

Worklist: 5040

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-5173	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1933	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1565	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1592	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1603	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1605	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1612	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1614	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1833	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1866	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1869	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1902	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1903	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1927	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1928	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1930	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1931	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1932	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1941	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1948	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1951	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: 06/10/2021

Analyst: Tamara Salazar

Plate lot#: IDP-121 Lot #:201207

Plate Re-test Date: 06/07/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20723

Column: Agilent 120 EC-C18 (2.1x 100-2.7um) **LCMS-QQQ ID:** 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

Morphine used as a surrogate internal standard for hydromorphone. Hydromorphone reported qualitatively only.
Alprazolam used as a surrogate internal standard for alpha-hydroxyalprazolam. Alpha-hydroxyalprazolam reported qualitatively only.
QC100 reinjected due to wrong well position specified in the original injection.

Curves limited:

a-hydroxyalprazolam: 5-250 (qualitative only)--calibrator 7 and 8 dropped due to accuracy

alpha-PHP: 5-500--calibrator 8 dropped due to accuracy

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

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

Dihydrocodeine: 5-500--calibrator 8 due to accuracy

Lamotrigine: 5-250--calibrator 7 and 8 dropped due to accuracy

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

Lorazepam: 5-100--calibrator 6, 7, and 8 dropped due to accuracy

Meprobamate: 5-250--calibrator 7 and 8 dropped due to accuracy

Norbuprenorphine: 1-100--calibrator 1 dropped due to S/N

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

Fluoxetine reported qualitatively due to accuracy of QC 10 being outside of acceptable parameters

Sertraline reported qualitatively due to accuracy of QC 10 being outside of acceptable parameters.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-1933-1	P2021-1866-1	IS + Cal. 1	IS + QC_1	P2021-1951-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	P2021-1565-1	P2021-1869-1	IS + Cal. 2	IS + QC_2	P2021-1927-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2021-1592-1	P2021-1902-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2021-1603-1	P2021-1903-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2021-1605-1	IS + Sample	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2021-1612-1	P2021-1928-1	IS + Cal. 6	P2021-1932-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	External Control	P2021-1614-1	P2021-1930-1	IS + Cal. 7	P2021-1941-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2020-5173-1	P2021-1833-3	P2021-1931-1	IS + Cal. 8	P2021-1948-5	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution



Idaho State Police Forensic Services

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

Methanol External Control Solution (Lot: 120320)

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	197468	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	12/03/2020		
Prepared By:	Celena Shrum		
Expires:	07/31/2021		

Blood External Control Solution (Lot: WS060421)

*100 µL of methanol external control solution was added to 9900 µL of blood.
External control ran with worklist 5028 on 06/04/2021 to determine concentrations.
Approximately 85ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	20L20723
Methanol External Control Solution		120320
Prepared:	06/04/2021	
Prepared by:	Celena Shrum	
Expires:	07/31/2021	

TS

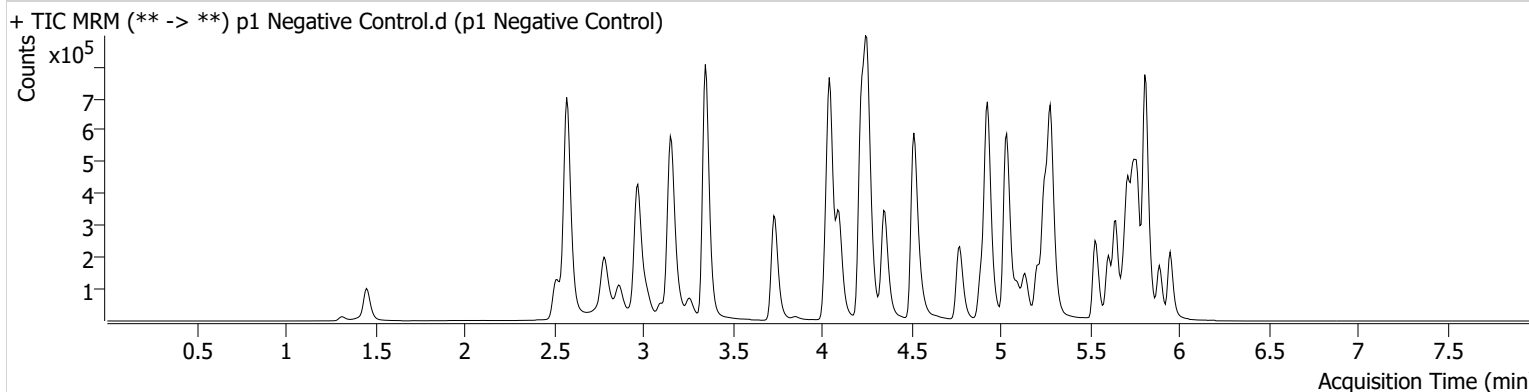


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

Instrument	Falco (069901)	Data File	p1 Negative Control.d
Type	Sample	Sample	p1 Negative Control
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2021 2:36:07 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluoxetine	5.700	11674	304.46	7.7	47.39	257714	2.0093 ng/ml <5
Sertraline	5.776	6583	100.23	91.7	70.37	157519	2.3552 ng/ml <5

TS

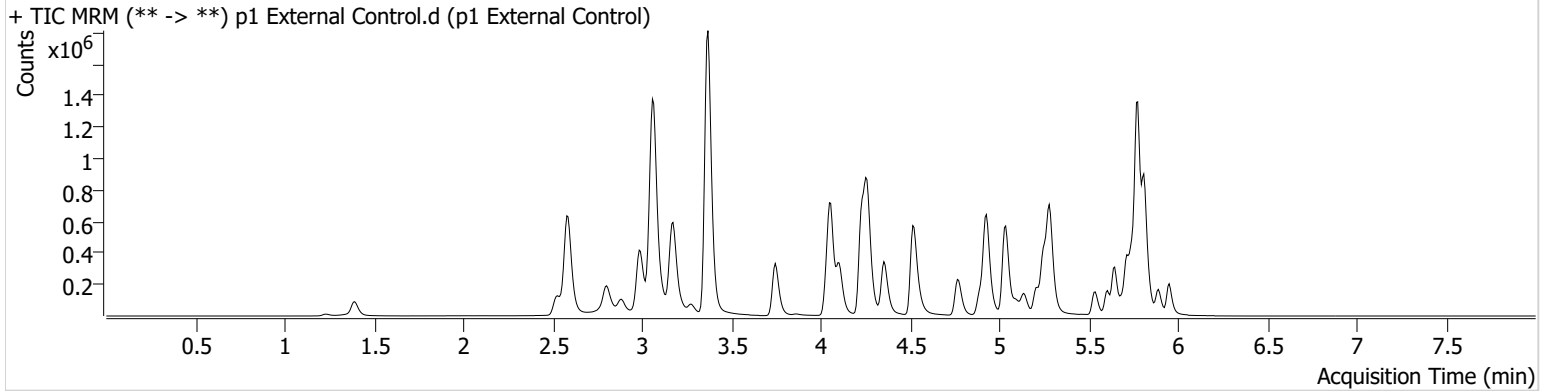


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

Instrument	Falco (069901)	Data File	p1 External Control.d
Type	Sample	Sample	p1 External Control
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-G2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2021 5:40:44 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.775	1157086	∞	113.7	∞	520551	80.0600 ng/ml
Amphetamine	3.063	2765636	41871.08	49.1	1842.68	406021	83.5380 ng/ml
O-desmethyl-tramadol	3.369	2711565	1500.06	6.8	1421.41	1998983	80.5206 ng/ml

TS

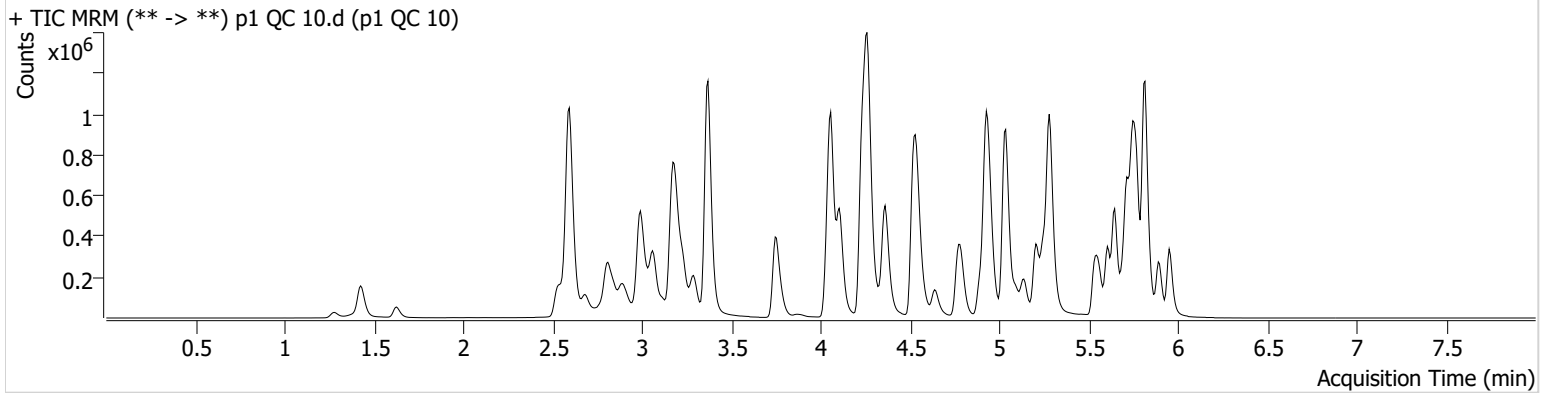


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/11/2021 1:21:46 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4667	1161.79	75.4	20.86	129357	0.9222 ng/ml
7-aminoclonazepam	4.271	110496	677.23	78.2	298.15	406683	10.1570 ng/ml
a-hydroxyalprazolam	5.692	57076	280.53	61.0	631.11	679737	10.0316 ng/ml
alpha-PHP	4.937	60184	936.84	267.8	628.82	1093586	10.1202 ng/ml
alpha-PVP	4.370	244510	8377.08	52.6	323.71	1093586	9.8529 ng/ml
Alprazolam	5.775	176527	976.45	115.7	1089.59	679737	9.6780 ng/ml
Amphetamine	3.069	484212	1183.78	48.4	396.22	520991	10.5783 ng/ml
Benzoylcegonine	3.892	6619	245.66	9.4	∞	23543	10.0265 ng/ml
Buprenorphine	5.901	3460	863.59	16.0	1360.89	128166	1.0047 ng/ml
Bupropion	4.795	221653	10972.81	61.6	3071.88	808591	9.7650 ng/ml
Carisoprodol	5.724	169743	416440.27	57.9	62.03	893726	9.4384 ng/ml
Citalopram	5.212	124043	582.43	43.2	42410.54	583495	9.8349 ng/ml
Clonazepam	5.612	206646	∞	33.9	346844.00	253875	9.8955 ng/ml
Clonazepam	5.549	138481	2006.52	38.2	64662.54	253875	9.4559 ng/ml
Cocaine	4.264	199816	4780.95	53.4	6409.03	1962971	9.6550 ng/ml
Codeine	2.587	26749	758.79	96.8	1618.92	131274	10.5217 ng/ml
Cyclobenzaprine	5.615	36227	3134.73	10.2	56.64	137789	11.0360 ng/ml
Dextromethorphan	5.255	59147	562.09	79.0	584.03	273697	10.5303 ng/ml
Dextrophan	4.111	75496	376.96	204.8	79407.63	916796	9.9500 ng/ml
Diazepam	5.960	109569	1888.41	86.3	797.88	514410	9.9266 ng/ml
Dihydrocodeine	2.565	65194	296.13	64.8	741.52	385764	10.3383 ng/ml
Diphenhydramine	5.282	312056	211.05	33.3	115.29	1903473	9.8127 ng/ml
Doxylamine	4.543	495413	3426.39	97.2	8656.20	2205900	9.9428 ng/ml
EDDP	5.248	68903	120.36	43.5	314.69	377338	9.7638 ng/ml
Etizolam	5.813	108123	4887.69	25.8	47833.00	253875	9.4206 ng/ml
Fentanyl	5.109	5843	142.42	63.5	5614.72	242452	1.1448 ng/ml
Flualprazolam	5.705	90545	1126.89	92.6	1936.40	679737	9.9991 ng/ml
Fluoxetine	5.700	31356	562.92	9.9	308.18	92768	13.9296 ng/ml
Hydrocodone	3.018	99343	115.65	37.4	∞	1143132	10.3026 ng/ml
Hydromorphone	1.628	88866	615.43	77.9	86774.89	13578	10.3667 ng/ml
Ketamine	4.059	193629	318.73	36.3	310.34	938910	9.8208 ng/ml
Lamotrigine	4.280	18373	120.18	76.7	2466.12	938910	10.4144 ng/ml
Levetiracetam	2.683	81919	369.57	160.2	420.75	2482065	9.4213 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	198881	1903.95	56.8	131.19	253875	10.1139 ng/ml
MDA	3.203	318893	1690.67	25.6	488.83	863840	10.1035 ng/ml
MDMA	3.296	186897	936.23	79.5	1538.45	179979	10.0026 ng/ml
Meprobamate	4.917	103028	663768.48	27.4	343.60	482718	10.3421 ng/ml
Methadone	5.646	187350	304.71	46.5	150.37	833170	10.3001 ng/ml
Methamphetamine	3.231	360504	531.12	38.1	250.64	1339108	10.1454 ng/ml
Metoprolol	4.326	50390	2126.45	92.4	1214.70	2171117	10.4940 ng/ml
Mirtazapine	4.637	214620	1197.74	50.2	3392.47	1093586	9.6073 ng/ml
Mitragynine	5.237	27445	111.85	40.8	366.61	833170	9.4142 ng/ml
Morphine	1.281	12379	1634.23	33.2	230.75	13578	9.8007 ng/ml
Norbuprenorphine	4.979	421	990.90	116.2	∞	21703	0.8622 ng/ml
Nordiazepam	5.900	111349	915.13	56.1	250.63	386717	9.7007 ng/ml
Norfentanyl	4.079	41392	1474.80	35.6	18.29	1837981	0.9574 ng/ml
Norhydrocodone	3.066	16699	60.14	45.3	55.26	154466	9.5832 ng/ml
Noroxycodone	2.909	111615	605.60	41.5	340.67	385898	10.0611 ng/ml
O-desmethyl-tramadol	3.369	413649	4187.89	6.7	2265.66	2629733	9.5493 ng/ml
Oxazepam	5.756	231070	1393.60	71.8	692.42	915723	9.9361 ng/ml
Oxycodone	2.841	198274	1202.51	26.9	780.89	888459	9.8399 ng/ml
Oxymorphone	1.432	104988	247.06	42.0	229.33	371613	10.3022 ng/ml
Phentermine	3.783	96762	335.54	4.7	21.00	1104948	10.1325 ng/ml
Promethazine	5.532	79319	246.03	28.1	61.58	308062	11.0238 ng/ml
Pseudoephedrine	2.603	487652	4890.28	16.9	3909.56	2482065	9.3231 ng/ml
Quetiapine	5.562	149969	40118.34	56.8	128.06	206628	9.7218 ng/ml
Sertraline	5.776	12515	134.19	98.6	247.48	40153	14.8511 ng/ml
Temazepam	5.816	381905	1250.80	28.5	348.69	1886210	9.7902 ng/ml
Tramadol	4.246	441114	597.82	3.5	274.86	2171117	9.9871 ng/ml
Trazodone	5.196	105905	2734.56	82.2	177.37	446452	10.1176 ng/ml
Venlafaxine	5.037	380874	901.38	37.9	671.29	1949919	9.8967 ng/ml
Zolpidem	4.948	433962	4332.20	31.2	2150.60	2184985	9.6555 ng/ml

TS



AM #28 Multi-Drug Quant. Results

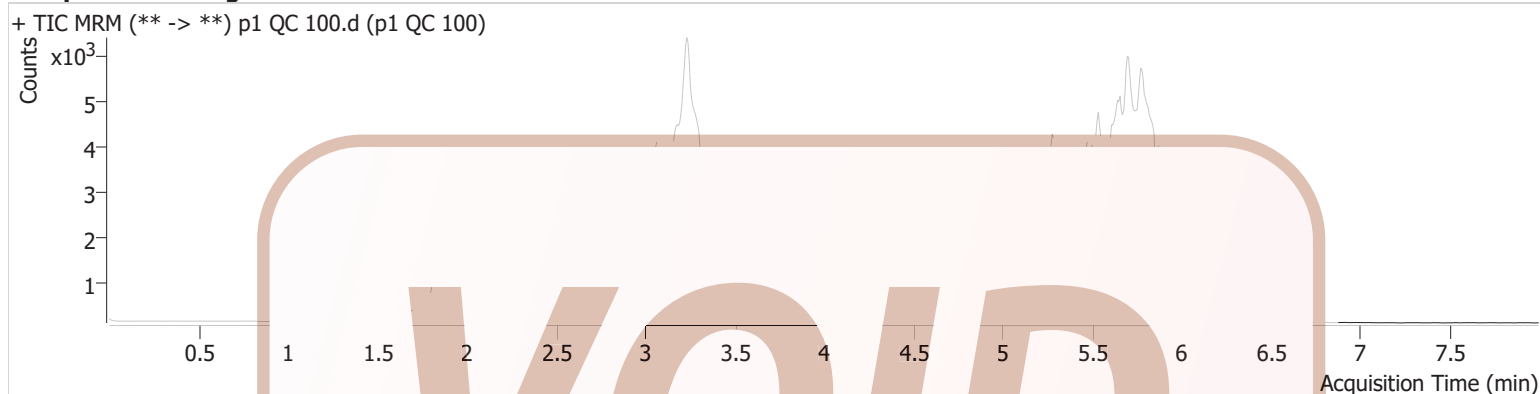
Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/15/2021 8:31:42 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G11
Injection Volume 2
Acq. Date-Time 6/11/2021 2:29:40 PM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator Tamara Salazar
Comment

Wrong sample position specified in initial injection. Sample was reinjected with correct well position specified.

Sample Chromatogram



TS

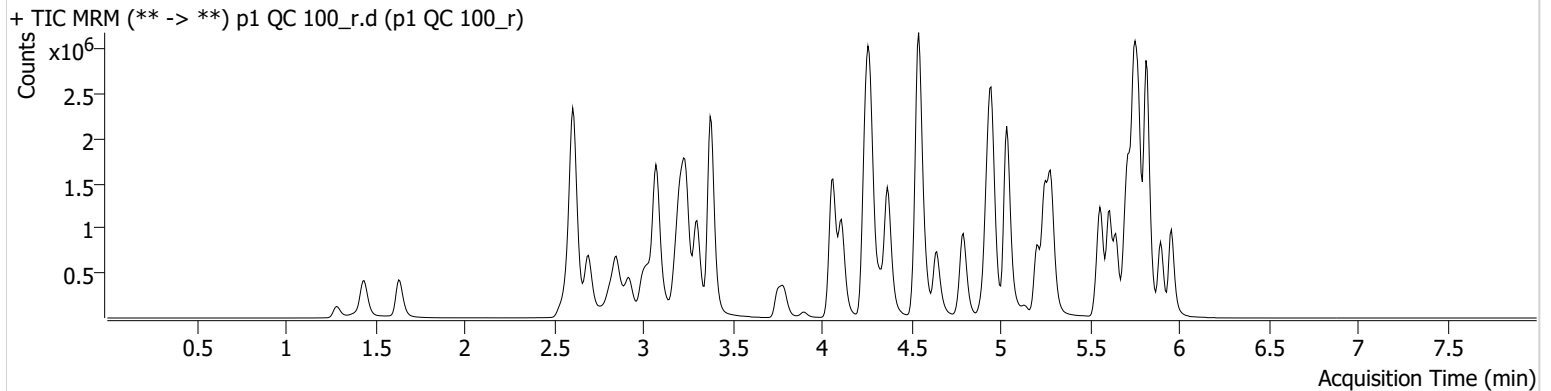


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

Instrument	Falco (069901)	Data File	p1 QC 100_r.d
Type	QC	Sample	p1 QC 100_r
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2021 3:04:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	42895	1197.44	68.7	4178.21	107134	10.3405 ng/ml
7-aminoclonazepam	4.278	777298	15968.34	79.1	29003.89	277237	102.9265 ng/ml
a-hydroxyalprazolam	5.692	442775	853.72	58.8	711.56	505798	112.8305 ng/ml
alpha-PPH	4.937	432133	4513.00	266.9	44420.38	858351	98.2515 ng/ml
alpha-PVP	4.370	2000422	1122.11	52.2	27047.58	858351	99.7840 ng/ml
Alprazolam	5.775	1489056	4639.86	112.7	1420.51	505798	105.9155 ng/ml
Amphetamine	3.076	3344276	41051.46	48.9	1341.12	373470	110.1194 ng/ml
Benzoylcegonine	3.899	68190	2113.46	7.7	9842.66	20274	115.2919 ng/ml
Buprenorphine	5.900	16644	12791.85	14.4	2259.62	59907	9.9418 ng/ml
Bupropion	4.795	1430496	1842.22	61.3	∞	497940	100.9319 ng/ml
Carisoprodol	5.724	1290929	4002322.11	56.0	635.55	630642	98.4997 ng/ml
Citalopram	5.212	637684	1064.27	42.6	460.50	289214	98.6930 ng/ml
Clonazepam	5.612	1703326	1225.40	31.6	1640.36	193697	111.1516 ng/ml
Clonazepam	5.548	1147895	350864.52	37.5	225066.74	193697	103.9821 ng/ml
Cocaine	4.264	1660555	24131.71	52.1	739.07	1489786	102.6771 ng/ml
Codeine	2.593	211401	338.93	97.8	1539.12	105170	111.3739 ng/ml
Cyclobenzaprine	5.615	120291	249958.04	8.9	62.29	50713	95.8330 ng/ml
Dextromethorphan	5.262	261113	292.92	79.7	2960.58	123529	100.1273 ng/ml
Dextrophan	4.111	570429	29313.70	205.2	32073.87	664178	100.7665 ng/ml
Diazepam	5.960	929914	11157.35	88.7	6313.46	421110	103.2300 ng/ml
Dihydrocodeine	2.572	563954	∞	65.4	18072.38	333334	109.0318 ng/ml
Diphenhydramine	5.289	1642319	747.31	33.1	23141.25	977690	96.5992 ng/ml
Doxylamine	4.543	4244928	49756.31	97.1	33029.42	1745956	107.5866 ng/ml
EDDP	5.254	1516533	53258.24	42.9	1115.31	772752	100.3517 ng/ml
Etizolam	5.813	888995	59802.03	25.0	50013.07	193697	95.1965 ng/ml
Fentanyl	5.109	19951	291.59	70.0	22333.48	101837	9.3079 ng/ml
Flualprazolam	5.705	684206	6986.20	98.4	1117158.25	505798	104.2582 ng/ml
Fluoxetine	5.707	69955	139040.62	8.9	161.99	29913	95.4046 ng/ml
Hydrocodone	3.025	807180	1039.01	39.0	573.20	940449	107.1283 ng/ml
Hydromorphone	1.635	745234	580.26	77.1	9749.32	11473	105.7411 ng/ml
Ketamine	4.059	1618856	76739.15	37.6	995.64	767138	102.8197 ng/ml
Lamotrigine	4.287	147669	1591.14	80.3	5753.92	767138	105.1672 ng/ml
Levetiracetam	2.697	693599	5441.22	164.7	1367.30	1948095	96.5751 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1340920	6043.89	55.1	1461.97	193697	97.8293 ng/ml
MDA	3.209	2189172	7438.04	24.5	3558.03	575383	114.0752 ng/ml
MDMA	3.303	1483988	8050.49	79.6	7090.22	136921	103.6104 ng/ml
Meprobamate	4.917	756213	15793.48	27.6	564.95	372586	103.1470 ng/ml
Methadone	5.646	870814	1967.02	48.1	1717.04	401621	96.3061 ng/ml
Methamphetamine	3.244	2753564	1359.99	37.5	672.92	1058964	107.6254 ng/ml
Metoprolol	4.326	397957	5163.04	91.4	26148.95	1806456	104.5414 ng/ml
Mirtazapine	4.644	1259530	4302.51	49.6	3338.27	858351	74.2429 ng/ml
Mitragynine	5.237	123011	359353.99	37.4	1684.70	401621	88.4595 ng/ml
Morphine	1.287	109025	16498.46	32.0	590.19	11473	102.1293 ng/ml
Norbuprenorphine	4.992	2157	1834.99	105.3	1115.97	10384	9.6909 ng/ml
Nordiazepam	5.900	945634	31288.20	56.9	793.83	306043	105.2673 ng/ml
Norfentanyl	4.086	343025	24467.95	34.0	986.36	1427533	9.4610 ng/ml
Norhydrocodone	3.073	109348	262.65	42.0	136.44	100629	92.3033 ng/ml
Noroxycodone	2.923	877394	1368.40	42.2	5249.76	289625	105.6412 ng/ml
O-desmethyl-tramadol	3.383	3651663	11836.49	6.7	634.84	2139827	101.2378 ng/ml
Oxazepam	5.756	1651304	10043.00	74.3	1406.29	634501	105.2226 ng/ml
Oxycodone	2.848	1695432	1913.39	27.1	1058.15	714164	105.1298 ng/ml
Oxymorphone	1.438	854920	548.78	40.7	885.33	284774	112.5164 ng/ml
Phentermine	3.790	721956	2815.21	4.6	1845.13	849283	104.6540 ng/ml
Promethazine	5.538	279718	2569.33	28.1	391.98	119110	97.6364 ng/ml
Pseudoephedrine	2.616	4241949	27659.78	16.2	32069.11	1948095	97.7867 ng/ml
Quetiapine	5.562	941388	405127.65	59.0	305.95	121421	103.5126 ng/ml
Sertraline	5.776	28463	80.34	96.9	112.38	13898	95.2425 ng/ml
Temazepam	5.823	3034063	1096.23	28.2	780.21	1381623	101.2688 ng/ml
Tramadol	4.246	3708636	209280.19	3.6	848.11	1806456	103.4524 ng/ml
Trazodone	5.196	602228	30846.18	80.6	11903.66	240353	108.0147 ng/ml
Venlafaxine	5.037	3040992	1404.58	38.5	2186.02	1472299	101.5136 ng/ml
Zolpidem	4.955	3701169	∞	30.1	12295970.5 0	1755965	103.4281 ng/ml

TS

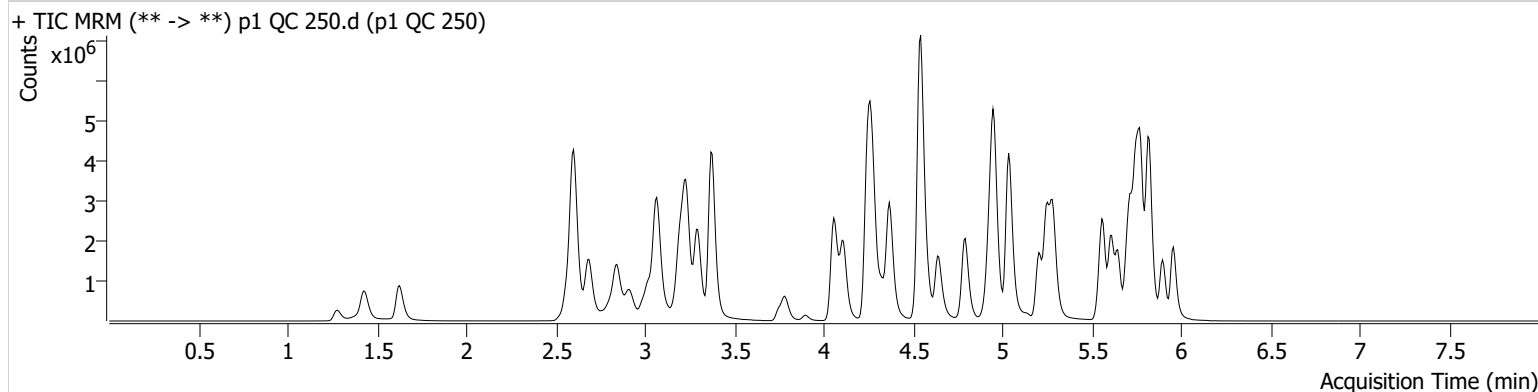


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/11/2021 1:43:00 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	100319	2022.82	70.7	1666.57	105490	24.5749 ng/ml
7-aminoclonazepam	4.278	1474062	28279.62	81.4	22402.30	226767	238.3642 ng/ml
a-hydroxyalprazolam	5.692	754286	833.46	58.2	678.22	455077	214.4162 ng/ml
alpha-PHP	4.937	919556	46590.82	269.7	29198.82	788807	228.4226 ng/ml
alpha-PVP	4.370	4595259	104703.88	51.9	2824.16	788807	248.9627 ng/ml
Alprazolam	5.775	3236365	1556.71	112.7	∞	455077	255.3379 ng/ml
Amphetamine	3.069	6276509	1149.08	48.3	2970.22	330369	234.6991 ng/ml
Benzoylcegonine	3.899	155246	583.19	7.8	104.99	20548	258.4419 ng/ml
Buprenorphine	5.901	32398	54347.16	14.7	8032.14	48394	23.8952 ng/ml
Bupropion	4.795	3359393	∞	61.1	1094.09	490574	240.3833 ng/ml
Carisoprodol	5.724	2540101	90157.98	56.0	10181.39	490412	248.7277 ng/ml
Citalopram	5.212	1358234	18972.73	41.8	935137.42	255902	237.0779 ng/ml
Clonazepam	5.612	3328351	34048.20	32.0	1548.99	168722	249.8823 ng/ml
Clonazepam	5.548	2374095	269008.80	38.3	1733916.95	168722	247.0655 ng/ml
Cocaine	4.264	3640772	3005.07	51.4	31444.16	1339382	249.9590 ng/ml
Codeine	2.587	403996	1075.61	100.4	1340072.38	97745	229.9112 ng/ml
Cyclobenzaprine	5.615	229002	517.94	8.9	112.41	38522	239.4753 ng/ml
Dextromethorphan	5.262	533330	266.94	80.9	8978.03	105441	239.1408 ng/ml
Dextrophan	4.111	1279344	21094.11	207.5	2557.46	606435	247.0510 ng/ml
Diazepam	5.960	2035238	10916.84	86.9	3056.05	379874	250.5056 ng/ml
Dihydrocodeine	2.559	1220608	584.16	65.5	1653.30	328702	240.0447 ng/ml
Diphenhydramine	5.289	3576793	48494.93	33.2	19042.74	849243	241.5595 ng/ml
Doxylamine	4.543	10247584	159079.88	95.9	94793.42	1730467	262.0396 ng/ml
EDDP	5.254	3582278	71489.16	41.3	45906.00	727480	251.0876 ng/ml
Etizolam	5.813	1939482	23084.29	25.1	832820.81	168722	237.4556 ng/ml
Fentanyl	5.109	44527	177.02	69.2	450.94	90054	23.4916 ng/ml
Flualprazolam	5.705	1487873	13276.33	98.7	10917.20	455077	252.4093 ng/ml
Fluoxetine	5.707	102476	4002.97	8.6	3034.63	17132	243.7680 ng/ml
Hydrocodone	3.018	1719579	∞	40.2	529.24	903567	238.2743 ng/ml
Hydromorphone	1.628	1605582	16338.91	77.5	1485696.62	10722	244.1921 ng/ml
Ketamine	4.059	3729699	8318.30	36.7	16836.35	732119	248.5745 ng/ml
Lamotrigine	4.287	294482	3353.64	80.3	5276.55	732119	220.0912 ng/ml
Levetiracetam	2.690	1566498	7947.21	166.0	22925.16	1709695	247.7162 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1866034	18278.59	56.9	1734.41	168722	156.9368 ng/ml
MDA	3.203	4024902	13159.06	24.8	4446.45	493369	245.8199 ng/ml
MDMA	3.296	3291012	21832.60	79.0	11026.81	122452	256.8007 ng/ml
Meprobamate	4.917	1479358	45033.36	27.4	27355.07	350137	215.3311 ng/ml
Methadone	5.646	1883760	1022.15	47.2	2535.37	355167	235.0754 ng/ml
Methamphetamine	3.231	5968234	35320.29	36.6	141635.98	981448	253.1870 ng/ml
Metoprolol	4.326	870221	4624.93	91.8	6413.37	1624557	255.0305 ng/ml
Mirtazapine	4.644	2790736	14013.93	48.6	4971.58	788807	179.5275 ng/ml
Mitragynine	5.237	241204	2347.55	40.6	1764.82	355167	196.2769 ng/ml
Morphine	1.281	246316	42642.66	32.7	5219.27	10722	246.8969 ng/ml
Norbuprenorphine	4.986	4654	7789.92	92.1	9277.33	9152	23.7917 ng/ml
Nordiazepam	5.900	1961148	1936.55	57.1	10199.82	269833	247.7729 ng/ml
Norfentanyl	4.086	761134	77929.63	34.6	4317.82	1260790	23.6512 ng/ml
Norhydrocodone	3.066	226577	547.05	42.4	556.72	82248	233.3200 ng/ml
Noroxycodone	2.909	1678388	8929.24	43.0	17920.15	235994	248.0455 ng/ml
O-desmethyl-tramadol	3.376	8749582	109719.58	6.5	26079.63	2040306	254.0403 ng/ml
Oxazepam	5.756	2692912	46051.03	73.0	7238.48	427876	254.8773 ng/ml
Oxycodone	2.841	3861922	6469.76	27.1	2051.60	687034	248.9895 ng/ml
Oxymorphone	1.425	1746134	∞	43.9	∞	256280	255.7618 ng/ml
Phentermine	3.790	1503087	431.98	4.6	737.79	789426	235.3032 ng/ml
Promethazine	5.532	526997	746.08	27.9	1522.19	91841	238.0504 ng/ml
Pseudoephedrine	2.603	9384132	22046.75	15.8	95830.78	1709695	245.6546 ng/ml
Quetiapine	5.562	2054372	1781.65	58.9	37167.79	110402	248.3917 ng/ml
Sertraline	5.776	40113	347.15	99.4	259.62	8199	226.9506 ng/ml
Temazepam	5.823	5717241	37522.54	27.8	10257.06	1075474	244.4380 ng/ml
Tramadol	4.246	8515339	13077.46	3.5	451.49	1624557	264.5643 ng/ml
Trazodone	5.196	1435985	50374.81	79.8	65447.09	236305	262.1384 ng/ml
Venlafaxine	5.037	7158634	645855.20	36.7	∞	1375032	255.3732 ng/ml
Zolpidem	4.955	8650393	11806.11	29.2	15192.81	1648509	257.6384 ng/ml

*Outside curve range

TS

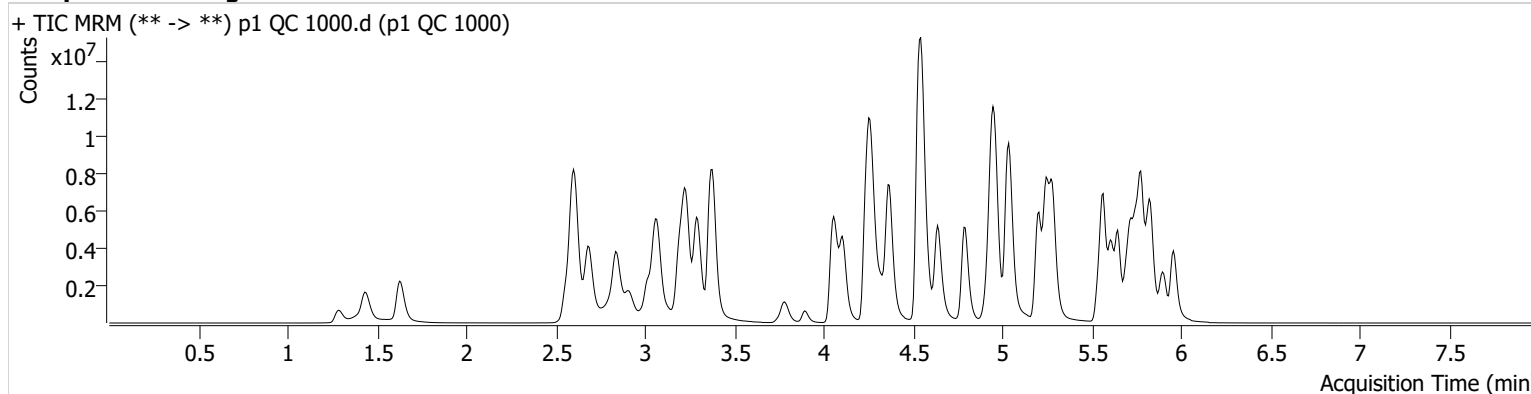


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/11/2021 2:04:14 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	344715	701138.71	70.3	1154.50	87322	102.0473 ng/ml
7-aminoclonazepam	4.278	2796024	42582.31	77.5	18372.04	100652	1017.9913 ng/ml
* a-hydroxyalprazolam	5.685	1177755	715.68	57.4	682.08	278193	549.0241 ng/ml
* alpha-PHP	4.930	2043718	45941.82	271.4	283404.31	538364	745.4060 ng/ml
alpha-PVP	4.370	12832723	551611.56	52.5	112771.09	538364	1017.7230 ng/ml
Alprazolam	5.775	7786630	∞	111.0	5166.08	278193	1003.8739 ng/ml
* Amphetamine	3.069	12225360	61026.56	47.8	2222.92	197085	768.4546 ng/ml
Benzoylcegonine	3.892	747102	3647.27	8.1	5134.55	19912	1281.7837 ng/ml
Buprenorphine	5.901	67838	529.00	14.5	38606.92	24137	100.1760 ng/ml
Bupropion	4.788	8844409	1080.53	60.0	833.68	313241	990.6840 ng/ml
Carisoprodol	5.724	4641190	3001888.29	55.5	50707.42	205201	1085.0229 ng/ml
Citalopram	5.212	3432679	641544.30	42.1	51515.18	154015	994.4091 ng/ml
Clonazepam	5.612	6999817	73485.87	30.9	22842.65	93640	948.1026 ng/ml
Clonazepam	5.549	5001511	135516.70	37.4	55838.86	93640	938.1833 ng/ml
Cocaine	4.264	9653135	955.34	51.1	74271.13	850041	1043.2855 ng/ml
* Codeine	2.580	881088	603.91	97.5	177.84	64857	757.6380 ng/ml
Cyclobenzaprine	5.615	966284	2733.22	8.9	612.78	40902	950.2942 ng/ml
Dextromethorphan	5.255	1368605	769.46	80.9	14618.95	66547	971.3270 ng/ml
Dextrophan	4.112	3266700	251743.14	212.5	2794.30	369673	1033.8273 ng/ml
Diazepam	5.960	5112858	7301.35	89.2	445.64	243361	982.4217 ng/ml
* Dihydrocodeine	2.559	3308194	667.96	65.7	27284.01	284733	752.3628 ng/ml
Diphenhydramine	5.282	10089133	879.41	32.6	14171.46	568442	1016.5863 ng/ml
Doxylamine	4.548	27088440	519719.77	97.8	66756.40	1372973	873.0212 ng/ml
EDDP	5.248	11098013	106745.13	40.3	63795.77	529046	1068.1090 ng/ml
Etizolam	5.813	4961221	8309.56	25.0	24157.17	93640	1092.1098 ng/ml
Fentanyl	5.109	168028	484.37	67.6	636481.97	79179	100.8261 ng/ml
Flualprazolam	5.705	3154549	31496.14	106.5	156635.14	278193	876.1488 ng/ml
Fluoxetine	5.707	332002	6869.21	8.5	3956.68	15141	893.1440 ng/ml
Hydrocodone	3.018	5076764	550.80	37.7	442.08	727507	875.3207 ng/ml
Hydromorphone	1.628	4531335	21115431.50	77.9	7005331.90	8245	897.0679 ng/ml
Ketamine	4.059	10996414	175957.61	35.5	13383.78	565671	949.2406 ng/ml
* Lamotrigine	4.287	601378	1501.98	83.9	627.97	565671	582.2202 ng/ml
* Levetiracetam	2.683	4386351	82730.49	166.7	14854.90	975660	1213.4616 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	2041124	137916.15	57.5	6197.17	93640	310.3494 ng/ml
MDA	3.196	8064514	52809.54	23.7	1020.75	292463	833.4284 ng/ml
MDMA	3.296	8687582	193715.72	80.6	71748.21	81727	1015.4554 ng/ml
* Meprobamate	4.911	2693154	86292.25	27.4	10198.47	250442	548.9277 ng/ml
Methadone	5.646	5909983	116062.61	46.0	890.56	258822	1010.8936 ng/ml
Methamphetamine	3.231	13479509	20675.59	35.5	24981.58	650862	864.9557 ng/ml
Metoprolol	4.326	2142543	7098.56	91.6	91369.53	1158530	881.9060 ng/ml
Mirtazapine	4.637	9052609	16624.36	48.4	12322.78	538364	854.6546 ng/ml
Mitragynine	5.237	598113	4218.81	39.8	1289.77	258822	668.1501 ng/ml
Morphine	1.287	723104	65751.92	32.2	24428.95	8245	942.5543 ng/ml
Norbuprenorphine	4.986	9496	1509.93	99.2	1498.89	4643	95.8246 ng/ml
Nordiazepam	5.900	4196181	∞	56.2	121122.62	151704	943.2998 ng/ml
Norfentanyl	4.079	2159258	409945.82	34.0	8374.92	756188	111.5779 ng/ml
Norhydrocodone	3.060	679391	∞	42.2	98.50	52159	1101.5403 ng/ml
Noroxycodone	2.909	3676229	19822.09	42.8	1641.18	131371	976.0653 ng/ml
O-desmethyl-tramadol	3.376	23089860	206718.17	7.2	114026.38	1446680	944.8422 ng/ml
Oxazepam	5.749	2991153	∞	72.1	10358.21	130587	928.3911 ng/ml
Oxycodone	2.834	12250157	1343.39	26.5	1030.05	567637	956.0654 ng/ml
Oxymorphone	1.432	4899303	547.28	42.8	505.38	191457	961.4543 ng/ml
* Phentermine	3.783	3404611	∞	4.5	1188.78	548990	768.0377 ng/ml
Promethazine	5.532	2122579	1988.15	28.6	646.38	92595	949.9153 ng/ml
Pseudoephedrine	2.603	22924453	109934.95	16.0	526.32	975660	1049.7949 ng/ml
Quetiapine	5.562	7468597	543269.45	58.7	1418.31	99619	1000.6585 ng/ml
Sertraline	5.776	154866	4613.55	100.5	177.63	7915	906.3850 ng/ml
Temazepam	5.830	9164562	70964.54	27.9	7919.05	395350	1064.2103 ng/ml
Tramadol	4.239	20299760	5173.15	3.7	884.01	1158530	885.0508 ng/ml
Trazodone	5.196	6600829	148870.44	79.8	411716.73	274432	1037.9252 ng/ml
Venlafaxine	5.037	19736035	195873.66	38.7	1273.16	940695	1028.1350 ng/ml
Zolpidem	4.956	23730218	9959.24	32.4	7772.78	1303261	894.2437 ng/ml

