

Worklist: 6796

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-1346	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1406	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1545	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1601	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1602	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1628	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1116	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1123	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1149	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1173	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1194	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1206	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1211	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1216	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1219	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1254	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1313	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1314	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1326	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 6796

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-1328	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-1354	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

TS

Extraction Date: 05/02/2024

Plate lot#: 231215

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

Blank Blood Lot: Lampire 23A52595

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

Analyst: Tamara Salazar

Plate Retest Date: 06/15/2024

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: N/A

LCMS-QQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. **Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **200-450µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate. *Transferred: 250uL*
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 17. Reconstitute in 100µL 20% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS:

Evaluated Compounds:

7-aminoclonazepam: 5-500---calibrator 8 dropped due to accuracy

9-hydroxyrisperidone

Alpha-hydroxyalprazolam

Alprazolam

Amphetamine: 5-250--calibrators 7 and 8 dropped due to accuracy

Bromazolam

TS

Buprenorphine: 2.5-100--calibrators 1 and 2 dropped due to ratio and poor response

Citalopram

Clonazepam: 5-500--calibrator 8 dropped due to accuracy

Cyclobenzaprine

Diazepam

Diphenhydramine qualitative only due to QC 100 accuracy

Doxylamine

Duloxetine

EDDP

Fentanyl

Fluoxetine

Hydroxyzine

Lamotrigine: 5-500--calibrator 8 dropped due to accuracy

Lorazepam

Methadone

Methamphetamine: 5-500--calibrator 8 dropped due to linearity

Metoprolol: 5-500--calibrator 8 dropped due to linearity

Mitragynine

Morphine

Norbuprenorphine: 2.5-100--calibrators 1 and 2 dropped due to ratio and poor response

Nordiazepam

Norfentanyl: 0.5-50--calibrator 8 dropped due to linearity

Noroxycodone

O-desmethyl-tramadol

Olanzapine

Oxazepam

Oxycodone

Phentermine--calibrator 8 dropped due to linearity

Promethazine

Sertraline

Temazepam

Tramadol

Trazodone--calibrator 8 dropped due to accuracy

Zolpidem

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2024-1545-3	P2024-1175-1	P2024-1313-1							IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2024-1601-1	P2024-1194-1	P2024-1314-1							IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2024-1602-1	P2024-1195-1	P2024-1326-1							IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2024-1628-2	P2024-1206-1	P2024-1328-1						IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2024-1116-1	P2024-1211-1	P2024-1354-1						IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2024-1123-2	P2024-1216-1							IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2024-1346-1	P2024-1149-1	P2024-1219-1							IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2024-1406-1	P2024-1173-1	P2024-1254-1							IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

AM #28 Multi-Drug Quant. Results

TS

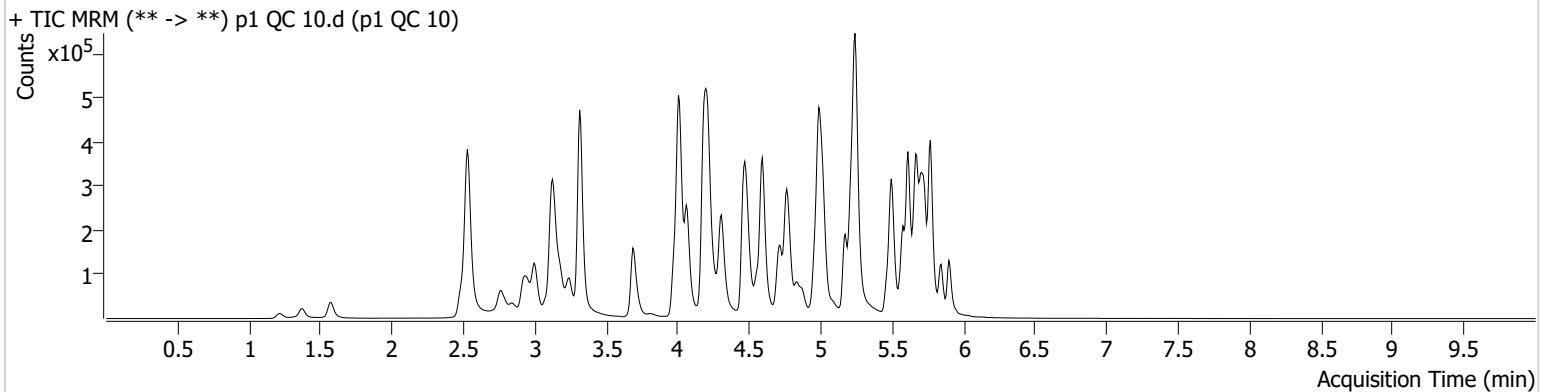


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 QC 10.d
Type QC **Sample** p1 QC 10
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-A2 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 11:12:37 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	30746	621.19	74.6	309.63	156578	10.1297 ng/ml
9-hydroxyrisperidone	4.596	4044	3810.46	4088.4	1009.03	741238	9.1663 ng/ml
a-hydroxyalprazolam	5.651	13815	166.06	67.3	516.90	61551	10.0850 ng/ml
Alprazolam	5.728	51911	290.34	113.8	258.14	250320	9.0847 ng/ml
Amphetamine	2.999	178689	346.24	48.5	240.88	255607	9.2496 ng/ml
Bromazolam	5.766	28159	26679.57	109.9	41408.31	126148	9.8038 ng/ml
Buprenorphine	5.635	1659	554.72	14.0	562.86	64201	1.2796 ng/ml
Citalopram	5.173	72794	230.62	33.5	168.53	336359	9.3920 ng/ml
Clonazepam	5.570	58099	698.45	34.8	24788.31	86796	10.1222 ng/ml
Cyclobenzaprine	5.586	53475	118163.57	9.6	2917.46	271575	9.6277 ng/ml
Diazepam	5.906	38431	407.60	91.4	348.94	178210	10.1382 ng/ml
Diphenhydramine	5.244	190433	1795.05	29.2	2886.07	1154812	8.3669 ng/ml
Doxylamine	4.484	192864	581.64	100.5	178.07	917107	9.6270 ng/ml
Duloxetine	5.606	5571	4255.51	10.7	15.46	30614	10.0754 ng/ml
EDDP	5.216	75810	146.13	40.7	39658.32	413786	9.4034 ng/ml
Fentanyl	5.035	6857	86.97	75.4	257.78	372652	0.9466 ng/ml
Fluoxetine	5.666	60245	5572.36	7.6	3102.13	224306	9.6885 ng/ml
Hydroxyzine	5.649	74849	990.44	69.3	1230.16	227547	10.0057 ng/ml
Lamotrigine	4.219	6024	281.42	98.9	10991.40	952625	8.5664 ng/ml
Lorazepam	5.706	43332	308.76	54.7	54.94	326088	10.6941 ng/ml
Methadone	5.611	120037	369.22	50.8	343.10	492655	9.6015 ng/ml
Methamphetamine	3.182	155731	272.98	37.1	297.55	579338	9.6679 ng/ml
Metoprolol	4.272	22017	1855.90	98.1	687.67	816003	10.4243 ng/ml
Mitragynine	5.164	24997	868.66	35.7	947.68	492655	9.6339 ng/ml
Morphine	1.220	5322	743.28	25.9	124.84	8951	9.8818 ng/ml
Norbuprenorphine	4.938	376	265.43	101.0	343.83	17554	0.8326 ng/ml
Nordiazepam	5.846	41266	349.77	58.4	1035.44	149861	9.6292 ng/ml
Norfentanyl	4.028	16948	859.45	34.8	75.91	792519	1.0022 ng/ml
Noroxycodone	2.859	19920	297.24	51.0	1176.94	68445	10.0834 ng/ml
O-desmethyl-tramadol	3.321	169580	286.42	5.6	139.73	1075091	9.3057 ng/ml
Olanzapine	4.325	19172	511.15	52.5	88.95	49147	10.1110 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	62294	254.63	67.1	662.83	326088	10.0905 ng/ml
Oxycodone	2.791	47230	254.24	30.0	267.89	203946	9.5819 ng/ml
Phentermine	3.724	39528	258.21	7.3	58.03	446102	9.6445 ng/ml
Promethazine	5.496	96755	256.89	29.3	360.01	494411	10.1978 ng/ml
Sertraline	5.735	13857	2397.66	97.6	3861.14	62256	10.2252 ng/ml
Temazepam	5.776	107165	2398.29	27.1	147.17	480823	9.7963 ng/ml
Tramadol	4.191	152767	749.59	3.2	28.87	816003	9.6521 ng/ml
Trazodone	5.006	118956	5987.34	57.7	177.23	389554	10.4198 ng/ml
Zolpidem	4.783	146075	343.45	28.5	5846.38	643820	9.5352 ng/ml

AM #28 Multi-Drug Quant. Results

TS

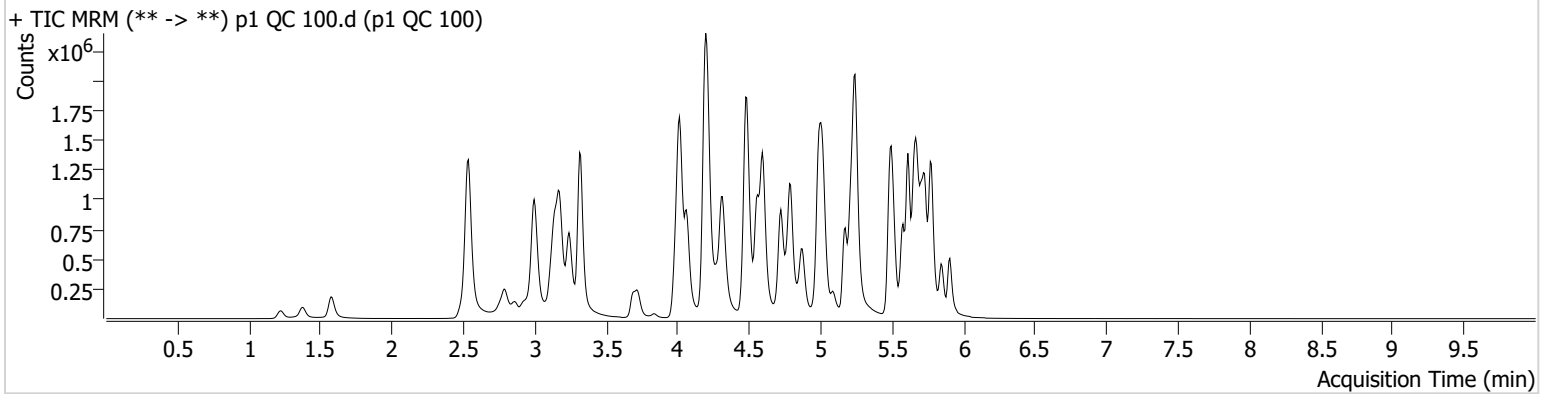


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-B2 **Comment**
Injection Volume 2
Acq. Date-Time 5/3/2024 8:46:31 AM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	328242	3876.29	75.8	176.28	163479	104.2064 ng/ml
9-hydroxyrisperidone	4.596	55414	1746.16	3796.2	7274.96	920294	95.3734 ng/ml
a-hydroxyalprazolam	5.651	141443	960.91	66.0	789.60	61978	100.1390 ng/ml
Alprazolam	5.734	618131	943.04	111.5	780.81	269990	94.3633 ng/ml
Amphetamine	2.999	2030922	26204.17	46.1	76140.18	319729	97.1278 ng/ml
Bromazolam	5.766	277281	177.29	118.5	259253.41	130836	95.9398 ng/ml
Buprenorphine	5.642	22224	26936.08	13.8	201.52	81296	9.4404 ng/ml
Citalopram	5.173	846278	2731.93	33.9	3539.77	398674	87.4010 ng/ml
Clonazepam	5.570	585804	44237.74	35.7	16753.62	87833	102.9061 ng/ml
Cyclobenzaprine	5.579	629955	28049.92	8.7	5693.68	306146	92.8987 ng/ml
Diazepam	5.906	437705	924.52	90.0	1558.69	204621	99.4028 ng/ml
Diphenhydramine	5.244	2327580	24541.59	30.3	18286.46	1409723	79.5657 ng/ml
Doxylamine	4.484	2569691	9452.70	98.0	437599.18	1150645	97.1382 ng/ml
Duloxetine	5.606	46769	524.68	12.6	505.66	29055	89.7801 ng/ml
EDDP	5.215	838343	56893.45	40.7	8405.34	456550	90.7660 ng/ml
Fentanyl	5.035	81775	1299.38	75.7	110597.34	435219	9.0483 ng/ml
Fluoxetine	5.666	557158	156818.81	7.5	20597.78	223173	87.2362 ng/ml
Hydroxyzine	5.649	912736	24595.06	73.7	664951.67	277527	94.9388 ng/ml
Lamotrigine	4.218	78039	4639.19	83.0	5202.99	1134443	96.7257 ng/ml
Lorazepam	5.706	300220	1267.31	54.7	587.89	284451	91.9297 ng/ml
Methadone	5.611	1432013	1303.84	49.7	607.37	574258	93.0882 ng/ml
Methamphetamine	3.175	1970658	9274.17	38.3	162.49	754257	97.0471 ng/ml
Metoprolol	4.272	267703	490857.82	101.9	2650.60	1042996	98.8242 ng/ml
Mitragynine	5.163	312710	1869.28	31.7	117593.01	574258	97.8230 ng/ml
Morphine	1.220	64697	551.62	25.8	438.96	10628	98.8430 ng/ml
Norbuprenorphine	4.944	4300	3090.17	91.2	3172.30	21754	10.5718 ng/ml
Nordiazepam	5.853	445166	1245.92	57.4	4872.49	159138	97.3974 ng/ml
Norfentanyl	4.028	195044	14764.38	37.2	2627.23	882171	9.8141 ng/ml
Noroxycodone	2.859	239187	868.63	49.2	402.39	81352	103.6604 ng/ml
O-desmethyl-tramadol	3.321	2208903	137861.32	5.5	5919.76	1341453	93.0285 ng/ml
Olanzapine	4.325	392919	1268.42	53.8	1691.86	95795	105.5337 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	523125	9746.77	70.4	4133.13	284451	101.1591 ng/ml
Oxycodone	2.784	612036	1069.89	29.9	1462.98	257299	96.7740 ng/ml
Phentermine	3.724	497007	793.93	7.2	136.12	566041	100.1681 ng/ml
Promethazine	5.496	1117565	424.22	31.2	1941.22	569540	97.2097 ng/ml
Sertraline	5.735	119818	1357.85	96.8	424.83	54996	96.5305 ng/ml
Temazepam	5.776	1042630	708.86	26.4	2639.10	456949	97.3516 ng/ml
Tramadol	4.191	1934240	12609.18	3.7	184.65	1042996	94.5543 ng/ml
Trazodone	5.013	1407504	274335.21	61.5	519.50	483680	103.8789 ng/ml
Zolpidem	4.790	1924621	812.91	28.2	330311.56	825170	95.9868 ng/ml

AM #28 Multi-Drug Quant. Results

TS

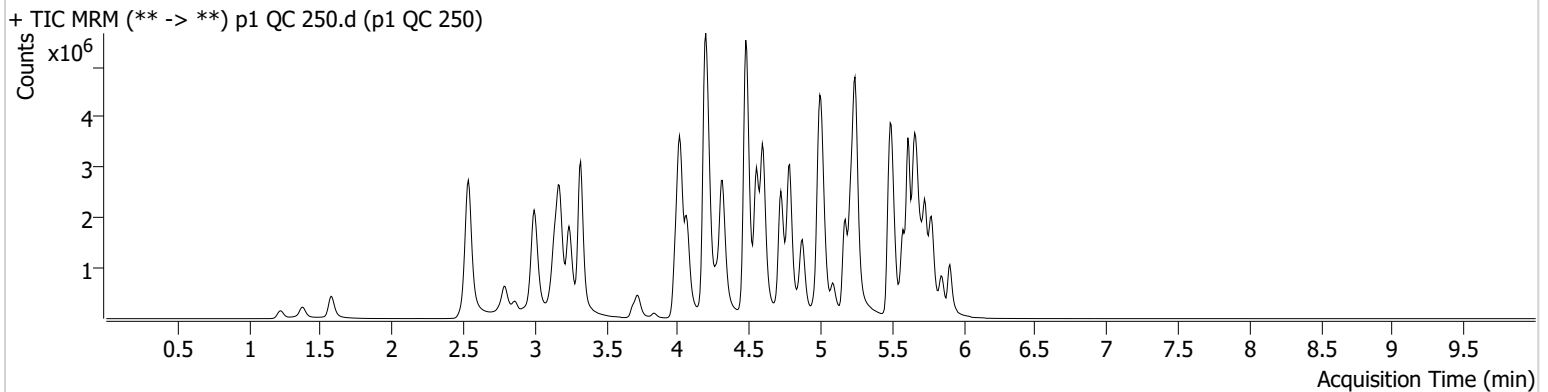


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-C2 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 11:33:50 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	600779	2566.95	72.4	142.56	131115	237.8938 ng/ml
9-hydroxyrisperidone	4.596	166927	224.30	3925.1	13648.25	1079431	244.0387 ng/ml
a-hydroxyalprazolam	5.651	224626	406.21	67.1	159.58	44741	219.9835 ng/ml
Alprazolam	5.734	1475974	956.02	109.2	598.95	242435	249.9493 ng/ml
Amphetamine	2.999	4599728	51049.50	46.1	31998.07	341179	207.9659 ng/ml
Bromazolam	5.766	574744	8206.93	119.3	574444.59	114480	227.7357 ng/ml
Buprenorphine	5.635	61281	8444.32	16.0	1220.00	85292	24.1161 ng/ml
Citalopram	5.173	2576850	775.46	33.6	34666.01	444766	237.6234 ng/ml
Clonazepam	5.570	1027649	20902.13	36.0	16138.84	71173	223.0461 ng/ml
Cyclobenzaprine	5.579	2115246	614.94	7.9	173343.51	386530	245.7081 ng/ml
Diazepam	5.906	1099422	5963.78	89.7	309.47	203751	250.5475 ng/ml
Diphenhydramine	5.244	6837355	∞	30.1	48188.41	1587080	206.8570 ng/ml
Doxylamine	4.477	8170887	1542.91	93.7	176084.78	1353385	261.6996 ng/ml
Duloxetine	5.606	155077	3001.50	13.5	3915.80	37700	229.5637 ng/ml
EDDP	5.215	2431077	2436.26	40.5	1881659.12	518717	231.0650 ng/ml
Fentanyl	5.035	275264	970.86	74.4	664025.82	540522	24.4093 ng/ml
Fluoxetine	5.666	1877315	69459.69	7.4	433.84	273750	239.0372 ng/ml
Hydroxyzine	5.649	2786507	79675.95	78.2	1285960.45	321101	249.5797 ng/ml
Lamotrigine	4.218	180889	293.71	83.4	4834.85	1123802	226.8057 ng/ml
Lorazepam	5.699	398857	19892.23	56.1	772.77	164866	212.0233 ng/ml
Methadone	5.611	4465182	229572.72	49.8	1238.25	695091	238.9174 ng/ml
Methamphetamine	3.175	5272197	58529.81	37.5	66043.87	867612	226.1813 ng/ml
Metoprolol	4.272	700415	297253.90	103.7	1207.08	1127542	239.1184 ng/ml
Mitragynine	5.163	954165	225274.02	33.1	175083.41	695091	245.7266 ng/ml
Morphine	1.220	169781	4522.77	25.5	183.78	10862	253.4020 ng/ml
Norbuprenorphine	4.944	11301	11156.70	104.7	189970.12	25511	24.1289 ng/ml
Nordiazepam	5.853	947958	∞	58.0	445.33	136588	241.5764 ng/ml
Norfentanyl	4.035	459942	1034.39	36.7	∞	775770	26.2186 ng/ml
Noroxycodone	2.859	636666	2210.37	47.1	1119.78	90658	247.8736 ng/ml
O-desmethyl-tramadol	3.321	6465282	3443261.68	5.5	7219.04	1499101	242.9464 ng/ml
Olanzapine	4.318	1259973	4005.87	56.3	5135.43	131769	245.9148 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	732854	4939.56	71.6	4190.59	164866	245.1685 ng/ml
Oxycodone	2.784	1788961	3311.81	29.9	3160.30	295651	245.8986 ng/ml
Phentermine	3.724	1194089	∞	6.9	77.19	611903	223.2535 ng/ml
Promethazine	5.496	3794537	1404.91	32.3	434.77	745344	251.3198 ng/ml
Sertraline	5.735	436929	915.53	96.7	3936.61	78316	246.5573 ng/ml
Temazepam	5.783	1747768	72179.69	26.7	1922.72	304478	244.4293 ng/ml
Tramadol	4.191	5336415	∞	3.7	280.81	1127542	241.1231 ng/ml
Trazodone	5.006	3808346	262051.80	67.2	89286.94	611626	222.8849 ng/ml
Zolpidem	4.783	5773987	20246.82	27.7	1041.55	981272	241.8228 ng/ml

AM #28 Multi-Drug Quant. Results

TS

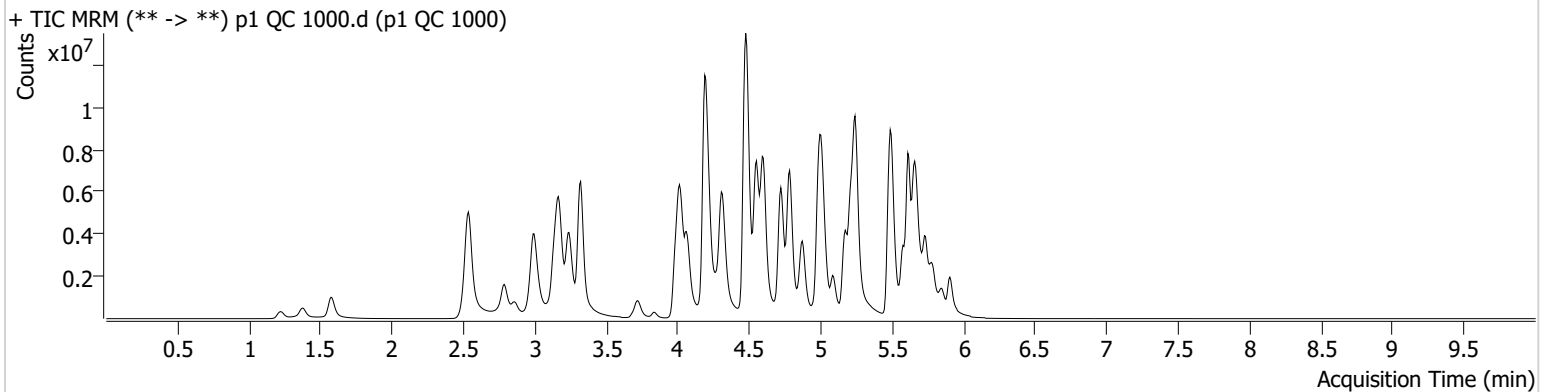


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-D2 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 11:55:06 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.223	791412	12539.47	75.4	6037.52	52601	781.2969 ng/ml
9-hydroxyrisperidone	4.596	427762	518613.54	4091.9	943105.64	679967	990.9840 ng/ml
a-hydroxyalprazolam	5.651	277822	171.95	65.9	305.67	13969	870.6614 ng/ml
Alprazolam	5.734	2817196	344.72	107.5	290.92	120087	961.4551 ng/ml
Amphetamine	2.999	8929285	89003.49	46.1	171695.34	227802	607.7328 ng/ml
Bromazolam	5.766	935705	805630.37	118.9	2907.82	49927	851.0624 ng/ml
Buprenorphine	5.635	133333	121123.55	15.4	30522.21	42183	104.6407 ng/ml
Citalopram	5.173	5648060	106075.40	33.7	953762.31	237611	973.2475 ng/ml
Clonazepam	5.563	1436571	62883.55	35.8	18171.83	29953	741.4180 ng/ml
Cyclobenzaprine	5.579	5347759	17820.29	7.5	783.42	230475	1039.1664 ng/ml
Diazepam	5.906	2522098	∞	89.5	770.87	114902	1018.8010 ng/ml
Diphenhydramine	5.244	16414006	77231.03	30.1	34633.20	918913	856.2035 ng/ml
Doxylamine	4.477	22143344	1059.32	95.5	793.04	930357	1030.1303 ng/ml
Duloxetine	5.606	288124	10605.41	13.4	833.26	16052	1001.9879 ng/ml
EDDP	5.215	6870944	301986.84	39.9	1015.63	345910	978.0582 ng/ml
Fentanyl	5.035	816340	683.86	73.5	803.42	341264	114.4085 ng/ml
Fluoxetine	5.673	3983437	50633.74	7.3	216927.83	134914	1028.0341 ng/ml
Hydroxyzine	5.649	6533070	238136.61	79.0	1363.69	173955	1078.2300 ng/ml
Lamotrigine	4.225	274147	8804.10	88.6	28512.38	608348	635.6285 ng/ml
Lorazepam	5.706	526940	38327.36	56.8	393.45	49669	933.1843 ng/ml
Methadone	5.611	11620358	2346.79	49.0	∞	438376	984.1254 ng/ml
Methamphetamine	3.168	13196080	169875.01	35.8	49250.98	648519	758.2079 ng/ml
Metoprolol	4.272	1399013	1123005.39	104.2	691331.33	720005	747.8724 ng/ml
Mitragynine	5.164	2204346	1551617.80	35.4	8787.56	438376	898.6024 ng/ml
Morphine	1.220	403451	1924.86	27.1	∞	6883	949.4972 ng/ml
Norbuprenorphine	4.944	29847	148.77	104.7	54908.11	18004	91.2590 ng/ml
Nordiazepam	5.853	1554597	∞	58.5	4966.56	62526	865.3149 ng/ml
Norfentanyl	4.035	769054	67385.73	38.3	512.43	264546	128.3274 ng/ml
Noroxycodone	2.859	1475832	1540.44	50.8	9992.48	53143	980.7758 ng/ml
O-desmethyl-tramadol	3.321	16978543	182612.33	5.5	519.51	944768	1010.9660 ng/ml
Olanzapine	4.318	3084669	3021.53	58.6	5100.04	89956	881.6779 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	787636	16924.79	70.7	4326.61	49669	875.8234 ng/ml
Oxycodone	2.784	4932815	2011.03	29.7	1523.30	208822	959.4477 ng/ml
Phentermine	3.724	2824789	∞	6.4	1538.40	434189	745.5111 ng/ml
Promethazine	5.496	10927876	230473.80	30.3	39878.14	495529	1086.7974 ng/ml
Sertraline	5.735	910512	768.84	86.5	443381.95	37570	1069.6707 ng/ml
Temazepam	5.790	2226685	135053.89	26.7	3577.05	97076	975.7698 ng/ml
Tramadol	4.191	12392182	∞	3.8	433.82	720005	876.5552 ng/ml
Trazodone	5.006	7872502	132335.95	71.2	174616.57	424871	664.3247 ng/ml
Zolpidem	4.783	15222147	51691.49	26.3	94885.50	667383	936.7396 ng/ml

TS



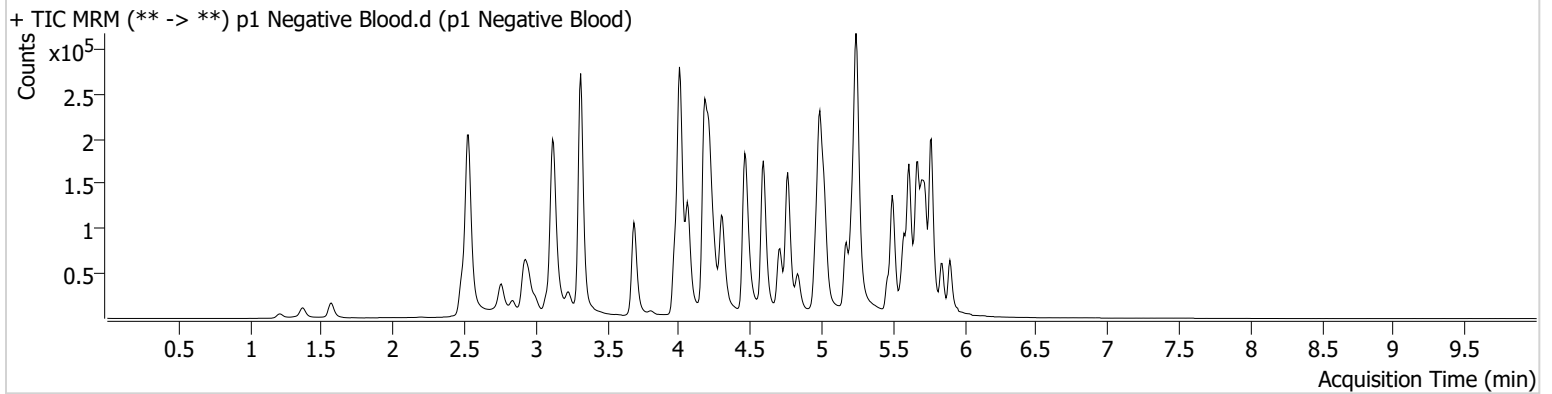
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	5/3/2024 12:16:22 AM		
Sample Info.			

