

REVIEWED

By Sarah Collins at 11:38 am, Jul 26, 2024



7/22/2024

Worklist: 6878

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-2398	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2504	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2589	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2638	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1952	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2020	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2032	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2033	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2034	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2046	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2047	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2064	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2069	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2073	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2082	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2083	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2084	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2091	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2096	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2097	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 6878

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-2143	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 07/19/2024

Plate lot#: 240528

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

Blank Blood Lot: Lampire 24C52816

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 11/28/2024

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

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

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. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.
Pipette ID: 16
- ☒ 3. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 5. Transfer **300L of blood+base** mixture to corresponding wells of SLE+ plate.
- ☒ 6. 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
- ☒ 7. Wait 5 minutes.
- ☒ 8. Add **900uL ethyl acetate**.
- ☒ 9. Wait 5 minutes.
- ☒ 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- ☒ 11. Add **900uL ethyl acetate**.
- ☒ 12. Wait 5 minutes.
- ☒ 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- ☒ 14. Remove plate containing eluate.
- ☒ 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- ☒ 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- ☒ 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:

Compounds included in the central file:

7-aminoclonazepam 5-100 --calibrators 6, 7 and 8 dropped due to accuracy- QUALITATIVE ONLY

9-hydroxyrisperidone

Alprazolam

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

Benzoylcegonine



Bromazolam
Buprenorphine
Bupropion
Citalopram
Clonazepam 5-500 --calibrator 8 dropped due to accuracy
Cocaine
Cyclobenzaprine
Diazepam
Diphenhydramine
EDDP
Fentanyl
Fluoxetine
Hydrocodone
Lamotrigine 50-500 --calibrators 5, 6, 7 and 8 dropped due to accuracy/linearity Lorazepam
Methadone
Methamphetamine 5-500 --calibrator 8 dropped due to accuracy
Metoprolol 5-500 --calibrator 8 dropped due to accuracy
Mitragynine
Norbuprenorphine
Nordiazepam
Norfentanyl
Norhydrocodone
Noroxycodone
o-desmethylvenlafaxine
Oxycodone
Promethazine
Ephedrine/Pseudoephedrine
Trazodone 5-500 --calibrator 8 dropped due to accuracy
Venlafaxine

29

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2024-2589-1	P2024-2046-1	P2024-2091-1							
B	IS + Cal. 2	IS + QC_2	M2024-2638-6	P2024-2047-1	P2024-2096-1							
C	IS + Cal. 3	IS + QC_3	P2024-1952-1	P2024-2064-1	P2024-2097-1							
D	IS + Cal. 4	IS + QC_4	P2024-2019-1	P2024-2069-1	P2024-2143-1							
E	IS + Cal. 5	IS + QC_2	P2024-2020-1	P2024-2073-1								
F	IS + Cal. 6	Blood NEG	P2024-2032-1	P2024-2082-2								
G	IS + Cal. 7	M2024-2398-1	P2024-2033-1	P2024-2083-2								
H	IS + Cal. 8	M2024-2504-1	P2024-2034-1	P2024-2084-2								

AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 7/22/2024 12:36:31 PM

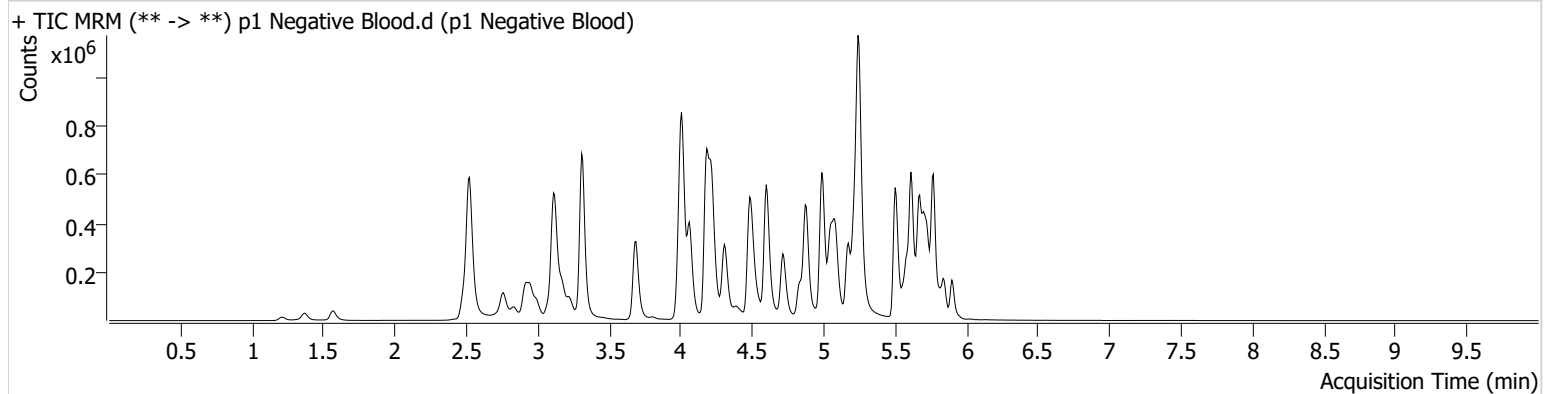
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Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F2
Injection Volume 2
Acq. Date-Time 7/20/2024 3:20:06 AM
Sample Info.

Data File
Sample
Operator
Comment

p1 Negative Blood.d
p1 Negative Blood
Celena Shrum

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





AM #28 Multi-Drug Quant. Results

Batch results
Calibration Last Update

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
7/22/2024 12:36:31 PM

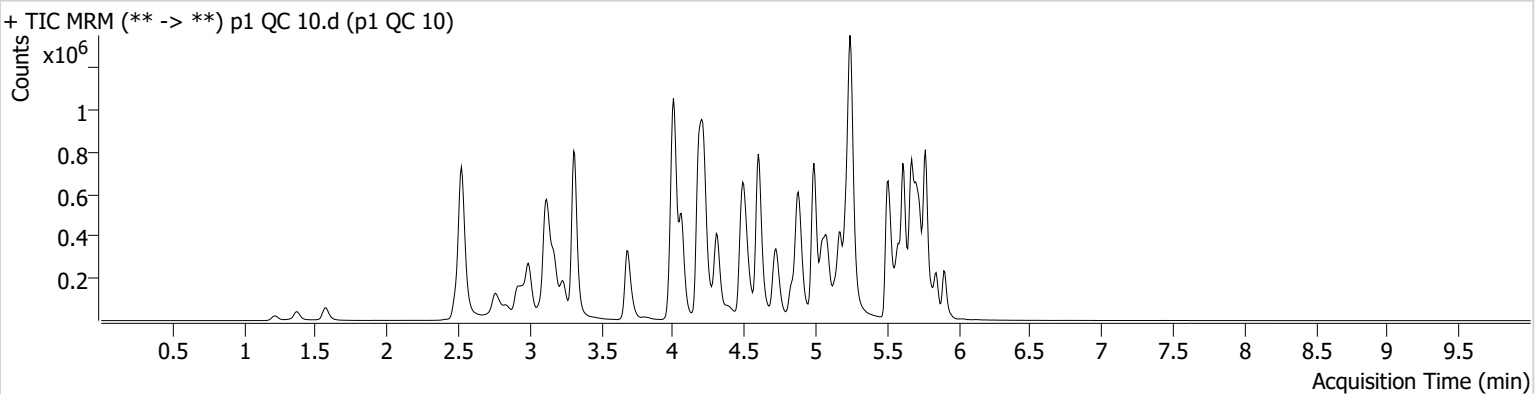
Instrument
Type
Acq. Method
Sample Position
Injection Volume
Acq. Date-Time
Sample Info.

Falco (069901)
QC
AM 28 MDQ P1.m
P2-A2
2
7/20/2024 2:16:11 AM

Data File
Sample
Operator
Comment

p1 QC 10.d
p1 QC 10
Celena Shrum
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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	46387	400.63	81.0	383.15	183032	11.1845 ng/ml
9-hydroxyrisperidone	4.603	11132	1019.94	2967.4	1713.16	1456980	9.8015 ng/ml
Alprazolam	5.734	113154	1722.23	112.8	1228.43	474847	9.3949 ng/ml
Amphetamine	2.992	367565	419.71	50.6	4214.39	467017	10.0024 ng/ml
Benzoylcegonine	3.835	5457	192.06	32.8	108.50	16784	10.6413 ng/ml
Bromazolam	5.766	86833	4856.54	118.3	2658.62	234434	9.3775 ng/ml
Buprenorphine	5.840	4601	6964.37	15.5	64.24	160345	1.0422 ng/ml
Bupropion	4.738	205852	435.38	60.9	551.30	717727	9.3962 ng/ml
Citalopram	5.173	153710	377.31	39.8	281.79	739422	9.3598 ng/ml
Clonazepam	5.570	134016	4118.54	36.6	287.04	183840	9.8526 ng/ml
Cocaine	4.216	151435	1036.05	51.8	240.49	1293705	9.2944 ng/ml
Cyclobenzaprine	5.586	113933	305.93	8.8	129.88	416455	9.1405 ng/ml
Diazepam	5.906	76910	876.38	92.4	1378.51	326157	9.4263 ng/ml
Diphenhydramine	5.251	439390	554.40	30.7	221.86	2528571	9.1935 ng/ml
EDDP	5.215	142117	967.25	41.8	577.24	651213	9.9823 ng/ml
Fentanyl	5.062	12708	31.44	81.4	5299.91	793086	0.8704 ng/ml
Fluoxetine	5.666	101437	443.58	7.3	705.76	360646	10.3238 ng/ml
Hydrocodone	2.982	73474	141.84	35.0	64.62	344815	9.7077 ng/ml
Lamotrigine	4.225	125144	2932.00	82.3	883.79	1857791	103.0978 ng/ml
Lorazepam	5.706	94526	863.95	52.9	136.59	603660	9.8026 ng/ml
Methadone	5.618	267060	1640.88	47.9	1302.84	1067398	9.1647 ng/ml
Methamphetamine	3.175	511979	7336.99	38.7	595.02	1080177	9.4670 ng/ml
Metoprolol	4.272	38274	258.36	112.8	497.24	1650196	9.3241 ng/ml
Mitragynine	5.191	49244	783.88	31.6	136.91	1067398	9.8634 ng/ml
Norbuprenorphine	4.944	1090	3806.26	97.2	774.49	38503	0.8708 ng/ml
Nordiazepam	5.853	85074	917.62	56.2	467.13	255222	9.8317 ng/ml
Norfentanyl	4.028	32626	841.05	39.7	146.64	1297712	0.9599 ng/ml
Norhydrocodone	3.016	14126	79.59	41.6	258.21	117491	8.8812 ng/ml
Noroxycodone	2.852	45209	508.05	47.3	521.40	152133	9.8486 ng/ml
o-desmethylvenlafaxine	4.013	283412	3393.44	28.8	799.56	370854	9.2808 ng/ml
Oxycodone	2.784	107101	1077.01	28.1	399.24	437695	9.1411 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.509	180895	601.43	29.0	567.97	925172	9.4405 ng/ml
Pseudoephedrine	2.532	353440	3771.87	16.6	4034.52	1857791	9.2591 ng/ml
Trazodone	5.136	236973	176.99	59.7	103.10	829038	9.5031 ng/ml
Venlafaxine	4.989	305925	481.44	34.7	398.71	1593148	9.2925 ng/ml



AM #28 Multi-Drug Quant. Results

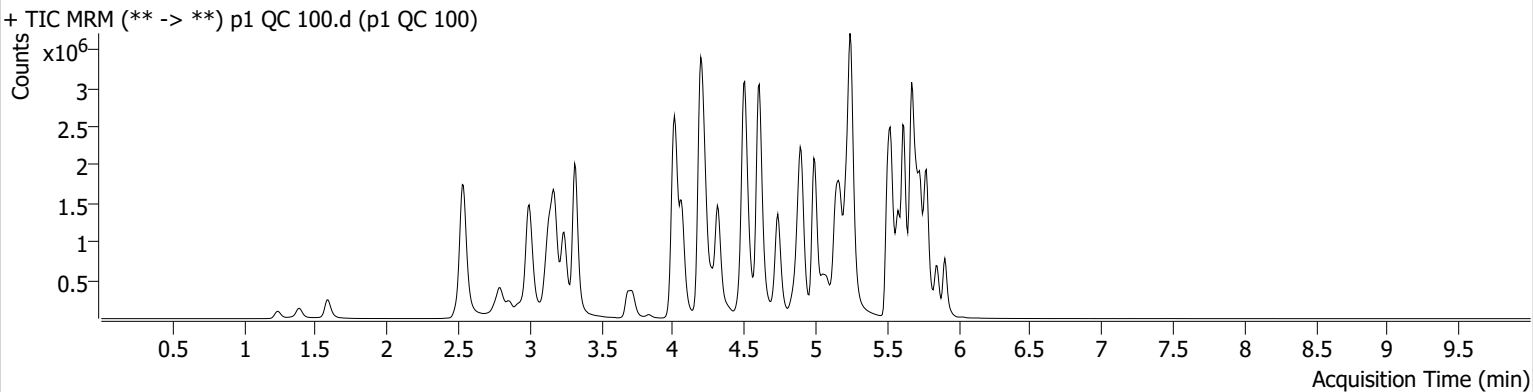
Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 7/20/2024 11:30:15 AM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	251894	2487.32	78.1	1447.78	125338	101.0788 ng/ml
9-hydroxyrisperidone	4.603	109036	2137.63	3185.6	8448.30	1388332	98.2879 ng/ml
Alprazolam	5.734	1032855	2784.78	107.0	1538.63	391337	102.9306 ng/ml
Amphetamine	2.999	2936363	22211.53	48.5	275.39	434284	100.2860 ng/ml
Benzoylcegonine	3.835	48503	519.64	34.6	1074.20	15931	99.0380 ng/ml
Bromazolam	5.766	651717	12848.16	116.0	985107.29	171400	102.4195 ng/ml
Buprenorphine	5.840	44182	2755.31	14.1	7176.84	163451	10.2256 ng/ml
Bupropion	4.738	2009820	107464.49	62.5	73148.68	683911	96.5242 ng/ml
Citalopram	5.173	1575119	∞	38.9	581.98	708570	95.5207 ng/ml
Clonazepam	5.570	997826	10954.73	35.7	474777.02	139258	102.4764 ng/ml
Cocaine	4.216	1366216	5804529.20	51.5	41941.48	1101934	95.3013 ng/ml
Cyclobenzaprine	5.586	1287023	1062.63	8.7	1395.13	438502	94.8014 ng/ml
Diazepam	5.906	688013	3140.16	92.2	2913.77	283616	99.3635 ng/ml
Diphenhydramine	5.251	4538145	99654.29	30.5	683.76	2358719	96.0146 ng/ml
EDDP	5.215	1173969	1518.08	41.9	1872.46	514688	100.3951 ng/ml
Fentanyl	5.062	147922	347.59	82.8	263.51	856320	9.2329 ng/ml
Fluoxetine	5.666	1038245	958.83	8.1	209591.32	361753	106.0212 ng/ml
Hydrocodone	2.982	667929	∞	37.4	∞	314860	101.4313 ng/ml
Lamotrigine	4.225	728496	1078.74	86.9	4266.80	1634899	772.7995 ng/ml
Lorazepam	5.706	531701	2573.34	50.9	408.61	386824	96.6470 ng/ml
Methadone	5.618	2749373	2633.88	47.8	1277.10	1040315	92.8610 ng/ml
Methamphetamine	3.175	3150784	2297.79	37.4	29324.16	1061825	103.0606 ng/ml
Metoprolol	4.279	376208	39305.04	103.8	2832.56	1618250	102.4753 ng/ml
Mitragynine	5.198	491033	386343.15	34.2	265.79	1040315	99.5947 ng/ml
Norbuprenorphine	4.944	8303	10676.03	97.6	2466.66	35557	10.3121 ng/ml
Nordiazepam	5.853	702311	2067.19	58.7	3350.39	209938	101.5959 ng/ml
Norfentanyl	4.035	270736	18538.30	37.2	1394.49	1006510	9.5073 ng/ml
Norhydrocodone	3.016	152734	130.07	40.4	3896.03	100797	95.7945 ng/ml
Noroxycodone	2.859	393820	6606.17	47.6	3498.03	129696	102.2912 ng/ml
o-desmethylvenlafaxine	4.013	2405079	118136.09	30.8	2541.41	310581	91.8940 ng/ml
Oxycodone	2.791	1054908	1651.56	28.0	504.59	419457	102.4649 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	2012184	1939.91	29.9	2012.59	947010	97.6796 ng/ml
Pseudoephedrine	2.538	3207203	78321.09	16.3	35683.03	1634899	92.6569 ng/ml
Trazodone	5.143	2421718	94927.53	64.1	476.09	877259	100.8305 ng/ml
Venlafaxine	4.989	3141544	3462.02	33.7	489.59	1511873	96.2864 ng/ml



AM #28 Multi-Drug Quant. Results

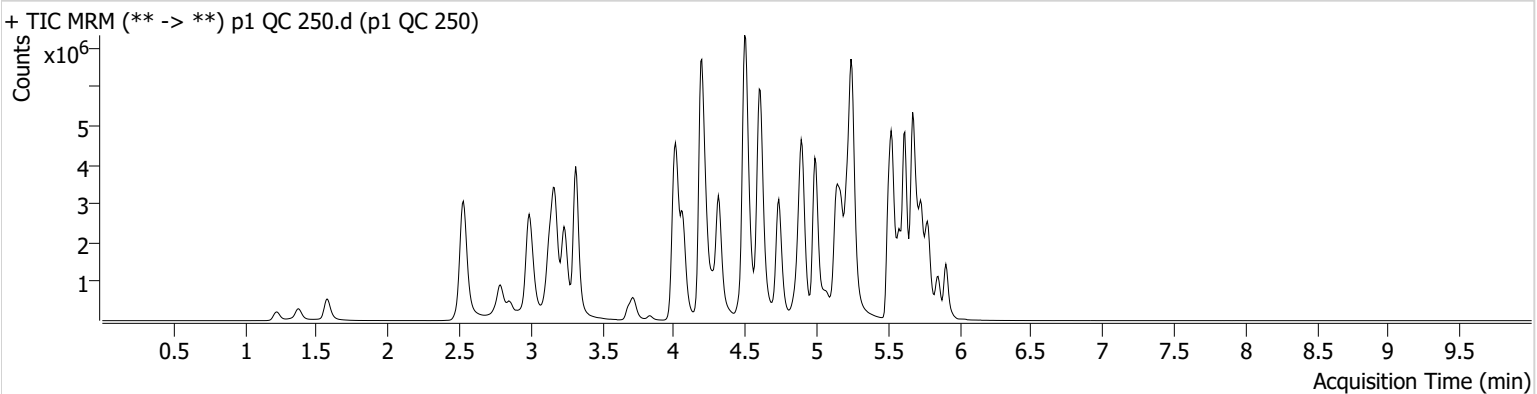
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 7/20/2024 2:37:29 AM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	238200	189.45	88.1	323.13	68108	177.2260 ng/ml
9-hydroxyrisperidone	4.603	238962	5180.42	3309.1	19073.84	1217154	245.3042 ng/ml
Alprazolam	5.734	2156430	2072.13	105.9	3917.81	329209	255.2924 ng/ml
Amphetamine	2.992	5567956	27192.85	47.5	89814.40	415616	200.5608 ng/ml
Benzoylcegonine	3.835	131385	835.66	35.4	3573.20	17434	245.0516 ng/ml
Bromazolam	5.766	1117406	5559.98	119.1	3770.94	122347	246.9401 ng/ml
Buprenorphine	5.840	111732	46845.32	13.8	9063.56	164212	25.8132 ng/ml
Bupropion	4.738	5111328	67023.91	61.2	1422.35	678684	247.4108 ng/ml
Citalopram	5.173	3571381	∞	37.9	5074.38	621937	246.0031 ng/ml
Clonazepam	5.570	1720793	33915.52	36.8	43456.88	104330	236.7187 ng/ml
Cocaine	4.216	2949502	1166.25	50.3	1243.14	936357	241.6217 ng/ml
Cyclobenzaprine	5.586	2531164	32559.68	8.2	4449.36	337818	241.4913 ng/ml
Diazepam	5.906	1501791	1185.56	92.5	571.58	248426	247.9970 ng/ml
Diphenhydramine	5.251	10244358	5759.58	30.1	2375.11	2077294	245.2094 ng/ml
EDDP	5.215	2899019	9587.32	41.8	486.47	498021	255.5681 ng/ml
Fentanyl	5.062	315183	15419.74	84.5	8671.64	722540	23.2919 ng/ml
Fluoxetine	5.673	1483370	20021.83	8.0	46075.55	213233	257.0854 ng/ml
Hydrocodone	2.975	1586414	∞	38.5	∞	309248	246.0410 ng/ml
Lamotrigine	4.232	1057444	22982.27	87.9	1183.74	1397338	1323.7553 ng/ml
Lorazepam	5.706	701524	4078.86	50.9	1286.70	219831	226.1832 ng/ml
Methadone	5.618	6339787	2737.34	47.8	8449.79	925706	239.9827 ng/ml
Methamphetamine	3.168	7074669	49005.48	36.7	1046.17	1045719	245.6283 ng/ml
Metoprolol	4.272	786279	20700.14	104.0	5500.75	1442595	241.5965 ng/ml
Mitragynine	5.191	1048568	2436.36	35.0	1116912.76	925706	238.8096 ng/ml
Norbuprenorphine	4.944	18622	∞	98.6	27330.33	33764	24.9442 ng/ml
Nordiazepam	5.853	1346511	603.57	57.7	1704.36	164146	249.5939 ng/ml
Norfentanyl	4.035	518860	29374.50	38.1	∞	741899	24.5933 ng/ml
Norhydrocodone	3.016	377679	682.32	39.4	202.93	91444	258.7052 ng/ml
Noroxycodone	2.852	915821	2126.15	47.6	780.06	121979	253.1907 ng/ml
o-desmethylvenlafaxine	4.013	5380863	222641.50	28.2	7660.52	253377	251.5999 ng/ml
Oxycodone	2.784	2677753	1225.10	27.7	5477.08	429542	255.3448 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	4229627	1753.16	29.6	1847.51	777210	249.4042 ng/ml
Pseudoephedrine	2.532	7226867	188.59	16.1	132555.88	1397338	243.7866 ng/ml
Trazodone	5.136	5209284	201260.70	65.5	73066.82	801074	238.9383 ng/ml
Venlafaxine	4.989	7724838	4215.66	32.2	864.45	1434036	248.9207 ng/ml



AM #28 Multi-Drug Quant. Results

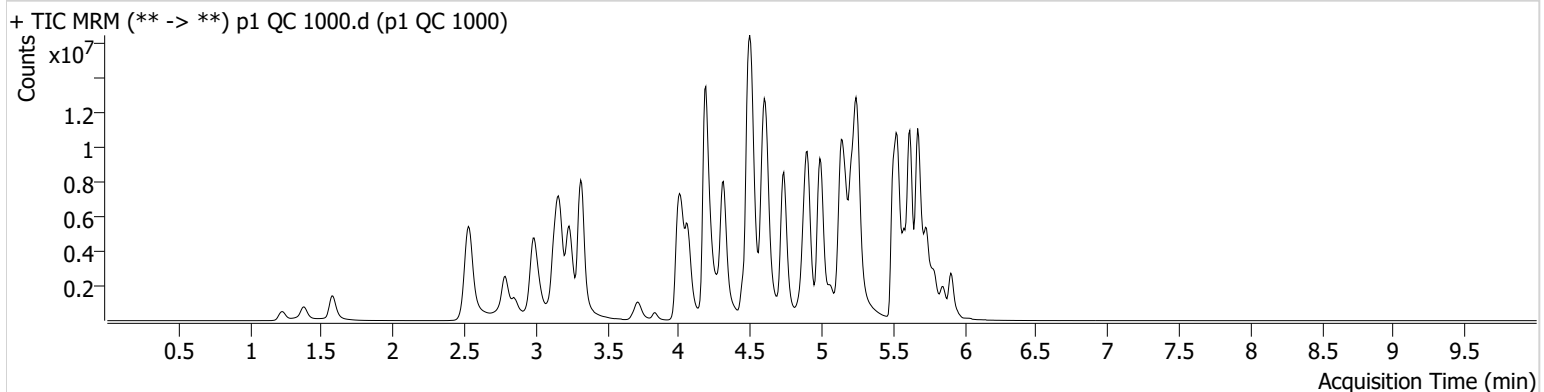
Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 7/20/2024 2:58:48 AM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
Operator Celena Shrum
Comment