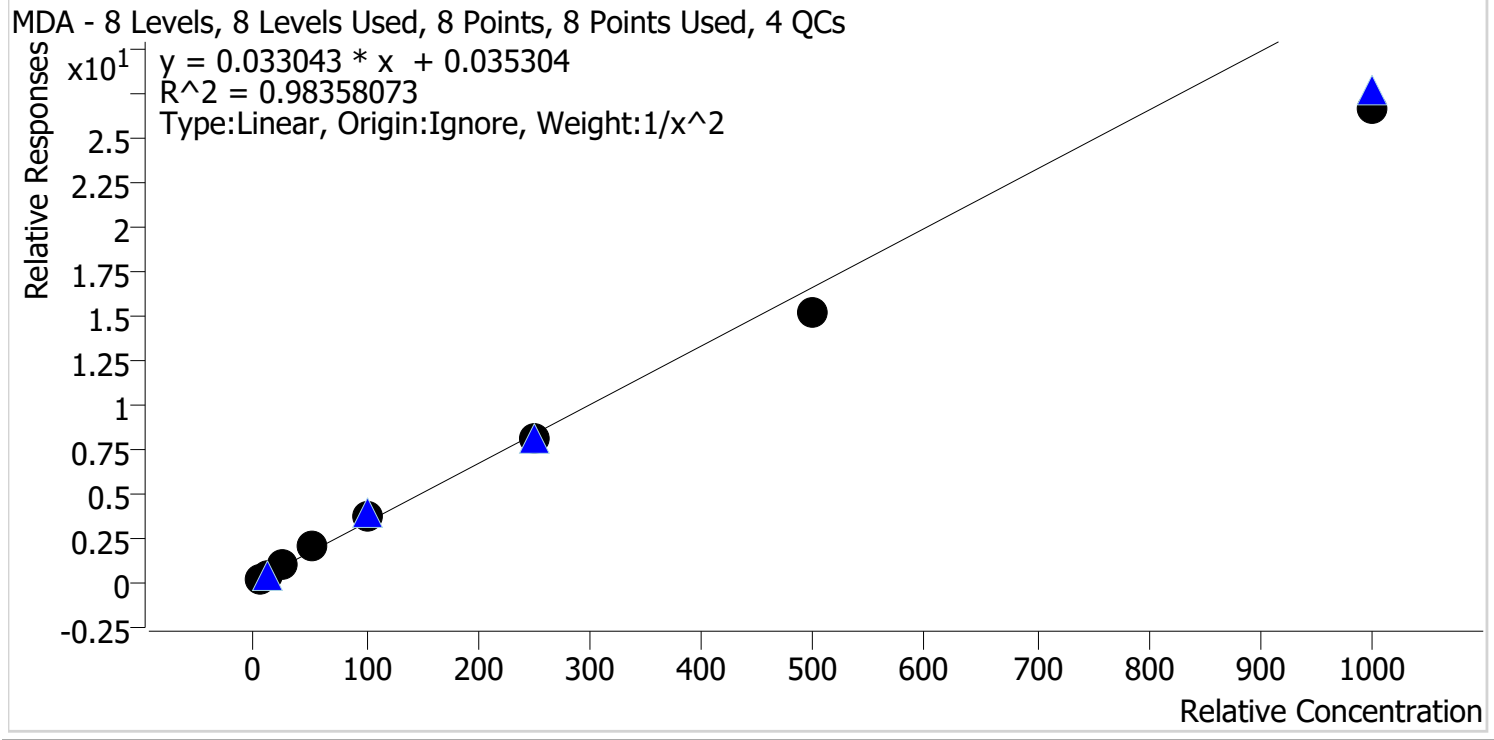
*Outside curve range

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5



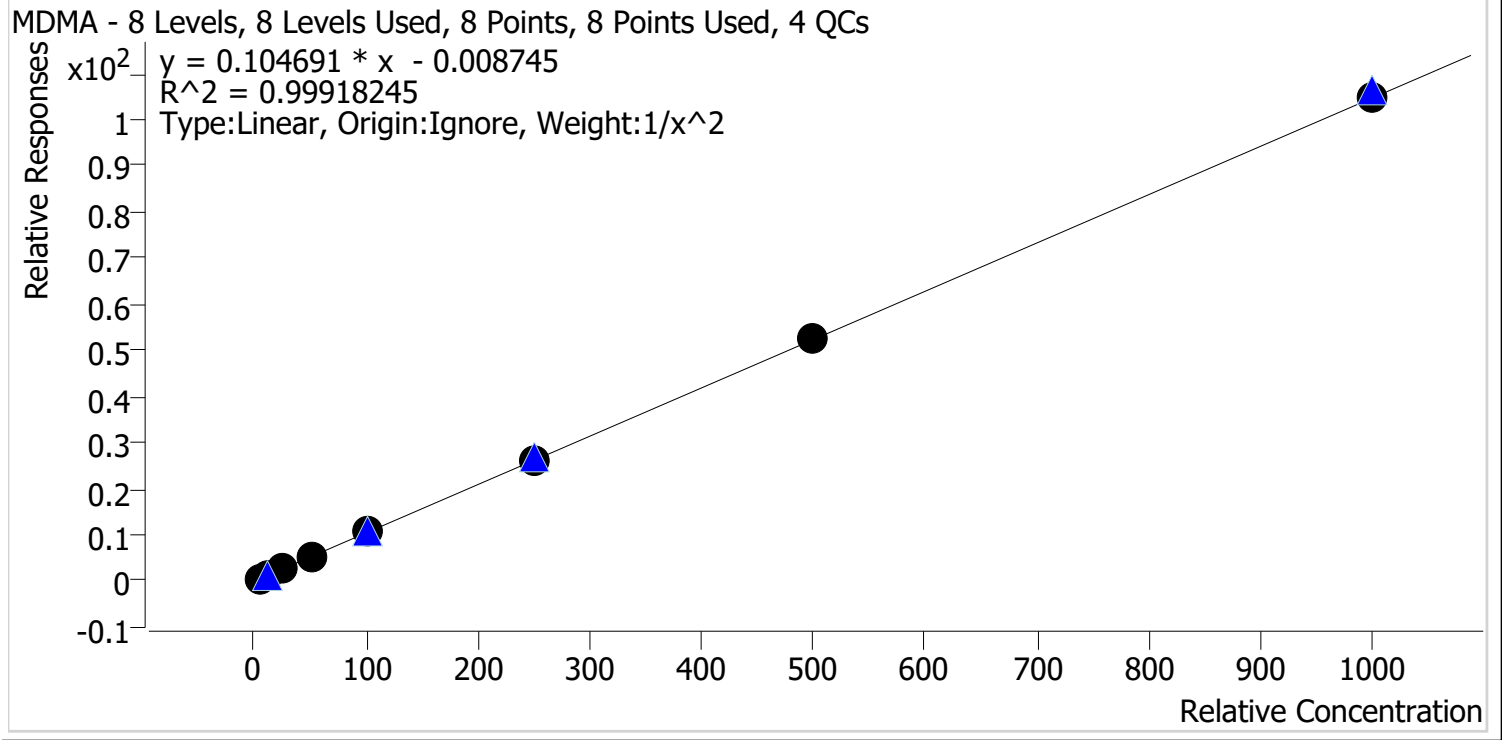
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	57.4	114.9
p1 Cal 5-100ng	5	✓	100.0	108.2	108.2
p1 Cal 6-250ng	6	✓	250.0	245.6	98.3
p1 Cal 7-500ng	7	✓	500.0	454.5	90.9
p1 Cal 8-1000ng	8	✓	1000.0	804.2	80.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 6/14/2021 11:16 AM
 Analyst Name ISP\datastor
 Analyte MDMA Internal Standard MDMA-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	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1004.8	100.5

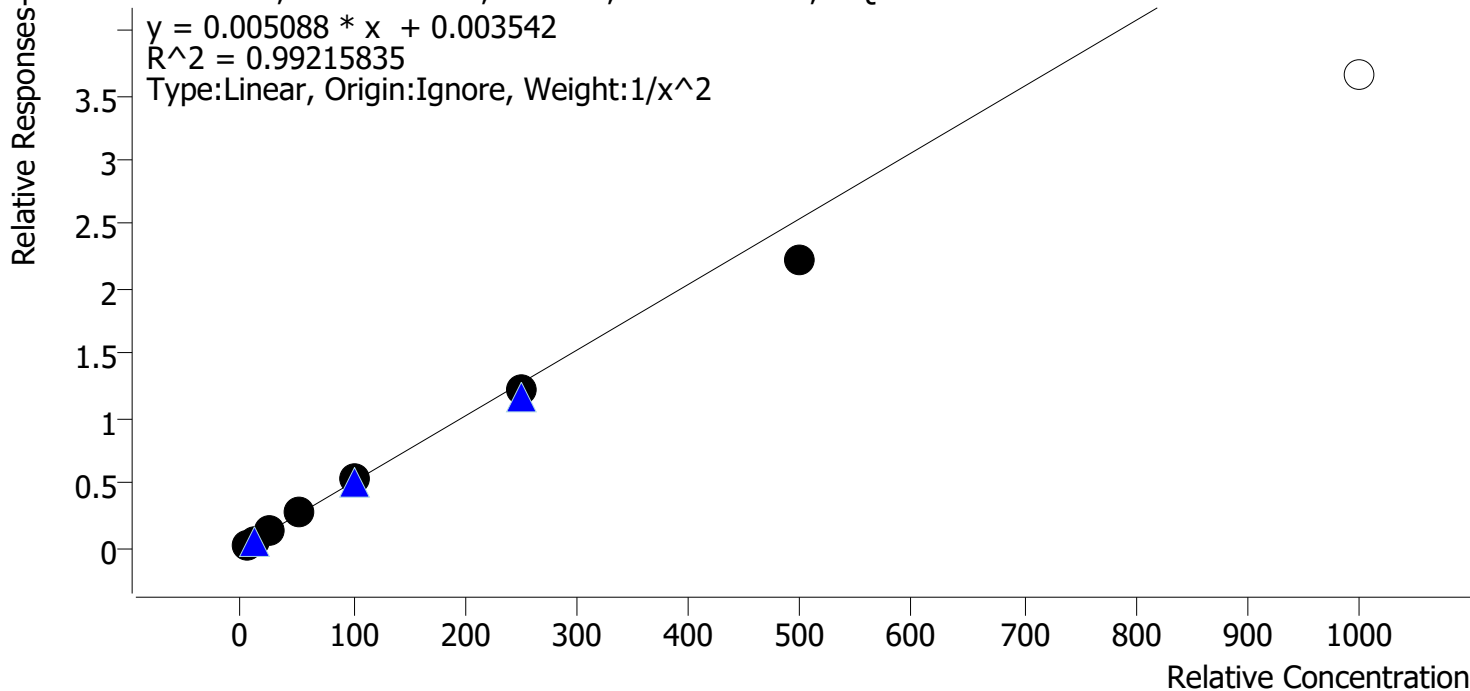
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 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	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	435.5	87.1
p1 Cal 8-1000ng	8	✗	1000.0	719.4	71.9

Calibrator 8 dropped due to not meeting accuracy requirements

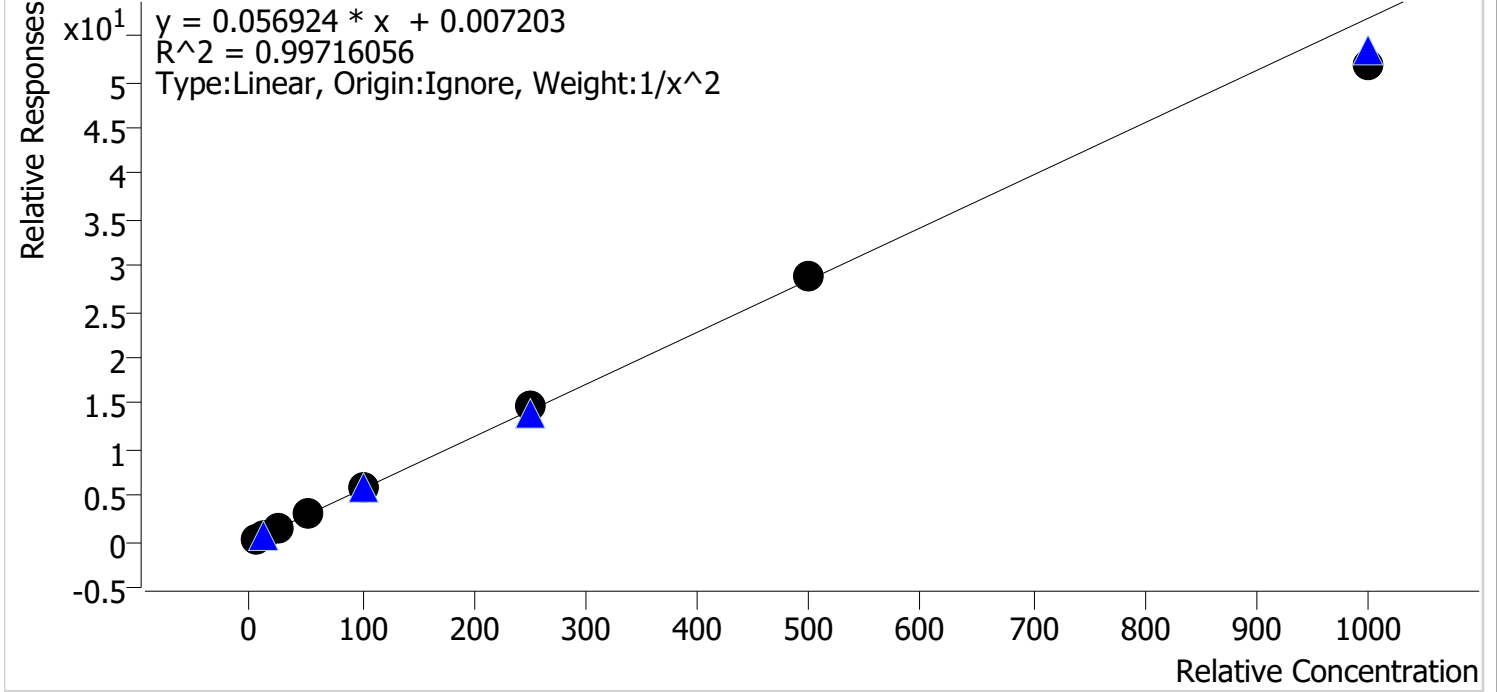


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4

Clonazolam - 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	101.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	909.9	91.0

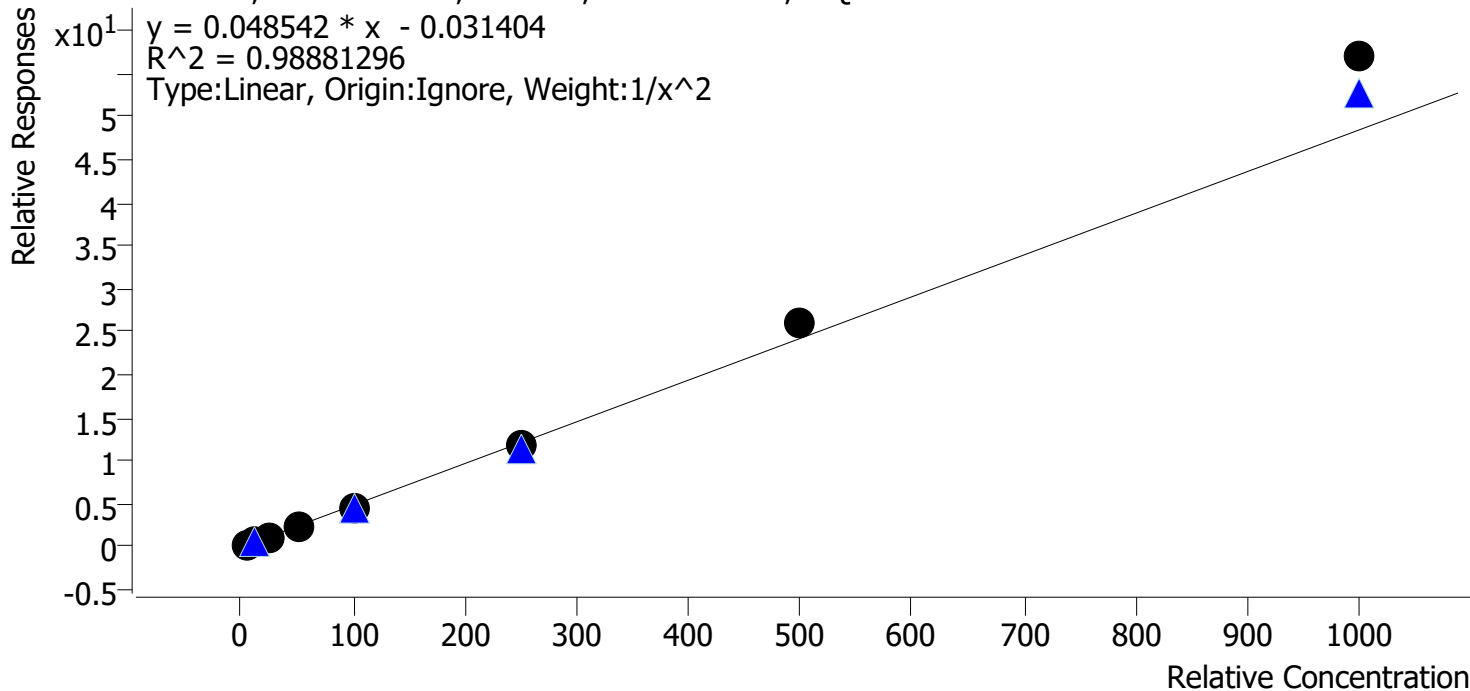
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



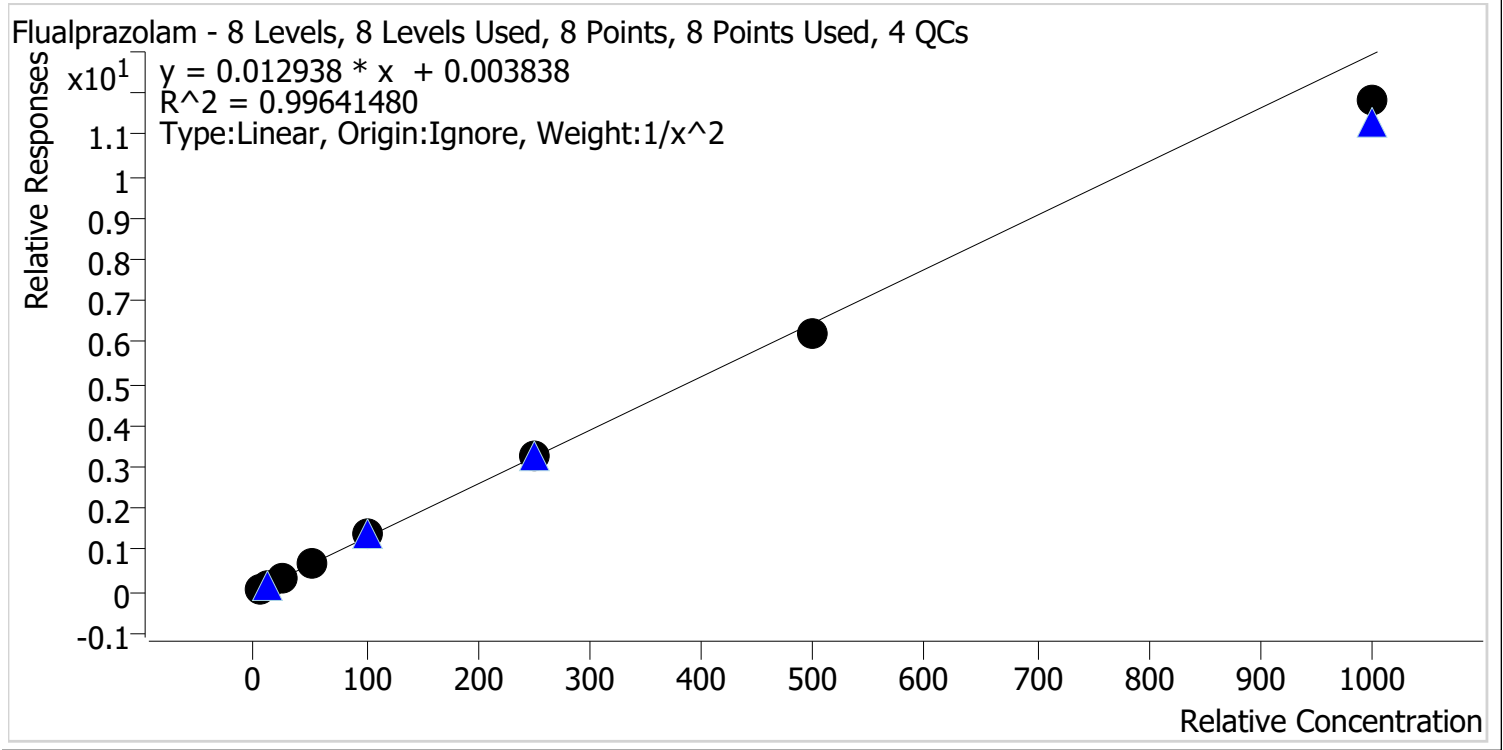
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.5
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.7
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	93.3	93.3
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	534.5	106.9
p1 Cal 8-1000ng	8	✓	1000.0	1175.8	117.6



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



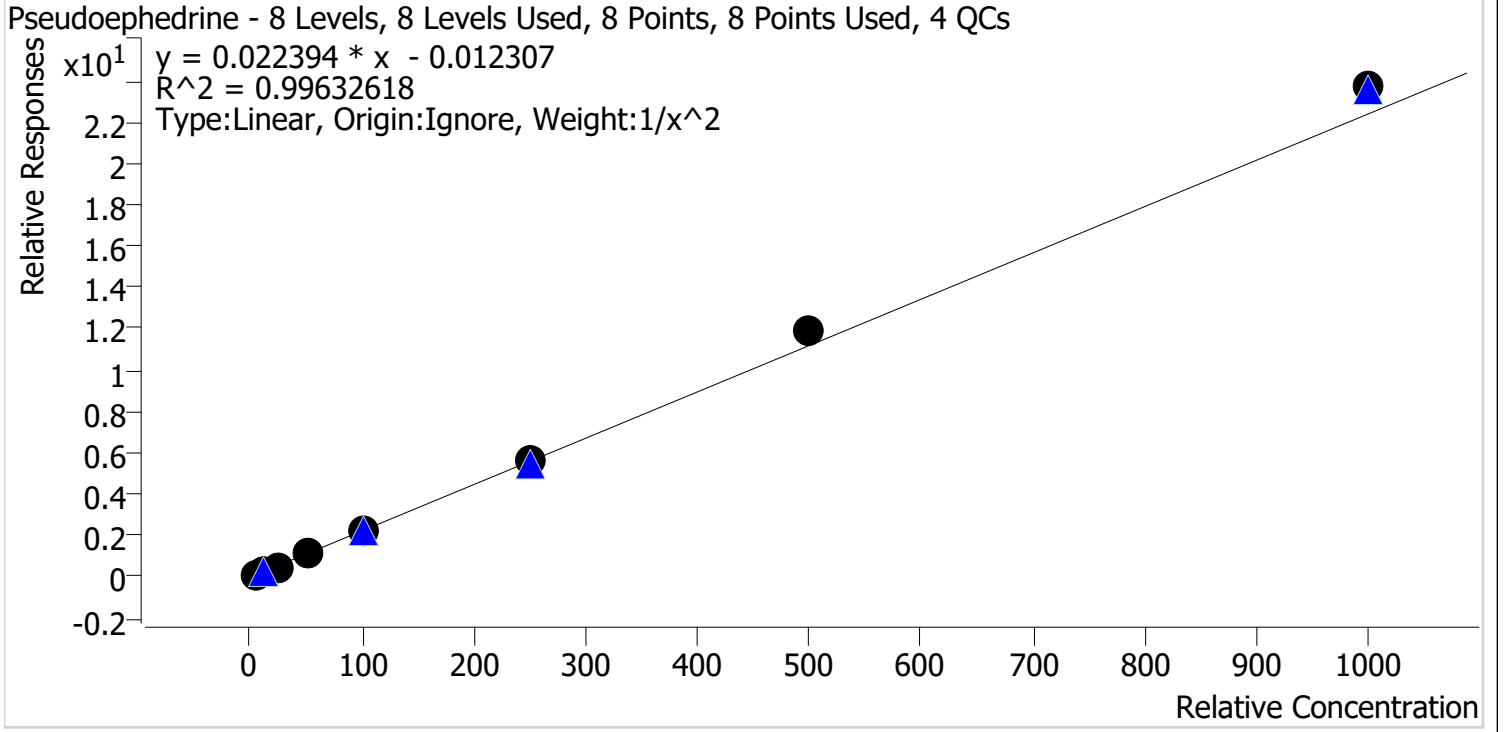
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	481.9	96.4
p1 Cal 8-1000ng	8	✓	1000.0	914.0	91.4



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



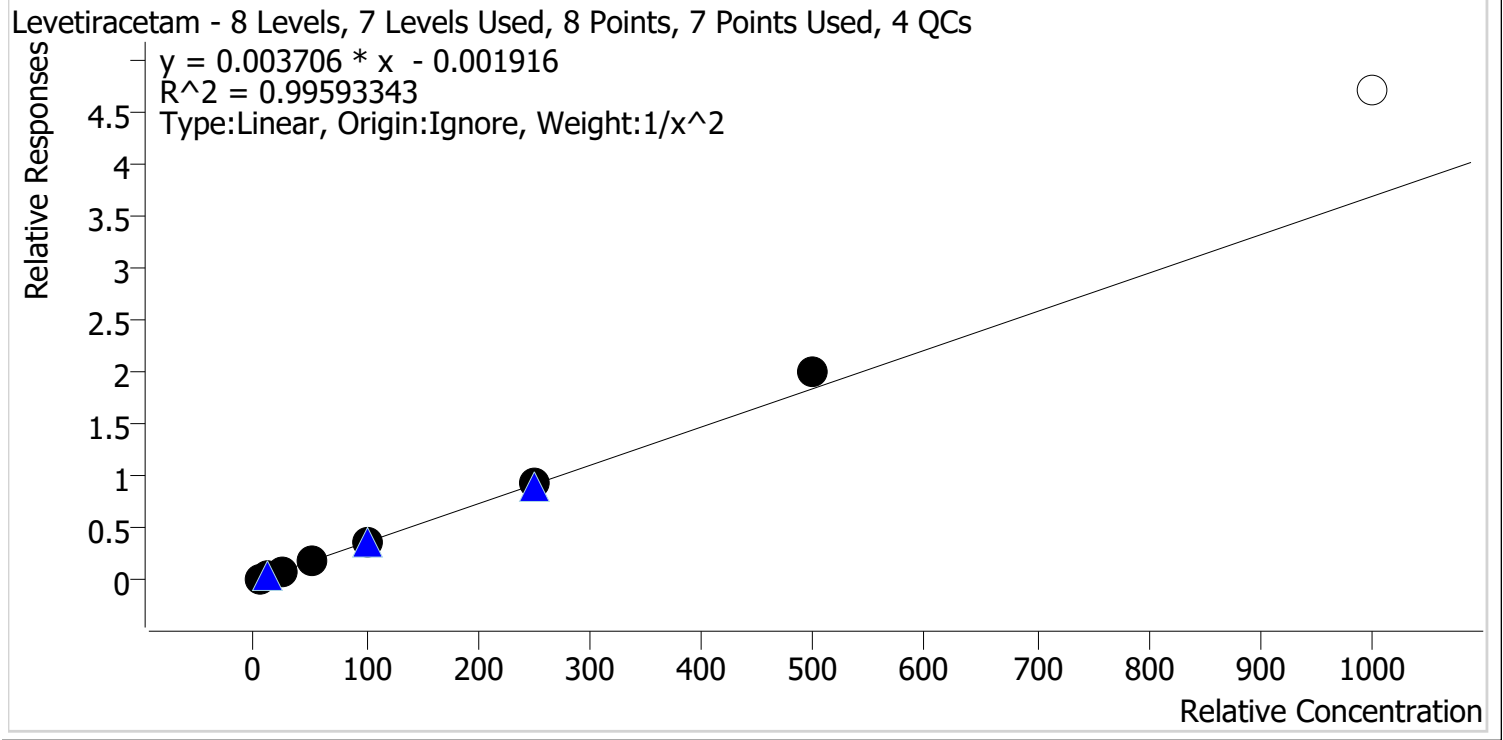
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.0
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	530.8	106.2
p1 Cal 8-1000ng	8	✓	1000.0	1059.1	105.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	544.2	108.8
p1 Cal 8-1000ng	8	✗	1000.0	1275.3	127.5

Calibrator 8 dropped due to not meeting accuracy requirements

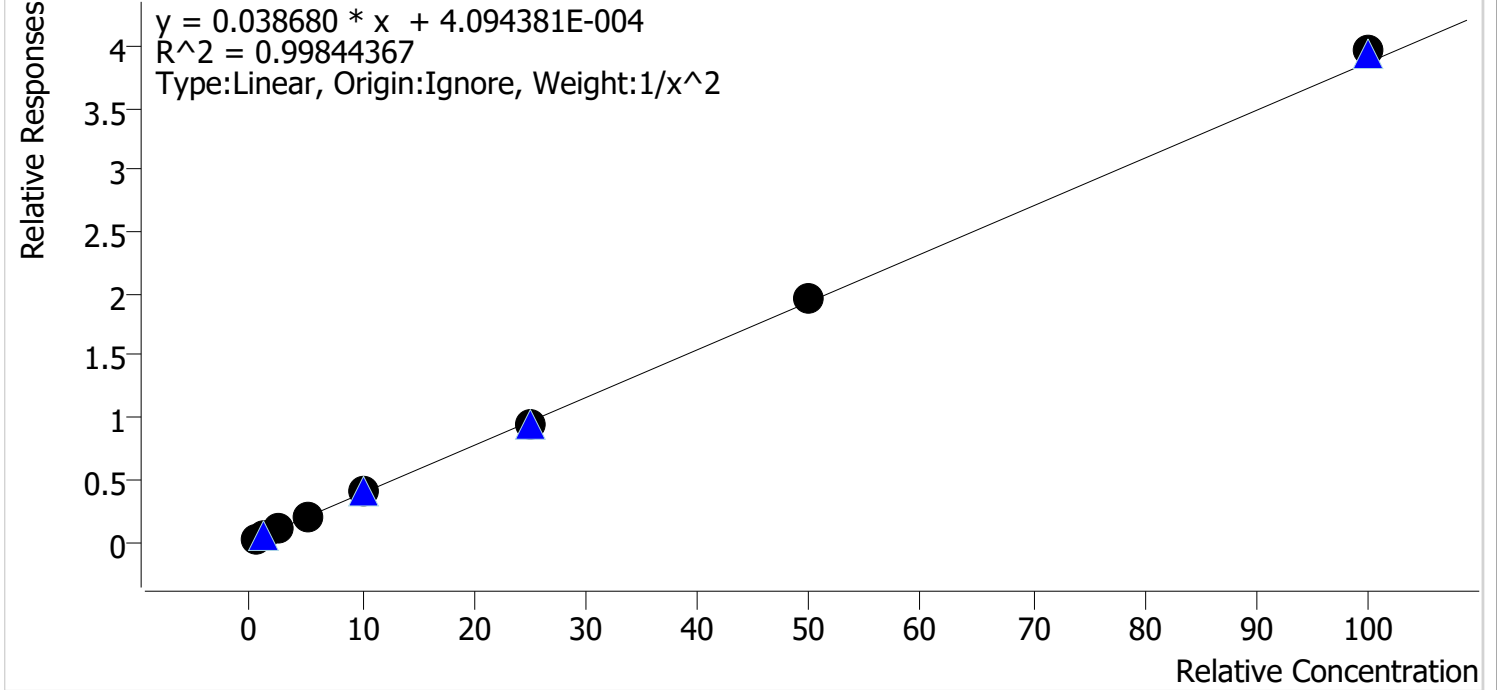


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



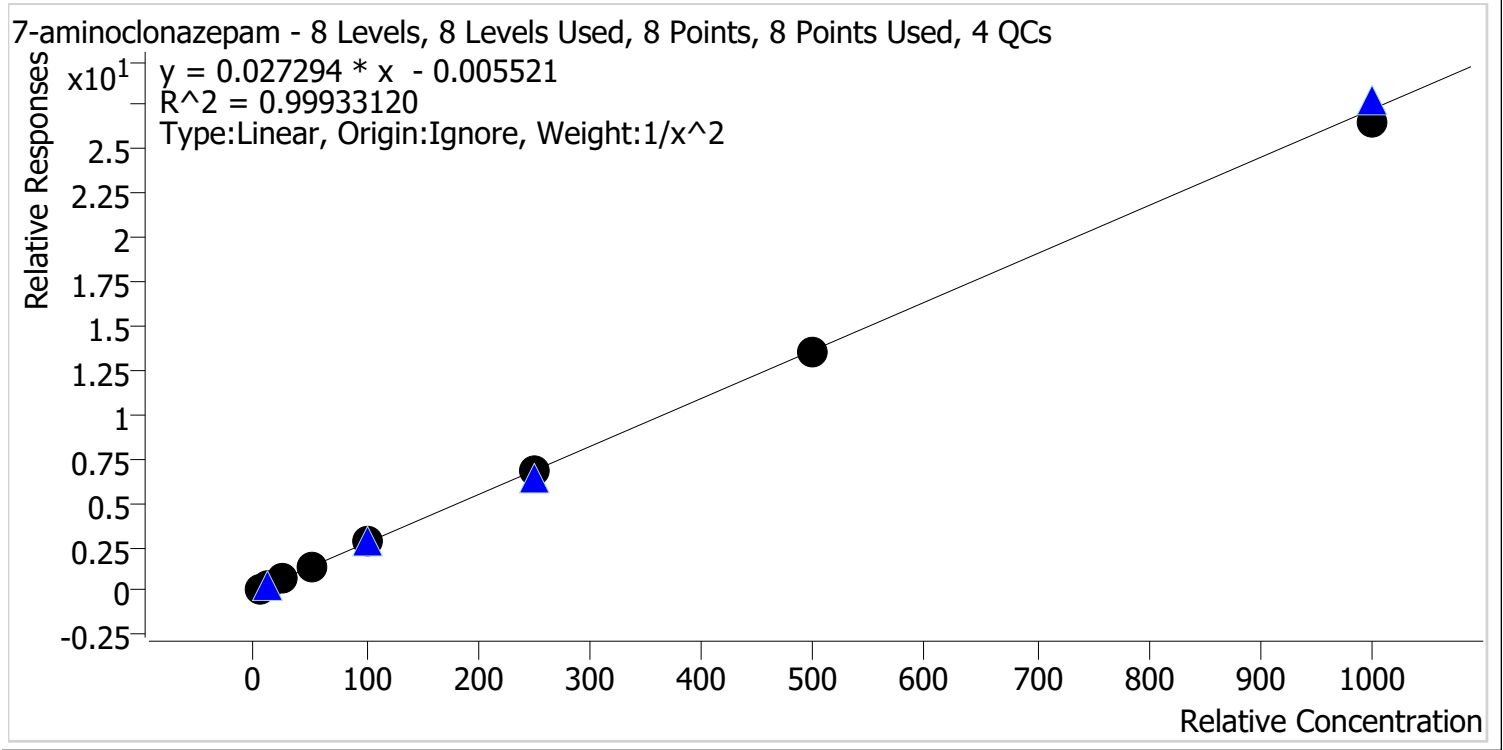
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.1
p1 Cal 2-10ng	2	✓	1.0	0.9	94.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.0
p1 Cal 4-50ng	4	✓	5.0	5.1	101.8
p1 Cal 5-100ng	5	✓	10.0	10.3	103.5
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	50.6	101.1
p1 Cal 8-1000ng	8	✓	100.0	102.5	102.5



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



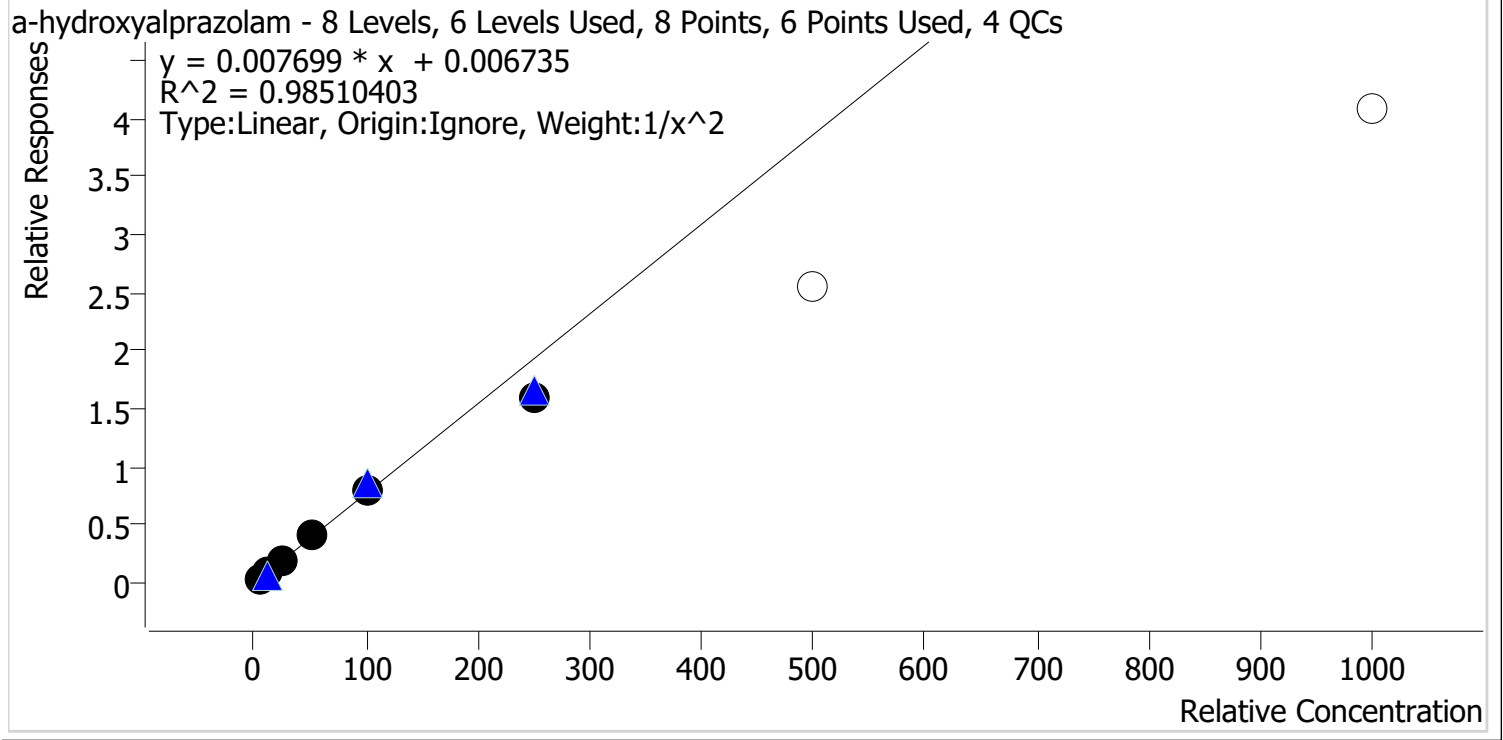
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	974.5	97.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