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



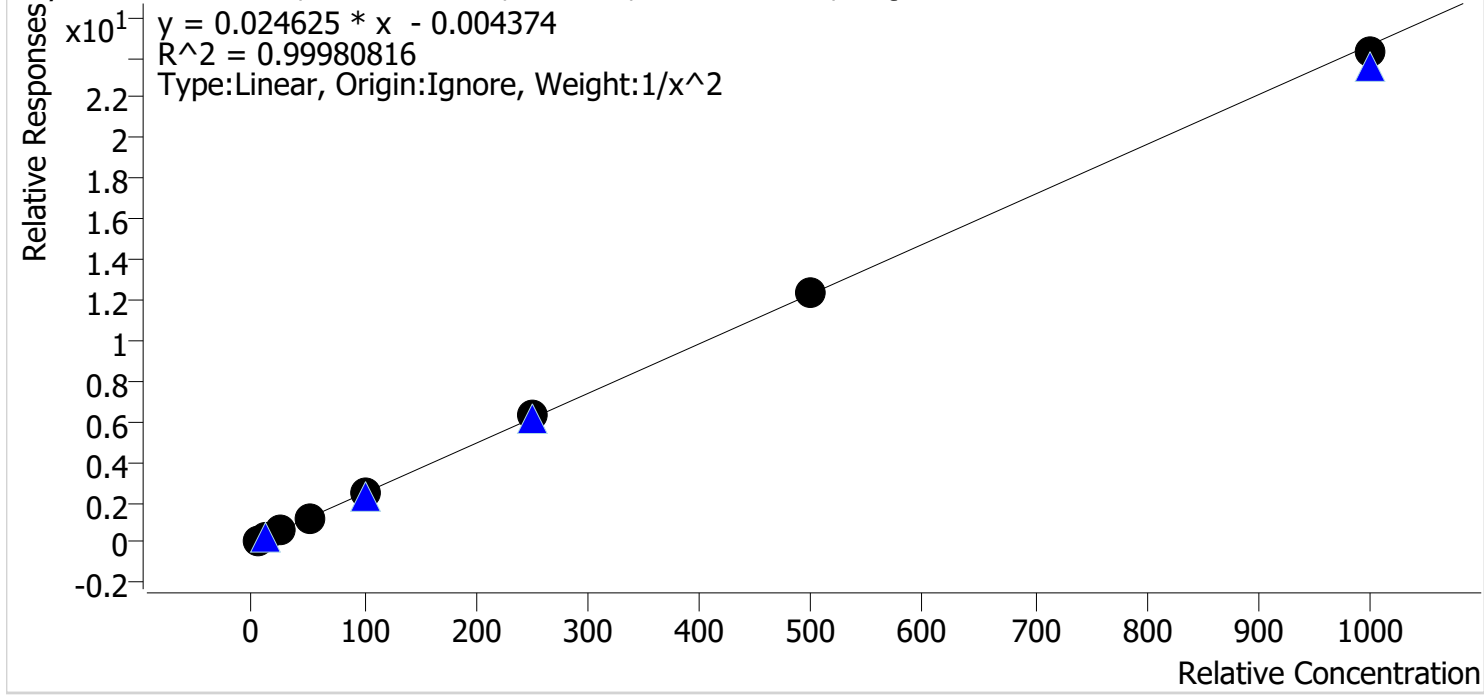
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



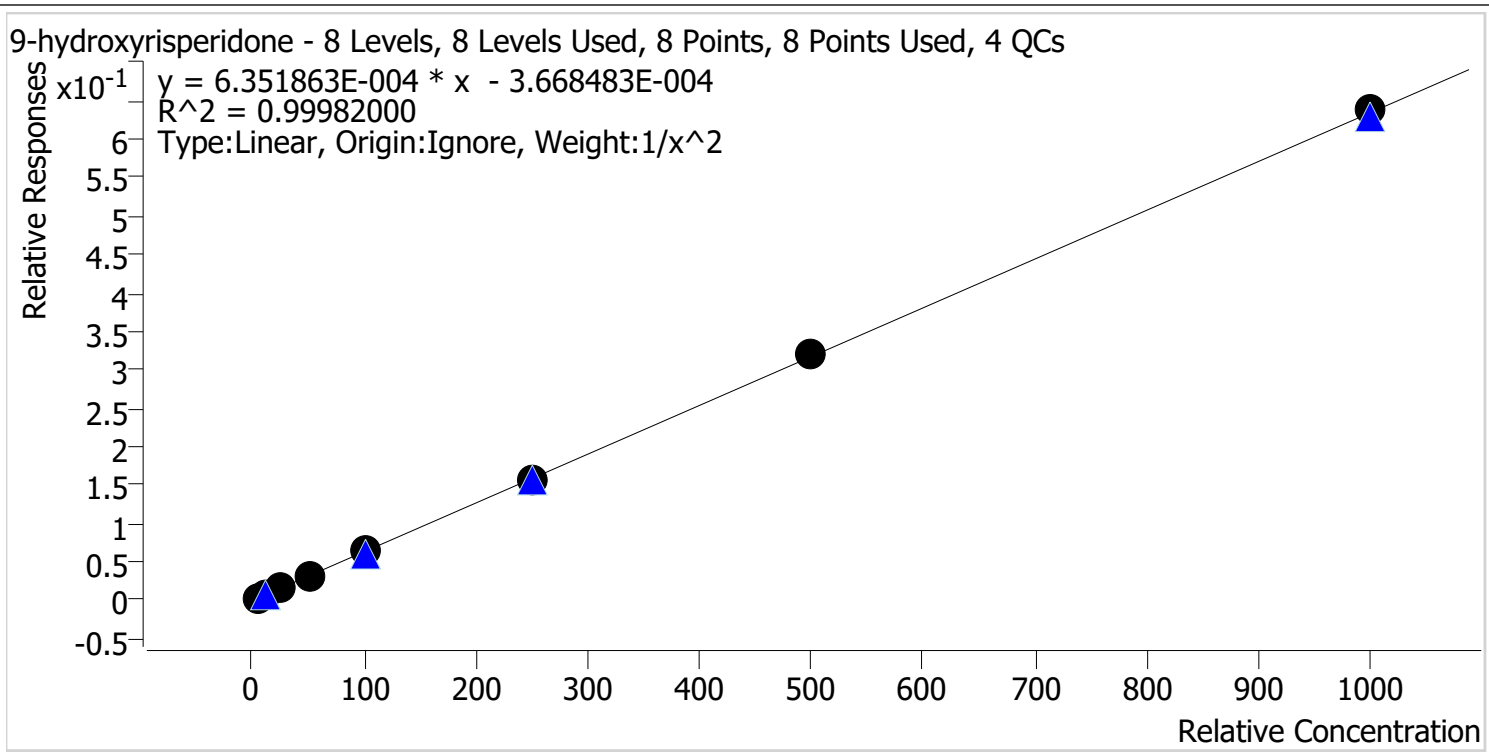
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	985.3	98.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1005.8	100.6

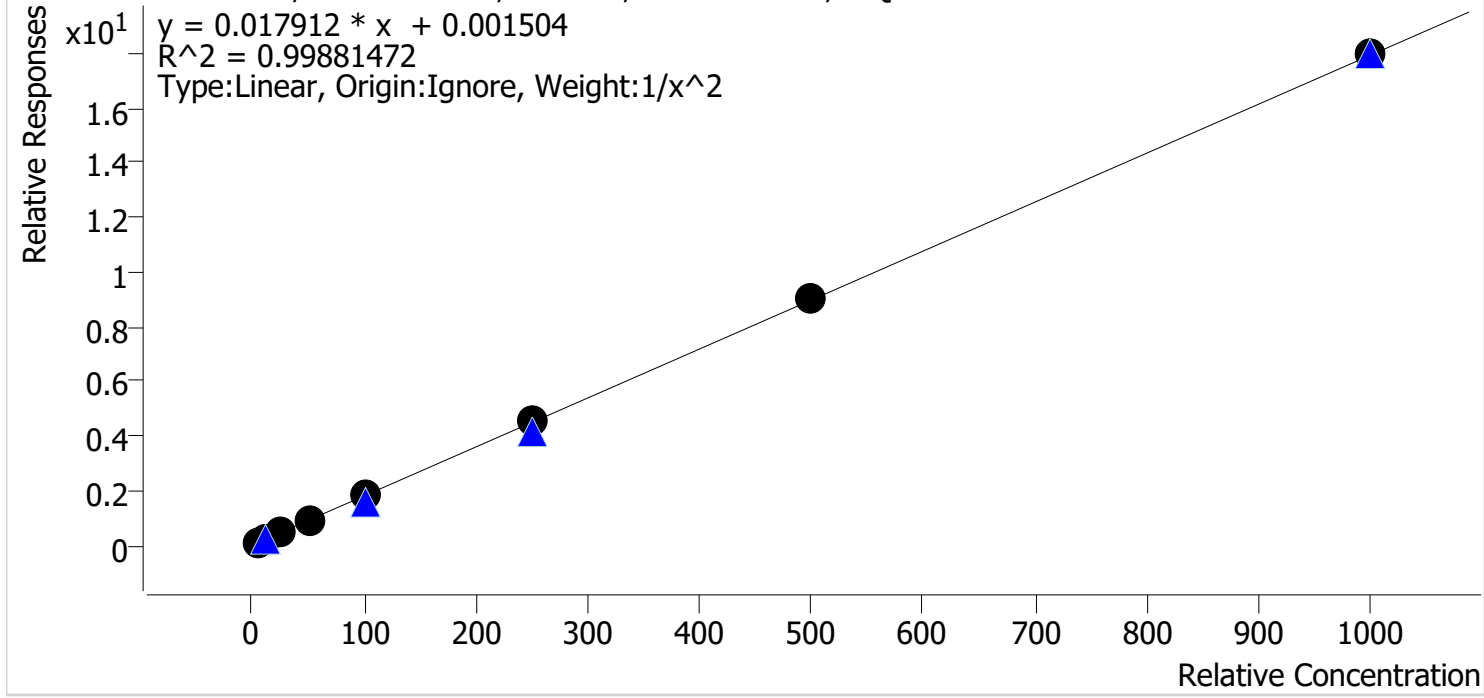
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3

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



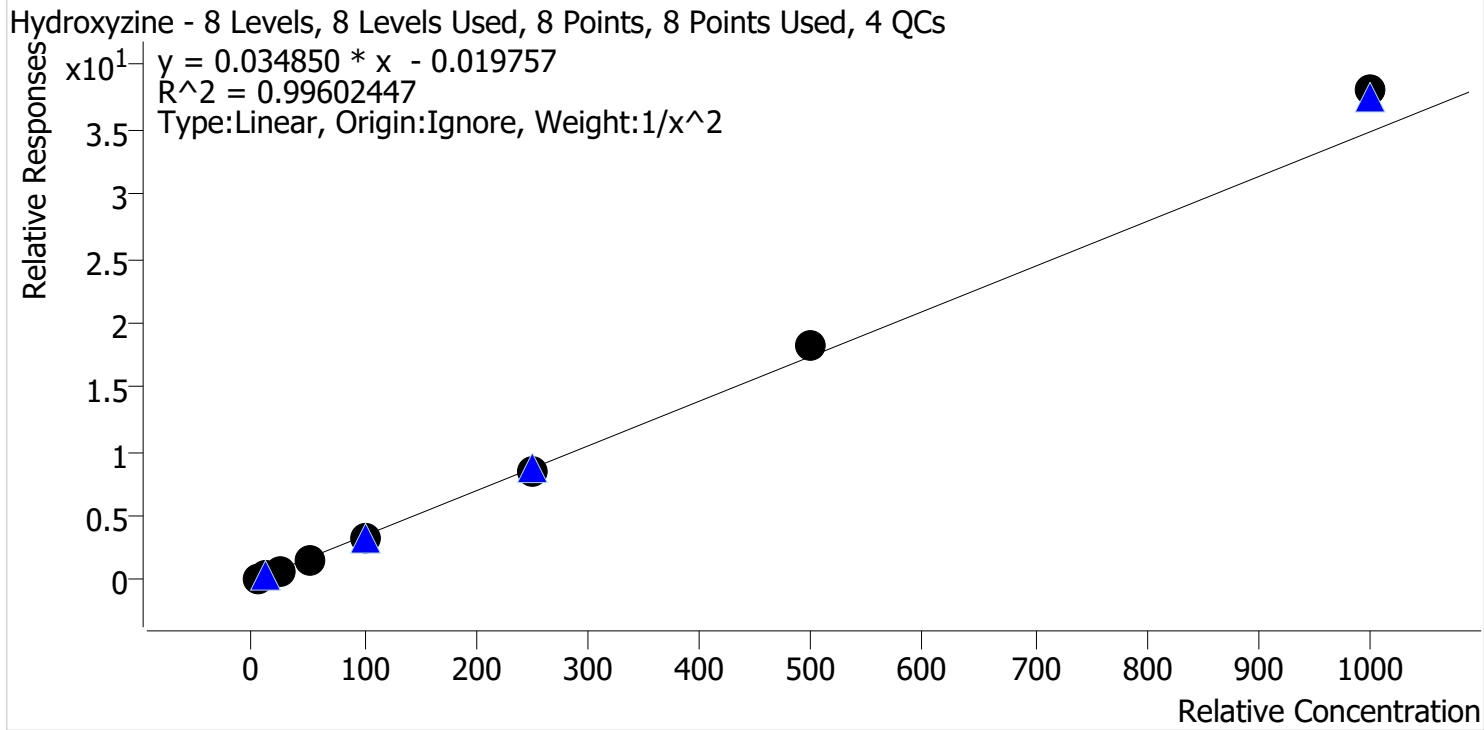
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	526.5	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1092.5	109.3

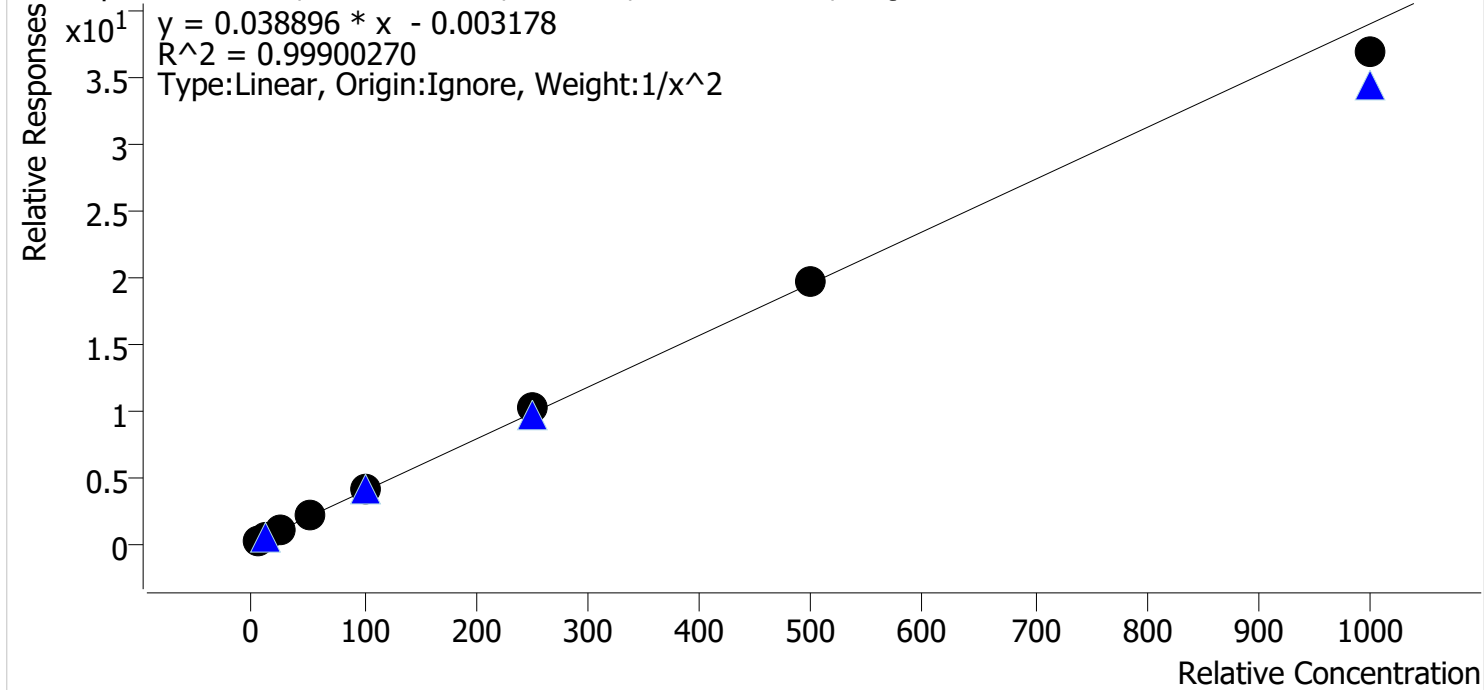
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8

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



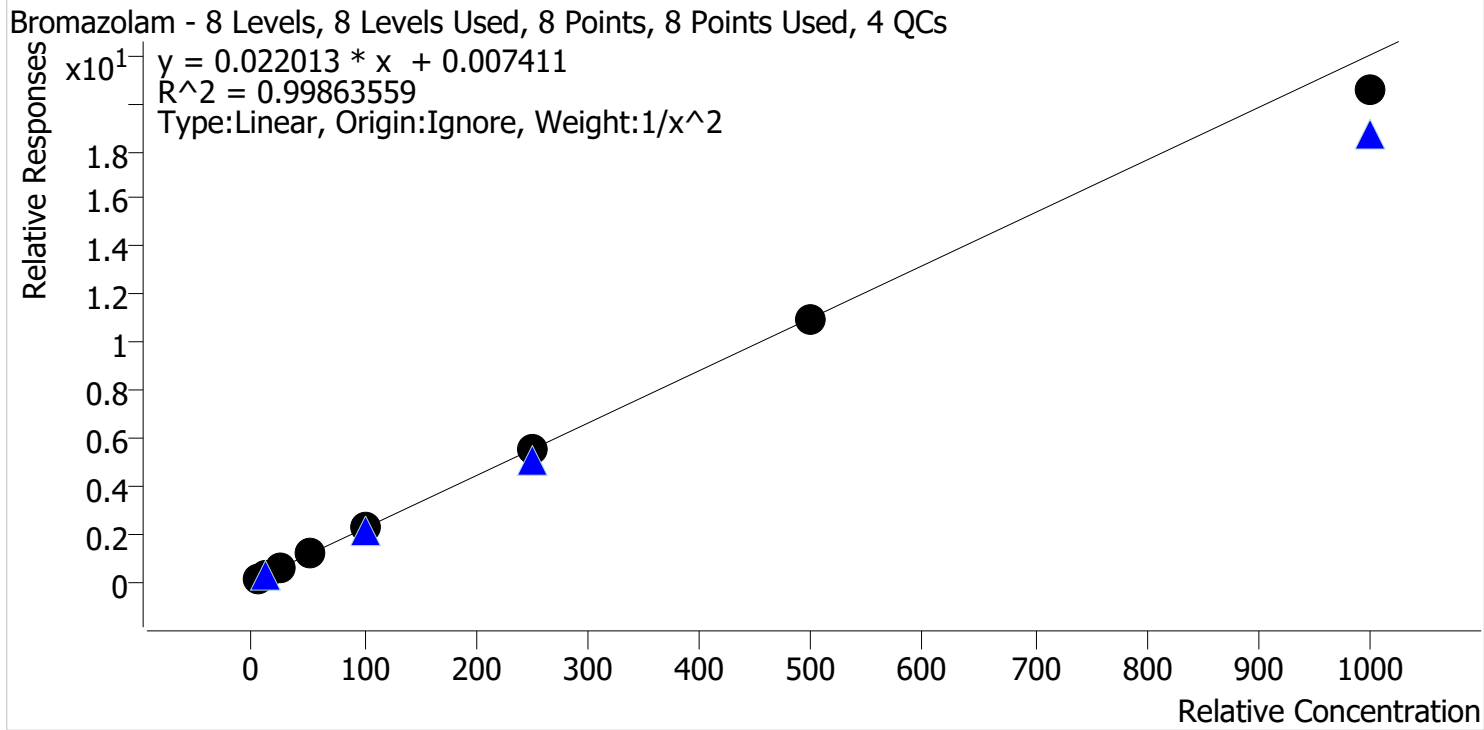
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	259.4	103.8
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Bromazepam **Internal Standard** Bromazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	932.9	93.3

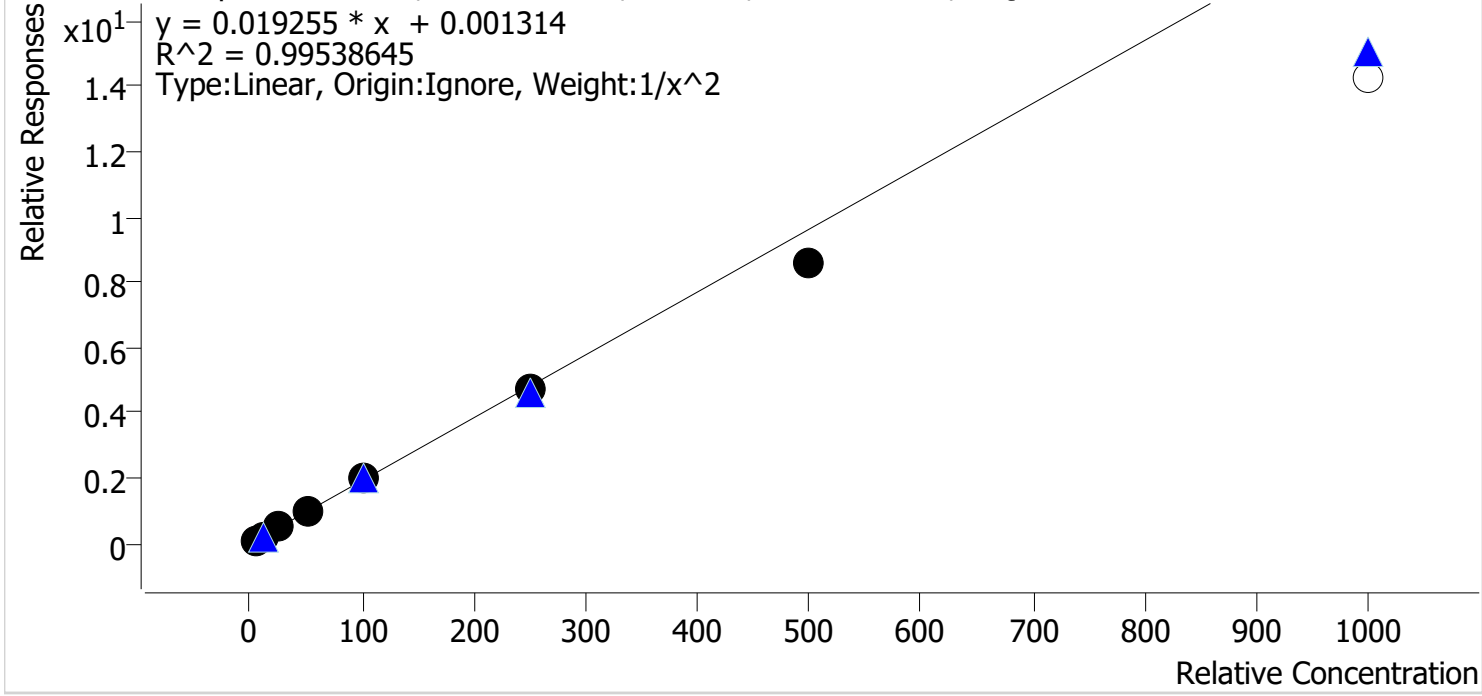
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



