5/14/2021

REVIEWED
By Tamara Salazar at 7:57 am, May 25, 2021

Worklist: 4979

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
M2021-1870	2	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2021-1116	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2021-1278	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2021-1286	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2021-1405	2	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	

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

Extraction Date: 05/12/2021
Plate lot#: 201207
Mobile phase A: 5mM Amm Form + 0.01% FA
Blank Blood Lot: Lampire 20L20723
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Expiration: 06/07/2021
Mobile phase B: 0.01% Formic Acid in MeOH

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: #42**
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)***
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH**. 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 R^2 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: The P2 extraction was done at the same time as the P1 run. Alpha-hydroxymidazolam, chlorpheniramine, midazolam, norketamine, and phencyclidine were the only compounds evaluated for this run.

Curve limitation: Norketamine 5-250

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Cal. 1	IS + QC_1	P2021-1286-1	IS + Sample	IS + Sample	IS + Cal. 8	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Cal. 2	IS + QC_2	P2021-1405-2	IS + Sample	IS + Sample	IS + Cal. 7	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 5	IS + Sample	IS + Sample	IS + Cal. 5
E	IS + Cal. 5	IS + Sample	IS + Sample	IS + Cal. 5	NEG Blood	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	IS + Sample	IS + Sample	IS + Cal. 6	M2021-1870-2	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	IS + Sample	IS + Sample	IS + Cal. 7	P2021-1116-1	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	IS + Sample	IS + Sample	IS + Cal. 8	P2021-1278-1	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

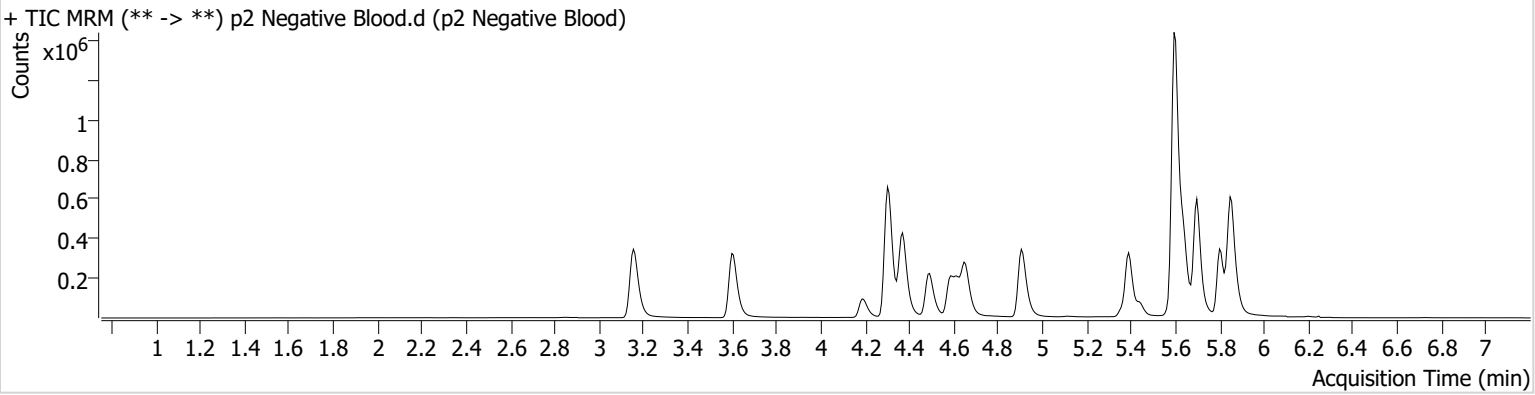
Samples moved on SLE plate to A10-B12 (A4 moved to A10, B4 moved to B10, etc.)

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Negative Blood.d
Type	Sample	**Sample**	p2 Negative Blood
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-E11	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 10:48:35 AM		
Sample Info.			

Sample Chromatogram

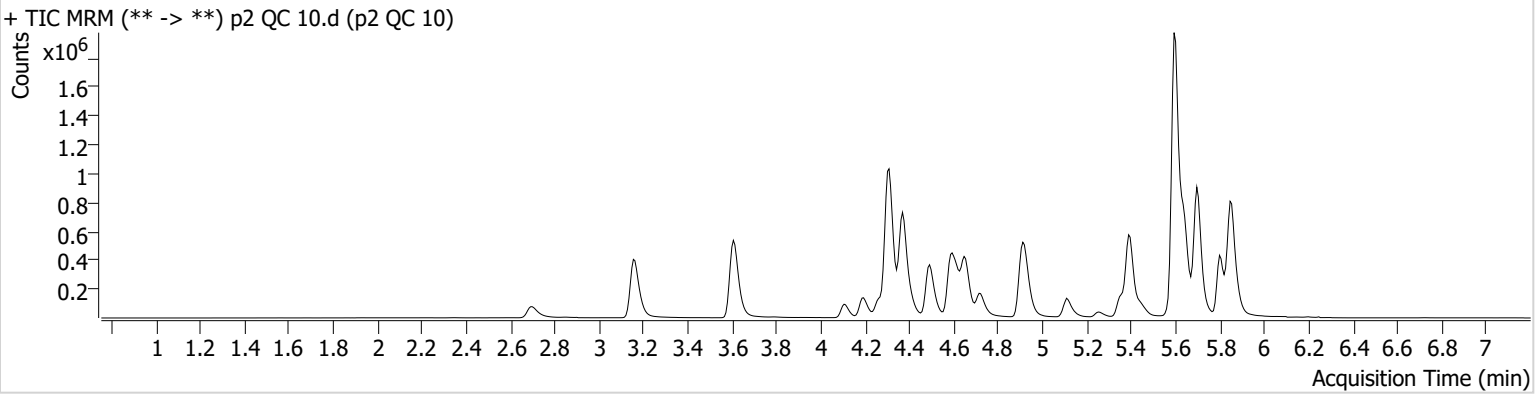


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 QC 10.d
Type	QC	**Sample**	p2 QC 10
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-A11	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 9:44:49 AM		
Sample Info.			

Sample Chromatogram



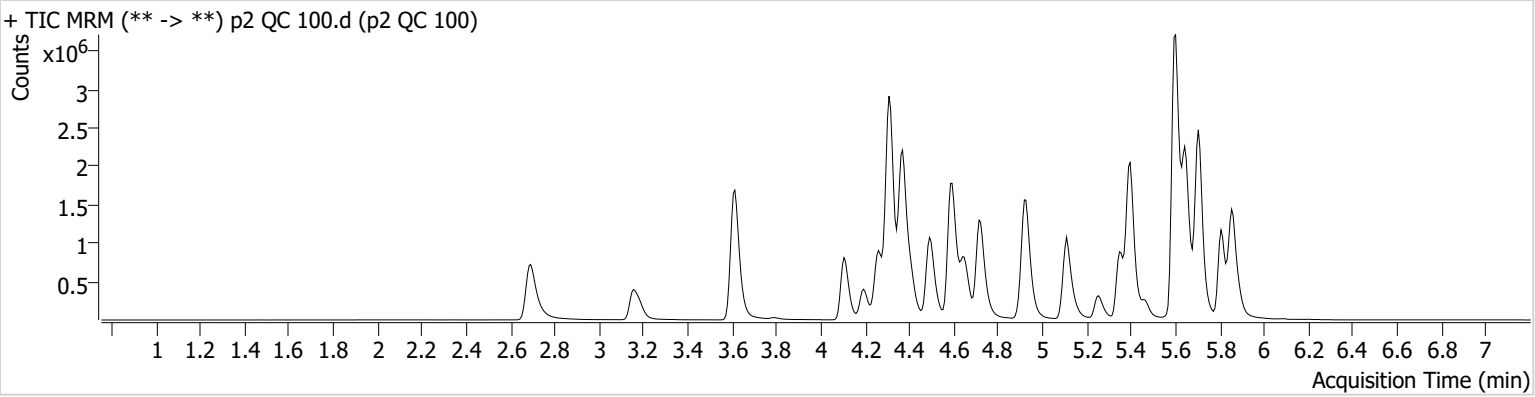
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	122982	801.67	53.6	98289.70	645846	10.2288 ng/ml
Chlorpheniramine	5.111	350605	676.64	0.3	27.67	218226	9.0894 ng/ml
Midazolam	5.846	30802	72186.45	94.8	2329.19	443842	9.6734 ng/ml
Norketamine	4.108	45697	406.13	440.9	800.06	1122472	10.9708 ng/ml
Phencyclidine	4.928	272105	2185.89	80.8	2275.08	1130156	10.4393 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 11:31:50 AM