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	105.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	55.8	111.5
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	205.9	82.4
p1 Cal 7-500ng	7	x	500.0	328.7	65.7
p1 Cal 8-1000ng	8	x	1000.0	528.6	52.9

Calibrator 7 and 8 dropped due to not meeting accuracy requirements

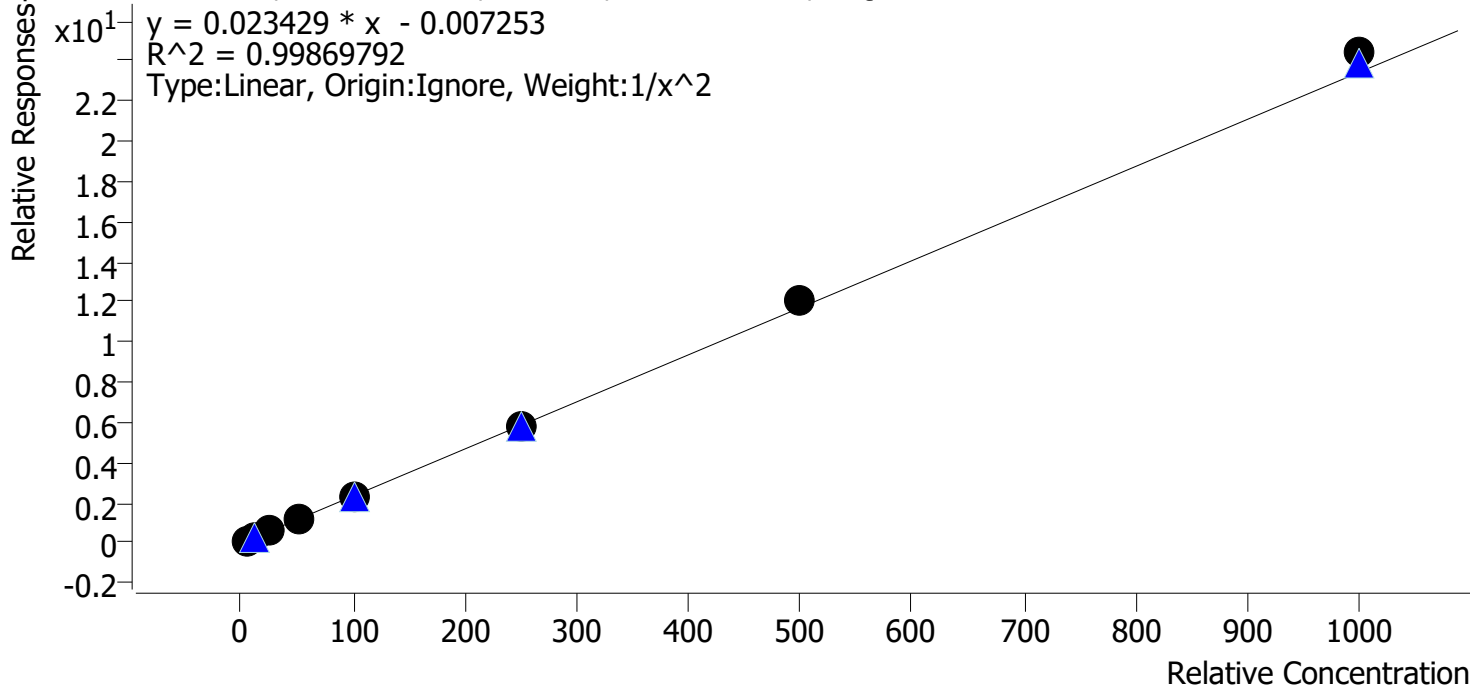
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 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	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	247.9	99.1
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1041.9	104.2

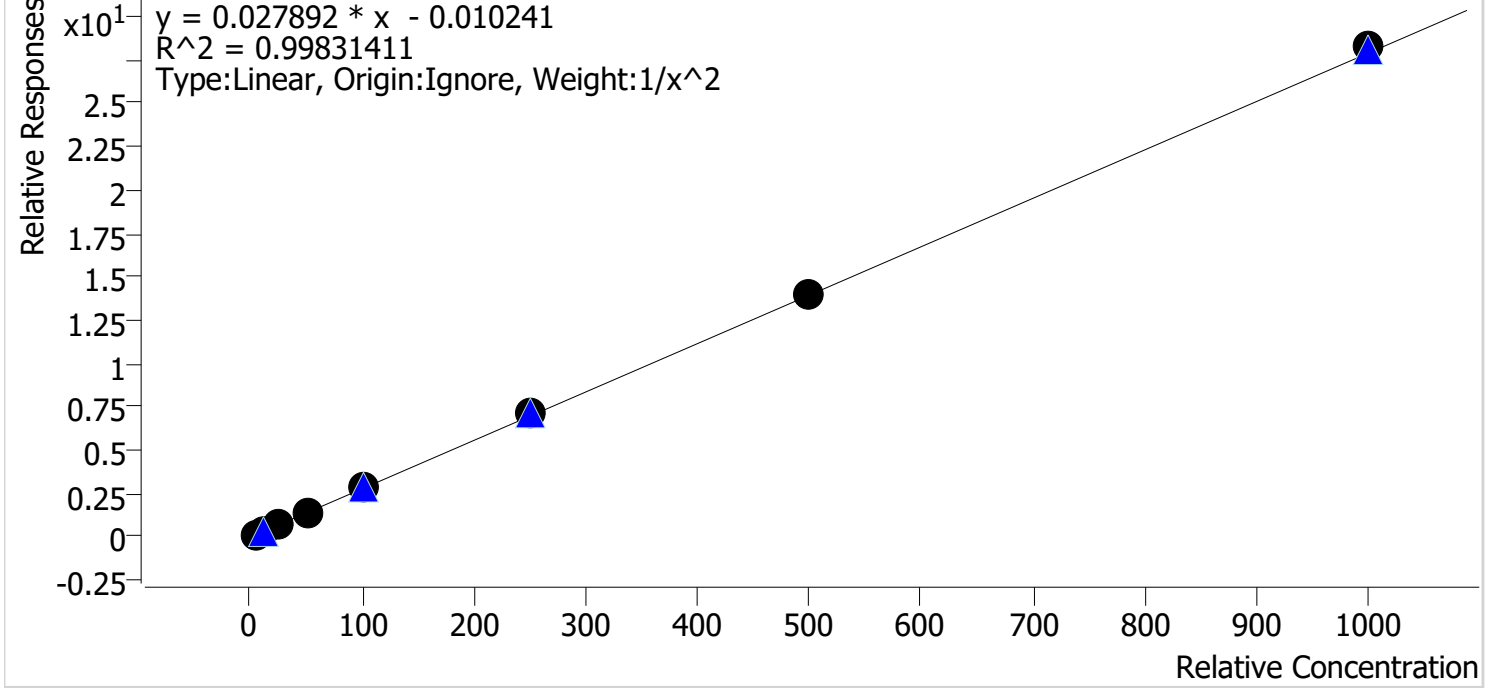


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 6/14/2021 11:16 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	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	254.9	101.9
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4

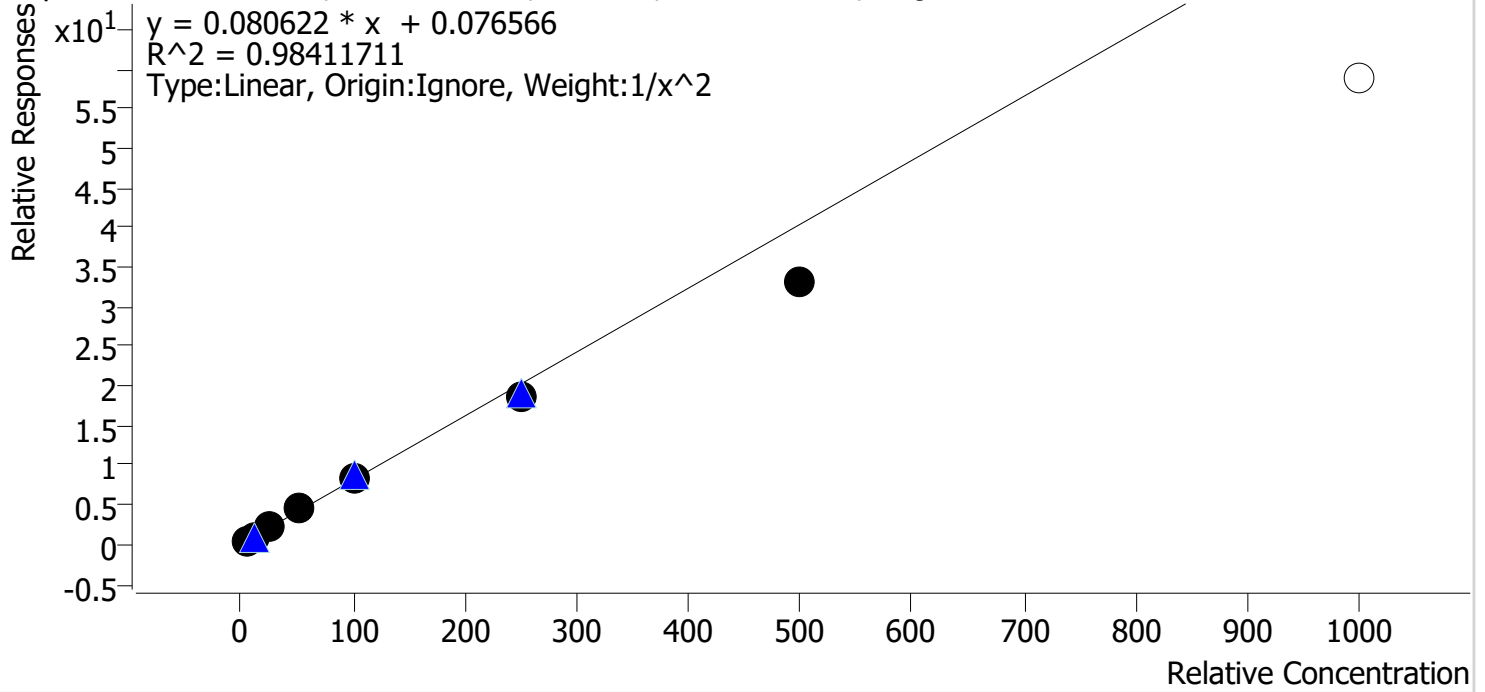


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 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	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	57.5	115.1
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	232.1	92.9
p1 Cal 7-500ng	7	✓	500.0	410.6	82.1
p1 Cal 8-1000ng	8	✗	1000.0	727.0	72.7

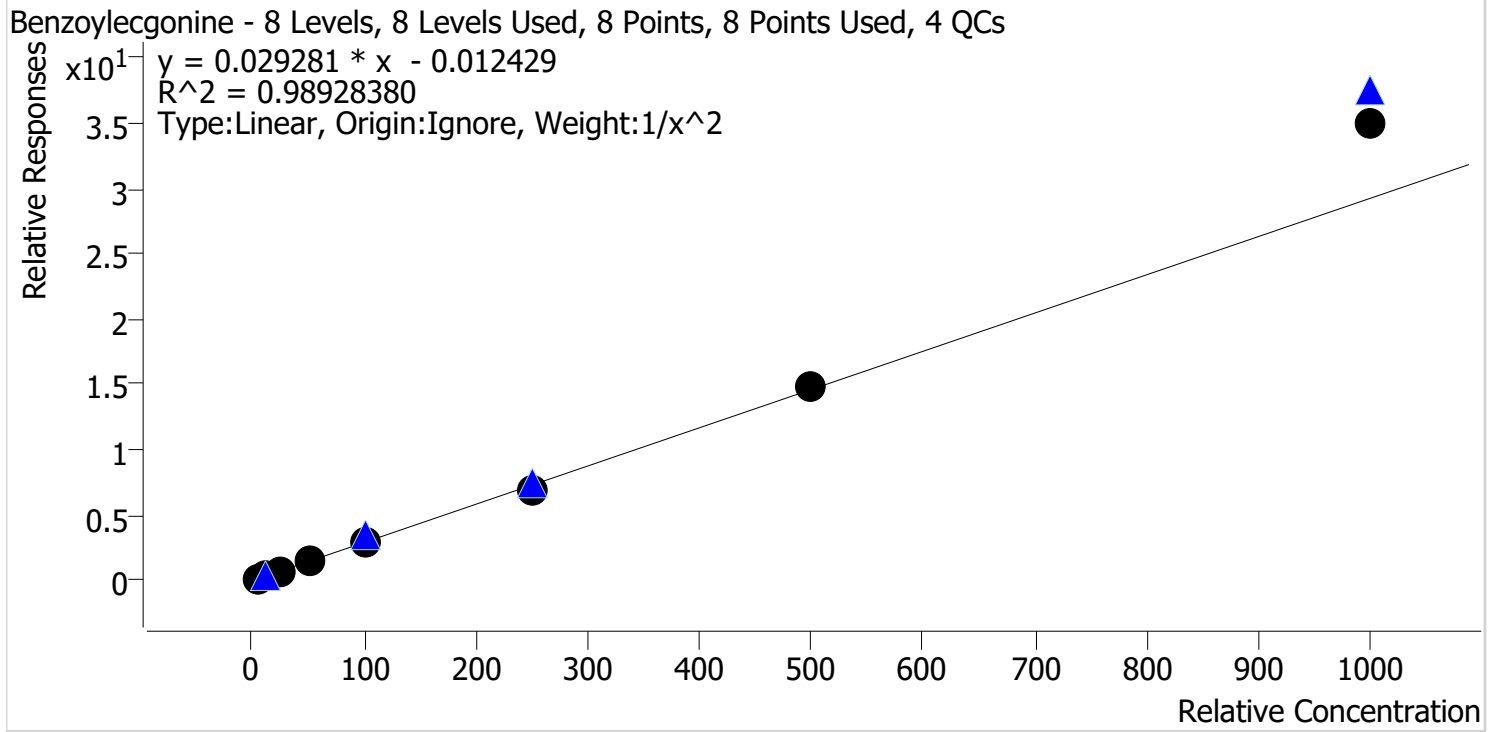
Calibrator 8 dropped due to not meeting accuracy requirements

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.9
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	234.7	93.9
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1196.9	119.7

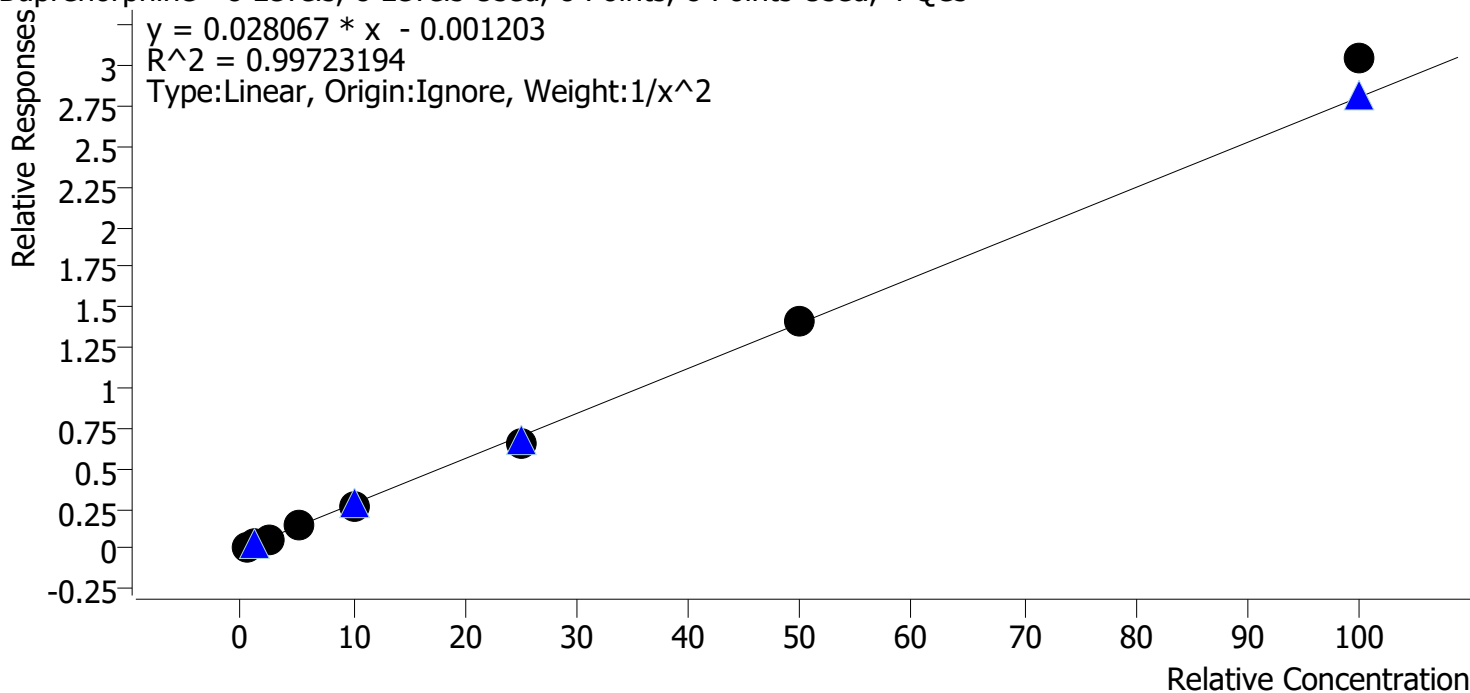
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



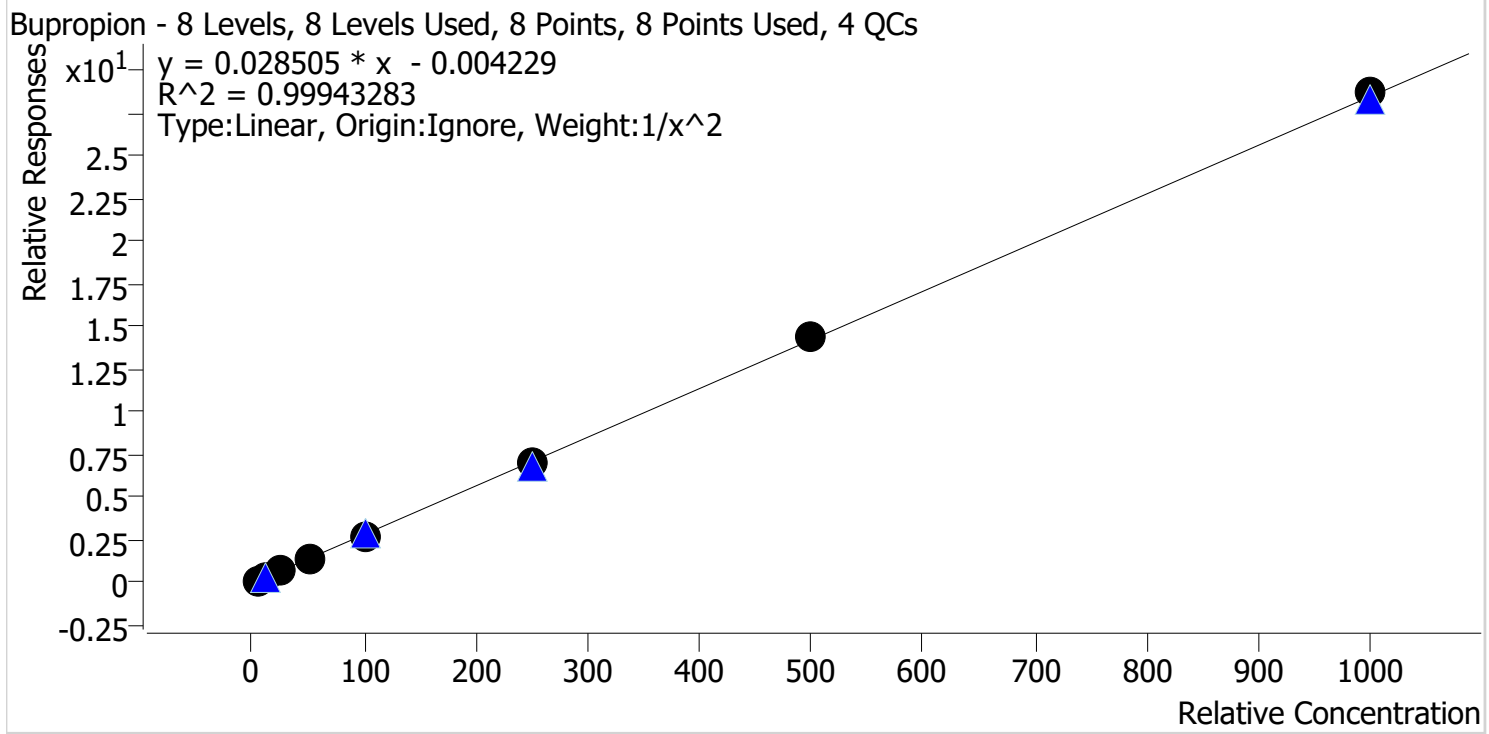
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.6
p1 Cal 2-10ng	2	✓	1.0	1.0	100.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	5.1	102.5
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	23.7	95.0
p1 Cal 7-500ng	7	✓	50.0	50.8	101.6
p1 Cal 8-1000ng	8	✓	100.0	108.5	108.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



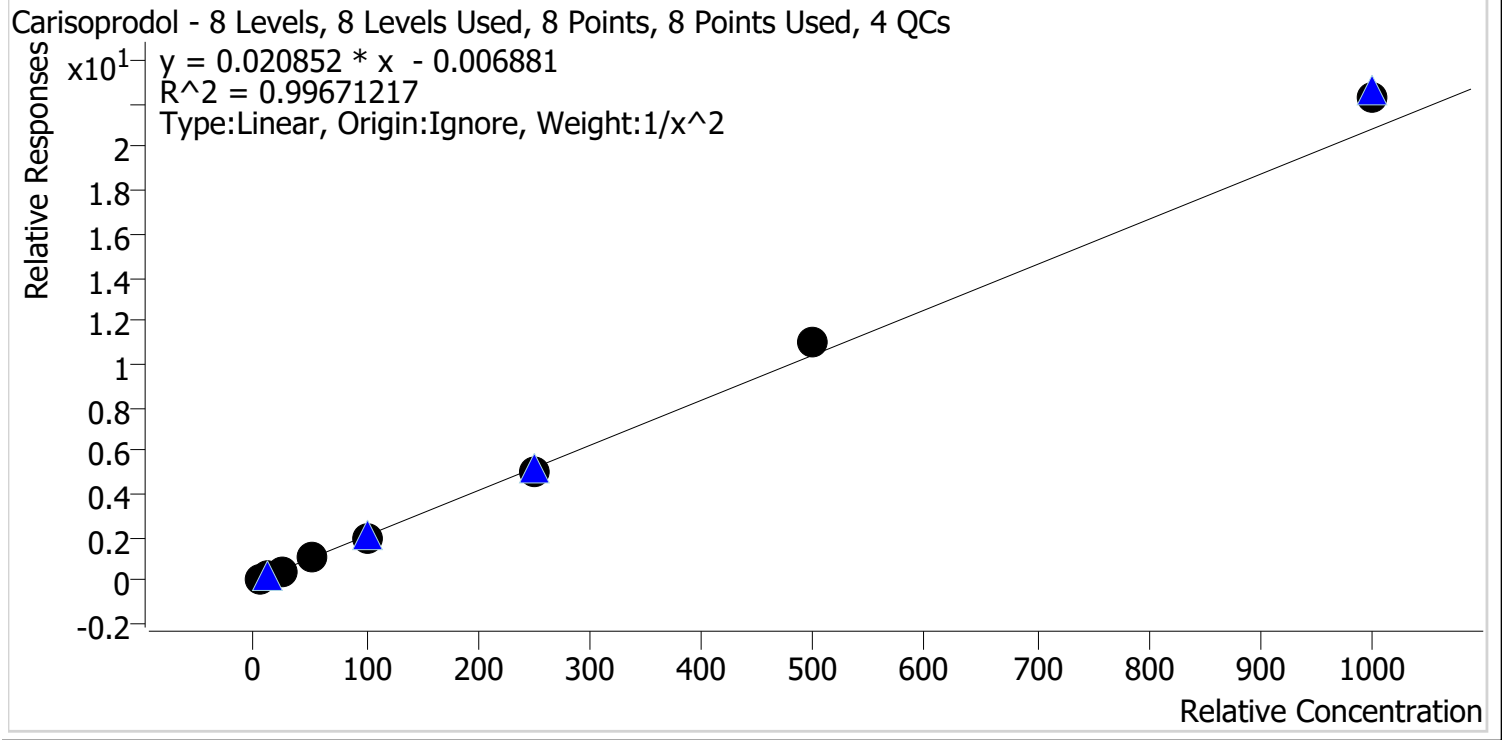
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1008.3	100.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.0
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✓	500.0	524.8	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1070.6	107.1

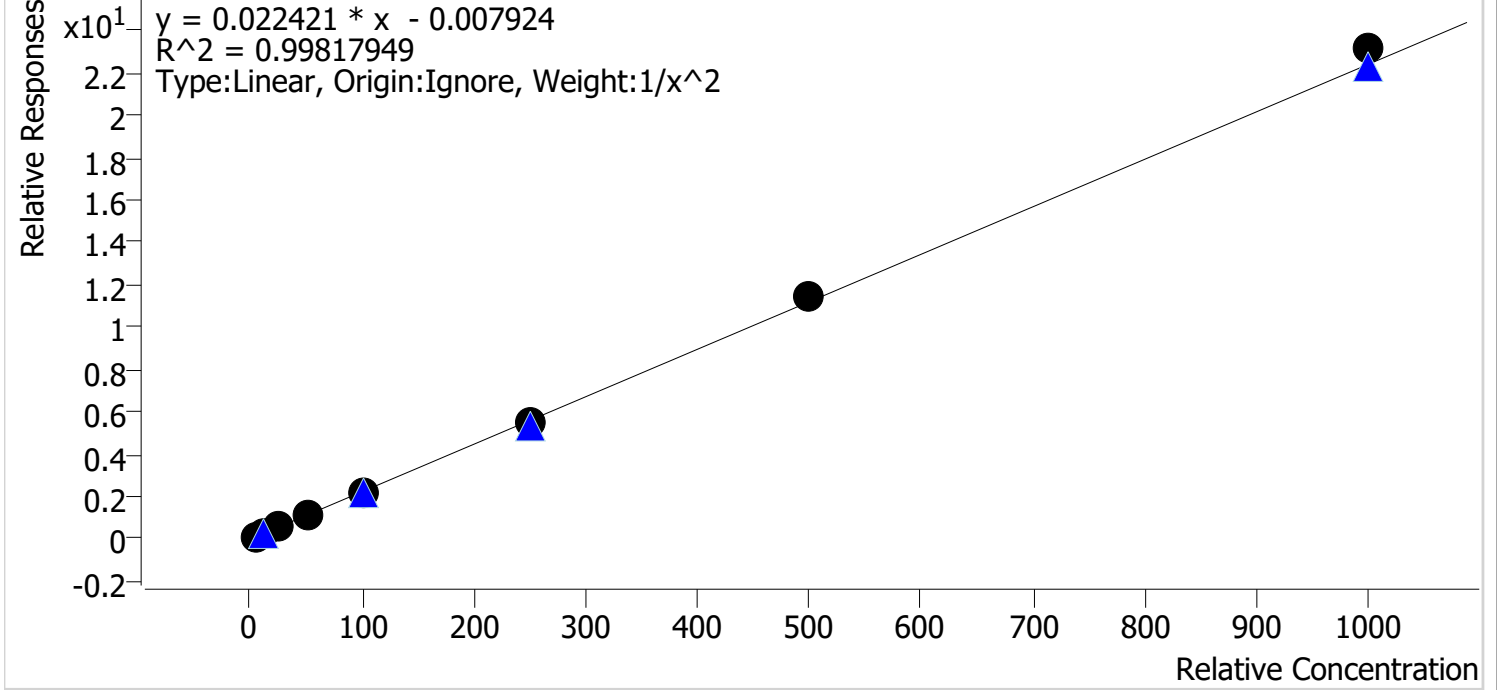


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



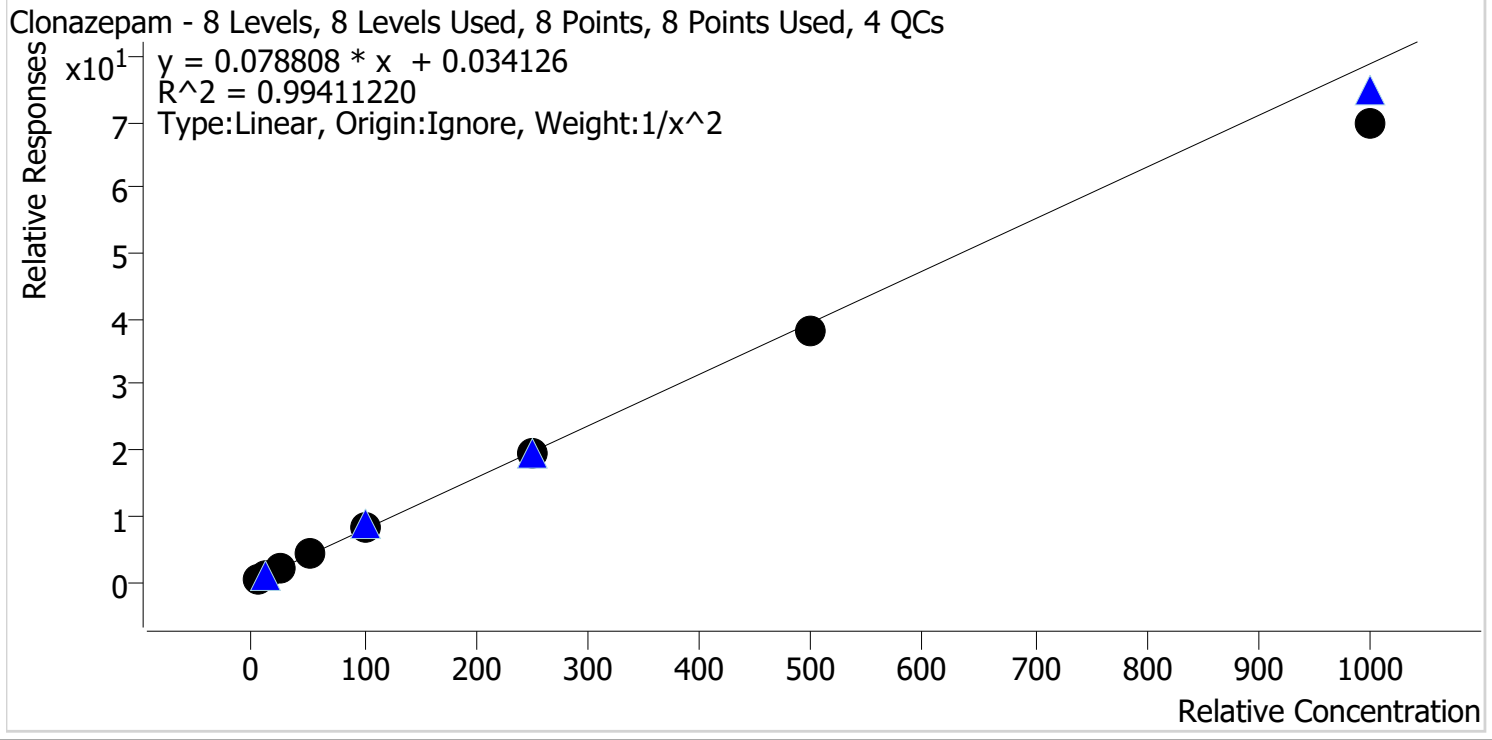
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	513.5	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1033.3	103.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	56.0	111.9
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	887.3	88.7

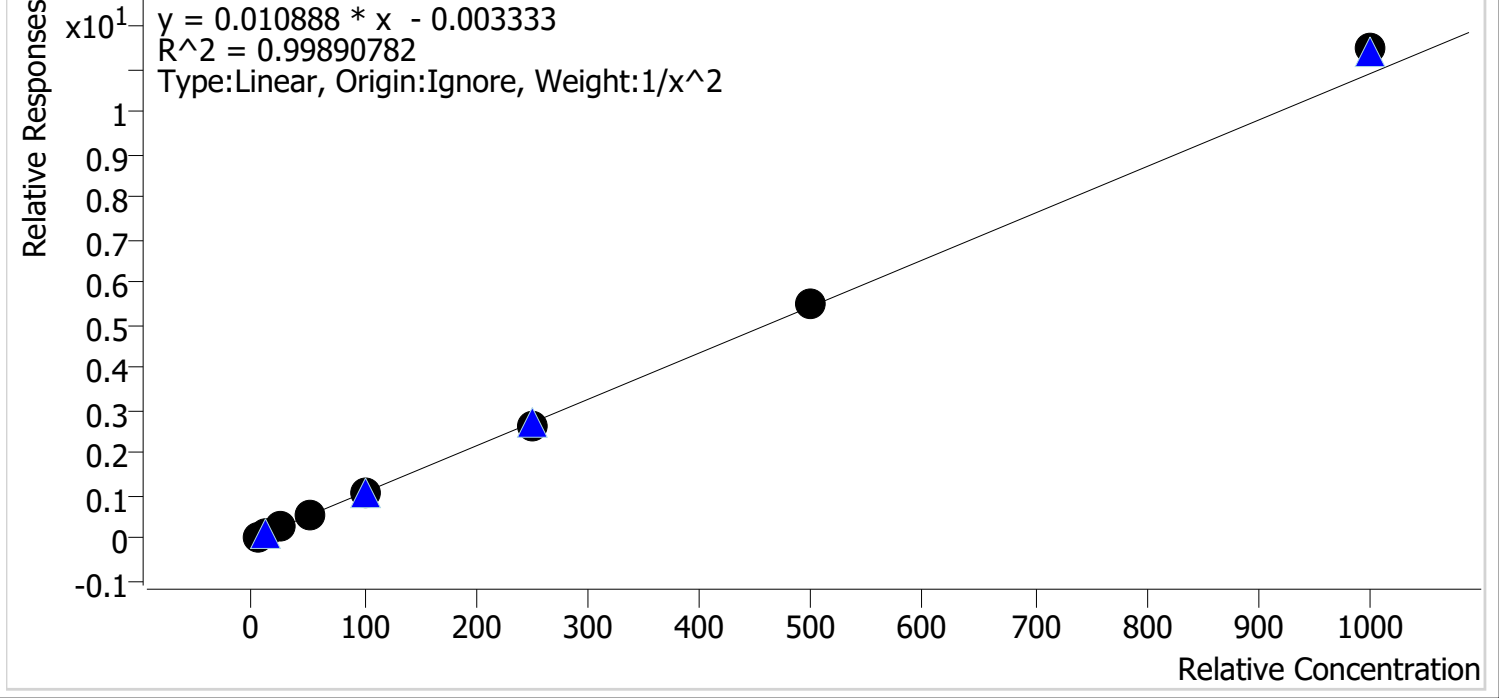


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



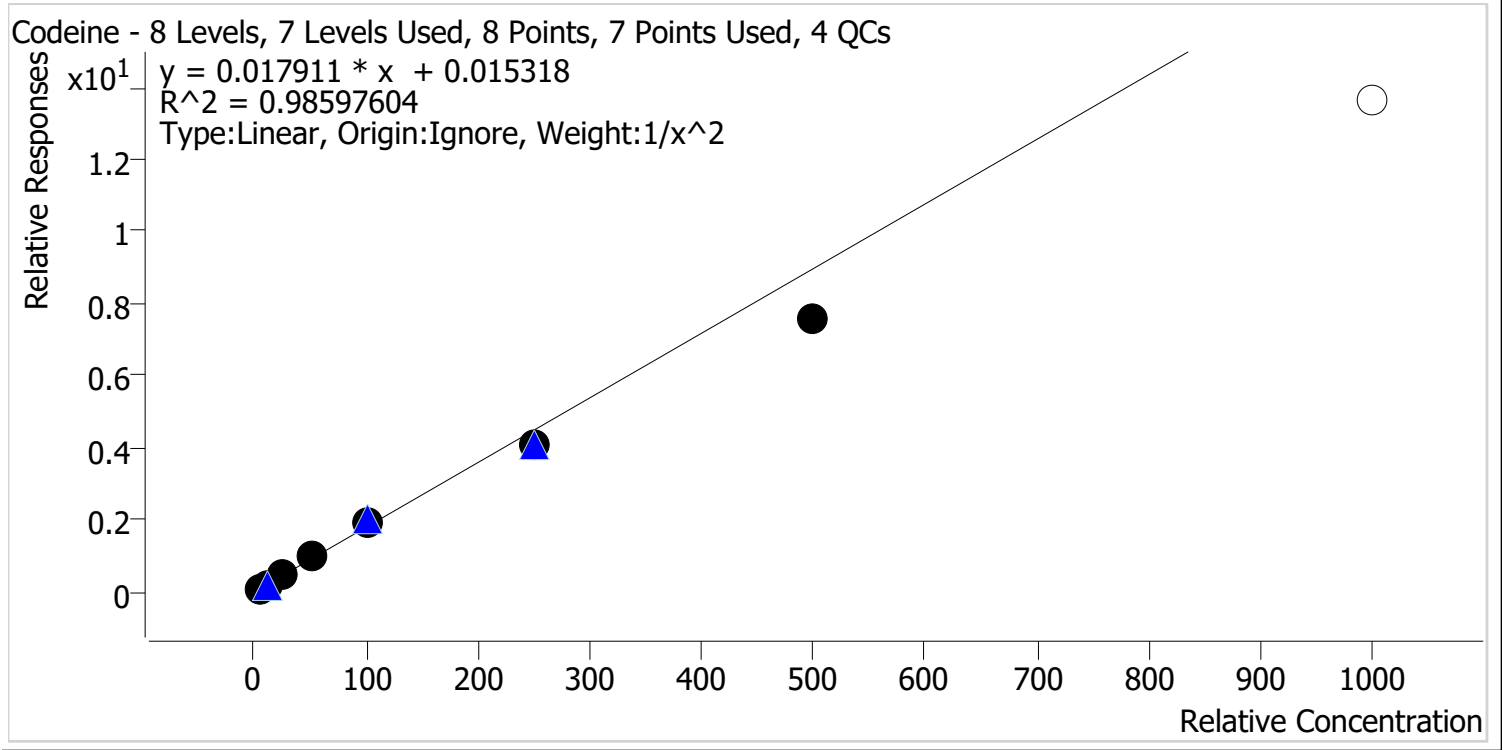
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1053.7	105.4



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 6/14/2021 11:16 AM
 Analyst Name ISP\datastor
 Analyte Codeine Internal Standard Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	228.0	91.2
p1 Cal 7-500ng	7	✓	500.0	423.1	84.6
p1 Cal 8-1000ng	8	✗	1000.0	760.0	76.0