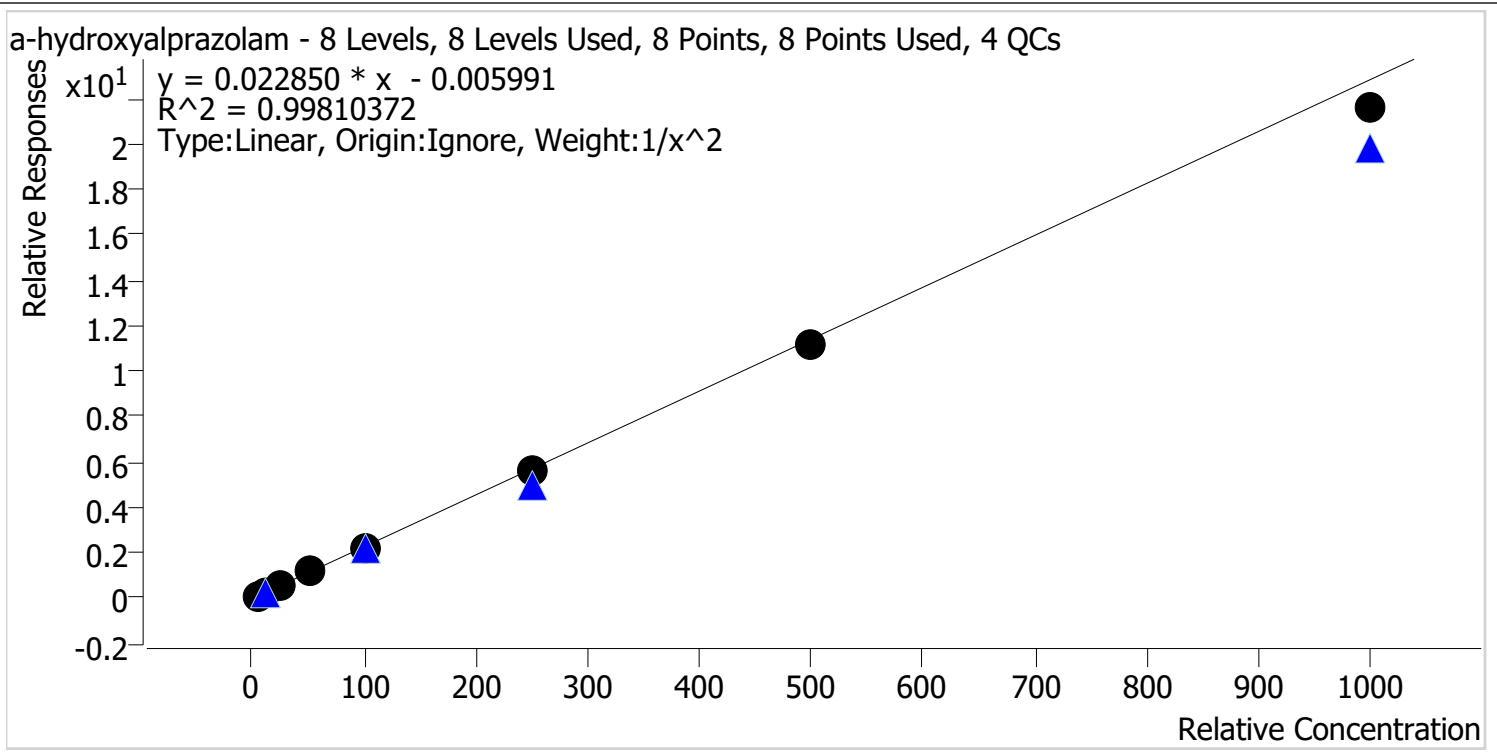
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	449.0	89.8
p1 Cal 8-1000ng	8	x	1000.0	743.4	74.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 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	99.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	945.5	94.5

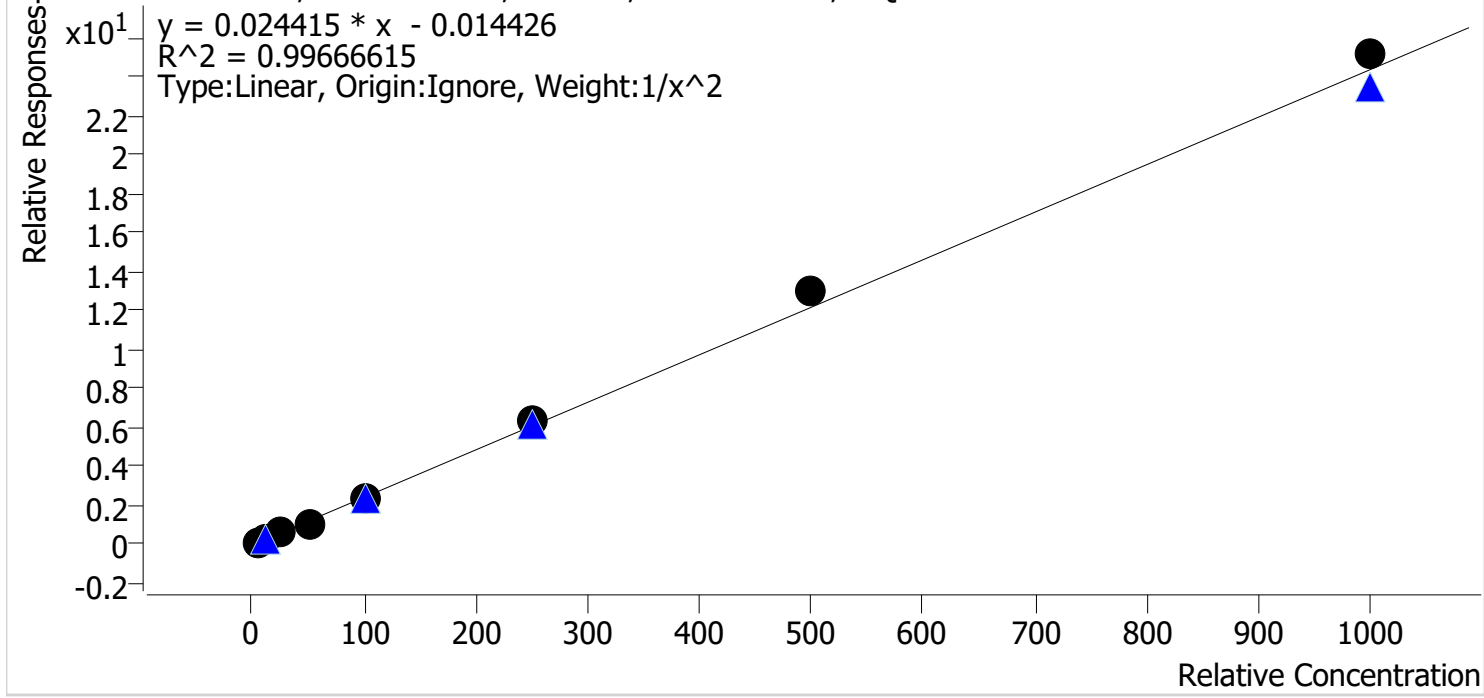
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



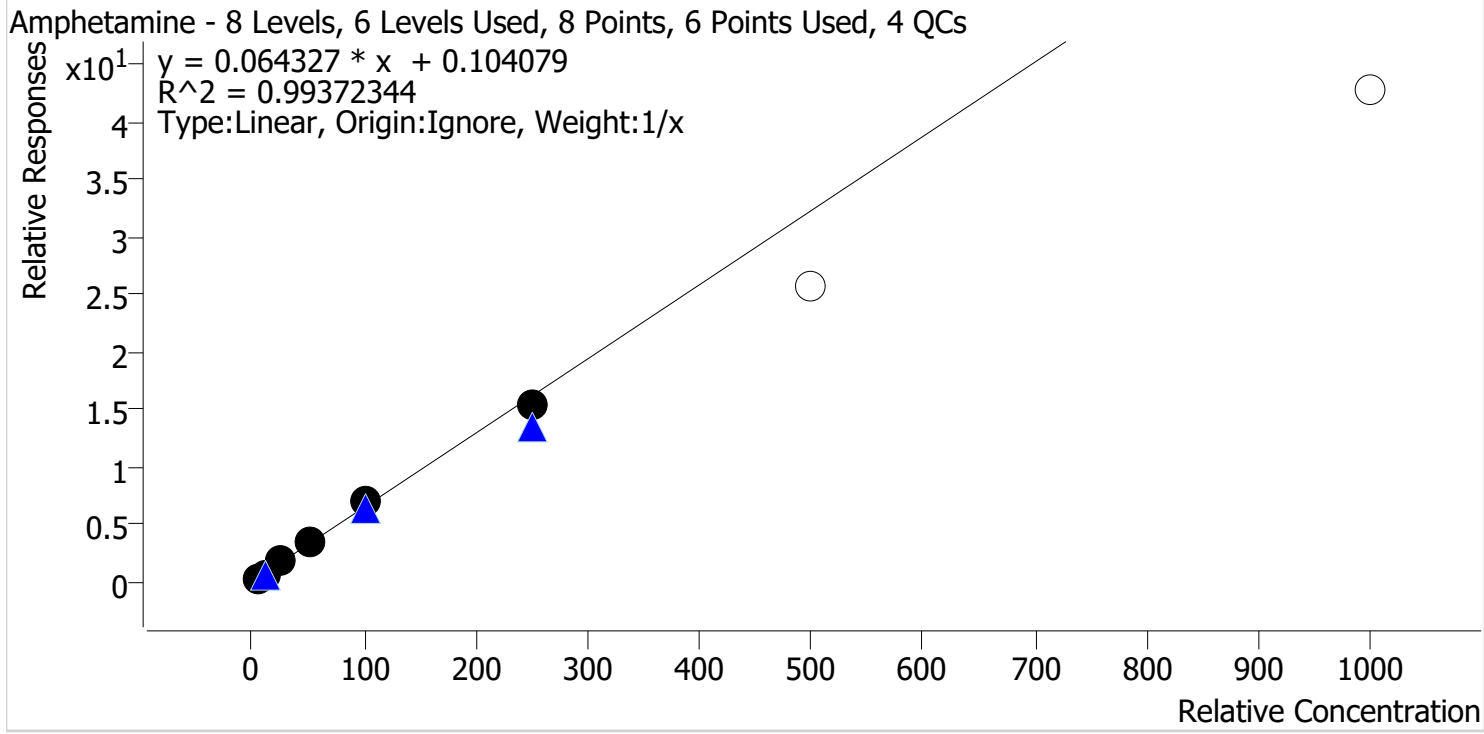
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	261.4	104.5
p1 Cal 7-500ng	7	✓	500.0	534.2	106.8
p1 Cal 8-1000ng	8	✓	1000.0	1032.4	103.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 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	4.1	81.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	55.4	110.7
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	236.5	94.6
p1 Cal 7-500ng	7	✗	500.0	400.1	80.0
p1 Cal 8-1000ng	8	✗	1000.0	662.1	66.2

*Shown accuracy for calibrator 7 is rounded. The actual accuracy evaluated in the raw data was below 80% and thus outside of the parameters outlined in the analytical method.

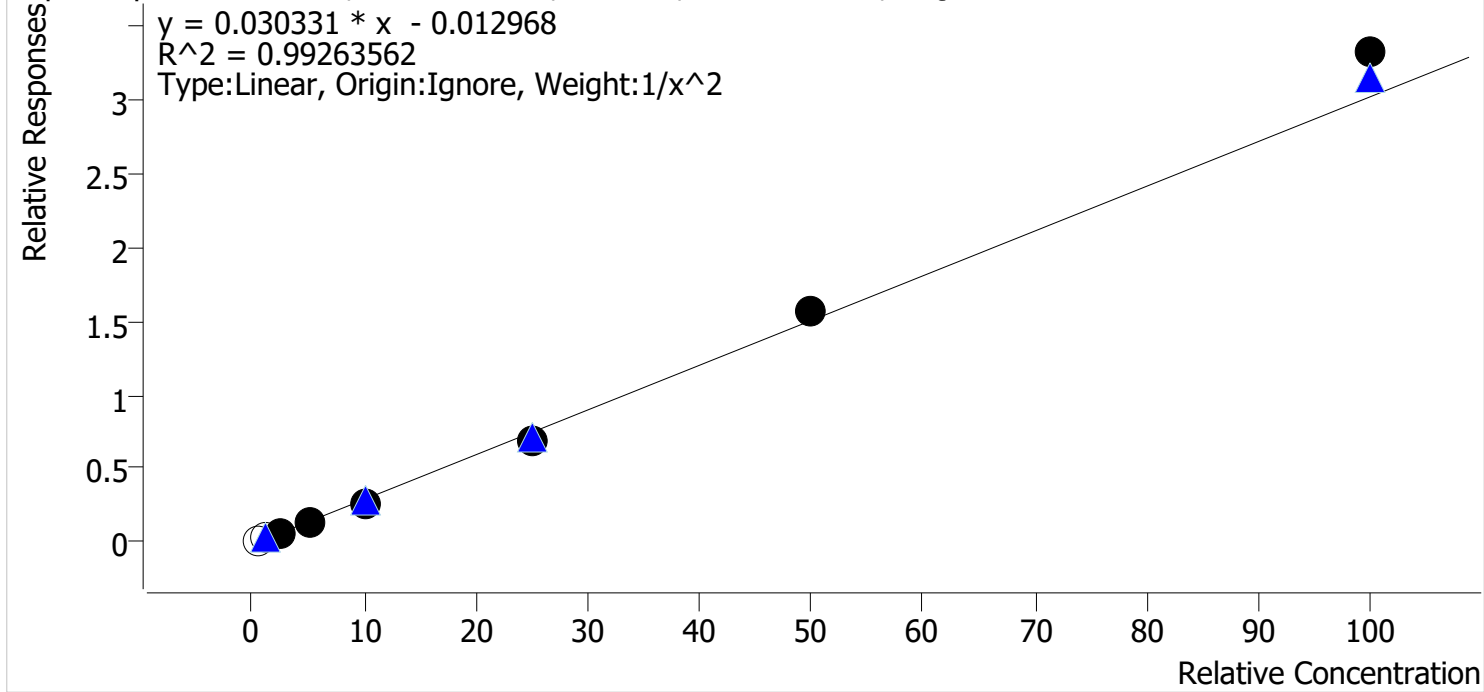
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 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	x	0.5	0.9	171.2
p1 Cal 2-10ng	2	x	1.0	1.2	124.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.5
p1 Cal 4-50ng	4	✓	5.0	4.9	97.5
p1 Cal 5-100ng	5	✓	10.0	9.2	92.1
p1 Cal 6-250ng	6	✓	25.0	23.3	93.3
p1 Cal 7-500ng	7	✓	50.0	51.8	103.7
p1 Cal 8-1000ng	8	✓	100.0	110.0	110.0

TS

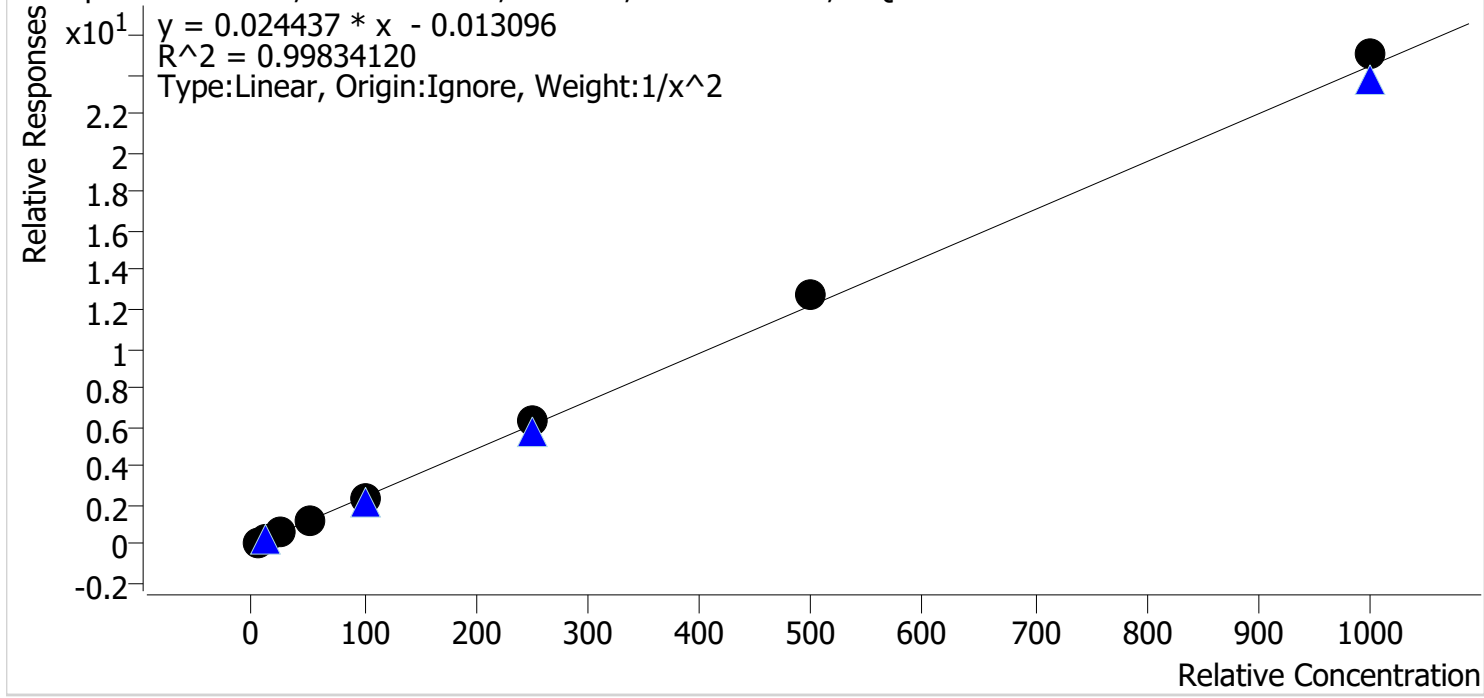


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Citalopram

Internal Standard Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	260.2	104.1
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1024.5	102.4

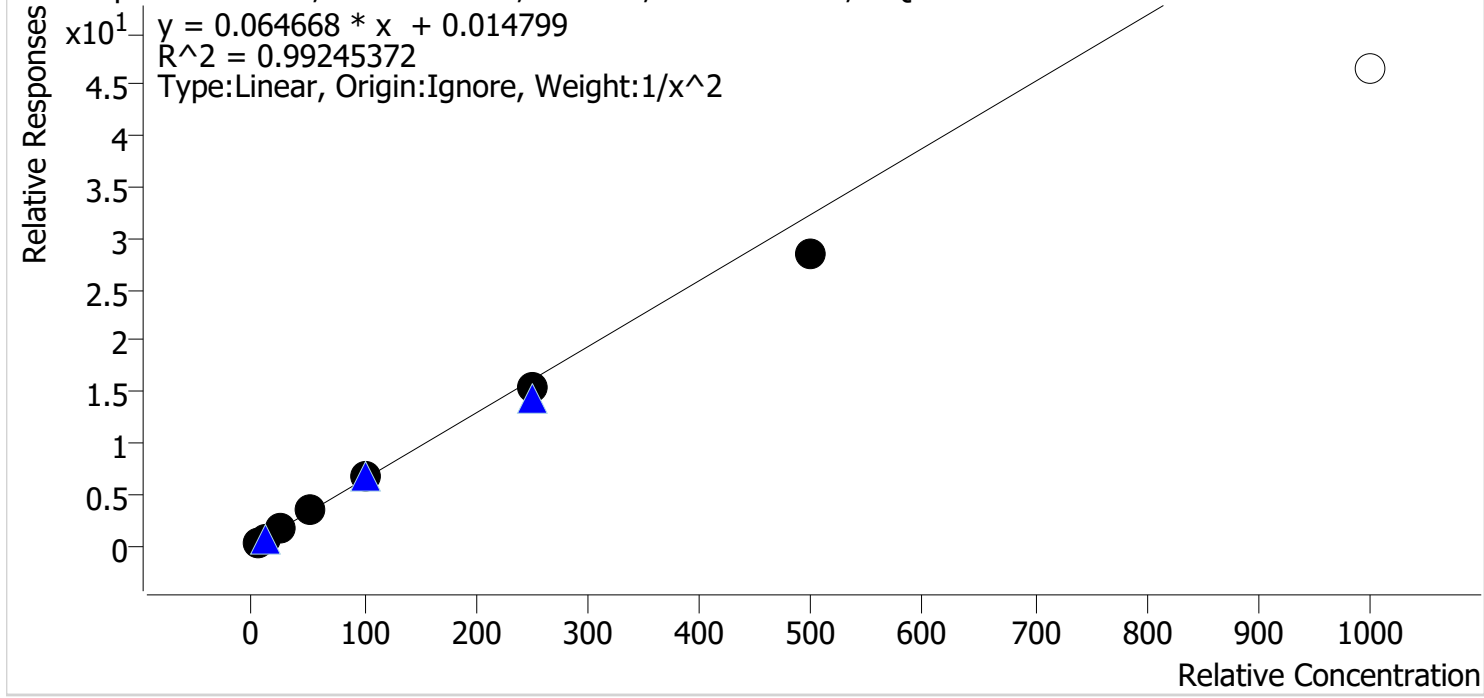
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

Clonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	236.5	94.6
p1 Cal 7-500ng	7	✓	500.0	440.1	88.0
p1 Cal 8-1000ng	8	x	1000.0	720.9	72.1

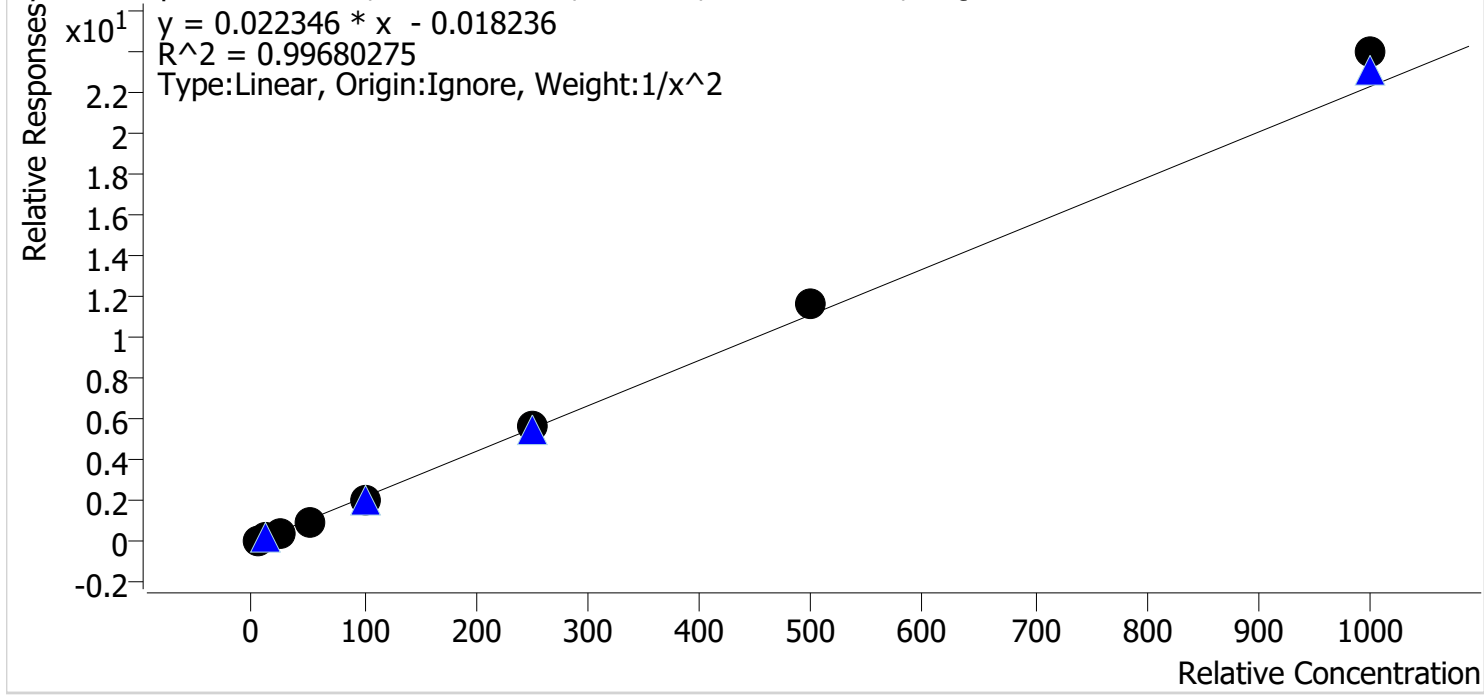
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



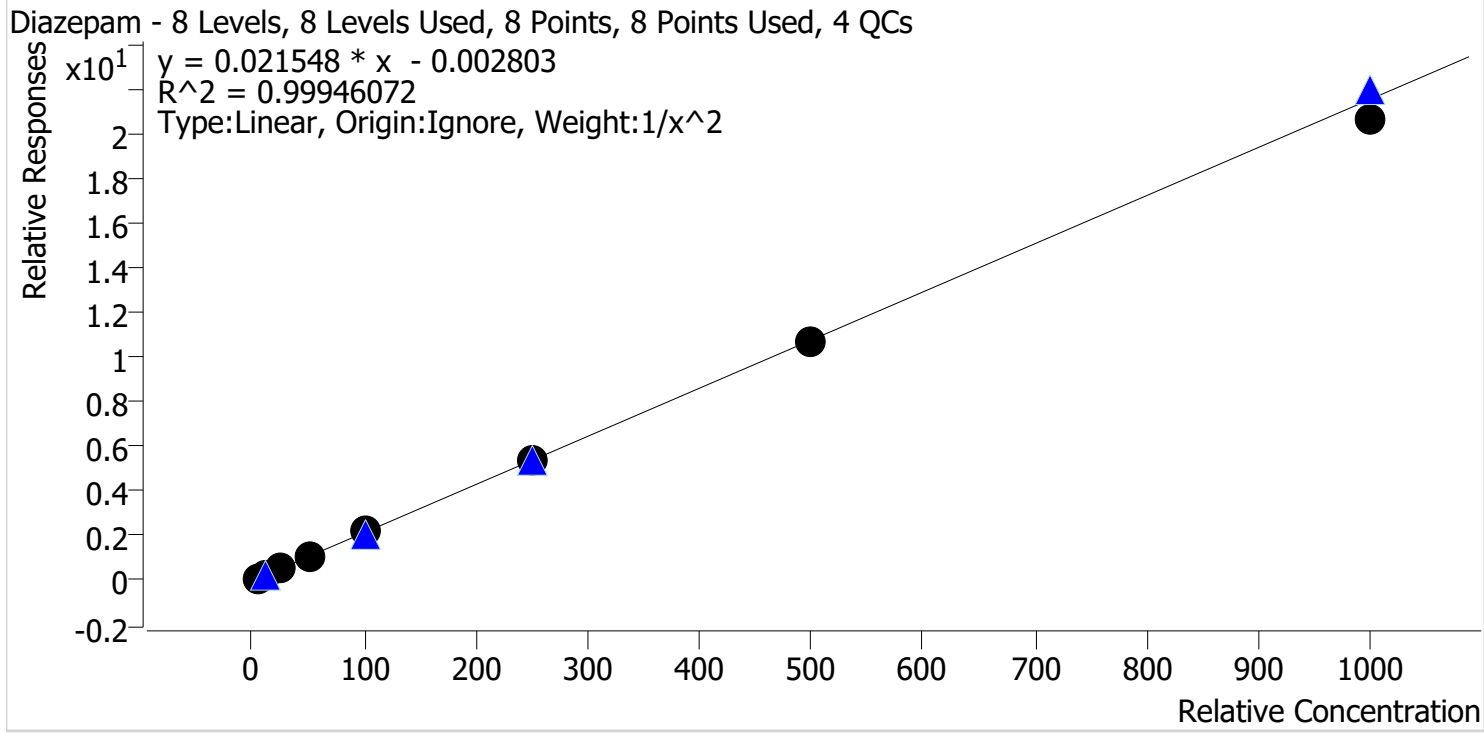
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	47.9	95.7
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	526.3	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1075.1	107.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	960.6	96.1