Instrument	Falco (069901)	**Data File**	p2 QC 100.d
Type	QC	**Sample**	p2 QC 100
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-B11	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 12:02:57 PM		
Sample Info.			

Sample Chromatogram



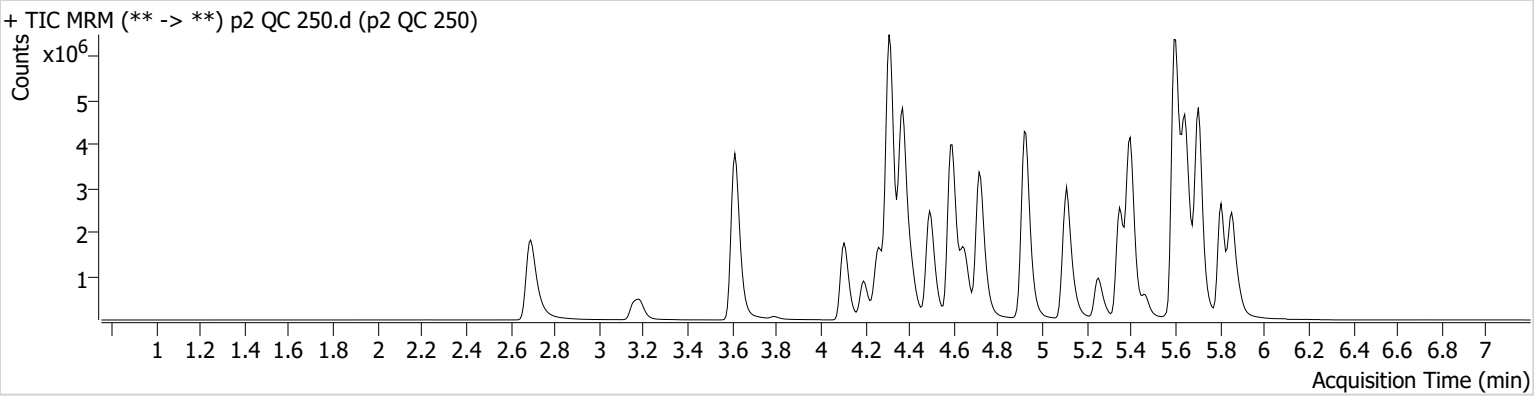
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	1143016	940.00	53.0	3889.44	632254	96.3590 ng/ml
Chlorpheniramine	5.111	2919257	4365.93	0.3	76.97	166262	108.9960 ng/ml
Midazolam	5.846	277308	1201.81	91.2	4079.22	389545	97.5781 ng/ml
Norketamine	4.108	383055	1714.32	461.6	7365.95	1041964	104.6025 ng/ml
Phencyclidine	4.928	2064842	7578.04	82.9	3786.20	863217	102.4477 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 QC 250.d
Type	QC	**Sample**	p2 QC 250
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-C11	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 10:06:09 AM		
Sample Info.			

Sample Chromatogram



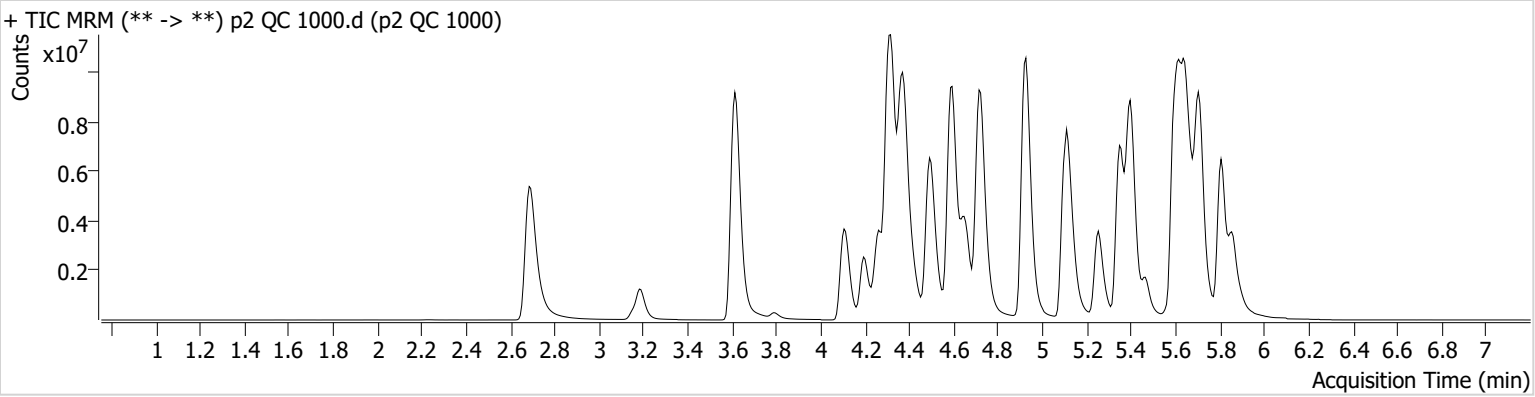
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	3036149	911.76	52.6	2896.36	642688	251.6559 ng/ml
Chlorpheniramine	5.111	8464978	7117.22	0.3	19694.30	199693	264.5203 ng/ml
Midazolam	5.846	734865	24521.43	92.6	163.48	415307	242.2771 ng/ml
Norketamine	4.108	881261	3432.13	452.7	170761.35	1060511	237.3097 ng/ml
Phencyclidine	4.928	6231901	19485.73	82.6	1738.35	1022272	260.8699 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 QC 1000.d
Type	QC	**Sample**	p2 QC 1000
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-D11	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 10:27:20 AM		
Sample Info.			