Calibrator 8 dropped due to not meeting accuracy requirements

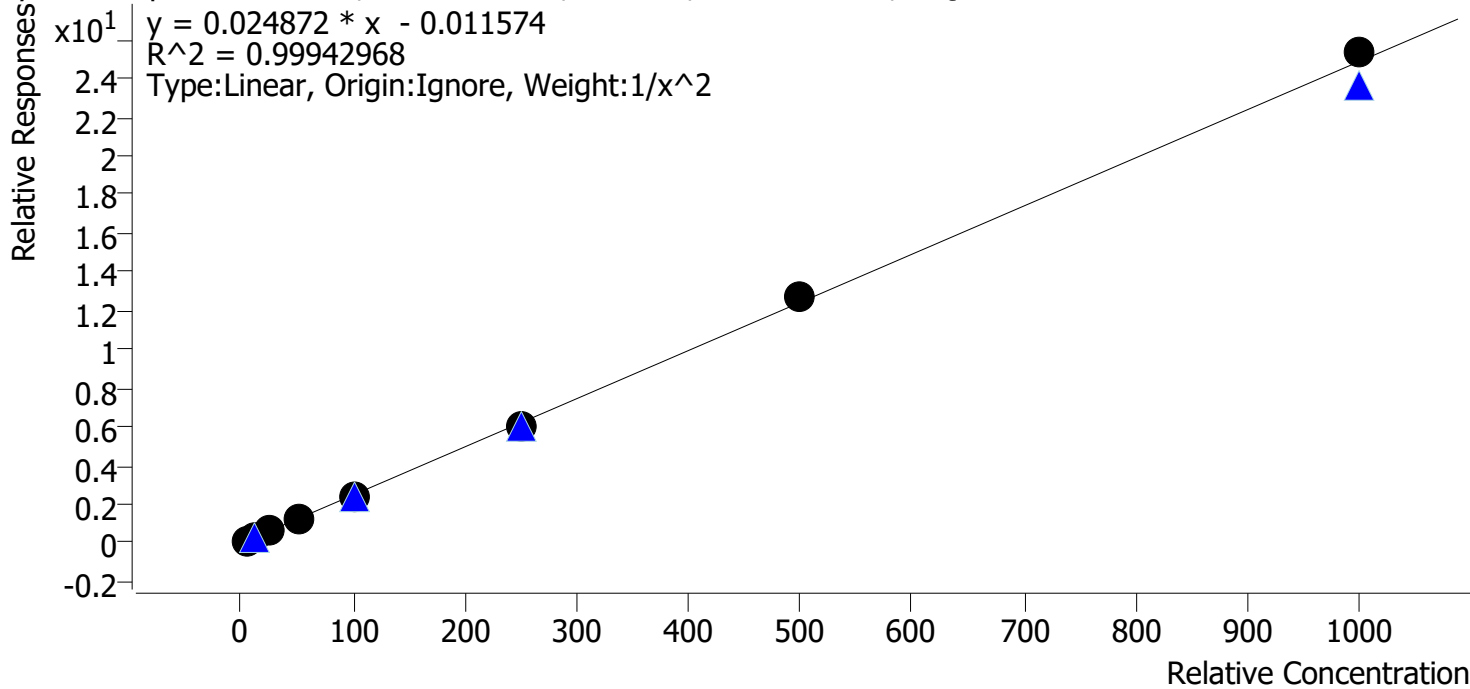


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

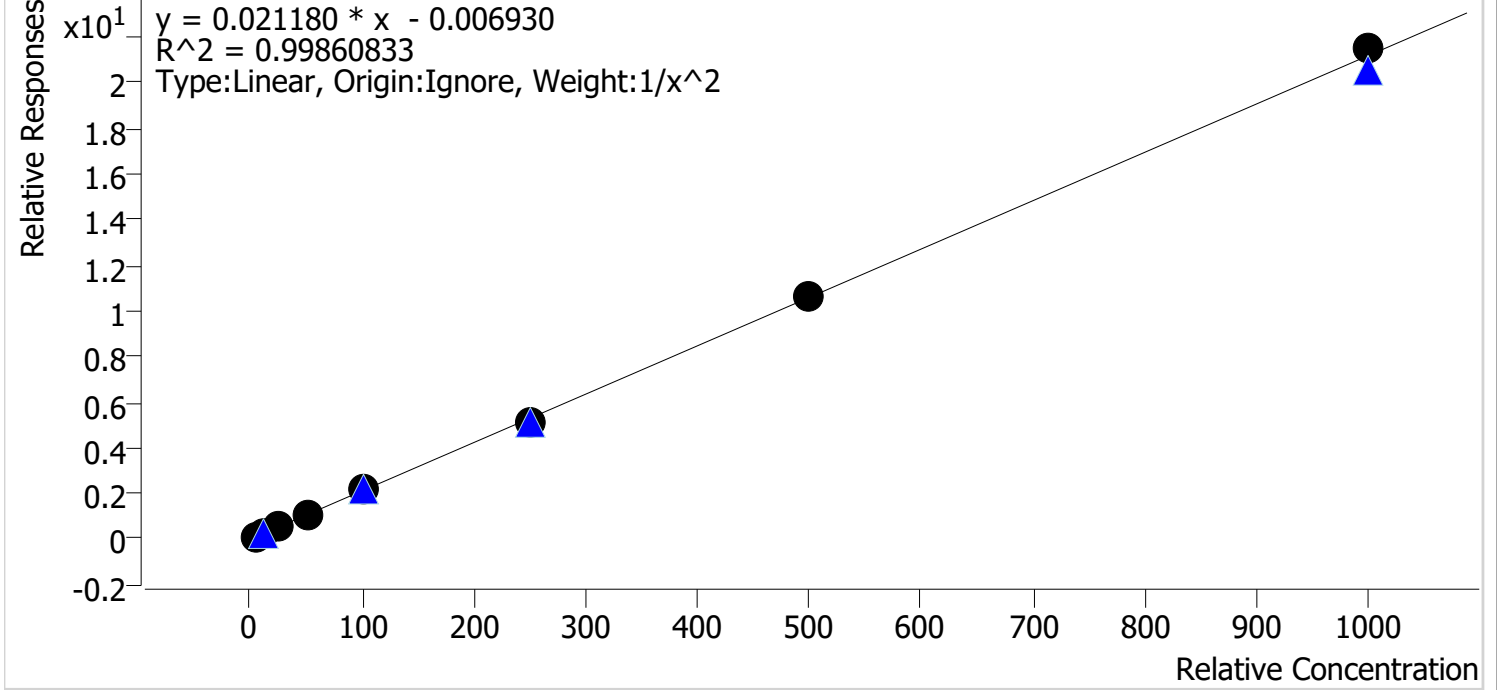


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



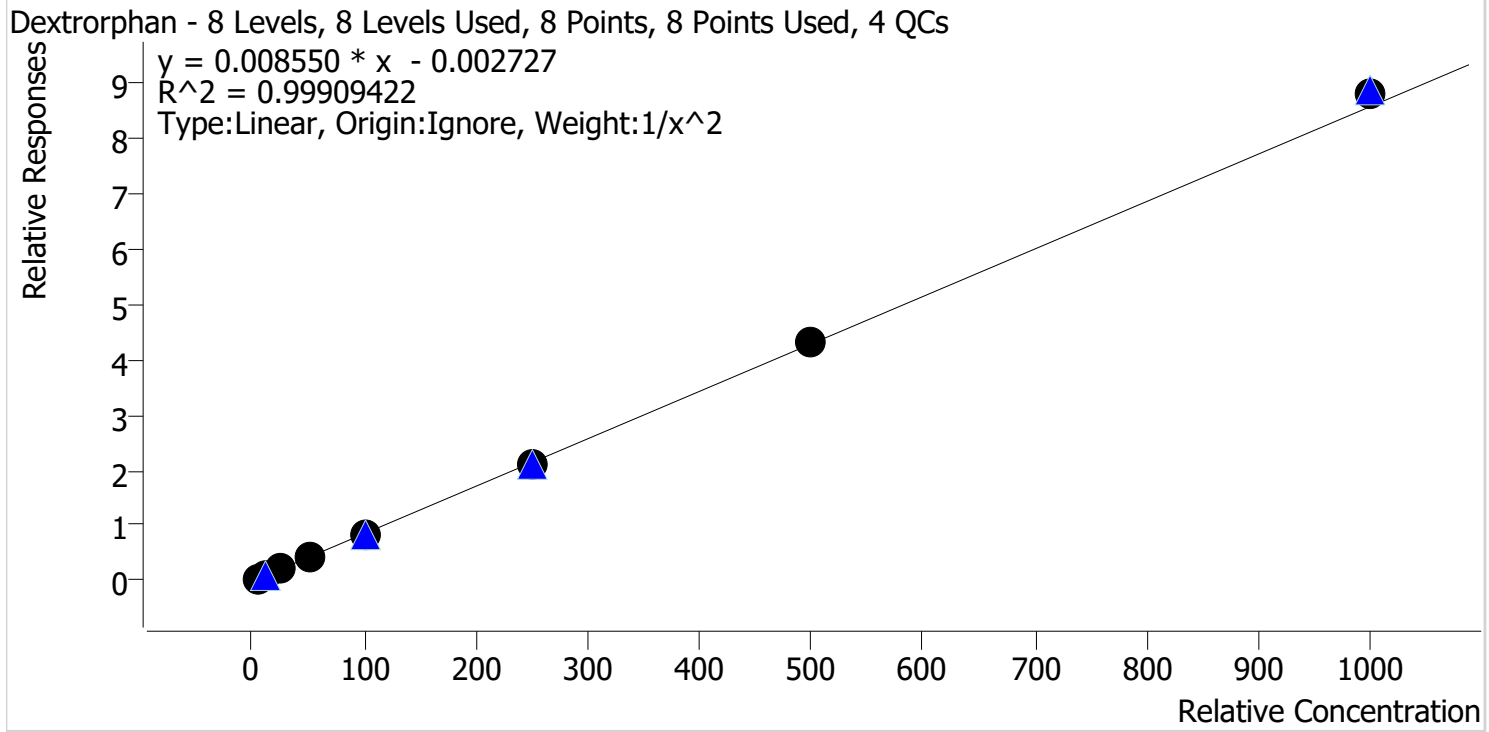
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1014.6	101.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



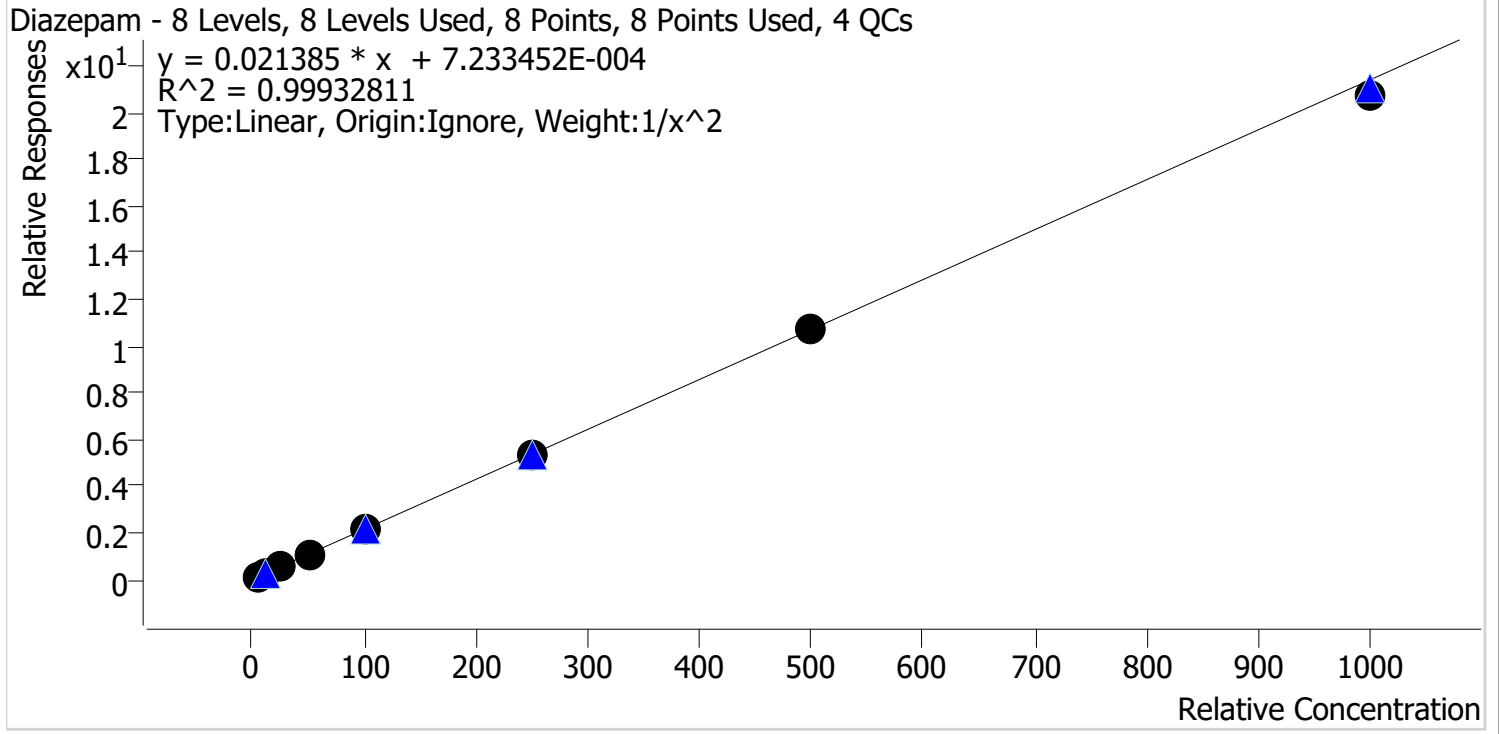
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1025.2	102.5



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	970.3	97.0

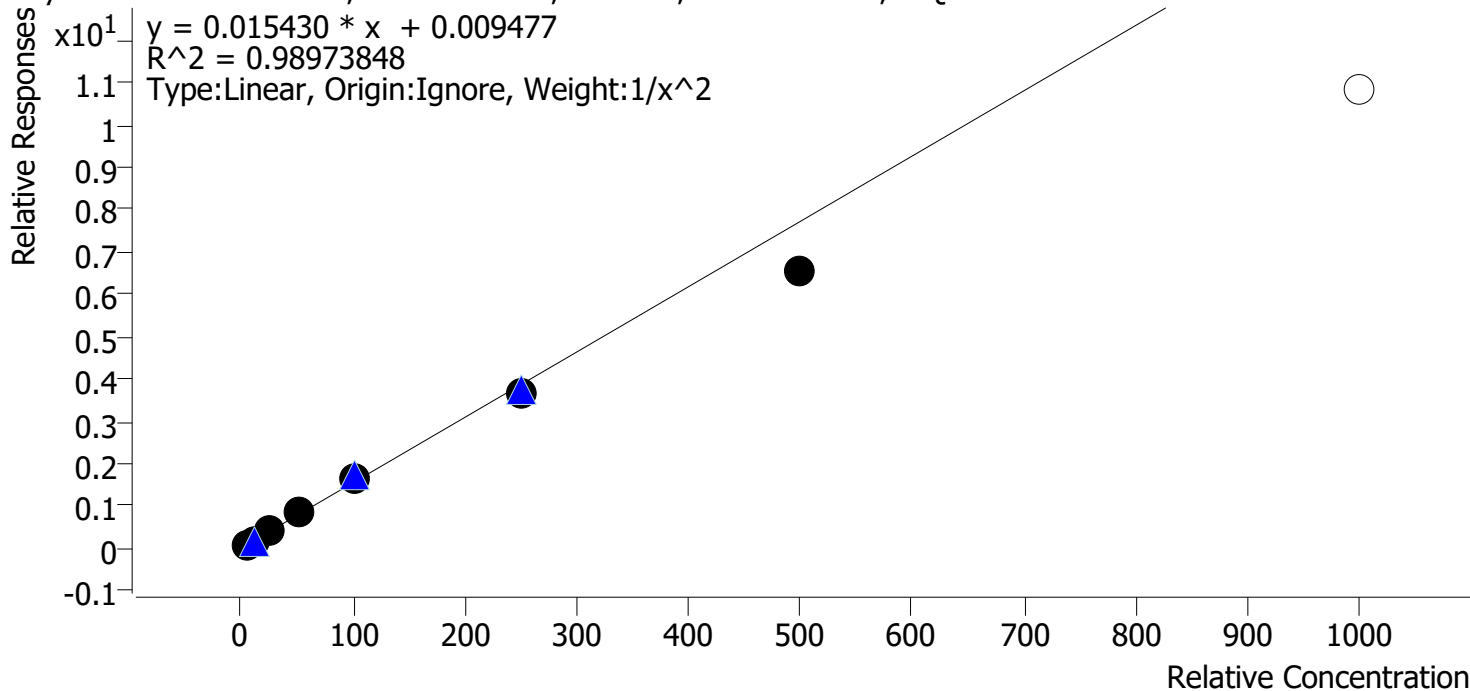
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 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	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	55.8	111.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	236.5	94.6
p1 Cal 7-500ng	7	✓	500.0	426.2	85.2
p1 Cal 8-1000ng	8	✗	1000.0	704.3	70.4

Calibrator 8 dropped due to not meeting accuracy requirements

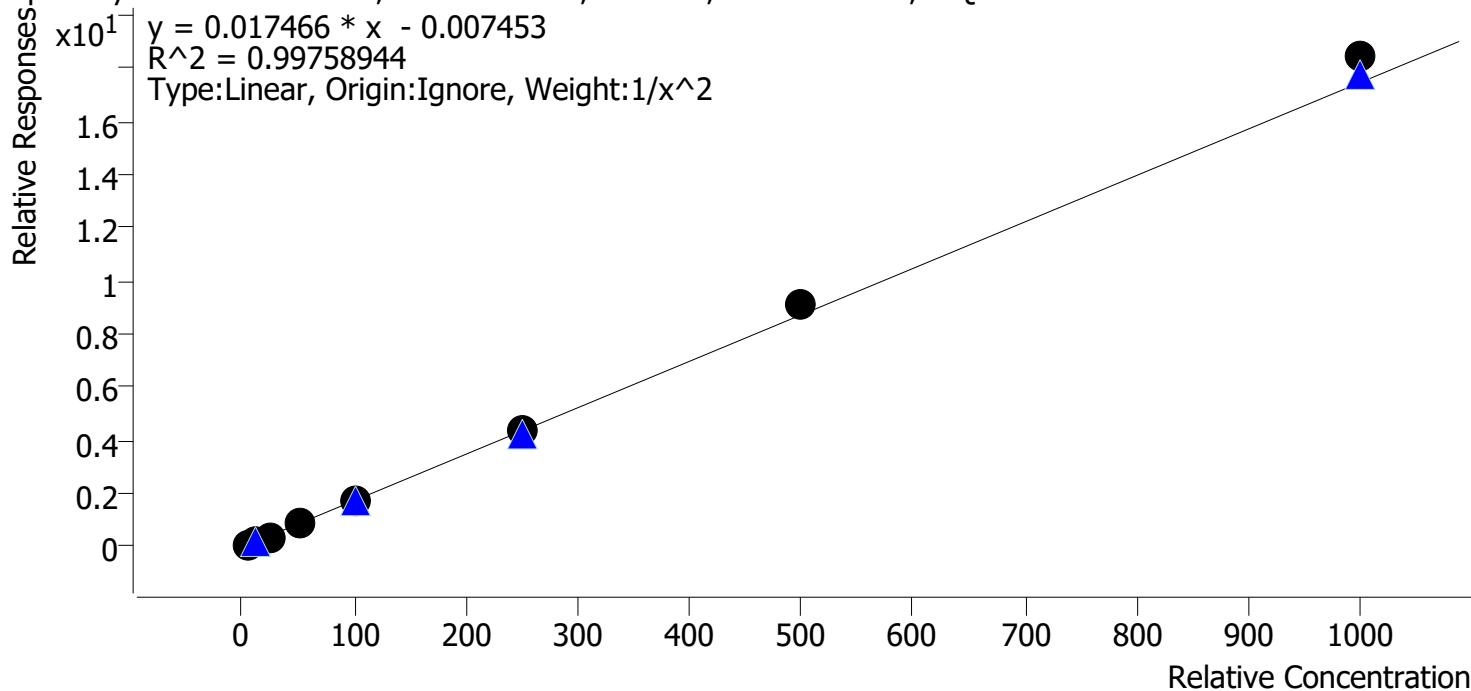
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



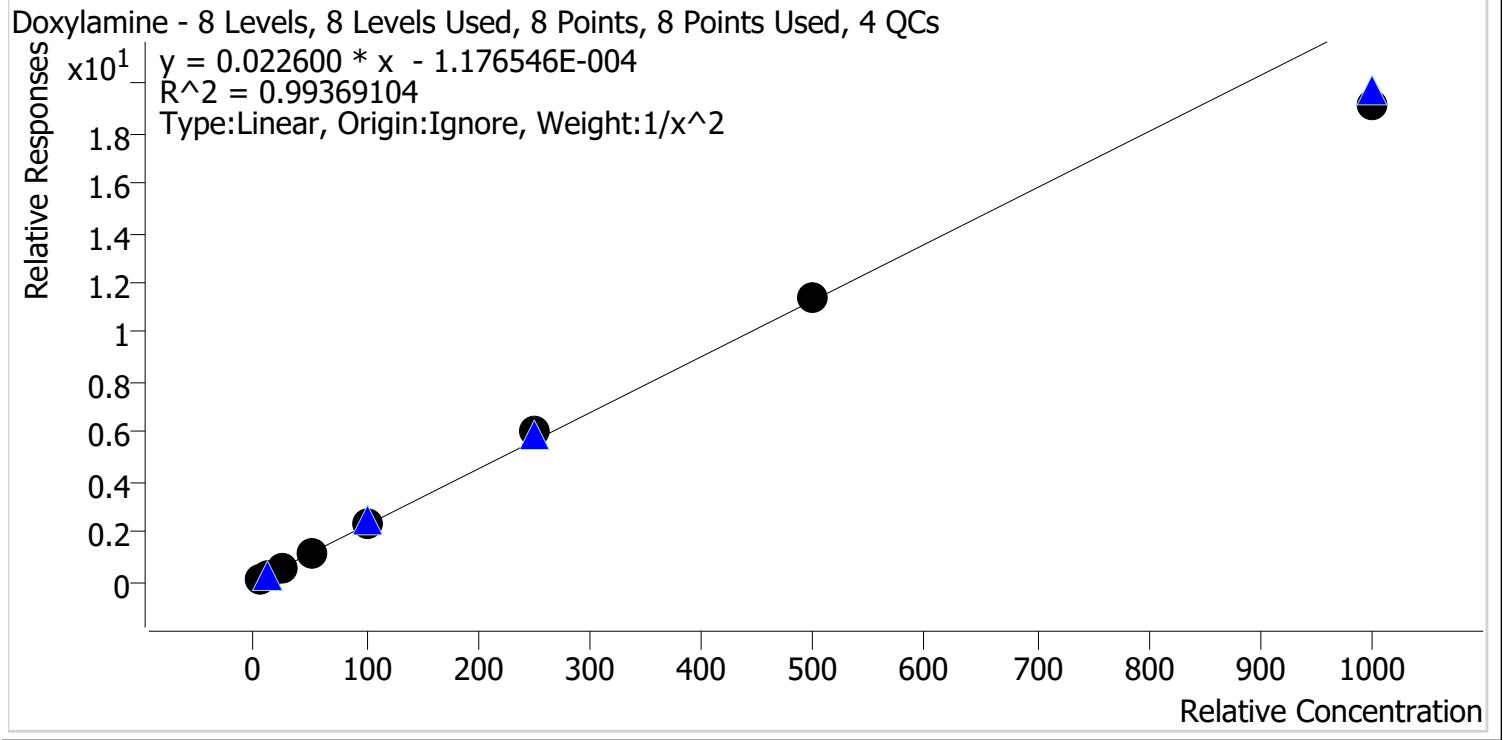
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	521.2	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1055.9	105.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



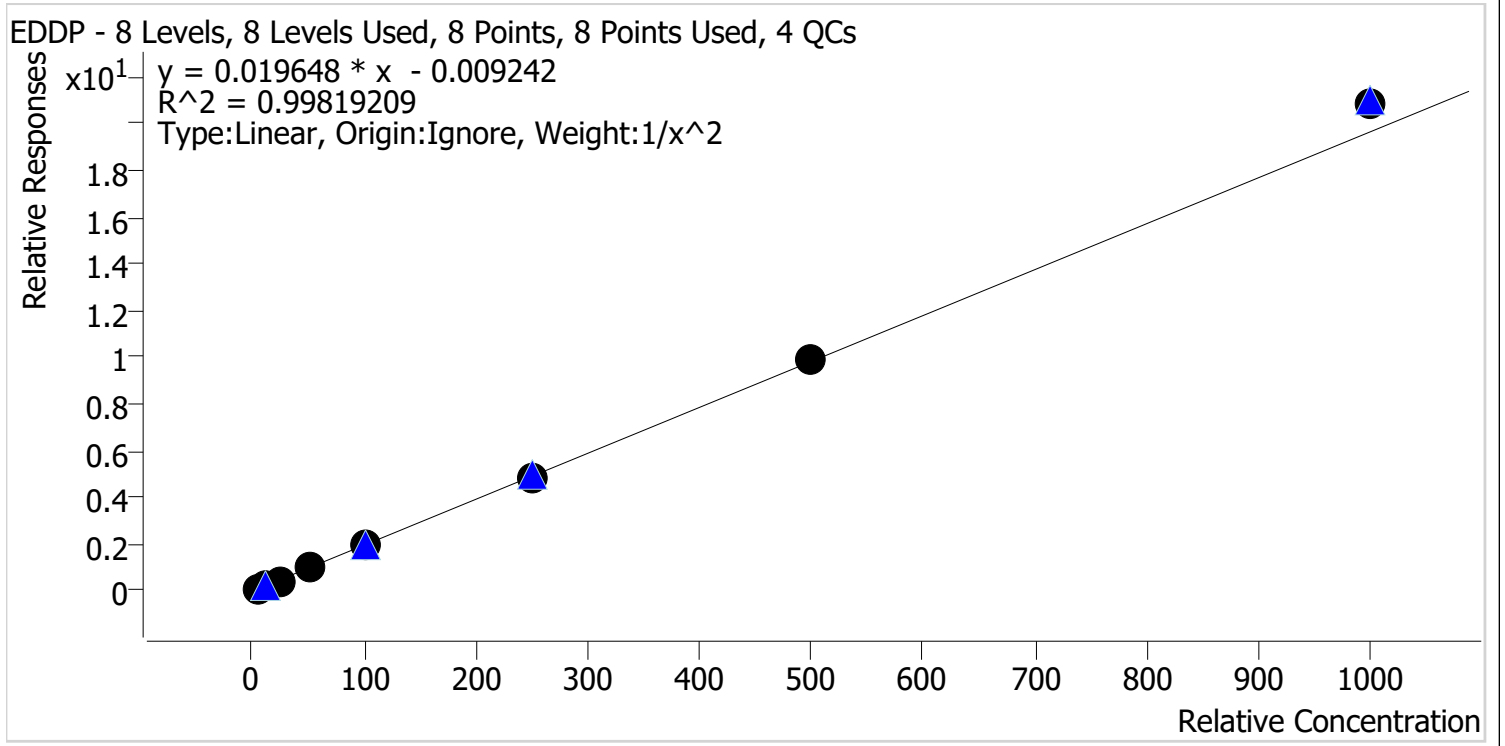
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	264.4	105.8
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	850.8	85.1



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1063.9	106.4

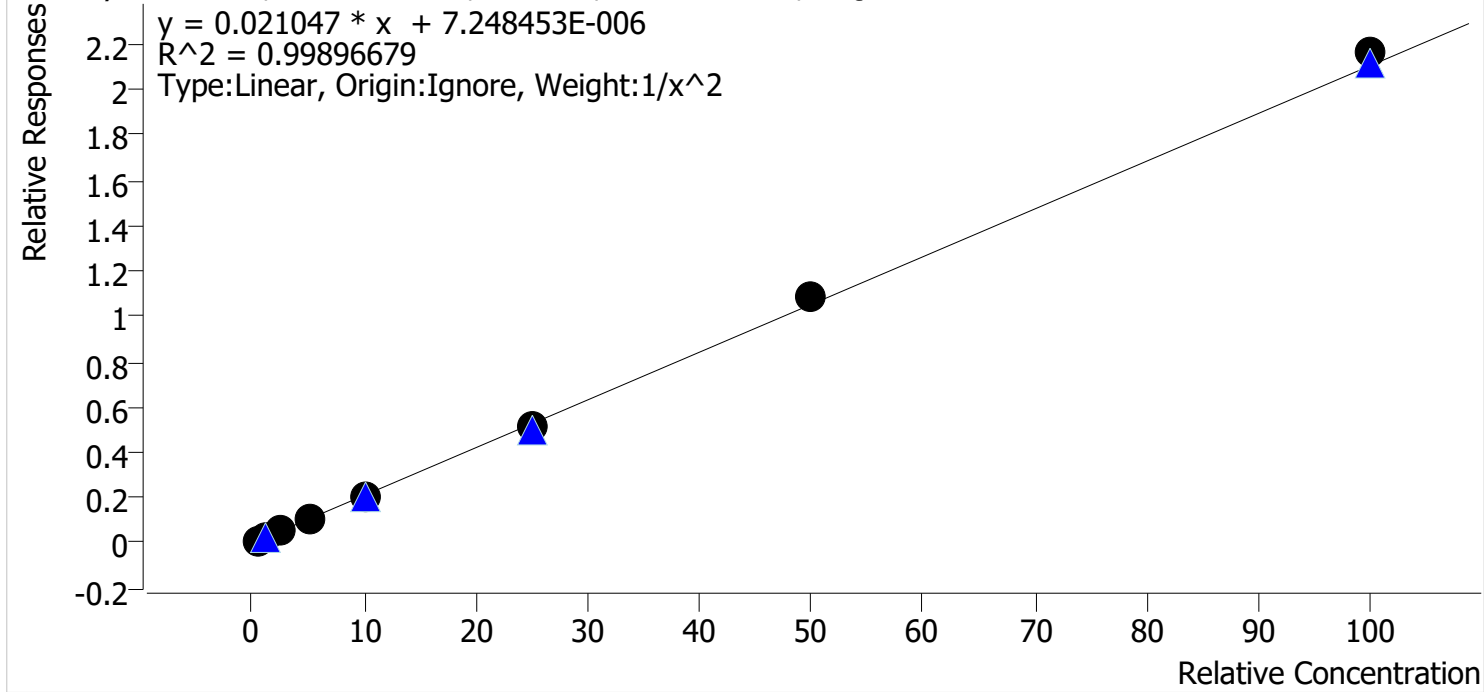
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



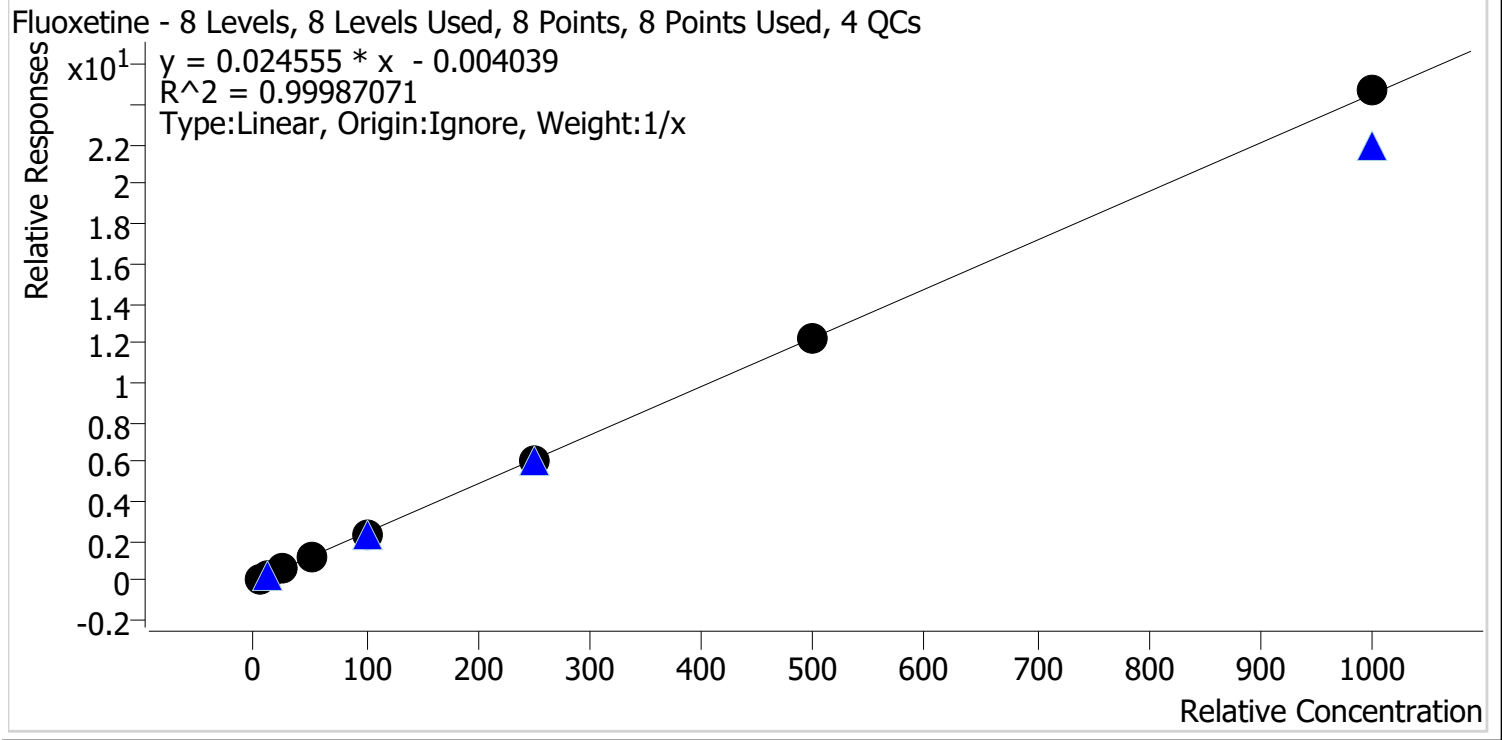
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.9
p1 Cal 2-10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.1
p1 Cal 4-50ng	4	✓	5.0	5.1	102.2
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	51.5	102.9
p1 Cal 8-1000ng	8	✓	100.0	102.7	102.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



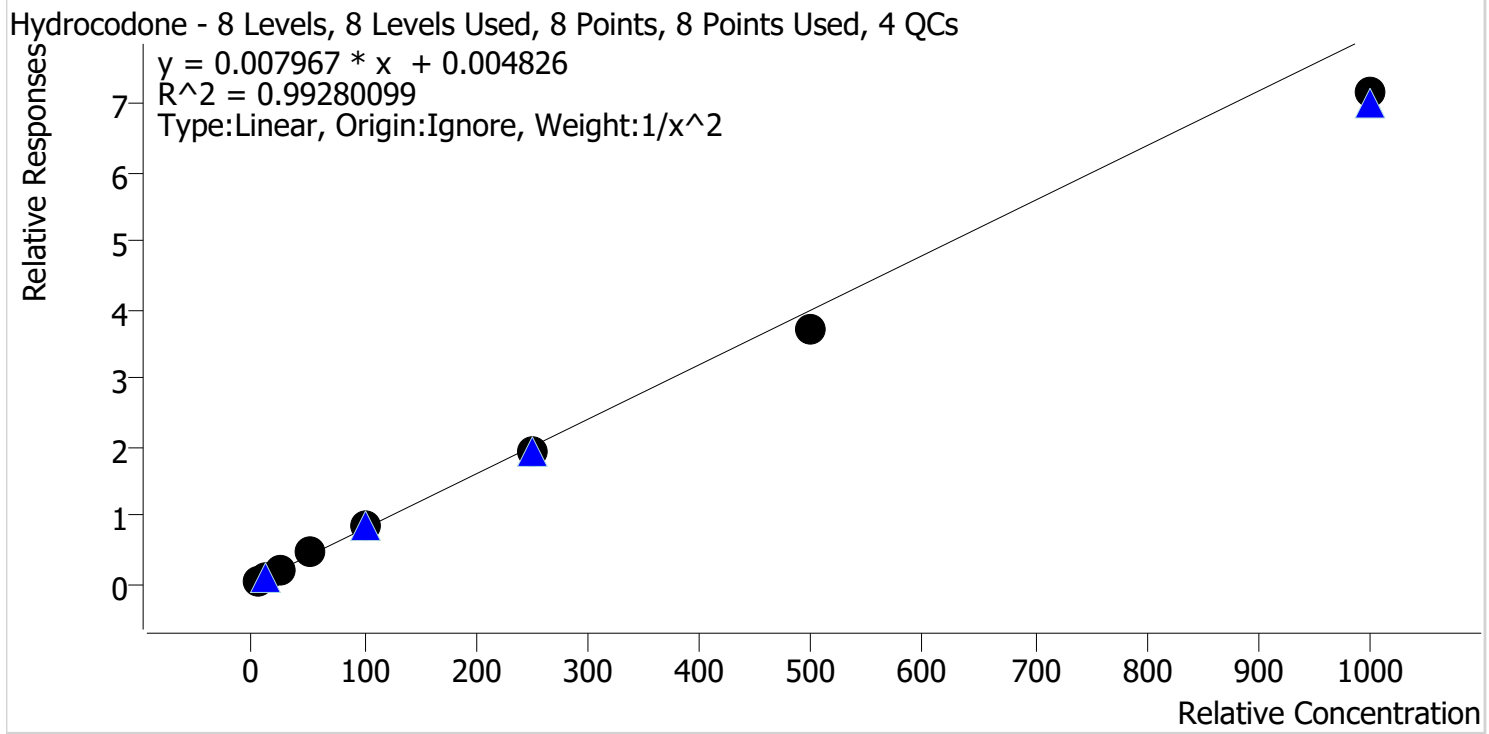
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.4	100.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



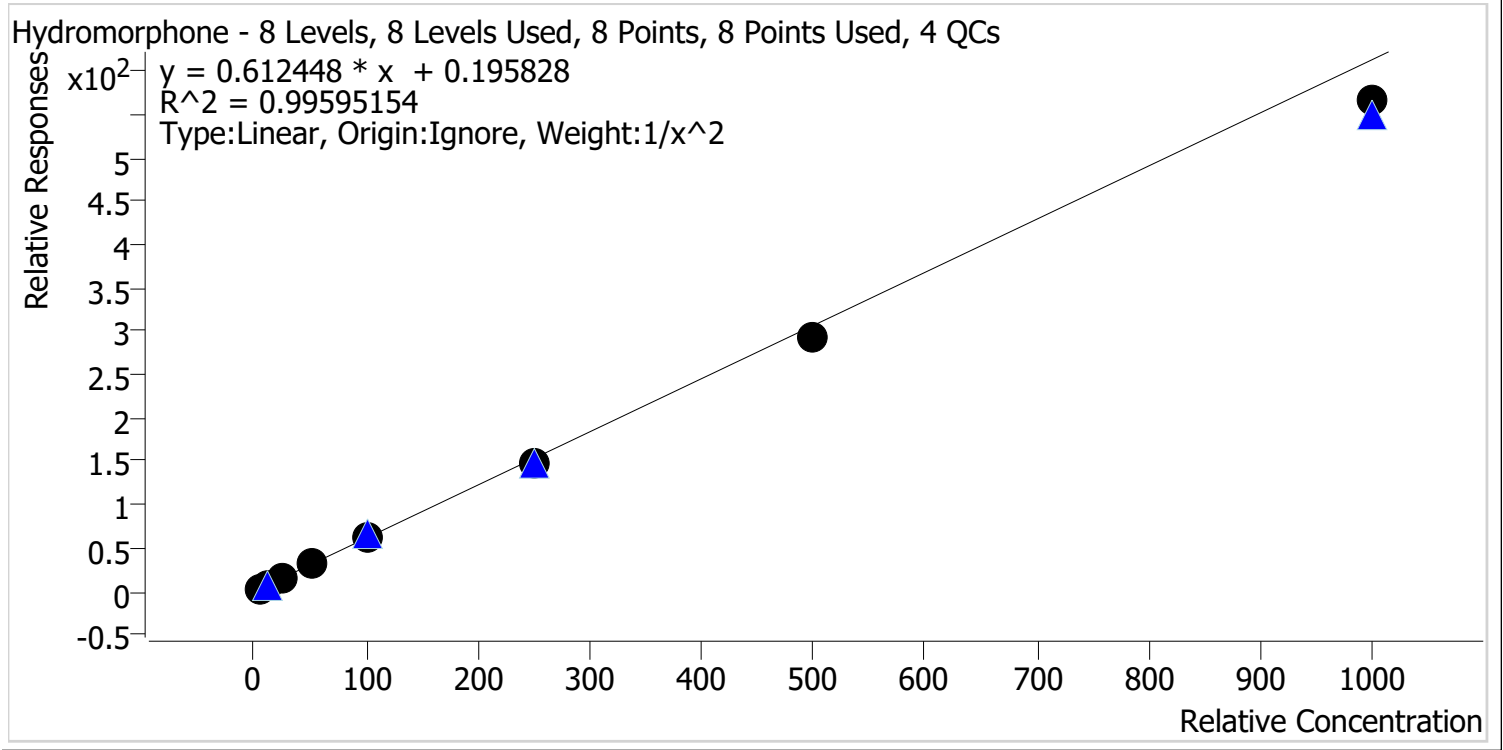
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	56.7	113.4
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	467.0	93.4
p1 Cal 8-1000ng	8	✓	1000.0	897.3	89.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6