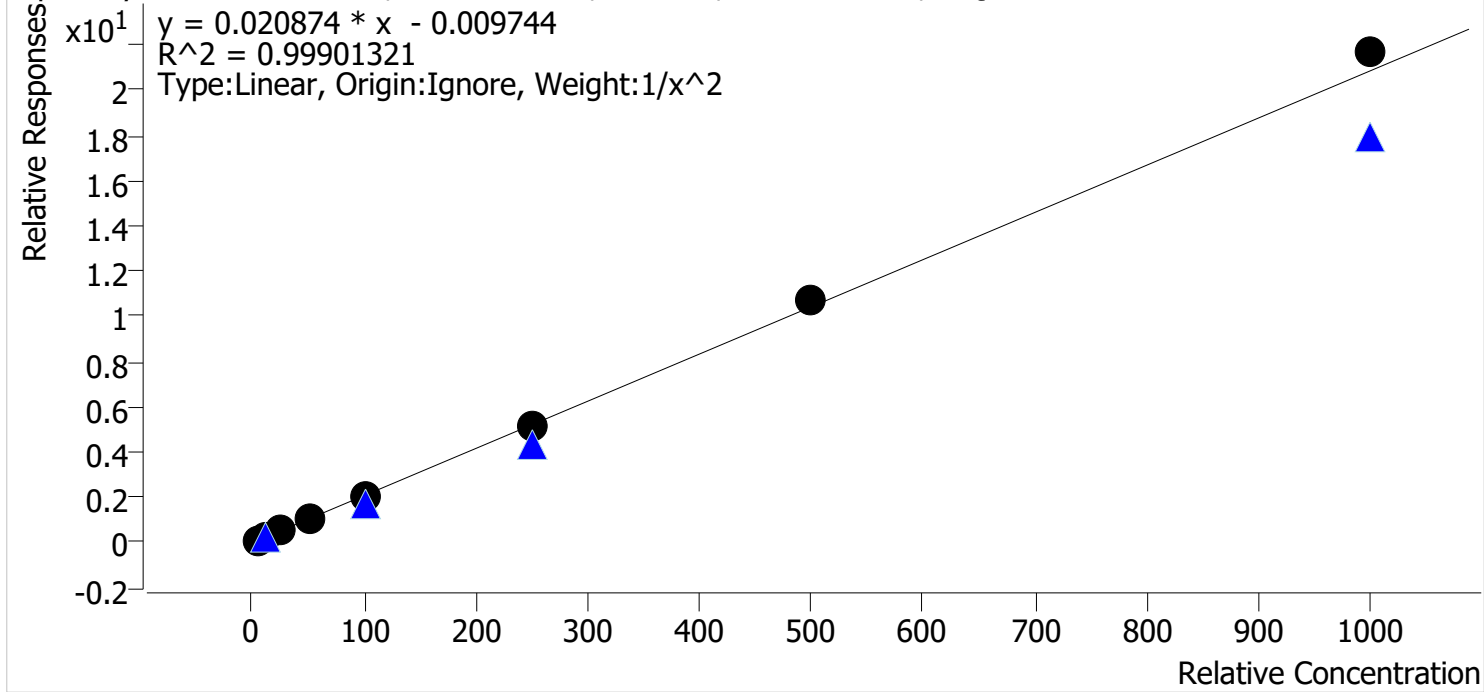
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	516.8	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1039.4	103.9

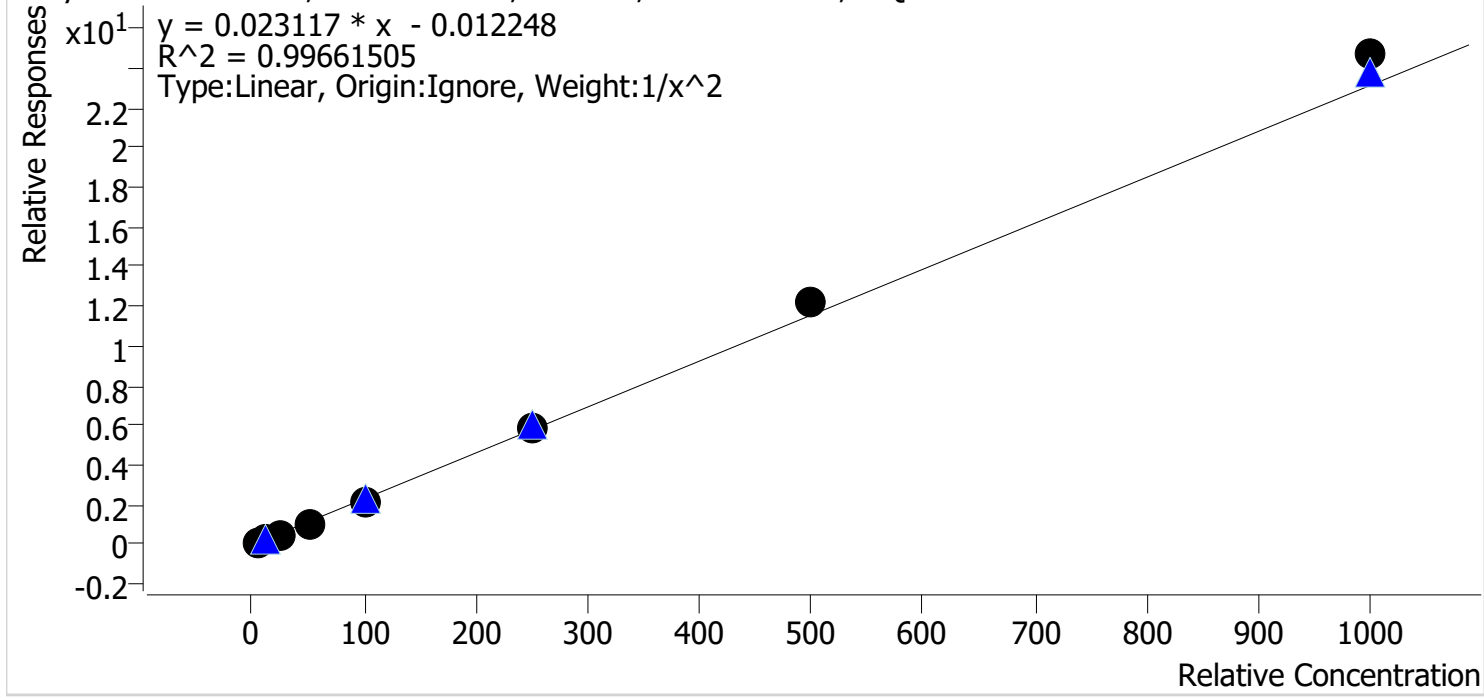
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 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	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.5	94.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.2	96.5
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	253.4	101.3
p1 Cal 7-500ng	7	✓	500.0	528.1	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1067.9	106.8

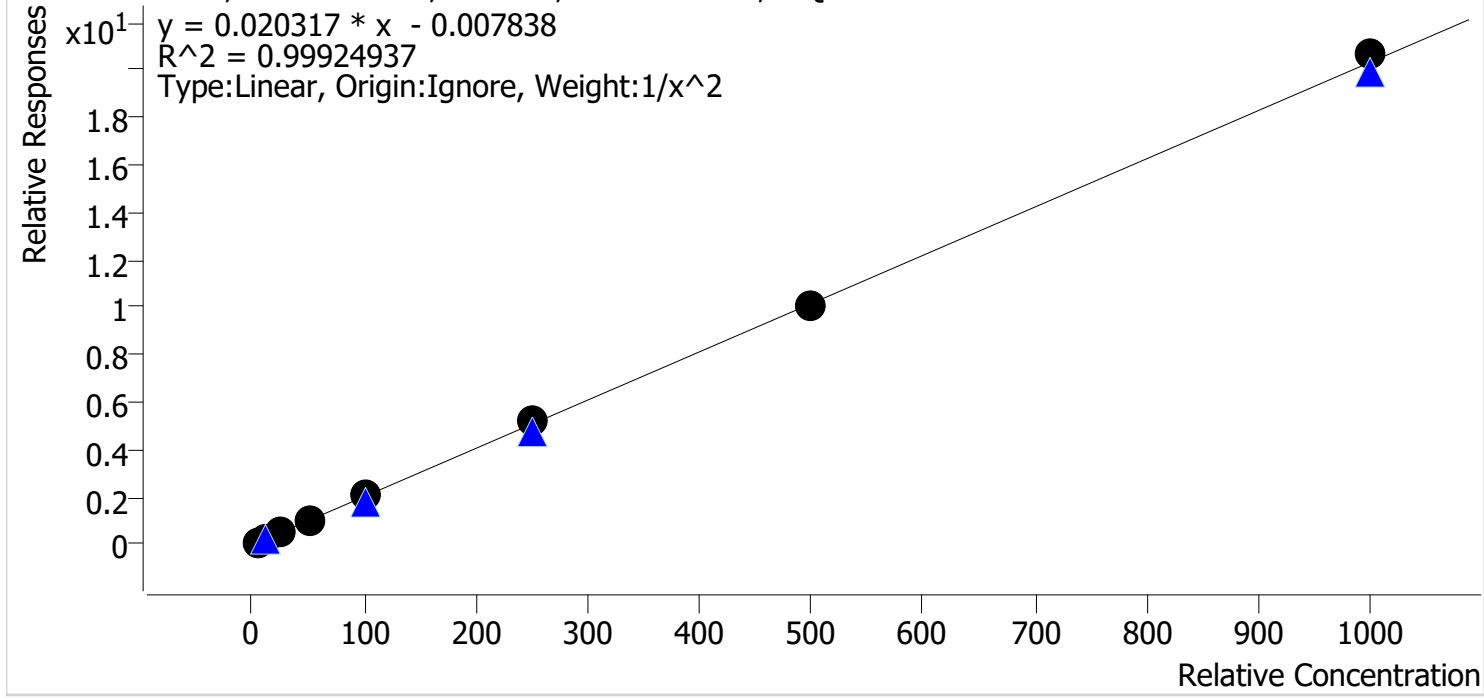
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 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	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1016.7	101.7

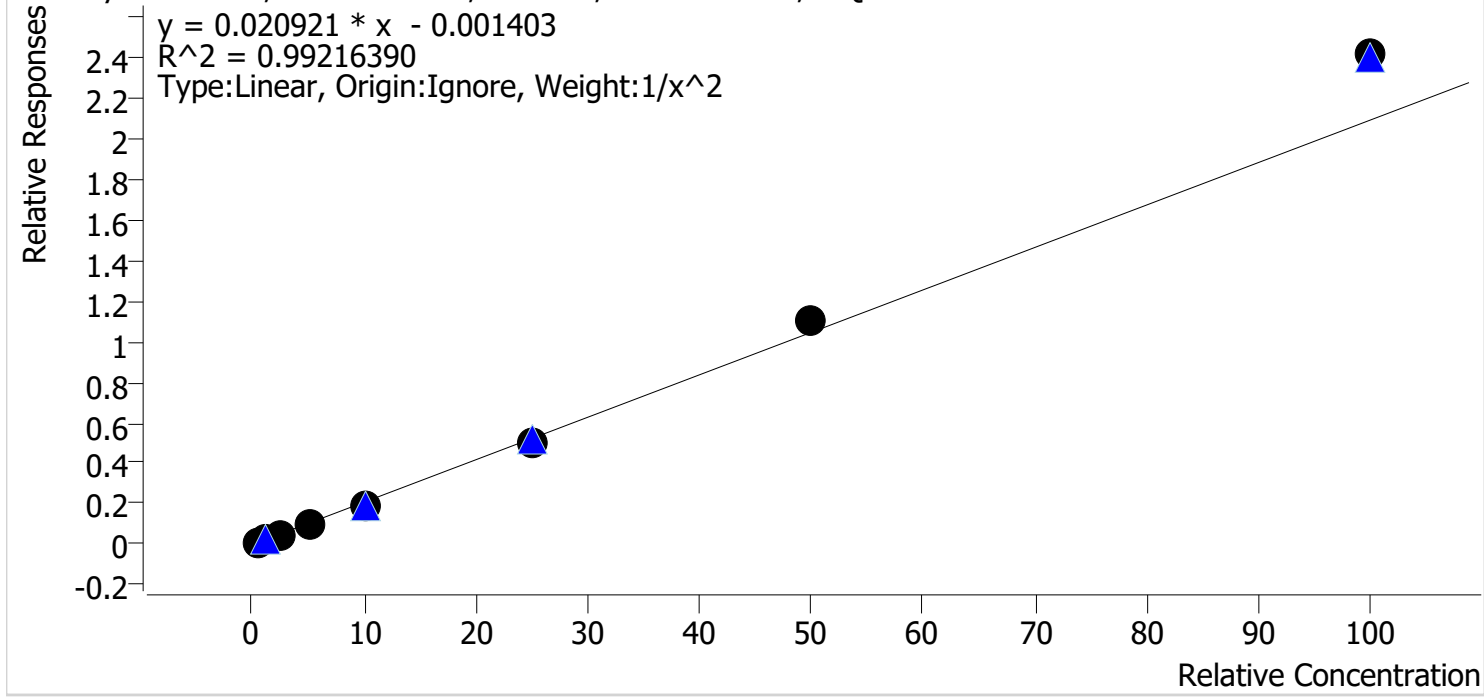
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



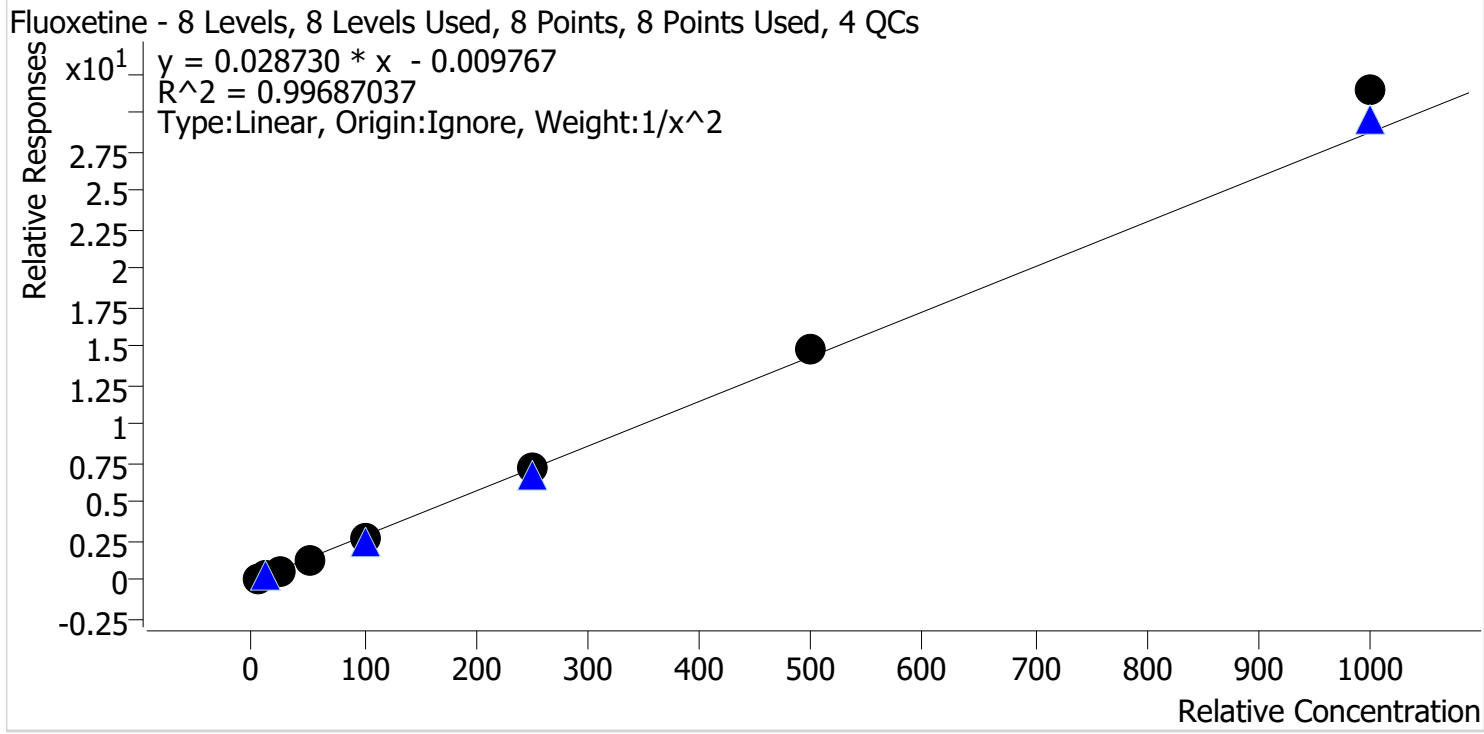
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.5
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.1
p1 Cal 5-100ng	5	✓	10.0	9.5	94.9
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	52.4	104.9
p1 Cal 8-1000ng	8	✓	100.0	115.5	115.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1093.9	109.4

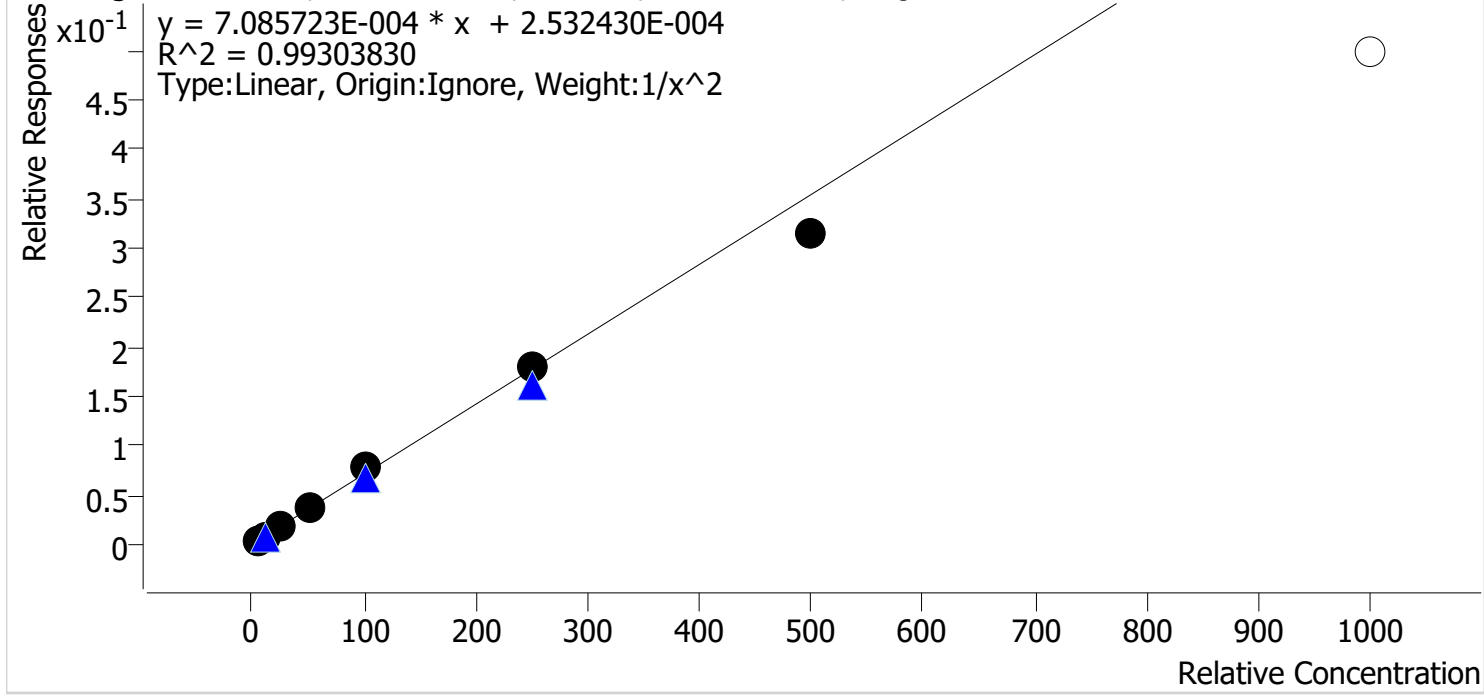
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

Lamotrigine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



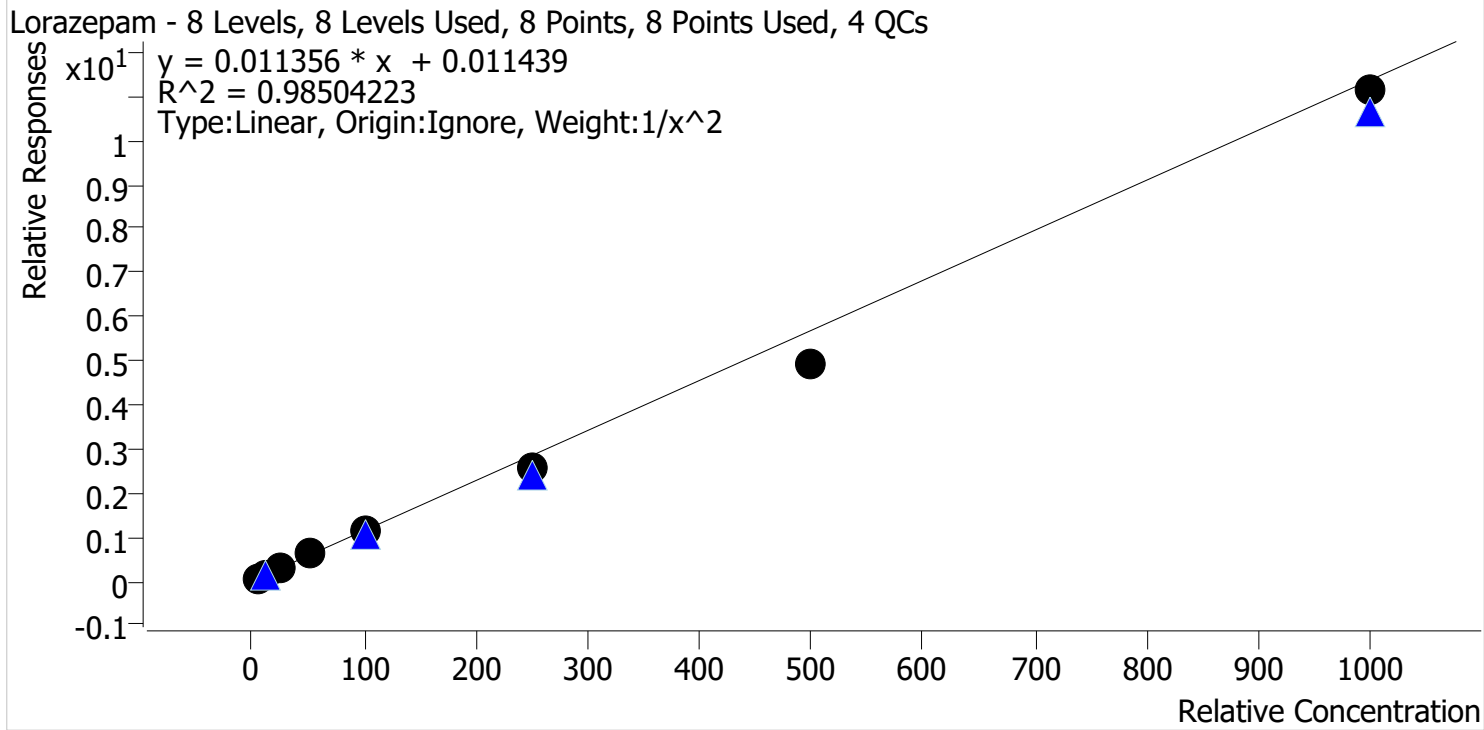
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.3	93.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	110.0	110.0
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	443.5	88.7
p1 Cal 8-1000ng	8	x	1000.0	703.4	70.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.4
p1 Cal 2-10ng	2	✓	10.0	11.3	113.2
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.3
p1 Cal 4-50ng	4	✓	50.0	56.0	112.0
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	227.4	91.0
p1 Cal 7-500ng	7	✓	500.0	435.7	87.1
p1 Cal 8-1000ng	8	✓	1000.0	979.7	98.0

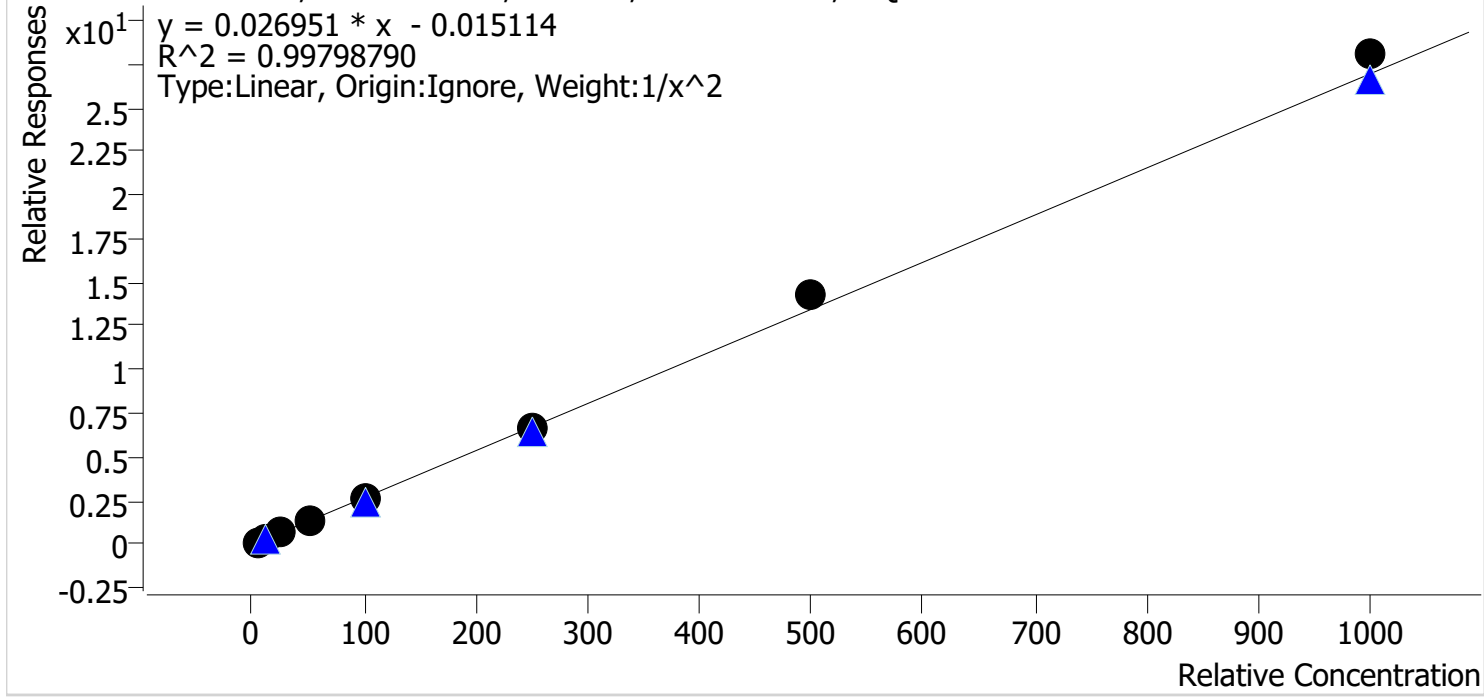
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