Sample Chromatogram

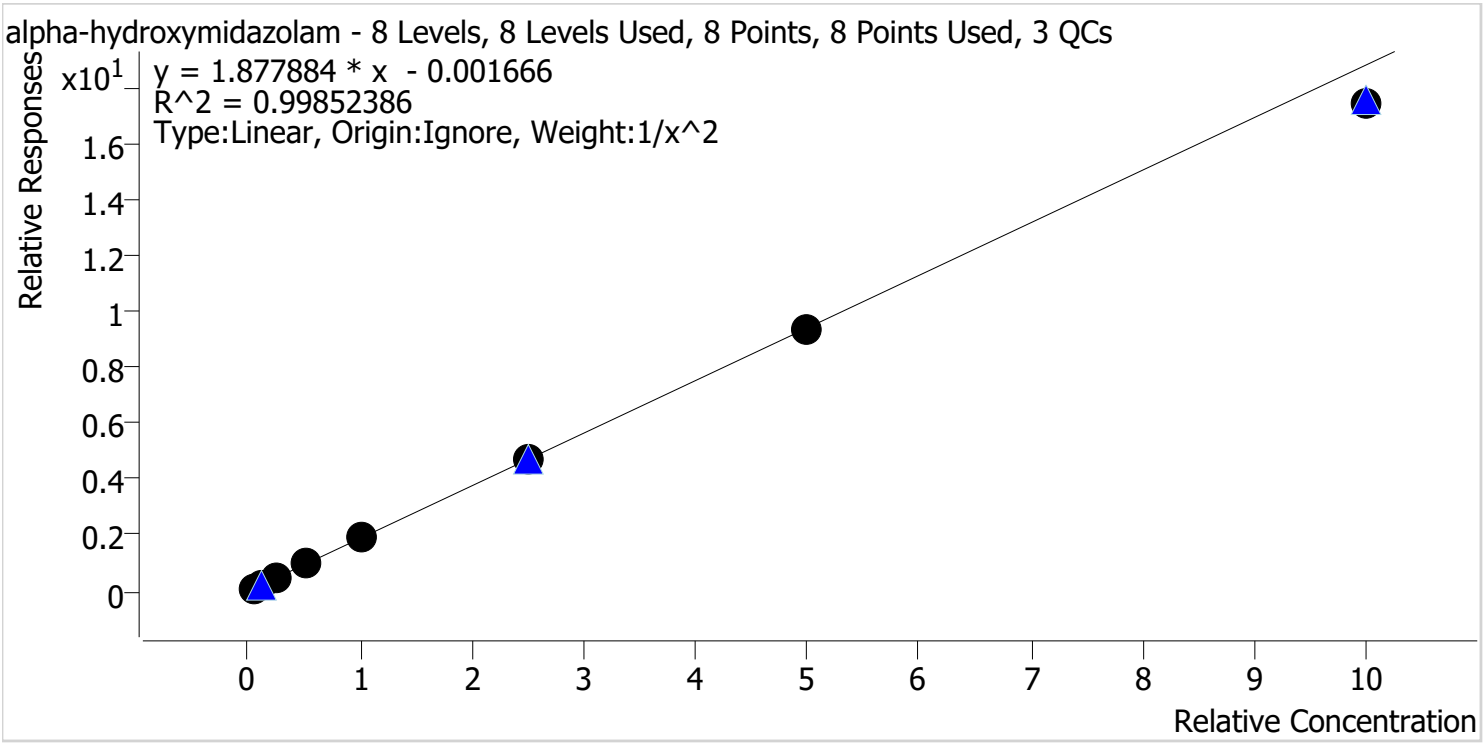


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	7721062	4932.97	52.4	2126.33	440782	932.8791 ng/ml
Chlorpheniramine	5.111	25909064	301367.41	0.3	762.77	198743	815.5164 ng/ml
Midazolam	5.846	2038154	1873.41	89.8	3330.12	291413	957.1139 ng/ml
~~Norketamine~~	~~4.108~~	~~2029336~~	~~4875.62~~	~~467.1~~	~~8406.81~~	~~1018092~~	~~570.2005 ng/ml~~*
Phencyclidine	4.928	17226095	82774.66	85.6	289446.09	730313	1008.9567 ng/ml

*Outside curve range.

AM #28 Multi-Drug Quant. Calibration Curve Report

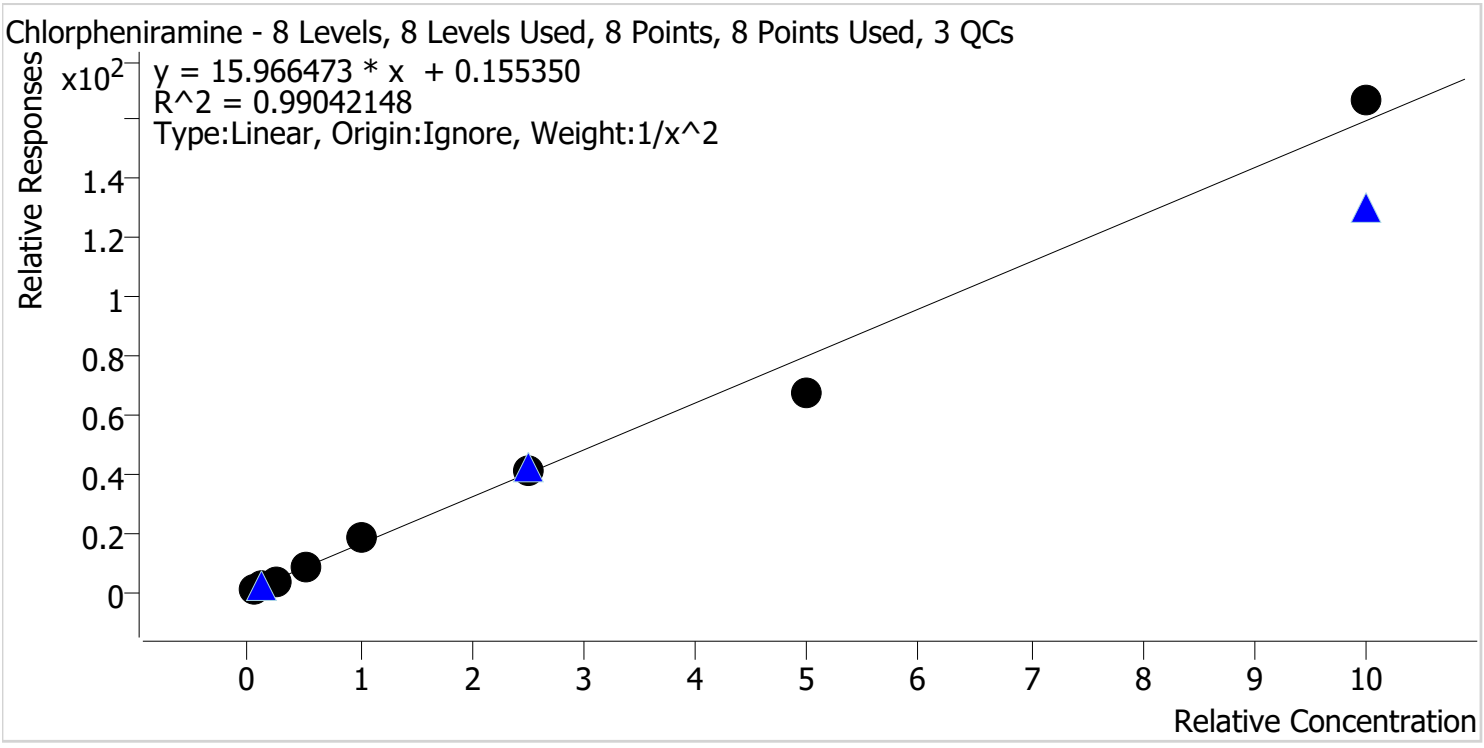
Batch results	D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Last Cal. Update	5/21/2021 10:03 AM
Analyst Name	ISP\datastor
Analyte	alpha-hydroxymidazolam
Internal Standard	alpha-hydroxymidazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✔	5.0	4.9	97.9
p2 Cal 2-10ng	2	✔	10.0	10.2	102.4
p2 Cal 3 -25ng	3	✔	25.0	25.9	103.5
p2 Cal 4-50ng	4	✔	50.0	51.0	102.0
p2 Cal 5-100ng	5	✔	100.0	100.3	100.3
p2 Cal 6-250ng	6	✔	250.0	252.9	101.1
p2 Cal 7-500ng	7	✔	500.0	499.4	99.9
p2 Cal 8-1000ng	8	✔	1000.0	929.2	92.9

