/ml
Cyclobenzaprine	5.570	679701	38861.52	9.5	866.28	53339	506.0642 ng/ml
Dextromethorphan	5.171	681814	76831.72	78.1	54349.98	63151	504.5846 ng/ml
Dextrorphan	4.031	1245002	∞	211.1	1824.59	315543	497.8001 ng/ml
Diazepam	5.935	2162190	3471.97	88.8	9988.55	213572	496.3656 ng/ml
Dihydrocodeine	2.421	1674369	∞	66.0	∞	229489	429.6489 ng/ml
Diphenhydramine	5.199	3780938	223193.07	32.6	749.17	515908	493.0144 ng/ml
Doxylamine	4.098	12863015	382153.43	97.0	291220.92	1119897	546.8640 ng/ml
EDDP	5.170	3638882	4800.57	41.6	2248.39	387256	503.9400 ng/ml
Fentanyl	4.952	62415	340.45	67.0	1112.78	71781	50.1886 ng/ml
Fluoxetine	5.669	566652	∞	8.8	∞	49173	501.6062 ng/ml
Hydrocodone	2.884	2035724	∞	37.8	1240.70	321588	446.1041 ng/ml
Hydromorphone	1.500	1677602	5963.57	77.2	∞	144262	452.3943 ng/ml
Ketamine	3.912	5057769	333164.64	38.2	6041.47	488349	489.6844 ng/ml
Lamotrigine	4.141	282809	15954.53	77.9	28060.04	488349	334.7807 ng/ml
Lorazepam	5.722	1656171	9269.56	57.3	14810.49	97736	286.2868 ng/ml
Meprobamate	4.868	1498693	96862.07	26.0	1627.88	191209	437.7558 ng/ml
Methadone	5.608	2068242	32192.23	52.2	20868.77	200447	493.3465 ng/ml
Methamphetamine	3.101	2359844	7501.53	42.2	3516.50	210687	486.6683 ng/ml
Metoprolol	4.239	764560	∞	96.6	24879.67	1095789	489.3772 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	3938629	45417.21	48.8	24738.08	448556	654.6158 ng/ml
Mitragynine	5.078	321748	71089.57	38.8	692174.25	200447	504.7051 ng/ml
Morphine	1.160	263210	9053.17	24.3	756.23	6013	493.0004 ng/ml
Norbuprenorphine	4.903	5523	217.92	89.8	435.92	5684	48.2387 ng/ml
Nordiazepam	5.868	2035460	∞	58.1	∞	139420	488.5504 ng/ml
Norfentanyl	3.993	689431	19356.97	37.3	977.42	765215	43.2435 ng/ml
Norhydrocodone	2.959	227669	∞	42.9	∞	36726	573.4821 ng/ml
Noroxycodone	2.783	1980991	2338.86	48.9	34872.40	137086	491.0758 ng/ml
O-desmethyl-tramadol	3.274	12645272	∞	5.8	3139.22	1328413	516.3175 ng/ml
Oxazepam	5.731	2288353	∞	73.9	25965.40	307897	475.8524 ng/ml
Oxycodone	2.693	4773744	9006.39	31.3	7700.68	476607	487.0355 ng/ml
Oxymorphone	1.310	1704343	∞	46.3	∞	127630	507.6257 ng/ml
Phentermine	3.671	1184911	11524.62	2.8	1763.90	322508	487.9319 ng/ml
Promethazine	5.474	1526711	14804.01	31.1	1659.85	140015	491.9971 ng/ml
Quetiapine	5.383	2545087	151160.39	59.8	16588.84	64886	507.1630 ng/ml