Methadone - 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	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	527.8	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1041.5	104.1

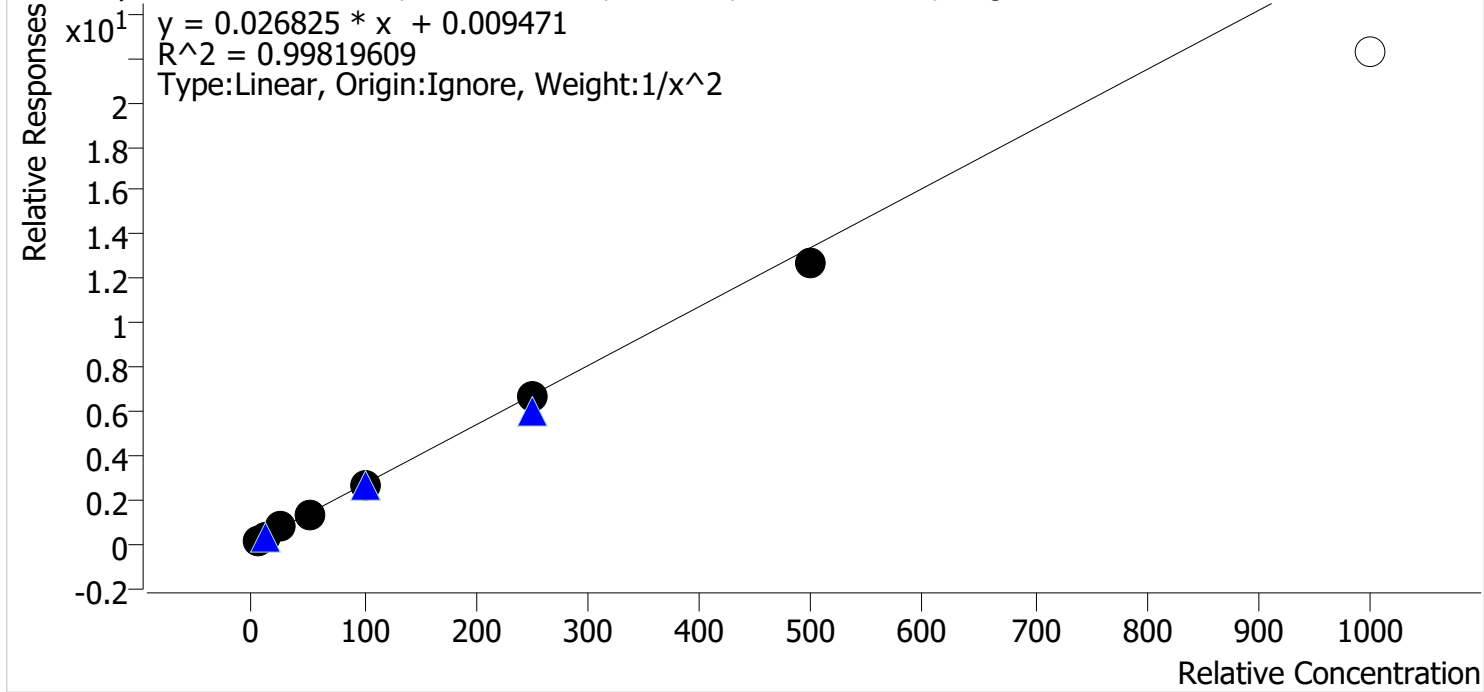
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	471.1	94.2
p1 Cal 8-1000ng	8	x	1000.0	829.5	82.9

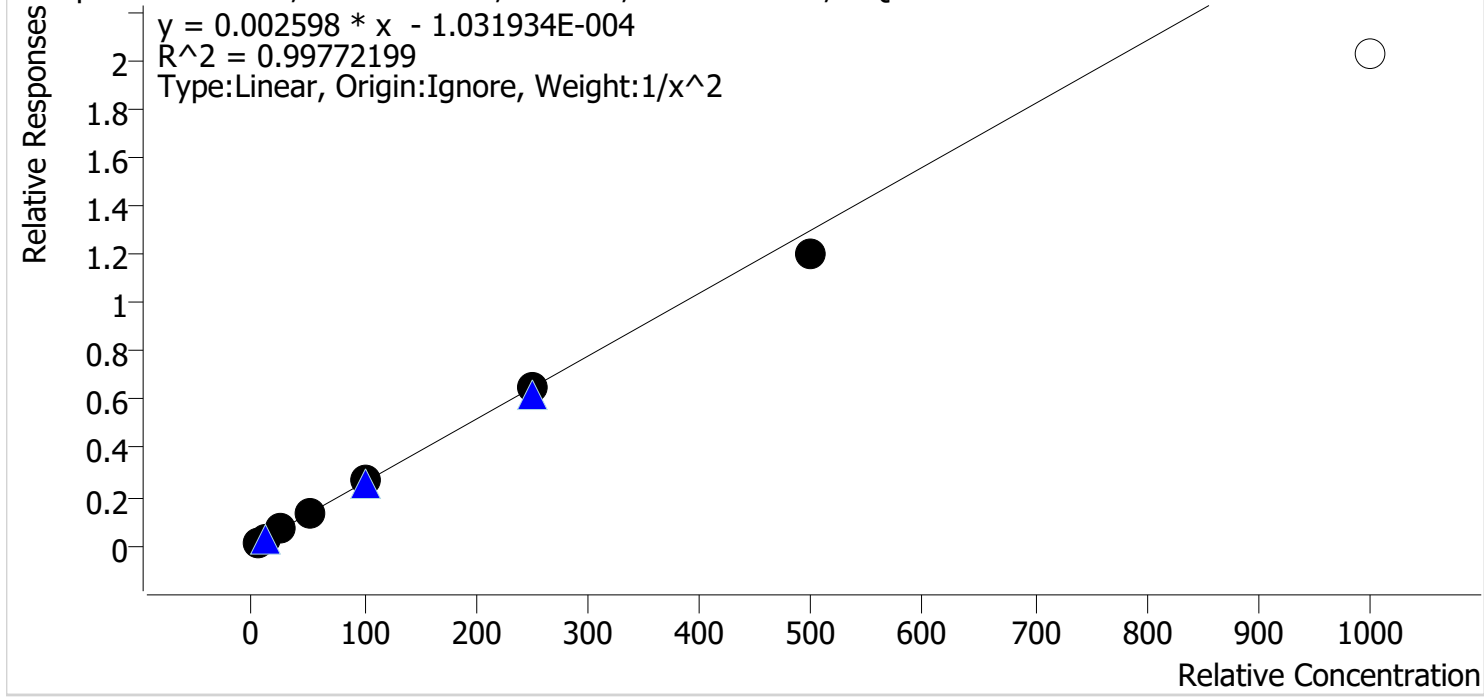
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	462.0	92.4
p1 Cal 8-1000ng	8	x	1000.0	778.5	77.9

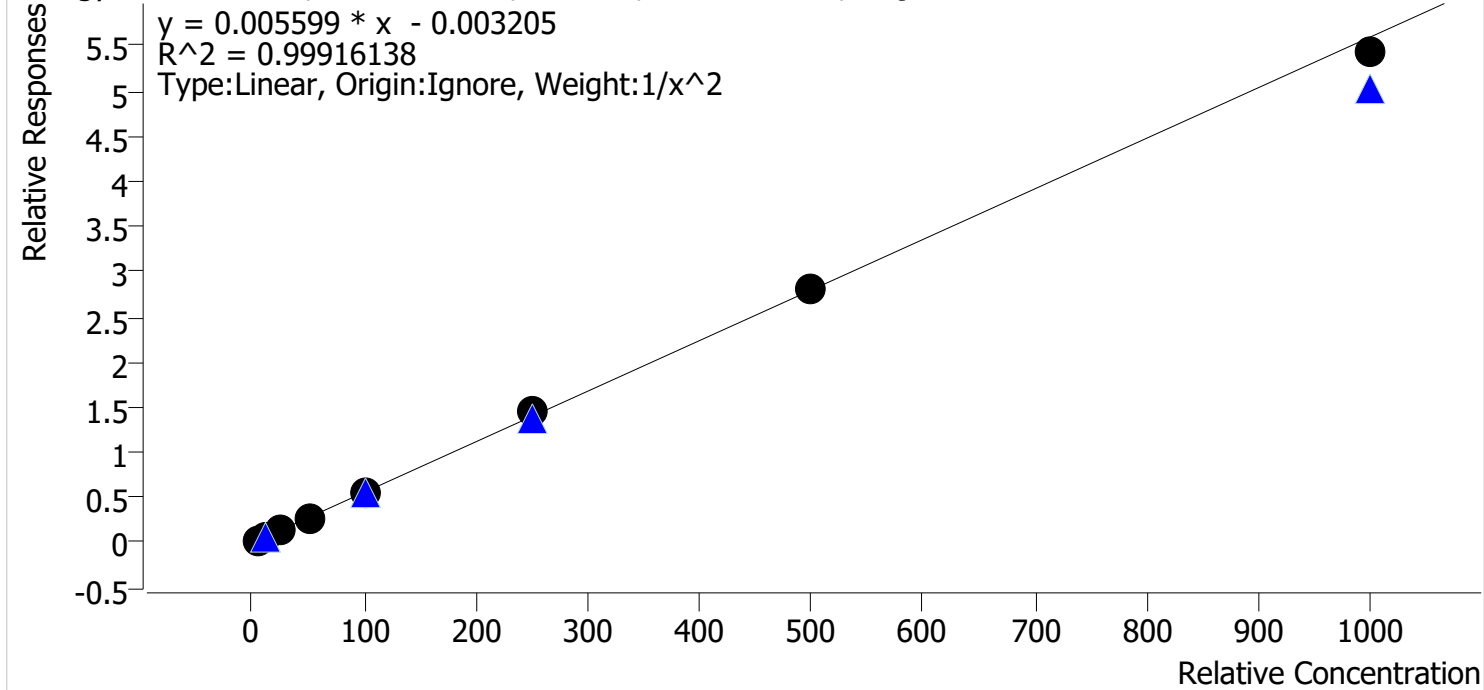
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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



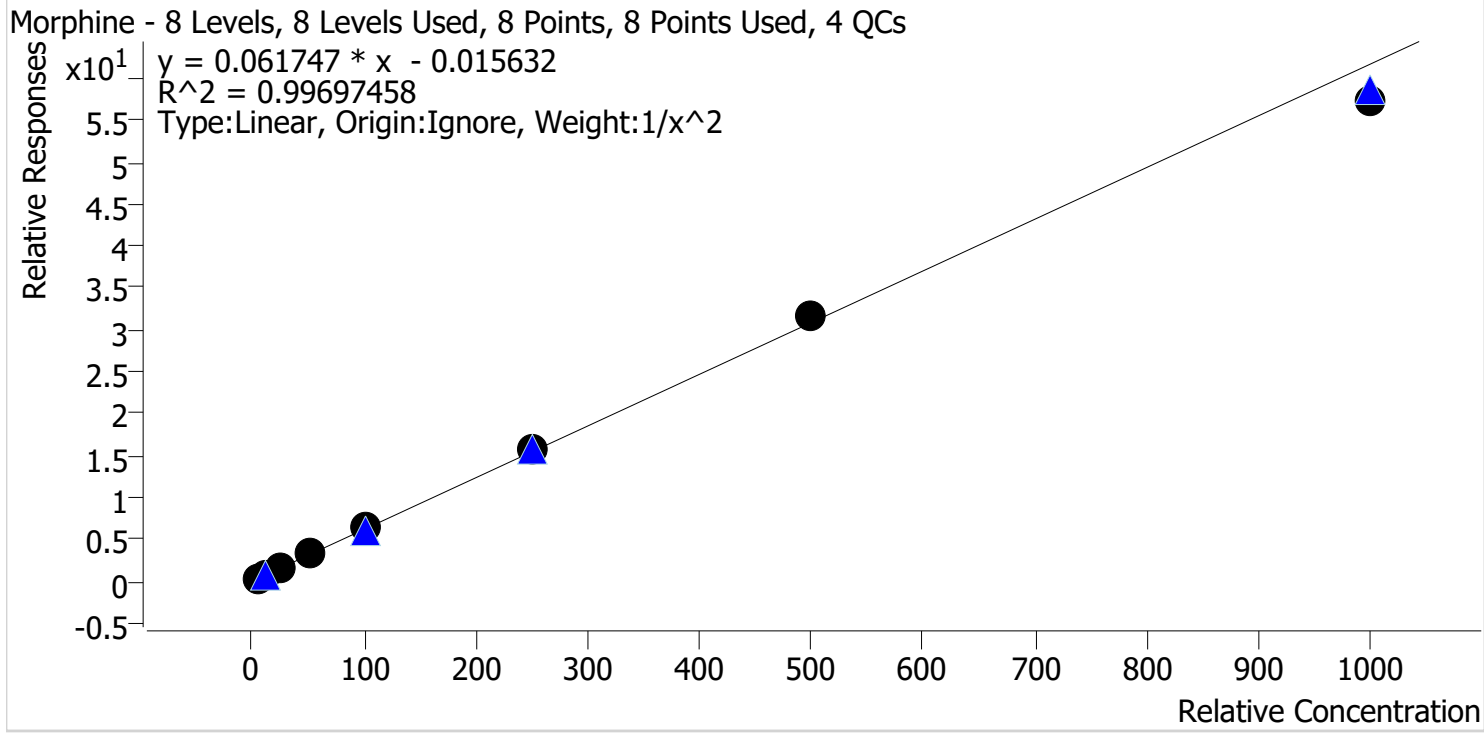
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	263.1	105.3
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	970.0	97.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.4	94.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	932.0	93.2

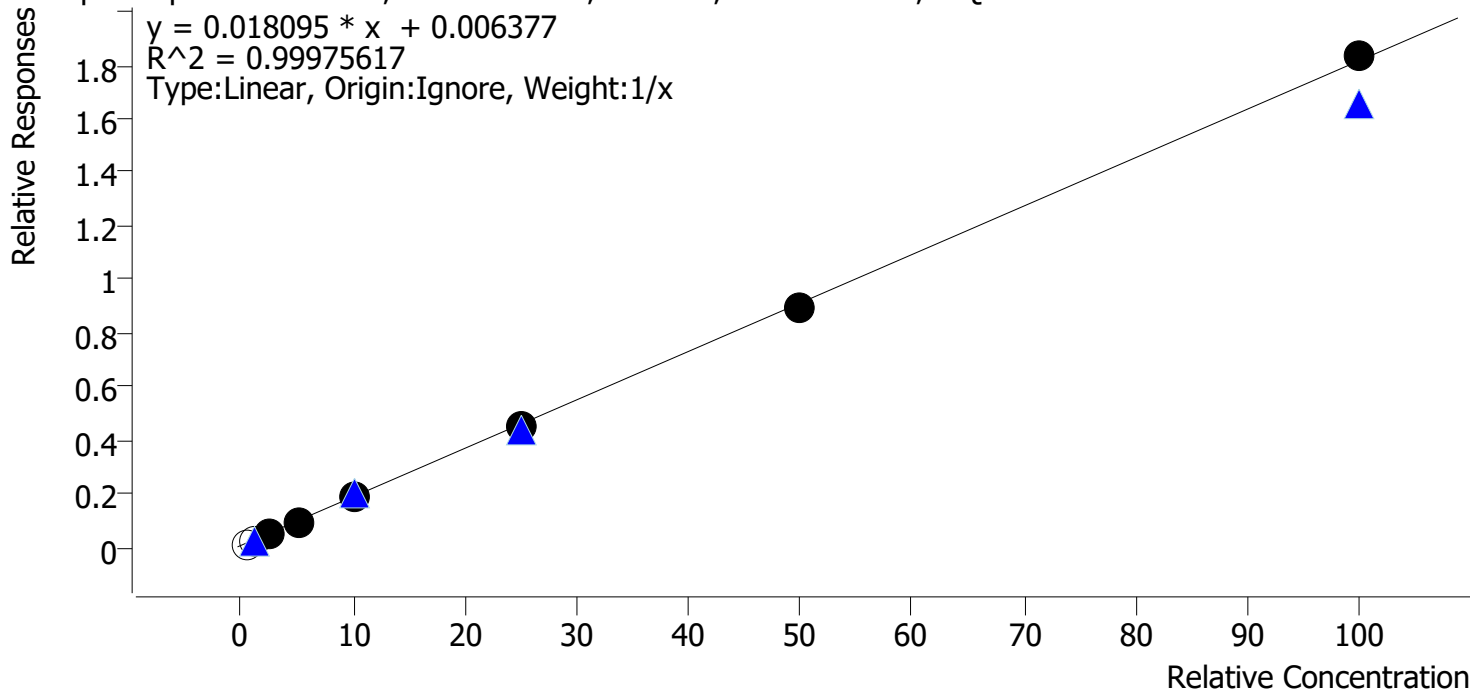
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 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	x	0.5	0.2	32.9
p1 Cal 2-10ng	2	x	1.0	0.9	89.1
p1 Cal 3 -25ng	3	✓	2.5	2.6	104.5
p1 Cal 4-50ng	4	✓	5.0	4.8	95.8
p1 Cal 5-100ng	5	✓	10.0	10.1	101.0
p1 Cal 6-250ng	6	✓	25.0	24.8	99.3
p1 Cal 7-500ng	7	✓	50.0	49.3	98.5
p1 Cal 8-1000ng	8	✓	100.0	100.9	100.9

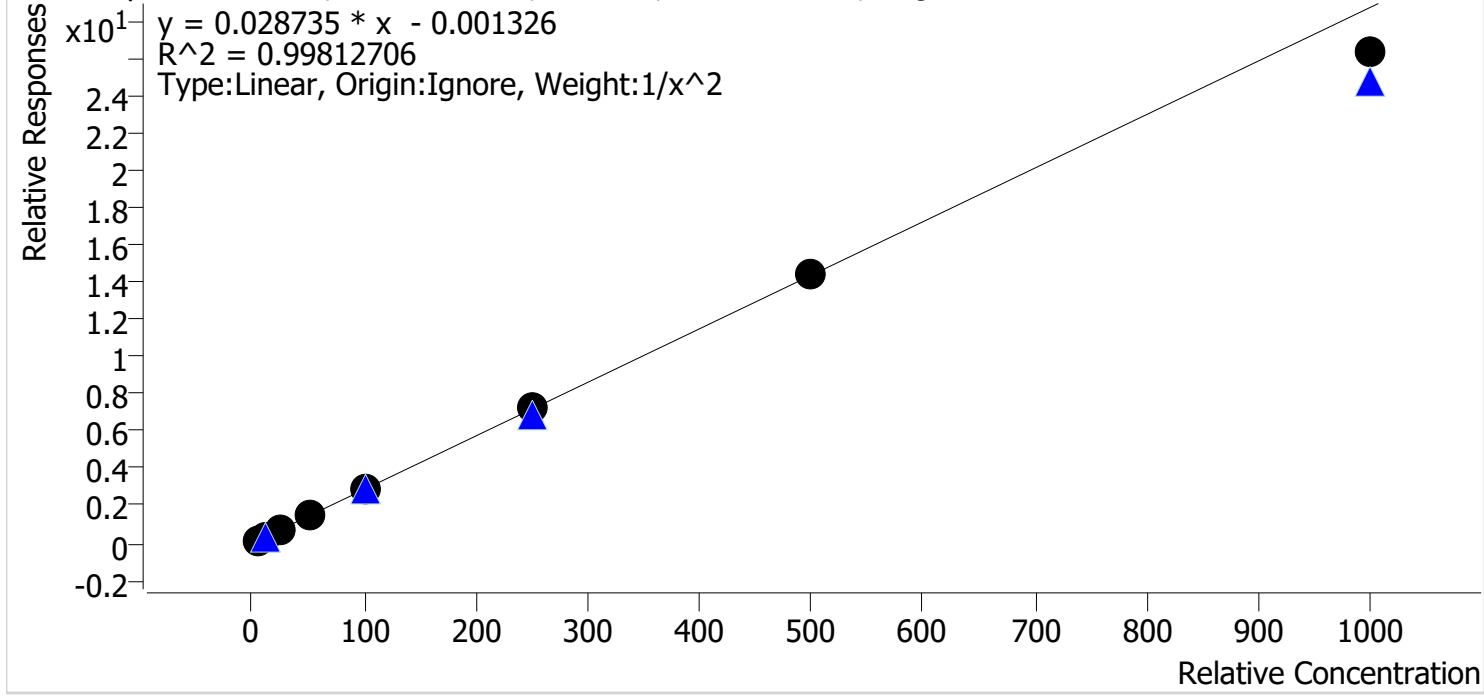
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

Nordiazepam - 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	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	500.4	100.1
p1 Cal 8-1000ng	8	✓	1000.0	916.3	91.6

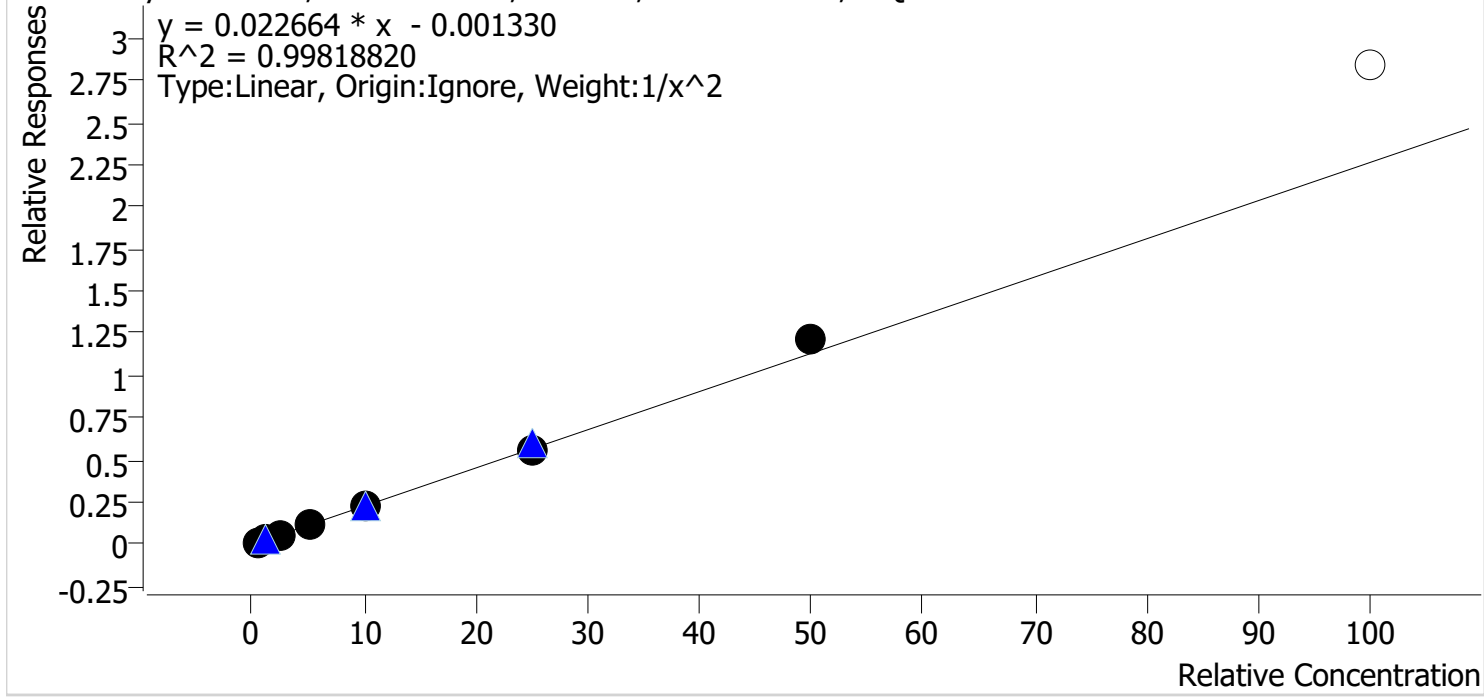
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Norfentanyl Internal Standard Norfentanyl-D5

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.8
p1 Cal 2-10ng	2	✓	1.0	1.0	100.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.8
p1 Cal 5-100ng	5	✓	10.0	9.7	96.9
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	53.7	107.5
p1 Cal 8-1000ng	8	x	100.0	125.7	125.7

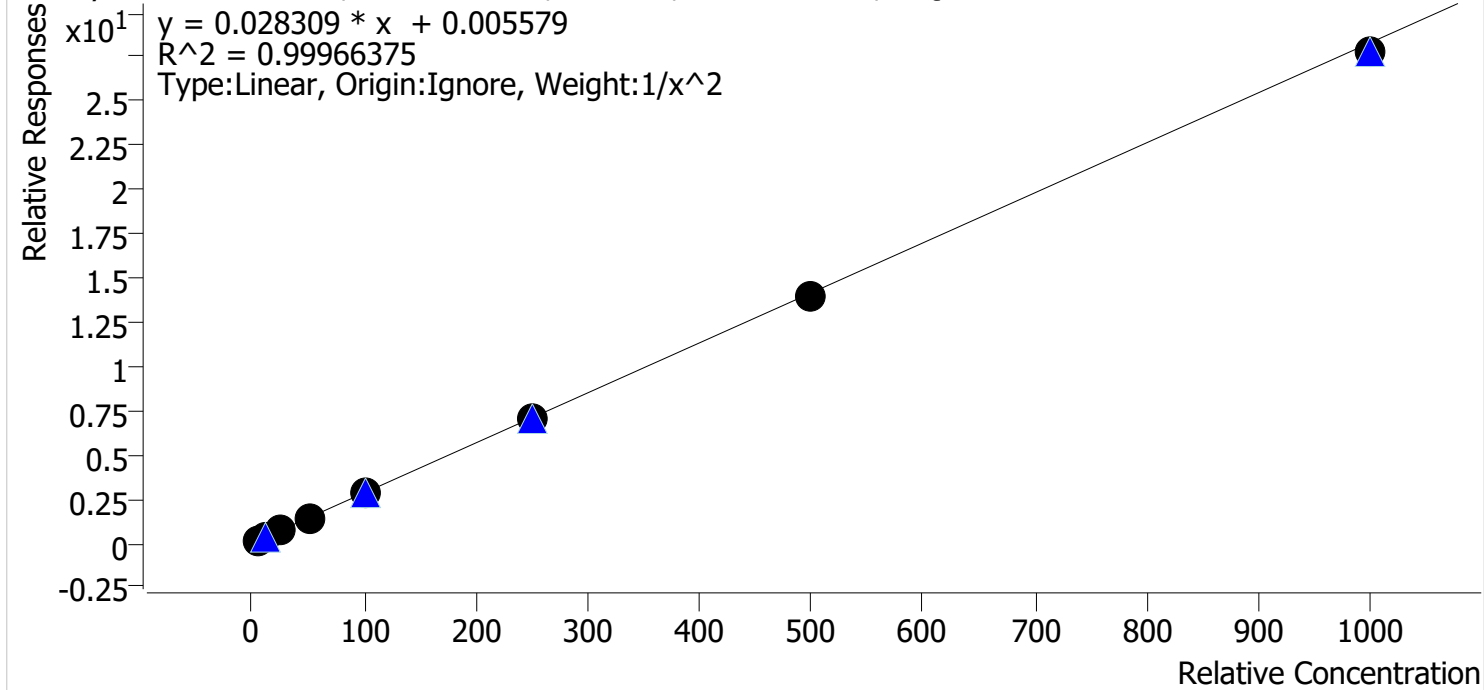
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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