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	310669	∞	64.5	∞	16084	986.8408 ng/ml
9-hydroxyrisperidone	4.603	635827	6555.44	3430.9	488888.37	802014	989.7475 ng/ml
Alprazolam	5.734	4047269	1181.59	109.5	693.16	160864	980.2500 ng/ml
Amphetamine	2.992	10142528	310404.20	48.1	110015.84	319999	477.0886 ng/ml
Benzoylcegonine	3.835	511291	478.03	35.5	8715.78	16939	981.2815 ng/ml
Bromazolam	5.766	1779360	196831.69	117.9	888253.62	52544	917.4181 ng/ml
Buprenorphine	5.840	416983	862.24	14.1	16284.87	161709	97.9605 ng/ml
Bupropion	4.738	15934372	462982.11	61.3	3528.46	544768	960.9716 ng/ml
Citalopram	5.173	8370891	3966.01	36.8	3374695.55	328589	1089.7447 ng/ml
Clonazepam	5.563	2076524	27057.71	35.7	9161.84	39374	758.3088 ng/ml
Cocaine	4.216	6672246	34223.15	50.5	30875.98	523090	977.4181 ng/ml
Cyclobenzaprine	5.586	7691609	187939.98	7.5	55490.23	239134	1035.5640 ng/ml
Diazepam	5.906	3479501	566.17	92.2	595.73	146576	974.5947 ng/ml
Diphenhydramine	5.251	23672725	767321.95	32.0	2064.91	1176051	999.0908 ng/ml
EDDP	5.215	11083060	1872.81	40.3	1331.48	450266	1079.3266 ng/ml
Fentanyl	5.062	1470245	27973.21	79.4	567803.37	800675	97.9983 ng/ml
Fluoxetine	5.673	3661915	79552.58	7.8	177190.76	131983	1025.5682 ng/ml
Hydrocodone	2.968	4883732	1081.01	37.9	790.81	243564	963.2500 ng/ml
Lamotrigine	4.232	1172774	10067.43	88.7	14405.36	762639	2706.6609 ng/ml
Lorazepam	5.706	843101	34844.36	51.4	5991.64	57718	1040.1914 ng/ml
Methadone	5.618	17386619	4016.94	50.5	2971.26	617162	985.8905 ng/ml
Methamphetamine	3.168	18018742	146486.33	35.2	71547.67	882953	757.7117 ng/ml
Metoprolol	4.272	1610353	2125.16	103.3	95368.26	1015926	704.5211 ng/ml
Mitragynine	5.191	2688418	165485.14	35.5	4160.52	617162	917.9803 ng/ml
Norbuprenorphine	4.944	63517	795.83	92.7	2592.53	26068	111.6713 ng/ml
Nordiazepam	5.853	2121908	389.57	61.5	782.94	66986	964.7466 ng/ml
Norfentanyl	4.035	747853	2802.14	38.3	∞	221123	118.6289 ng/ml
Norhydrocodone	3.009	1024800	445.56	40.4	∞	54337	1176.4061 ng/ml
Noroxycodone	2.852	2364047	1378.54	48.9	687.80	80531	990.4827 ng/ml
o-desmethylvenlafaxine	4.000	8187118	593788.39	32.6	9066.61	114019	850.1450 ng/ml
Oxycodone	2.784	8581156	1042.58	27.7	4270.54	349916	1007.1782 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	15350645	55644.80	29.4	47522.42	684472	1026.2520 ng/ml
Pseudoephedrine	2.538	17134266	804.80	15.5	9255.36	762639	1058.0160 ng/ml
Trazodone	5.136	15091063	1587556.23	70.6	493008.43	834538	666.2994 ng/ml
Venlafaxine	4.989	21713395	2148.99	32.2	15954.05	962900	1040.6403 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

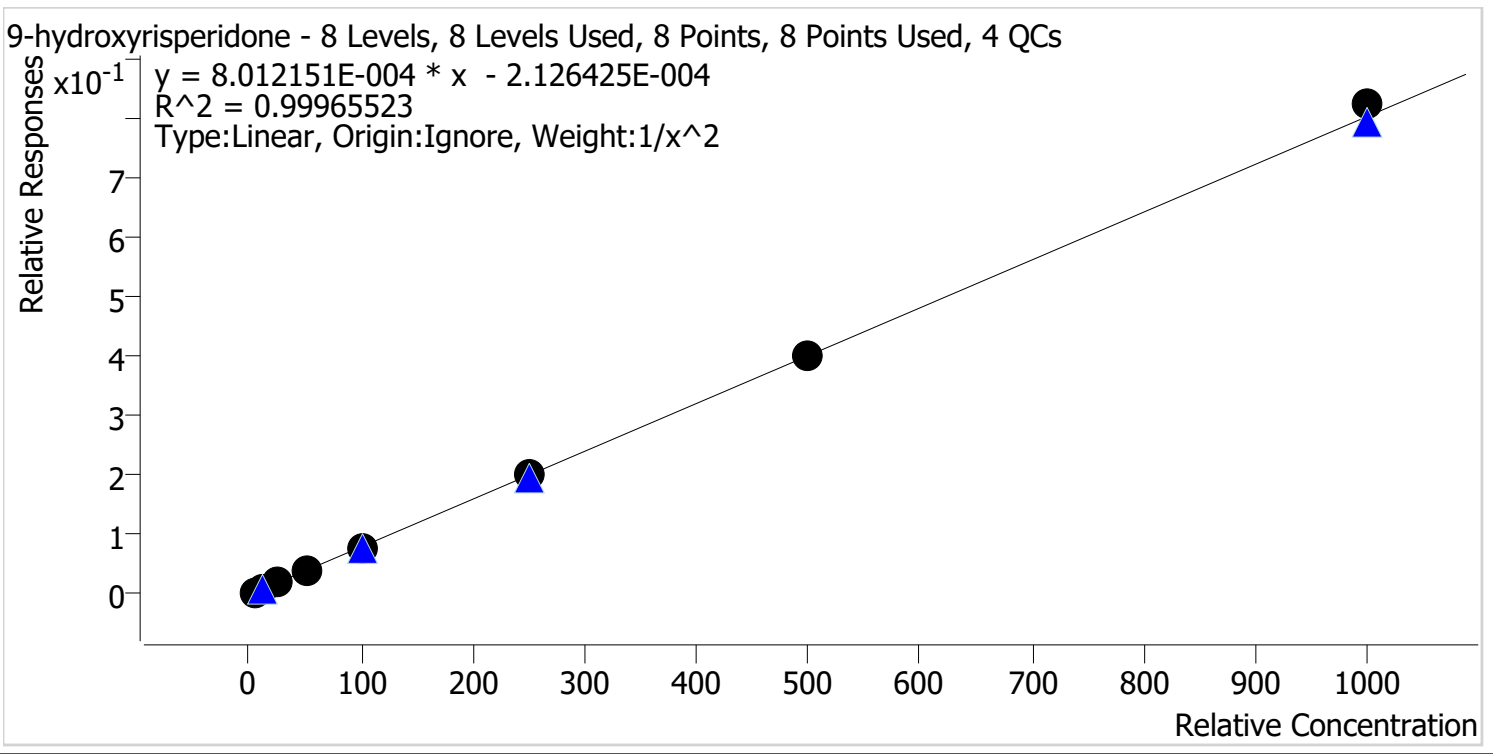
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ISP\Datastor

9-hydroxyrisperidone

Internal Standard

9-hydroxyrisperidone-D4

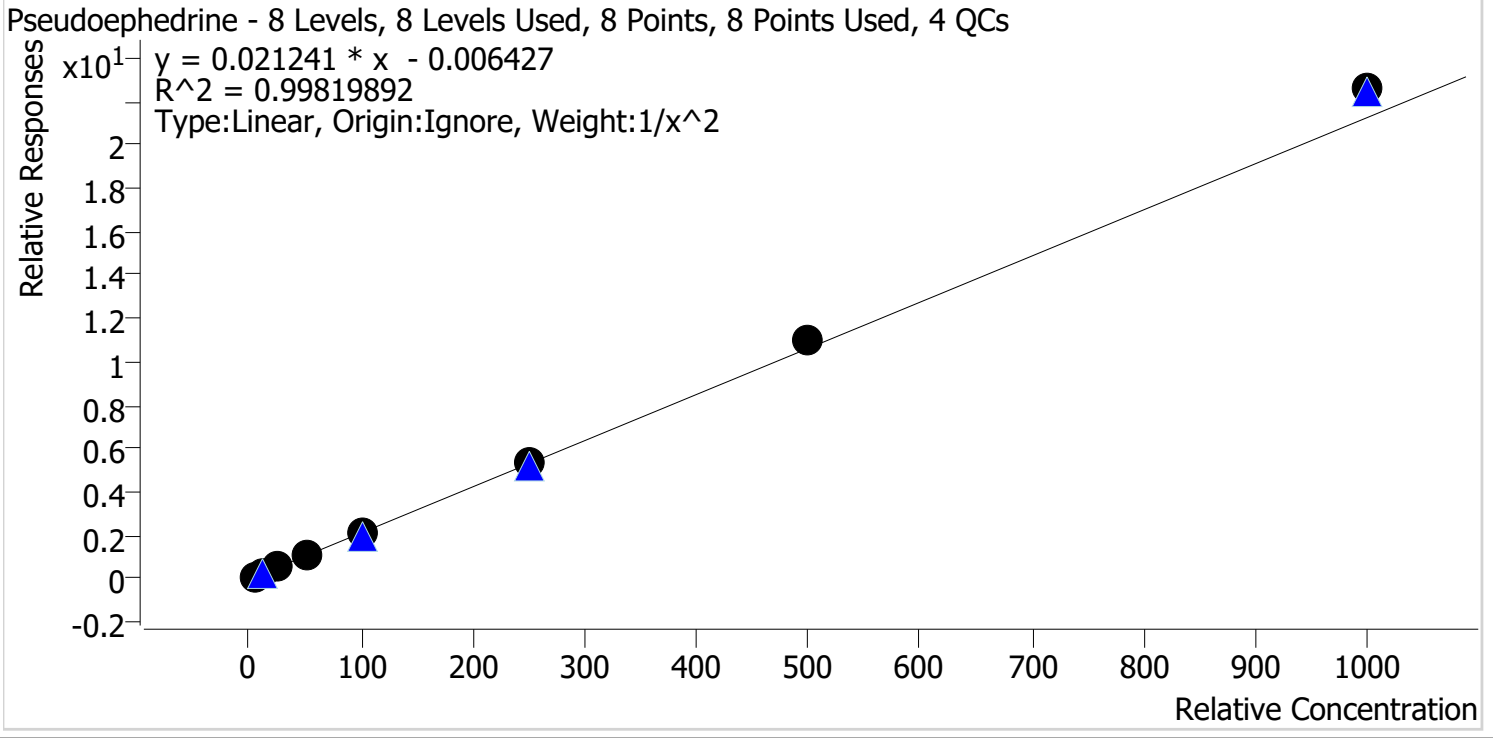


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin		
Last Cal. Update	7/22/2024 12:36 PM		
Analyst Name	ISP\Datastor		
Analyte	Pseudoephedrine	Internal Standard	Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	516.2	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1062.8	106.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

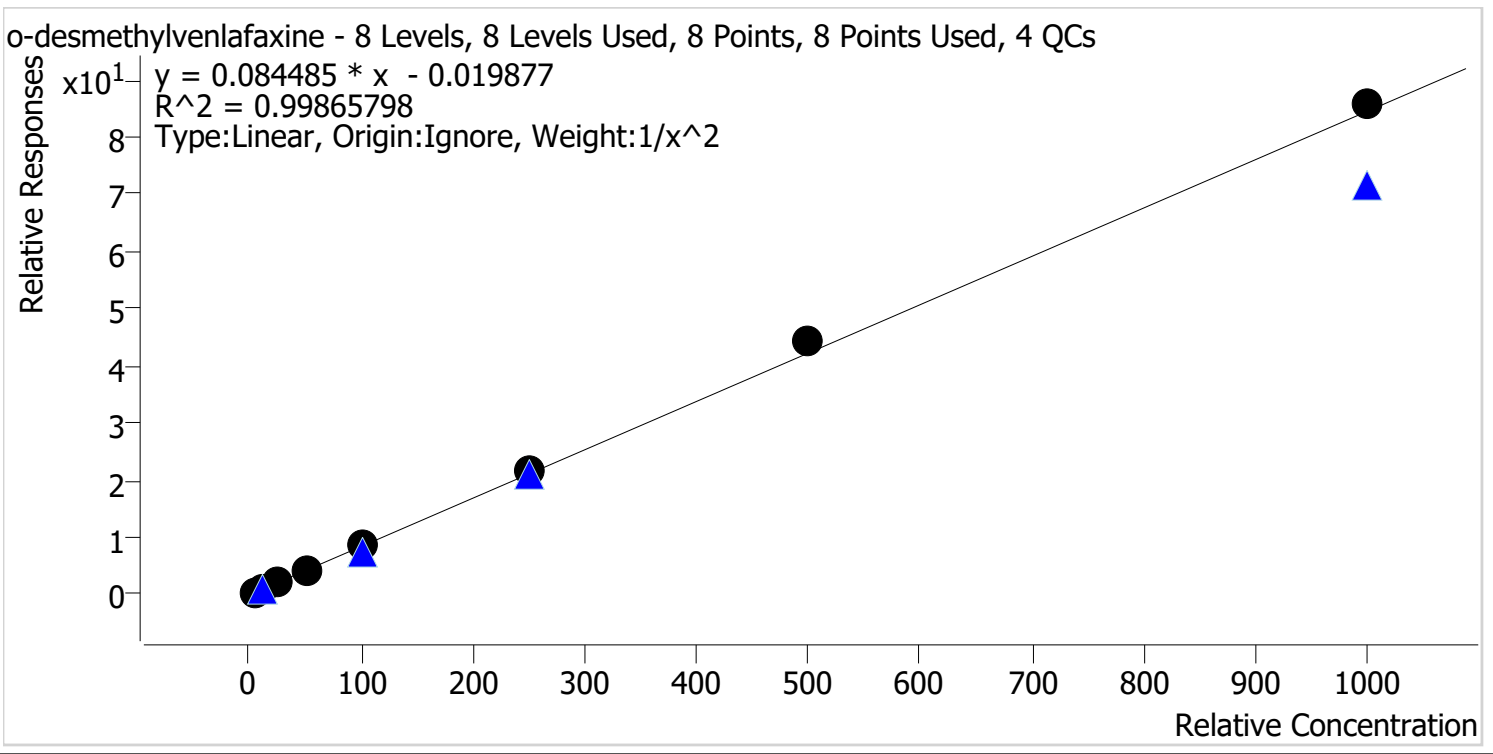
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ISP\Datastor

o-desmethylvenlafaxine

Internal Standard

o-desmethylvenlafaxine-D6



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	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	522.7	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1014.6	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

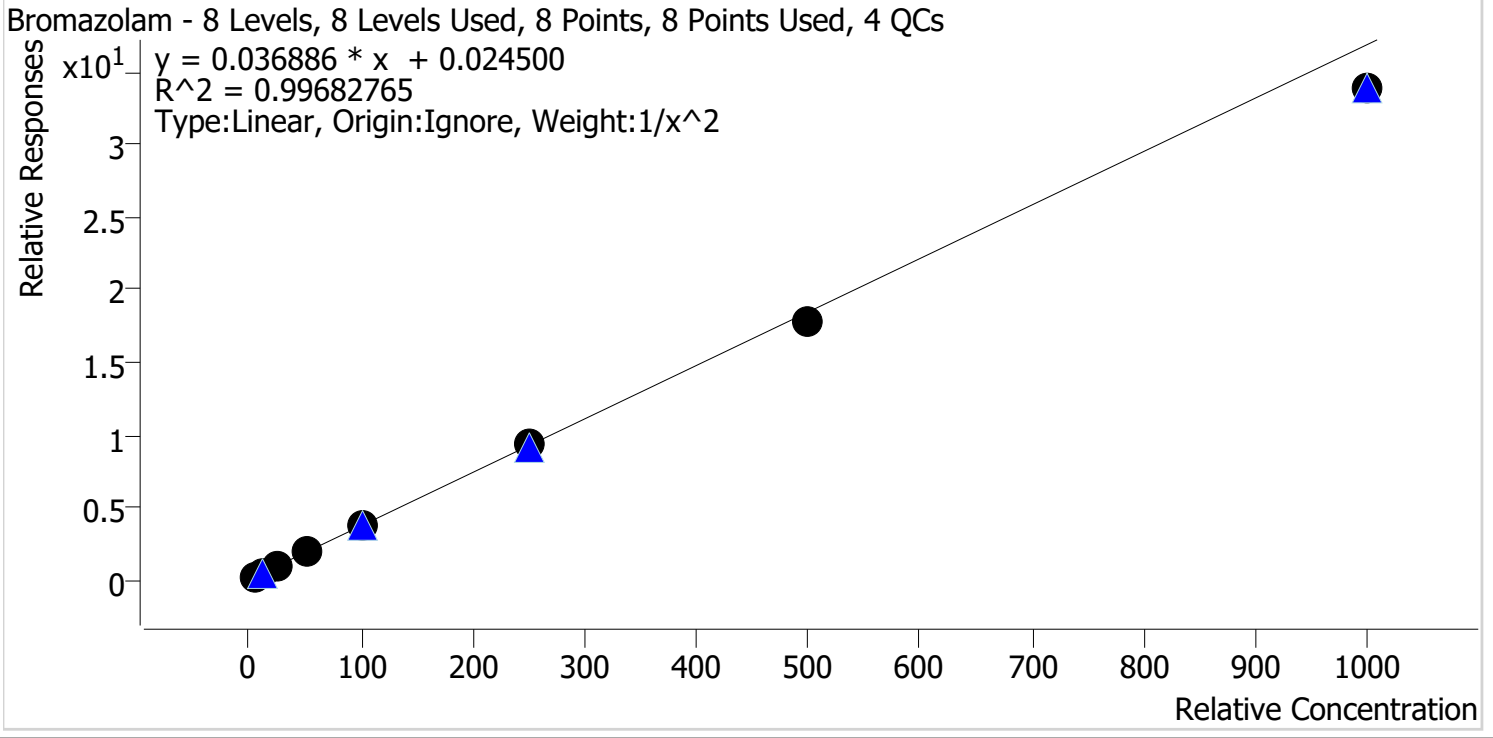
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ISP\Datastor

Bromazolam

Internal Standard

Bromazolam-D5



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	10.6	106.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	917.7	91.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

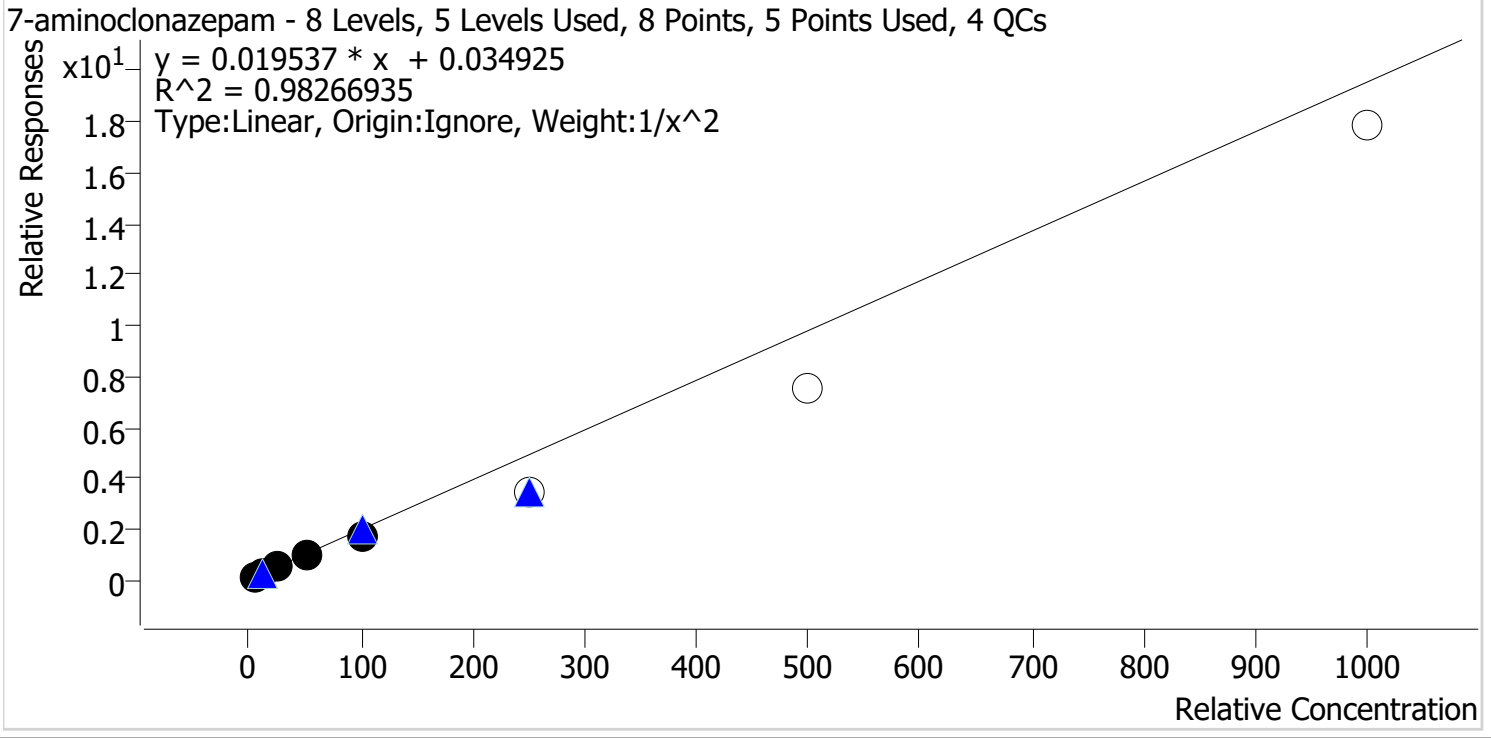
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ISP\Datastor

7-aminoclonazepam

Internal Standard

7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.9	108.9
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	86.0	86.0
p1 Cal 6-250ng	6	✗	250.0	173.3	69.3
p1 Cal 7-500ng	7	✗	500.0	386.0	77.2
p1 Cal 8-1000ng	8	✗	1000.0	910.3	91.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

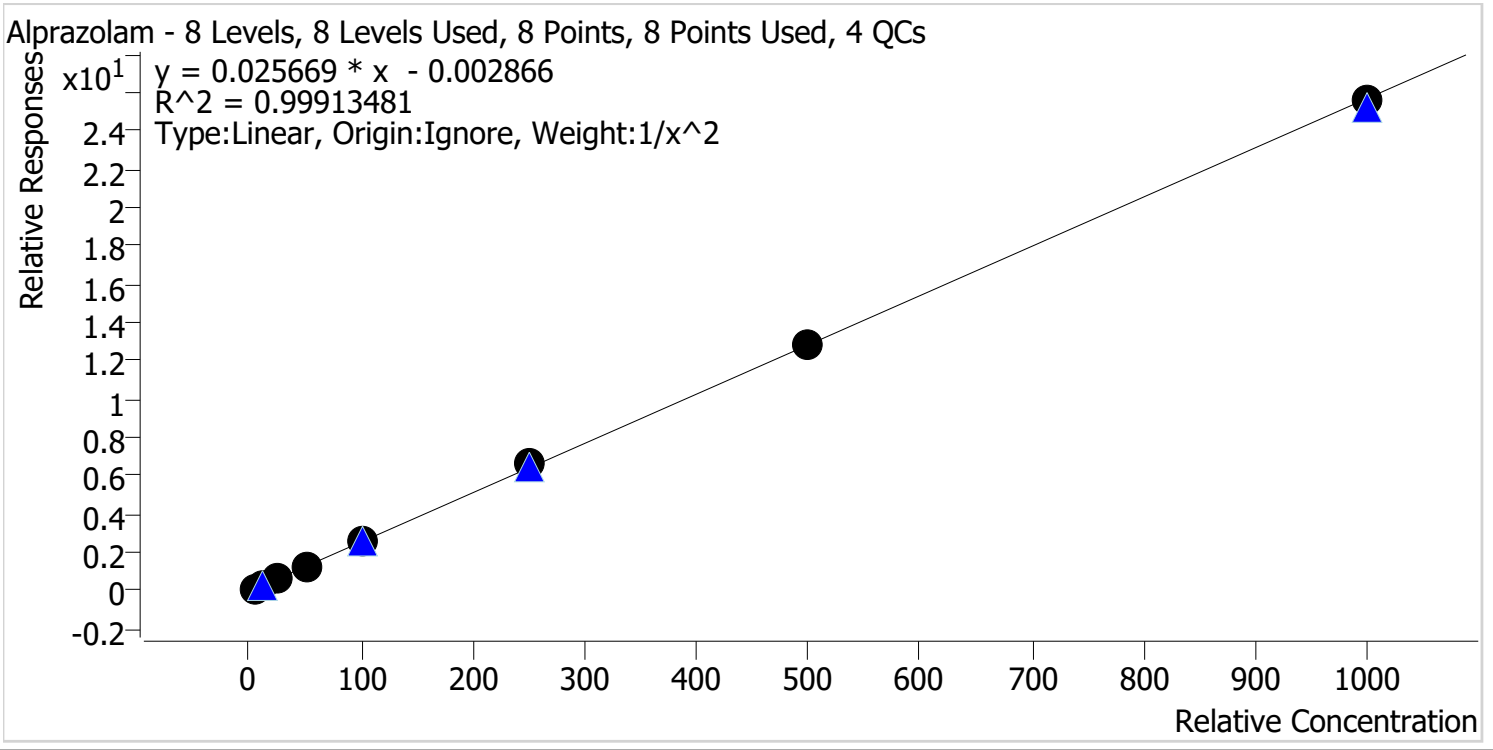
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ISP\Datastor