AM #28 Multi-Drug Quant. Calibration Curve Report

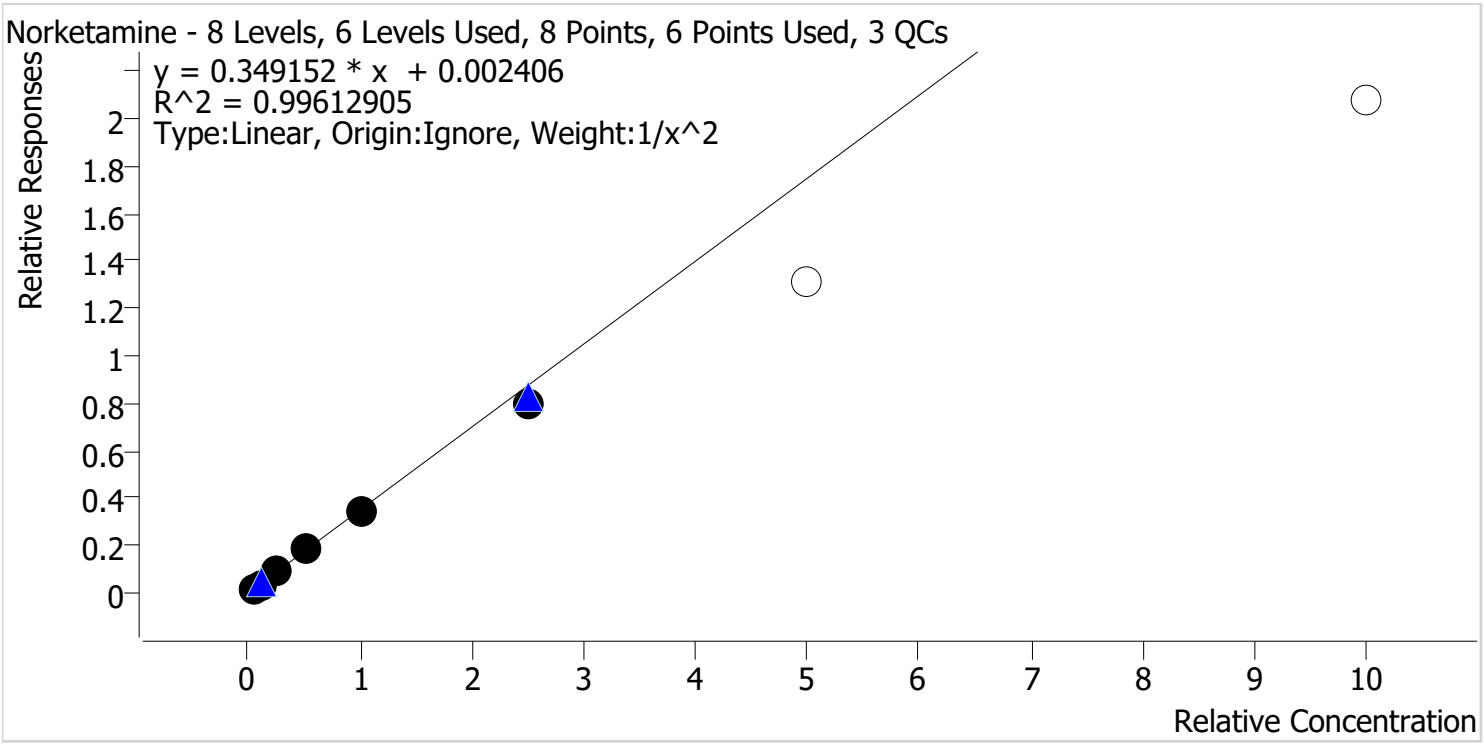
Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 5/21/2021 10:03 AM
Analyst Name ISP\datastor
Analyte Chlorpheniramine **Internal Standard** Imipramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✔	5.0	4.9	98.9
p2 Cal 2-10ng	2	✔	10.0	10.4	104.4
p2 Cal 3 -25ng	3	✔	25.0	22.8	91.2
p2 Cal 4-50ng	4	✔	50.0	51.0	102.0
p2 Cal 5-100ng	5	✔	100.0	111.3	111.3
p2 Cal 6-250ng	6	✔	250.0	259.3	103.7
p2 Cal 7-500ng	7	✔	500.0	421.2	84.2
p2 Cal 8-1000ng	8	✔	1000.0	1042.7	104.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 5/21/2021 10:03 AM
Analyst Name ISP\datastor
Analyte Norketamine **Internal Standard** acetyl-norfentanyl-d5