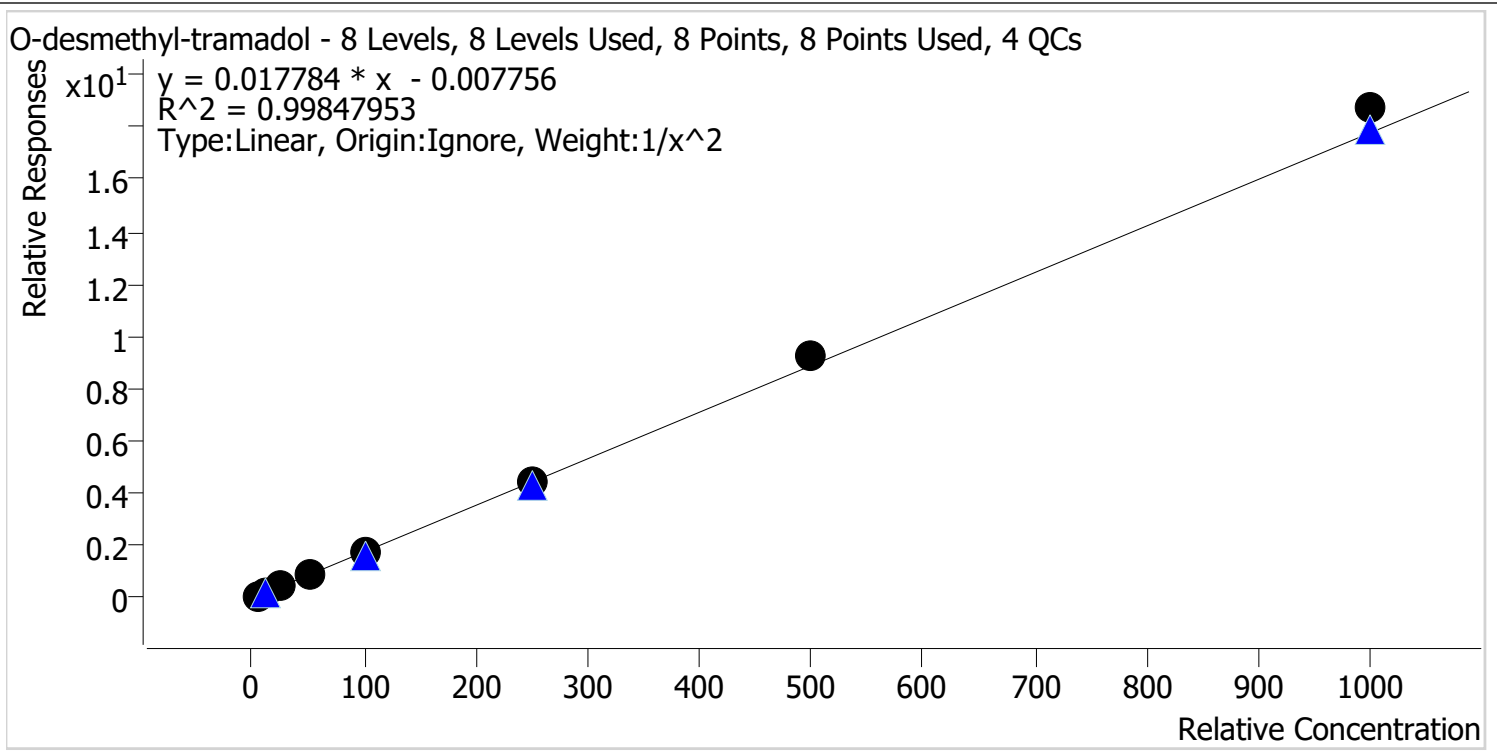
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	981.0	98.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



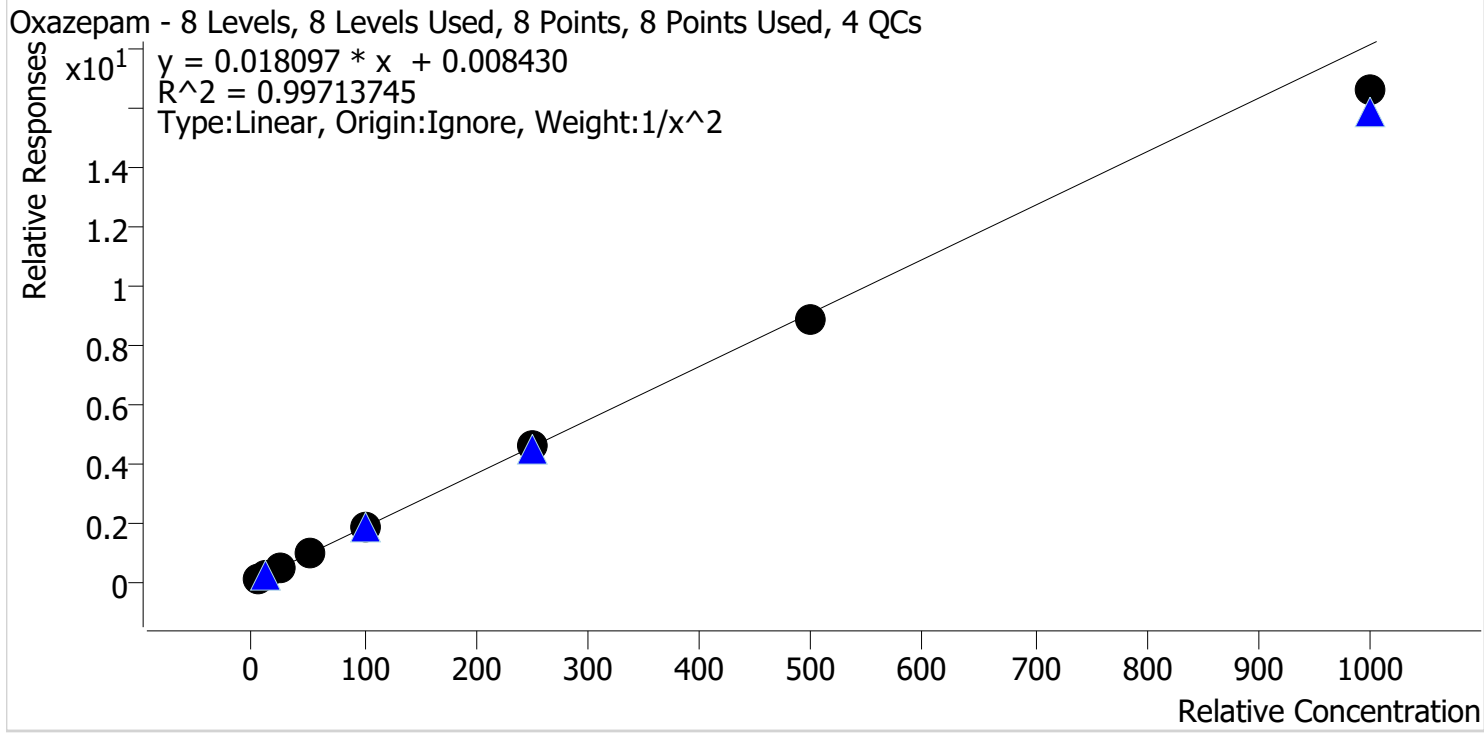
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1053.6	105.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 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	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	488.1	97.6
p1 Cal 8-1000ng	8	✓	1000.0	914.9	91.5

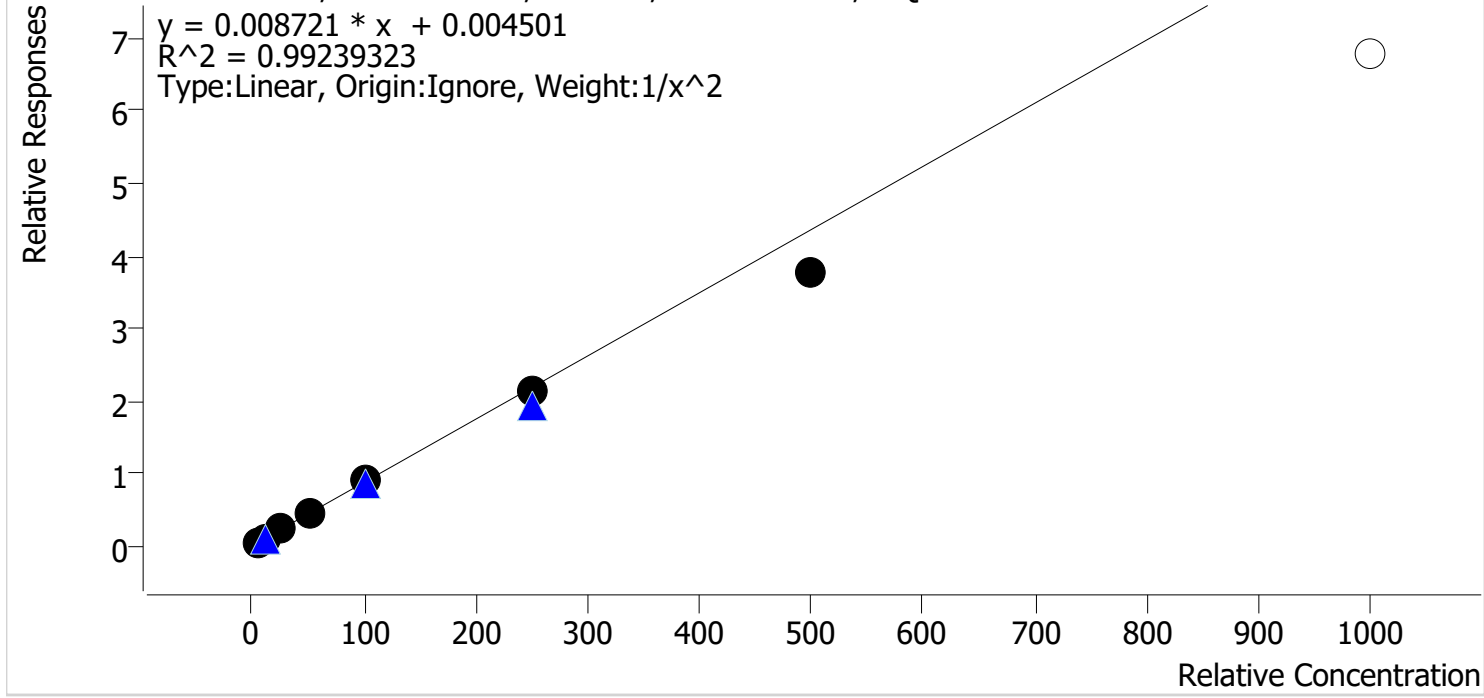
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	431.3	86.3
p1 Cal 8-1000ng	8	x	1000.0	777.5	77.7

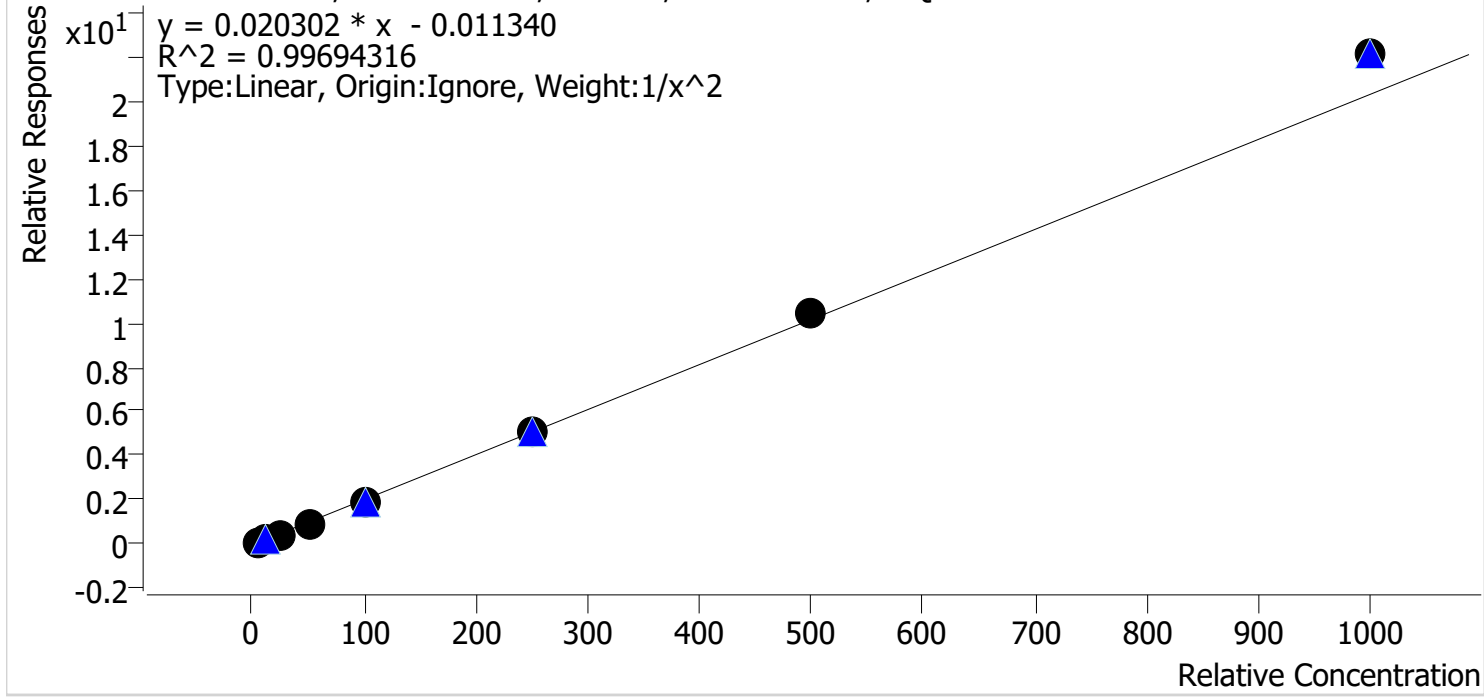
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



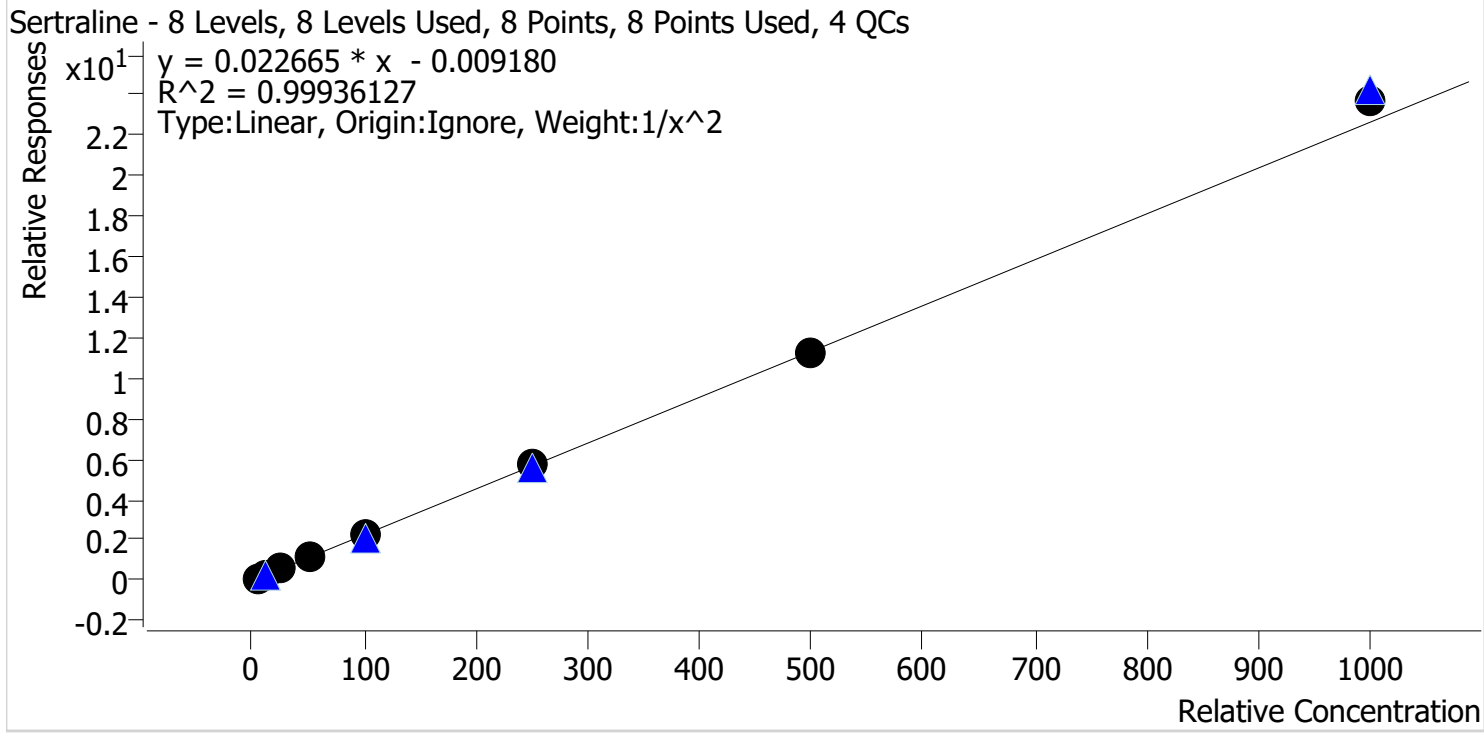
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1089.0	108.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 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	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1045.7	104.6

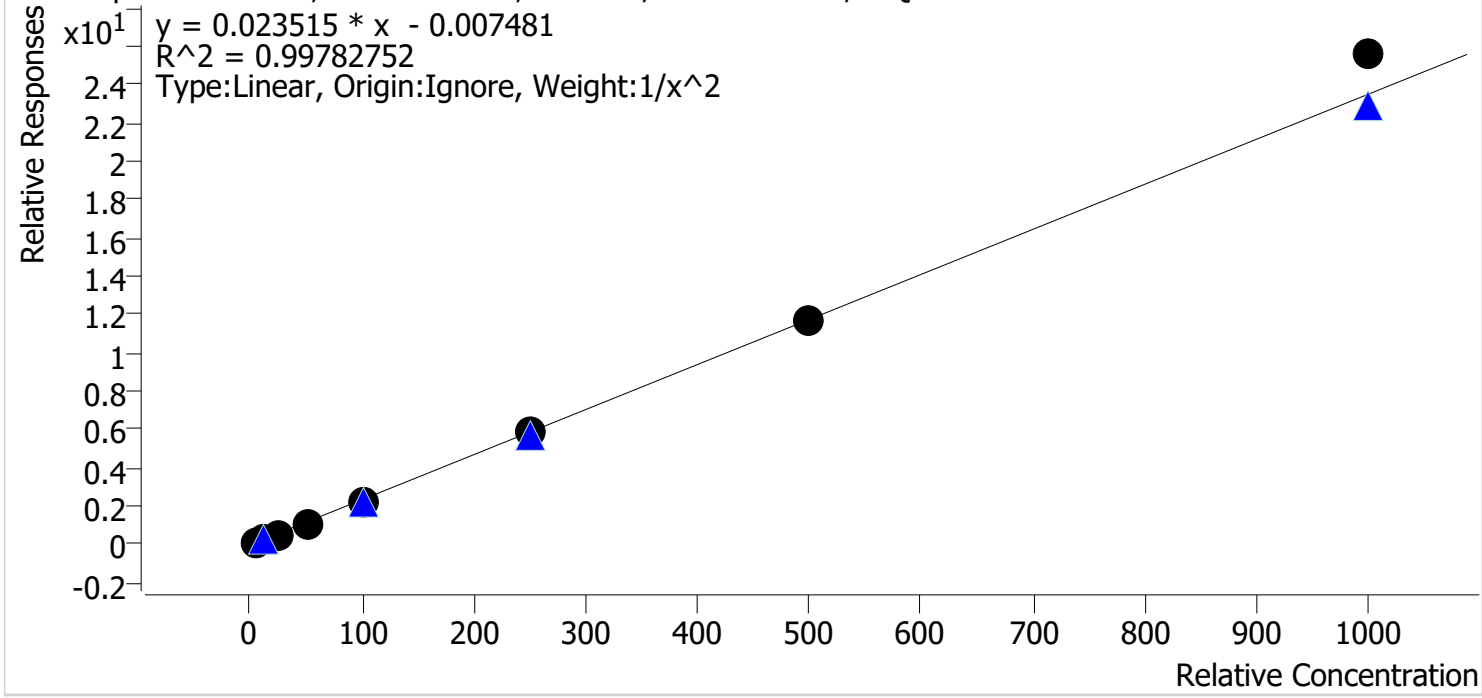
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



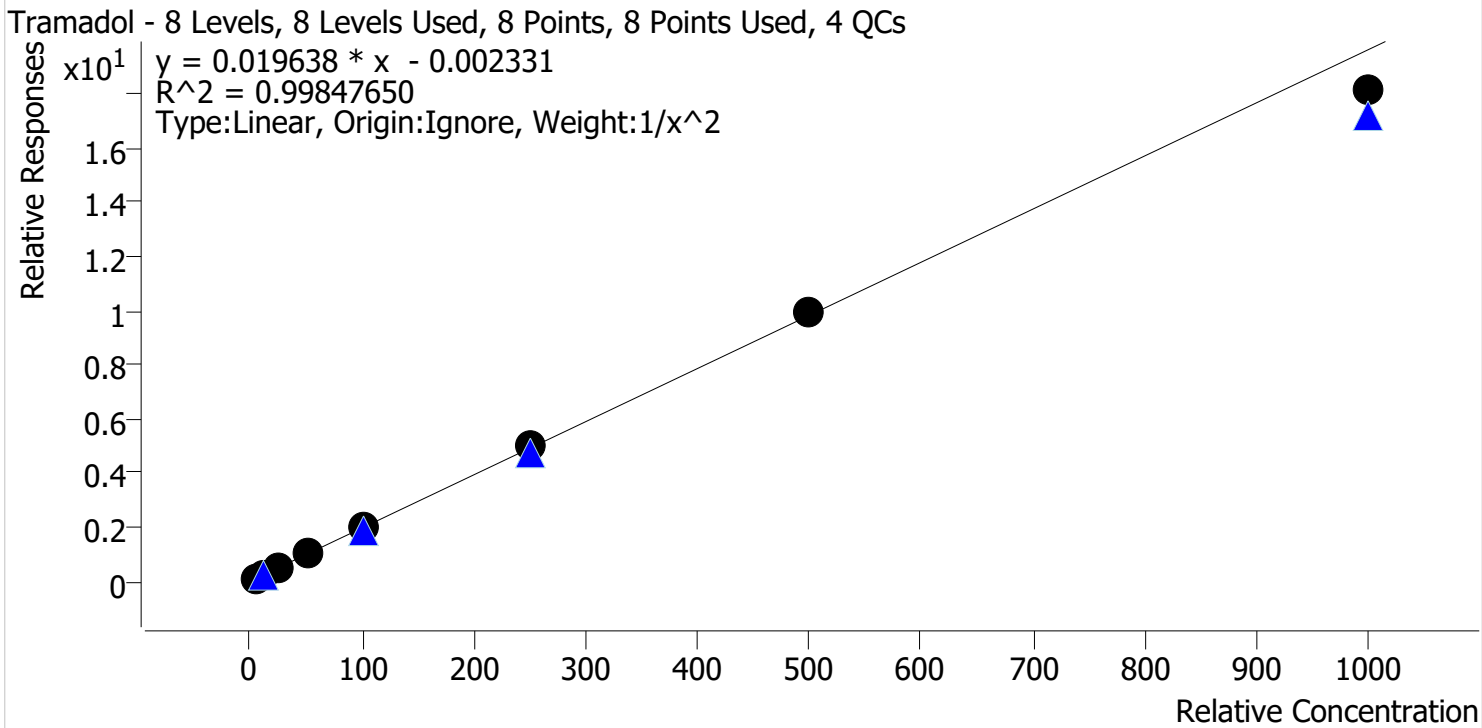
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1088.8	108.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	923.7	92.4

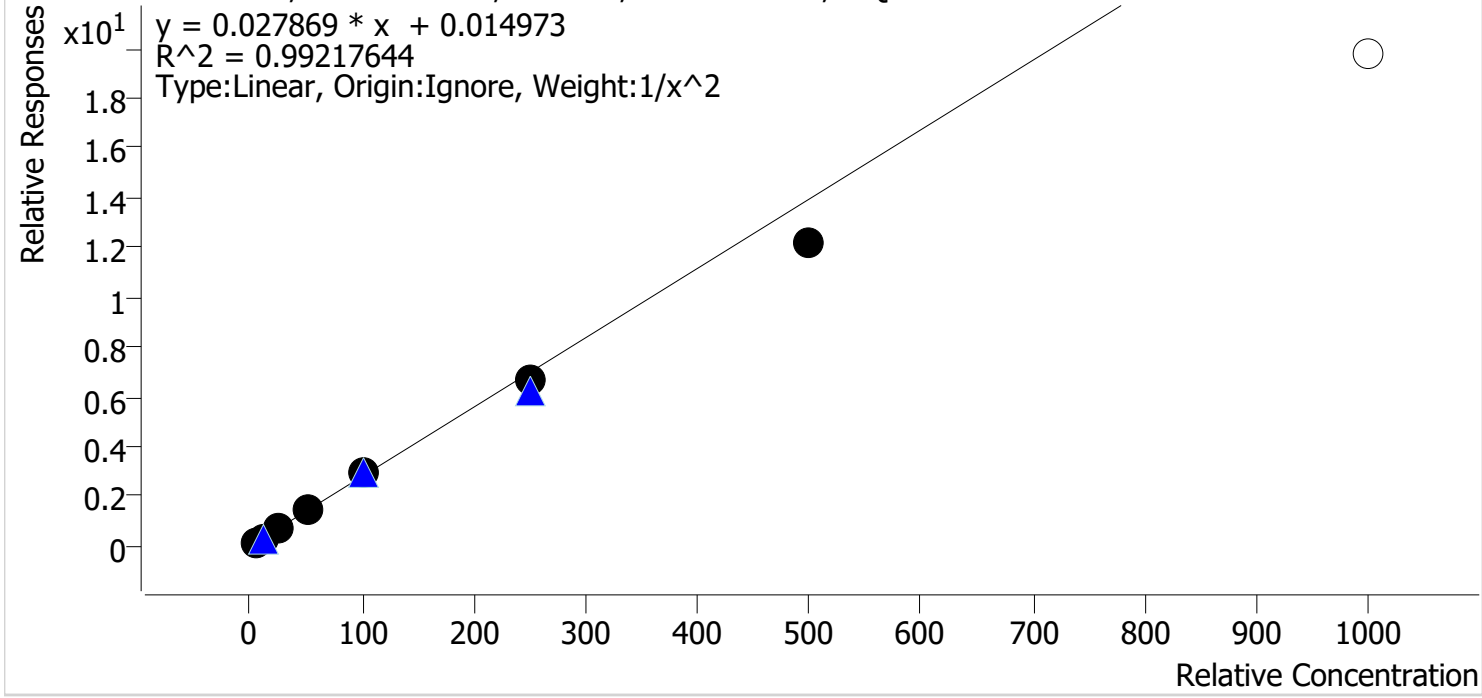
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	240.1	96.0
p1 Cal 7-500ng	7	✓	500.0	434.5	86.9
p1 Cal 8-1000ng	8	x	1000.0	708.7	70.9