Sertraline	5.730	248015	7074.49	90.1	691.80	21098	505.4238 ng/ml
Temazepam	5.798	6856470	1547.24	28.9	26464.52	732773	506.9415 ng/ml
Tramadol	4.153	10149220	6797.13	3.2	3129.66	1095789	498.7700 ng/ml
Trazodone	4.715	2910541	15242.48	78.3	14031.10	243315	496.2788 ng/ml
Venlafaxine	4.946	8426488	∞	35.1	53713.48	846024	494.6520 ng/ml
Zolpidem	4.507	12176449	819842.24	29.5	∞	1178300	500.9535 ng/ml

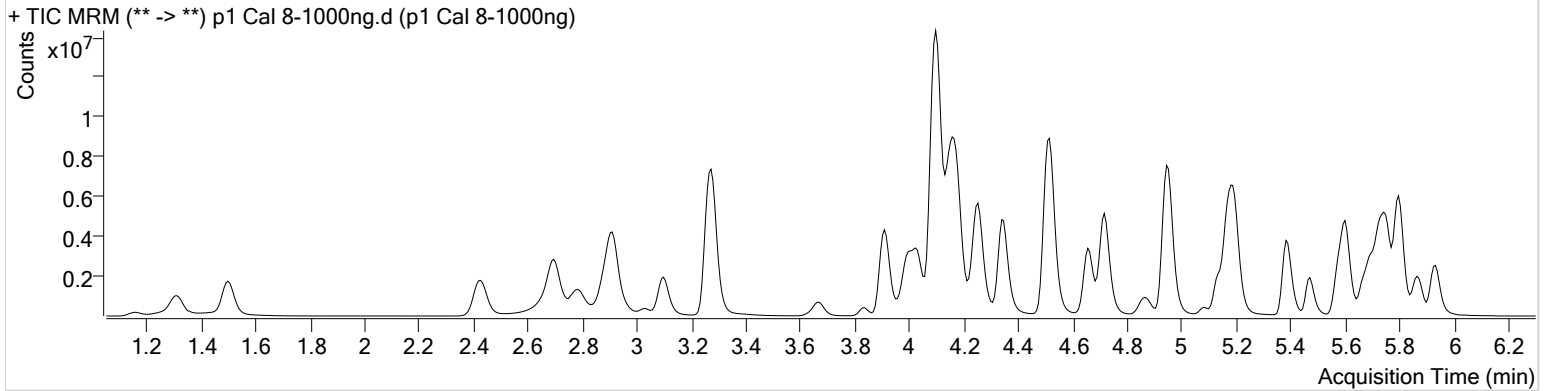
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\052620 AM 27 28 SP\QuantResults\AM 28 SP.batch.bin
Calibration Last Update 5/27/2020 11:11:43 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 01112020.m	Operator	Sarah Pickle
Sample Position	P1-H1	Comment	
Injection Volume	2		
Acq. Date-Time	5/26/2020 7:12:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	279655	2377.57	70.6	2302.09	65261	100.5307 ng/ml
7-aminoclonazepam	3.996	3799218	∞	82.5	∞	213907	815.1233 ng/ml
a-hydroxyalprazolam	5.674	1308670	102.50	62.6	245.35	36262	919.1465 ng/ml
alpha-PVP	4.257	8522589	244203.98	49.7	∞	360850	1014.7005 ng/ml
Alprazolam	5.750	4591695	595.85	106.1	606.04	118928	1010.1204 ng/ml
Amphetamine	2.914	7792461	43229.67	50.5	53068.24	156881	658.9983 ng/ml
Benzoylcegonine	3.833	740821	77615.78	7.7	∞	21260	1171.3884 ng/ml
Buprenorphine	5.402	107327	7862.11	16.1	927.14	38608	105.7744 ng/ml
Bupropion	4.659	5475822	17590.78	58.5	17634.20	203771	992.4897 ng/ml
Carisoprodol	5.699	3503927	203494.72	53.5	23408.93	180339	971.1055 ng/ml
Citalopram	5.135	3191795	7407.95	41.1	5061.95	140864	1013.8704 ng/ml
Clonazepam	5.587	5232797	80933.87	32.9	55610.06	73807	908.2618 ng/ml
Cocaine	4.177	8618395	736120.35	42.3	∞	634009	1016.2807 ng/ml
Codeine	2.436	830278	2024.50	102.3	2863.63	62825	684.0267 ng/ml
Cyclobenzaprine	5.570	1353313	7277.88	9.6	5900.52	52145	1030.6541 ng/ml
Dextromethorphan	5.171	1175663	839.63	78.9	3058.16	54806	1002.3876 ng/ml
Dextrorphan	4.031	2081146	7033.06	212.0	29588.18	260583	1007.3721 ng/ml
Diazepam	5.935	3343723	∞	86.6	11105.50	168028	975.9806 ng/ml
Dihydrocodeine	2.421	2686805	∞	66.4	1743.49	223666	707.9191 ng/ml
Diphenhydramine	5.199	7355271	89871.52	32.1	30307.94	486710	1016.1477 ng/ml
Doxylamine	4.098	21766713	234958.20	95.4	529239.42	1138235	911.7924 ng/ml