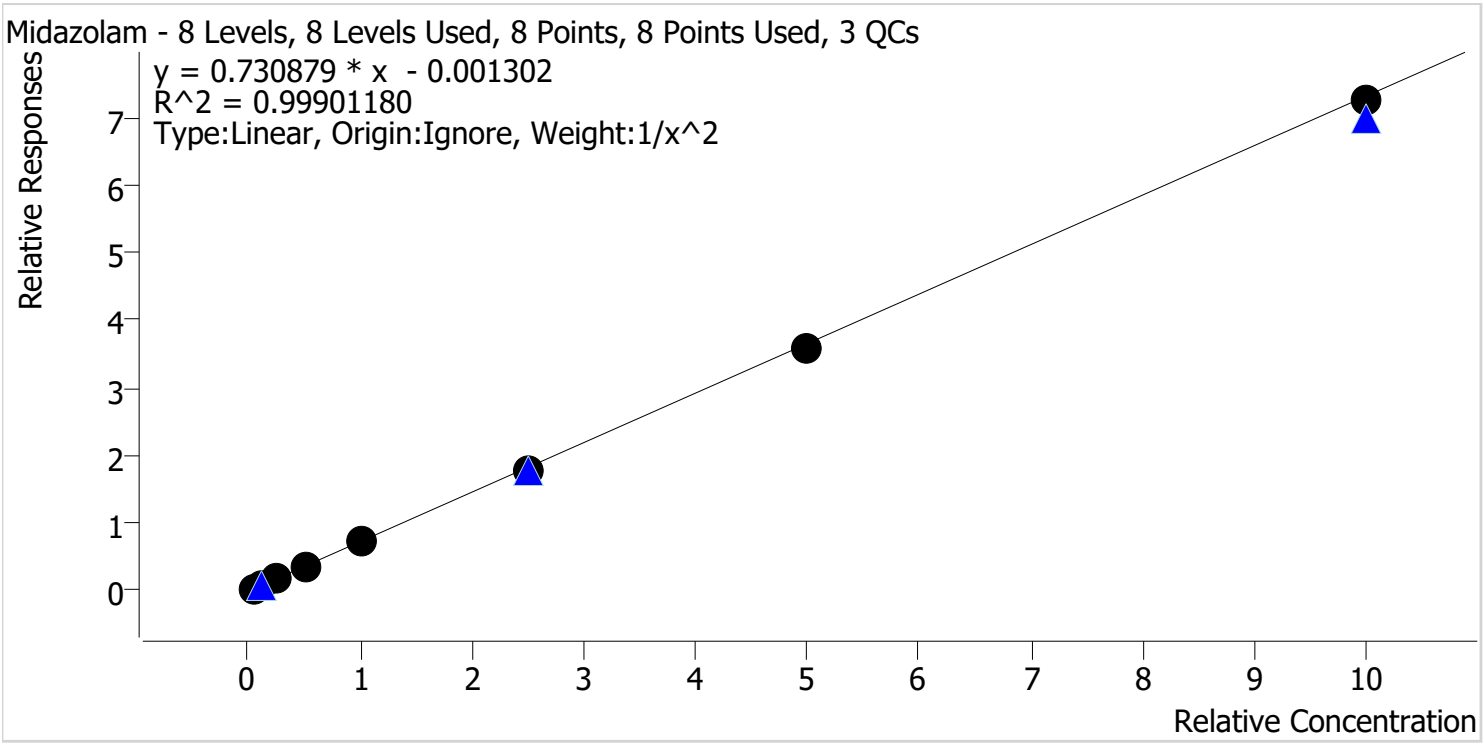


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✔	5.0	4.9	97.4
p2 Cal 2-10ng	2	✔	10.0	10.3	103.0
p2 Cal 3 -25ng	3	✔	25.0	26.1	104.3
p2 Cal 4-50ng	4	✔	50.0	52.2	104.4
p2 Cal 5-100ng	5	✔	100.0	99.6	99.6
p2 Cal 6-250ng	6	✔	250.0	228.4	91.3
p2 Cal 7-500ng	7	✗	500.0	376.4	75.3
p2 Cal 8-1000ng	8	✗	1000.0	593.6	59.4

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

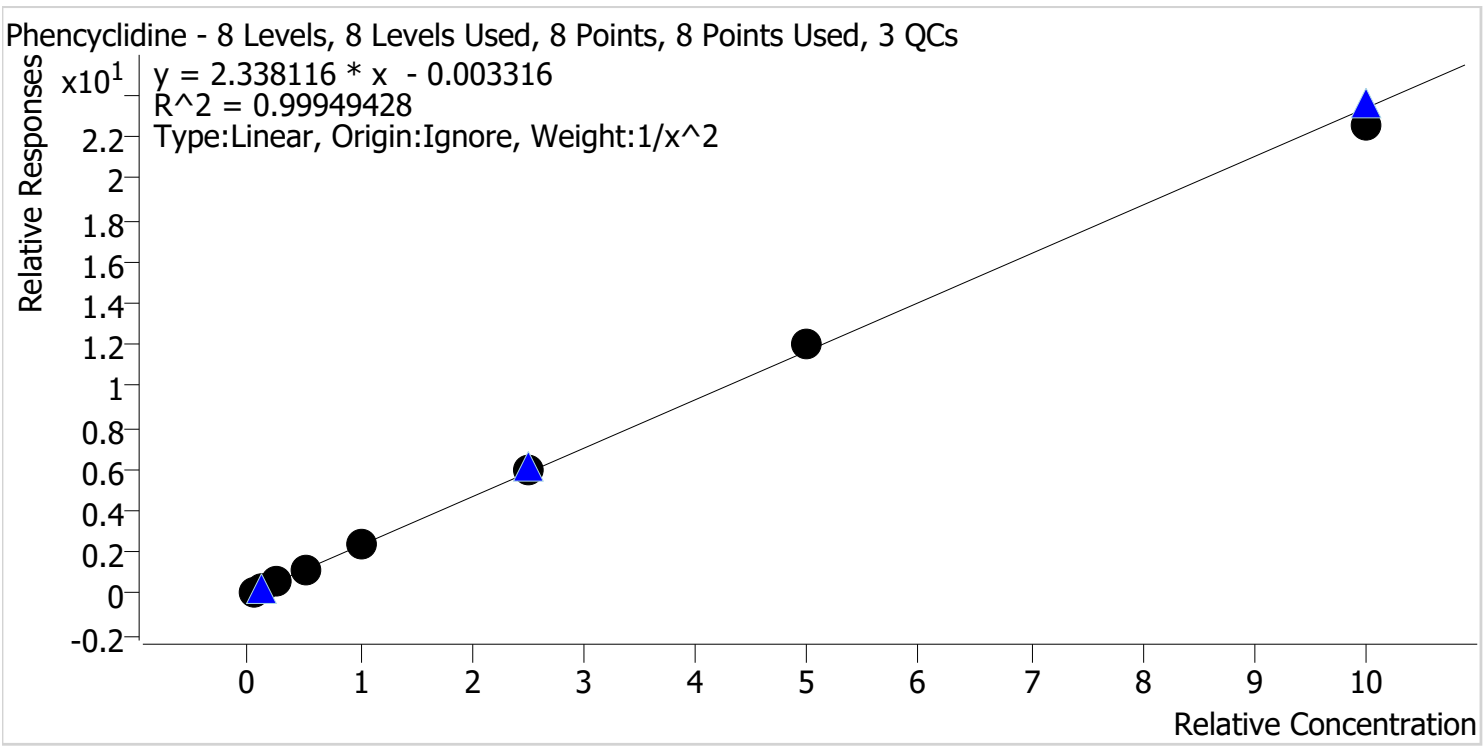
Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 5/21/2021 10:03 AM
Analyst Name ISP\datastor
Analyte Midazolam **Internal Standard** Midazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✔	5.0	4.9	98.2
p2 Cal 2-10ng	2	✔	10.0	10.2	102.2
p2 Cal 3 -25ng	3	✔	25.0	26.2	105.0
p2 Cal 4-50ng	4	✔	50.0	48.5	96.9
p2 Cal 5-100ng	5	✔	100.0	101.9	101.9
p2 Cal 6-250ng	6	✔	250.0	245.4	98.2
p2 Cal 7-500ng	7	✔	500.0	493.1	98.6
p2 Cal 8-1000ng	8	✔	1000.0	990.8	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Last Cal. Update	5/21/2021 10:03 AM
Analyst Name	ISP\datastor
Analyte	Phencyclidine
Internal Standard	Phencydlidine-D5