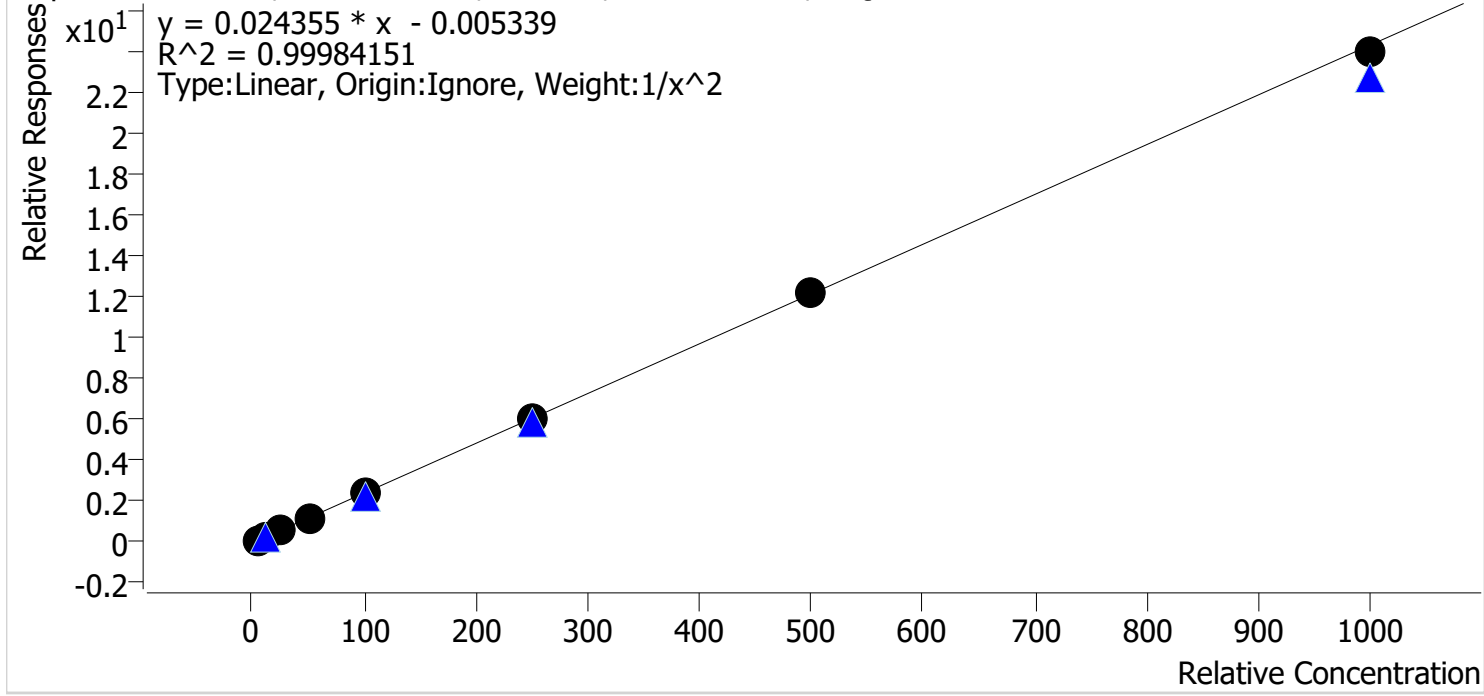
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Last Cal. Update 5/9/2024 10:59 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 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	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	985.7	98.6

AM #28 Multi-Drug Quant. Results

TS

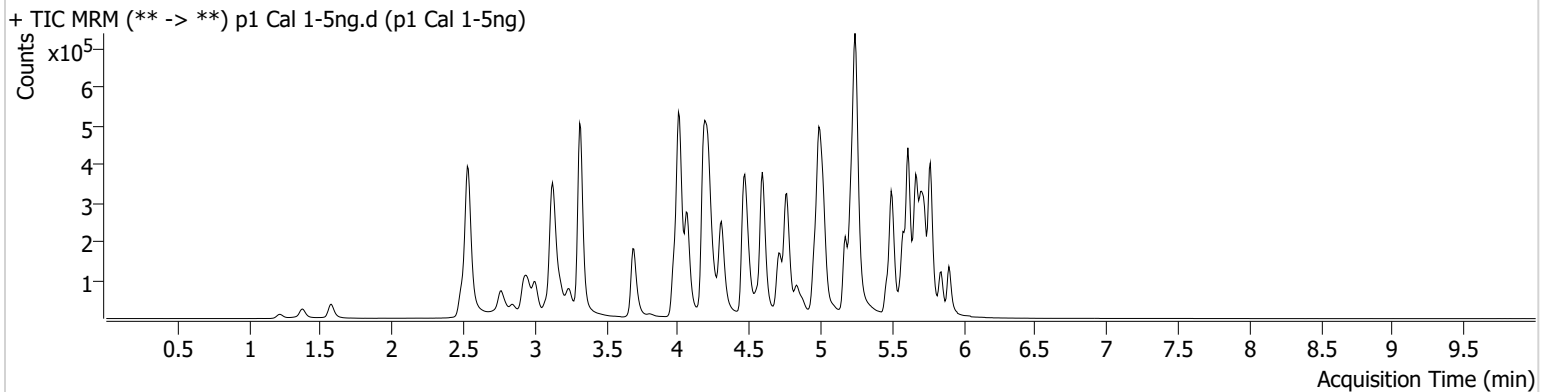


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 1-5ng.d
Type Cal **Sample** p1 Cal 1-5ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-A1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 9:15:35 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	16221	5688.08	79.4	604.89	171662	4.8392 ng/ml
9-hydroxyrisperidone	4.596	2488	2029.75	4011.3	8179.38	873335	5.0633 ng/ml
a-hydroxyalprazolam	5.651	7215	1317.48	67.2	∞	67361	4.9496 ng/ml
Alprazolam	5.728	31469	296.69	110.2	448.27	281777	5.1651 ng/ml
Amphetamine	3.006	109535	318.74	47.8	1207.27	298934	4.0783 ng/ml
Bromazolam	5.766	16564	13490.94	108.3	8487.30	142950	4.9271 ng/ml
Buprenorphine	5.628	1193	2370.30	20.3 High	323.58	91779	0.8560 ng/ml
Citalopram	5.173	48609	293.18	34.9	1329.49	436093	5.0972 ng/ml
Clonazepam	5.570	32066	1192.31	34.5	4639.15	98747	4.7926 ng/ml
Cyclobenzaprine	5.586	34009	33127.40	10.0	∞	353706	5.1188 ng/ml
Diazepam	5.906	22297	125.34	90.7	1921.33	214356	4.9573 ng/ml
Diphenhydramine	5.251	137340	108.22	29.3	120.71	1434754	5.0526 ng/ml
Doxylamine	4.484	116917	1284.27	95.6	2758.12	1081397	5.2068 ng/ml
Duloxetine	5.606	3310	229.29	13.1	52.59	36442	4.9872 ng/ml
EDDP	5.215	52624	118.56	39.0	250.17	548829	5.1051 ng/ml
Fentanyl	5.035	4426	23.80	75.0	115.10	465104	0.5219 ng/ml
Fluoxetine	5.666	38573	35040.70	7.0	1897.77	278985	5.1524 ng/ml
Hydroxyzine	5.649	46191	3050.29	68.5	247.84	291188	5.1188 ng/ml
Lamotrigine	4.218	4276	41.51	82.9	3137.62	1101933	5.1194 ng/ml
Lorazepam	5.706	24459	320.35	61.4	20.56	389671	4.5199 ng/ml
Methadone	5.618	80985	278.57	49.5	137.13	652709	5.1646 ng/ml
Methamphetamine	3.182	96760	183.02	38.5	110.88	682728	4.9303 ng/ml
Metoprolol	4.272	12227	760.56	106.7	203.02	954746	4.9687 ng/ml
Mitragynine	5.163	16295	142.00	32.7	427.89	652709	5.0308 ng/ml
Morphine	1.227	3087	1175.65	25.5	2793.09	10193	5.1577 ng/ml
Norbuprenorphine	4.938	187	64.93	184.7 High	185.30	20042	0.1644 ng/ml
Nordiazepam	5.846	24128	294.29	59.6	457.34	170686	4.9657 ng/ml
Norfentanyl	4.028	9371	7465.50	39.1	67.39	928974	0.5038 ng/ml
Noroxycodone	2.866	12070	66.68	45.7	158.43	81754	5.0180 ng/ml
O-desmethyl-tramadol	3.321	102928	416.53	5.5	36.05	1238132	5.1107 ng/ml
Olanzapine	4.325	14632	174.02	56.8	244.53	76030	5.0293 ng/ml

TS

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	37920	235.93	70.8	50.72	389671	4.9116 ng/ml
Oxycodone	2.791	29785	372.87	30.4	341.97	249925	5.0173 ng/ml
Phentermine	3.724	24222	∞	8.6	152.21	520926	4.8157 ng/ml
Promethazine	5.503	59793	352.31	30.0	102.95	640612	5.1559 ng/ml
Sertraline	5.735	8486	10770.97	92.9	5519.70	81063	5.0241 ng/ml
Temazepam	5.776	64254	189.79	26.2	124.87	570941	5.1041 ng/ml
Tramadol	4.197	91284	902.31	3.3	51.53	954746	4.9874 ng/ml
Trazodone	5.000	71144	50946.41	59.8	22426.47	470971	4.8830 ng/ml
Zolpidem	4.783	88183	464.35	28.2	170.80	761319	4.9752 ng/ml

AM #28 Multi-Drug Quant. Results

TS

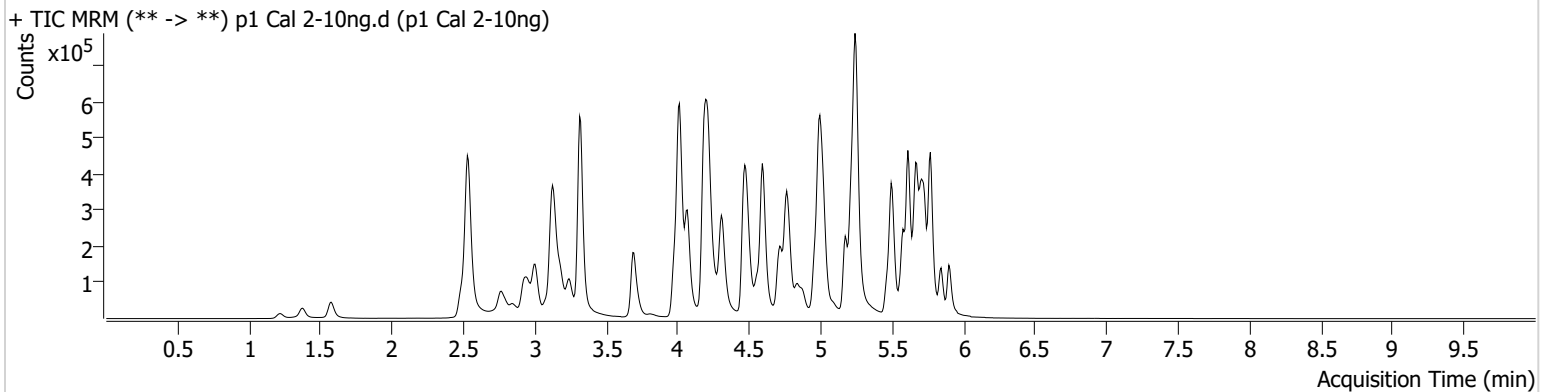


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 2-10ng.d
Type Cal **Sample** p1 Cal 2-10ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-B1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 9:26:22 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	33857	3025.27	75.0	50.39	169560	10.3016 ng/ml
9-hydroxyrisperidone	4.596	5147	5675.77	3877.1	2272.44	880643	9.7796 ng/ml
a-hydroxyalprazolam	5.651	15676	78.87	68.3	2412.10	71343	9.8786 ng/ml
Alprazolam	5.728	62155	1006.72	113.0	∞	282092	9.6155 ng/ml
Amphetamine	3.006	221839	207.40	47.5	146.06	302773	9.7722 ng/ml
Bromazolam	5.766	33303	22792.98	108.1	30670.29	144429	10.1383 ng/ml
Buprenorphine	5.635	2033	228.95	12.1 Low	308.49	82231	1.2425 ng/ml
Citalopram	5.173	92258	284.62	33.2	66.37	404007	9.8806 ng/ml
Clonazepam	5.570	68798	971.30	34.9	14605.53	99539	10.4591 ng/ml
Cyclobenzaprine	5.586	65637	761.08	8.6	96.63	324883	9.8571 ng/ml
Diazepam	5.906	43738	145.04	90.3	396.00	204279	10.0666 ng/ml
Diphenhydramine	5.251	268428	175.78	29.3	159.17	1353044	9.9710 ng/ml
Doxylamine	4.490	226423	787.41	102.9	298580.31	1096593	9.4619 ng/ml
Duloxetine	5.606	6409	735.89	12.2	540.08	34785	10.2012 ng/ml
EDDP	5.215	98959	146.73	42.2	212.32	527657	9.6166 ng/ml
Fentanyl	5.035	7947	299.47	77.7	4201.37	427654	0.9553 ng/ml
Fluoxetine	5.666	69553	1245.70	7.9	129.52	259770	9.6594 ng/ml
Hydroxyzine	5.649	88788	1594.83	69.0	47715.75	273048	9.8977 ng/ml
Lamotrigine	4.218	7754	128.55	87.2	4115.38	1129431	9.3323 ng/ml
Lorazepam	5.706	52732	3286.43	47.6	86.80	376656	11.3205 ng/ml
Methadone	5.618	145185	516.21	51.7	252.75	600262	9.5353 ng/ml
Methamphetamine	3.182	190564	2771.57	37.7	132.28	685255	10.0140 ng/ml
Metoprolol	4.279	24900	10873.76	102.6	3954.85	966464	9.9555 ng/ml
Mitragynine	5.163	31555	1806.63	36.2	280.51	600262	9.9608 ng/ml
Morphine	1.227	6046	276.58	27.7	3898.11	10697	9.4066 ng/ml
Norbuprenorphine	4.944	473	379.07	70.6 Low	89.36	21012	0.8915 ng/ml
Nordiazepam	5.846	47896	266.75	55.6	571.96	168094	9.9623 ng/ml
Norfentanyl	4.035	20079	7869.52	37.0	82.21	939675	1.0015 ng/ml
Noroxycodone	2.866	23886	662.62	50.2	362.27	84013	9.8459 ng/ml
O-desmethyl-tramadol	3.321	212013	1012.02	5.5	121.17	1275970	9.7793 ng/ml
Olanzapine	4.325	26971	416.07	52.3	118.20	70782	9.8780 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	71750	132.18	72.2	63.38	376656	10.0606 ng/ml
Oxycodone	2.791	60546	787.18	28.5	107.78	250586	9.9895 ng/ml
Phentermine	3.724	49311	387.70	7.5	143.39	521774	10.3207 ng/ml
Promethazine	5.503	109379	1441.47	30.6	345.85	595278	9.6091 ng/ml
Sertraline	5.735	16297	102.13	96.9	314.80	75353	9.9475 ng/ml
Temazepam	5.776	122329	715.16	26.9	66.24	549905	9.7783 ng/ml
Tramadol	4.197	186983	321.13	3.5	52.85	966464	9.9707 ng/ml
Trazodone	5.000	136482	39626.45	61.9	8156.82	464705	10.0012 ng/ml
Zolpidem	4.783	183628	399309.30	28.3	3978.28	762847	10.1029 ng/ml

AM #28 Multi-Drug Quant. Results

TS

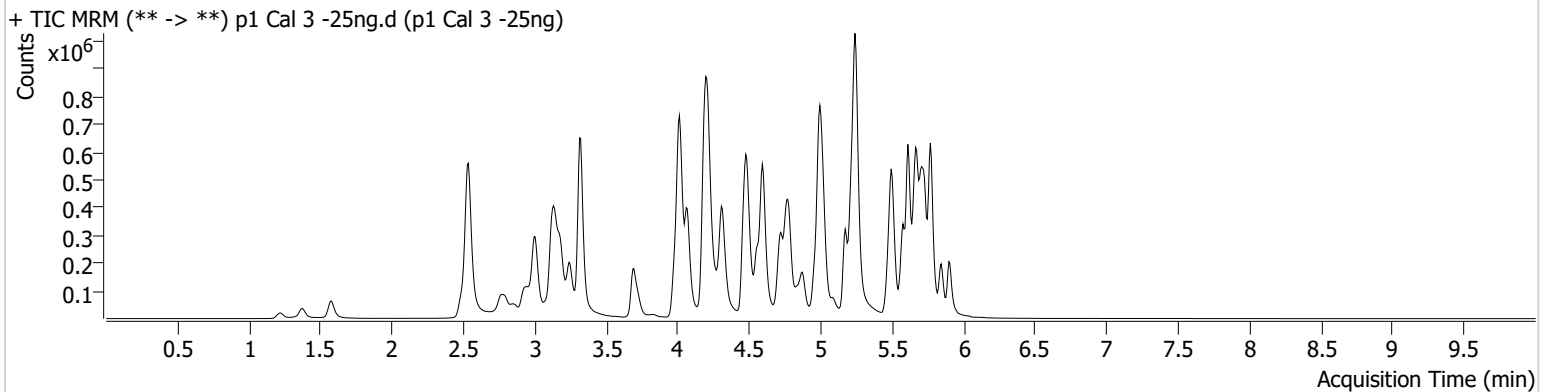


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 3 -25ng.d
Type Cal **Sample** p1 Cal 3 -25ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-C1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 9:36:59 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	84898	266.06	73.6	57.08	165028	26.6485 ng/ml
9-hydroxyrisperidone	4.596	13044	2722.41	3752.2	573587.50	850597	24.7207 ng/ml
a-hydroxyalprazolam	5.651	39066	313.08	63.5	599.58	65044	26.5470 ng/ml
Alprazolam	5.728	153626	602.67	113.9	544.38	267120	24.1469 ng/ml
Amphetamine	3.006	521343	14369.61	47.6	10055.50	282862	27.0342 ng/ml
Bromazolam	5.766	76992	212.35	114.8	120831.69	135959	25.3886 ng/ml
Buprenorphine	5.635	5044	221.00	18.8	1081.84	77040	2.5863 ng/ml
Citalopram	5.173	225265	559.75	35.0	184.51	396365	23.7927 ng/ml
Clonazepam	5.570	158062	4649.51	36.8	96945.90	92096	26.3109 ng/ml
Cyclobenzaprine	5.586	162773	423328.47	9.0	36257.22	319119	23.6419 ng/ml
Diazepam	5.906	109815	802.04	90.4	248.02	199951	25.6182 ng/ml
Diphenhydramine	5.251	665989	240.33	29.8	1880.91	1336813	24.3337 ng/ml
Doxylamine	4.484	562624	441586.50	100.1	15155.15	1049004	23.7313 ng/ml
Duloxetine	5.612	14974	8969.96	12.4	64.51	35390	23.5385 ng/ml
EDDP	5.215	240429	4711.43	41.1	108.13	481486	24.9636 ng/ml
Fentanyl	5.035	19928	442.57	76.8	266.85	423528	2.3161 ng/ml
Fluoxetine	5.666	170867	7824.71	8.0	22525.96	252981	23.8490 ng/ml
Hydroxyzine	5.649	218030	3818.31	71.3	5971.49	271464	23.6135 ng/ml
Lamotrigine	4.219	18992	446.90	86.8	6785.64	1052228	25.1157 ng/ml
Lorazepam	5.706	118294	2962.95	53.5	234.15	361136	27.8363 ng/ml
Methadone	5.611	373145	1289.26	51.3	4098.56	587995	24.1077 ng/ml
Methamphetamine	3.182	477686	277.25	37.9	454.25	661014	26.5871 ng/ml
Metoprolol	4.272	62586	52238.40	98.3	30026.36	933043	25.8560 ng/ml
Mitragynine	5.164	78699	9406.24	33.2	31641.58	587995	24.4755 ng/ml
Morphine	1.220	14254	5634.40	26.8	663.59	9734	23.9680 ng/ml
Norbuprenorphine	4.944	1076	900.04	104.9	766.22	20057	2.6118 ng/ml
Nordiazepam	5.846	119540	1415.72	59.1	513.37	163087	25.5548 ng/ml
Norfentanyl	4.035	46735	163.17	35.6	121.98	867824	2.4348 ng/ml
Noroxycodone	2.866	55589	561.23	49.4	1408.18	77119	25.2652 ng/ml
O-desmethyl-tramadol	3.321	507818	1632.11	5.5	1074.68	1208622	24.0622 ng/ml
Olanzapine	4.325	85626	179.82	55.4	1543.92	89462	24.6887 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	172448	395.23	71.4	258.84	361136	25.9213 ng/ml
Oxycodone	2.791	142778	1612.85	29.8	278.97	238454	24.4928 ng/ml
Phentermine	3.724	119046	541.46	7.8	144.31	498395	26.8737 ng/ml
Promethazine	5.503	279969	779.83	30.7	831.42	580761	24.3035 ng/ml
Sertraline	5.735	38726	709.19	102.3	787.73	69026	25.1582 ng/ml
Temazepam	5.776	297794	392.73	26.9	358.08	529995	24.2130 ng/ml
Tramadol	4.197	454638	232.10	3.5	103.78	933043	24.9313 ng/ml
Trazodone	5.000	343037	168.05	59.8	218.88	448956	26.8793 ng/ml
Zolpidem	4.783	441309	194444.01	27.7	975.48	727335	25.1322 ng/ml

AM #28 Multi-Drug Quant. Results

TS

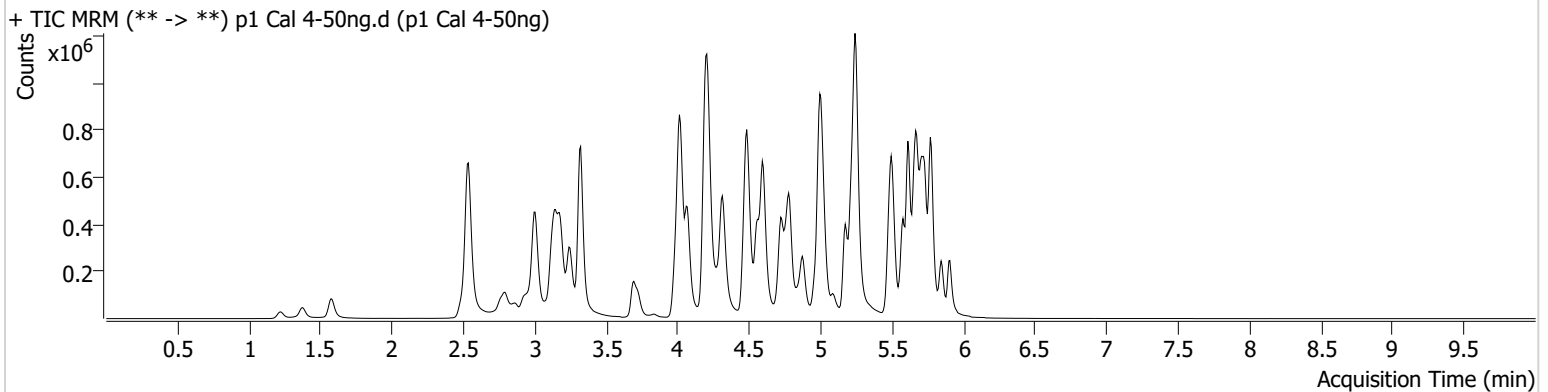


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 4-50ng.d
Type Cal **Sample** p1 Cal 4-50ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-D1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 9:47:36 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	140908	3786.27	74.2	523.26	140088	52.1692 ng/ml
9-hydroxyrisperidone	4.596	22384	116.07	3715.5	1646.46	713325	49.9804 ng/ml
a-hydroxyalprazolam	5.651	62937	191.26	69.4	245.49	52820	52.4095 ng/ml
Alprazolam	5.728	249510	∞	113.9	326.06	222126	46.5985 ng/ml
Amphetamine	3.006	863952	11473.23	46.9	1669.87	235718	55.3597 ng/ml
Bromazolam	5.766	129102	5311.34	110.7	143752.54	112048	52.0059 ng/ml
Buprenorphine	5.635	9108	8727.15	14.3	78.21	67494	4.8768 ng/ml
Citalopram	5.173	382978	18636.48	35.0	563.47	330059	48.0183 ng/ml
Clonazepam	5.570	265060	6954.74	35.2	70995.17	74933	54.4705 ng/ml
Cyclobenzaprine	5.586	281919	37762.01	8.6	726.68	268139	47.8663 ng/ml
Diazepam	5.906	173622	432.64	91.1	6935.65	162638	49.6732 ng/ml
Diphenhydramine	5.251	1123373	271.54	29.7	7470.98	1119526	48.5386 ng/ml
Doxylamine	4.484	966229	1188.65	101.1	1610.08	876042	48.2421 ng/ml
Duloxetine	5.606	29233	3056.84	10.8	3213.51	31110	52.3755 ng/ml
EDDP	5.215	377250	342.74	41.4	237.47	385391	48.5659 ng/ml
Fentanyl	5.035	34169	378.33	75.9	256.54	348401	4.7549 ng/ml
Fluoxetine	5.666	309175	1002.76	7.5	14182.90	222939	48.6105 ng/ml
Hydroxyzine	5.649	364610	8029.68	70.4	681.68	228746	46.3050 ng/ml
Lamotrigine	4.218	32611	1354.20	84.2	45424.71	874119	52.2946 ng/ml
Lorazepam	5.706	184918	2739.69	55.7	281.58	285525	56.0212 ng/ml
Methadone	5.611	622555	1132.15	51.3	1702.77	475624	49.1281 ng/ml
Methamphetamine	3.182	760239	5187.95	37.9	203.18	556444	50.5796 ng/ml
Metoprolol	4.279	102278	1773.59	102.0	1130.70	790237	49.8527 ng/ml
Mitragynine	5.163	130960	812.50	33.6	5835.12	475624	49.7459 ng/ml
Morphine	1.220	24963	255.47	26.4	770.60	7863	51.6690 ng/ml
Norbuprenorphine	4.944	1517	447.01	105.9	3965.94	16302	4.7915 ng/ml
Nordiazepam	5.846	193136	336.08	59.2	497.18	131145	51.2973 ng/ml
Norfentanyl	4.035	80282	2154.45	36.0	114.57	733100	4.8906 ng/ml
Noroxycodone	2.866	91681	369.25	50.1	334.17	63869	50.5083 ng/ml
O-desmethyl-tramadol	3.321	869595	892.98	5.3	1101.42	1018399	48.4507 ng/ml
Olanzapine	4.325	149822	1133.02	54.6	665.43	76137	50.6730 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	279877	246.87	72.4	620.14	285525	53.7001 ng/ml
Oxycodone	2.791	242564	657.76	29.8	607.14	196631	50.2727 ng/ml
Phentermine	3.724	196710	584.33	7.8	100.28	422138	52.9180 ng/ml
Promethazine	5.503	469299	369.67	30.8	270.36	493187	47.4287 ng/ml
Sertraline	5.735	75544	982.74	98.7	48582.92	69227	48.5519 ng/ml
Temazepam	5.776	490770	14762.28	27.1	∞	429398	48.9228 ng/ml
Tramadol	4.197	800088	574.54	3.3	597.59	790237	51.6758 ng/ml
Trazodone	5.006	566078	606.63	61.0	33864.29	369220	54.4760 ng/ml
Zolpidem	4.783	738826	1234.23	27.9	83004.13	616010	49.4653 ng/ml