Alprazolam

Internal Standard

Alprazolam-D5

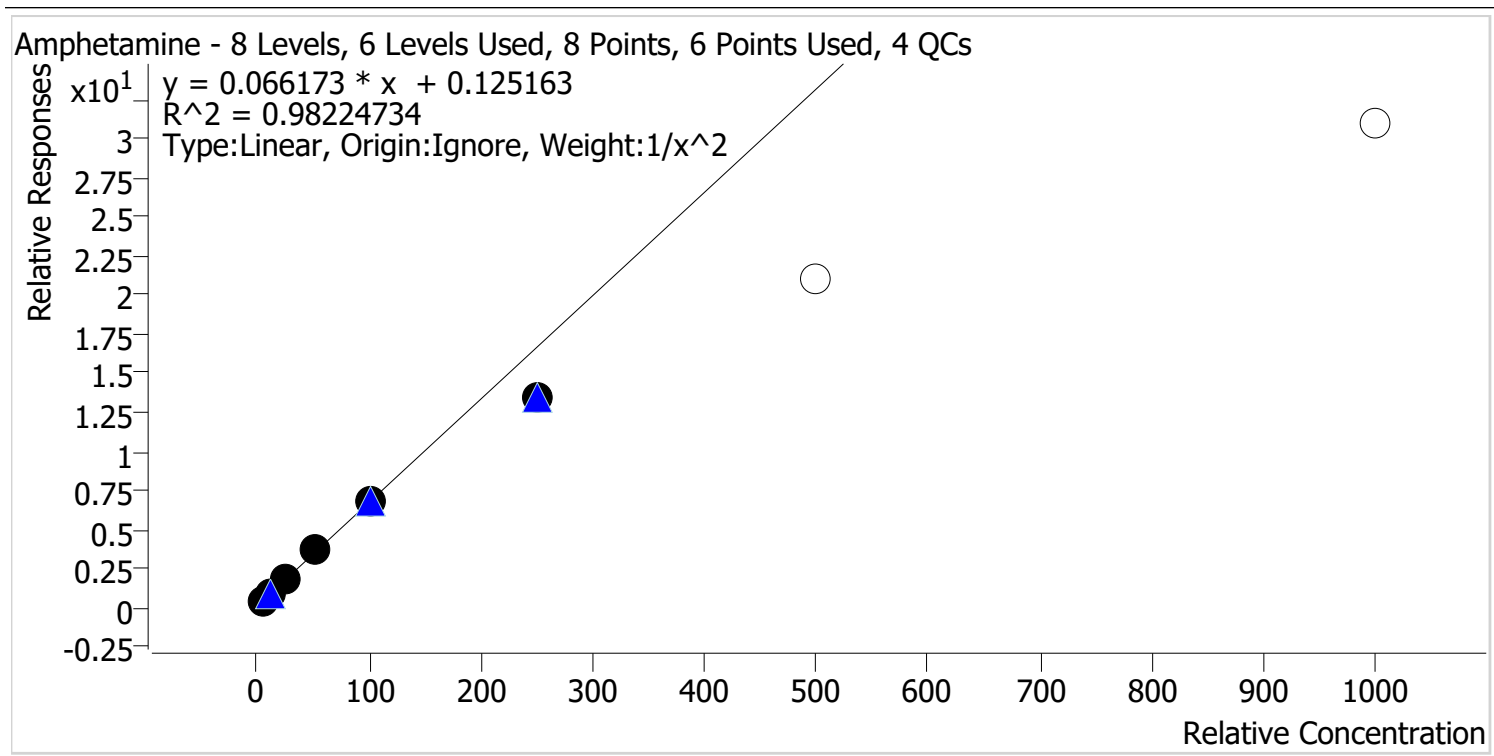


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	995.7	99.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Amphetamine Internal Standard Amphetamine-D11



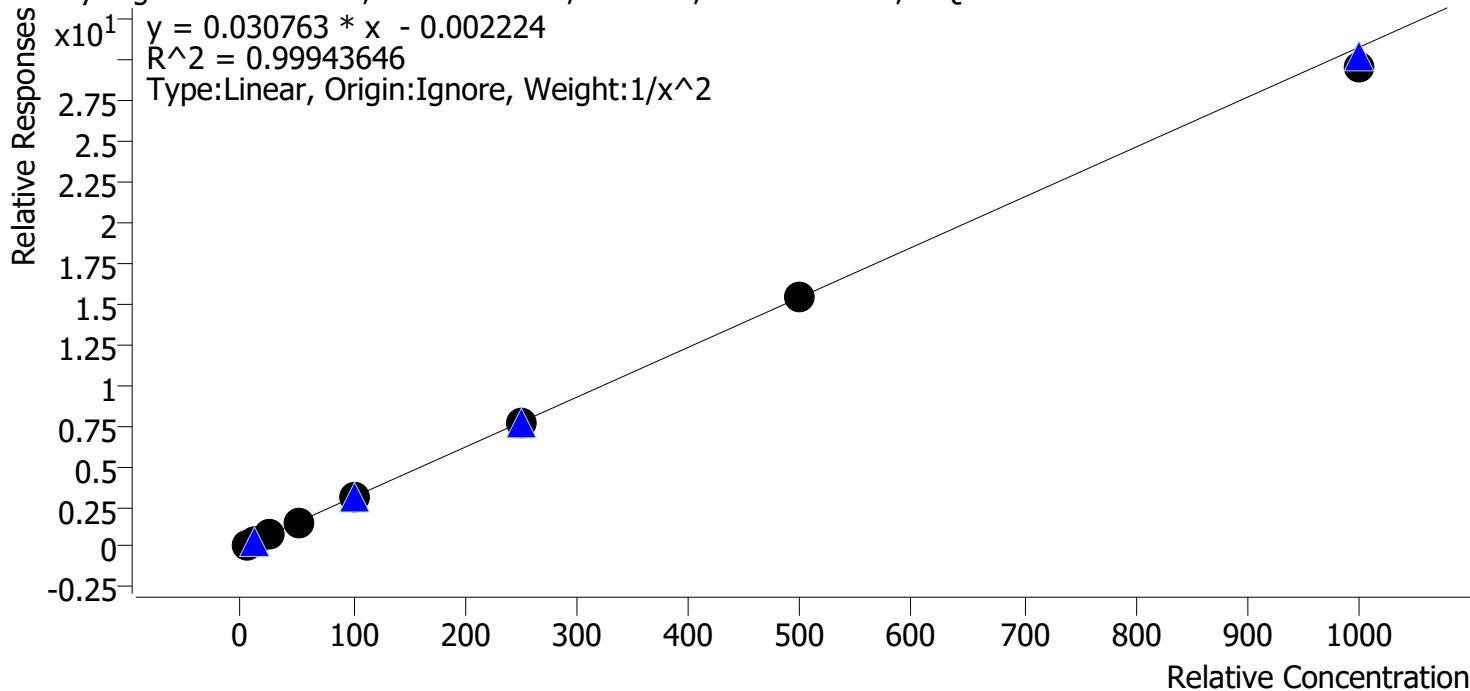
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.8
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	202.5	81.0
p1 Cal 7-500ng	7	✗	500.0	317.2	63.4
p1 Cal 8-1000ng	8	✗	1000.0	467.5	46.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 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	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	963.9	96.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

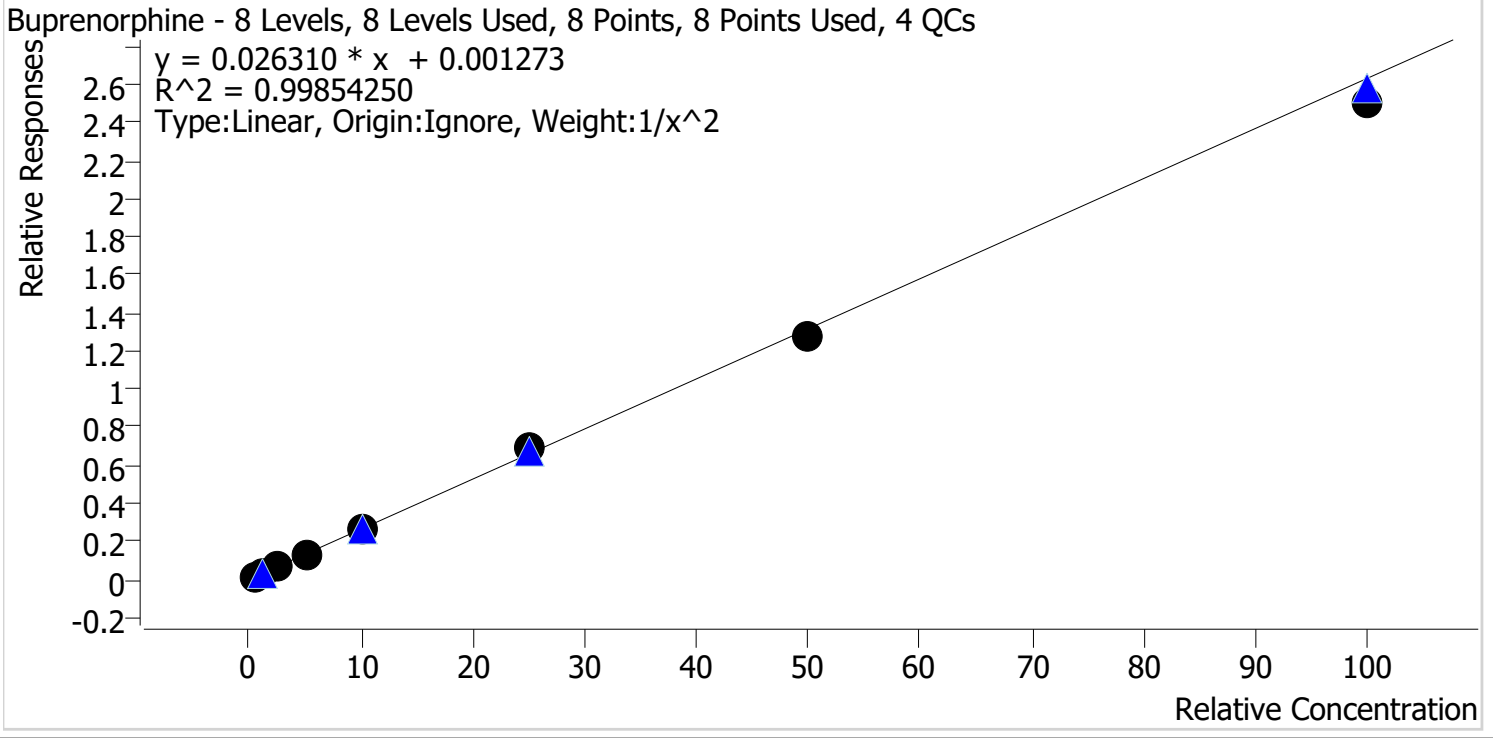
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ISP\Datastor

Buprenorphine

Internal Standard

Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.9
p1 Cal 2-10ng	2	✓	1.0	1.0	104.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.8
p1 Cal 5-100ng	5	✓	10.0	10.2	102.0
p1 Cal 6-250ng	6	✓	25.0	26.1	104.4
p1 Cal 7-500ng	7	✓	50.0	48.7	97.4
p1 Cal 8-1000ng	8	✓	100.0	95.2	95.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

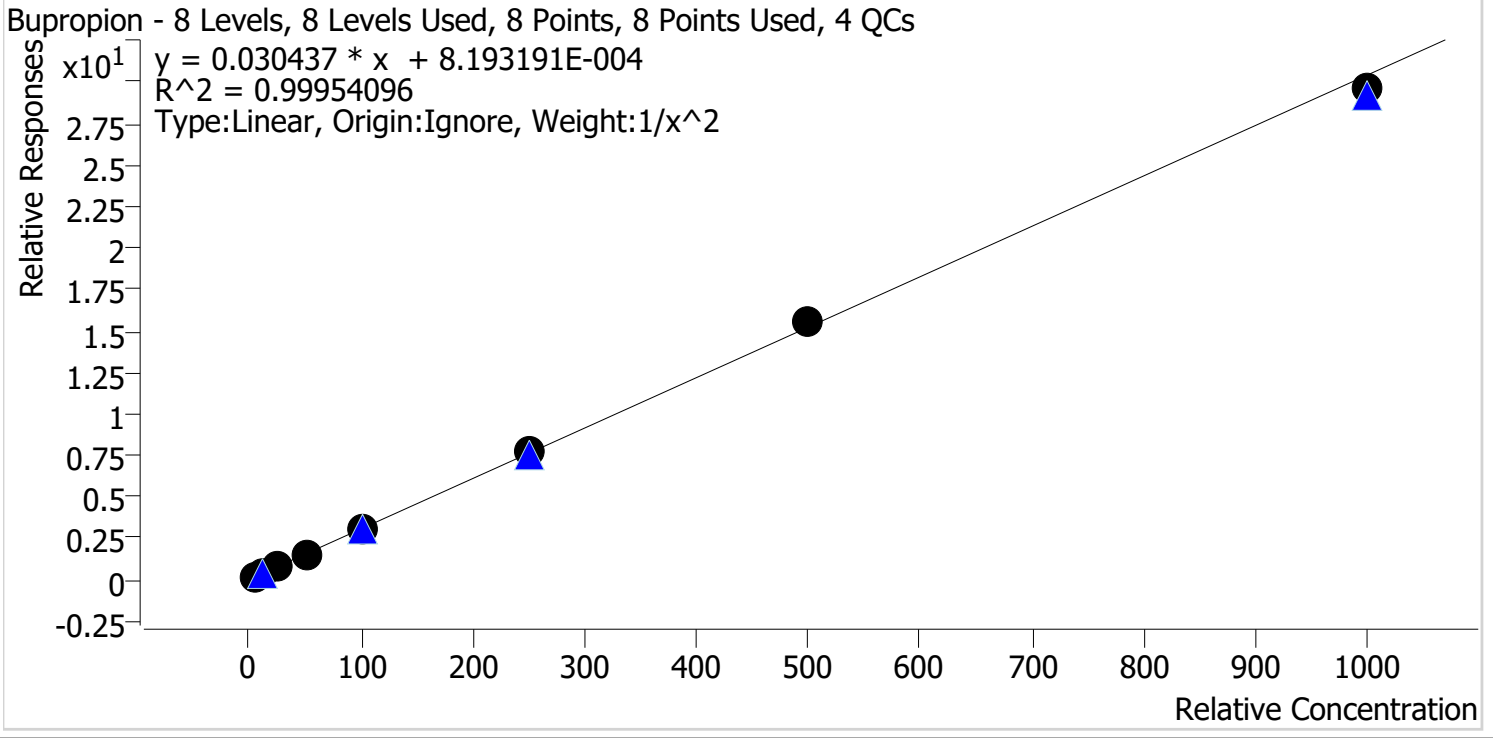
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ISP\Datastor

Bupropion

Internal Standard

Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	973.2	97.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

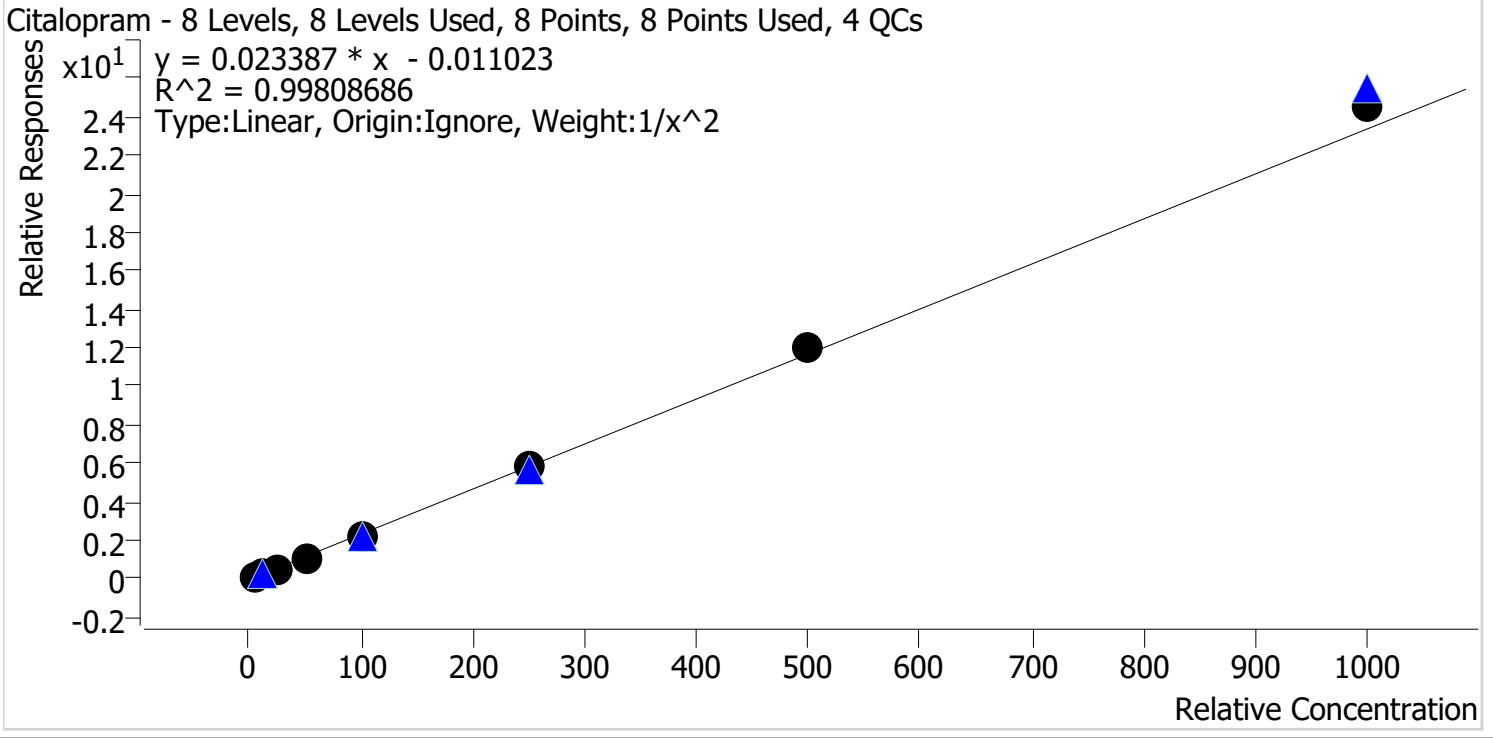
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ISP\Datastor

Citalopram

Internal Standard

Citalopram-D6

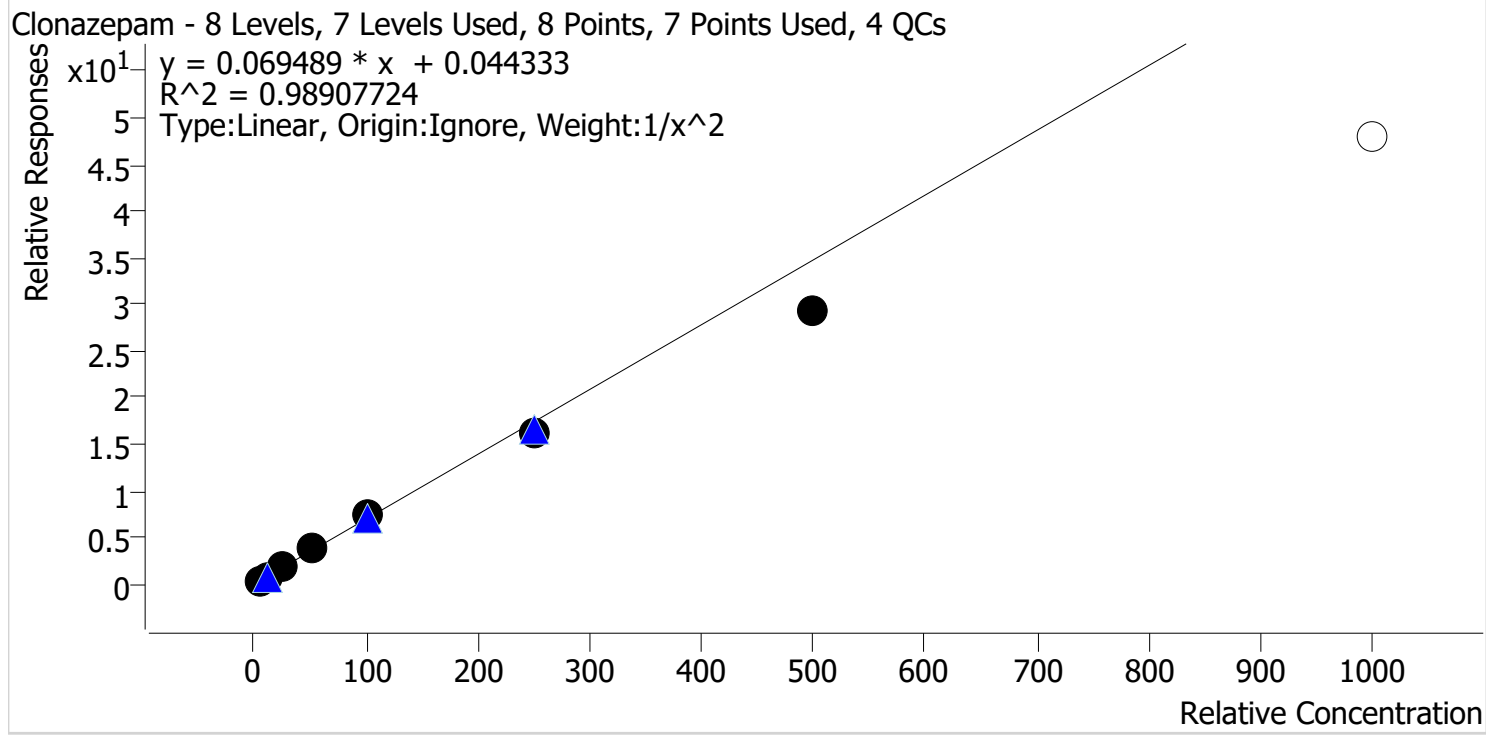


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1053.7	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Clonazepam Internal Standard Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	235.1	94.0
p1 Cal 7-500ng	7	✓	500.0	423.7	84.7
p1 Cal 8-1000ng	8	✗	1000.0	693.4	69.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

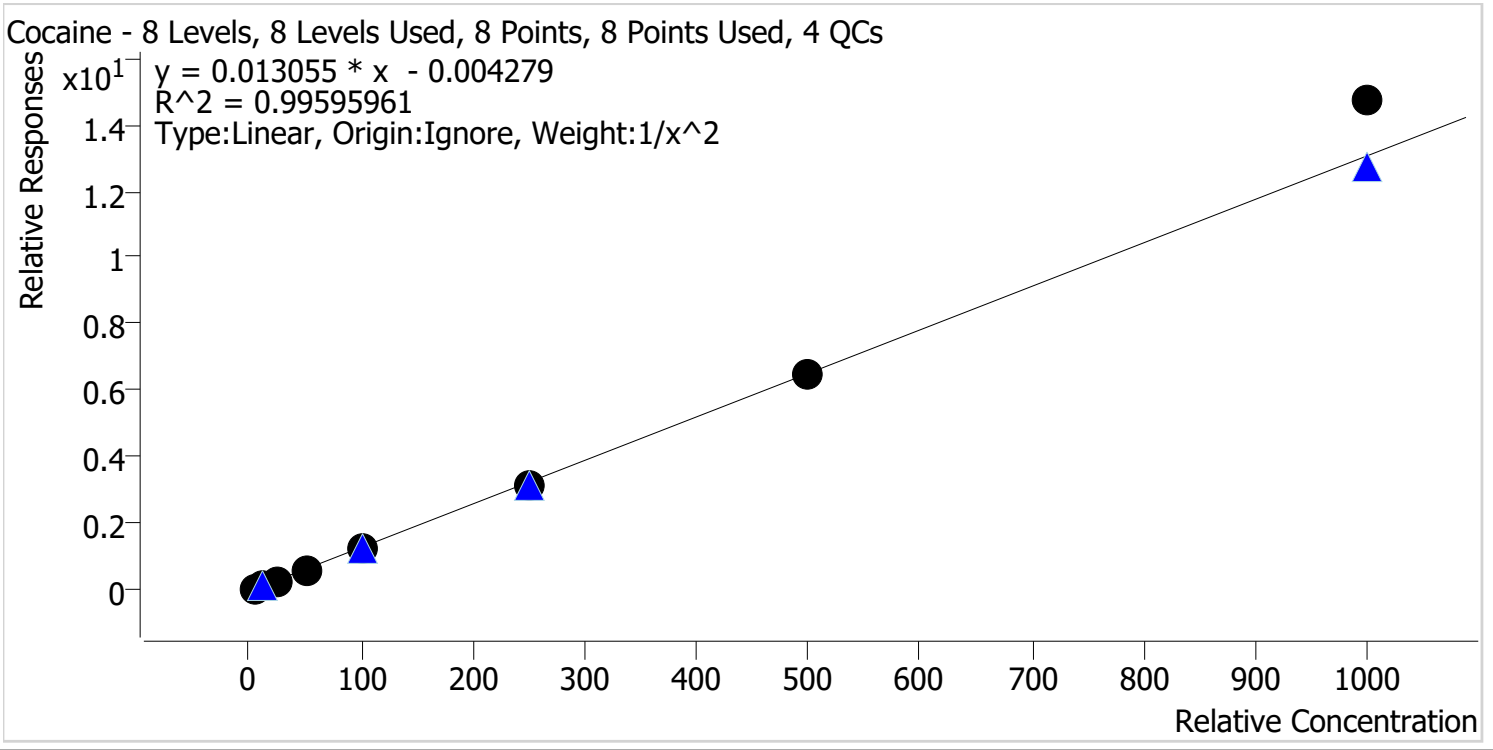
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ISP\Datastor