EDDP	5.170	7284908	∞	41.0	2333.57	376558	1037.6709 ng/ml
Fentanyl	4.952	107206	1356.36	71.1	1432.11	64876	95.4056 ng/ml
Fluoxetine	5.662	970229	39506.83	8.8	∞	42356	997.7209 ng/ml
Hydrocodone	2.884	3447013	∞	40.0	∞	299297	812.3888 ng/ml
Hydromorphone	1.500	2875837	∞	76.8	4242.78	108212	1034.1390 ng/ml
Ketamine	3.912	8552620	455112.15	37.4	5258.29	430984	938.8259 ng/ml
Lamotrigine	4.134	345501	23087.56	80.6	15812.04	430984	463.7199 ng/ml
Lorazepam	5.722	1646375	13116.91	56.4	6008.15	73807	377.2678 ng/ml
Meprobamate	4.868	2158733	134642.13	25.9	57728.48	163679	736.9435 ng/ml
Methadone	5.608	4333863	2592.84	51.0	31814.31	203697	1016.7432 ng/ml
Methamphetamine	3.101	4011251	5912.70	41.9	22910.23	192813	906.0953 ng/ml
Metoprolol	4.239	1162193	46774.10	95.8	∞	912139	894.1934 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.341	8510637	115661.45	47.9	∞	360850	1758.0720 ng/ml
Mitragynine	5.078	652995	29768.94	39.4	43198.05	203697	1008.2711 ng/ml
Morphine	1.160	459894	29345.35	24.4	1922.38	5314	974.8471 ng/ml
Norbuprenorphine	4.903	10703	377.57	81.6	122.24	5231	101.8727 ng/ml
Nordiazepam	5.868	3021911	∞	57.2	2505.03	104048	972.2411 ng/ml
Norfentanyl	3.993	974451	6082.39	37.7	11057.39	698042	67.0526 ng/ml
Norhydrocodone	2.952	423278	93.54	42.5	1394.47	33189	1178.9634 ng/ml
Noroxycodone	2.783	3087585	7290.65	47.7	5410.17	112408	933.8455 ng/ml
O-desmethyl-tramadol	3.274	20222647	360447.04	6.0	7333.26	1109177	989.0605 ng/ml
Oxazepam	5.731	2354455	∞	75.1	3219.21	173938	867.0633 ng/ml
Oxycodone	2.693	8958020	6704.14	30.9	4550.05	458270	950.9615 ng/ml
Oxymorphone	1.310	2879027	6109.50	46.0	2209.45	106038	1032.5175 ng/ml
Phentermine	3.671	1927708	13461.64	2.6	1650.90	303881	843.1458 ng/ml
Promethazine	5.474	3193894	9650.71	30.7	2909.75	141160	1020.5231 ng/ml
Quetiapine	5.383	5763029	9415.70	59.7	2344.24	74934	994.4040 ng/ml
Sertraline	5.724	394059	∞	88.8	1149.91	16949	999.2015 ng/ml
Temazepam	5.798	10549767	289970.06	28.4	83392.77	567992	1006.3196 ng/ml
Tramadol	4.153	15140076	13042.52	3.4	13907.22	912139	894.4339 ng/ml
Trazodone	4.715	7279900	368066.51	78.1	386047.32	298518	1011.4150 ng/ml
Venlafaxine	4.946	15071270	∞	35.3	4801.08	735649	1016.7640 ng/ml
Zolpidem	4.514	19569029	23466.47	31.1	288367.67	1087669	872.5248 ng/ml