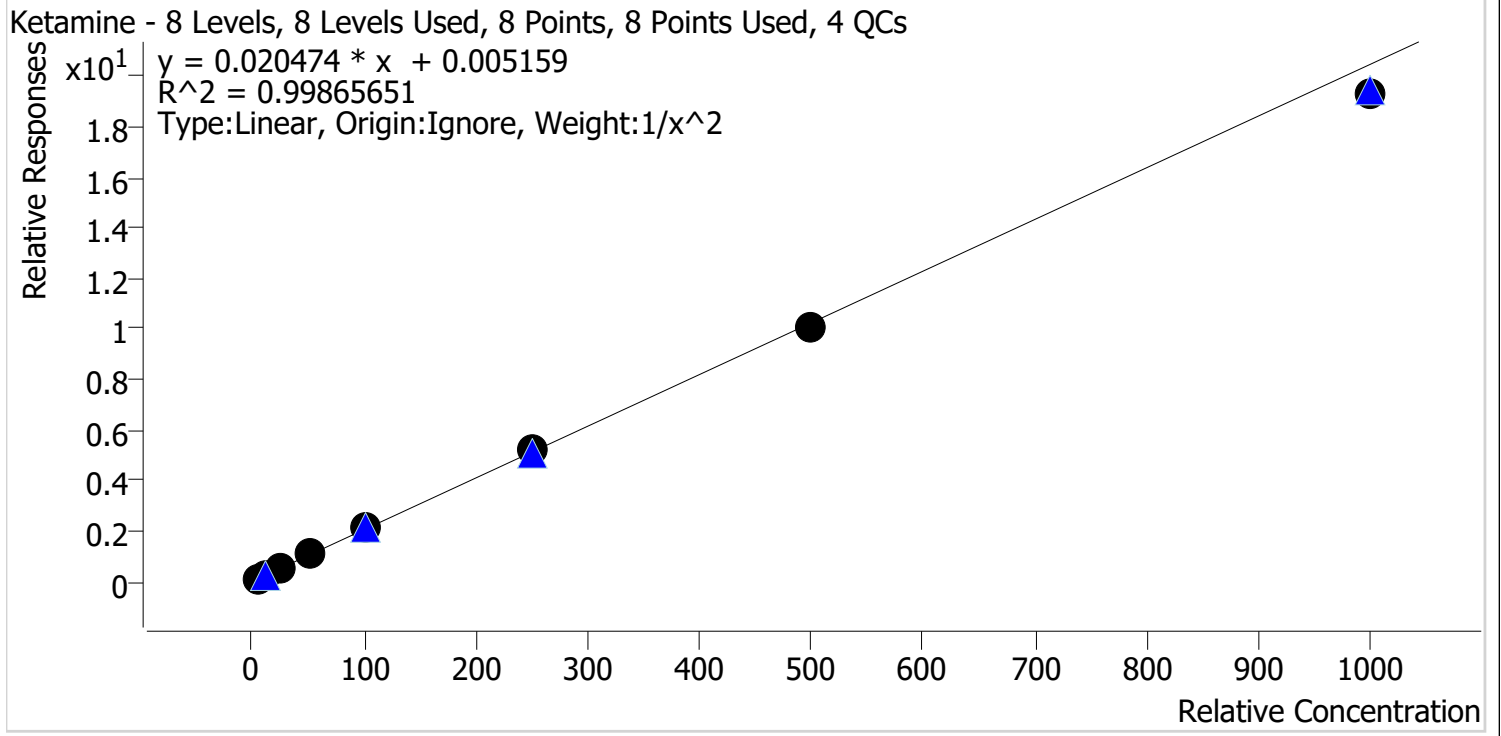
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	478.1	95.6
p1 Cal 8-1000ng	8	✓	1000.0	923.0	92.3



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



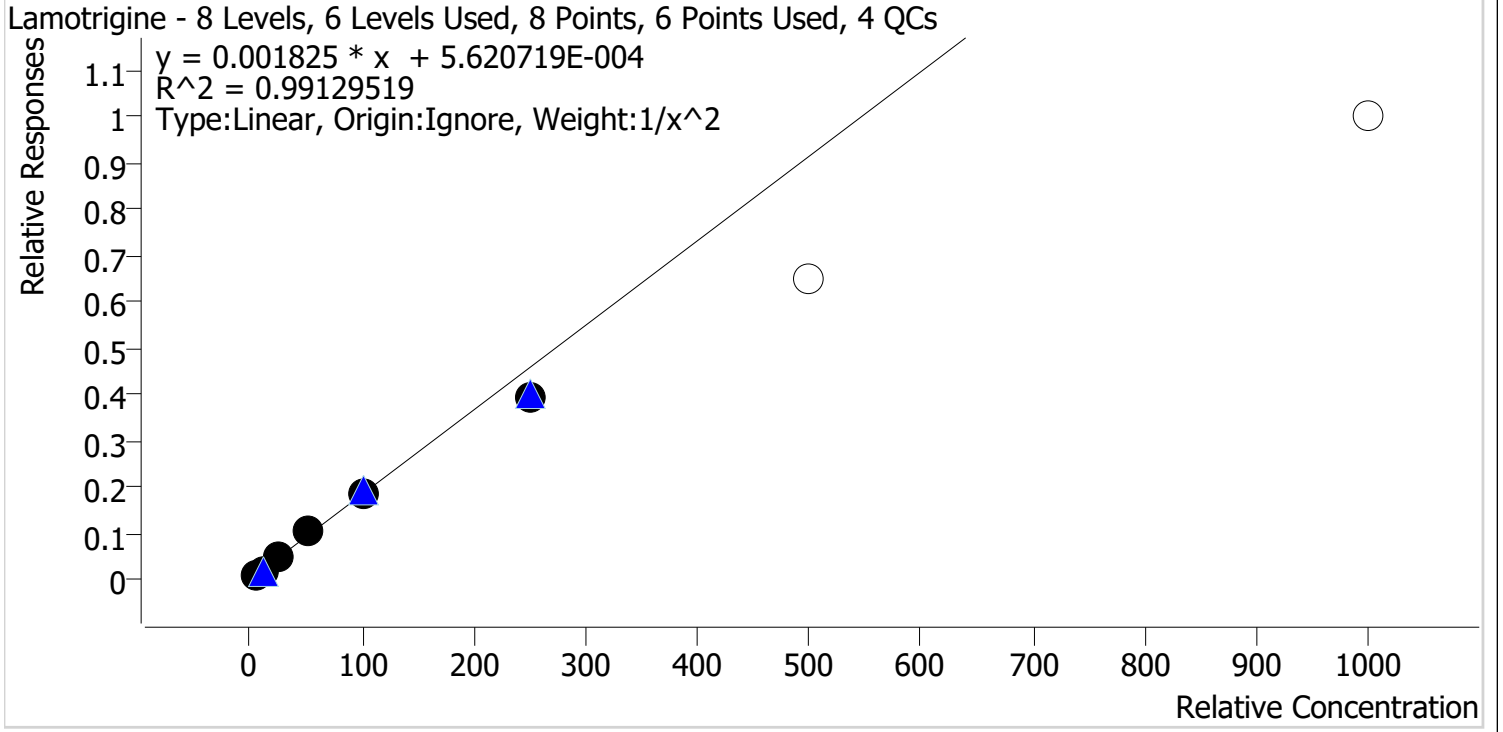
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	946.5	94.7



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	216.7	86.7
p1 Cal 7-500ng	7	x	500.0	353.4	70.7
p1 Cal 8-1000ng	8	x	1000.0	545.8	54.6

Calibrator 7 and 8 dropped due to not meeting accuracy requirements

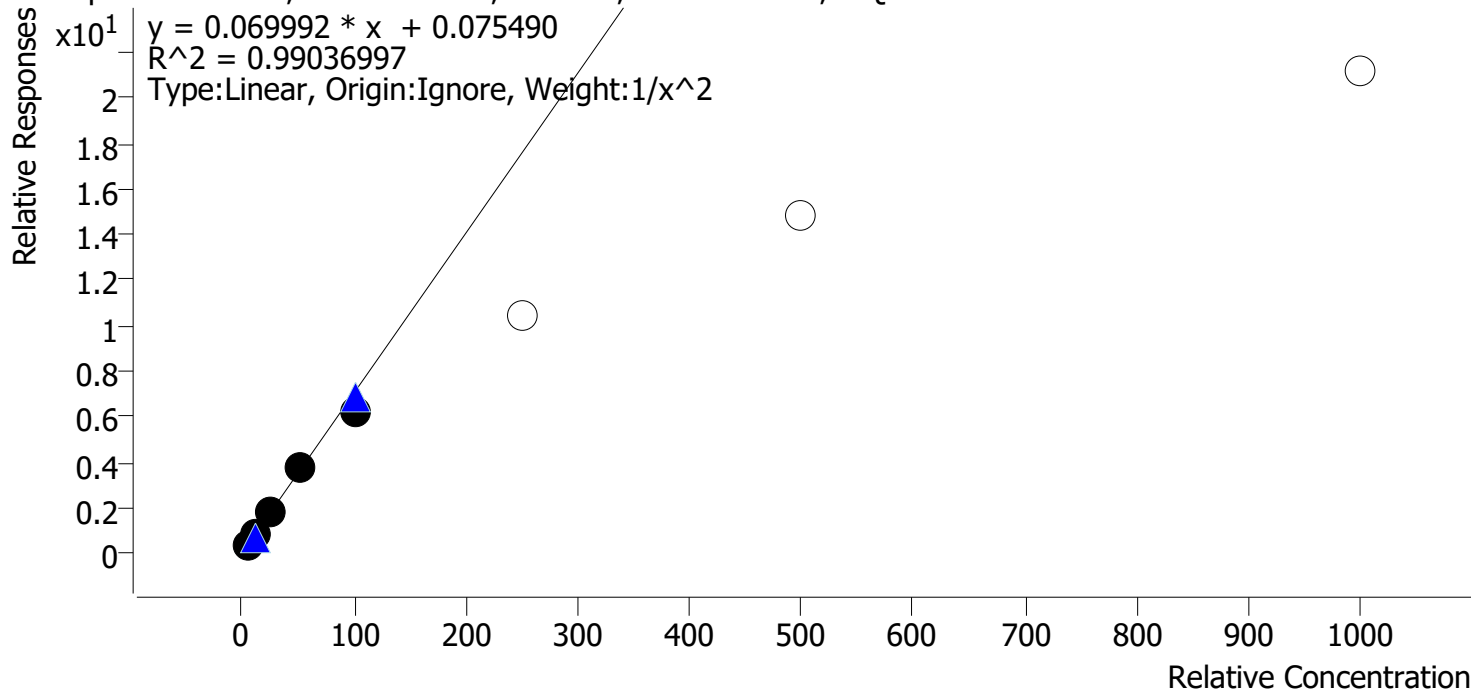
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	88.0	88.0
p1 Cal 6-250ng	6	✗	250.0	148.5	59.4
p1 Cal 7-500ng	7	✗	500.0	210.0	42.0
p1 Cal 8-1000ng	8	✗	1000.0	300.4	30.0

Calibrator 6, 7, and 8 dropped due to not meeting accuracy requirements

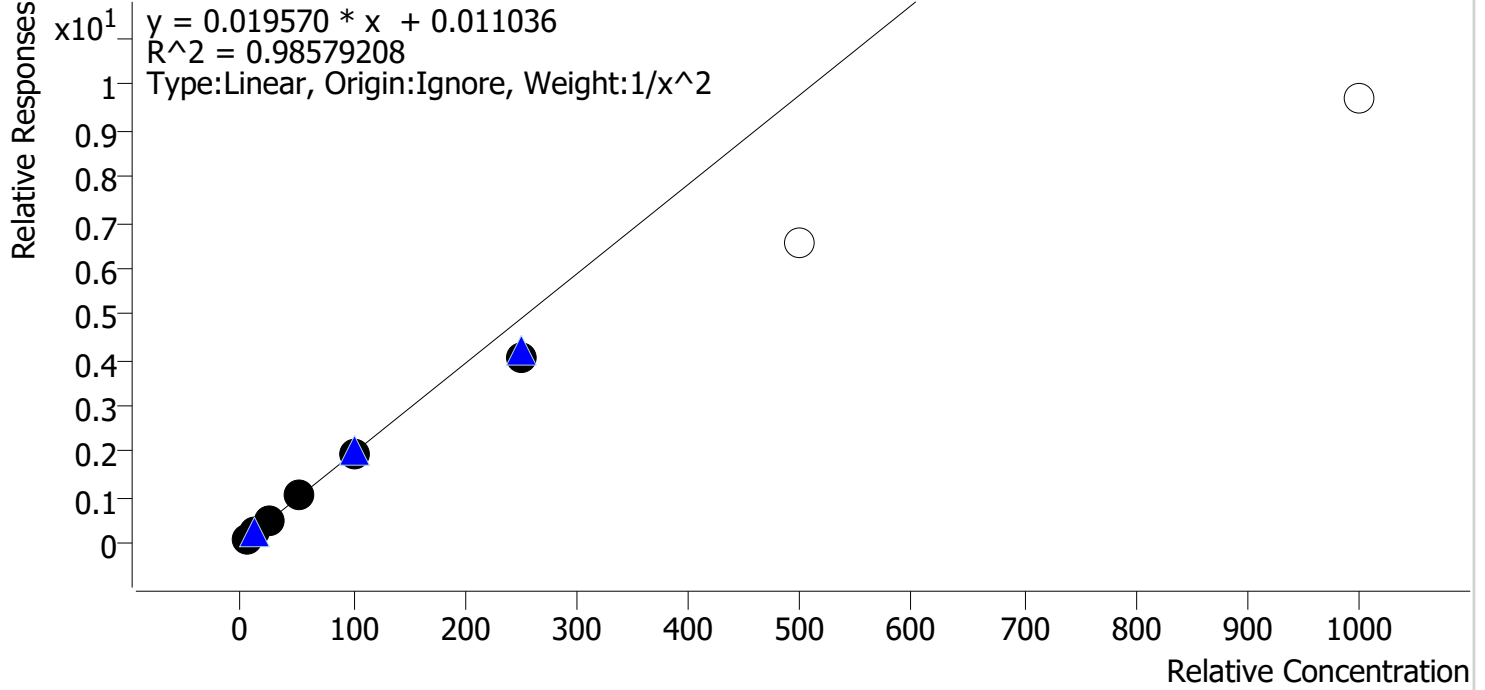


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	207.6	83.1
p1 Cal 7-500ng	7	x	500.0	335.3	67.1
p1 Cal 8-1000ng	8	x	1000.0	495.0	49.5

Calibrator 7 and 8 dropped due to not meeting accuracy requirements

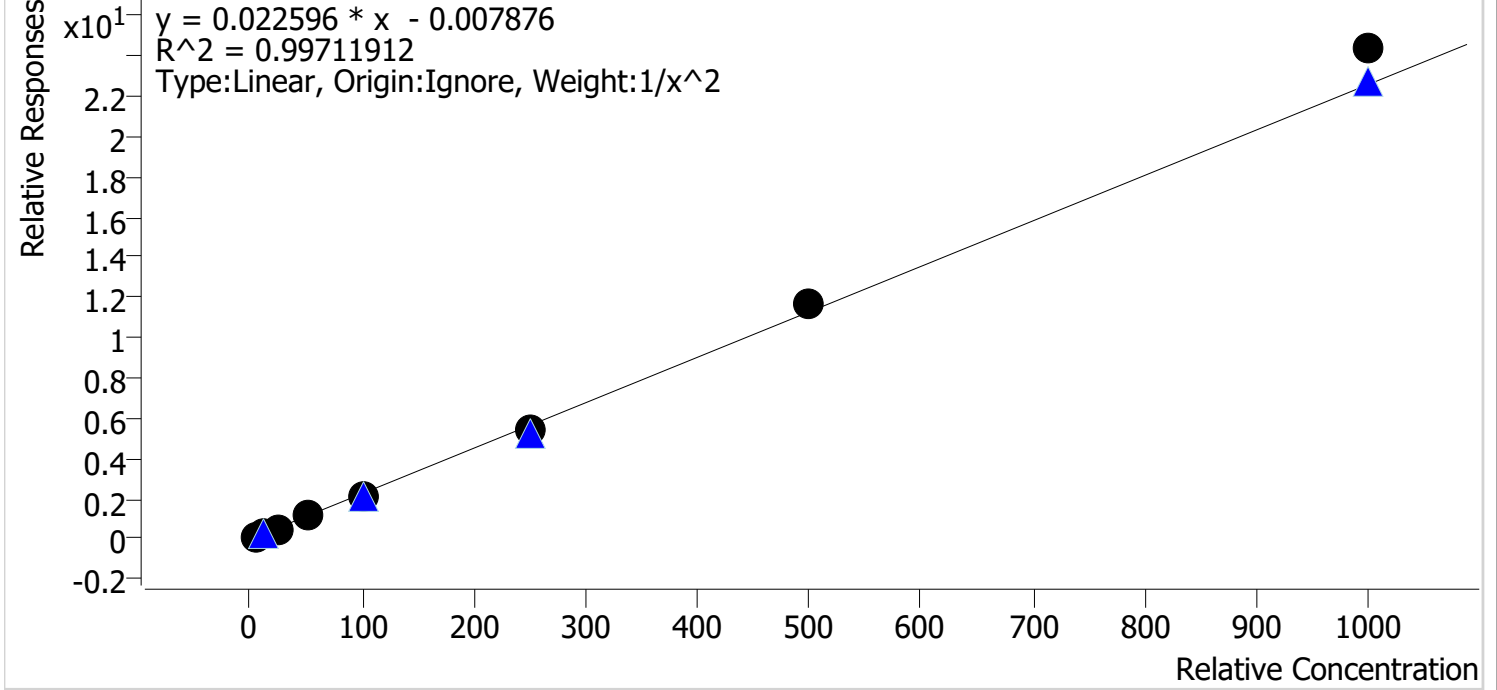


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 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	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1079.1	107.9

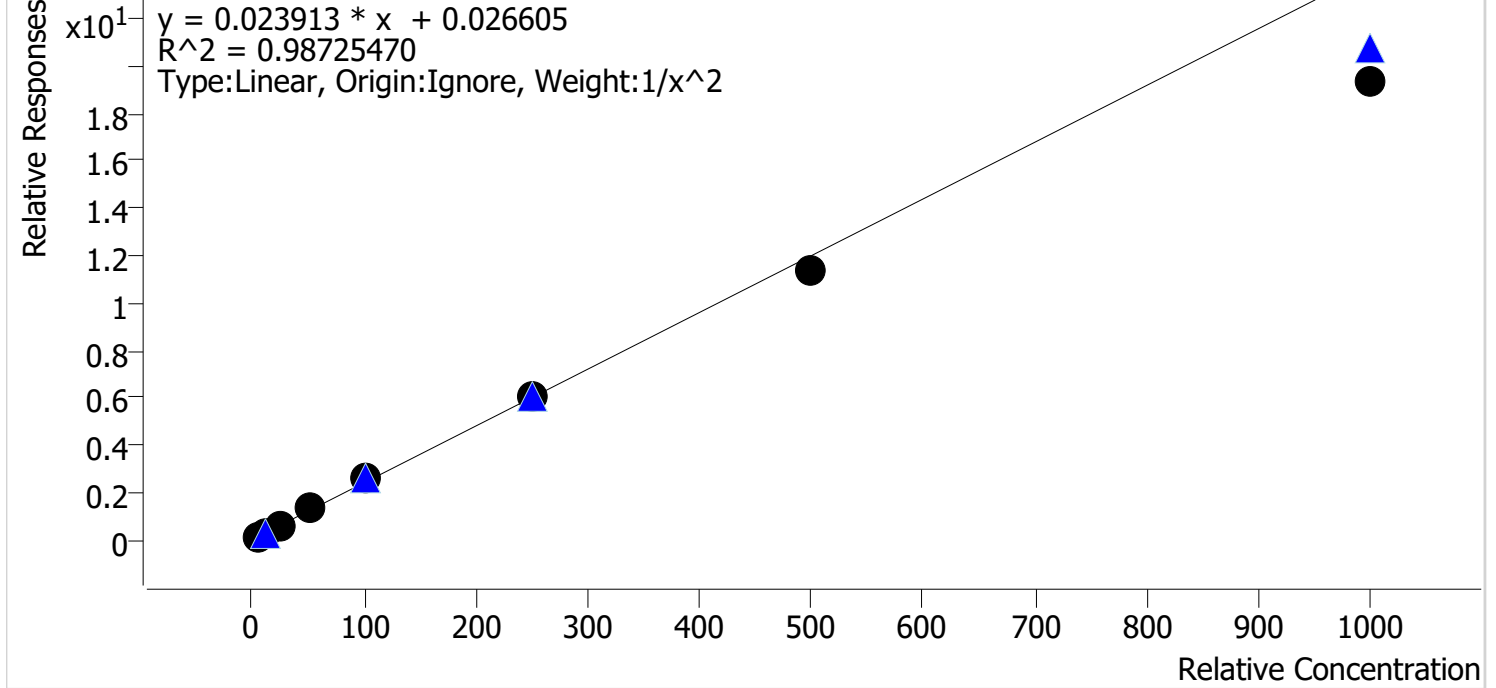


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	56.8	113.6
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	473.3	94.7
p1 Cal 8-1000ng	8	✓	1000.0	806.7	80.7

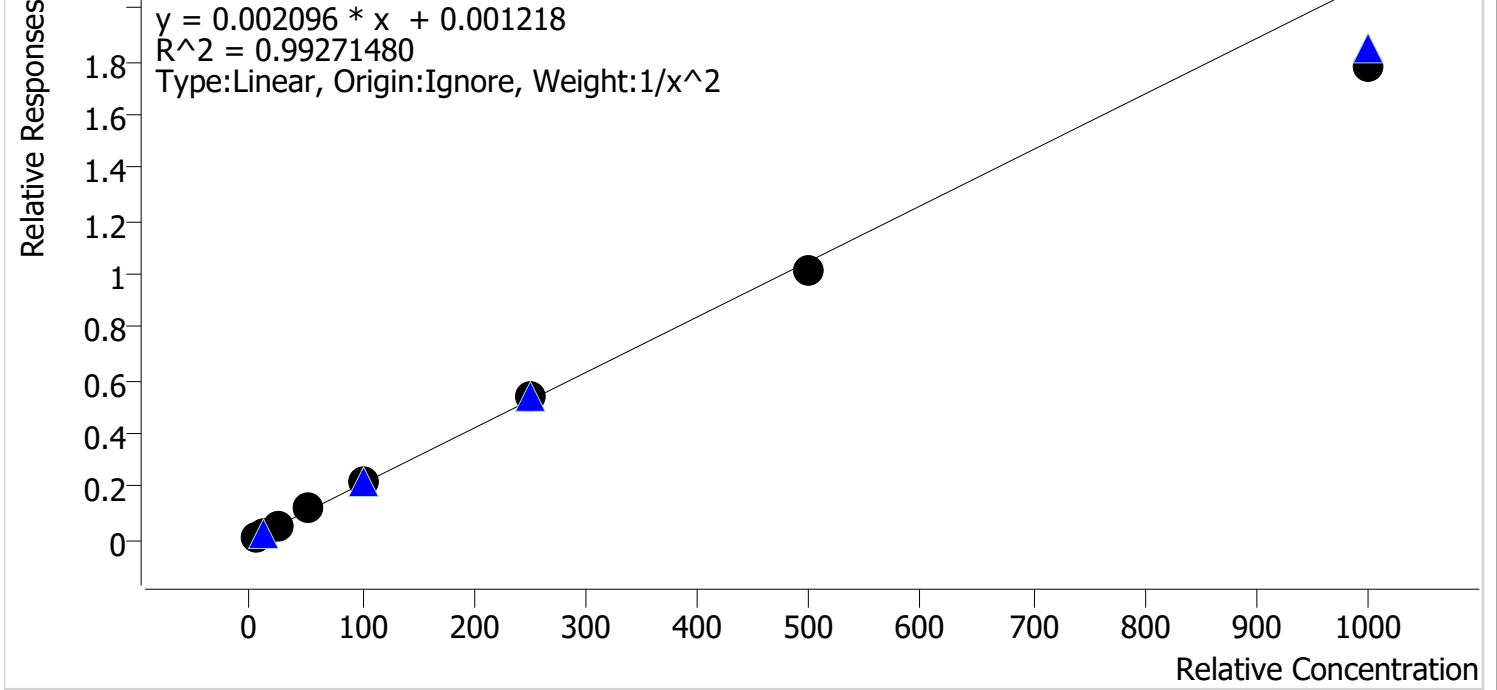


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	259.1	103.6
p1 Cal 7-500ng	7	✓	500.0	483.5	96.7
p1 Cal 8-1000ng	8	✓	1000.0	849.9	85.0

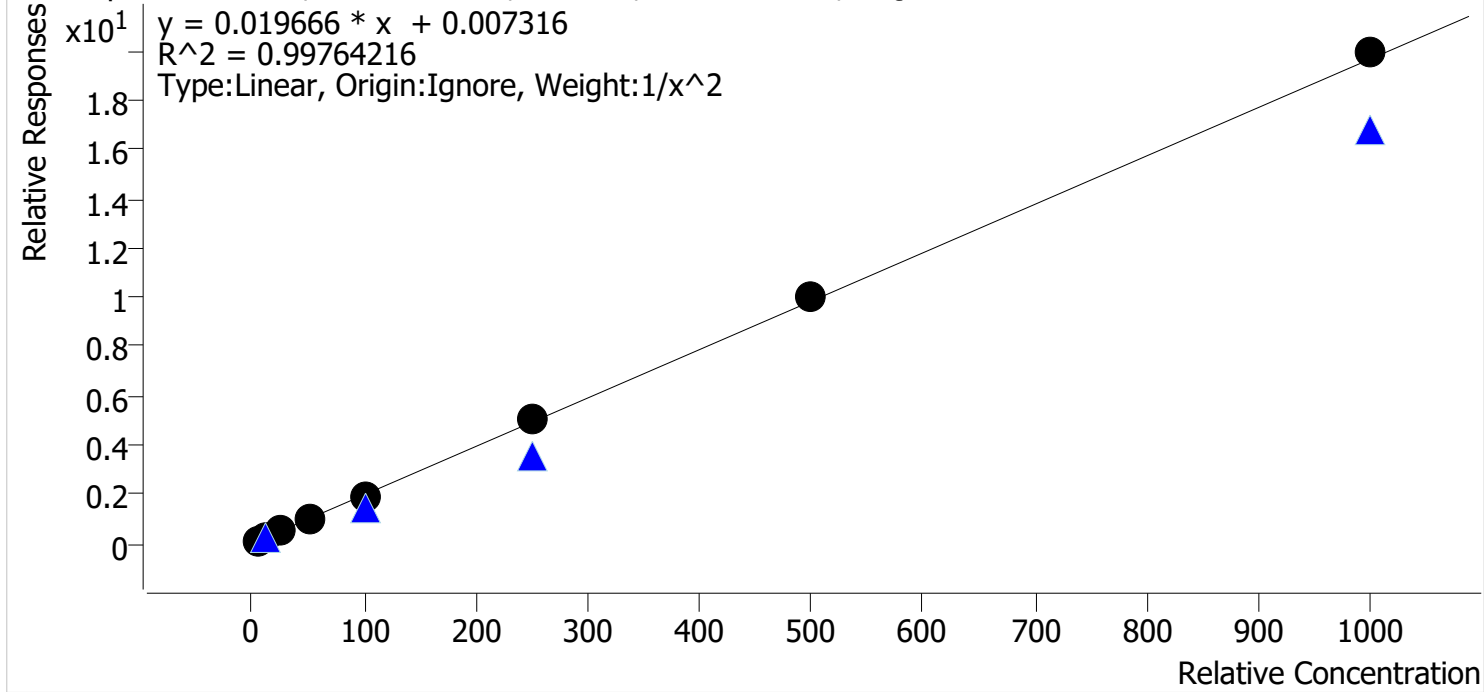
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

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



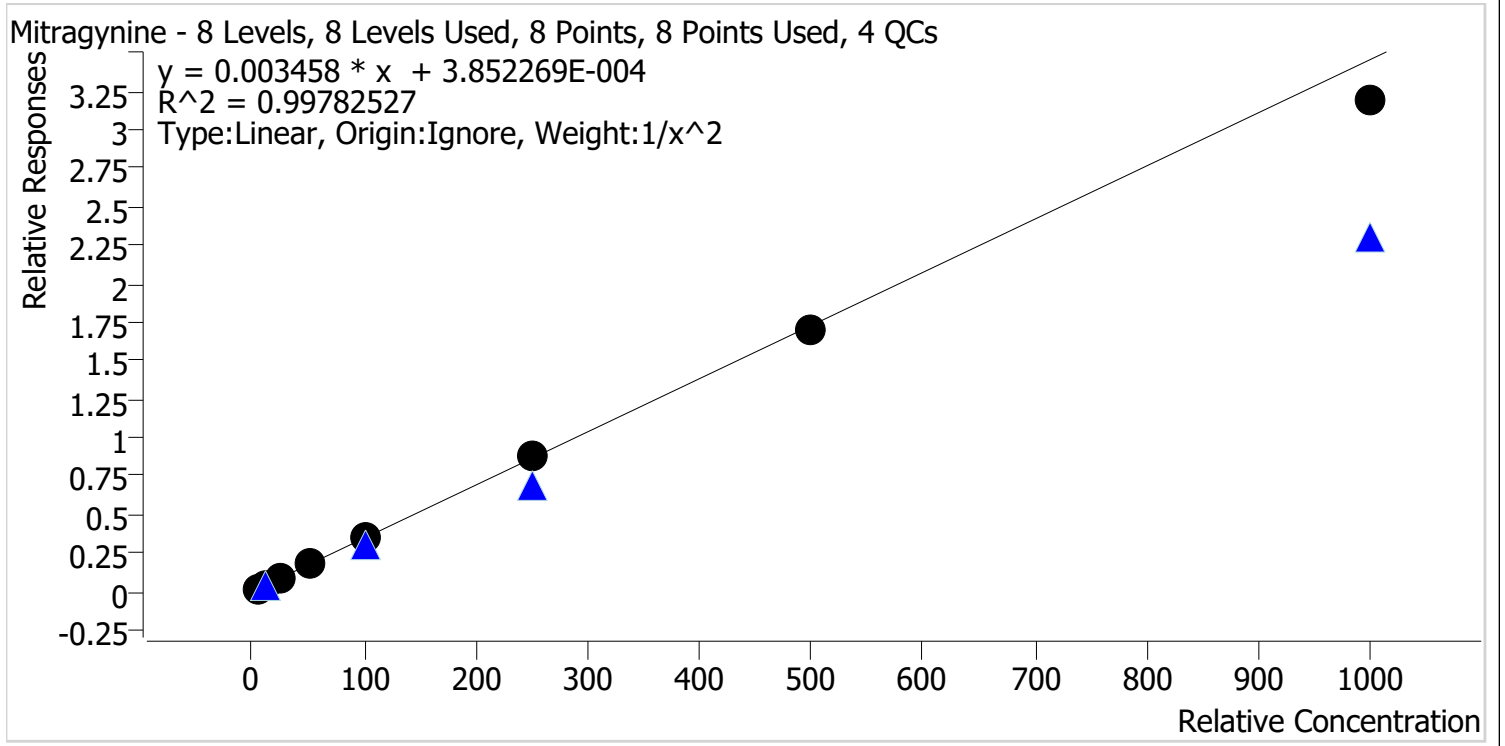
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.2	92.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1013.5	101.3



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



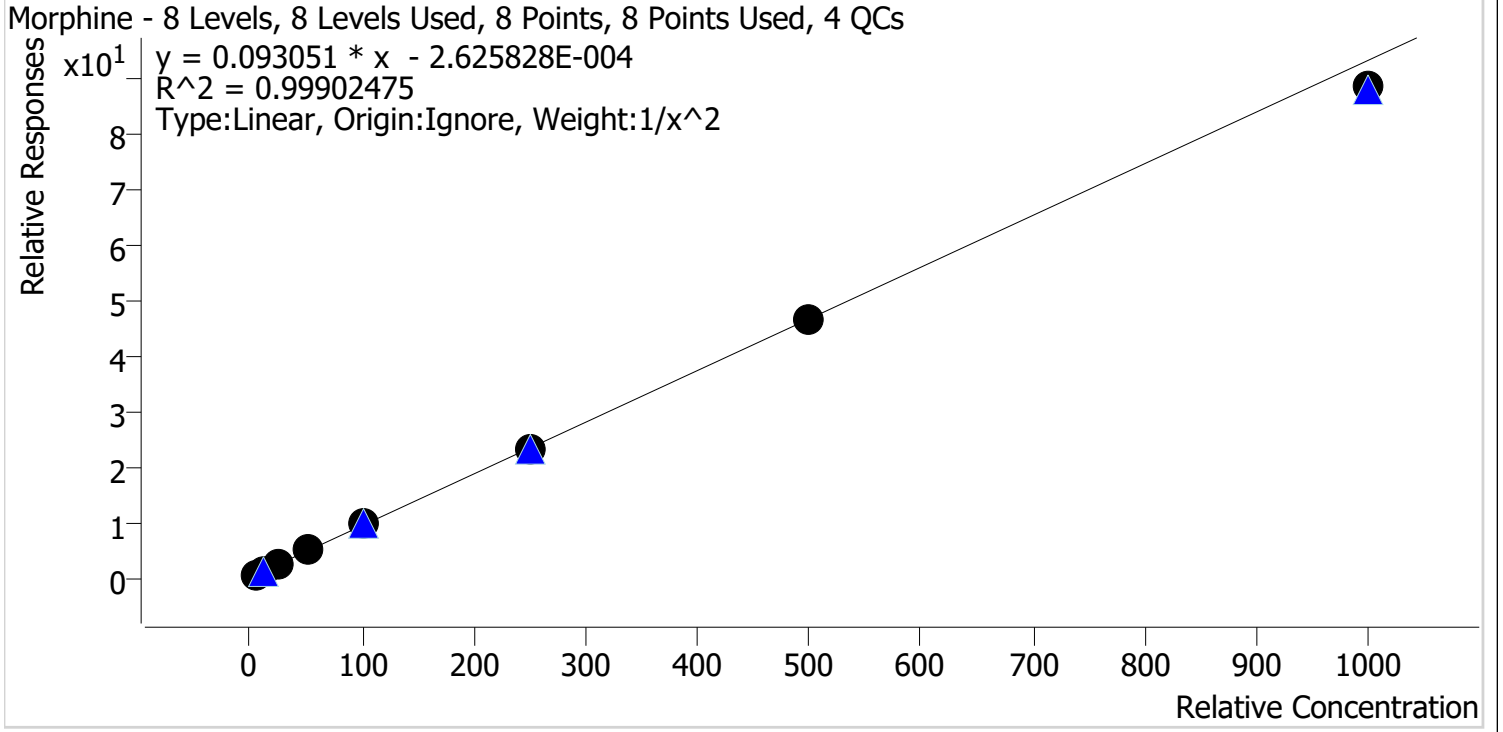
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	922.9	92.3



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 6/14/2021 11:16 AM
 Analyst Name ISP\datastor
 Analyte Morphine Internal Standard Morphine-D6



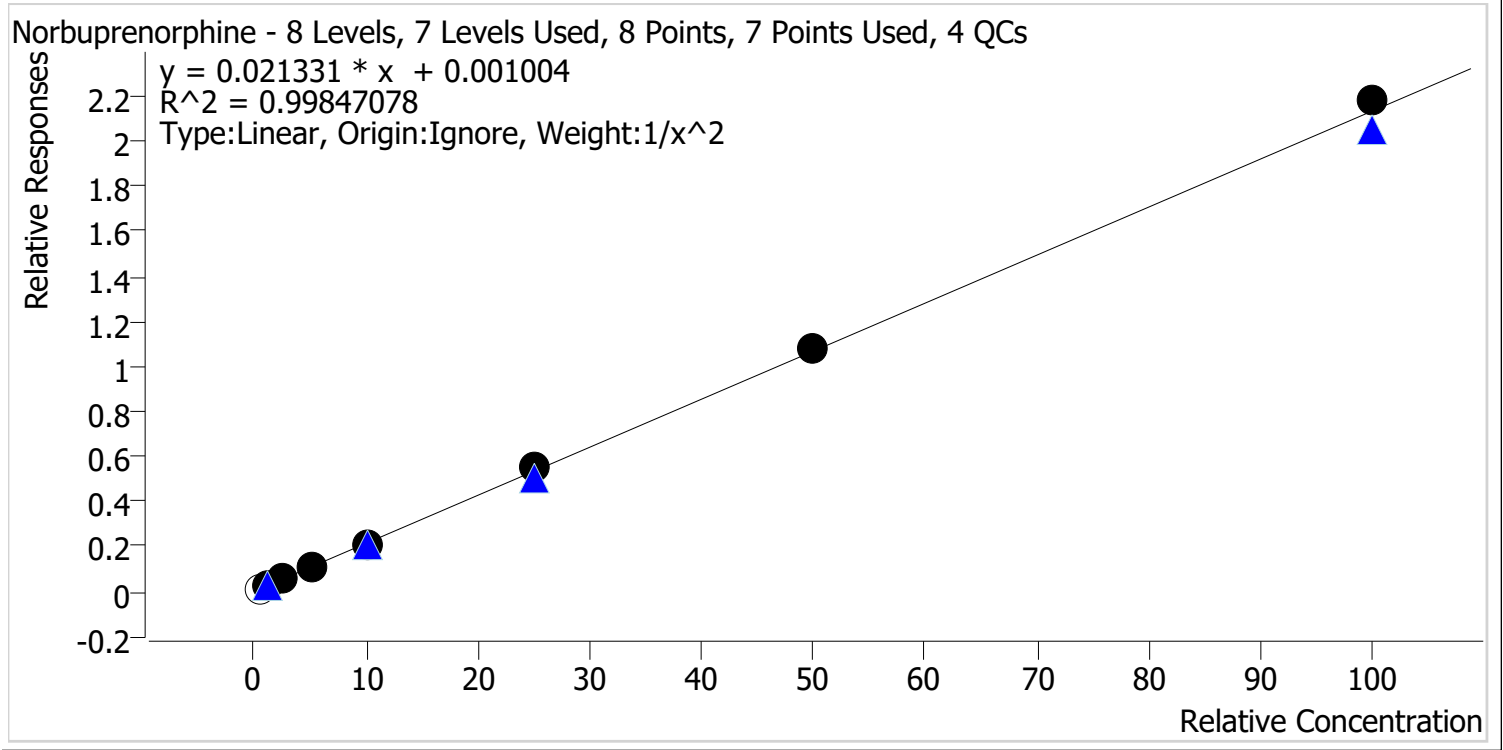
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	949.2	94.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	107.1
p1 Cal 2-10ng	2	✓	1.0	1.0	101.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	4.7	94.1
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	26.0	103.9
p1 Cal 7-500ng	7	✓	50.0	50.8	101.7
p1 Cal 8-1000ng	8	✓	100.0	102.2	102.2

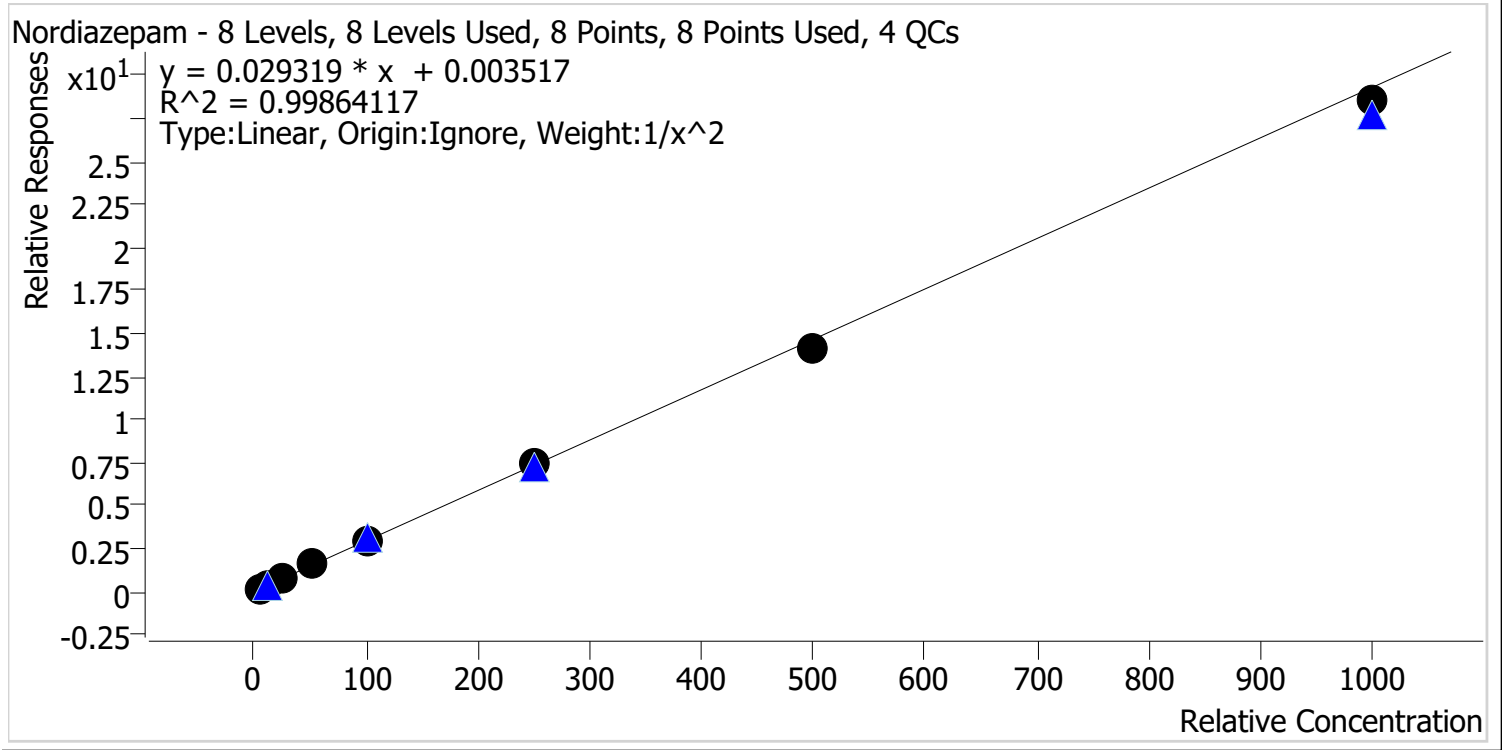
Calibrator 1 dropped due to not meeting signal-to-noise requirements