AM #28 Multi-Drug Quant. Results

TS

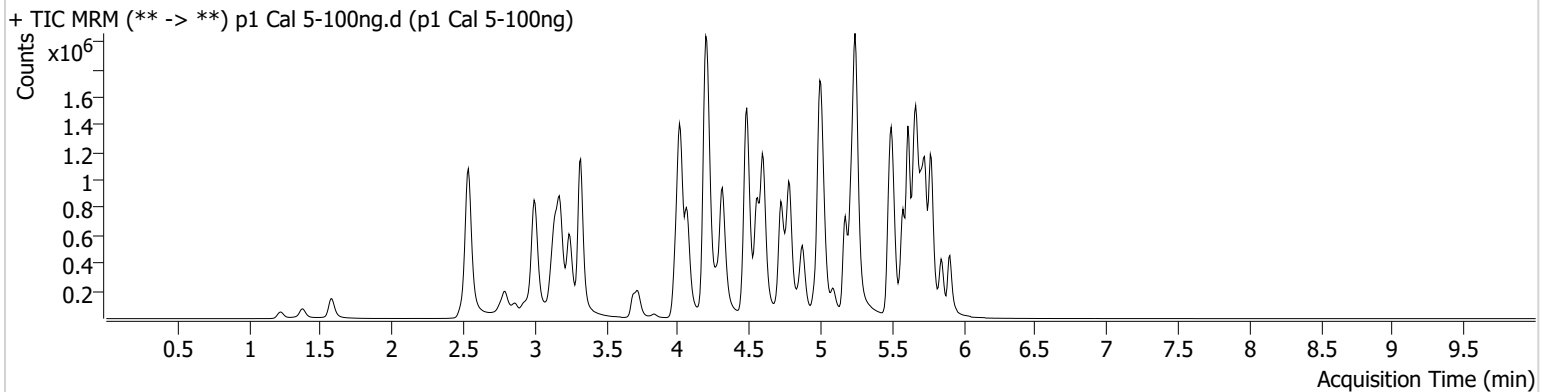


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 5-100ng.d
Type Cal **Sample** p1 Cal 5-100ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-E1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 9:58:12 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	290475	4467.46	72.3	541.97	147431	102.2527 ng/ml
9-hydroxyrisperidone	4.596	50138	433.39	3766.8	3679.36	784828	101.1530 ng/ml
a-hydroxyalprazolam	5.651	114320	778.96	67.9	329.69	50723	98.8984 ng/ml
Alprazolam	5.728	522253	781.83	113.7	3080.54	223874	96.1383 ng/ml
Amphetamine	2.999	1774140	1074.23	45.5	106.72	253317	107.2578 ng/ml
Bromazolam	5.766	253551	305943.84	115.2	334731.37	112528	102.0237 ng/ml
Buprenorphine	5.635	19432	38946.83	15.7	603.01	72983	9.2061 ng/ml
Citalopram	5.173	848107	314.95	34.2	319.55	357458	97.6264 ng/ml
Clonazepam	5.570	510821	83671.88	35.5	1215.49	76708	102.7474 ng/ml
Cyclobenzaprine	5.579	704667	32404.40	8.4	750.45	335867	94.7047 ng/ml
Diazepam	5.906	392459	719.35	91.1	1490.29	178912	101.9318 ng/ml
Diphenhydramine	5.251	2467487	1093482.05	30.3	1188.87	1222923	97.1288 ng/ml
Doxylamine	4.484	2071562	1807892.13	99.1	98928.86	937901	96.0766 ng/ml
Duloxetine	5.606	74183	1832.92	13.7	811.00	41908	98.7391 ng/ml
EDDP	5.215	762686	41908.23	41.7	570.47	370633	101.6698 ng/ml
Fentanyl	5.035	81428	20656.27	75.8	121.43	413073	9.4897 ng/ml
Fluoxetine	5.666	809127	55717.29	7.6	115253.11	295716	95.5770 ng/ml
Hydroxyzine	5.649	856244	975.02	75.9	14288.74	251806	98.1407 ng/ml
Lamotrigine	4.219	69753	2451.22	85.1	179.71	891678	110.0436 ng/ml
Lorazepam	5.706	284382	10367.02	54.1	448.26	255684	96.9317 ng/ml
Methadone	5.611	1418452	24449.44	50.9	1050.40	546694	96.8329 ng/ml
Methamphetamine	3.182	1604120	1289.46	38.3	773.40	594934	100.1631 ng/ml
Metoprolol	4.272	222913	3384.28	101.6	819.21	515320	105.2662 ng/ml
Mitragynine	5.164	301189	1011.77	33.4	490.01	546694	98.9628 ng/ml
Morphine	1.220	47400	972.57	25.2	257.95	7321	105.1015 ng/ml
Norbuprenorphine	4.944	3619	4299.29	90.8	2421.04	19138	10.0966 ng/ml
Nordiazepam	5.846	417433	594.48	58.7	627.05	139687	104.0442 ng/ml
Norfentanyl	4.035	155685	59.87	37.5	334.59	713366	9.6881 ng/ml
Noroxycodone	2.859	181732	4483.72	50.5	1905.62	62702	102.1838 ng/ml
O-desmethyl-tramadol	3.321	1864431	2697.32	5.5	3798.90	1078692	97.6264 ng/ml
Olanzapine	4.325	297081	1100.07	55.0	787.66	75179	101.6768 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	470367	1877.94	72.1	110.29	255684	101.1912 ng/ml
Oxycodone	2.791	487184	2235.08	28.7	2031.35	197120	100.5428 ng/ml
Phentermine	3.724	413730	711.82	7.3	323.37	453925	103.9991 ng/ml
Promethazine	5.496	1195949	725.68	31.7	737.51	612556	96.7253 ng/ml
Sertraline	5.735	207815	699.19	100.2	427.60	93447	98.5240 ng/ml
Temazepam	5.776	887591	1580.21	26.9	2802.61	392400	96.5111 ng/ml
Tramadol	4.197	1630994	508.79	3.6	379.27	815320	101.9855 ng/ml
Trazodone	5.006	1269051	508.10	63.8	81290.47	440124	102.9246 ng/ml
Zolpidem	4.783	1628591	7149.11	27.9	2830.45	676302	99.0947 ng/ml

AM #28 Multi-Drug Quant. Results

TS

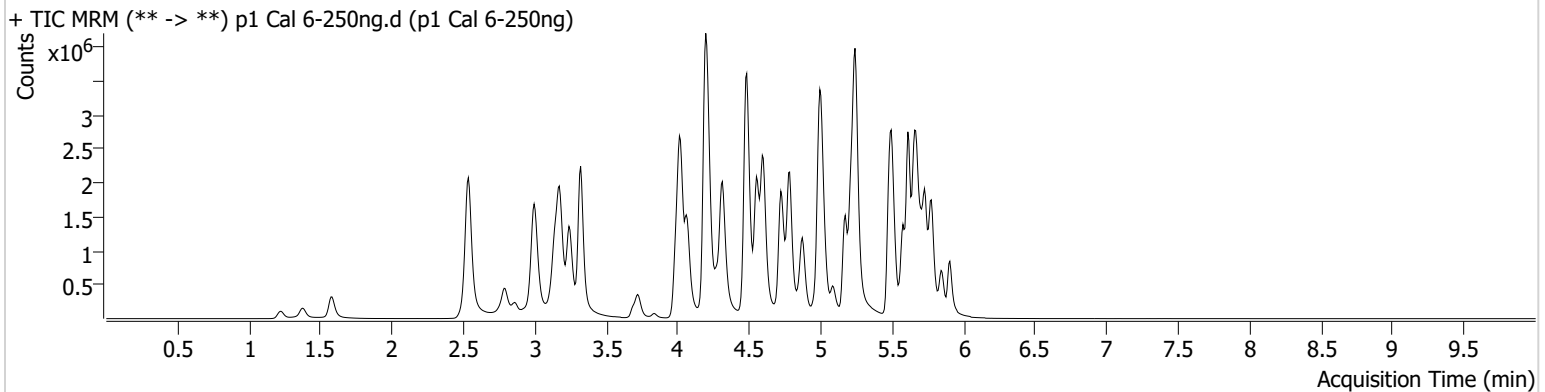


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Calibration Last Update 5/9/2024 10:59:31 AM

Instrument Falco (069901) **Data File** p1 Cal 6-250ng.d
Type Cal **Sample** p1 Cal 6-250ng
Acq. Method AM 28 MDQ P1.m **Operator** Tamara Salazar
Sample Position P2-F1 **Comment**
Injection Volume 2
Acq. Date-Time 5/2/2024 10:08:49 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	551247	3444.74	73.7	219.69	117752	243.0529 ng/ml
9-hydroxyrisperidone	4.596	119005	2017.65	3841.3	6344.90	751032	250.0406 ng/ml
a-hydroxyalprazolam	5.651	197033	801.98	65.9	242.71	34508	250.1466 ng/ml
Alprazolam	5.728	1148832	954.42	107.1	4013.15	180436	261.3704 ng/ml
Amphetamine	2.999	3601966	42507.37	45.4	104.39	235158	236.4979 ng/ml
Bromazolam	5.766	483893	706648.82	113.5	6028.45	88299	248.6166 ng/ml
Buprenorphine	5.635	47544	720.03	14.9	7347.09	68425	23.3360 ng/ml
Citalopram	5.173	1998554	944.64	33.4	∞	314963	260.1974 ng/ml
Clonazepam	5.570	875671	40892.52	36.6	8393.35	57193	236.5333 ng/ml
Cyclobenzaprine	5.579	1599956	130162.18	8.2	188634.64	283689	253.2002 ng/ml
Diazepam	5.906	850248	1415.84	91.0	9917.00	156304	252.5799 ng/ml
Diphenhydramine	5.244	5859396	509.98	30.1	120162.06	1120530	250.9793 ng/ml
Doxylamine	4.484	5380465	4553.42	95.8	2971.64	920549	253.3709 ng/ml
Duloxetine	5.606	131327	3584.39	12.9	4248.77	29250	250.5724 ng/ml
EDDP	5.215	1975238	19247.70	40.9	511.51	380375	255.9778 ng/ml
Fentanyl	5.035	190319	139.67	75.4	462.86	375936	24.2658 ng/ml
Fluoxetine	5.666	1469347	83339.87	7.6	2057.05	204948	249.8823 ng/ml
Hydroxyzine	5.649	1924005	72231.40	79.1	23826.15	223832	247.2201 ng/ml
Lamotrigine	4.218	145235	12361.45	82.9	78904.37	814620	251.2552 ng/ml
Lorazepam	5.699	386351	818.42	54.7	921.09	148933	227.4197 ng/ml
Methadone	5.611	3375090	5327.89	51.0	5965.24	501382	250.3341 ng/ml
Methamphetamine	3.175	3874273	1256.88	37.5	23751.12	580583	248.4147 ng/ml
Metoprolol	4.272	502384	663.56	104.7	3205.97	771457	250.6750 ng/ml
Mitragynine	5.163	737168	1157770.12	34.2	2552.57	501382	263.1485 ng/ml
Morphine	1.220	116176	5115.67	26.0	472.02	7301	257.9574 ng/ml
Norbuprenorphine	4.944	7871	161.57	101.7	10867.78	17275	24.8269 ng/ml
Nordiazepam	5.853	793290	11509.25	58.1	3461.48	109896	251.2612 ng/ml
Norfentanyl	4.035	334745	568.40	37.4	1639.18	594918	24.8856 ng/ml
Noroxycodone	2.859	429628	802.22	49.9	256.18	60162	252.0588 ng/ml
O-desmethyl-tramadol	3.321	4588210	1498.69	5.6	625.37	1030308	250.8452 ng/ml
Olanzapine	4.318	814019	791.99	54.3	1125.88	80688	259.4499 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	673540	507.94	73.7	9747.90	148933	249.4397 ng/ml
Oxycodone	2.791	1229408	1089.04	29.9	1133.40	196481	254.2733 ng/ml
Phentermine	3.724	906083	1867.13	6.9	133.93	428012	242.2335 ng/ml
Promethazine	5.496	2755684	1178.64	31.9	1558.53	546454	248.9488 ng/ml
Sertraline	5.735	324190	706.09	98.7	15505.98	57124	250.7986 ng/ml
Temazepam	5.776	1492894	899.81	26.1	329.94	253895	250.3727 ng/ml
Tramadol	4.191	3882294	∞	3.6	201.80	771457	256.3812 ng/ml
Trazodone	5.006	2732771	75235.74	66.1	943.87	407494	240.0975 ng/ml
Zolpidem	4.783	4030789	3893461.94	27.3	8388.76	654611	253.0465 ng/ml

AM #28 Multi-Drug Quant. Results

TS

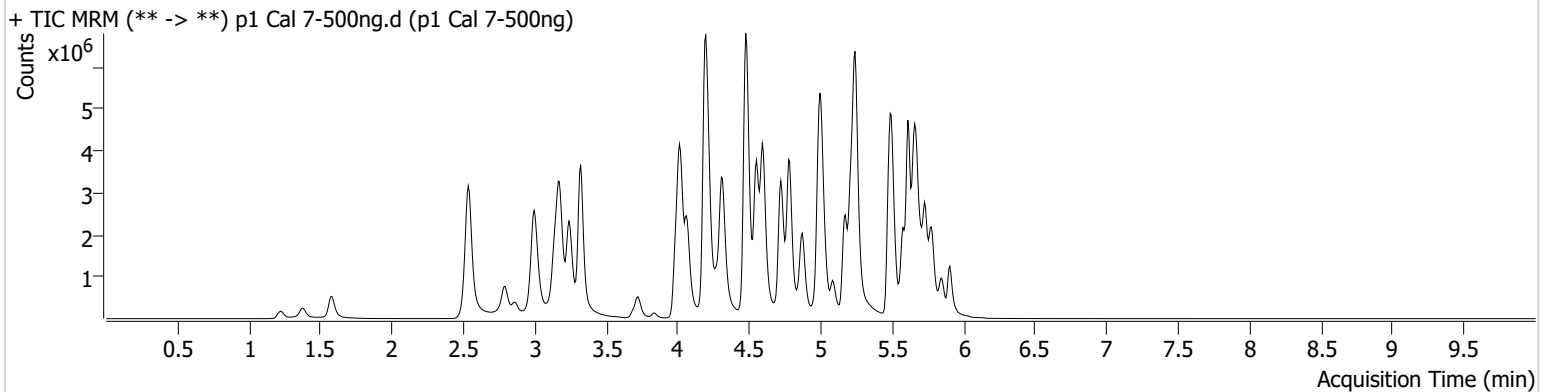


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	5/2/2024 10:19:27 PM		
Sample Info.			

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	730627	3482.16	71.9	3652.53	84501	448.9652 ng/ml
9-hydroxyrisperidone	4.596	211069	207776.43	4033.9	21668.99	663050	501.7385 ng/ml
a-hydroxyalprazolam	5.651	253204	357.31	64.2	4103.61	22694	488.5456 ng/ml
Alprazolam	5.728	1772427	6420.02	105.1	2256.15	136057	534.1581 ng/ml
Amphetamine	2.999	5617034	33051.08	46.2	68957.82	217386	400.0647 ng/ml
Bromazolam	5.766	674718	12181.07	117.5	713427.04	61416	498.7409 ng/ml
Buprenorphine	5.635	85286	85528.05	15.8	730.44	54706	51.8269 ng/ml
Citalopram	5.173	3436881	4057.76	34.3	3910483.33	271041	519.4316 ng/ml
Clonazepam	5.563	1141595	9103.17	36.4	10787.64	40095	440.0582 ng/ml
Cyclobenzaprine	5.579	3009899	1000.26	7.8	282.80	256331	526.2860 ng/ml
Diazepam	5.906	1374917	584.65	89.2	18583.82	128495	496.7107 ng/ml
Diphenhydramine	5.244	10336792	372277.81	30.0	34328.78	959075	516.8035 ng/ml
Doxylamine	4.477	10286654	189836.12	94.9	278662.86	843494	528.0837 ng/ml
Duloxetine	5.606	243108	6808.98	12.9	651.94	27098	500.7790 ng/ml
EDDP	5.215	3377016	1464.50	41.7	662.98	335991	495.0894 ng/ml
Fentanyl	5.035	365398	1542.28	74.1	450.55	333516	52.4359 ng/ml
Fluoxetine	5.666	2784327	1652.04	7.5	182487.58	188641	514.0870 ng/ml
Hydroxyzine	5.649	3536549	451970.34	79.9	47187.19	192949	526.5123 ng/ml
Lamotrigine	4.218	212239	181.63	83.6	229877.23	674900	443.4571 ng/ml
Lorazepam	5.699	437185	629.46	56.1	452.32	88148	435.7197 ng/ml
Methadone	5.611	6353134	222558.07	49.0	40904.54	447125	527.7772 ng/ml
Methamphetamine	3.175	6899369	67693.96	37.1	269.51	545576	471.0826 ng/ml
Metoprolol	4.272	824529	50966.10	104.6	188948.25	686905	462.0246 ng/ml
Mitragynine	5.164	1264875	1306040.48	34.9	690493.98	447125	505.7874 ng/ml
Morphine	1.220	201836	2929.39	25.3	185.19	6407	510.4110 ng/ml
Norbuprenorphine	4.944	13545	12517.95	105.3	15995.65	15090	49.2511 ng/ml
Nordiazepam	5.853	1133384	∞	58.0	537.20	78838	500.3522 ng/ml
Norfentanyl	4.035	518920	53318.90	37.9	10728.95	426587	53.7321 ng/ml
Noroxycodone	2.859	729092	1944.71	49.8	842.03	52543	489.9621 ng/ml
O-desmethyl-tramadol	3.321	8389194	300016.45	5.5	1130.27	912148	517.6008 ng/ml
Olanzapine	4.318	1460783	4772.23	55.6	2613.38	74709	502.7807 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	779338	12462.65	71.1	∞	88148	488.0948 ng/ml
Oxycodone	2.784	2237234	3060.40	30.0	1555.39	180941	502.2853 ng/ml
Phentermine	3.724	1459693	∞	6.9	231.75	387640	431.2811 ng/ml
Promethazine	5.496	5425158	1211.85	31.6	23225.34	516856	517.5713 ng/ml
Sertraline	5.735	677850	14544.01	95.9	2433.75	60534	494.4610 ng/ml
Temazepam	5.783	1868910	56238.86	25.7	180.08	159216	499.5017 ng/ml
Tramadol	4.191	6780833	∞	3.7	∞	686905	502.8024 ng/ml
Trazodone	5.006	4556720	97262.82	68.9	209.86	375856	434.4803 ng/ml
Zolpidem	4.783	7429841	116623.69	27.0	6461.36	603592	505.6395 ng/ml

AM #28 Multi-Drug Quant. Results

TS

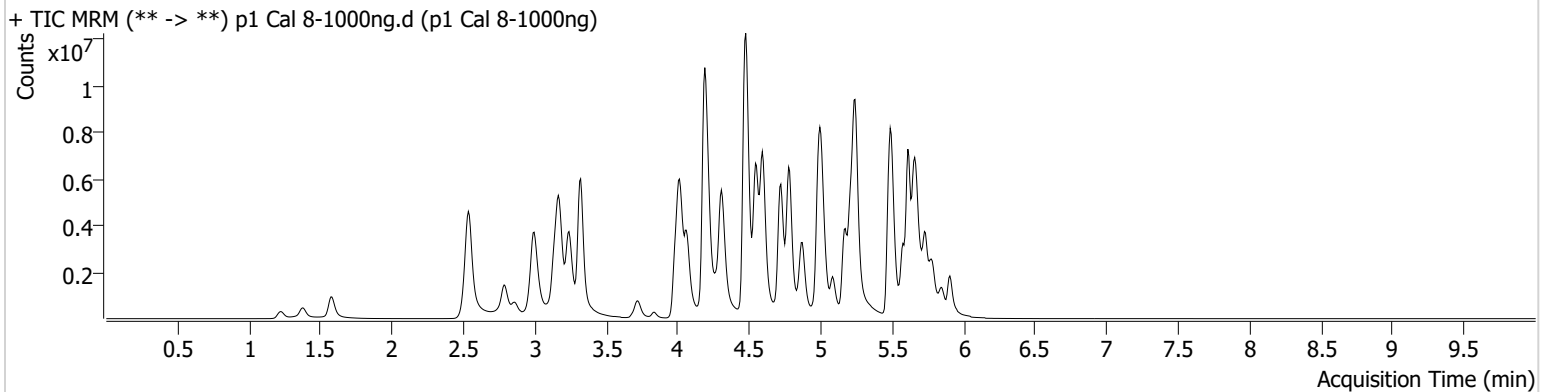


Batch results D:\MassHunter\Data\2024\AM 27 28\050224 AM 27 28 TS\QuantResults\AM 28_evaluated.batch.bin
Calibration Last Update 5/9/2024 10:59:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	5/2/2024 10:30:04 PM		
Sample Info.			

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	748232	5380.54	74.3	1131.40	52269	743.3565 ng/ml
9-hydroxyrisperidone	4.590	385339	1642.73	4155.5	32553.42	603512	1005.7845 ng/ml
a-hydroxyalprazolam	5.651	259604	136.21	68.0	213.04	12020	945.4924 ng/ml
Alprazolam	5.734	2614035	541.90	105.8	596.47	103766	1032.3963 ng/ml
Amphetamine	2.999	8208407	97834.30	46.1	247.68	192244	662.1478 ng/ml
Bromazolam	5.766	920995	723271.20	119.2	648496.34	44833	932.8957 ng/ml
Buprenorphine	5.635	125952	134784.03	15.0	18803.53	37914	109.9544 ng/ml
Citalopram	5.173	5306936	877.90	34.5	4337.20	212086	1024.4966 ng/ml
Clonazepam	5.563	1371608	12123.44	36.3	8110.91	29411	720.9396 ng/ml
Cyclobenzaprine	5.579	4988608	78714.97	7.5	8393.47	207805	1075.1025 ng/ml
Diazepam	5.906	2253319	1134.06	89.0	395.30	108875	960.6192 ng/ml
Diphenhydramine	5.244	17016632	88699.91	29.9	21389.78	784637	1039.4406 ng/ml
Doxylamine	4.477	19694804	385777.05	95.0	162563.16	798171	1067.9389 ng/ml
Duloxetine	5.606	315312	16462.72	13.7	1278.14	17564	1002.1520 ng/ml
EDDP	5.209	5603986	1642.03	40.9	634.37	271411	1016.6557 ng/ml
Fentanyl	5.035	719287	963.86	72.8	819284.57	297814	115.5138 ng/ml
Fluoxetine	5.666	4056167	32164.42	7.2	559110.96	129100	1093.9300 ng/ml
Hydroxyzine	5.649	5849181	3908.54	80.7	2187.82	153707	1092.5208 ng/ml
Lamotrigine	4.225	267633	880.45	88.0	35247.78	536735	703.3545 ng/ml
Lorazepam	5.699	500225	9193.66	55.4	2687.58	44915	979.6710 ng/ml
Methadone	5.611	10615775	1796.07	49.8	1429.01	378415	1041.4695 ng/ml
Methamphetamine	3.175	11697328	974.52	36.5	304723.42	525495	829.4716 ng/ml
Metoprolol	4.272	1280338	147133.36	103.6	3898.27	633003	778.5007 ng/ml
Mitragynine	5.157	2054170	31347.63	35.0	738.47	378415	970.0214 ng/ml
Morphine	1.220	354211	7315.03	25.6	125.07	6156	932.0425 ng/ml
Norbuprenorphine	4.944	25184	290.04	104.8	100989.55	13742	100.9221 ng/ml
Nordiazepam	5.853	1341108	1711.83	64.2	28708.94	50938	916.2972 ng/ml
Norfentanyl	4.035	692085	160727.83	38.8	257.29	243127	125.6592 ng/ml
Noroxycodone	2.859	1313647	∞	49.7	1254.63	47291	981.0328 ng/ml
O-desmethyl-tramadol	3.321	15339759	77007.87	5.6	505.24	819034	1053.5866 ng/ml
Olanzapine	4.318	2491171	8929.13	56.9	3671.84	67766	945.1928 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxazepam	5.708	744032	903.65	71.2	4821.04	44915	914.9121 ng/ml
Oxycodone	2.784	4388594	3844.42	29.8	∞	180900	985.3408 ng/ml
Phentermine	3.724	2485569	∞	6.5	167.06	366353	777.4719 ng/ml
Promethazine	5.496	9943463	2413.74	30.7	703.18	449976	1089.0032 ng/ml
Sertraline	5.735	975043	1255.12	92.9	780.91	41155	1045.7151 ng/ml
Temazepam	5.783	2167343	46506.74	26.7	∞	84679	1088.7718 ng/ml
Tramadol	4.191	11480722	∞	3.5	240.40	633003	923.6919 ng/ml
Trazodone	5.006	7246187	189222.34	70.9	215.70	366596	708.7105 ng/ml
Zolpidem	4.776	13780015	583587.54	26.2	268289.63	574158	985.6700 ng/ml