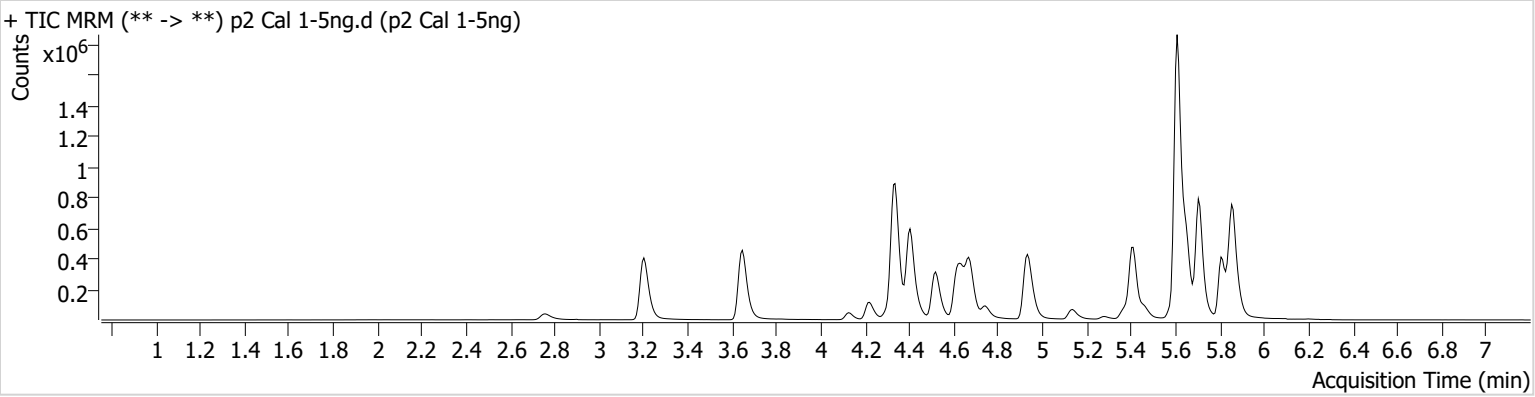
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✔	5.0	5.0	99.0
p2 Cal 2-10ng	2	✔	10.0	10.2	102.4
p2 Cal 3 -25ng	3	✔	25.0	24.8	99.1
p2 Cal 4-50ng	4	✔	50.0	49.7	99.5
p2 Cal 5-100ng	5	✔	100.0	99.7	99.7
p2 Cal 6-250ng	6	✔	250.0	252.3	100.9
p2 Cal 7-500ng	7	✔	500.0	513.3	102.7
p2 Cal 8-1000ng	8	✔	1000.0	967.4	96.7

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 1-5ng.d
Type	Cal	**Sample**	p2 Cal 1-5ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-A10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 7:42:55 AM		
Sample Info.			

Sample Chromatogram



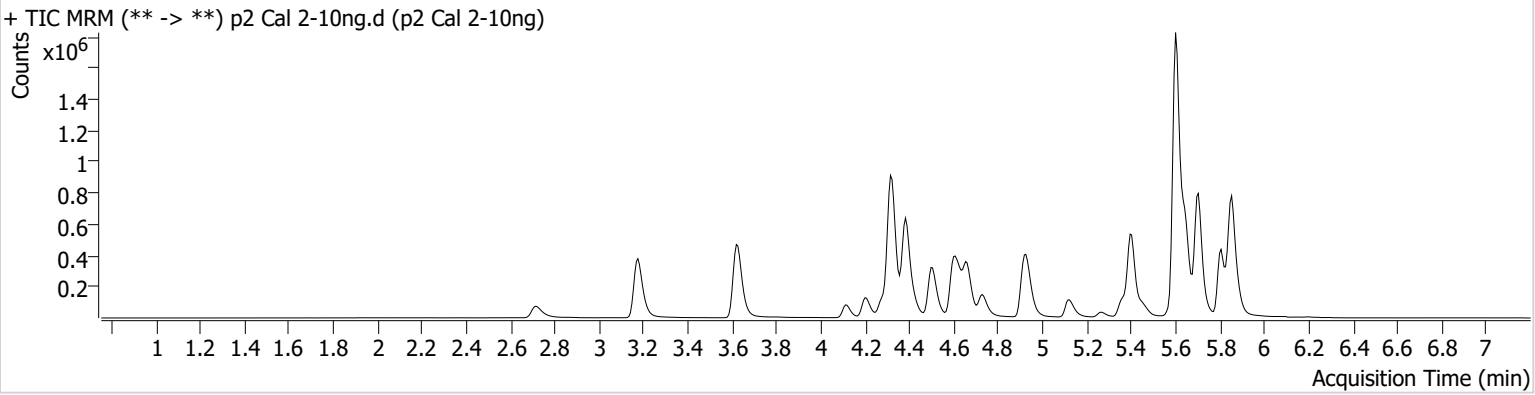
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.811	66947	414.29	55.5	33110.07	741752	4.8949 ng/ml
Chlorpheniramine	5.138	178136	438.52	0.2	21.92	188573	4.9435 ng/ml
Midazolam	5.846	16333	24863.21	86.9	12802.49	472336	4.9094 ng/ml
Norketamine	4.129	21993	188.28	441.5	13672.53	1133365	4.8687 ng/ml
Phencyclidine	4.949	118495	13034.09	86.1	511.97	1053981	4.9502 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 2-10ng.d
Type	Cal	**Sample**	p2 Cal 2-10ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-B10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 7:53:41 AM		
Sample Info.			

Sample Chromatogram



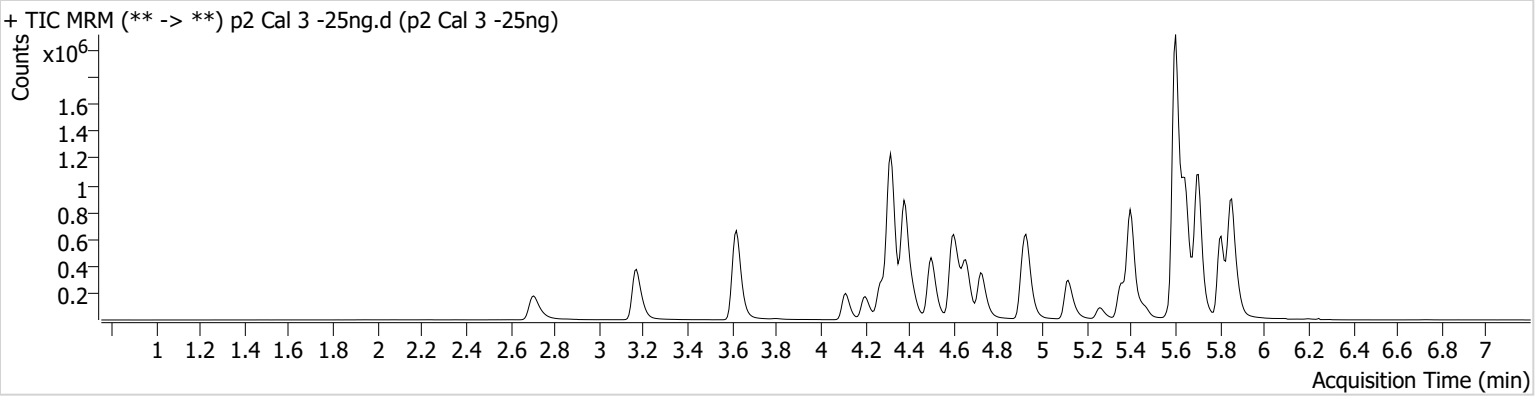
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	131859	479.47	51.3	95356.38	691642	10.2409 ng/ml
Chlorpheniramine	5.118	316897	1628.44	0.3	27.70	173958	10.4365 ng/ml
Midazolam	5.846	32352	58573.17	93.1	32876.32	440938	10.2170 ng/ml
Norketamine	4.115	40036	196.66	442.2	3332.69	1043002	10.3047 ng/ml
Phencyclidine	4.935	211683	1262.36	82.6	81.67	896284	10.2431 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 3 -25ng.d
Type	Cal	**Sample**	p2 Cal 3 -25ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-C10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:04:16 AM		
Sample Info.			