Cocaine

Internal Standard

Cocaine-D3



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	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1127.0	112.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

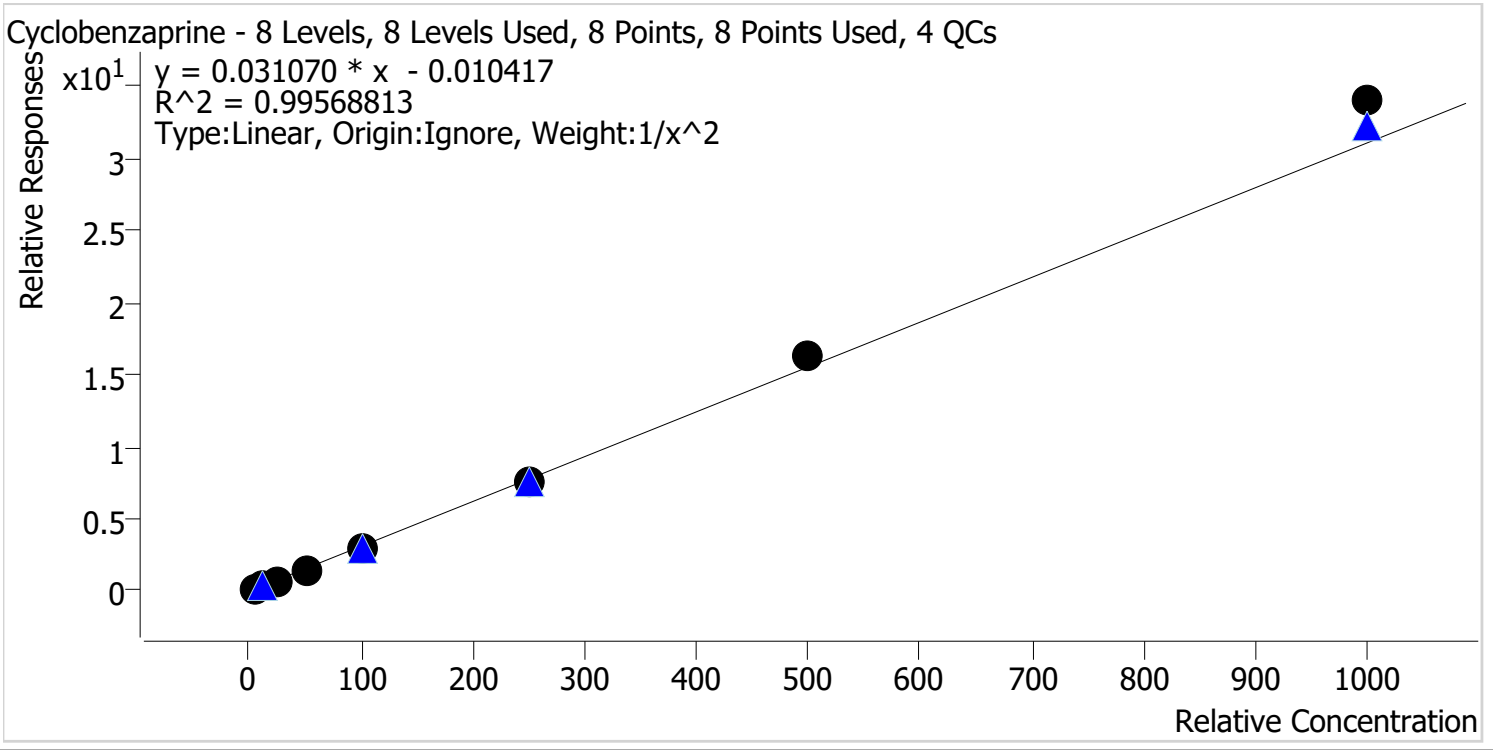
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ISP\Datastor

Cyclobenzaprine

Internal Standard

Cyclobenzaprine-D3

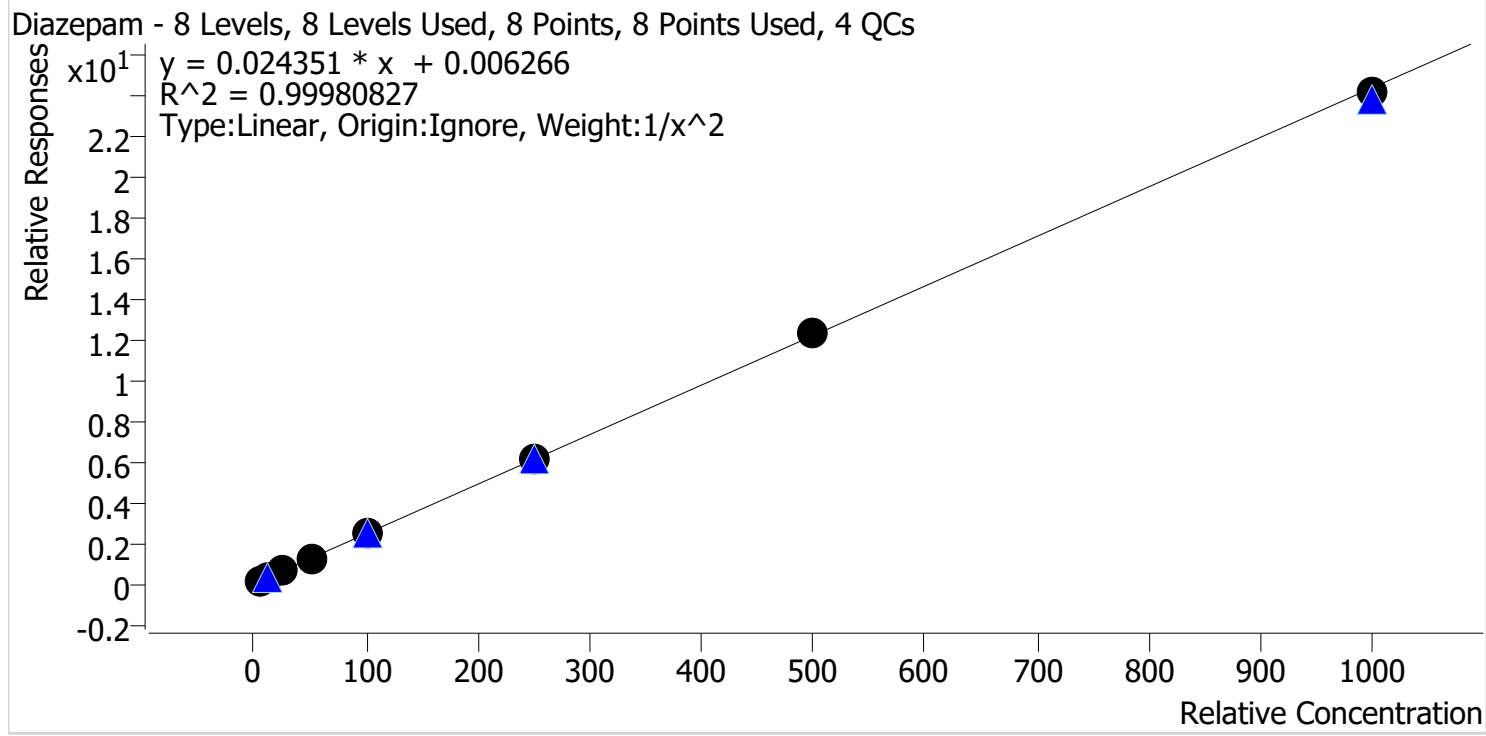


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2-10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.3
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	522.8	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1094.4	109.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
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	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	990.5	99.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

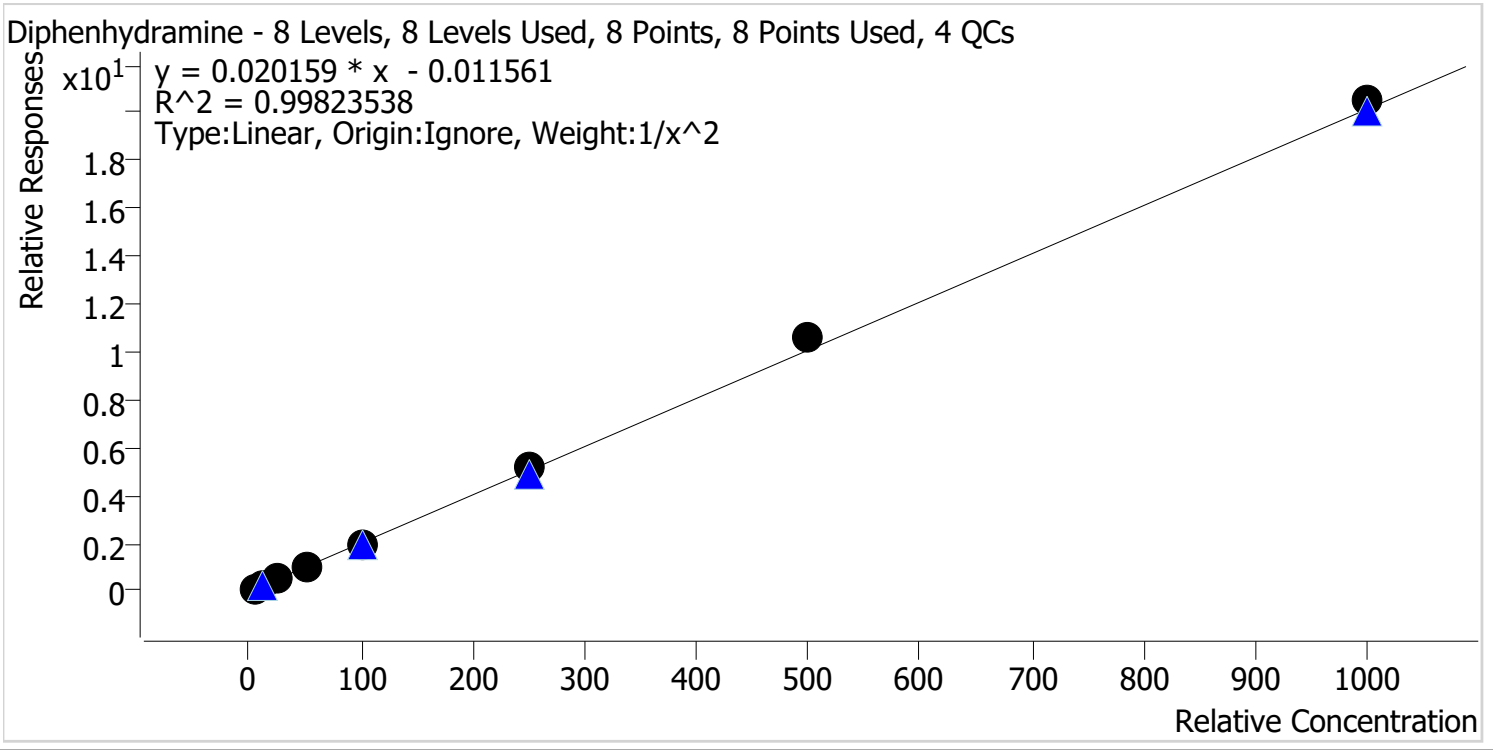
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ISP\Datastor

Diphenhydramine

Internal Standard

Diphenhydramine-D3



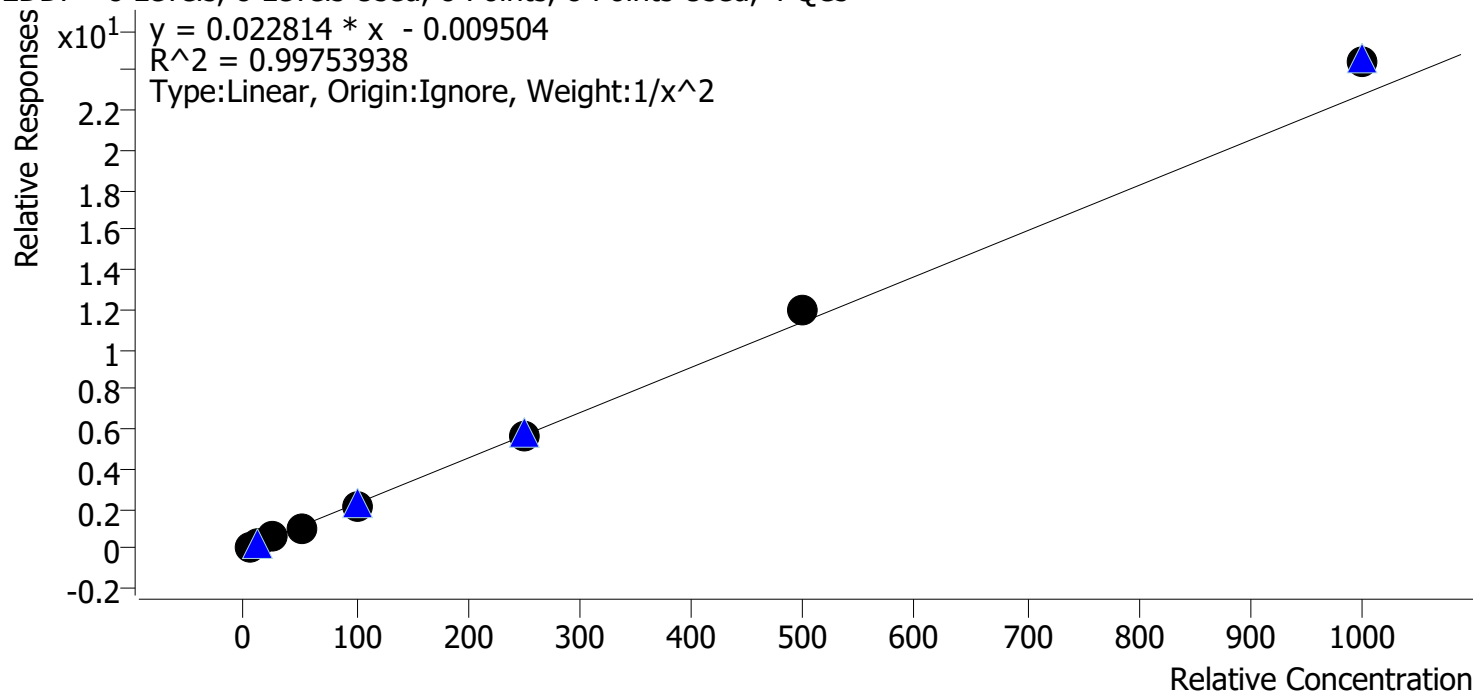
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	527.2	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1017.8	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte EDDP Internal Standard EDDP-D3

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

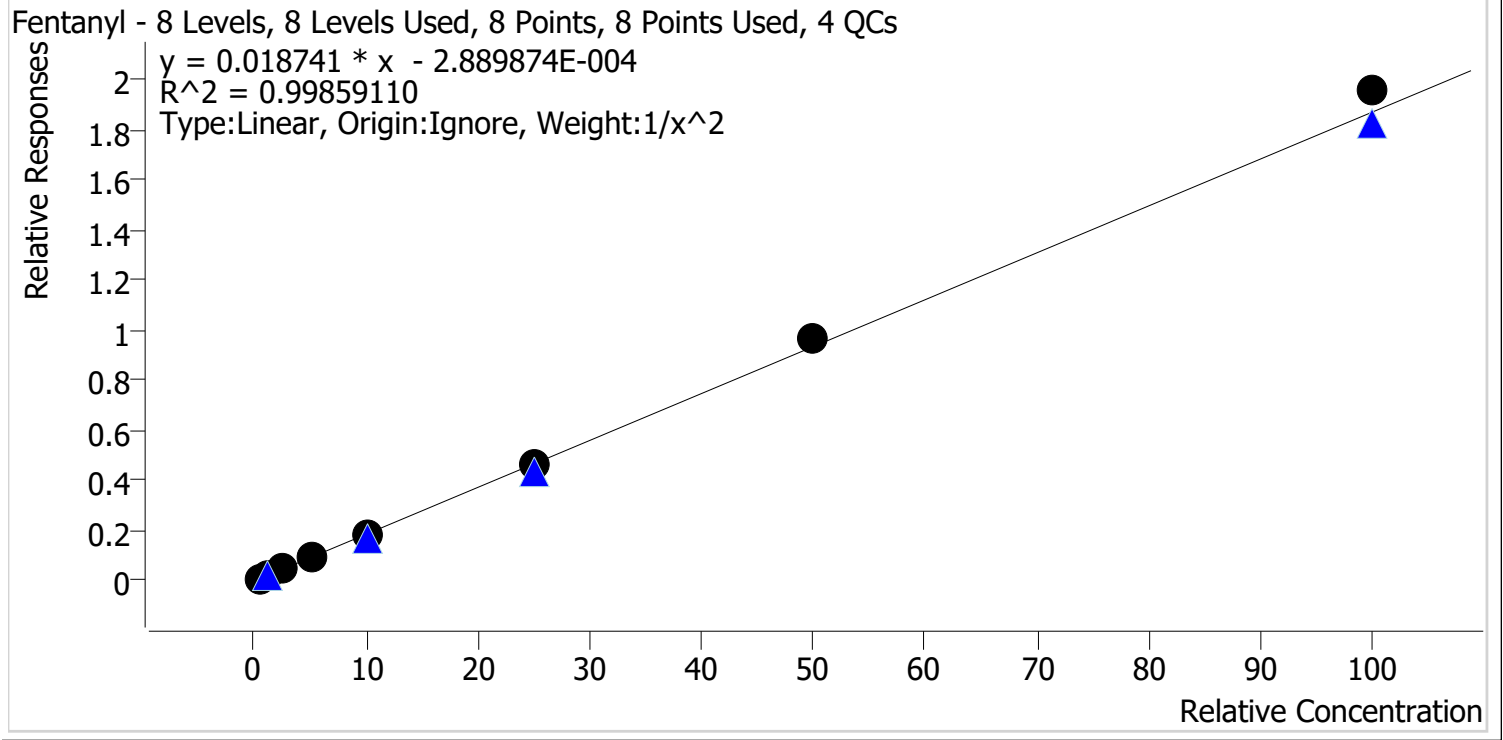


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1075.4	107.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



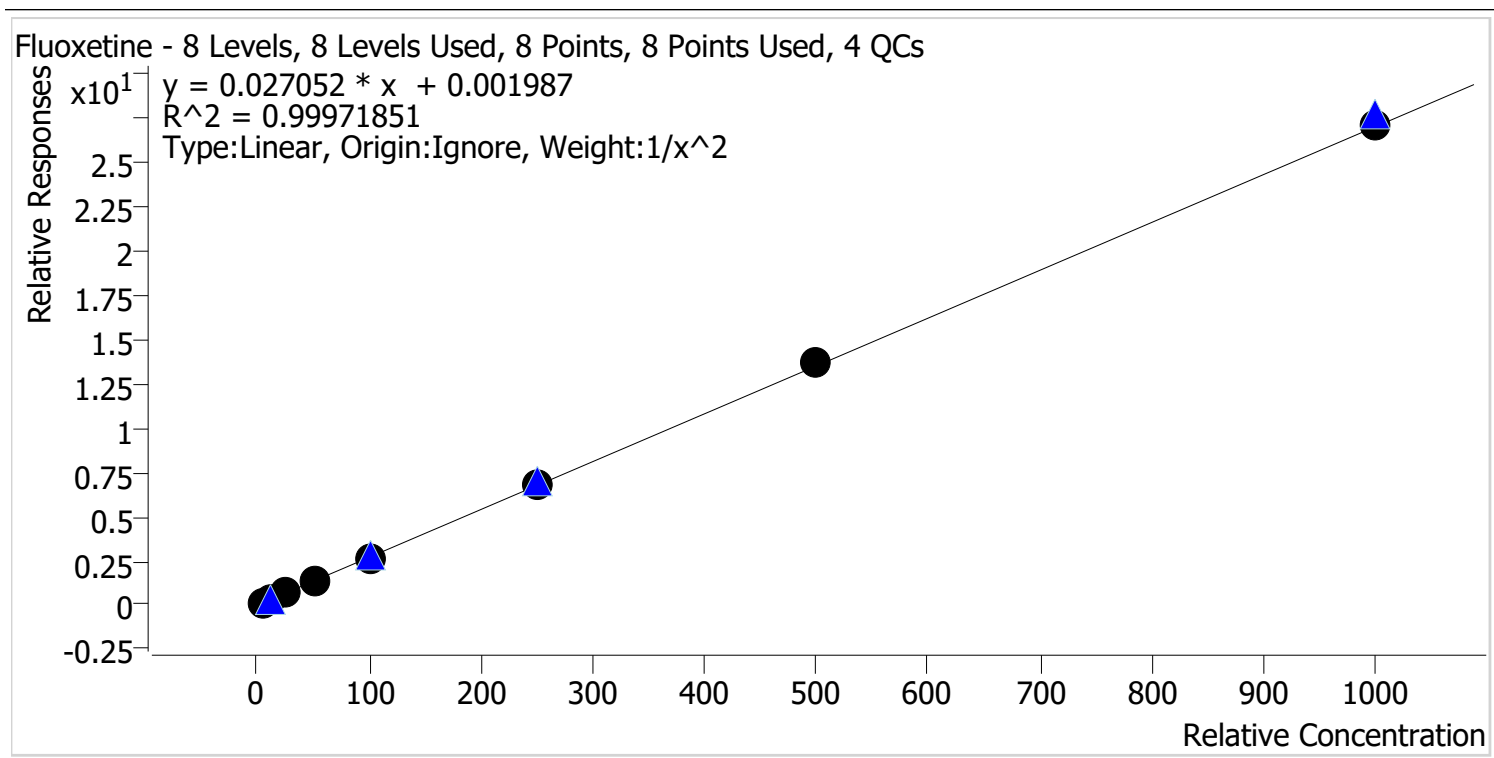
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	95.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.6
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	51.4	102.8
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
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	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1003.9	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