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



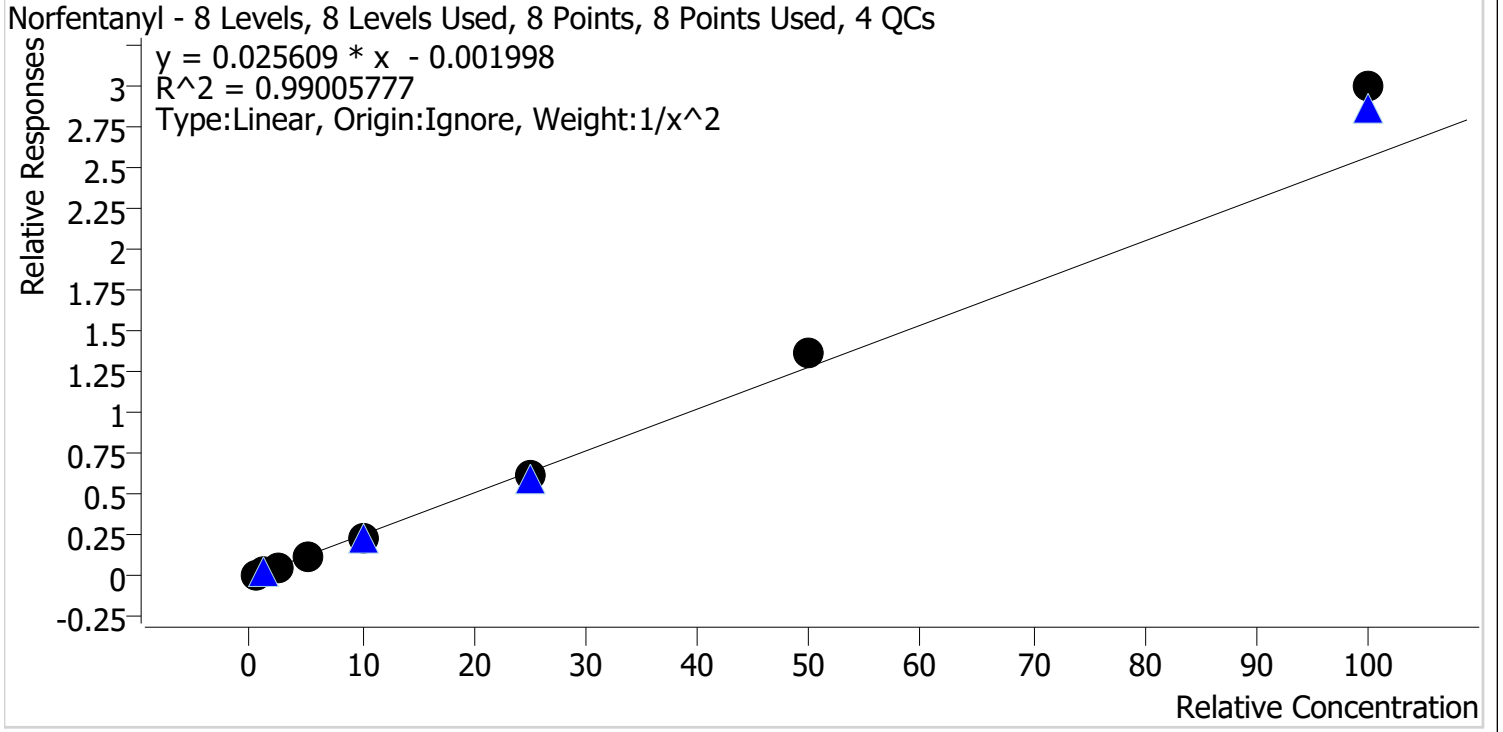
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	479.8	96.0
p1 Cal 8-1000ng	8	✓	1000.0	973.9	97.4



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 6/14/2021 11:16 AM
 Analyst Name ISP\datastor
 Analyte Norfentanyl Internal Standard Norfentanyl-D5



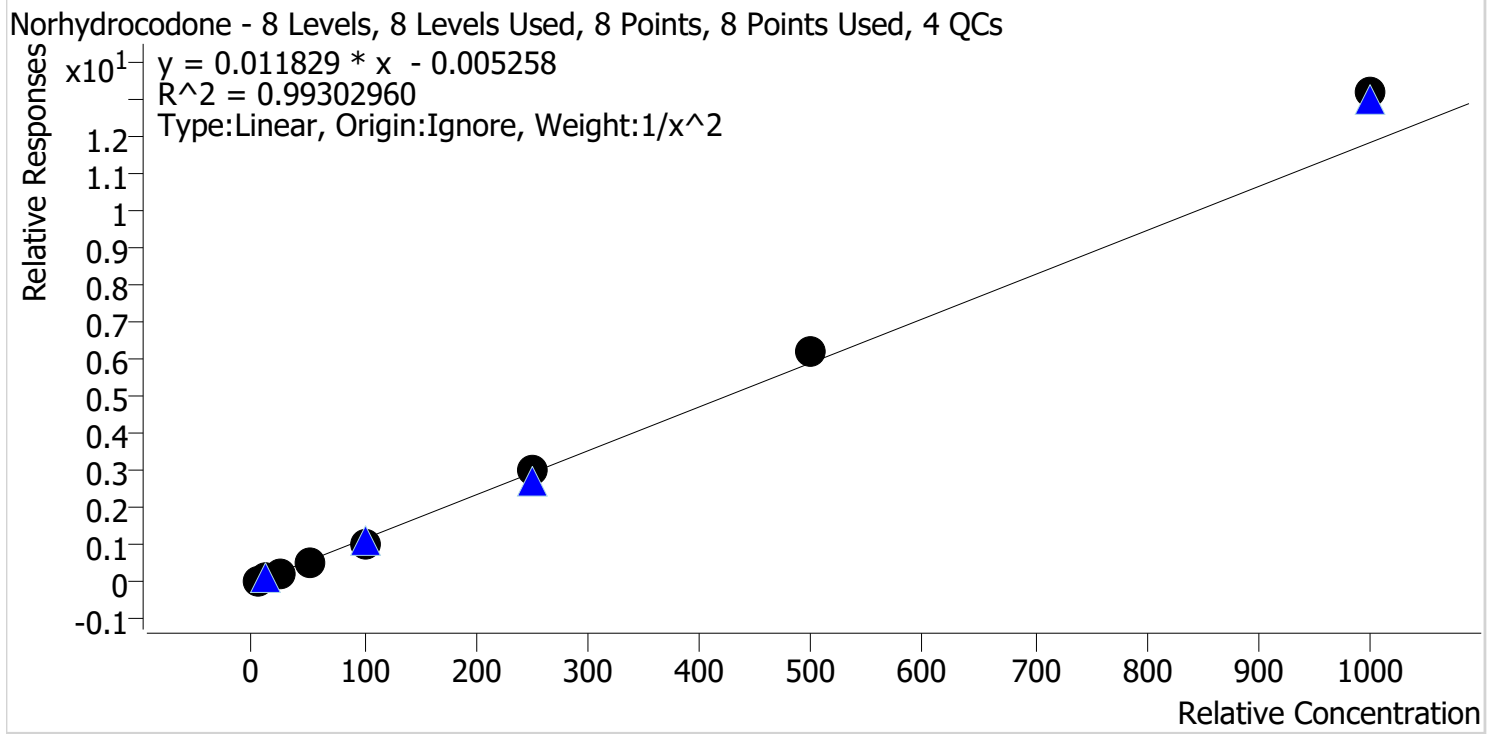
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.2
p1 Cal 2-10ng	2	✓	1.0	0.9	94.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.5
p1 Cal 4-50ng	4	✓	5.0	4.8	96.2
p1 Cal 5-100ng	5	✓	10.0	9.3	92.7
p1 Cal 6-250ng	6	✓	25.0	24.2	97.0
p1 Cal 7-500ng	7	✓	50.0	53.2	106.3
p1 Cal 8-1000ng	8	✓	100.0	116.8	116.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



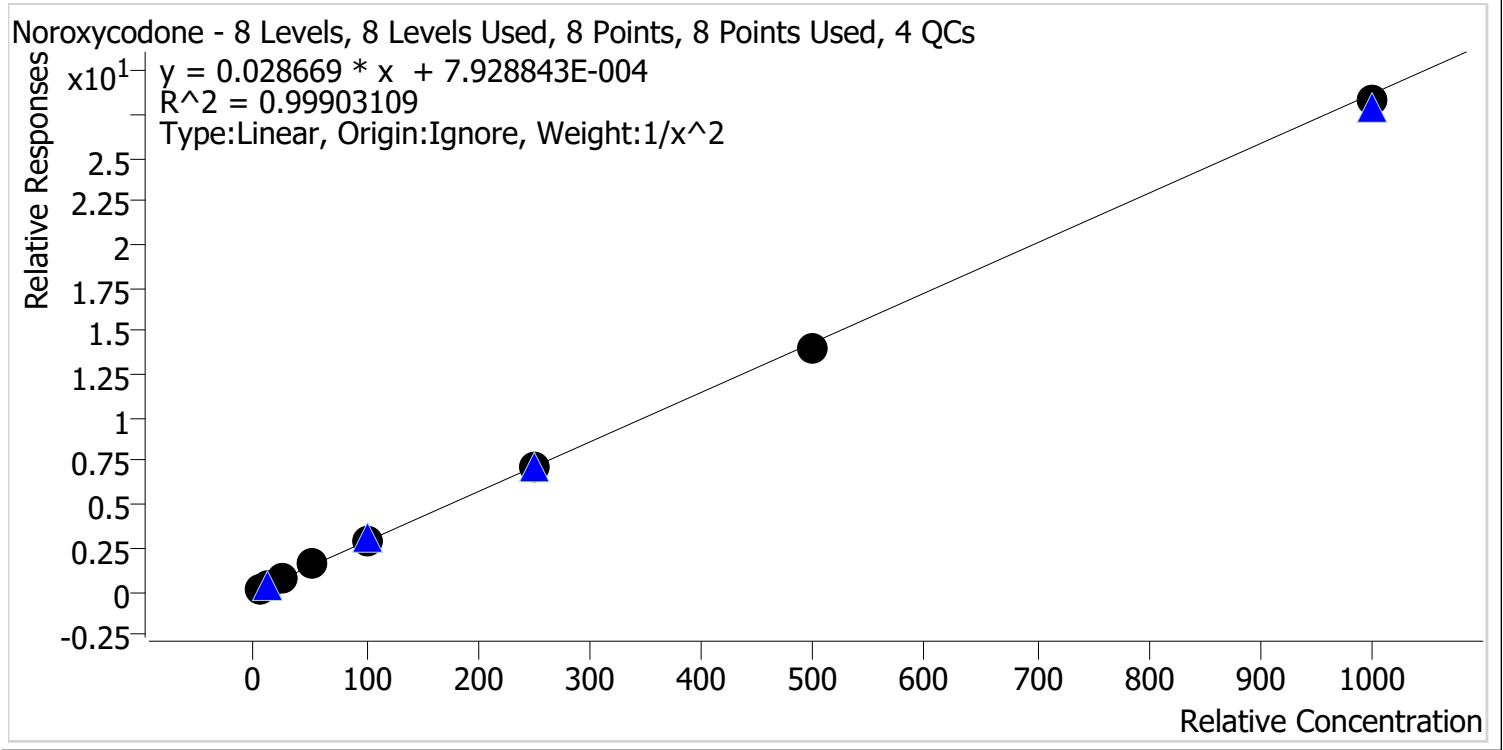
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	88.8	88.8
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1113.3	111.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



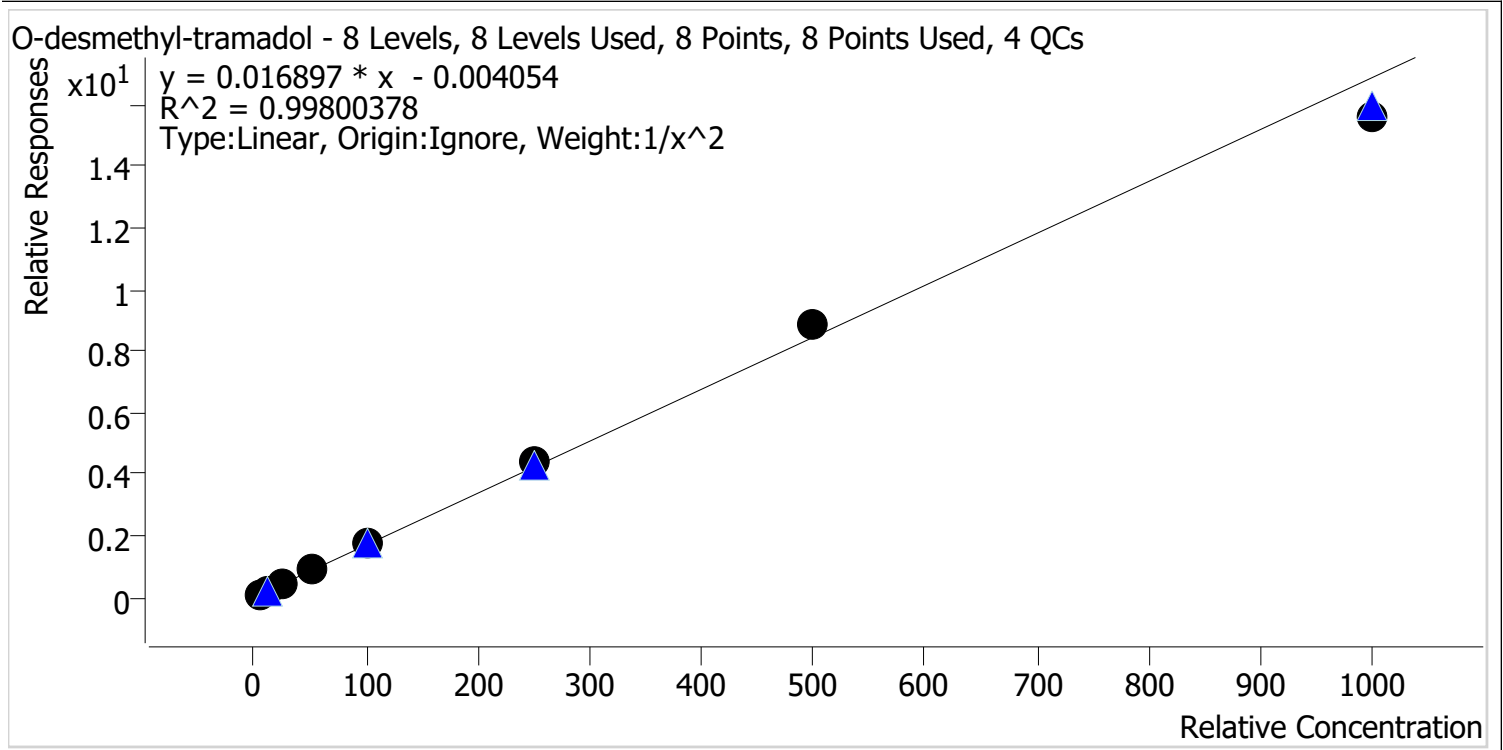
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	485.9	97.2
p1 Cal 8-1000ng	8	✓	1000.0	986.5	98.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	928.1	92.8

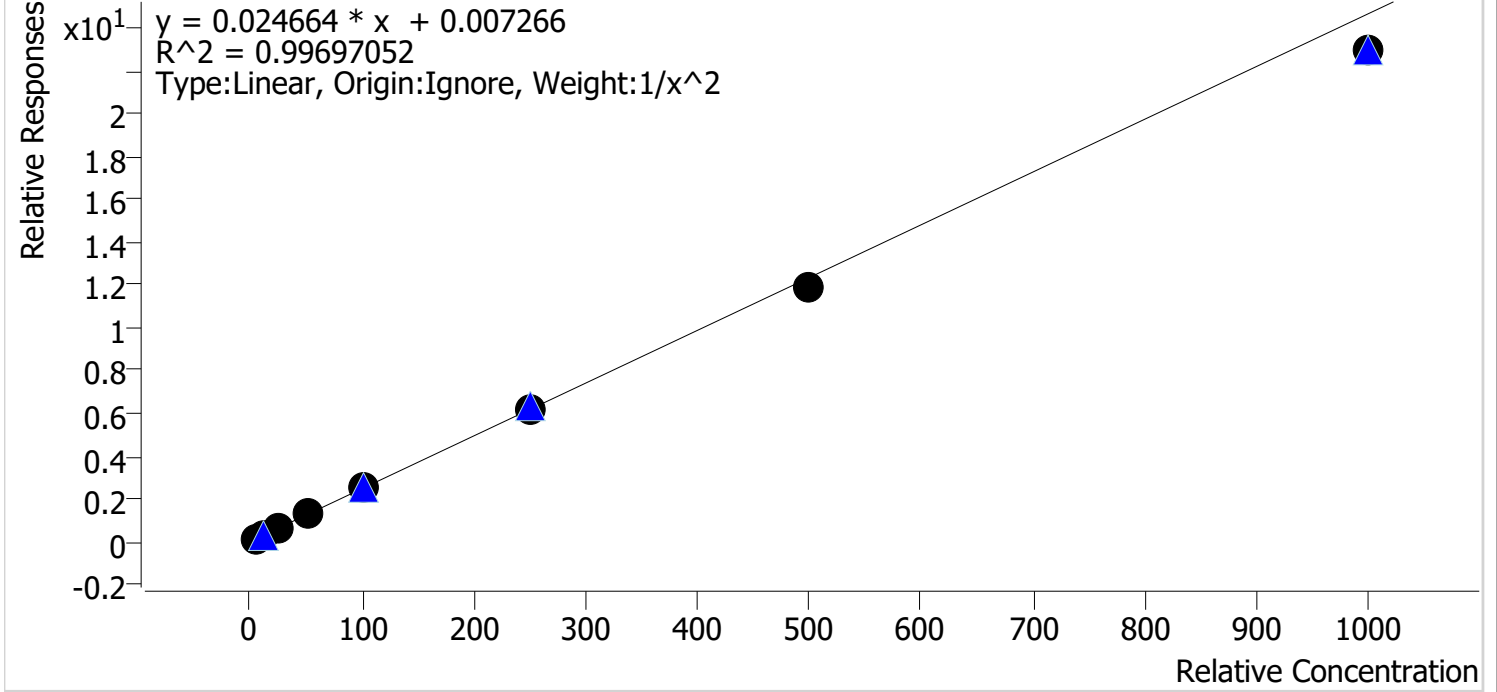


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 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	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	478.2	95.6
p1 Cal 8-1000ng	8	✓	1000.0	930.2	93.0

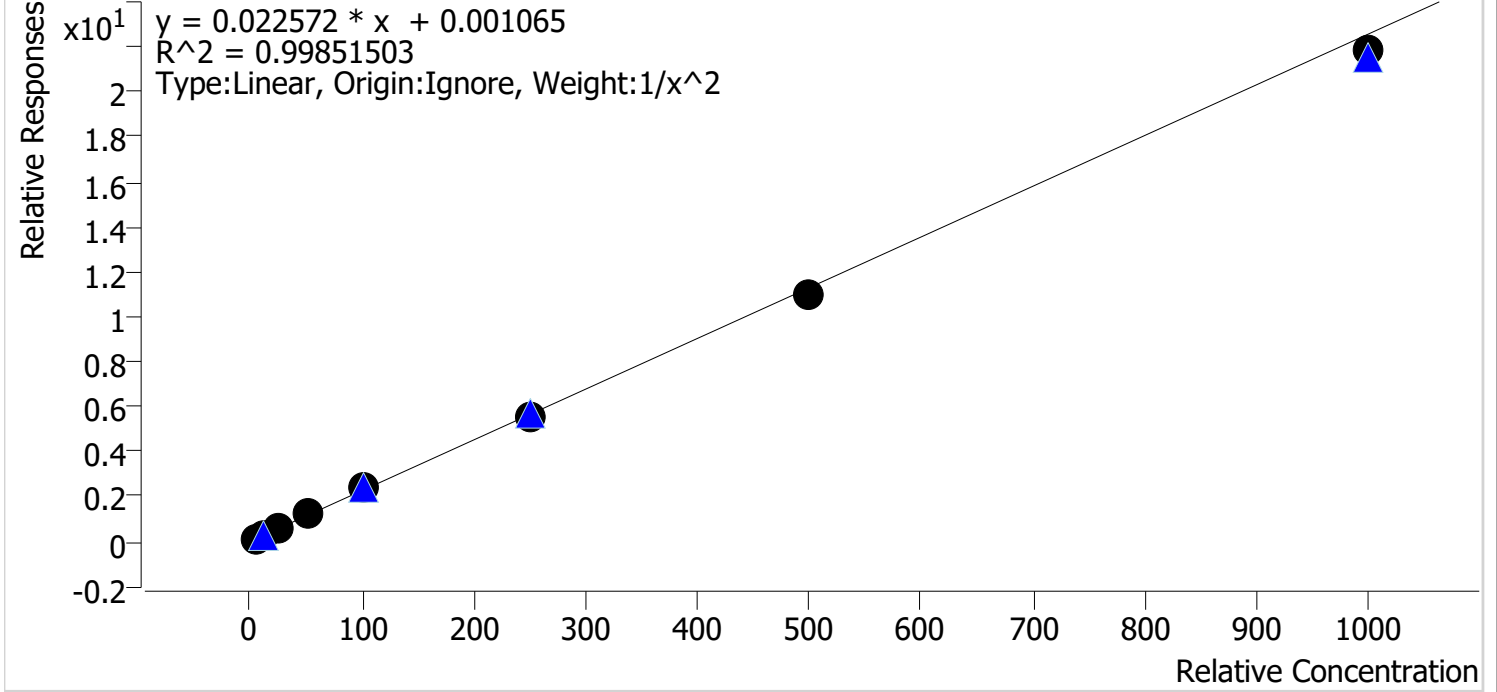


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 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	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	967.5	96.8

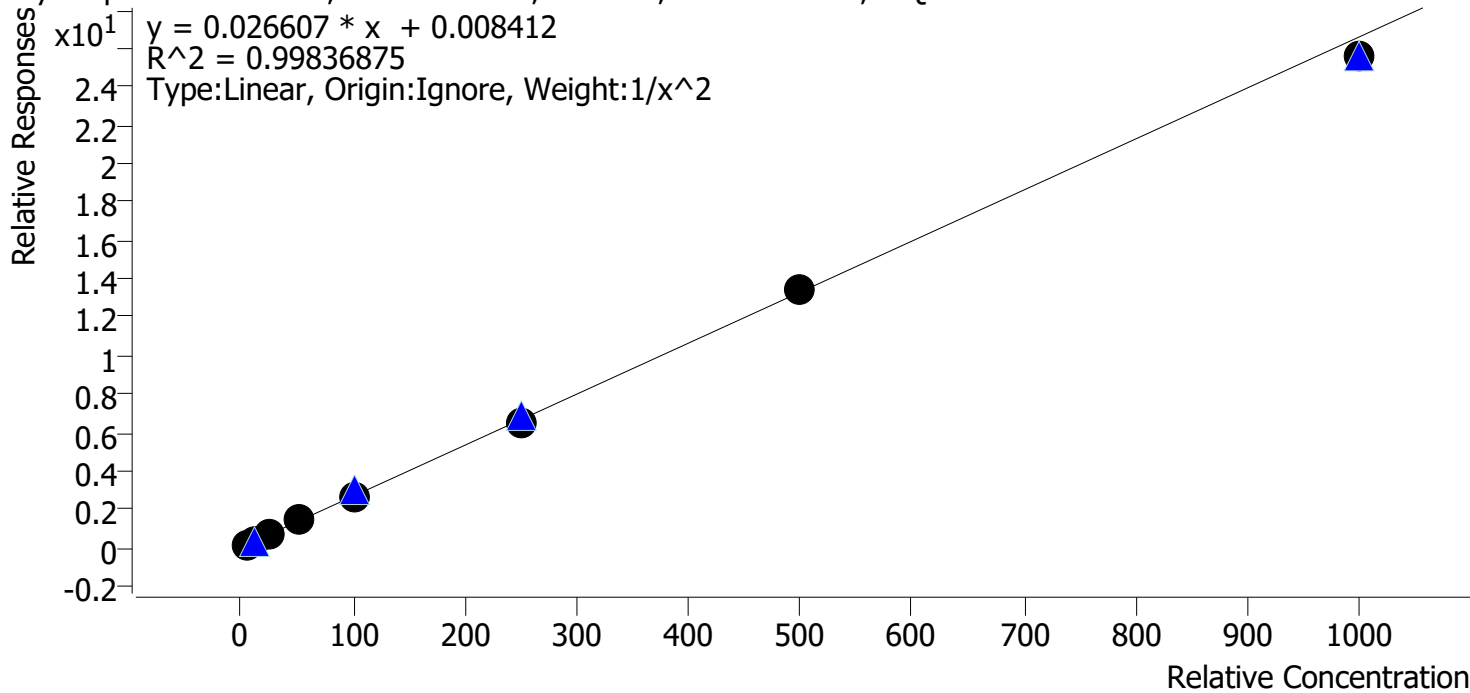


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



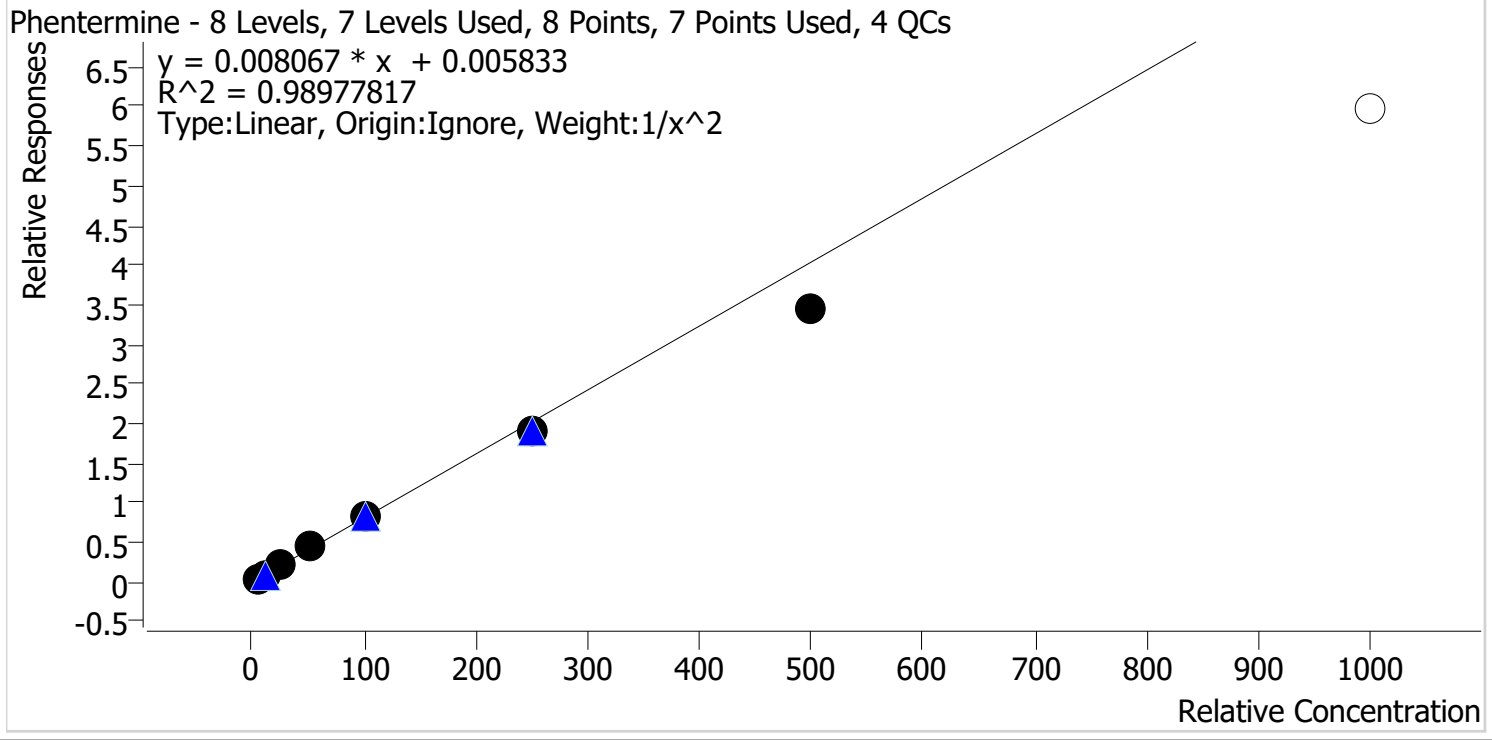
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	959.2	95.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	56.3	112.5
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	237.5	95.0
p1 Cal 7-500ng	7	✓	500.0	427.0	85.4
p1 Cal 8-1000ng	8	✗	1000.0	739.9	74.0

Calibrator 8 dropped due to not meeting accuracy requirements

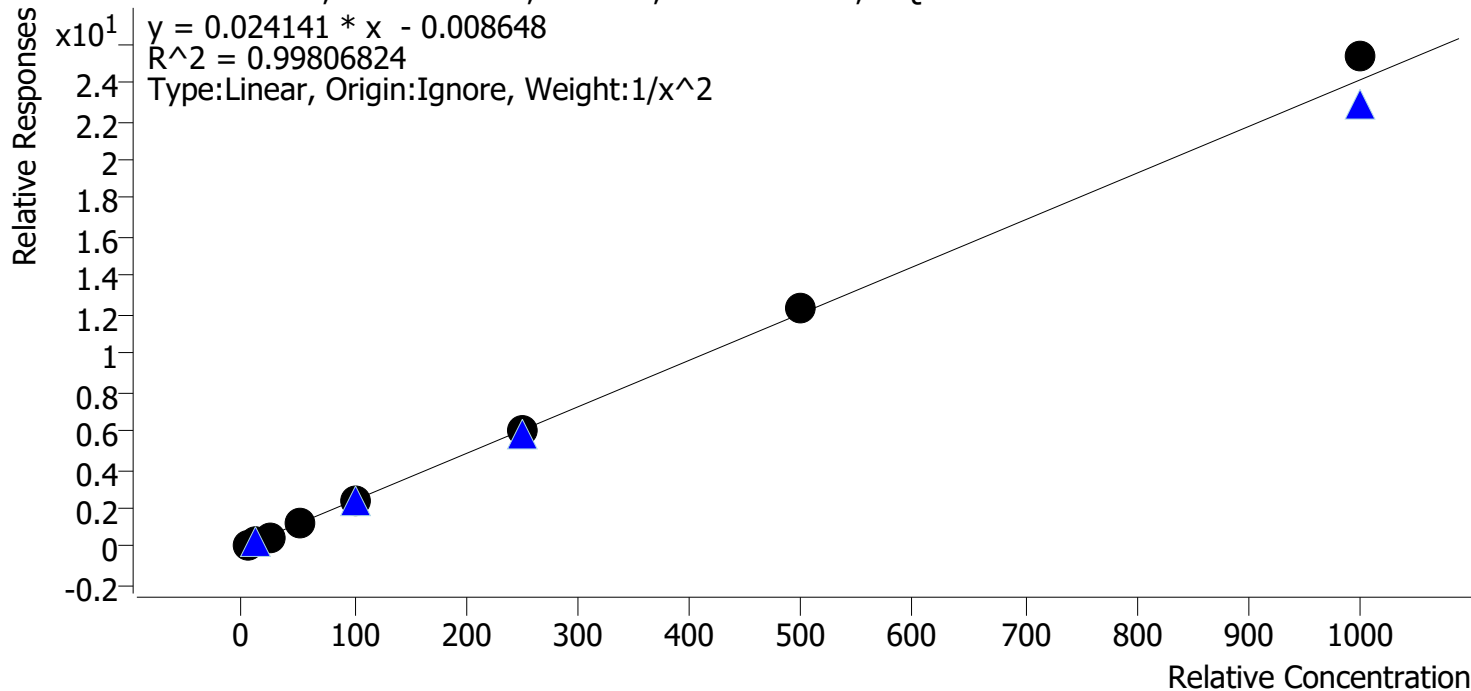
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 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	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	247.9	99.1
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1049.8	105.0

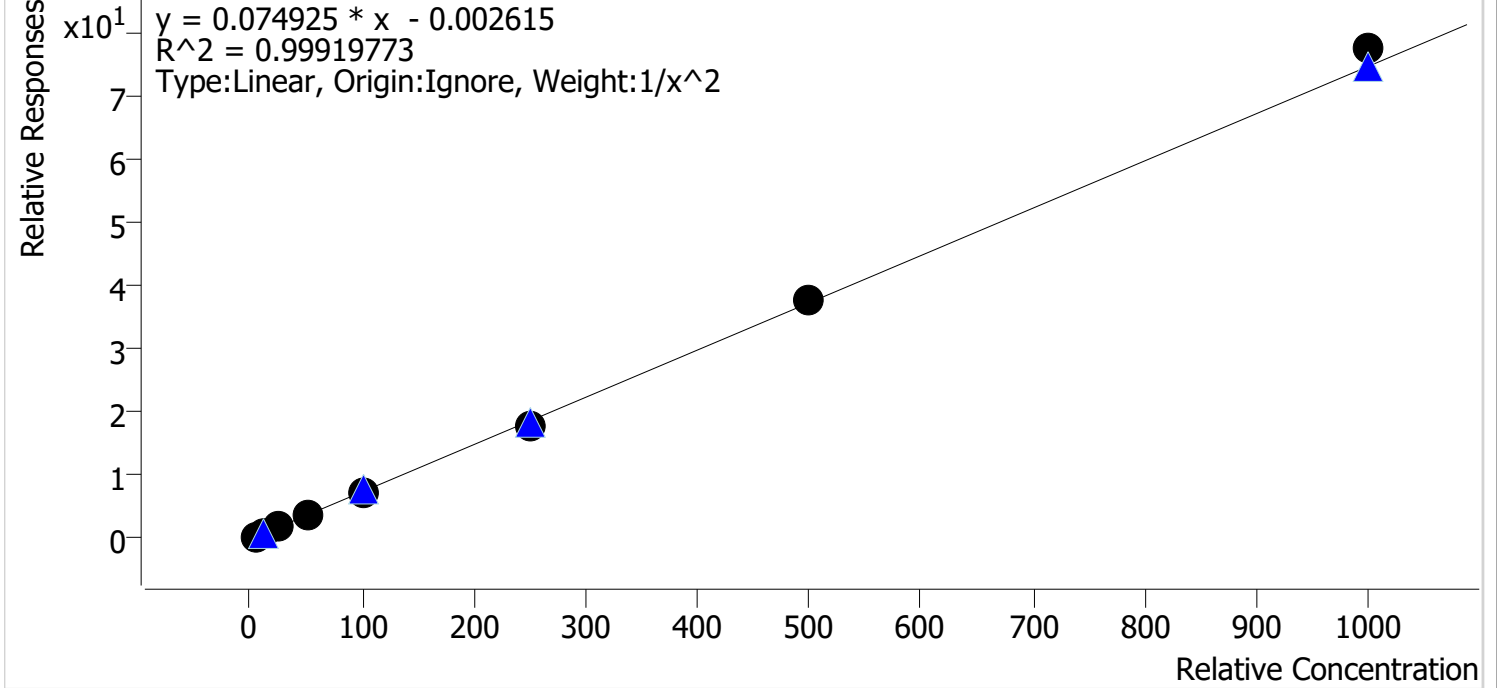


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



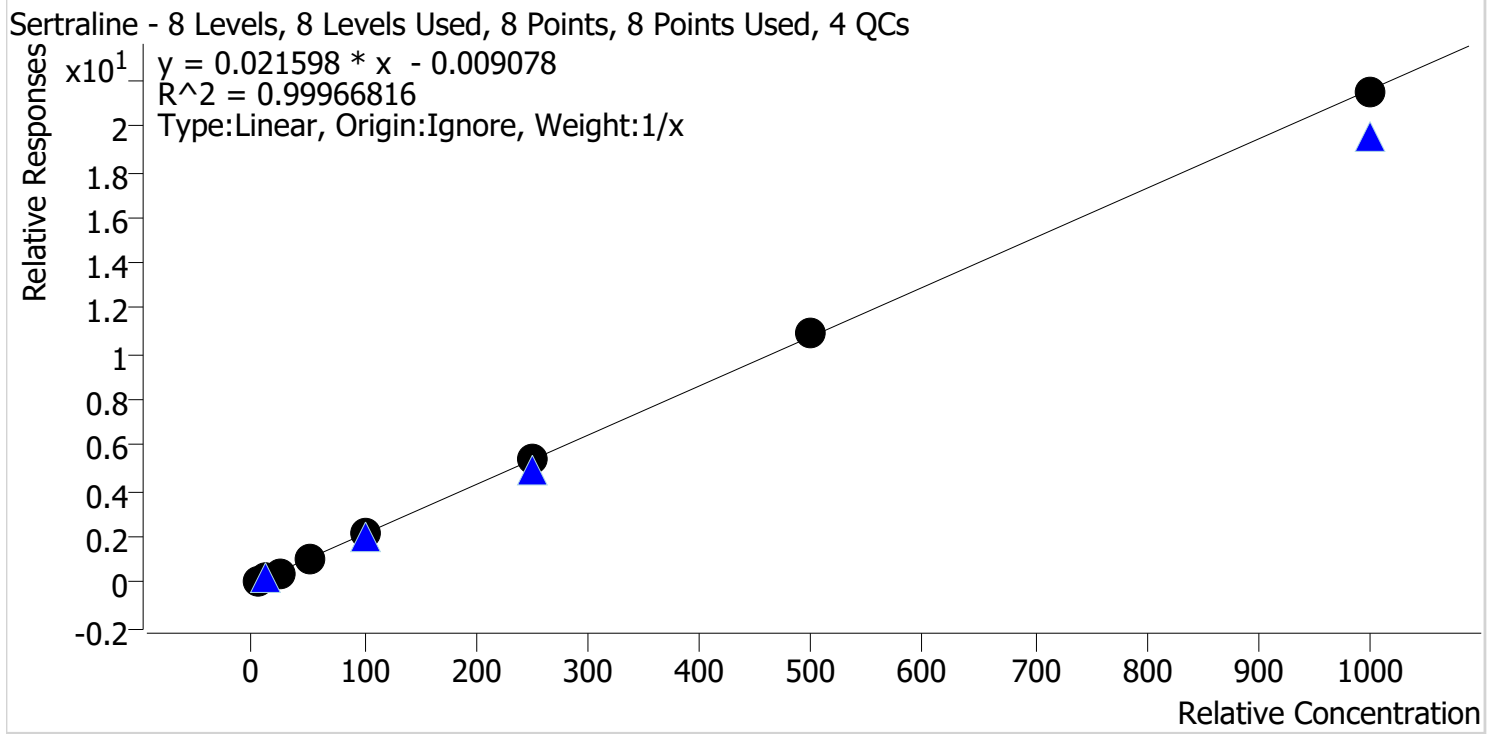
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	241.6	96.6
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1037.7	103.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