Sample Chromatogram



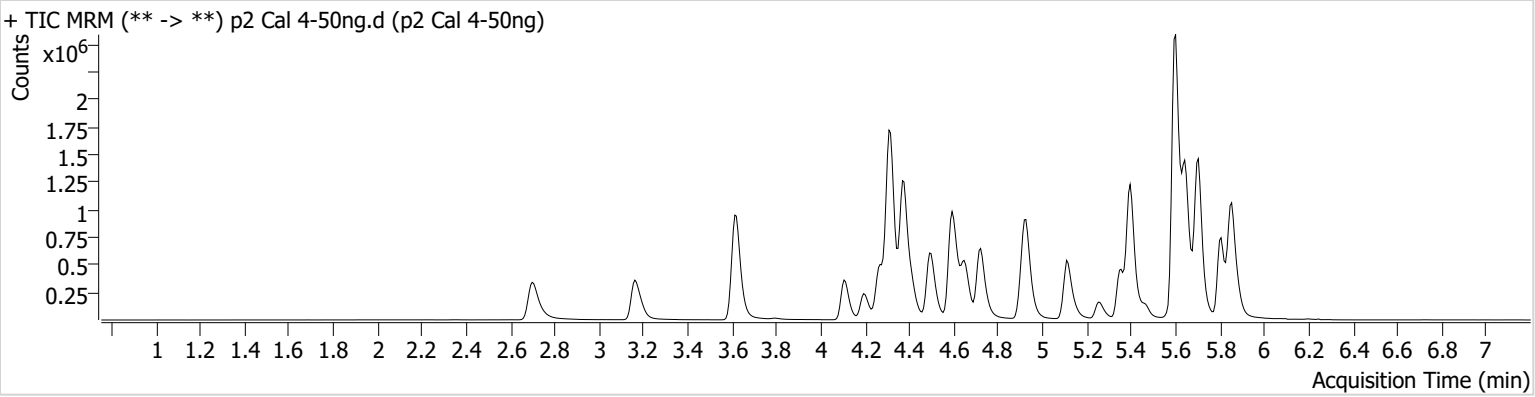
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	330229	1551.39	51.5	626.46	681989	25.8738 ng/ml
Chlorpheniramine	5.118	813571	6118.10	0.3	90.67	214260	22.8088 ng/ml
Midazolam	5.846	85498	122342.53	88.6	4943.60	448711	26.2483 ng/ml
Norketamine	4.115	95761	280.15	438.6	2300.31	1024811	26.0737 ng/ml
Phencyclidine	4.935	563770	2877.43	83.6	561.00	978745	24.7776 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 4-50ng.d
Type	Cal	**Sample**	p2 Cal 4-50ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-D10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:14:52 AM		
Sample Info.			

Sample Chromatogram



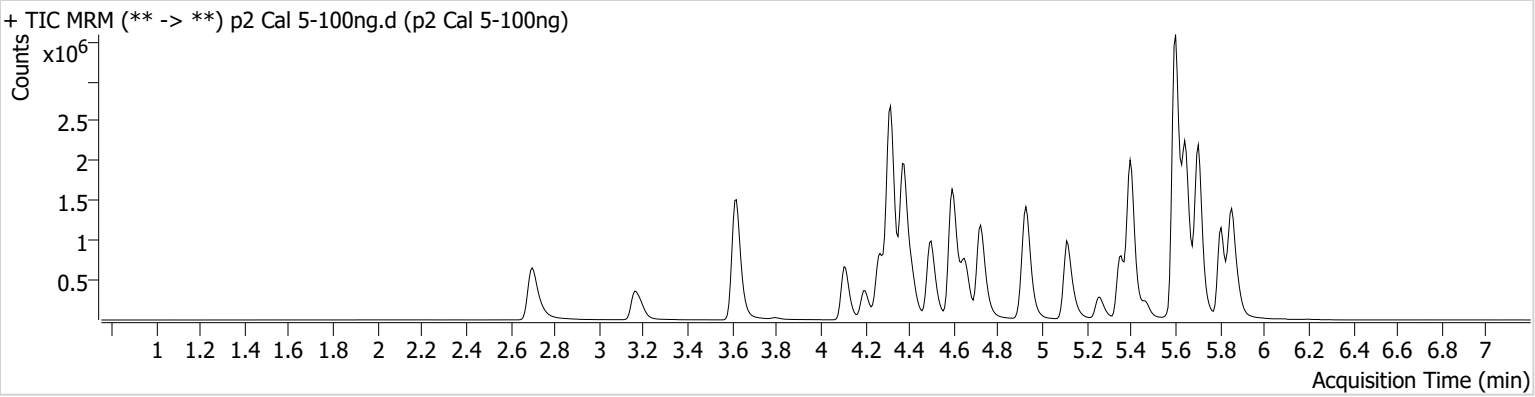
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	574128	1742.39	52.6	8570.69	600518	51.0000 ng/ml
Chlorpheniramine	5.111	1468992	9712.55	0.3	45.85	177091	50.9805 ng/ml
Midazolam	5.846	143706	354.64	94.1	905.74	407312	48.4508 ng/ml
Norketamine	4.108	179709	829.00	433.7	22646.43	973335	52.1911 ng/ml
Phencyclidine	4.928	1043107	8204.11	84.6	1425.99	899640	49.7318 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 5-100ng.d
Type	Cal	**Sample**	p2 Cal 5-100ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-E10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:25:27 AM		
Sample Info.			

Sample Chromatogram



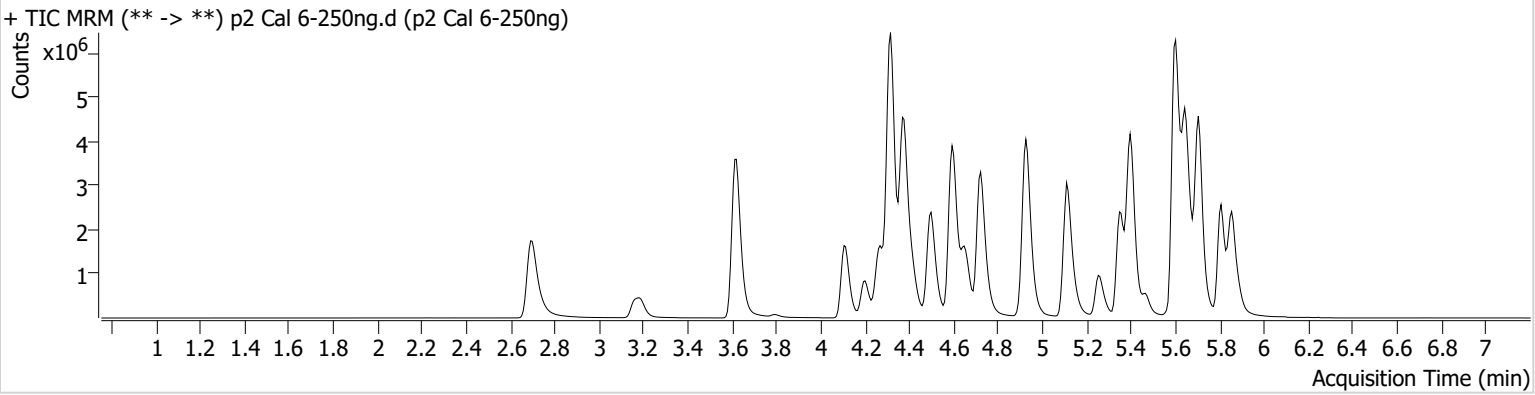
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	1132008	3316.85	52.6	9621.11	601832	100.2512 ng/ml
Chlorpheniramine	5.111	2699696	3106.26	0.3	620.24	150550	111.3388 ng/ml
Midazolam	5.846	284435	3140.60	88.2	198.53	382668	101.8770 ng/ml
Norketamine	4.108	334311	2139.58	437.7	3233.74	955196	99.5516 ng/ml
Phencyclidine	4.928	1842536	6084.74	83.4	13747.68	791804	99.6668 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 6-250ng.d
Type	Cal	**Sample**	p2 Cal 6-250ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-F10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:36:03 AM		
Sample Info.			