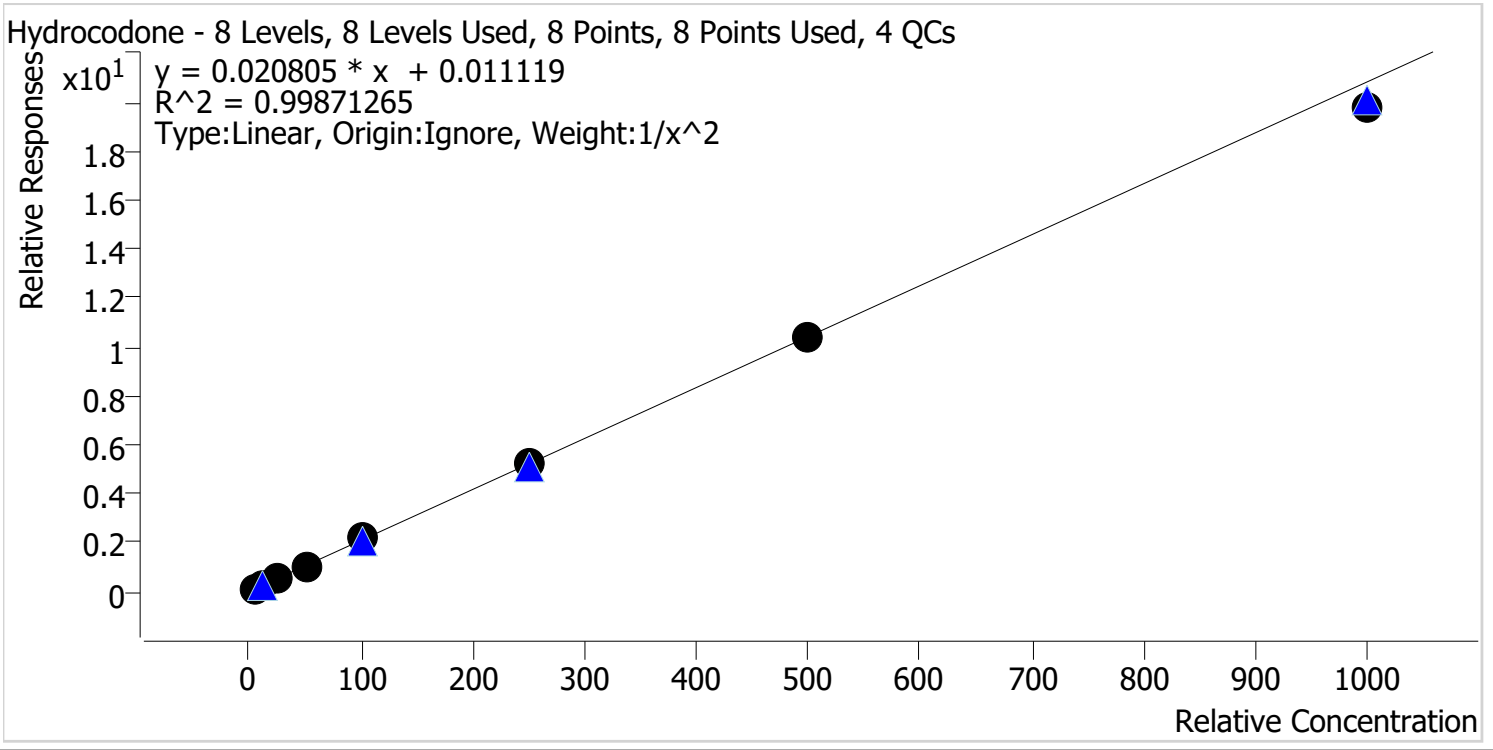
7/22/2024 12:36 PM

ISP\Datastor

Hydrocodone

Internal Standard

Hydrocodone-D6

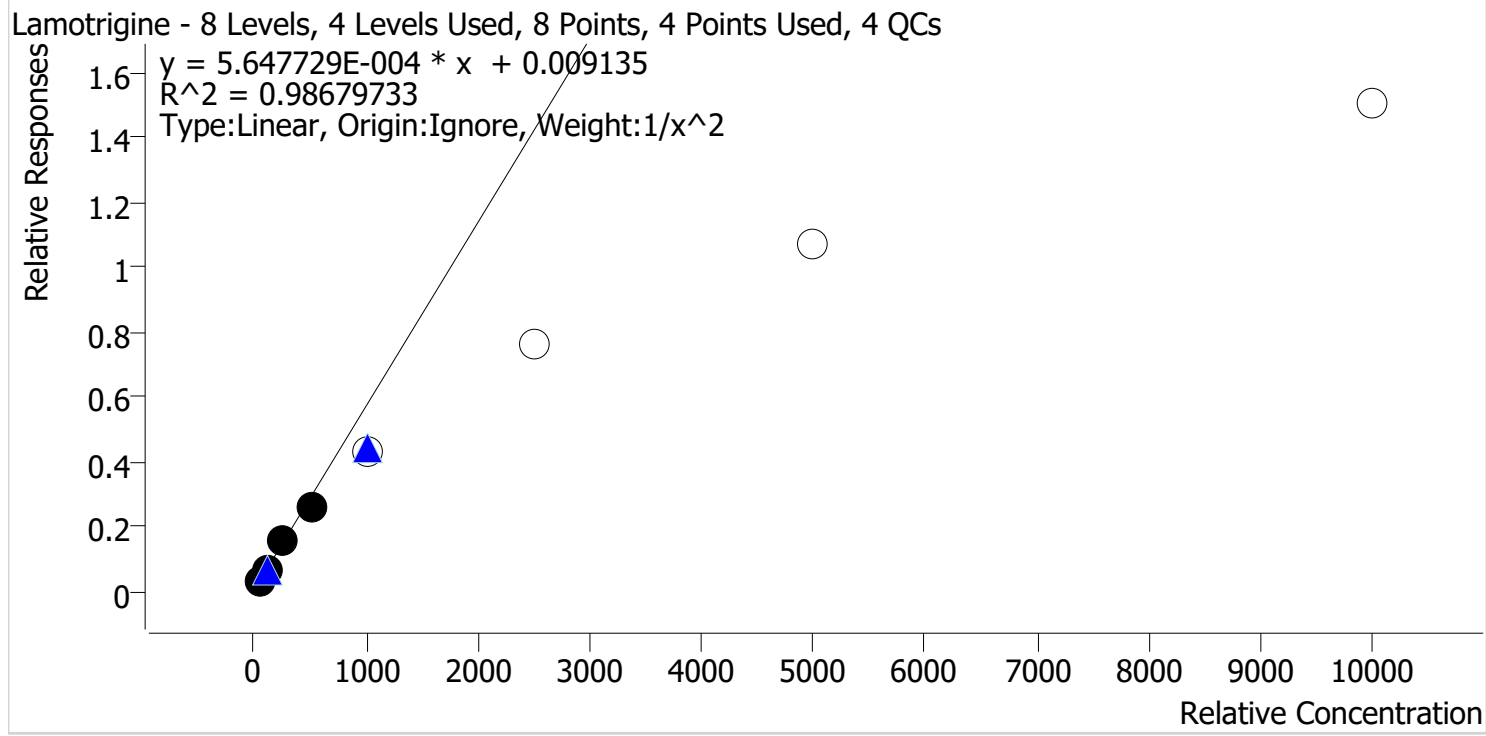


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	949.5	95.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Lamotrigine Internal Standard Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	50.0	48.0	96.1
p1 Cal 2-10ng	2	✓	100.0	107.2	107.2
p1 Cal 3 -25ng	3	✓	250.0	266.0	106.4
p1 Cal 4-50ng	4	✓	500.0	451.6	90.3
p1 Cal 5-100ng	5	✗	1000.0	759.3	75.9
p1 Cal 6-250ng	6	✗	2500.0	1341.6	53.7
p1 Cal 7-500ng	7	✗	5000.0	1887.6	37.8
p1 Cal 8-1000ng	8	✗	10000.0	2639.5	26.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

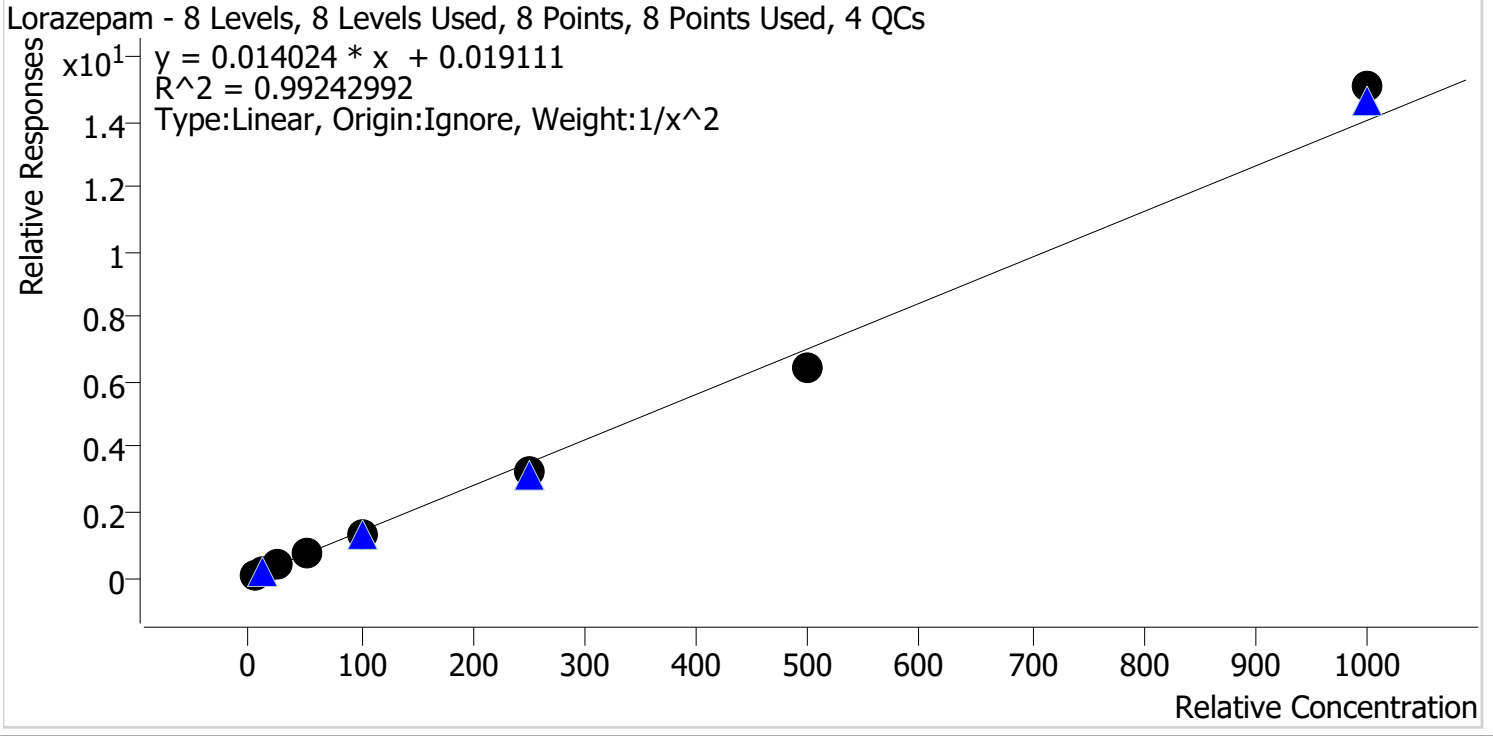
7/22/2024 12:36 PM

ISP\Datastor

Lorazepam

Internal Standard

Oxazepam-D5



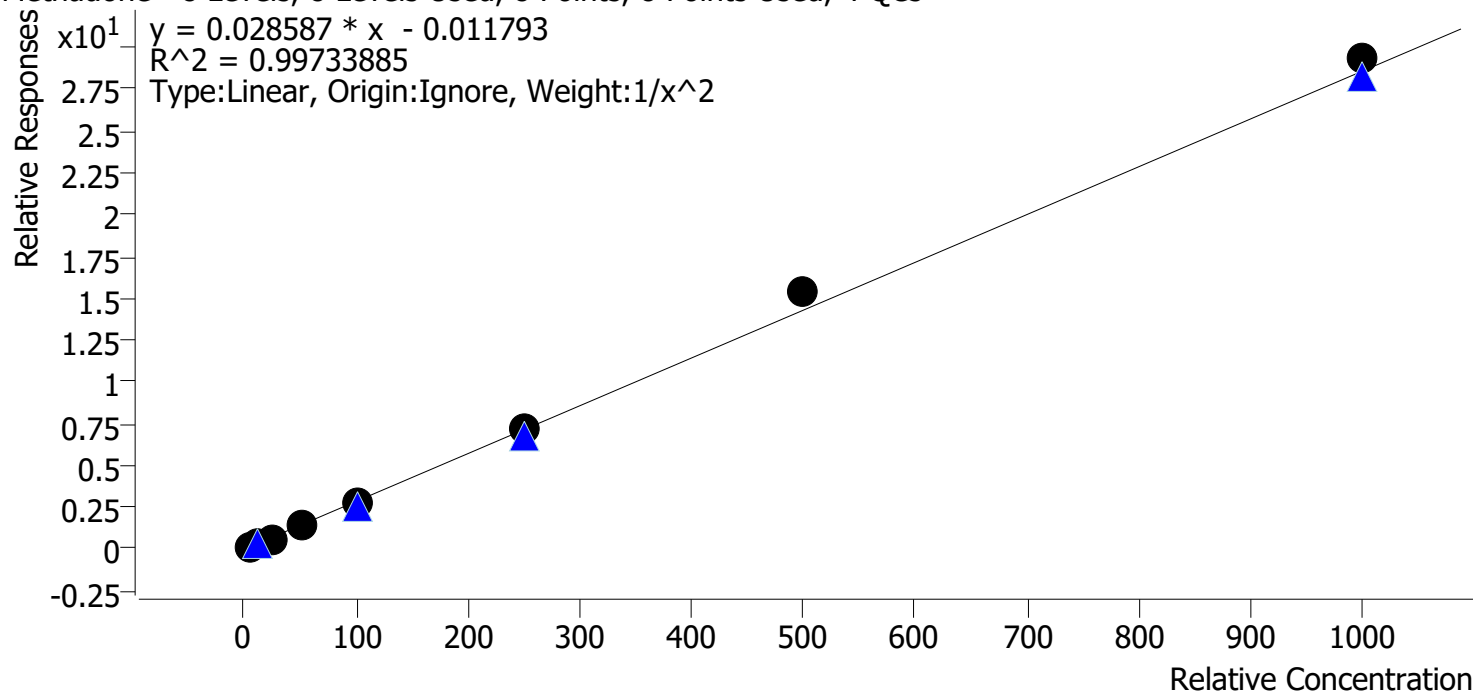
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.7	106.6
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	227.4	91.0
p1 Cal 7-500ng	7	✓	500.0	460.8	92.2
p1 Cal 8-1000ng	8	✓	1000.0	1074.0	107.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
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	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.6
p1 Cal 4-50ng	4	✓	50.0	48.2	96.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	535.3	107.1
p1 Cal 8-1000ng	8	✓	1000.0	1026.4	102.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

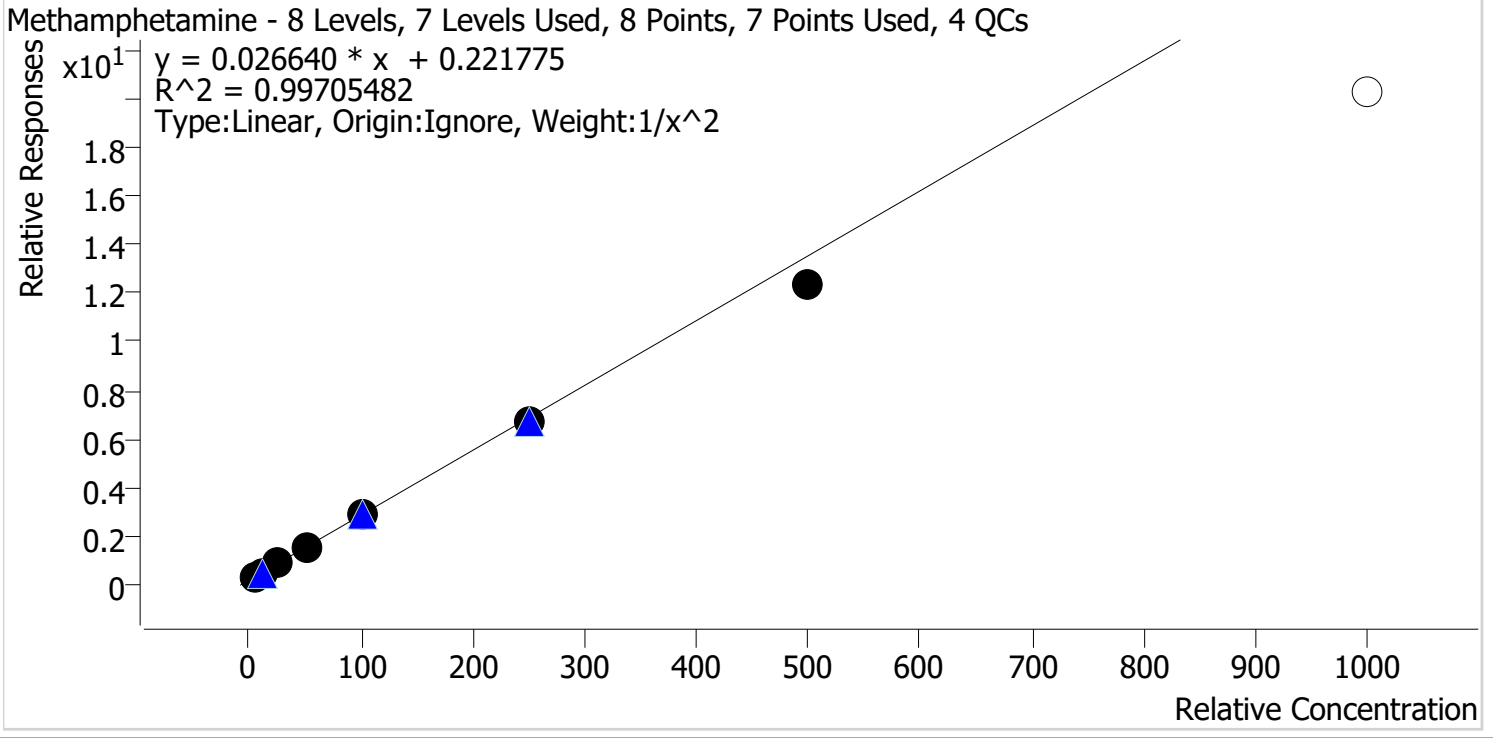
7/22/2024 12:36 PM

ISP\Datastor

Methamphetamine

Internal Standard

Methamphetamine-D11



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	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	456.4	91.3
p1 Cal 8-1000ng	8	✗	1000.0	754.0	75.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

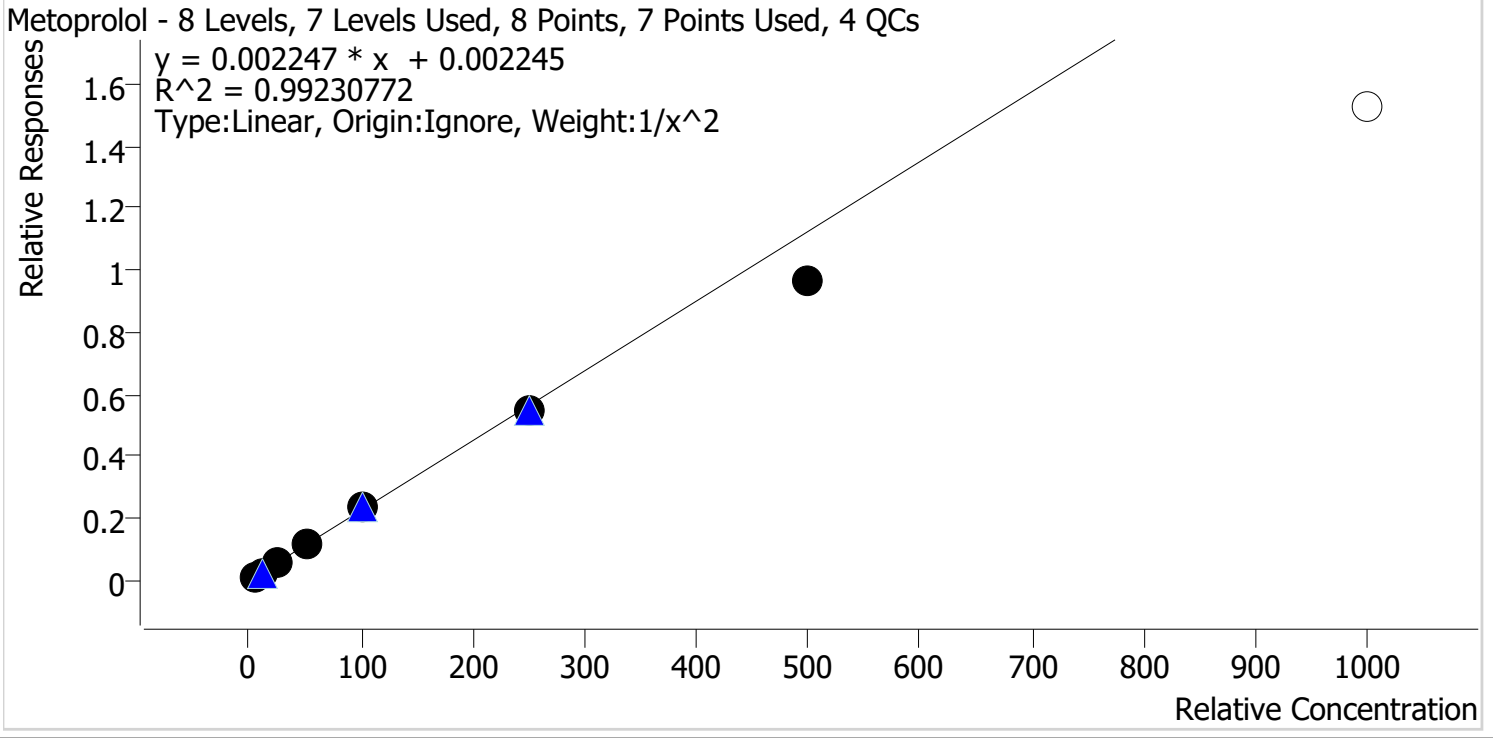
7/22/2024 12:36 PM

ISP\Datastor

Metoprolol

Internal Standard

Tramadol-13C-D3



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	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	428.8	85.8
p1 Cal 8-1000ng	8	✗	1000.0	678.0	67.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

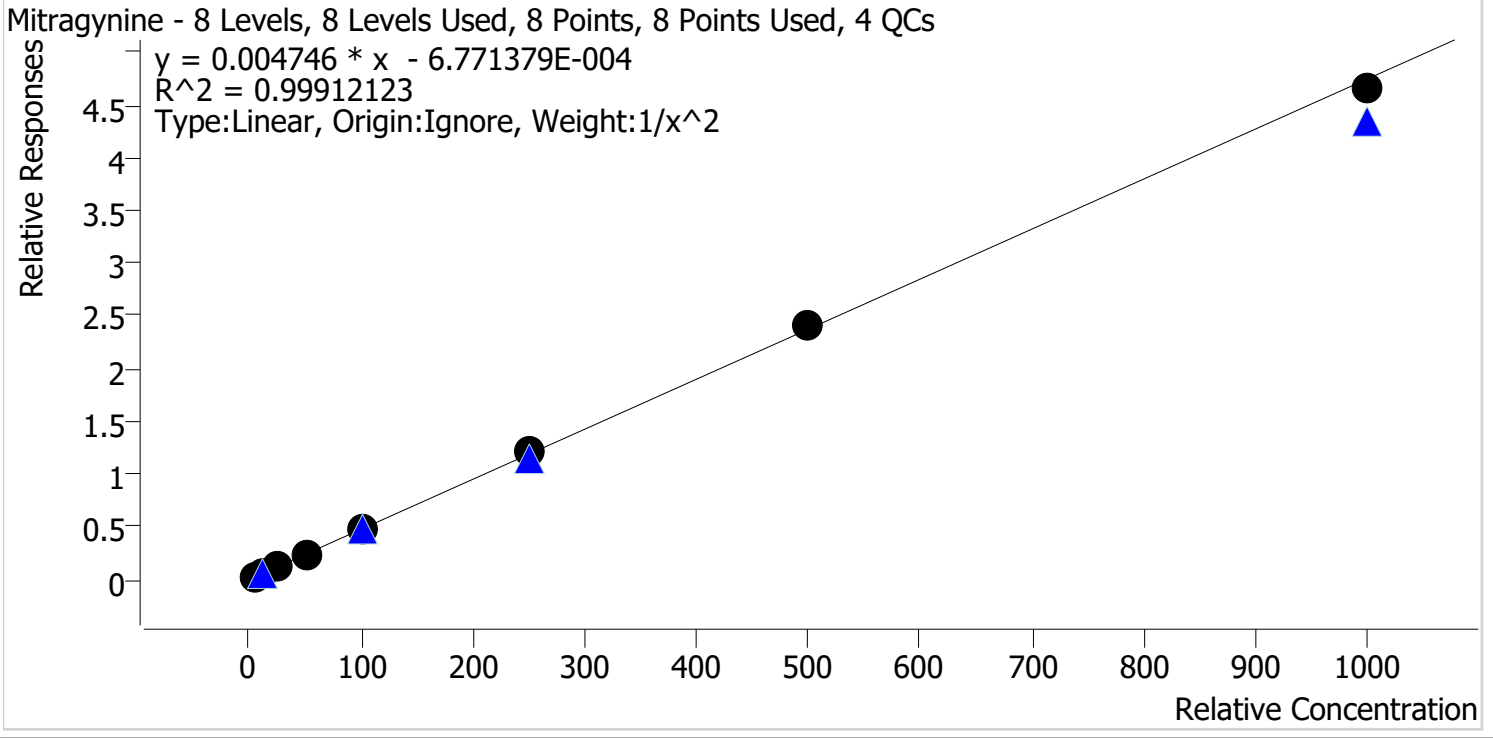
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ISP\Datastor

Mitragynine

Internal Standard

Methadone-D9

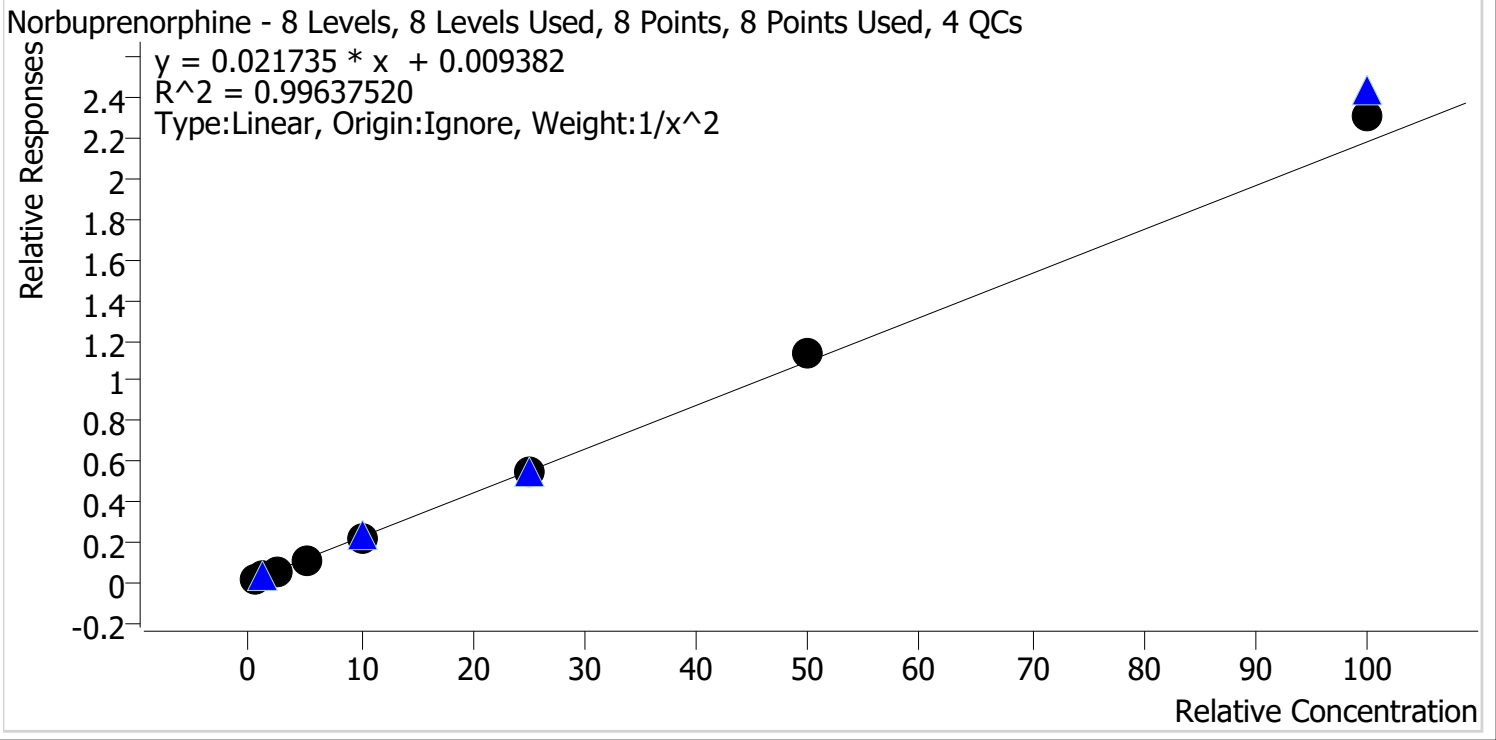


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	980.9	98.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.8
p1 Cal 2-10ng	2	✓	1.0	1.1	106.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.2
p1 Cal 4-50ng	4	✓	5.0	4.6	91.1
p1 Cal 5-100ng	5	✓	10.0	10.0	99.9
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	52.1	104.2
p1 Cal 8-1000ng	8	✓	100.0	105.9	105.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