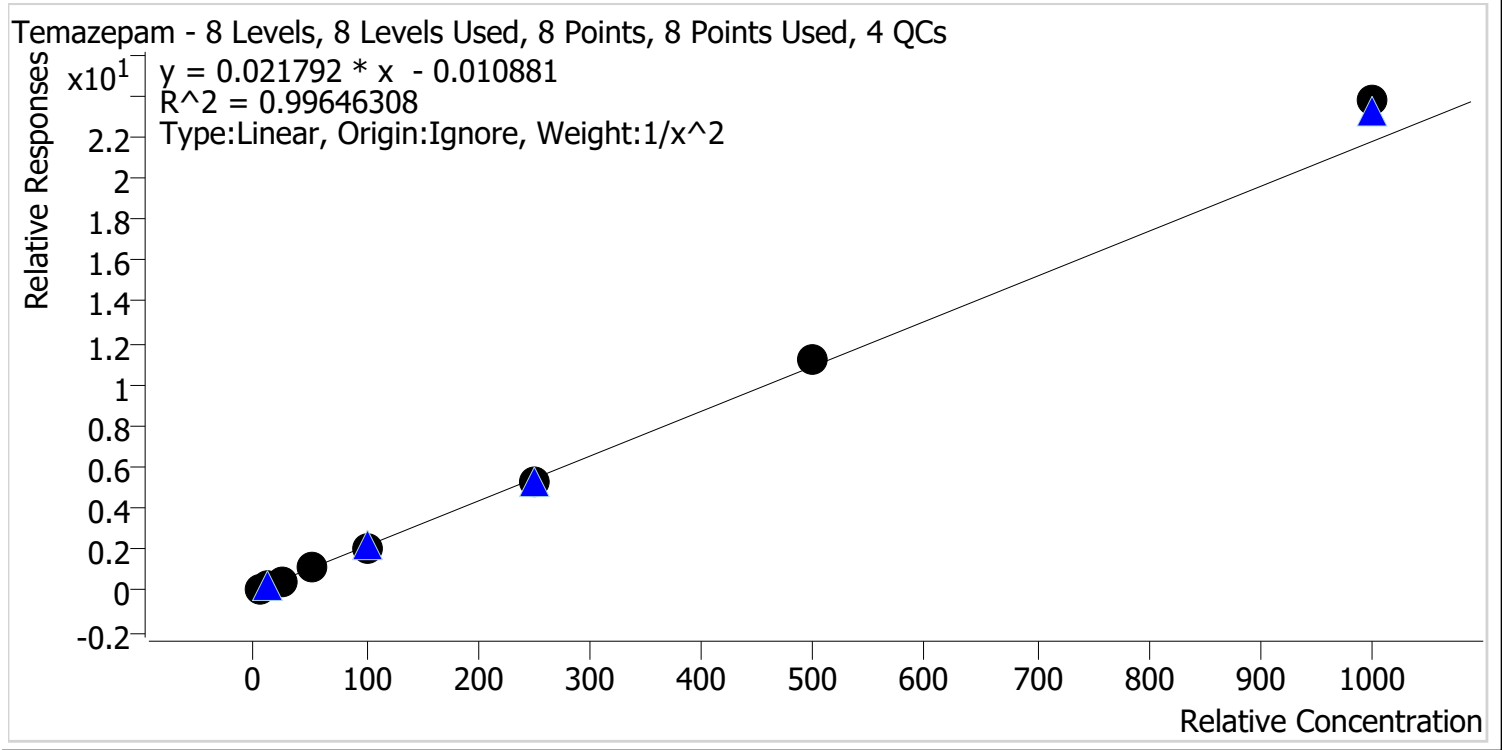
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	994.1	99.4



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



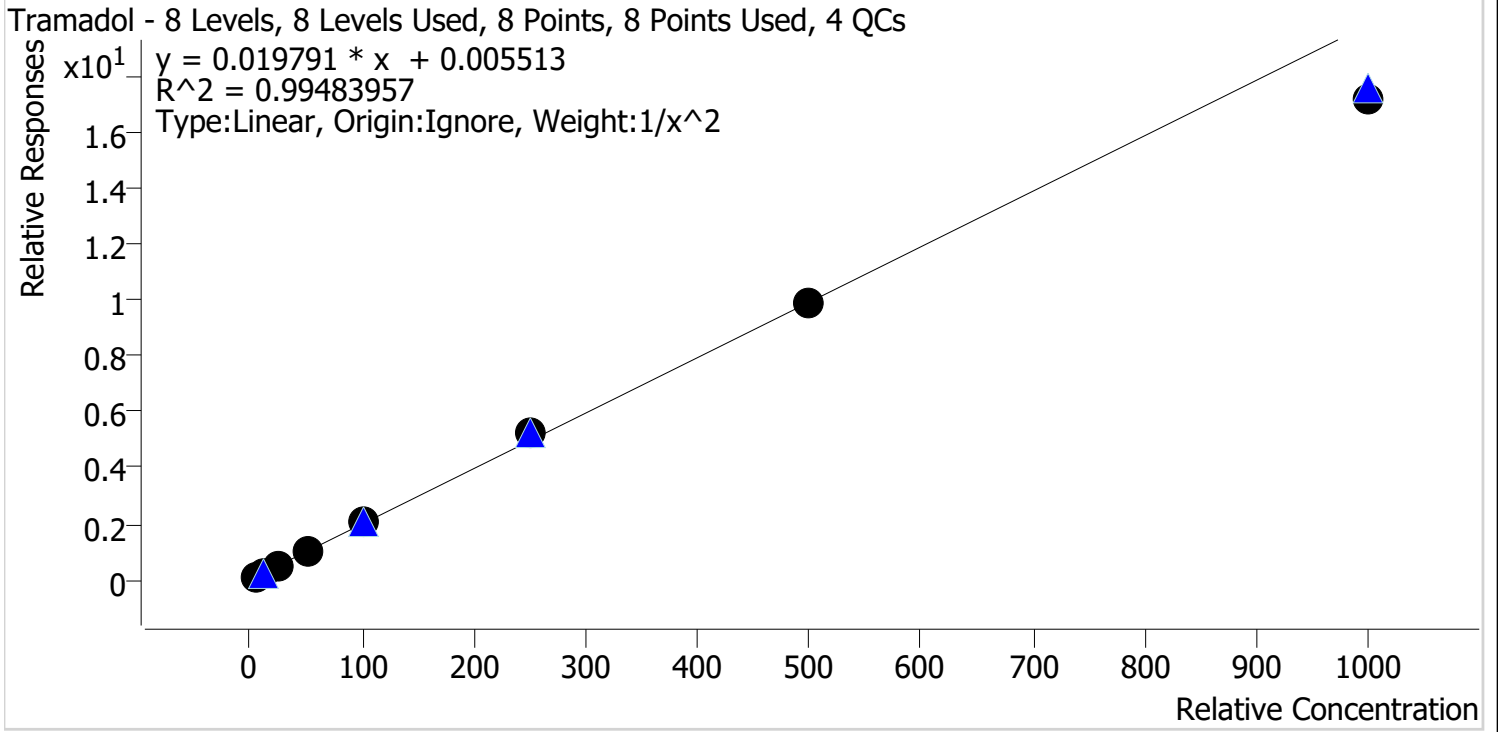
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1090.9	109.1



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 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	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	263.8	105.5
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	864.6	86.5

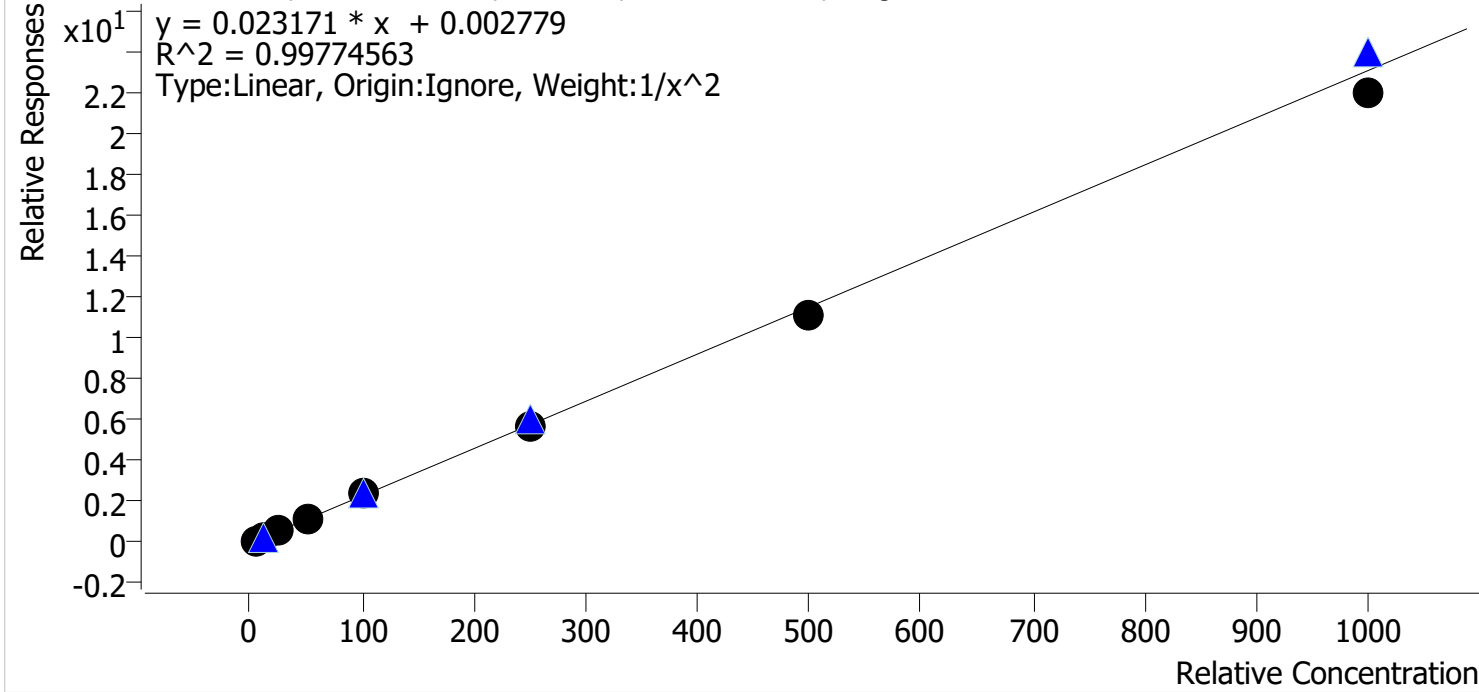


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



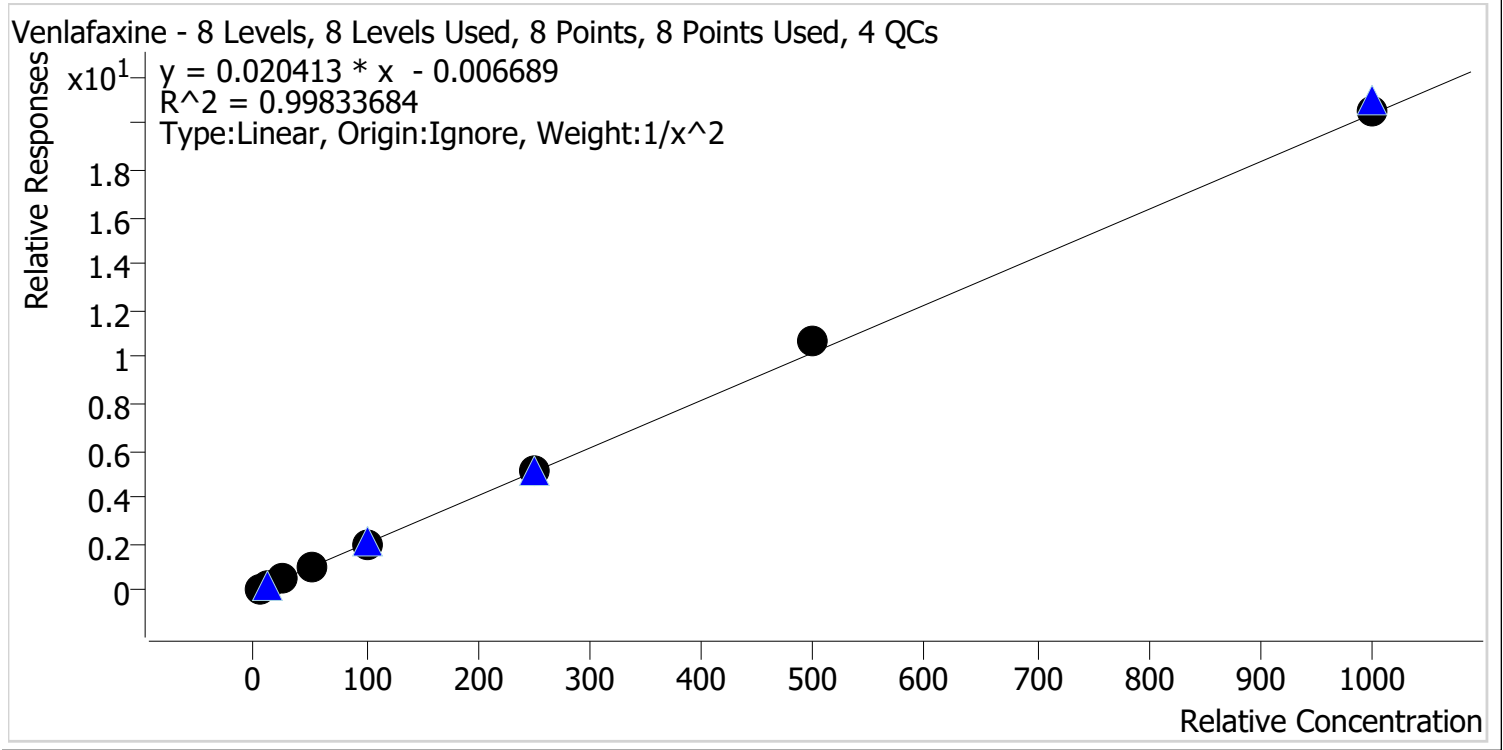
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	485.6	97.1
p1 Cal 8-1000ng	8	✓	1000.0	952.8	95.3



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	523.4	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.8	100.8

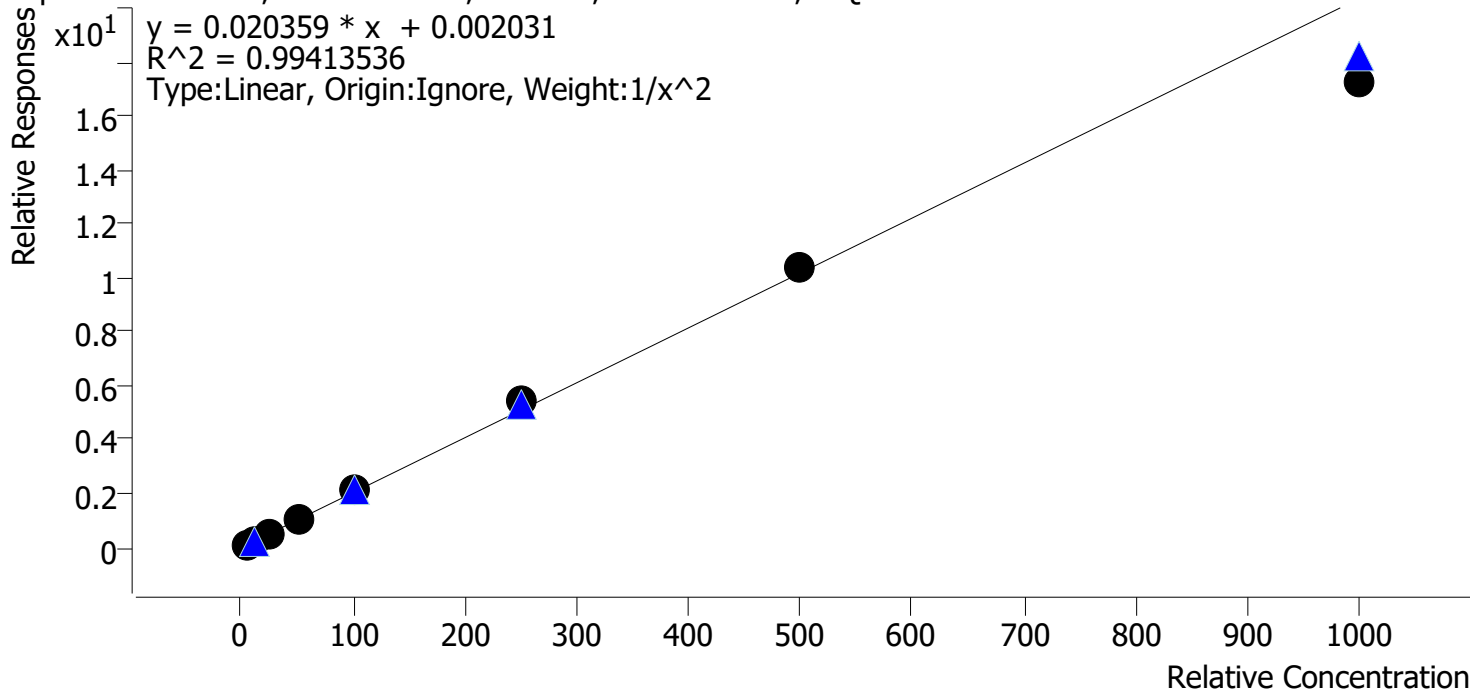
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/14/2021 11:16 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	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	264.5	105.8
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	849.6	85.0

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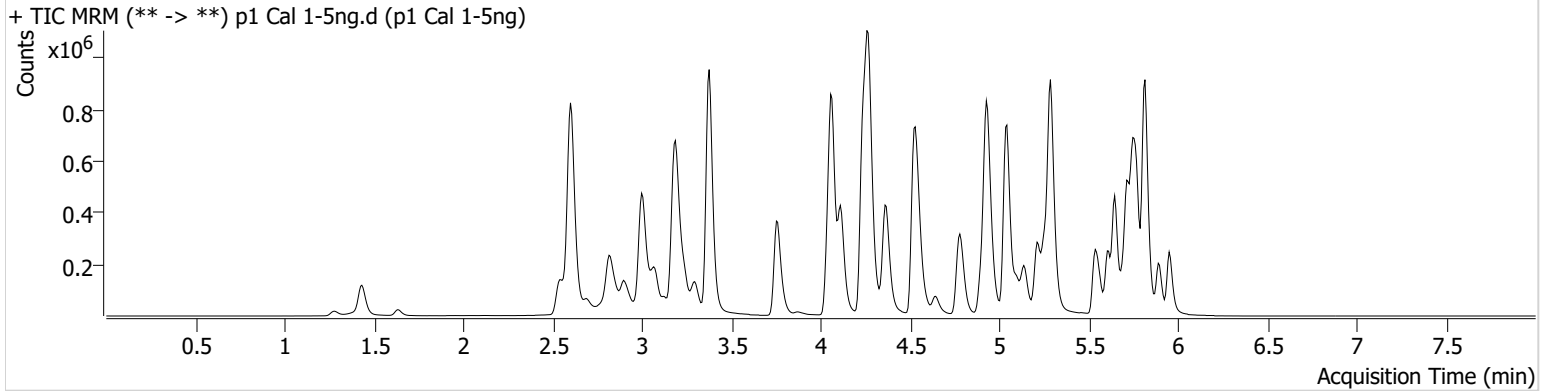


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/10/2021 11:24:53 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	2342	199.39	65.1	96.37	115146	0.5154 ng/ml
7-aminoclonazepam	4.278	46797	114.86	81.7	1767.50	355829	5.0208 ng/ml
a-hydroxyalprazolam	5.699	26240	155.07	54.3	285.31	601245	4.7938 ng/ml
alpha-PHP	4.944	28295	932.08	265.2	2987.63	988763	4.9282 ng/ml
alpha-PVP	4.376	110772	5583.48	53.6	1392.81	988763	5.0914 ng/ml
Alprazolam	5.775	79827	363.13	111.2	552.53	601245	5.1273 ng/ml
Amphetamine	3.076	225408	825.07	49.8	679.66	487588	4.7844 ng/ml
Benzoylecgonine	3.906	2939	19.21	7.7	508.59	20998	5.2048 ng/ml
Buprenorphine	5.894	1667	56.84	13.1	504.48	128980	0.5032 ng/ml
Bupropion	4.795	109572	346.74	60.4	355.22	783397	5.0552 ng/ml
Carisoprodol	5.724	80982	9508.58	55.6	81.98	807211	5.1412 ng/ml
Citalopram	5.219	61246	470.98	40.6	18073.38	572716	5.1230 ng/ml
Clonazepam	5.612	92804	111.36	31.6	1159.37	217939	4.9703 ng/ml
Clonazepam	5.549	64344	3556.24	37.1	53327.59	217939	5.0600 ng/ml
Cocaine	4.271	89252	4624.81	52.9	203.50	1721286	5.0683 ng/ml
Codeine	2.593	11807	106.43	103.4	15989.87	117045	4.7770 ng/ml
Cyclobenzaprine	5.615	16746	32608.23	7.9	19.88	147228	5.0384 ng/ml
Dextromethorphan	5.262	29105	62981.67	79.0	48785.82	286578	5.1222 ng/ml
Dextrophan	4.118	33601	636.71	205.9	2882.91	820439	5.1089 ng/ml
Diazepam	5.960	47016	691.42	85.8	183.55	434682	5.0242 ng/ml
Dihydrocodeine	2.572	29060	167827.09	64.7	3017.46	343444	4.8696 ng/ml
Diphenhydramine	5.289	159146	10623.09	34.2	1189.81	1917260	5.1791 ng/ml
Doxylamine	4.543	226630	1368.34	98.5	6384.23	2005728	5.0049 ng/ml
EDDP	5.254	29540	387.71	40.5	152.26	322321	5.1348 ng/ml
Etizolam	5.813	48962	1506.06	23.8	13649.62	217939	5.2751 ng/ml
Fentanyl	5.116	2868	59.08	66.9	1766.54	269818	0.5046 ng/ml
Flualprazolam	5.705	41000	2568.77	89.0	11850.60	601245	4.9741 ng/ml
Fluoxetine	5.700	10734	379.54	9.1	17.51	87193	5.1781 ng/ml
Hydrocodone	3.032	44412	184.97	37.6	80.72	1007202	4.9290 ng/ml
Hydromorphone	1.635	39854	226.63	77.0	2889.74	12356	4.9467 ng/ml
Ketamine	4.059	90164	1591.05	36.6	111.56	835098	5.0215 ng/ml
Lamotrigine	4.287	7977	564.60	86.9	1504.70	835098	4.9261 ng/ml
Levetiracetam	2.690	37722	255.60	165.4	1036.42	2175684	5.1946 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	90349	430.29	54.8	327.16	217939	4.8444 ng/ml
MDA	3.209	153549	796.45	25.3	268.79	800348	4.7377 ng/ml
MDMA	3.303	87121	1359.67	78.4	387.42	167137	5.0625 ng/ml
Meprobamate	4.924	46027	4199.74	28.8	108.83	439443	4.7880 ng/ml
Methadone	5.646	89001	1269.85	47.6	601.38	824213	5.1274 ng/ml
Methamphetamine	3.244	173106	198.68	37.6	96.76	1221163	4.8154 ng/ml
Metoprolol	4.333	22025	651.69	91.8	267.99	1891686	4.9750 ng/ml
Mirtazapine	4.644	108403	2085.95	49.7	261.33	988763	5.2028 ng/ml
Mitragynine	5.244	14430	1338.08	45.7	45.74	824213	4.9514 ng/ml
Morphine	1.287	5714	254.79	31.2	1243.19	12356	4.9725 ng/ml
Norbuprenorphine	4.986	266	8.38 Low	110.0	261.91	21443	0.5354 ng/ml
Nordiazepam	5.900	49422	308.62	55.1	311.21	331500	4.9649 ng/ml
Norfentanyl	4.086	19021	222.38	35.4	95.47	1657717	0.5261 ng/ml
Norhydrocodone	3.073	7996	144.64	44.6	35.57	141888	5.2084 ng/ml
Noroxycodone	2.923	50088	227.97	42.2	13.74	345748	5.0255 ng/ml
O-desmethyl-tramadol	3.383	186643	6478.58	6.9	336.61	2290759	5.0620 ng/ml
Oxazepam	5.756	104895	∞	74.8	44.31	808999	4.9624 ng/ml
Oxycodone	2.848	88655	617.50	27.7	11.46	778688	4.9969 ng/ml
Oxymorphone	1.438	46642	107.29	41.7	140.97	333853	4.9347 ng/ml
Phentermine	3.790	45904	139.37	4.9	30.38	1015618	4.8798 ng/ml
Promethazine	5.538	37025	849.27	29.2	76.84	326928	5.0494 ng/ml
Pseudoephedrine	2.610	228100	289.01	16.3	1532.13	2175684	5.2313 ng/ml
Quetiapine	5.562	74578	62.43	55.5	123910.03	198427	5.0512 ng/ml
Sertraline	5.776	3398	44.86	102.3	132.42	32001	5.3360 ng/ml
Temazepam	5.823	169113	886.77	29.4	173.01	1659946	5.1743 ng/ml
Tramadol	4.252	196561	4098.28	3.6	33.88	1891686	4.9716 ng/ml
Trazodone	5.196	53945	23677.95	78.5	4626.24	454584	5.0014 ng/ml
Venlafaxine	5.043	171955	9528.75	38.7	95.00	1747444	5.1484 ng/ml
Zolpidem	4.955	195599	10724.94	30.3	809.97	1903882	4.9464 ng/ml

TS

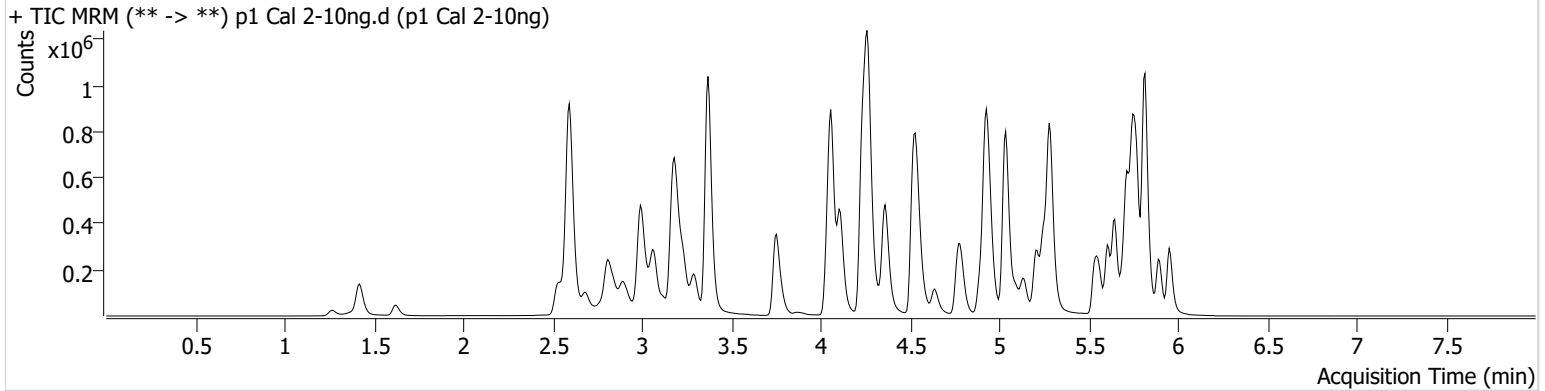


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/10/2021 11:35:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4285	75.16	71.6	345.44	115548	0.9482 ng/ml
7-aminoclonazepam	4.278	96320	105.31	79.2	2127.22	363048	9.9228 ng/ml
a-hydroxyalprazolam	5.692	53619	204.96	53.7	173.80	612359	10.4985 ng/ml
alpha-PHP	4.937	51313	853.95	272.6	1702.04	955027	9.8639 ng/ml
alpha-PVP	4.370	212985	837.20	52.1	4294.13	955027	9.8285 ng/ml
Alprazolam	5.775	159373	808.20	114.2	1382.74	612359	9.6981 ng/ml
Amphetamine	3.069	422479	1942.89	49.7	863.52	465488	10.3079 ng/ml
Benzoylecgonine	3.892	5790	224.37	8.9	1493.07	21429	9.6525 ng/ml
Buprenorphine	5.894	2894	71.41	14.0	496.64	107164	1.0050 ng/ml
Bupropion	4.795	191347	∞	61.7	191.97	690850	9.8650 ng/ml
Carisoprodol	5.724	160538	482280.07	56.1	258.07	817740	9.7450 ng/ml
Citalopram	5.212	98291	1260.53	41.3	3703.10	468716	9.7062 ng/ml
Clonazepam	5.612	181860	4005.49	34.2	1887.36	224461	9.8477 ng/ml
Clonazepam	5.549	125013	5099.29	37.5	2705.24	224461	9.6576 ng/ml
Cocaine	4.264	176345	13393.35	52.3	590.33	1696051	9.8554 ng/ml
Codeine	2.587	23596	360.17	104.5	72756.80	117303	10.3759 ng/ml
Cyclobenzaprine	5.615	28287	182058.23	10.2	105.26	120063	9.9379 ng/ml
Dextromethorphan	5.255	42664	574.20	83.6	2438.50	218123	9.5621 ng/ml
Dextrophan	4.112	63144	7717.76	214.0	1648.67	792932	9.6327 ng/ml
Diazepam	5.960	95269	448.92	87.1	405.97	446992	9.9329 ng/ml
Dihydrocodeine	2.565	57093	18577.93	65.1	13516.46	346710	10.0578 ng/ml
Diphenhydramine	5.289	249553	262.68	34.2	1584.27	1567598	9.5410 ng/ml
Doxylamine	4.543	434902	392.89	96.6	1732.20	1942608	9.9114 ng/ml
EDDP	5.254	82866	3804.46	43.0	71.90	458408	9.6706 ng/ml
Etizolam	5.813	95798	105274.78	25.6	24911.42	224461	9.4391 ng/ml
Fentanyl	5.109	4495	46.32	66.4	20.97	213685	0.9992 ng/ml
Flualprazolam	5.705	81173	2694.75	94.0	148551.56	612359	9.9490 ng/ml
Fluoxetine	5.700	23631	1607.50	9.5	74.29	98998	9.8859 ng/ml
Hydrocodone	3.025	86210	120.36	38.9	87.26	1038812	9.8112 ng/ml
Hydromorphone	1.621	77922	1092.30	78.5	941.80	12412	9.9305 ng/ml
Ketamine	4.059	172024	34149.53	37.9	172.37	834944	9.8112 ng/ml
Lamotrigine	4.280	15654	689.76	84.8	1450.13	834944	9.9649 ng/ml
Levetiracetam	2.683	73661	808.44	163.9	305.52	2211345	9.5039 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	180721	1551.78	55.8	226.81	224461	10.4246 ng/ml
MDA	3.203	287892	1758.93	25.4	214.81	762962	10.3510 ng/ml
MDMA	3.296	163740	3260.78	80.2	1306.93	160419	9.8332 ng/ml
Meprobamate	4.917	95055	141.47	28.7	143.60	440183	10.4705 ng/ml
Methadone	5.646	137541	400.13	48.1	454.83	649167	9.7252 ng/ml
Methamphetamine	3.238	321856	404.19	37.8	457.25	1188386	10.2133 ng/ml
Metoprolol	4.326	41485	489.94	93.5	2225.86	1917070	9.7451 ng/ml
Mirtazapine	4.637	180335	1266.16	48.7	1965.66	955027	9.2297 ng/ml
Mitragynine	5.237	22654	454.54	40.4	476.09	649167	9.9799 ng/ml
Morphine	1.274	11587	336.48	32.5	231.11	12412	10.0352 ng/ml
Norbuprenorphine	4.986	376	765.68	107.8	914.12	16525	1.0184 ng/ml
Nordiazepam	5.900	103029	686.89	55.2	784.67	345020	10.0651 ng/ml
Norfentanyl	4.086	35710	1175.36	34.9	79.75	1612679	0.9427 ng/ml
Norhydrocodone	3.066	14920	94.68	42.8	92.75	138915	9.5238 ng/ml
Noroxycodone	2.909	97307	1019.33	40.6	305.77	345064	9.8087 ng/ml
O-desmethyl-tramadol	3.376	373591	1444.15	6.7	1219.78	2314345	9.7936 ng/ml
Oxazepam	5.756	212668	548.01	71.4	103.44	839160	9.9805 ng/ml
Oxycodone	2.841	175519	1091.15	27.1	1361.93	783116	9.8825 ng/ml
Oxymorphone	1.425	92663	∞	41.4	272.50	329961	10.2387 ng/ml
Phentermine	3.790	84377	131.43	4.7	48.12	971783	10.0402 ng/ml
Promethazine	5.532	63451	7083.45	27.7	132.75	270943	10.0590 ng/ml
Pseudoephedrine	2.603	438198	325.87	17.1	2331.43	2211345	9.3985 ng/ml
Quetiapine	5.562	119302	11971.48	56.7	97225.36	162391	9.8401 ng/ml
Sertraline	5.776	9283	144.52	90.7	66.76	44930	9.9862 ng/ml
Temazepam	5.816	340506	2540.34	28.0	136.84	1716076	9.6043 ng/ml
Tramadol	4.246	387253	1084.97	3.7	62.13	1917070	9.9280 ng/ml
Trazodone	5.196	87236	4982.87	79.5	206.78	379390	9.8035 ng/ml
Venlafaxine	5.037	320198	3495.54	39.1	1420.68	1687813	9.6215 ng/ml
Zolpidem	4.948	390950	16539.77	30.4	1940.58	1878386	10.1230 ng/ml

AM #28 Multi-Drug Quant. Results

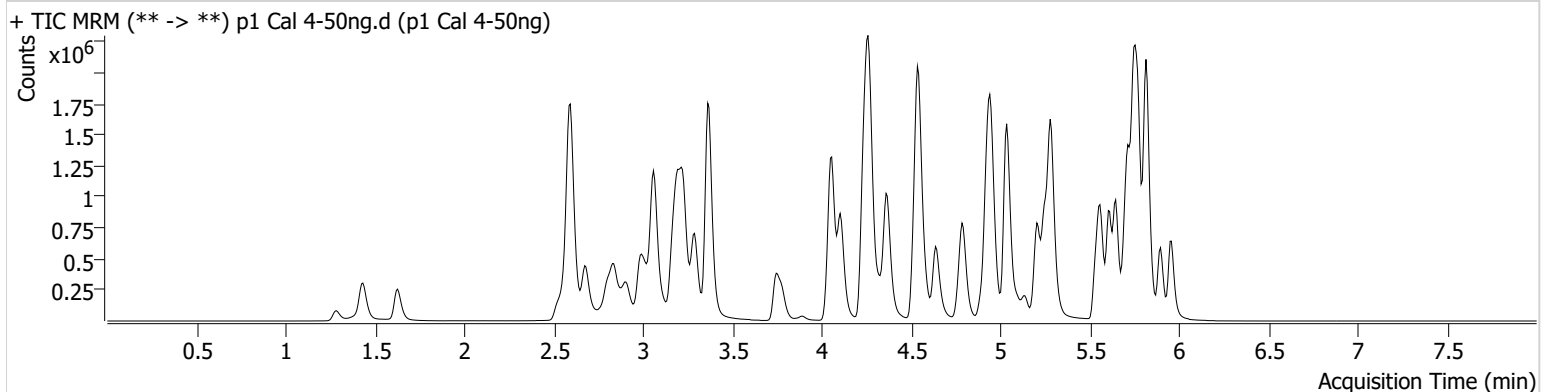
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Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

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	6/10/2021 11:56:52 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	23783	4239.31	67.8	27121.77	120564	5.0892 ng/ml
7-aminoclonazepam	4.271	525923	16868.84	78.1	19782.93	370339	52.2330 ng/ml
a-hydroxyalprazolam	5.692	265835	1266.89	57.7	701.88	609724	55.7560 ng/ml
alpha-PHP	4.937	283038	7183.75	260.4	38895.86	990995	55.4379 ng/ml
alpha-PVP	4.370	1168305	957.46	52.4	10160.53	990995	50.6294 ng/ml
Alprazolam	5.775	875887	956.72	112.3	589.49	609724	51.8701 ng/ml
Amphetamine	3.063	2208540	4252.34	49.6	1425.30	468286	57.5483 ng/ml
Benzoylecgonine	3.892	33678	2341.25	7.4	170.36	23996	48.3556 ng/ml
Buprenorphine	5.894	15401	915.65	14.2	2998.61	107983	5.1244 ng/ml
Bupropion	4.795	1062552	14450.68	60.2	2514.52	725444	51.5321 ng/ml
Carisoprodol	5.724	819088	35650.43	56.3	9081.97	778452	50.7911 ng/ml
Citalopram	5.212	556451	754.35	42.1	430.09	481049	51.9451 ng/ml
Clonazepam	5.612	1003898	30770.63	31.5	623704.07	225913	55.9538 ng/ml
Clonazepam	5.549	684126	65631.91	38.5	401718.86	225913	53.0723 ng/ml
Cocaine	4.264	950730	2306.62	51.9	536.03	1739642	50.4993 ng/ml
Codeine	2.580	126095	163.02	102.5	852.00	121453	57.1116 ng/ml
Cyclobenzaprine	5.615	186793	20757.11	8.8	711.06	148632	50.9936 ng/ml
Dextromethorphan	5.255	260293	569.13	79.5	446.03	235260	52.5651 ng/ml
Dextrophan	4.111	356179	1741.01	208.3	1946.35	813934	51.4991 ng/ml
Diazepam	5.960	518662	4920.38	86.5	2692.09	466270	51.9835 ng/ml
Dihydrocodeine	2.559	320126	1177.15	64.8	9239.01	367968	55.7675 ng/ml
Diphenhydramine	5.289	1421318	342.36	33.6	1453.62	1639576	50.0578 ng/ml
Doxylamine	4.543	2449080	10826.49	97.6	1270.79	2034525	53.2700 ng/ml
EDDP	5.254	539275	31658.66	41.5	650.67	550340	50.3418 ng/ml
Etizolam	5.813	520278	8286.08	25.3	335586.11	225913	48.0905 ng/ml
Fentanyl	5.109	26016	110.60	63.6	63401.10	241888	5.1097 ng/ml
Flualprazolam	5.705	431225	11137.03	92.8	56533.12	609724	54.3677 ng/ml
Fluoxetine	5.700	144670	19285.21	8.7	20789.56	115796	51.0446 ng/ml
Hydrocodone	3.018	481776	63131.41	38.5	616.24	1054825	56.7244 ng/ml
Hydromorphone	1.628	435131	3557.27	77.6	183302.26	12828	55.0658 ng/ml
Ketamine	4.051	942102	23187.58	37.4	875.52	869852	52.6482 ng/ml
Lamotrigine	4.280	87334	2681.29	79.8	1116.17	869852	54.7059 ng/ml
Levetiracetam	2.683	411695	1442.79	163.8	7143.70	2245680	49.9780 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	853757	31750.52	57.7	1475.97	225913	52.9152 ng/ml
MDA	3.196	1466756	7260.91	25.2	2188.11	758621	57.4443 ng/ml
MDMA	3.290	898280	7590.10	80.6	3091.43	164973	52.0939 ng/ml
Meprobamate	4.917	497123	538.50	27.1	648.87	453697	55.4254 ng/ml
Methadone	5.646	808067	28300.92	46.9	7092.21	705631	51.0289 ng/ml
Methamphetamine	3.231	1720296	1582.41	37.6	766.79	1241968	56.8116 ng/ml
Metoprolol	4.326	233161	12710.09	92.4	5738.83	2003565	54.9504 ng/ml
Mirtazapine	4.637	1020012	4722.80	49.7	2699.34	990995	51.9658 ng/ml
Mitragynine	5.237	130209	458.72	39.7	101807.53	705631	53.2500 ng/ml
Morphine	1.287	62327	4889.61	32.2	178.02	12828	52.2192 ng/ml
Norbuprenorphine	4.986	1854	1347.70	99.5	14532.75	18288	4.7068 ng/ml
Nordiazepam	5.900	555288	2793.28	56.4	1341.75	354461	53.3117 ng/ml
Norfentanyl	4.079	203850	117.98	34.1	693.91	1681777	4.8111 ng/ml
Norhydrocodone	3.060	72578	209.35	39.9	47.33	124673	49.6560 ng/ml
Noroxycodone	2.909	520318	1545.76	42.2	1444.42	342671	52.9363 ng/ml
O-desmethyl-tramadol	3.369	2112036	137508.38	6.8	6673.92	2438498	51.5000 ng/ml
Oxazepam	5.756	1046333	10279.40	74.0	280.26	777509	54.2677 ng/ml
Oxycodone	2.834	985979	2016.86	27.3	714.18	817643	53.3776 ng/ml
Oxymorphone	1.432	481984	∞	42.8	315.88	336924	53.4500 ng/ml
Phentermine	3.783	467765	357.49	4.6	112.45	1017649	56.2564 ng/ml
Promethazine	5.532	414591	2108.24	27.6	897.13	336378	51.4131 ng/ml
Pseudoephedrine	2.596	2456353	13629.14	16.6	11155.36	2245680	49.3945 ng/ml
Quetiapine	5.562	677693	6437.88	58.1	675.06	176629	51.2434 ng/ml
Sertraline	5.776	62058	187.53	98.8	221.65	58344	49.6680 ng/ml
Temazepam	5.823	1779192	11781.49	28.4	601.03	1637544	50.3560 ng/ml
Tramadol	4.246	2143087	219556.72	3.6	119.16	2003565	53.7667 ng/ml
Trazodone	5.197	520104	219583.90	79.7	116190.92	413636	54.1457 ng/ml
Venlafaxine	5.037	1787879	1043.08	39.0	4910.60	1742822	50.5834 ng/ml
Zolpidem	4.948	2108199	4020.72	30.5	4024.86	1956011	52.8390 ng/ml