Sample Chromatogram



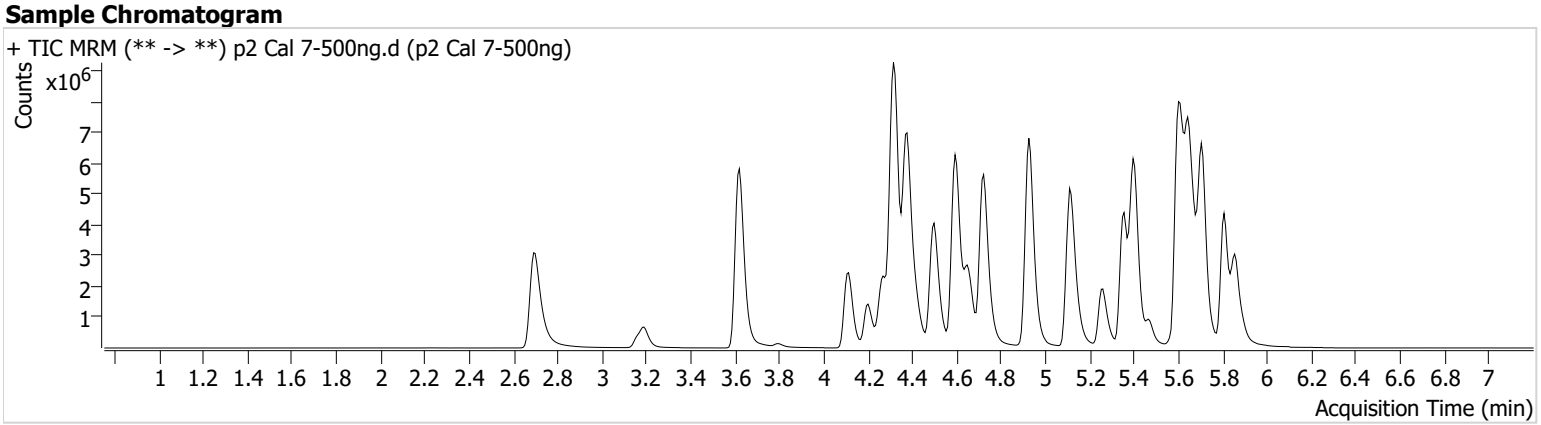
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	2869381	6196.96	52.5	34068.19	604485	252.8638 ng/ml
Chlorpheniramine	5.111	8490725	29304.30	0.3	277.74	204322	259.2947 ng/ml
Midazolam	5.846	717462	2028.37	92.6	192.19	400312	245.3972 ng/ml
Norketamine	4.108	829284	1040.36	450.7	12576.96	1036894	228.3736 ng/ml
Phencyclidine	4.928	5768460	10428.65	84.5	1690.95	978375	252.3088 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 7-500ng.d
Type	Cal	**Sample**	p2 Cal 7-500ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-G10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:46:39 AM		
Sample Info.			

Sample Chromatogram



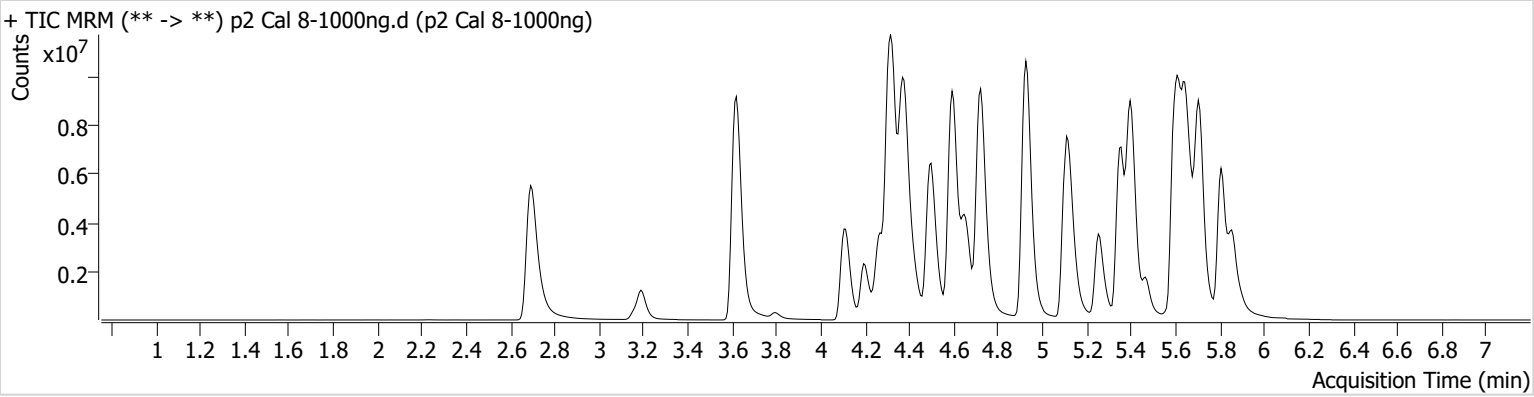
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	4792183	1024.28	52.3	2880.34	511075	499.4096 ng/ml
Chlorpheniramine	5.111	15433818	20395.56	0.3	821.27	228964	421.2065 ng/ml
Midazolam	5.846	1253730	791.56	91.6	197.82	347971	493.1421 ng/ml
Norketamine	4.115	1289434	3280.51	453.7	35507.46	979431	376.3711 ng/ml
Phencyclidine	4.928	10216828	138638.18	83.4	123297.62	851499	513.3172 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 5/21/2021 10:03:14 AM

Instrument	Falco (069901)	**Data File**	p2 Cal 8-1000ng.d
Type	Cal	**Sample**	p2 Cal 8-1000ng
Acq. Method	AM 28 MDQ P2.m	**Operator**	Celena Shrum
Sample Position	P2-H10	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:57:14 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
alpha-hydroxymidazolam	5.805	8353317	274169.78	51.4	3621.08	478766	929.1990 ng/ml
Chlorpheniramine	5.111	25467765	165576.77	0.3	410.21	152831	1042.7162 ng/ml
Midazolam	5.846	2203845	16310.76	90.5	2829.77	304378	990.8338 ng/ml
Norketamine	4.108	2119516	13239.39	460.1	148182.53	1021420	593.6275 ng/ml
Phencyclidine	4.928	17404663	44737.18	86.4	200868.72	769605	967.3758 ng/ml