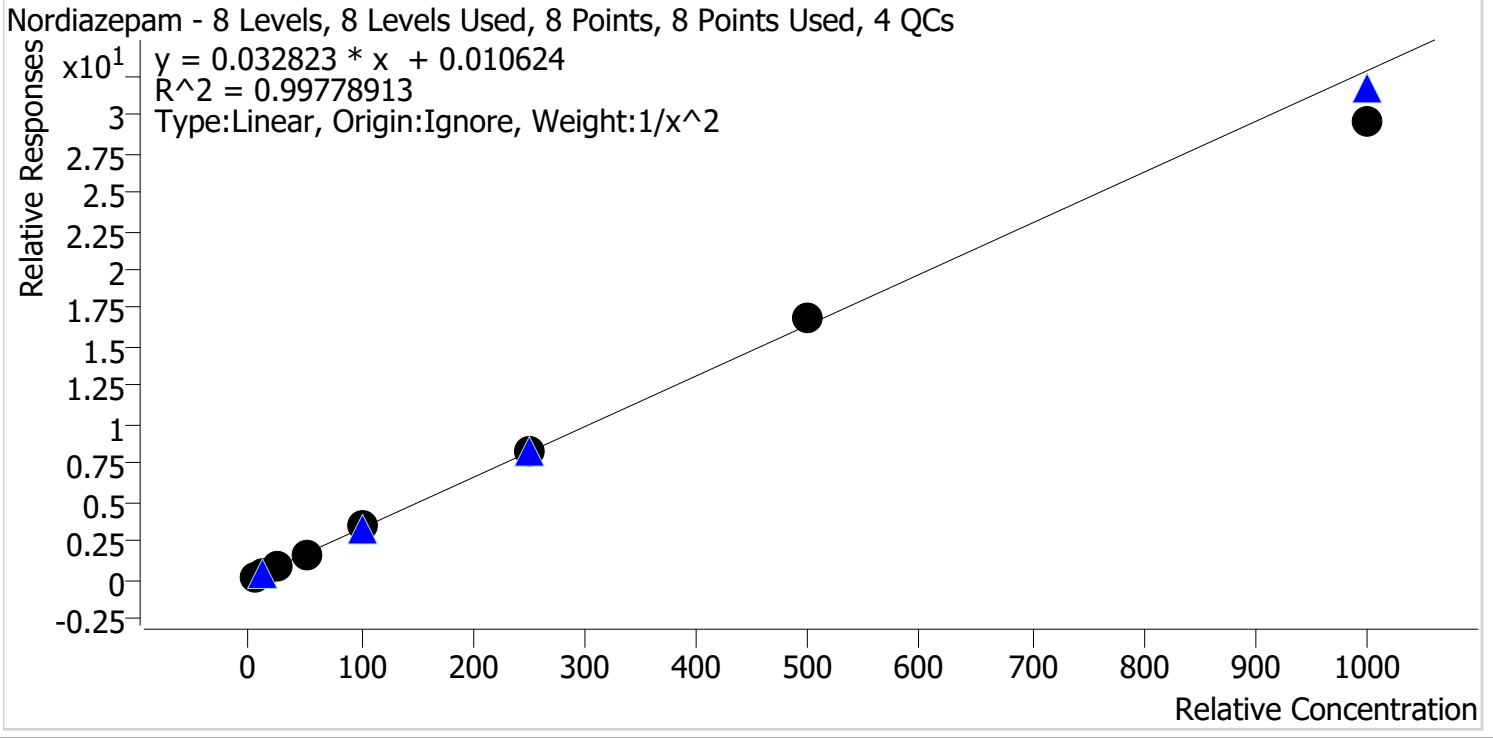
7/22/2024 12:36 PM

ISP\Datastor

Nordiazepam

Internal Standard

Nordiazepam-D5



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	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	903.7	90.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

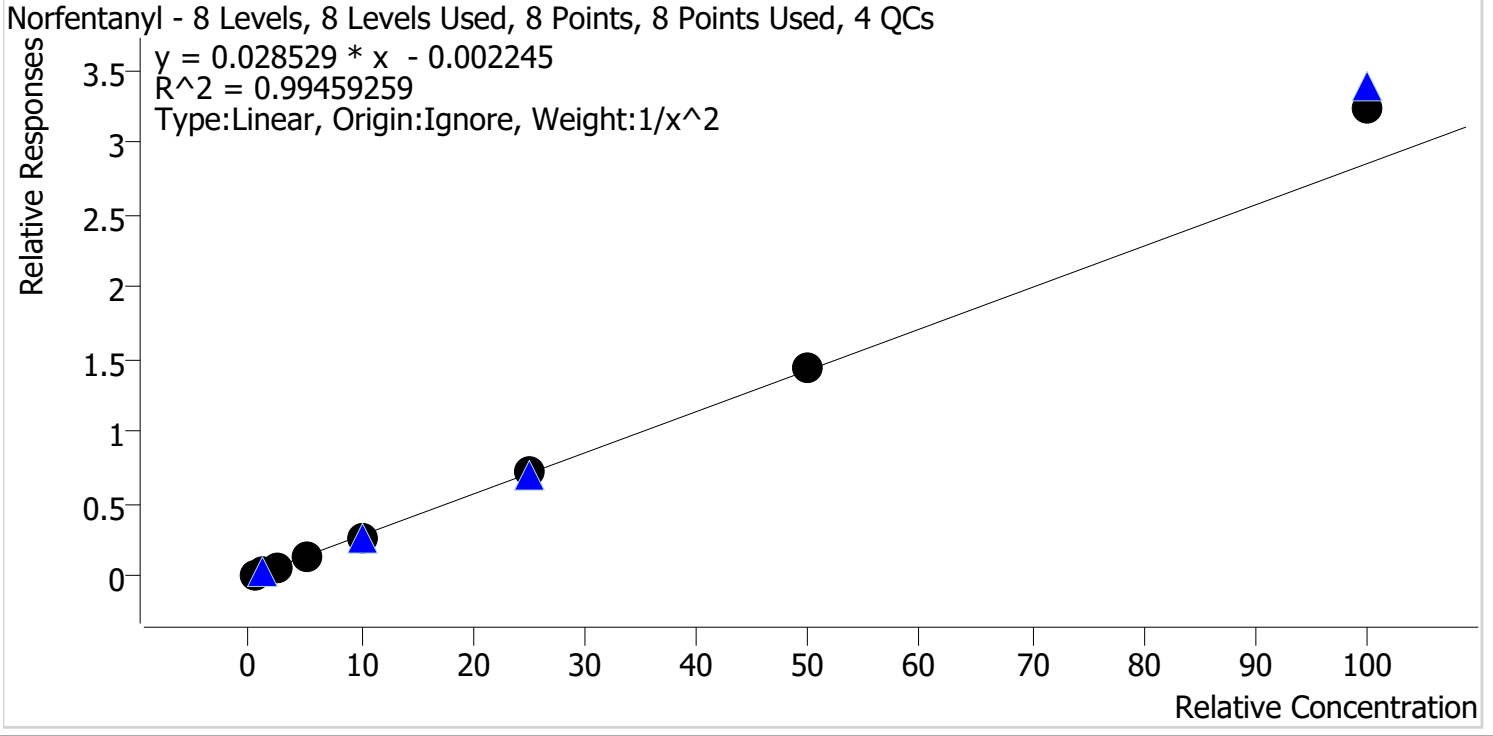
7/22/2024 12:36 PM

ISP\Datastor

Norfentanyl

Internal Standard

Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.3
p1 Cal 4-50ng	4	✓	5.0	4.8	95.6
p1 Cal 5-100ng	5	✓	10.0	9.6	96.3
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	50.4	100.7
p1 Cal 8-1000ng	8	✓	100.0	113.5	113.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

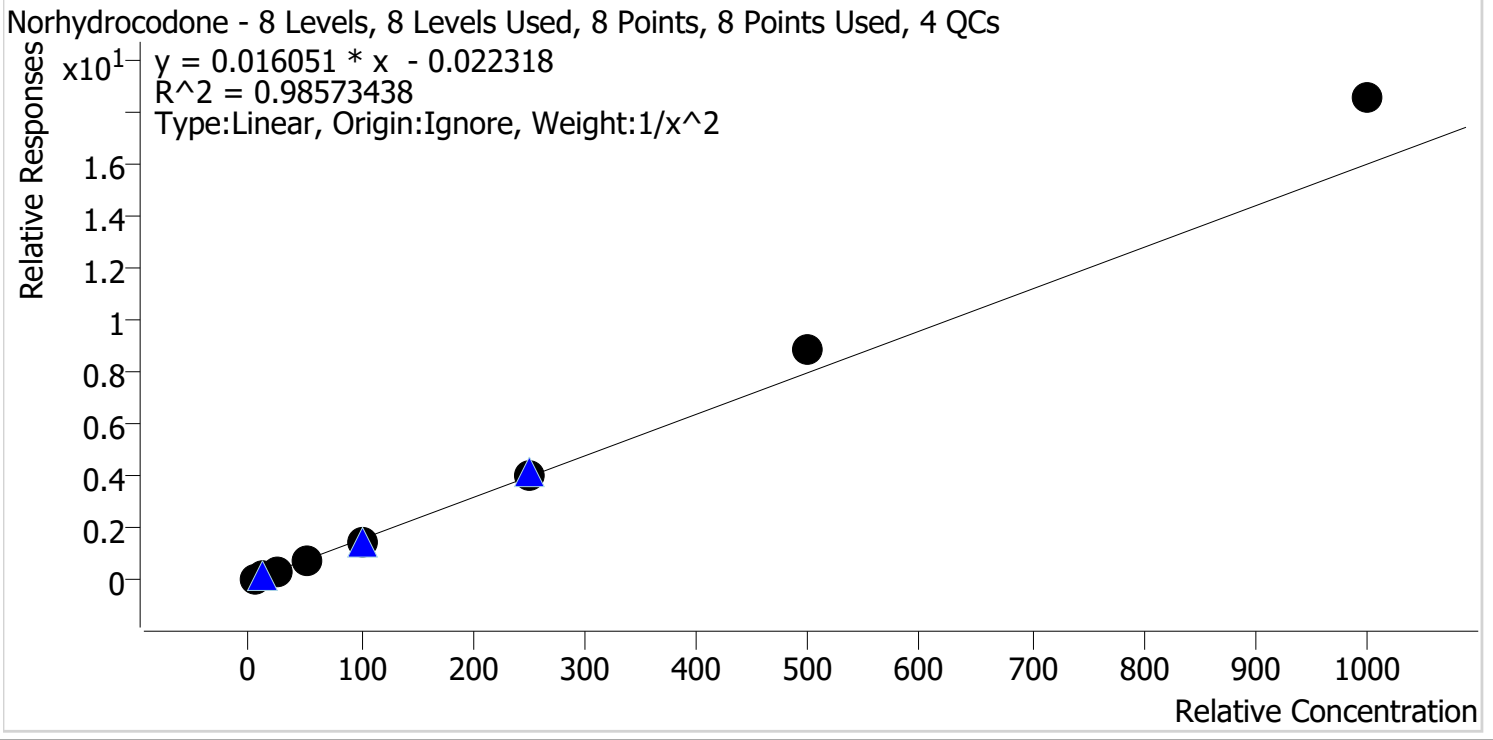
7/22/2024 12:36 PM

ISP\Datastor

Norhydrocodone

Internal Standard

Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.8
p1 Cal 2-10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	21.8	87.3
p1 Cal 4-50ng	4	✓	50.0	45.0	90.0
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	253.9	101.5
p1 Cal 7-500ng	7	✓	500.0	553.1	110.6
p1 Cal 8-1000ng	8	✓	1000.0	1162.4	116.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

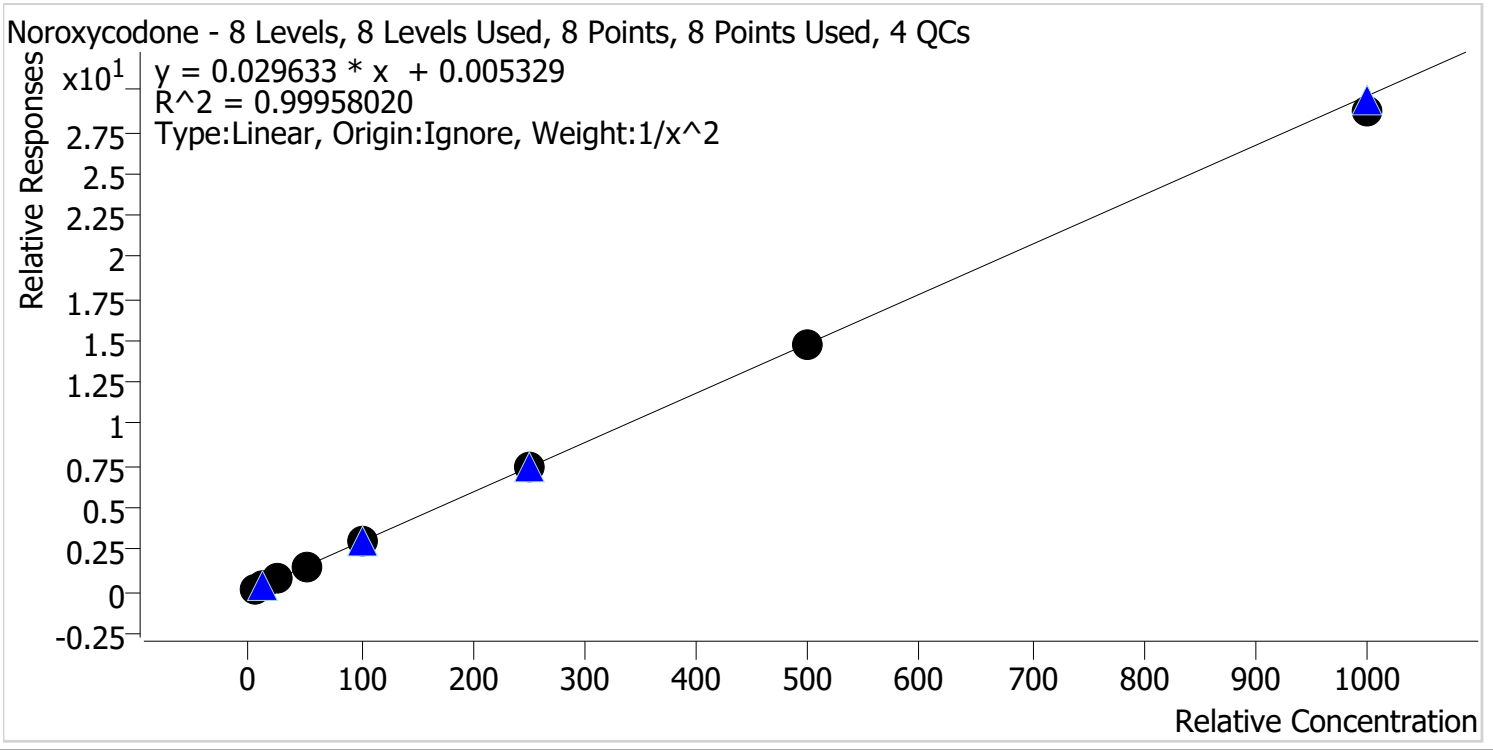
7/22/2024 12:36 PM

ISP\Datastor

Noroxycodone

Internal Standard

Noroxycodone-D3



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	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	494.2	98.8
p1 Cal 8-1000ng	8	✓	1000.0	969.4	96.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin

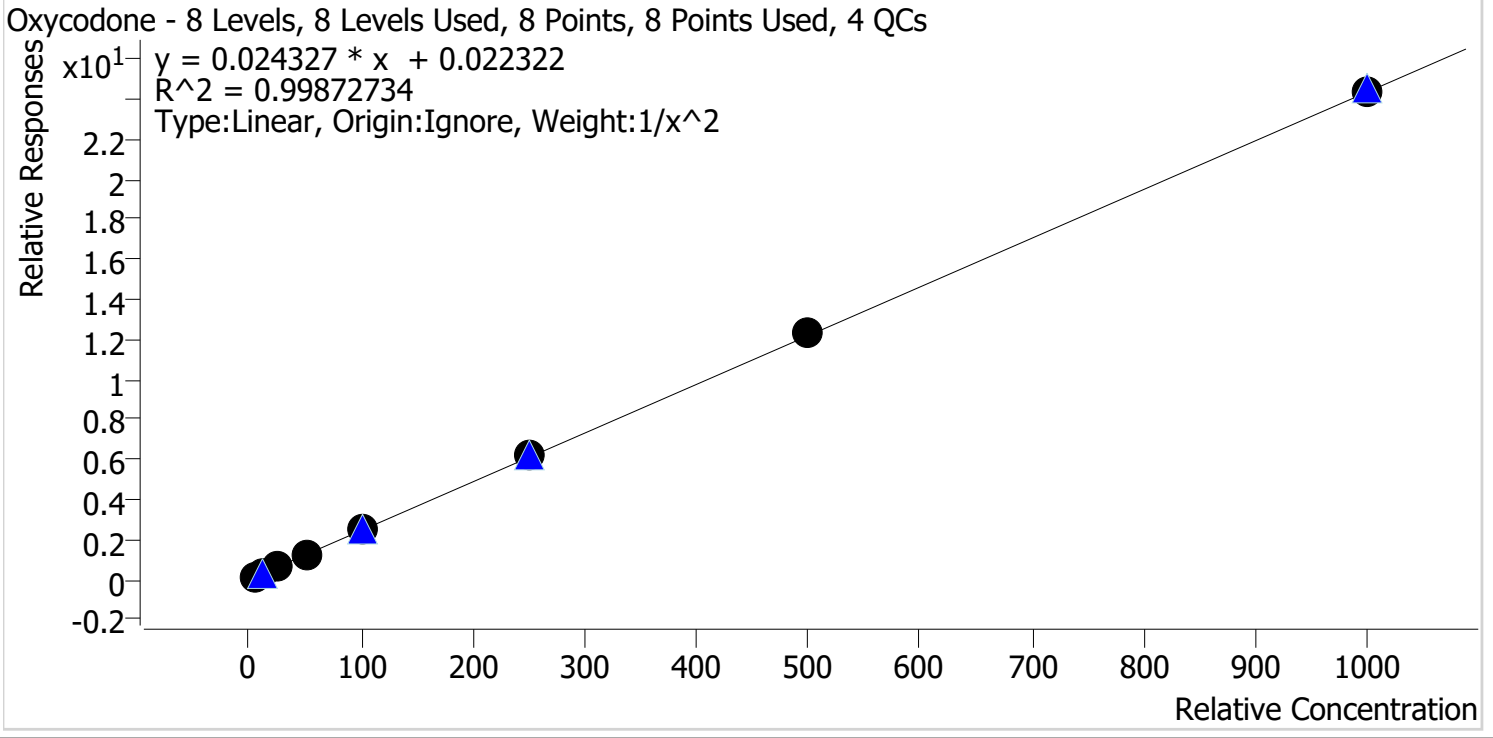
7/22/2024 12:36 PM

ISP\Datastor

Oxycodone

Internal Standard

Oxycodone-D6



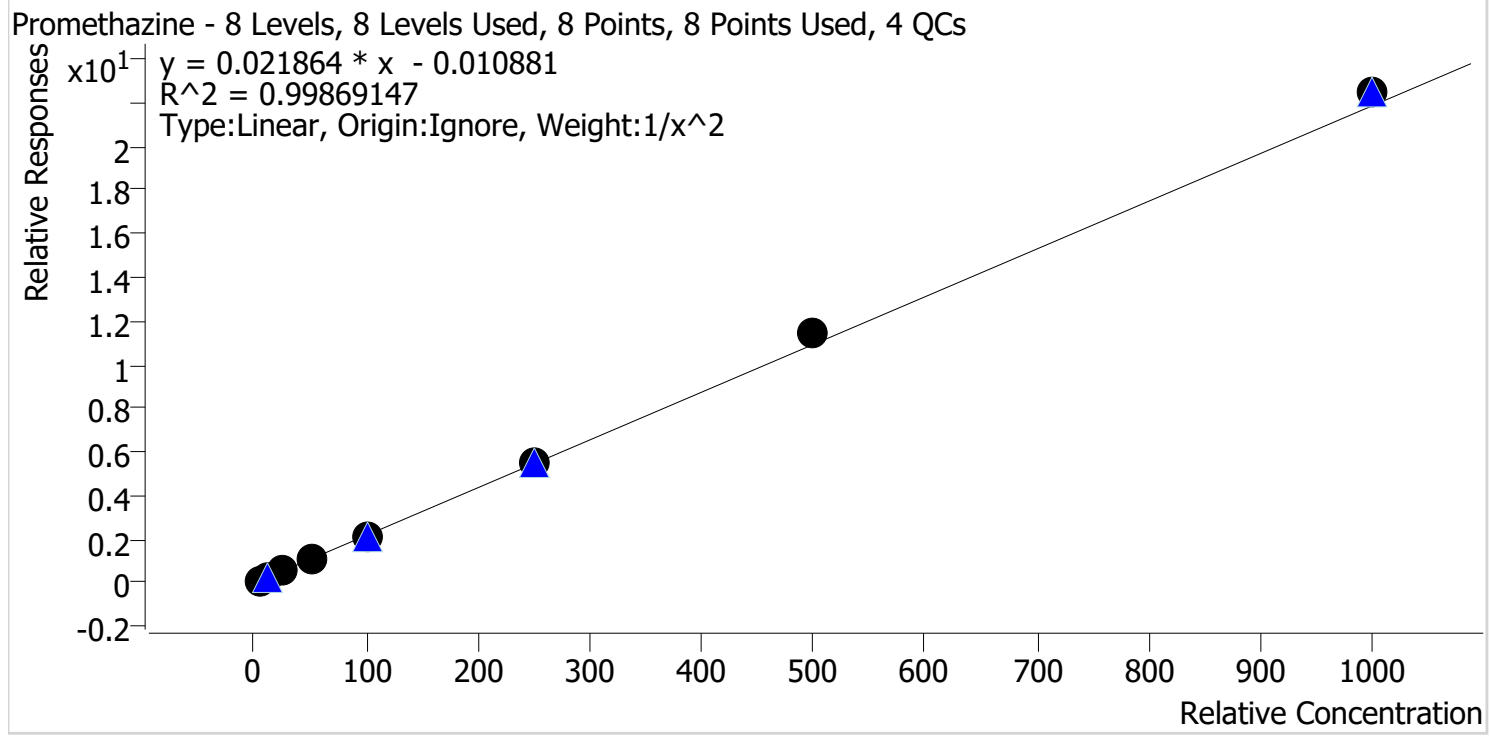
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.4	93.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1002.5	100.2

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



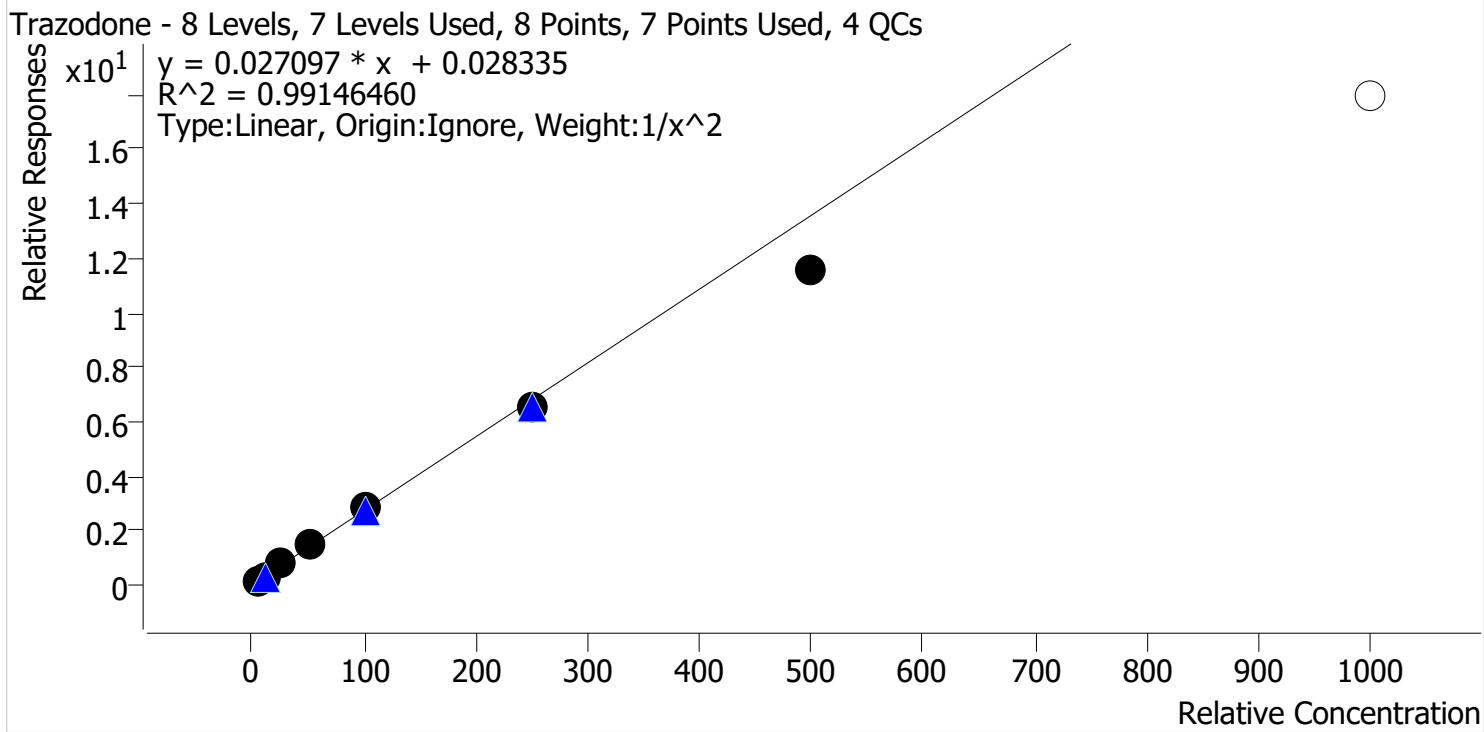
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	522.0	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1027.7	102.8