AM #28 Multi-Drug Quant. Results

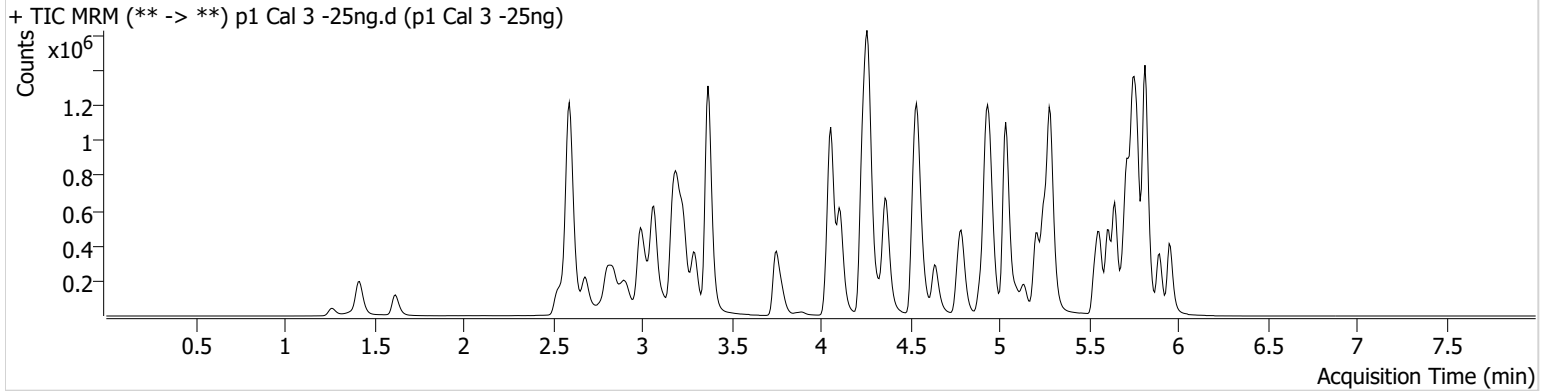
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Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

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	6/10/2021 11:46:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	11126	3346.22	70.7	18932.13	119351	2.3996 ng/ml
7-aminoclonazepam	4.278	246847	12165.97	78.1	593.19	374552	24.3487 ng/ml
a-hydroxyalprazolam	5.692	128486	2976.75	58.2	∞	622151	25.9498 ng/ml
alpha-PHP	4.937	137068	5278.81	261.0	2594.26	996013	26.3512 ng/ml
alpha-PVP	4.370	547400	9248.65	53.0	1000.65	996013	23.7678 ng/ml
Alprazolam	5.775	395840	893.04	116.3	1122.01	622151	23.1780 ng/ml
Amphetamine	3.069	1074102	1087.35	49.9	885.84	481622	26.7125 ng/ml
Benzoylecgonine	3.892	15085	482.62	8.2	3634.54	23100	22.7265 ng/ml
Buprenorphine	5.894	7685	283.41	15.3	3001.71	116647	2.3901 ng/ml
Bupropion	4.795	513713	439.56	60.3	1083.72	750459	24.1628 ng/ml
Carisoprodol	5.724	388720	549063.35	57.8	2030.62	822692	22.9899 ng/ml
Citalopram	5.212	267182	277.90	42.8	181824.97	517291	23.3898 ng/ml
Clonazepam	5.612	457431	7845.84	32.3	447086.30	228294	24.9921 ng/ml
Clonazepam	5.548	322152	6677.78	38.0	100478.23	228294	24.6634 ng/ml
Cocaine	4.264	450176	1100.92	51.1	9615.00	1728592	24.2248 ng/ml
Codeine	2.587	59890	277.54	103.8	2229.00	121827	26.5923 ng/ml
Cyclobenzaprine	5.615	69028	5817.17	9.0	157.97	116366	24.3152 ng/ml
Dextromethorphan	5.262	121207	1333.70	81.7	4159.06	241472	24.0264 ng/ml
Dextrophan	4.111	167588	2669.44	205.4	1163.90	818413	24.2683 ng/ml
Diazepam	5.960	235173	976.76	87.8	1183.94	452616	24.2636 ng/ml
Dihydrocodeine	2.559	149009	2305.99	65.1	8926.96	356392	26.4822 ng/ml
Diphenhydramine	5.289	686490	275.52	34.3	759.91	1707449	23.4454 ng/ml
Doxylamine	4.543	1121090	63758.39	98.9	40944.59	2046979	24.2393 ng/ml
EDDP	5.254	270532	1497.95	42.2	5594.02	592293	23.7167 ng/ml
Etizolam	5.813	241235	7043.72	25.2	140244.59	228294	22.4155 ng/ml
Fentanyl	5.109	11485	559.32	71.4	∞	229532	2.3769 ng/ml
Flualprazolam	5.705	200795	9150.96	94.2	18169.35	622151	24.6488 ng/ml
Fluoxetine	5.707	43108	2463.80	8.4	102.08	71187	24.8264 ng/ml
Hydrocodone	3.018	221600	127.06	39.1	164.18	1037086	26.2151 ng/ml
Hydromorphone	1.621	202883	1099176.38	77.5	3975.73	12896	25.3672 ng/ml
Ketamine	4.059	441987	10462.67	37.1	10425.30	860421	24.8381 ng/ml
Lamotrigine	4.280	41553	1617.18	77.6	1957.04	860421	26.1542 ng/ml
Levetiracetam	2.683	190543	1100.87	163.2	2958.59	2263524	23.2283 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	436770	6109.27	56.2	782.94	228294	26.2559 ng/ml
MDA	3.203	727990	3178.60	25.3	668.15	777428	27.2704 ng/ml
MDMA	3.296	420737	3619.46	79.8	1430.73	168390	23.9498 ng/ml
Meprobamate	4.917	242013	5108.08	27.1	329.47	458090	26.4319 ng/ml
Methadone	5.646	382686	11249.44	47.8	∞	730780	23.5239 ng/ml
Methamphetamine	3.238	816208	367.69	37.4	1003.59	1243837	26.3287 ng/ml
Metoprolol	4.326	109895	3351.22	90.1	5537.33	1994247	25.7148 ng/ml
Mirtazapine	4.637	484908	2456.52	50.1	1175.24	996013	24.3838 ng/ml
Mitragynine	5.244	64827	1274.70	38.1	65782.17	730780	25.5412 ng/ml
Morphine	1.267	29777	∞	31.8	778.69	12896	24.8167 ng/ml
Norbuprenorphine	4.986	1043	18.96	87.6	1697.10	19516	2.4581 ng/ml
Nordiazepam	5.900	250492	1842.58	56.2	435.32	345293	24.6231 ng/ml
Norfentanyl	4.086	95920	16561.12	34.3	145.65	1694705	2.2881 ng/ml
Norhydrocodone	3.066	36922	119.89	41.8	104.92	136302	23.3437 ng/ml
Noroxycodone	2.909	248246	1866.03	41.8	4280.20	348662	24.8075 ng/ml
O-desmethyl-tramadol	3.376	969999	17513.92	6.7	242.54	2391059	24.2493 ng/ml
Oxazepam	5.756	512925	4195.69	73.2	2759.94	828035	24.8204 ng/ml
Oxycodone	2.841	459191	1737.09	27.1	812.04	815934	24.8860 ng/ml
Oxymorphone	1.418	225236	∞	44.4	∞	342662	24.3886 ng/ml
Phentermine	3.790	217914	228.52	4.8	103.95	1001911	26.2385 ng/ml
Promethazine	5.538	148154	869.92	28.6	138.28	268357	23.2272 ng/ml
Pseudoephedrine	2.603	1147195	21802.75	16.4	2061.77	2263524	23.1819 ng/ml
Quetiapine	5.562	325698	984.15	57.6	6093.68	177269	24.5568 ng/ml
Sertraline	5.776	14443	144.59	99.4	498.12	30528	22.3256 ng/ml
Temazepam	5.823	837577	741.73	28.8	350.38	1695240	23.1712 ng/ml
Tramadol	4.246	1000756	779.79	3.7	155.91	1994247	25.0768 ng/ml
Trazodone	5.196	232027	408530.11	80.4	540.49	397422	25.0765 ng/ml
Venlafaxine	5.037	835182	8643.35	39.3	757.02	1766310	23.4918 ng/ml
Zolpidem	4.948	985521	1265952.04	31.1	4295.90	1960897	24.5859 ng/ml

AM #28 Multi-Drug Quant. Results

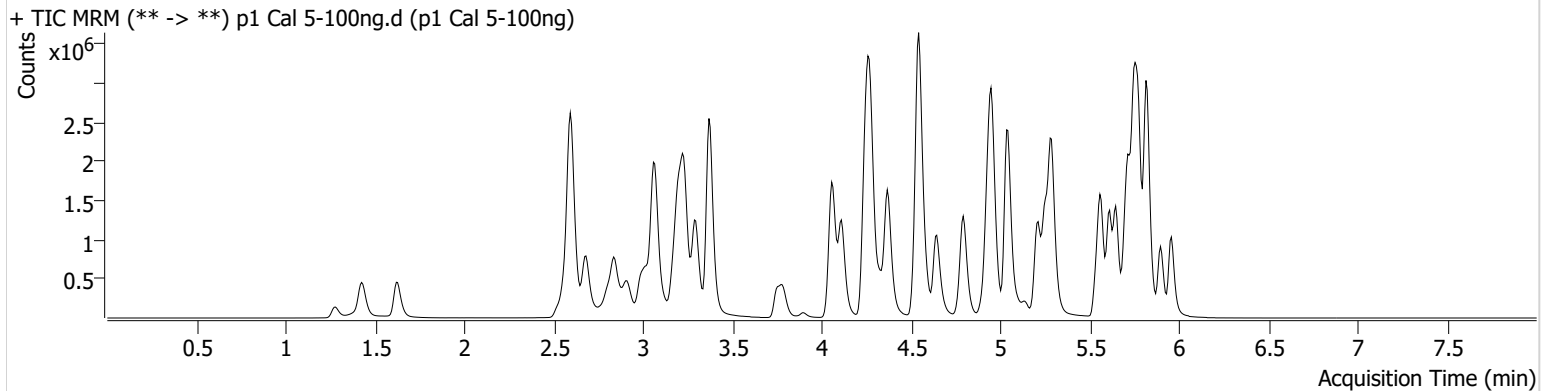
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Calibration Last Update 6/14/2021 11:16:25 AM

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	6/11/2021 12:07:28 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	46953	628.29	67.6	338.51	117215	10.3454 ng/ml
7-aminoclonazepam	4.278	948572	14256.02	78.1	413.02	344353	101.1284 ng/ml
a-hydroxyalprazolam	5.692	457551	2480.43	57.1	11508.55	580814	101.4491 ng/ml
alpha-PHP	4.937	509932	22174.89	264.4	7563.04	967135	102.9320 ng/ml
alpha-PVP	4.370	2192831	129349.49	53.1	28009.98	967135	97.0866 ng/ml
Alprazolam	5.775	1612142	1132.71	111.7	∞	580814	99.8810 ng/ml
Amphetamine	3.069	3848252	7055.37	49.5	16597.02	453485	104.3064 ng/ml
Benzoylecgonine	3.899	65211	1945.21	7.7	564.77	23359	95.7669 ng/ml
Buprenorphine	5.894	25693	11263.79	14.5	8499.29	96154	9.5630 ng/ml
Bupropion	4.795	1959472	1204.39	60.7	1459.40	699201	98.4628 ng/ml
Carisoprodol	5.724	1427922	1132.46	56.0	3692.23	703073	97.7306 ng/ml
Citalopram	5.212	1000282	1793.93	42.0	28939.05	459284	97.4901 ng/ml
Clonazepam	5.612	1774262	226947.18	32.4	72728.67	212543	105.4925 ng/ml
Clonazepam	5.549	1248546	39585.99	37.9	835488.73	212543	103.0701 ng/ml
Cocaine	4.264	1759468	25903.51	52.2	1201.55	1660036	97.6506 ng/ml
Codeine	2.580	220926	589.72	102.0	2764.42	117296	104.3056 ng/ml
Cyclobenzaprine	5.615	269815	26794.94	8.8	331.70	111509	97.7500 ng/ml
Dextromethorphan	5.262	432136	1192.41	79.7	28924.80	203093	100.7880 ng/ml
Dextrophan	4.111	663601	1255.26	206.7	1414.03	787076	98.9270 ng/ml
Diazepam	5.960	973652	2388.84	88.2	7095.40	451556	100.7969 ng/ml
Dihydrocodeine	2.559	593246	1107.92	65.5	15873.09	365016	104.7156 ng/ml
Diphenhydramine	5.289	2600133	24522.96	33.0	1052.24	1531047	97.6570 ng/ml
Doxylamine	4.543	4814119	51622.75	96.9	112724.85	2031770	104.8489 ng/ml
EDDP	5.254	1118220	17866.35	42.6	798.22	587240	97.3839 ng/ml
Etizolam	5.813	956181	23771.99	25.9	386400.15	212543	93.3249 ng/ml
Fentanyl	5.116	41156	208.72	67.2	184423.66	200876	9.7339 ng/ml
Flualprazolam	5.705	789280	19504.79	95.5	40049.42	580814	104.7370 ng/ml
Fluoxetine	5.707	165008	33172.70	8.8	14984.23	69060	97.4713 ng/ml
Hydrocodone	3.018	886228	395.56	39.5	283.72	1061305	104.2092 ng/ml
Hydromorphone	1.628	798821	1324.14	77.3	2576133.40	12409	104.7920 ng/ml
Ketamine	4.059	1785775	33367.51	36.6	2410.08	846591	102.7765 ng/ml
Lamotrigine	4.287	156729	1222.17	82.0	1530.63	846591	101.1322 ng/ml
Levetiracetam	2.683	776253	5103.43	162.6	1537.18	2151558	97.8557 ng/ml

AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1325326	15810.76	57.3	1167.17	212543	88.0110 ng/ml
MDA	3.203	2542545	4515.09	25.0	3381.82	704274	108.1872 ng/ml
MDMA	3.296	1690250	3265.19	80.7	9784.02	160882	100.4375 ng/ml
Meprobamate	4.924	836361	62612.43	28.0	10806.32	425373	99.9050 ng/ml
Methadone	5.646	1385291	16889.09	48.1	7137.45	642977	95.6974 ng/ml
Methamphetamine	3.231	3187247	1858.35	37.6	906.37	1234830	106.8257 ng/ml
Metoprolol	4.326	444119	948029.63	90.9	10439.51	2007834	104.9688 ng/ml
Mirtazapine	4.644	1837865	11319.77	49.5	8491.45	967135	96.2571 ng/ml
Mitragynine	5.244	222919	1553.40	40.6	1385.25	642977	100.1456 ng/ml
Morphine	1.281	117973	587.54	32.2	2820.13	12409	102.1756 ng/ml
Norbuprenorphine	4.992	3325	86.92	113.4	2338.13	15841	9.7932 ng/ml
Nordiazepam	5.900	1006071	7370.09	56.8	2872.35	338599	101.2223 ng/ml
Norfentanyl	4.086	376826	4341.07	34.8	573.81	1600496	9.2716 ng/ml
Norhydrocodone	3.066	115473	253.46	45.3	179.31	110525	88.7636 ng/ml
Noroxycodone	2.909	911595	2383.30	42.6	183.01	313848	101.2869 ng/ml
O-desmethyl-tramadol	3.376	4039093	3121.16	6.7	7680.07	2385848	100.4338 ng/ml
Oxazepam	5.756	1743978	61487.20	73.8	341.74	676016	104.3009 ng/ml
Oxycodone	2.834	1892097	7748.94	27.2	1136.07	813953	102.9398 ng/ml
Oxymorphone	1.425	870745	5465.56	44.1	∞	328629	99.2688 ng/ml
Phentermine	3.790	839298	1473.24	4.5	132.61	992001	104.1568 ng/ml
Promethazine	5.538	565138	14984.18	28.2	6580.93	243592	96.4610 ng/ml
Pseudoephedrine	2.603	4646871	1255.65	16.3	44606.75	2151558	96.9956 ng/ml
Quetiapine	5.562	1248938	25616.28	58.1	761393.14	169495	98.3809 ng/ml
Sertraline	5.776	70330	346.13	94.8	321.53	31268	104.5627 ng/ml
Temazepam	5.823	3140923	12638.35	28.5	747.68	1493337	97.0140 ng/ml
Tramadol	4.246	4041050	219426.27	3.6	314.37	2007834	101.4137 ng/ml
Trazodone	5.196	907427	410.54	80.3	1746.54	378871	103.2449 ng/ml
Venlafaxine	5.043	3439476	1649.20	37.9	1429.35	1714339	98.6147 ng/ml
Zolpidem	4.955	4037213	24918.48	30.4	51208.18	1918873	103.2405 ng/ml

AM #28 Multi-Drug Quant. Results

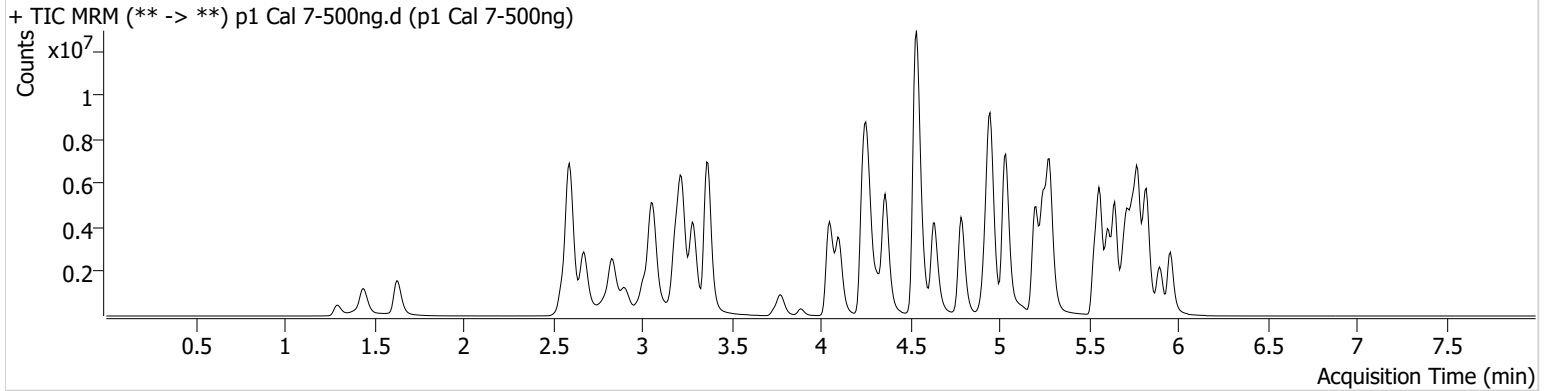
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Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	6/11/2021 12:28:40 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	208541	341.78	70.4	524.42	106628	50.5520 ng/ml
7-aminoclonazepam	4.271	2520040	9422.44	77.9	16476.26	184997	499.2937 ng/ml
a-hydroxyalprazolam	5.685	955244	916.85	56.9	1192.52	376523	328.6572 ng/ml
alpha-PHP	4.930	1678617	3823.43	271.1	10042.77	756393	435.4753 ng/ml
alpha-PVP	4.363	9133129	2916.19	51.8	84060.81	756393	515.6885 ng/ml
Alprazolam	5.775	5291055	1349.21	113.1	∞	376523	504.1786 ng/ml
Amphetamine	3.063	11279926	73084.33	48.2	91679.60	339935	410.6328 ng/ml
Benzoylecgonine	3.886	357952	1369.76	7.9	2215.15	23893	512.0574 ng/ml
Buprenorphine	5.901	96705	129657.06	13.5	9527.31	67864	50.8129 ng/ml
Bupropion	4.788	7491518	3595.94	59.8	1150.96	516860	508.6317 ng/ml
Carisoprodol	5.724	3658091	295281.70	56.1	∞	334509	524.7804 ng/ml
Citalopram	5.205	3803206	1461.06	41.0	5453.00	330564	513.4938 ng/ml
Clonazepam	5.612	4923923	66720.08	31.4	97113.73	128950	484.0953 ng/ml
Clonazepam	5.549	3705219	48893.06	37.6	32808.38	128950	504.6508 ng/ml
Cocaine	4.257	6651529	895.21	51.3	66924.32	1203022	508.1093 ng/ml
Codeine	2.573	661554	1171.44	98.1	13767.56	87134	423.0512 ng/ml
Cyclobenzaprine	5.615	2020243	1735.08	8.5	2043.05	158515	512.8795 ng/ml
Dextromethorphan	5.255	1656088	1321.26	78.2	13918.85	155817	502.1369 ng/ml
Dextrophan	4.105	2500111	2235.71	209.6	2585.14	576599	507.4357 ng/ml
Diazepam	5.960	3519491	574.46	87.5	536.95	326769	503.6283 ng/ml
Dihydrocodeine	2.552	2215200	3190.09	67.1	1200.41	336366	426.1898 ng/ml
Diphenhydramine	5.282	10265554	81597.63	32.2	1093.17	1128610	521.1813 ng/ml
Doxylamine	4.536	20100634	271984.63	96.9	180290.67	1750842	508.0043 ng/ml
EDDP	5.248	6128164	12847.82	40.7	7443.06	614226	508.2493 ng/ml
Etizolam	5.813	3341386	8362.75	25.1	15180.43	128950	534.4586 ng/ml
Fentanyl	5.109	249364	123.69	68.0	114.96	230168	51.4738 ng/ml
Flualprazolam	5.705	2349025	22374.96	103.3	59722.29	376523	481.9067 ng/ml
Fluoxetine	5.700	1259224	28122.58	8.5	10821.79	102916	498.4558 ng/ml
Hydrocodone	3.012	3375908	661.98	38.5	482.87	906285	466.9614 ng/ml
Hydromorphone	1.635	3067913	33214.21	77.2	1568563.79	10470	478.1298 ng/ml
Ketamine	4.051	7410655	69352.86	35.6	46008.71	733512	493.2104 ng/ml
Lamotrigine	4.280	473520	5437.92	81.6	20862.69	733512	353.4161 ng/ml
Levetiracetam	2.676	2949797	10628.91	167.9	6187.20	1463735	544.2250 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1905278	35191.98	56.5	1264.00	128950	210.0211 ng/ml
MDA	3.189	6844372	94013.46	23.4	16560.71	454652	454.5185 ng/ml
MDMA	3.290	6310359	21228.57	80.4	13755.45	119383	504.9793 ng/ml
Meprobamate	4.911	2175336	99190.16	27.5	758.45	330981	335.2754 ng/ml
Methadone	5.646	6447077	78463.60	46.0	32823.92	553224	516.0899 ng/ml
Methamphetamine	3.224	11729033	2825.62	36.0	2075.32	1033838	473.3224 ng/ml
Metoprolol	4.319	1557840	9188.55	92.5	6666.58	1535571	483.5233 ng/ml
Mirtazapine	4.637	7560689	56949.02	48.5	96118.16	756393	507.8994 ng/ml
Mitragynine	5.237	938516	42911.19	39.1	503.96	553224	490.4622 ng/ml
Morphine	1.301	484607	897.44	32.4	13657.43	10470	497.4339 ng/ml
Norbuprenorphine	4.986	12848	14529.81	102.8	1427.74	11834	50.8498 ng/ml
Nordiazepam	5.900	3155691	2106.17	55.7	2039.43	224254	479.8362 ng/ml
Norfentanyl	4.072	1500072	2090.72	33.2	350.53	1103621	53.1532 ng/ml
Norhydrocodone	3.053	462469	152.21	41.6	669.37	74947	522.0723 ng/ml
Noroxycodone	2.903	2709085	1167.12	43.4	11563.74	194484	485.8502 ng/ml
O-desmethyl-tramadol	3.369	17068010	211887.88	6.7	18586.69	1934182	522.4988 ng/ml
Oxazepam	5.749	2900098	2201.58	73.0	13766.10	245746	478.1749 ng/ml
Oxycodone	2.827	7978229	118574.14	26.6	1623.36	728490	485.1535 ng/ml
Oxymorphone	1.438	3178486	6597.20	42.5	518.90	235007	508.0167 ng/ml
Phentermine	3.777	2706524	24691.85	4.4	1624.33	784440	426.9776 ng/ml
Promethazine	5.532	4171617	15577.20	27.9	1415.79	338727	510.5094 ng/ml
Pseudoephedrine	2.596	17379868	157803.41	15.6	140174.24	1463735	530.7751 ng/ml
Quetiapine	5.562	5526242	111174.48	58.5	430.05	145929	505.4627 ng/ml
Sertraline	5.776	606465	6669.12	99.5	12610.00	55751	504.0768 ng/ml
Temazepam	5.823	7631308	41566.55	27.2	13369.28	680222	515.3038 ng/ml
Tramadol	4.239	15211380	3154.29	3.5	722.99	1535571	500.2398 ng/ml
Trazodone	5.197	4771352	95747.18	80.5	2922.01	423950	485.5922 ng/ml
Venlafaxine	5.037	13984662	122720.99	37.0	1005.71	1309881	523.3504 ng/ml
Zolpidem	4.948	16713333	1214.61	29.8	7176.83	1611957	509.1650 ng/ml

AM #28 Multi-Drug Quant. Results

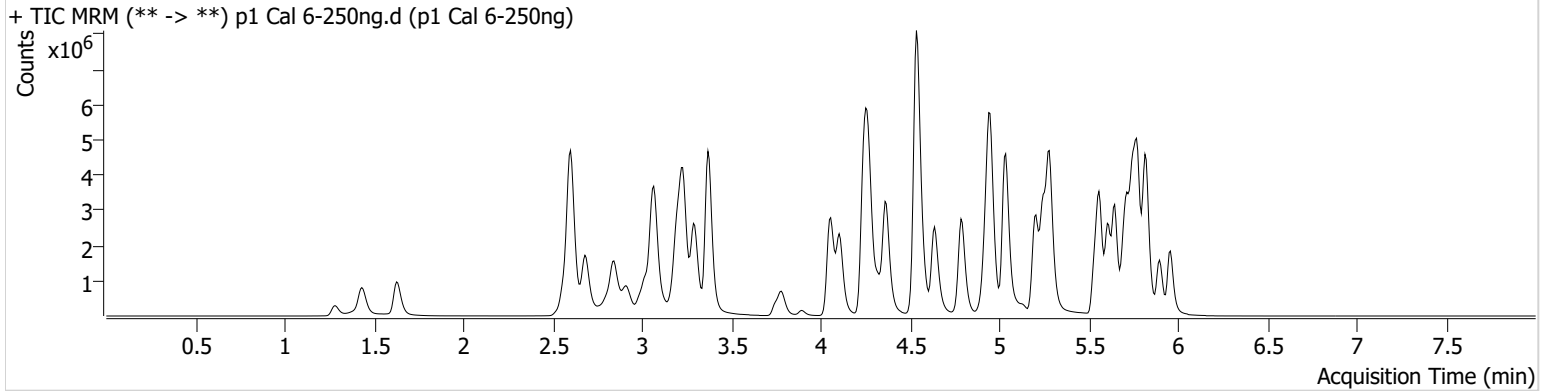
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Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 AM

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	6/11/2021 12:18:04 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	110002	2620.70	70.5	2138.58	116867	24.3236 ng/ml
7-aminoclonazepam	4.271	1823461	24882.78	78.5	10155.86	267306	250.1365 ng/ml
a-hydroxyalprazolam	5.692	749801	547.54	57.6	468.80	470897	205.9462 ng/ml
alpha-PHP	4.930	1077537	5244.85	265.8	1307.75	875420	241.2224 ng/ml
alpha-PVP	4.370	5077343	345860.02	52.2	1757.60	875420	247.8663 ng/ml
Alprazolam	5.775	3342793	2668.38	111.1	2631.86	470897	254.8746 ng/ml
Amphetamine	3.069	7624152	9017.71	48.8	1106.88	405716	232.1363 ng/ml
Benzoylecgonine	3.892	163707	297.58	8.1	310.78	23861	234.7288 ng/ml
Buprenorphine	5.894	59902	4543.72	14.6	14341.41	90060	23.7407 ng/ml
Bupropion	4.788	4469924	22395.01	60.6	28477.54	630731	248.7683 ng/ml
Carisoprodol	5.724	2510200	4855685.68	57.2	6120.13	500023	241.0854 ng/ml
Citalopram	5.205	2399000	15760.98	41.7	20374.50	430688	248.7865 ng/ml
Clonazepam	5.612	3344475	55100.74	32.1	18140.03	170834	247.9851 ng/ml
Clonazepam	5.549	2491572	469460.38	37.7	1694623.93	170834	256.0899 ng/ml
Cocaine	4.257	3867333	391045.94	52.4	123505.54	1458471	243.8411 ng/ml
Codeine	2.587	422924	1422.17	99.4	2370.02	103186	227.9844 ng/ml
Cyclobenzaprine	5.615	989762	11664.43	9.0	1959.40	162041	246.0457 ng/ml
Dextromethorphan	5.255	1049375	14058.27	79.9	284.18	202452	245.0535 ng/ml
Dextrophan	4.105	1487761	54103.17	210.1	2467.69	707618	246.2181 ng/ml
Diazepam	5.960	2053608	9955.37	87.0	15932.08	381738	251.5330 ng/ml
Dihydrocodeine	2.559	1300202	40629.75	66.6	11167.43	355321	236.5328 ng/ml
Diphenhydramine	5.282	6442948	86495.84	32.5	62421.36	1483568	249.0670 ng/ml
Doxylamine	4.536	11645582	9417.23	95.3	209118.37	1948929	264.4075 ng/ml
EDDP	5.248	3218499	1043.82	41.0	28207.90	658946	249.0562 ng/ml
Etizolam	5.813	1994649	19847.31	25.0	22958.14	170834	241.1803 ng/ml
Fentanyl	5.109	128348	2583.96	69.2	77824.98	246741	24.7140 ng/ml
Flualprazolam	5.698	1542918	15057.82	99.6	3688.12	470897	252.9541 ng/ml
Fluoxetine	5.700	652307	64785.75	8.7	1074.91	108196	245.6952 ng/ml
Hydrocodone	3.018	1947324	624.00	39.2	653.03	998611	244.1653 ng/ml
Hydromorphone	1.628	1764007	11589.25	77.2	1173703.51	11808	243.6029 ng/ml
Ketamine	4.051	4093034	224962.72	36.2	27358.34	793005	251.8488 ng/ml
Lamotrigine	4.280	314026	8901.83	80.0	1478.53	793005	216.6737 ng/ml
Levetiracetam	2.683	1733623	16877.75	164.0	13694.18	1847007	253.7510 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1788281	34954.92	57.2	1740.14	170834	148.4804 ng/ml
MDA	3.203	4782888	27281.49	24.3	1296.68	586705	245.6422 ng/ml
MDMA	3.296	3690549	58631.32	81.3	2269.58	143181	246.2893 ng/ml
Meprobamate	4.917	1537216	384.91	27.6	17841.71	377294	207.6274 ng/ml
Methadone	5.646	3757227	188901.95	47.5	17529.46	685125	243.0475 ng/ml
Methamphetamine	3.231	7067130	8573.76	37.0	1381.21	1171587	251.1400 ng/ml
Metoprolol	4.326	947974	903.75	92.4	2207.52	1742200	259.0665 ng/ml
Mirtazapine	4.637	4439366	109706.16	49.2	6106.29	875420	257.4894 ng/ml
Mitragynine	5.237	604293	203818.20	38.0	625.89	685125	254.9480 ng/ml
Morphine	1.287	274437	61565.18	33.2	7541.84	11808	249.7754 ng/ml
Norbuprenorphine	4.986	8420	143.11	94.5	300.12	15171	25.9719 ng/ml
Nordiazepam	5.900	2013307	1422.80	56.7	834.09	273574	250.8858 ng/ml
Norfentanyl	4.079	867340	33053.33	34.1	4280.87	1401539	24.2428 ng/ml
Norhydrocodone	3.066	256416	271.93	42.4	232.60	84001	258.4890 ng/ml
Noroxycodone	2.909	1795500	985.93	42.5	7914.62	252513	247.9941 ng/ml
O-desmethyl-tramadol	3.369	9668043	79503.92	6.5	30510.42	2222346	257.7102 ng/ml
Oxazepam	5.749	2654115	9053.28	74.3	2986.29	429194	250.4289 ng/ml
Oxycodone	2.841	4360423	37230.02	26.9	1439.51	786610	245.5410 ng/ml
Oxymorphone	1.432	1866566	∞	44.0	319.74	286931	244.1812 ng/ml
Phentermine	3.783	1743823	15294.51	4.5	187.11	907571	237.4592 ng/ml
Promethazine	5.532	2025230	2020.30	28.2	1834.62	338952	247.8615 ng/ml
Pseudoephedrine	2.603	10401434	281047.93	15.6	38475.88	1847007	252.0284 ng/ml
Quetiapine	5.562	3079379	179082.29	59.9	41826.15	170170	241.5545 ng/ml
Sertraline	5.776	298760	208.16	96.2	48006.80	55427	249.9865 ng/ml
Temazepam	5.823	5562663	99991.16	27.9	1520.89	1044985	244.7674 ng/ml
Tramadol	4.239	9106106	50063.09	3.5	1060.07	1742200	263.8138 ng/ml
Trazodone	5.196	2482476	93451.73	81.8	72665.74	438419	244.2505 ng/ml
Venlafaxine	5.037	8010302	5069.35	36.8	1194.33	1546684	254.0435 ng/ml
Zolpidem	4.948	9441738	9380.95	28.8	10383.09	1752922	264.4597 ng/ml

TS

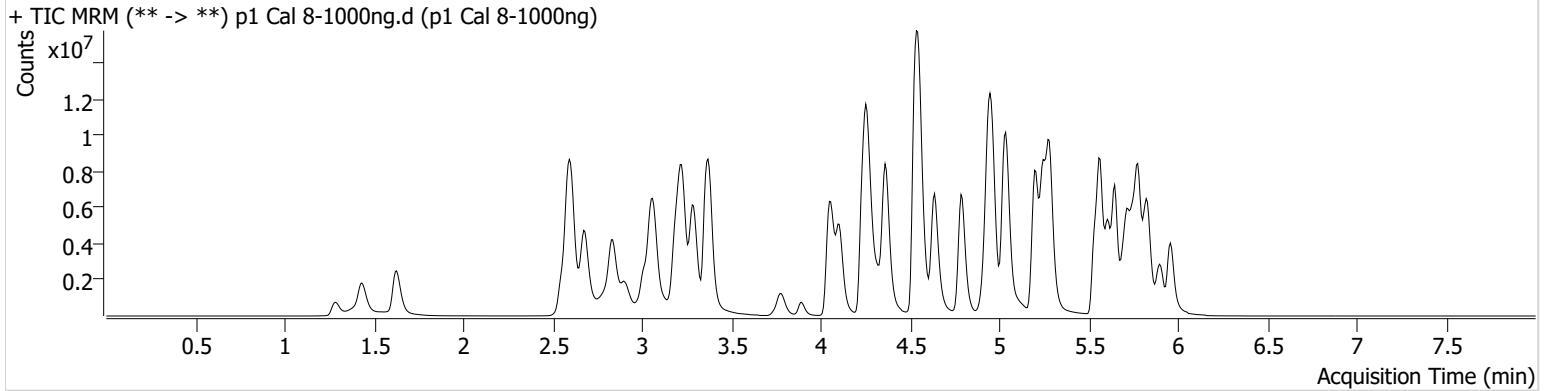


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\061021 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/14/2021 11:16:25 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	6/11/2021 12:39:16 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	393608	1589.11	70.1	4632.95	99280	102.4865 ng/ml
7-aminoclonazepam	4.278	2987362	18999.11	72.2	10231.18	112337	974.5205 ng/ml
a-hydroxyalprazolam	5.685	1145070	761.38	57.3	1032.26	280901	528.6108 ng/ml
alpha-PHP	4.930	2221566	44207.29	272.7	182563.36	606312	719.4427 ng/ml
alpha-PVP	4.363	14795308	1909.05	52.5	2946.52	606312	1041.8651 ng/ml
Alprazolam	5.775	7938259	∞	110.7	2652.81	280901	1013.5550 ng/ml
Amphetamine	3.063	14588562	194389.79	48.2	38838.33	248573	727.0075 ng/ml
Benzoylecgonine	3.892	876766	3179.93	7.9	225.80	25025	1196.9181 ng/ml
Buprenorphine	5.901	118721	903.51	14.2	36359.92	38983	108.5495 ng/ml
Bupropion	4.788	11662159	308253.38	59.6	1050.70	405803	1008.3421 ng/ml
Carisoprodol	5.724	4527986	19632.73	57.0	9421.86	202889	1070.6255 ng/ml
Citalopram	5.205	5032458	134633.83	40.4	65954.48	217302	1033.2525 ng/ml
Clonazepam	5.612	6619174	29187.84	31.4	31522.97	94608	887.3466 ng/ml
Clonazepam	5.549	4900840	111425.82	37.5	468063.47	94608	909.8915 ng/ml
Cocaine	4.257	10482066	1496.03	50.5	35147.98	913889	1053.7245 ng/ml
Codeine	2.573	944982	933.32	97.2	12525.76	69346	759.9819 ng/ml
Cyclobenzaprine	5.615	2982384	5118.60	8.6	27326.67	117772	1018.6033 ng/ml
Dextromethorphan	5.255	2106005	761.15	78.7	400.79	98032	1014.6228 ng/ml
Dextrophan	4.105	3701302	73116.64	210.2	44716.68	422372	1025.2190 ng/ml
Diazepam	5.960	5453648	99520.08	88.6	180715.34	262824	970.3050 ng/ml
Dihydrocodeine	2.552	3553415	1317.36	66.7	330.65	326669	704.3492 ng/ml
Diphenhydramine	5.282	14202846	2560.79	33.2	68699.49	770401	1055.9141 ng/ml
Doxylamine	4.543	29182420	275164.24	97.7	553526.13	1517781	850.7757 ng/ml
EDDP	5.248	10664887	69272.39	41.4	43773.27	510400	1063.9233 ng/ml
Etizolam	5.813	5396635	7955.08	24.6	16577549.0	94608	1175.7552 ng/ml
Fentanyl	5.109	370173	501.63	71.4	179.21	171169	102.7493 ng/ml
Flualprazolam	5.705	3322746	47769.31	103.4	9794.78	280901	913.9823 ng/ml
Fluoxetine	5.700	1296928	40023.07	8.7	10242.65	52436	1007.4427 ng/ml
Hydrocodone	3.012	5690875	∞	39.4	∞	795545	897.3034 ng/ml
Hydromorphone	1.628	5136859	2122672.50	76.6	7990808.19	9084	923.0082 ng/ml
Ketamine	4.051	12623490	97034.19	35.2	8089.46	651248	946.5029 ng/ml
Lamotrigine	4.287	649081	3300.76	81.3	9127.72	651248	545.8089 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	4964953	15225.21	169.3	19909.05	1050819	1275.2623 ng/ml
Lorazepam	5.747	1996328	32940.03	56.0	9342.19	94608	300.3987 ng/ml
MDA	3.189	8835691	13922.29	23.7	8558.55	332069	804.1782 ng/ml
MDMA	3.290	9454025	4152.70	79.6	3838.15	89880	1004.8073 ng/ml
Meprobamate	4.911	2741892	129479.13	27.8	15366.80	282694	495.0478 ng/ml
Methadone	5.646	9247283	121065.66	46.1	28995.12	379362	1079.1225 ng/ml
Methamphetamine	3.224	16652717	26839.06	36.5	29947.99	862016	806.7490 ng/ml
Metoprolol	4.326	2216442	567073.03	94.4	4249.71	1243605	849.8909 ng/ml
Mirtazapine	4.637	12088942	198948.28	48.4	6929.30	606312	1013.4786 ng/ml
Mitragynine	5.237	1210883	774.24	40.3	2862.79	379362	922.9104 ng/ml
Morphine	1.287	802318	83470.46	33.0	10982.41	9084	949.1974 ng/ml
Norbuprenorphine	4.986	15904	3983.70	94.4	14754.95	7293	102.1825 ng/ml
Nordiazepam	5.900	4395627	725.17	55.5	406.30	153922	973.9033 ng/ml
Norfentanyl	4.079	2312627	92169.51	34.4	868.74	773836	116.7741 ng/ml
Norhydrocodone	3.059	773399	383.75	43.7	108.52	58747	1113.3357 ng/ml
Noroxycodone	2.903	3980995	3728.07	41.5	12800.58	140763	986.4578 ng/ml
O-desmethyl-tramadol	3.369	25151799	1189.80	7.4	169916.08	1604323	928.0894 ng/ml
Oxazepam	5.749	2792650	15381.61	71.6	8622.01	121680	930.2291 ng/ml
Oxycodone	2.827	14059523	5318.88	26.0	2305.75	643772	967.5097 ng/ml
Oxymorphone	1.432	5435325	349.19	42.4	365.23	212901	959.2088 ng/ml
Phentermine	3.783	3851667	∞	4.4	2205.69	644637	739.9410 ng/ml
Promethazine	5.532	6449143	5977.27	27.0	2003.84	254562	1049.7869 ng/ml
Pseudoephedrine	2.601	24909492	97036.54	16.2	86110.01	1050819	1059.1050 ng/ml
Quetiapine	5.562	9506582	95474.95	59.8	134069.38	122281	1037.6555 ng/ml
Sertraline	5.776	664269	507.98	96.8	369.99	30953	994.0581 ng/ml
Temazepam	5.830	8874593	13783.81	27.3	14573.25	373461	1090.9287 ng/ml
Tramadol	4.239	21287338	1042.17	3.8	1410.82	1243605	864.6100 ng/ml
Trazodone	5.196	8965344	174721.94	81.0	141060.77	406052	952.7594 ng/ml
Venlafaxine	5.039	20946112	270065.87	39.4	1193.86	1018523	1007.7997 ng/ml
Zolpidem	4.955	25764182	15947.21	33.6	10102.87	1489256	849.6305 ng/ml