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
 Last Cal. Update 7/22/2024 12:36 PM
 Analyst Name ISP\Datastor
 Analyte Trazodone Internal Standard Trazodone-D6

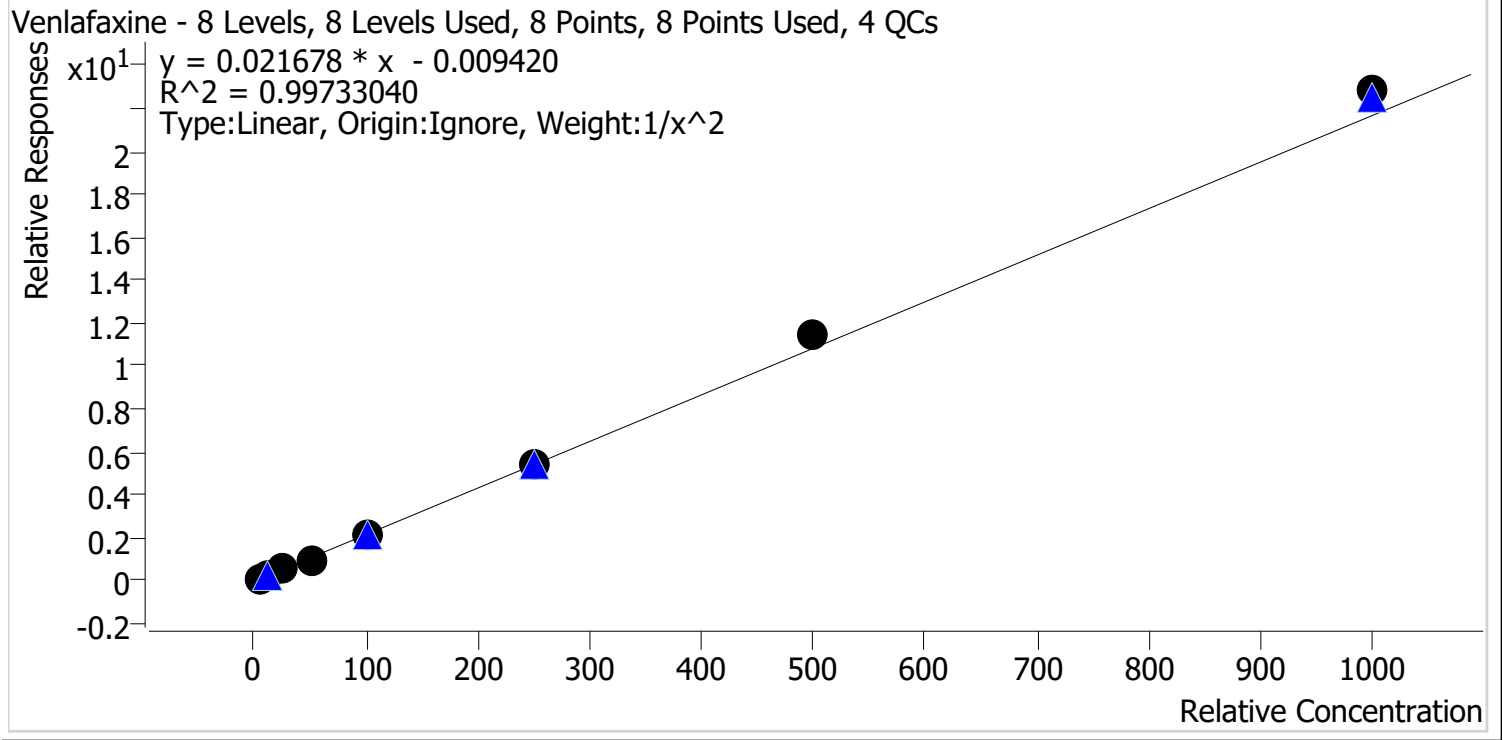


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	428.3	85.7
p1 Cal 8-1000ng	8	✗	1000.0	661.2	66.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 7/22/2024 12:36 PM
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	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	528.1	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1053.6	105.4

AM #28 Multi-Drug Quant. Results



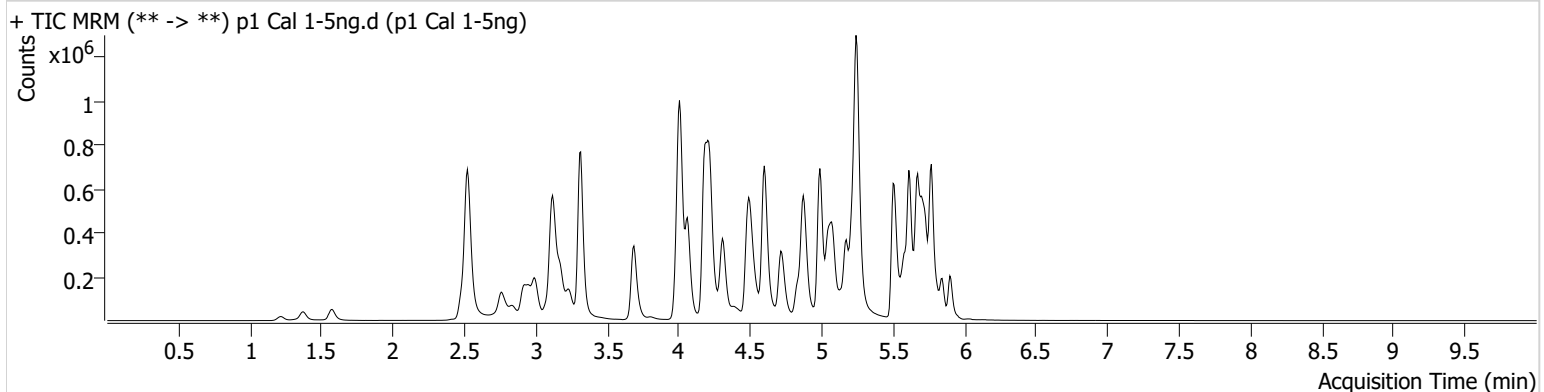
Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 7/20/2024 12:18:53 AM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator Celena Shrum
Comment

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	4.217	25324	125.84	75.8	625.04	199636	4.7053 ng/ml
9-hydroxyrisperidone	4.603	5710	149.03	3231.7	1182.07	1514042	4.9723 ng/ml
Alprazolam	5.734	60970	369.78	110.4	742.51	476387	5.0975 ng/ml
Amphetamine	2.999	210932	331.33	50.3	251.70	481178	4.7331 ng/ml
Benzoylcegonine	3.835	2789	61.06	32.2	9.58	18511	4.9697 ng/ml
Bromazolam	5.766	47997	35591.96	115.7	47711.37	238843	4.7838 ng/ml
Buprenorphine	5.833	2335	61.33	15.3	263.46	165037	0.4894 ng/ml
Bupropion	4.738	113475	656.62	61.3	872.11	734992	5.0455 ng/ml
Citalopram	5.173	84303	654.93	40.5	522.47	778283	5.1028 ng/ml
Clonazepam	5.570	63287	266.99	36.7	16316.37	169572	4.7329 ng/ml
Cocaine	4.216	82963	1711.53	51.4	13801.60	1341129	5.0664 ng/ml
Cyclobenzaprine	5.586	68910	662.88	8.7	199.21	453739	5.2233 ng/ml
Diazepam	5.906	41749	545.53	90.0	228.67	323170	5.0479 ng/ml
Diphenhydramine	5.251	243634	7644.84	31.7	1031.65	2673639	5.0938 ng/ml
EDDP	5.215	70697	184.03	42.2	607.82	661544	5.1008 ng/ml
Fentanyl	5.062	8308	29.90	83.7	456.57	887302	0.5150 ng/ml
Fluoxetine	5.666	59577	448.64	8.6	147.69	428574	5.0653 ng/ml
Hydrocodone	2.982	40519	225.22	35.6	105.27	359104	4.8891 ng/ml
Lamotrigine	4.225	70444	9931.10	85.1	3054.58	1942258	48.0446 ng/ml
Lorazepam	5.706	52526	278.18	48.1	59.17	613120	4.7459 ng/ml
Methadone	5.618	149428	3759.83	48.8	924.81	1109013	5.1259 ng/ml
Methamphetamine	3.175	393914	5095.13	37.7	222.11	1118074	4.9001 ng/ml
Metoprolol	4.272	22024	1325.00	103.5	655.04	1693225	4.7900 ng/ml
Mitragynine	5.191	26220	285.99	35.8	4038.69	1109013	5.1243 ng/ml
Norbuprenorphine	4.944	709	239.81	114.9	759.49	35262	0.4940 ng/ml
Nordiazepam	5.853	45830	1195.46	55.0	8309.39	264903	4.9472 ng/ml
Norfentanyl	4.028	17091	2483.11	38.9	29.88	1372905	0.5150 ng/ml
Norhydrocodone	3.016	7695	240.97	39.5	34.26	121414	5.3388 ng/ml
Noroxycodone	2.859	24785	153.43	47.9	16.44	163225	4.9445 ng/ml
o-desmethylvenlafaxine	4.013	159496	3750.12	29.1	375.14	388639	5.0929 ng/ml
Oxycodone	2.791	59815	920.86	27.9	207.40	403612	5.1744 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.509	102698	8906.42	30.3	151.73	1017220	5.1153 ng/ml
Pseudoephedrine	2.532	197345	5262.36	16.8	1151.72	1942258	5.0860 ng/ml
Trazodone	5.136	140558	146555.18	58.0	820.29	885948	4.8093 ng/ml
Venlafaxine	4.989	169346	5752.10	34.6	176.90	1652968	5.1604 ng/ml

AM #28 Multi-Drug Quant. Results



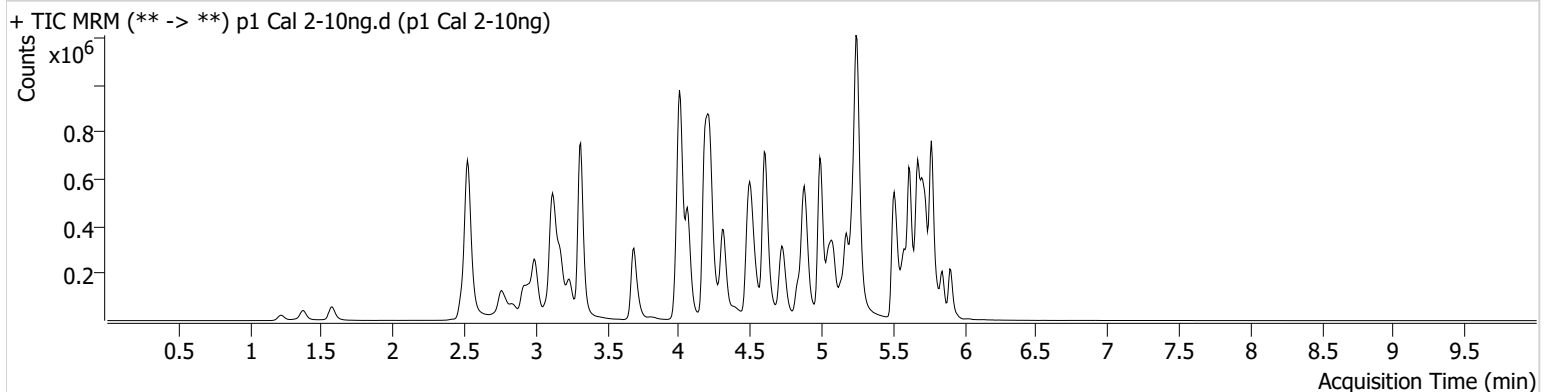
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B1
Injection Volume 2
Acq. Date-Time 7/20/2024 12:29:41 AM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Celena Shrum
Comment

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	4.217	37939	793.66	77.4	1008.48	153171	10.8904 ng/ml
9-hydroxyrisperidone	4.603	10371	6967.68	3068.7	789.05	1306506	10.1730 ng/ml
Alprazolam	5.734	107526	3132.83	110.0	2550.55	434522	9.7518 ng/ml
Amphetamine	2.999	359093	389.53	49.7	1887.14	435328	10.5740 ng/ml
Benzoylcegonine	3.835	4942	1414.08	36.8	43.47	16128	10.0333 ng/ml
Bromazolam	5.766	90062	1056.78	108.0	35663.23	215879	10.6461 ng/ml
Buprenorphine	5.833	3952	152.67	16.9	490.41	137778	1.0418 ng/ml
Bupropion	4.738	197143	631.22	62.0	278.35	653868	9.8789 ng/ml
Citalopram	5.173	146100	832.37	38.3	795.22	664687	9.8697 ng/ml
Clonazepam	5.570	127091	395.87	36.2	3995.93	162161	10.6405 ng/ml
Cocaine	4.216	150550	846.74	50.5	223.28	1191397	10.0075 ng/ml
Cyclobenzaprine	5.586	91305	91580.91	8.9	136.50	321688	9.4705 ng/ml
Diazepam	5.906	74046	455.85	90.6	545.17	301307	9.8346 ng/ml
Diphenhydramine	5.251	421887	105420.94	30.2	1237.72	2244093	9.8994 ng/ml
EDDP	5.222	122316	230.71	42.9	266.25	569463	9.8314 ng/ml
Fentanyl	5.062	11092	78.16	83.8	90650.51	630330	0.9544 ng/ml
Fluoxetine	5.673	68986	4143.12	8.5	6029.71	257905	9.8146 ng/ml
Hydrocodone	2.982	73272	93.73	34.5	52.28	321813	10.4095 ng/ml
Lamotrigine	4.225	119562	2146.52	79.1	1959.48	1715885	107.2016 ng/ml
Lorazepam	5.706	95065	377.14	51.8	245.79	563603	10.6645 ng/ml
Methadone	5.618	252585	4809.50	47.2	1656.26	935525	9.8572 ng/ml
Methamphetamine	3.175	488448	390.84	38.7	418.93	993391	10.1322 ng/ml
Mitoprolol	4.272	40097	16502.73	101.9	1721.77	1552653	10.4952 ng/ml
Mitragynine	5.198	41572	22230.01	35.0	144.29	935525	9.5056 ng/ml
Norbuprenorphine	4.944	1007	4884.48	100.6	2409.66	31066	1.0601 ng/ml
Nordiazepam	5.853	82199	548.27	55.6	2799.49	240610	10.0845 ng/ml
Norfentanyl	4.028	31278	540.00	36.3	124.55	1214466	0.9815 ng/ml
Norhydrocodone	3.016	13649	69.26	40.3	66.20	106570	9.3698 ng/ml
Noroxycodone	2.859	44483	909.11	47.5	293.69	145489	10.1381 ng/ml
o-desmethylvenlafaxine	4.013	280805	7893.86	28.6	759.85	344411	9.8857 ng/ml
Oxycodone	2.791	107527	519.98	28.0	415.03	430280	9.3551 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.509	142202	521.06	29.7	558.94	700881	9.7774 ng/ml
Pseudoephedrine	2.532	350254	13932.17	16.2	4321.42	1715885	9.9124 ng/ml
Trazodone	5.136	208280	42520.58	59.4	145.36	678312	10.2861 ng/ml
Venlafaxine	4.989	295241	598.17	34.3	462.54	1477294	9.6535 ng/ml

AM #28 Multi-Drug Quant. Results



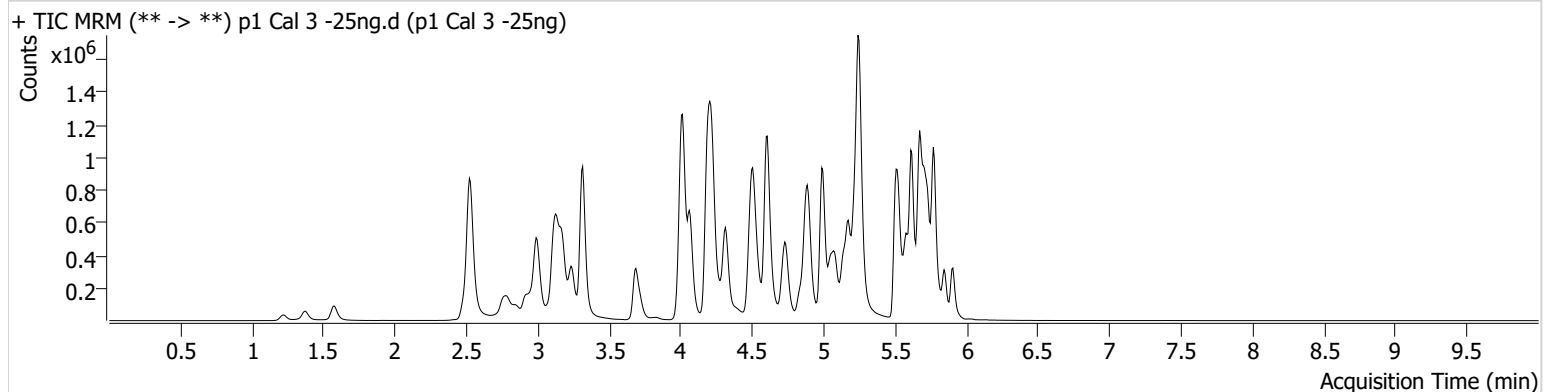
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C1
Injection Volume 2
Acq. Date-Time 7/20/2024 12:40:19 AM
Sample Info.

Data File p1 Cal 3 -25ng.d
Sample p1 Cal 3 -25ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	97857	113.02	80.6	118.90	170354	27.6145 ng/ml
9-hydroxyrisperidone	4.603	27188	1175.76	3082.9	3030.28	1373851	24.9653 ng/ml
Alprazolam	5.734	271694	3285.84	111.4	658.81	443574	23.9732 ng/ml
Amphetamine	2.999	848806	247.48	49.2	141.13	437184	27.4488 ng/ml
Benzoylcegonine	3.835	12698	330.99	34.0	64.46	16351	25.3159 ng/ml
Bromazepam	5.766	208925	250173.46	115.2	37019.50	212976	25.9309 ng/ml
Buprenorphine	5.833	10562	9251.15	14.2	1582.61	157408	2.5020 ng/ml
Bupropion	4.738	511111	3633.82	61.2	327.93	681462	24.6149 ng/ml
Citalopram	5.173	400306	822.24	39.3	225.93	732041	23.8530 ng/ml
Clonazepam	5.570	308122	3833.05	35.6	384.94	161690	26.7855 ng/ml
Cocaine	4.216	370182	349.81	50.6	881.31	1198809	23.9818 ng/ml
Cyclobenzaprine	5.586	296992	18151.54	8.9	223.85	420183	23.0846 ng/ml
Diazepam	5.906	185604	4719.43	93.5	1218.29	306310	24.6261 ng/ml
Diphenhydramine	5.251	1145755	412.91	30.9	370.13	2453078	23.7428 ng/ml
EDDP	5.215	321435	640.08	42.8	1564.98	592340	24.2024 ng/ml
Fentanyl	5.062	35458	115.03	80.0	102655.54	780541	2.4394 ng/ml
Fluoxetine	5.673	225552	569.67	8.4	274.17	337337	24.6431 ng/ml
Hydrocodone	2.982	174376	94.21	35.7	265.66	328133	25.0088 ng/ml
Lamotrigine	4.225	271371	1745.77	88.4	10637.69	1702977	265.9758 ng/ml
Lorazepam	5.706	222061	1859.93	52.0	214.82	552953	27.2725 ng/ml
Methadone	5.618	689064	1056.63	49.4	687.51	1059955	23.1532 ng/ml
Methamphetamine	3.175	938678	13350.15	37.8	5226.58	1017564	26.3024 ng/ml
Metoprolol	4.279	97626	1582.19	103.2	5378.39	1586914	26.3825 ng/ml
Mitragynine	5.198	123075	1654.28	35.2	1297.39	1059955	24.6080 ng/ml
Norbuprenorphine	4.944	2161	3555.65	88.7	1486.16	35369	2.3800 ng/ml
Nordiazepam	5.853	204359	8067.95	57.5	19061.31	240567	25.5570 ng/ml
Norfentanyl	4.035	75657	1132.22	37.9	199.06	1189837	2.3075 ng/ml
Norhydrocodone	3.016	34672	226.43	39.9	1134.10	105686	21.8299 ng/ml
Noroxycodone	2.859	107174	228.35	47.8	2885.35	141879	25.3121 ng/ml
o-desmethylvenlafaxine	4.013	682089	23824.72	29.4	1280.44	343604	23.7318 ng/ml
Oxycodone	2.791	263646	1189.83	28.1	537.08	427517	24.4330 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.509	456311	6484.53	30.1	753.50	896346	23.7817 ng/ml
Pseudoephedrine	2.532	855772	11714.58	16.4	17633.38	1702977	23.9602 ng/ml
Trazodone	5.136	614064	172.32	59.3	137.01	800488	27.2640 ng/ml
Venlafaxine	4.996	768285	1310.87	34.0	265.50	1516273	23.8077 ng/ml

AM #28 Multi-Drug Quant. Results



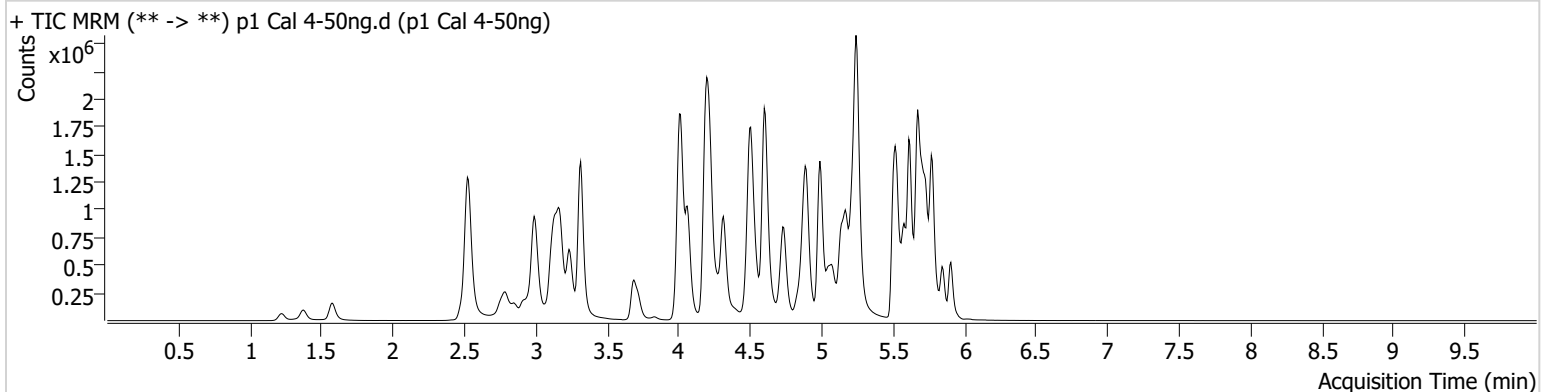
Batch results D:\MassHunter\Data\2024\AM 27 28\071924 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 7/20/2024 12:50:58 AM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	155278	∞	82.5	316.63	152750	50.2444 ng/ml
9-hydroxyrisperidone	4.603	58936	10832.60	3106.0	5296.34	1509493	48.9957 ng/ml
Alprazolam	5.728	586115	82393.11	106.9	698.37	459674	49.7843 ng/ml
Amphetamine	2.992	1775929	21639.26	48.1	7577.78	476078	54.4810 ng/ml
Benzoylcegonine	3.835	27451	840.37	37.5	301.10	17753	50.3373 ng/ml
Bromazolam	5.766	410281	387766.78	115.0	815552.38	213281	51.4876 ng/ml
Buprenorphine	5.833	22856	996.17	14.3	3412.85	174108	4.9412 ng/ml
Bupropion	4.738	1123517	1172.93	62.6	1816.07	743869	49.5961 ng/ml
Citalopram	5.173	833269	802.33	38.8	3203.69	754692	47.6813 ng/ml
Clonazepam	5.570	628971	6945.93	35.3	332.54	167721	53.3288 ng/ml
Cocaine	4.216	780165	16297.64	51.1	11997.65	1260408	47.7427 ng/ml
Cyclobenzaprine	5.586	646935	1436.99	8.3	7071.54	430527	48.6991 ng/ml
Diazepam	5.906	396499	1195.56	92.4	614.60	319426	50.7174 ng/ml
Diphenhydramine	5.251	2464787	848.19	30.3	338.33	2567824	48.1889 ng/ml
EDDP	5.215	671051	712.11	42.8	20937.07	618575	47.9674 ng/ml
Fentanyl	5.062	76974	3379.69	81.9	230.33	840830	4.9003 ng/ml
Fluoxetine	5.666	458517	873.87	8.4	412.65	344432	49.1371 ng/ml
Hydrocodone	2.975	367100	193.59	37.1	173.52	349658	49.9295 ng/ml
Lamotrigine	4.225	484761	6971.81	88.1	365.42	1834945	451.5941 ng/ml
Lorazepam	5.706	383989	6498.98	52.2	695.17	510841	52.2352 ng/ml
Methadone	5.618	1492091	1025.80	47.3	932.81	1091128	48.2481 ng/ml
Methamphetamine	3.175	1775682	265.47	37.5	390.41	1117712	51.3097 ng/ml
Metoprolol	4.272	211540	16483.98	104.8	1897.92	1744012	52.9884 ng/ml
Mitragynine	5.198	262626	244384.41	34.2	37020.18	1091128	50.8570 ng/ml
Norbuprenorphine	4.944	4240	5116.10	102.1	8213.74	39101	4.5570 ng/ml
Nordiazepam	5.853	418731	1543.44	57.4	12379.77	252113	50.2772 ng/ml
Norfentanyl	4.028	162236	252.86	37.6	209.72	1208995	4.7824 ng/ml
Norhydrocodone	3.016	80269	223.47	40.0	893.38	114609	45.0248 ng/ml
Noroxycodone	2.852	227955	1089.26	48.2	586.65	151928	50.4542 ng/ml
o-desmethylvenlafaxine	4.013	1464003	43204.30	29.0	388.12	361953	48.1104 ng/ml
Oxycodone	2.784	586668	1247.73	28.3	445.77	471444	50.2368 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	1029253	19969.98	29.3	415.16	976658	48.6983 ng/ml
Pseudoephedrine	2.532	1865288	91106.25	16.4	4224.44	1834945	48.1595 ng/ml
Trazodone	5.136	1295866	76836.06	61.6	1887463.04	883380	53.0907 ng/ml
Venlafaxine	4.989	1686165	2374.27	33.7	838.50	1654503	47.4462 ng/ml

AM #28 Multi-Drug Quant. Results



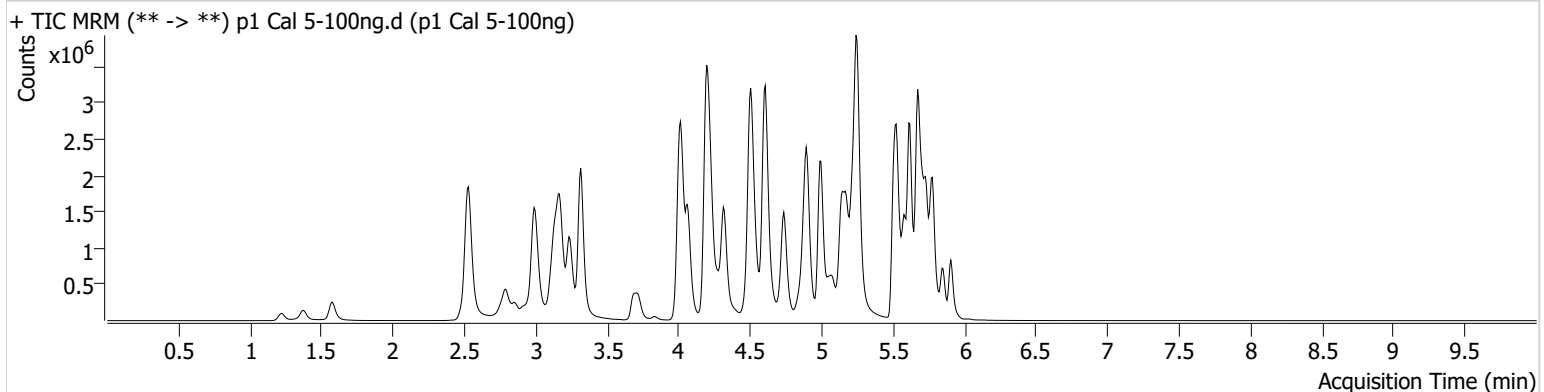
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 7/20/2024 1:01:36 AM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
Operator Celena Shrum
Comment

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	219880	903.87	84.9	1776.49	128137	86.0441 ng/ml
9-hydroxyrisperidone	4.603	115211	101719.75	3194.3	3869.29	1471859	97.9622 ng/ml
Alprazolam	5.734	1069222	2527.59	109.4	4763.25	410602	101.5569 ng/ml
Amphetamine	2.992	3045966	27288.39	48.4	16033.76	452399	99.8559 ng/ml
Benzoylcegonine	3.835	52831	1387.59	35.7	231.94	16629	103.3492 ng/ml
Bromazepam	5.773	672489	653029.17	118.8	486878.70	177010	102.3338 ng/ml
Buprenorphine	5.840	48536	29445.20	13.9	6365.16	179920	10.2049 ng/ml
Bupropion	4.738	2217674	183647.43	61.7	875.34	724299	100.5688 ng/ml
Citalopram	5.173	1722740	2263.97	38.2	811.82	759311	97.4817 ng/ml
Clonazepam	5.570	1033841	761873.11	35.4	2301.22	139055	106.3539 ng/ml
Cocaine	4.216	1443844	35534.22	50.3	491.40	1131322	98.0904 ng/ml
Cyclobenzaprine	5.586	1383479	767.68	8.2	560.96	456077	97.9680 ng/ml
Diazepam	5.906	734612	976.75	93.6	1580.05	300482	100.1403 ng/ml
Diphenhydramine	5.251	4880382	51139.57	30.2	576.03	2502046	97.3326 ng/ml
EDDP	5.215	1228584	500.98	42.8	3481.23	560515	96.4920 ng/ml
Fentanyl	5.062	161585	543.36	84.1	791.86	883669	9.7727 ng/ml
Fluoxetine	5.666	974442	2122.14	8.1	14779.35	357683	100.6344 ng/ml
Hydrocodone	2.975	729175	∞	35.5	269.93	333774	104.4728 ng/ml
Lamotrigine	4.232	739625	2040.67	88.3	1204.76	1688699	759.3323 ng/ml
Lorazepam	5.706	544762	18011.16	52.7	702.63	405860	94.3447 ng/ml
Methadone	5.618	3031841	3974.60	48.1	3267.30	1087087	97.9728 ng/ml
Methamphetamine	3.175	3243169	2490.30	37.8	306.13	1093843	102.9706 ng/ml
Metoprolol	4.279	391745	3720.73	103.5	4692.48	1659160	104.0920 ng/ml
Mitragynine	5.198	526145	2311.67	34.7	119429.16	1087087	102.1213 ng/ml
Norbuprenorphine	4.944	8797	377.90	93.5	2308.99	38828	9.9924 ng/ml
Nordiazepam	5.853	748228	3574.21	57.2	3490.32	222236	102.2503 ng/ml
Norfentanyl	4.028	282666	2115.15	38.0	868.75	1037601	9.6278 ng/ml
Norhydrocodone	3.016	157594	370.40	39.7	137.04	106294	93.7602 ng/ml
Noroxycodone	2.852	417583	781.77	47.4	1288.97	137421	102.3665 ng/ml
o-desmethylvenlafaxine	4.013	2743408	455776.70	28.4	5833.81	324358	100.3470 ng/ml
Oxycodone	2.784	1124977	1425.68	28.0	1491.00	449844	101.8844 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.509	2167025	37536.40	29.4	1327.35	1003079	99.3077 ng/ml
Pseudoephedrine	2.532	3461670	234944.38	16.4	45188.25	1688699	96.8087 ng/ml
Trazodone	5.143	2585169	215222.62	65.3	55215.01	915007	103.2200 ng/ml
Venlafaxine	4.996	3356394	3208.70	33.5	1721.05	1596390	97.4200 ng/ml

AM #28 Multi-Drug Quant. Results



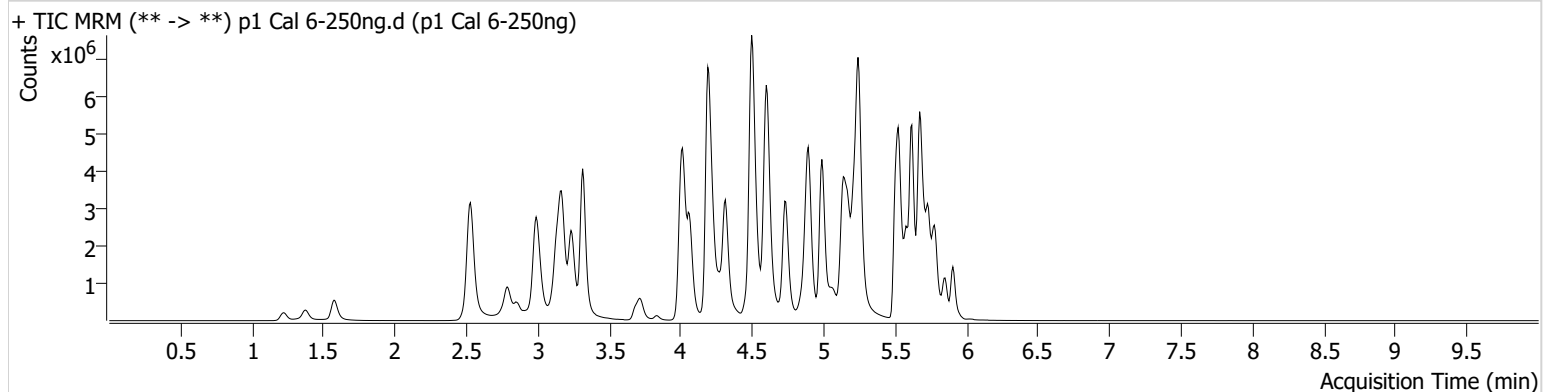
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 7/20/2024 1:12:14 AM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	251011	755.72	89.3	689.55	73367	173.3314 ng/ml
9-hydroxyrisperidone	4.603	257105	445.40	3351.9	9140.80	1282950	250.3875 ng/ml
Alprazolam	5.734	2093768	28554.09	108.3	4971.65	313842	260.0095 ng/ml
Amphetamine	2.992	5698513	1998.27	47.9	36721.19	421407	202.4608 ng/ml
Benzoylcegonine	3.835	141790	693.71	35.6	1527.93	18759	245.7690 ng/ml
Bromazolam	5.766	1136073	18667.20	118.8	2081710.54	122352	251.0667 ng/ml
Buprenorphine	5.840	116623	27642.16	14.4	17167.87	169497	26.1035 ng/ml
Bupropion	4.738	5320514	57807.27	61.8	46032.17	684311	255.4195 ng/ml
Citalopram	5.173	3674510	1158.77	38.5	2145.95	617818	254.7776 ng/ml
Clonazepam	5.570	1692515	14990.39	35.9	15430.49	103324	235.0920 ng/ml
Cocaine	4.216	2997862	2479.88	51.1	4799.57	950121	242.0250 ng/ml
Cyclobenzaprine	5.586	2942176	1327.25	8.0	956.65	382674	247.7928 ng/ml
Diazepam	5.906	1493812	1209.20	92.2	14319.27	243300	251.8797 ng/ml
Diphenhydramine	5.251	10915008	2978.77	29.8	1455.69	2102488	258.1012 ng/ml
EDDP	5.215	2714268	23334.81	42.0	834.02	486188	245.1216 ng/ml
Fentanyl	5.062	402872	21431.62	80.6	580461.82	853021	25.2168 ng/ml
Fluoxetine	5.673	1728121	29128.31	8.0	34657.49	250787	254.6536 ng/ml
Hydrocodone	2.975	1613419	813.07	38.4	421.91	312026	248.0056 ng/ml
Lamotrigine	4.225	1080956	26299.30	87.6	20445.49	1409658	1341.5770 ng/ml
Lorazepam	5.706	699666	11933.29	51.2	1021.92	218036	227.4488 ng/ml
Methadone	5.618	6895228	1645.28	47.7	2279.32	946237	255.3183 ng/ml
Methamphetamine	3.168	7197949	959.84	36.5	3136.63	1060280	246.5053 ng/ml
Metoprolol	4.272	800683	988978.13	104.5	4886.74	1450380	244.7145 ng/ml
Mitragynine	5.191	1135008	178267.82	34.7	3496.59	946237	252.8787 ng/ml
Norbuprenorphine	4.944	19130	20697.37	94.6	2504.54	34980	24.7293 ng/ml
Nordiazepam	5.853	1337554	1355.55	57.7	1028.51	159622	254.9681 ng/ml
Norfentanyl	4.028	517657	15711.28	38.1	2719.84	725085	25.1036 ng/ml
Norhydrocodone	3.016	381980	1121.54	40.8	245.18	94263	253.8543 ng/ml
Noroxycodone	2.859	913252	1110.97	48.6	1141.26	123912	248.5378 ng/ml
o-desmethylvenlafaxine	4.006	5495001	118398.81	28.1	5393.17	255845	254.4558 ng/ml
Oxycodone	2.784	2633413	3235.34	28.0	1138.84	422897	255.0615 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	4966205	2089.34	29.6	1089.53	901984	252.3222 ng/ml
Pseudoephedrine	2.532	7526769	2218.70	15.9	62708.01	1409658	251.6744 ng/ml
Trazodone	5.136	5772887	95930.08	66.6	76934.51	876183	242.1048 ng/ml
Venlafaxine	4.989	7990041	1972.27	31.8	1956.24	1451730	254.3191 ng/ml

AM #28 Multi-Drug Quant. Results



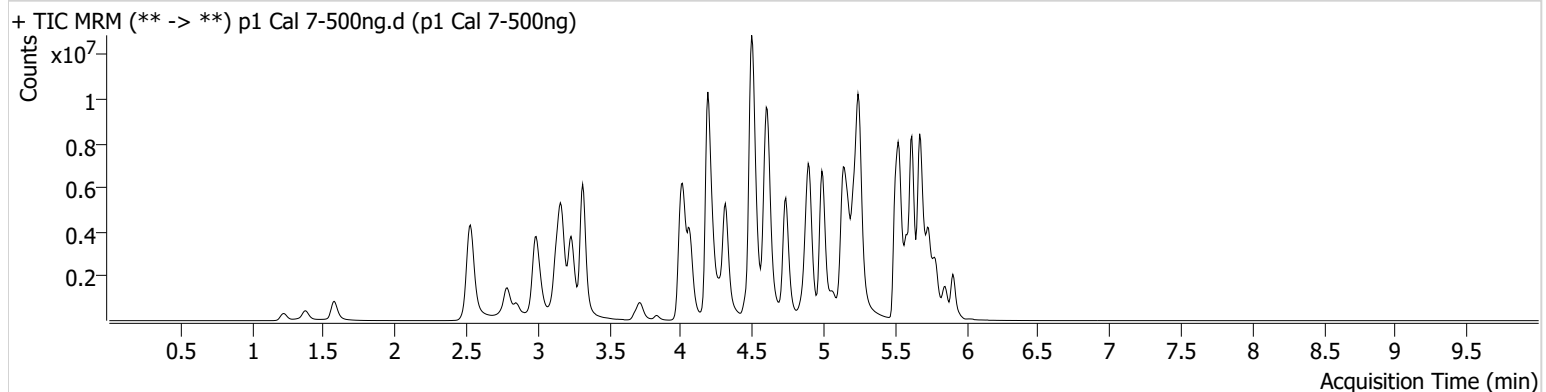
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 7/20/2024 1:22:53 AM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.223	270396	22.50	82.0	298.84	35690	385.9957 ng/ml
9-hydroxyrisperidone	4.603	424923	10276.61	3475.4	22773.33	1058189	501.4495 ng/ml
Alprazolam	5.734	3024727	911.26	106.4	3879.55	235865	499.6945 ng/ml
Amphetamine	2.992	7948222	168.52	48.1	103915.44	376445	317.1798 ng/ml
Benzoylcegonine	3.829	249301	4080.34	36.3	3010.52	16164	501.4391 ng/ml
Bromazolam	5.766	1494522	31878.63	117.8	131608.39	83747	483.1462 ng/ml
Buprenorphine	5.840	212342	502.71	14.9	96170.13	165561	48.6998 ng/ml
Bupropion	4.738	9596231	29533.10	61.1	46673.40	614616	512.9487 ng/ml
Citalopram	5.173	6049609	2192.99	37.3	2337.47	499293	518.5433 ng/ml
Clonazepam	5.563	1970994	∞	36.4	57035.09	66838	423.7359 ng/ml
Cocaine	4.216	4659169	401814.04	50.4	1000.98	717227	497.9395 ng/ml
Cyclobenzaprine	5.586	5319653	1104.73	7.8	1235.01	327694	522.8227 ng/ml
Diazepam	5.906	2378552	745.39	92.3	665.56	193670	504.0941 ng/ml
Diphenhydramine	5.251	17521944	5069.99	30.5	10698.57	1650617	527.1595 ng/ml
EDDP	5.215	5363004	∞	41.5	2734.21	448791	524.2078 ng/ml
Fentanyl	5.062	813727	434.14	80.7	814.92	845208	51.3881 ng/ml
Fluoxetine	5.673	2867725	385455.33	7.7	779755.11	210265	504.0955 ng/ml
Hydrocodone	2.975	2860173	704.54	36.8	820.50	275764	498.0005 ng/ml
Lamotrigine	4.232	1158981	7931.89	87.9	883.53	1077933	1887.5792 ng/ml
Lorazepam	5.706	766085	8088.94	50.6	1490.81	118201	460.7757 ng/ml
Methadone	5.618	12010051	60062.53	47.5	2033.21	785426	535.3098 ng/ml
Methamphetamine	3.168	12000709	66832.64	35.7	51852.63	969389	456.3737 ng/ml
Metoprolol	4.272	1183335	2411.50	103.9	146052.71	1225397	428.8157 ng/ml
Mitragynine	5.191	1880971	3404421.25	35.3	480185.42	785426	504.7402 ng/ml
Norbuprenorphine	4.944	35950	916.05	96.6	24768.97	31499	52.0773 ng/ml
Nordiazepam	5.853	1887304	1267.14	58.0	18224.83	111771	514.1108 ng/ml
Norfentanyl	4.035	658582	1233.73	38.7	2185.63	459038	50.3687 ng/ml
Norhydrocodone	3.009	624384	∞	41.8	200.47	70509	553.0928 ng/ml
Noroxycodone	2.852	1472656	4717.90	48.3	26866.50	100514	494.2490 ng/ml
o-desmethylvenlafaxine	4.006	8000520	87376.73	27.2	9389.53	181245	522.7183 ng/ml
Oxycodone	2.784	4658600	914.57	27.8	1235.72	380038	502.9875 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	9543997	5770.52	29.2	2484.89	837114	521.9542 ng/ml
Pseudoephedrine	2.532	11811666	199399.26	15.8	102201.19	1077933	516.1738 ng/ml
Trazodone	5.136	10165195	210504.65	69.0	146027.18	873808	428.2698 ng/ml
Venlafaxine	4.989	13949316	∞	31.5	2112.61	1219443	528.1068 ng/ml

AM #28 Multi-Drug Quant. Results



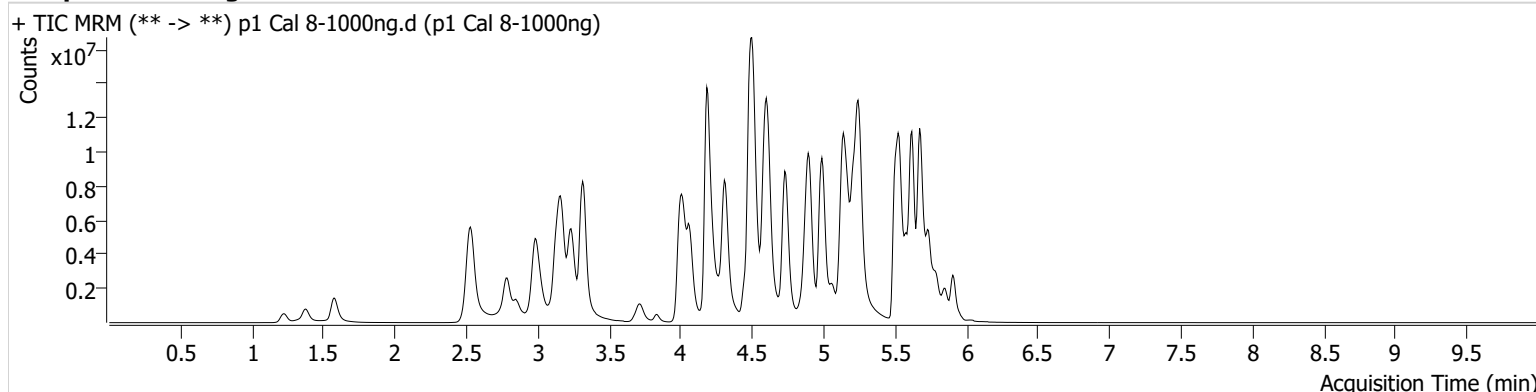
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Calibration Last Update 7/22/2024 12:36:31 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 7/20/2024 1:33:31 AM
Sample Info.

Data File p1 Cal 8-1000ng.d
Sample p1 Cal 8-1000ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.223	291484	1149.58	80.5	405.90	16358	910.2920 ng/ml
9-hydroxyrisperidone	4.603	667676	3945.37	3404.7	10727.11	812711	1025.6354 ng/ml
Alprazolam	5.734	4105734	529.60	103.9	683.31	160655	995.7056 ng/ml
Amphetamine	2.992	10423279	56849.40	48.2	147.27	335544	467.5422 ng/ml
Benzoylcegonine	3.829	531401	1532.39	36.2	1818.94	17923	963.8903 ng/ml
Bromazolam	5.766	1765914	5265.21	119.5	111865.00	52129	917.7358 ng/ml
Buprenorphine	5.833	423940	31057.86	14.0	67828.90	169197	95.1855 ng/ml
Bupropion	4.731	16691119	146380.89	61.2	5429.08	563454	973.2278 ng/ml
Citalopram	5.166	8579039	∞	36.3	5299.45	348283	1053.7057 ng/ml
Clonazepam	5.563	1862525	16181.69	36.6	52228.08	38622	693.3516 ng/ml
Cocaine	4.209	6911975	726.86	50.4	1063.65	469959	1126.9581 ng/ml
Cyclobenzaprine	5.586	7904929	87035.80	7.5	20299.71	232545	1094.4231 ng/ml
Diazepam	5.906	3551207	1227.09	90.8	885.86	147200	990.4676 ng/ml
Diphenhydramine	5.254	24436320	113318.78	32.9	64336.90	1191710	1017.7558 ng/ml
EDDP	5.215	10356934	∞	40.5	18545.30	422289	1075.4356 ng/ml
Fentanyl	5.062	1678846	3020.92	80.7	657167.01	856599	104.5957 ng/ml
Fluoxetine	5.673	3854690	68816.48	7.7	2966.36	141935	1003.8643 ng/ml
Hydrocodone	2.968	4988452	573.41	38.3	643.88	252375	949.5458 ng/ml
Lamotrigine	4.232	1180105	15890.87	89.7	27015.83	786800	2639.5470 ng/ml
Lorazepam	5.706	851397	14005.68	53.3	8189.00	56455	1073.9842 ng/ml
Methadone	5.618	17978687	3139406.04	50.7	2499.01	612979	1026.4026 ng/ml
Methamphetamine	3.161	18667414	67021.93	35.2	65544.64	919138	754.0453 ng/ml
Metoprolol	4.272	1593409	83826.30	103.3	5386.49	1044469	678.0210 ng/ml
Mitragynine	5.191	2853299	351.80	35.9	1075763.44	612979	980.9187 ng/ml
Norbuprenorphine	4.944	62805	14432.18	92.6	106383.95	27186	105.8569 ng/ml
Nordiazepam	5.853	2125596	6059.34	61.0	426.87	71635	903.6872 ng/ml
Norfentanyl	4.028	706969	7640.01	39.0	1646.07	218545	113.4699 ng/ml
Norhydrocodone	3.009	1030555	∞	42.5	2581.37	55303	1162.3656 ng/ml
Noroxycodone	2.852	2401386	1015.82	48.8	359.71	83580	969.4146 ng/ml
o-desmethylvenlafaxine	4.000	9942898	57224.85	27.6	1757.69	116017	1014.6388 ng/ml
Oxycodone	2.777	8817351	6374.62	27.7	2329.53	361231	1002.4810 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Promethazine	5.503	15979053	44200.98	29.6	2179.11	711494	1027.6905 ng/ml
Pseudoephedrine	2.532	17757470	209840.55	15.7	112072.80	786800	1062.8262 ng/ml
Trazodone	5.136	15978251	391935.46	71.5	340.92	890369	661.2261 ng/ml
Venlafaxine	4.992	22556144	∞	32.0	1925.71	987925	1053.6420 ng/ml