



REVIEWED

By Sarah Pickle at 11:48 am, Apr 12, 2019

4/12/2019

TS

Worklist: 3239

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2019-1171	2	148281	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
M2019-1176	1	148280	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	

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

Extraction Date: 04/09/19
Plate lot#: IDP-112-19024 190124 TS

Analyst: Tamara Salazar
Plate Expiration: 07/24/19

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

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

Blank Blood Lot: 445283-1

Column: ~~Agilent 120 EC-C18 (2.1x 100-4um)~~

LCMS-QQQ ID: 069910

Agilent 120 EC-C18 (2.1 x 100-2.7um) 09/16/19 TS

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) Pipette ID: 16** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M 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** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: G:\TOX\Pocatello\Falco\2019\AM 28\040919 MDQ P1 and P2 TS
Batch Name: P2 wklist ~~3203~~ ³²³⁹ - TS
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/- 2%), S/N for primary transition > 10 and secondary transitions > 5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Compounds evaluated: 7-aminoflunitrazepam, Etizolam, Flurazepam, Midazolam, Nortriptyline, Paroxetine
Curves limited: Paroxetine 10-500, Flurazepam 5-250 - TS



Idaho State Police Forensic Services

15

AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 2

Methanol External Control Solution (Lot: 020419)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	184782	
Midazolam	Cerilliant	FE01161704	04/30/2022
Etizolam	Cerilliant	FN06061606	11/30/2020
7-Aminoflunitrazepam	Cerilliant	FN01271505	02/28/2020
Flurazepam	Cerilliant	FE02101501	04/30/2020
Prepared:	02/04/19		
Prepared By:	Tamara Salazar		
Expires:	02/04/2020		

Blood External Control Solution (Lot: WS020419)
50 ul of methanol external control solution was added to 9950 ul of blood.
Approximately 50ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-1
Methanol External Control Solution	-	020419
Prepared:	02/04/19	
Prepared by:	Tamara Salazar	
Expires:	02/04/2020	

TS

AM #28 Multi-Drug Quant. Results

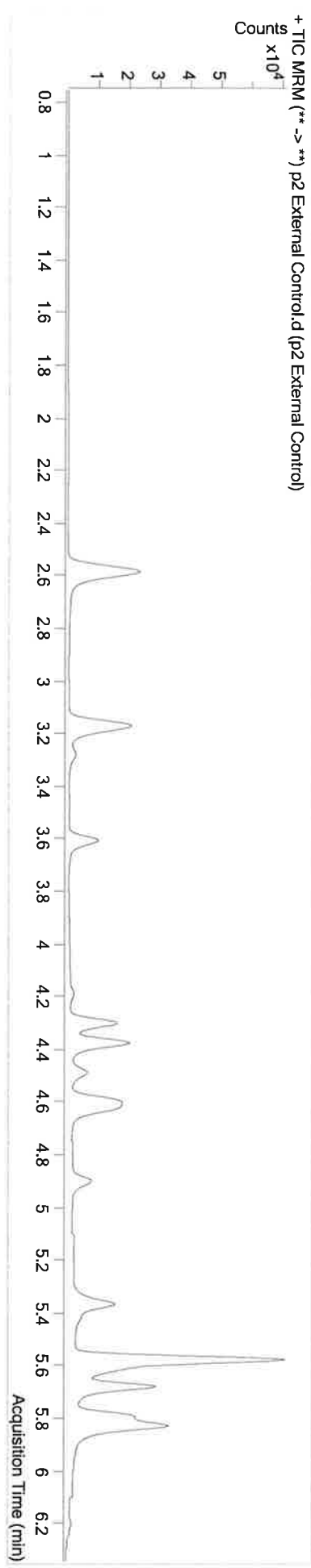


Batch results
Calibration Last Update: 4/10/2019 9:59:09 AM
D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wkfst 3239 TS.batch.bin

Instrument
Type: FALCO-LCMS (Property ID 069901)
Acq. Method: MDQ P2 Combined 040919.m
Sample Position: P1-F6
Injection Volume: 1
Acq. Date-Time: 4/9/2019 4:01:27 PM
Sample Info.

Data File
Sample: p2 External Control.d
Operator: p2 External Control
Comment: Tamara Salazar

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoFlunitrazepam	4.628	20650	12991.16	24.3	2123.51	28160	38.7054 ng/ml
Etizolam	5.802	15210	13092.99	25.1	30673.30	53926	40.2712 ng/ml
Flurazepam	5.338	5955	4513.92	12.5	80.05	16000	58.0038 ng/ml
Midazolam	5.823	4029	5343.20	89.5	1079.13	14555	40.4342 ng/ml

TS

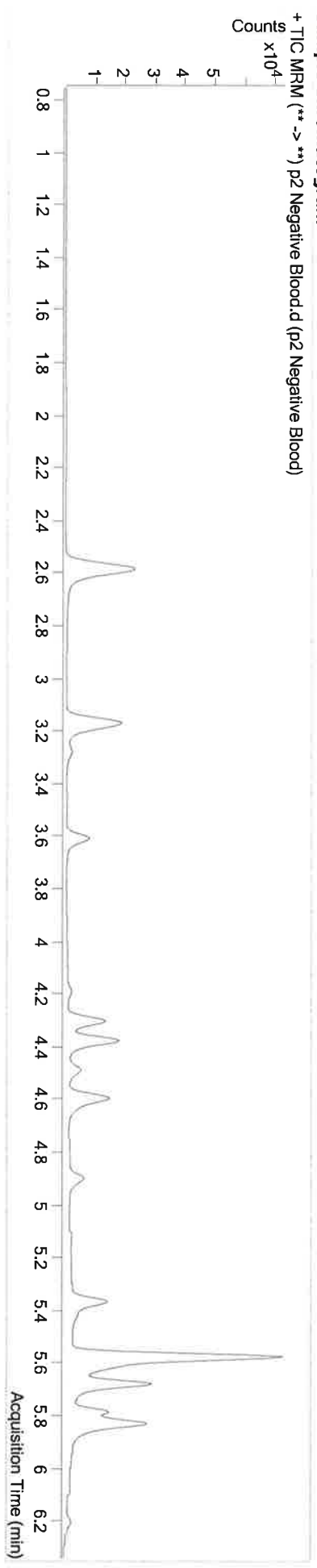
AM #28 Multi-Drug Quant. Results



Batch results
Calibration Last Update: 4/10/2019 9:59:09 AM
D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin

Instrument	FALCO-LCMS (Property ID 069901)	Data File	p2 Negative Blood.d
Type	Sample	Sample Operator	p2 Negative Blood Tamara Salazar
Acq. Method	MDQ P2 Combined 040919.m	Comment	
Sample Position	P1-E6		
Injection Volume	1		
Acq. Date-Time	4/9/2019 3:40:33 PM		
Sample Info.			

Sample Chromatogram



TS

AM #28 Multi-Drug Quant. Results

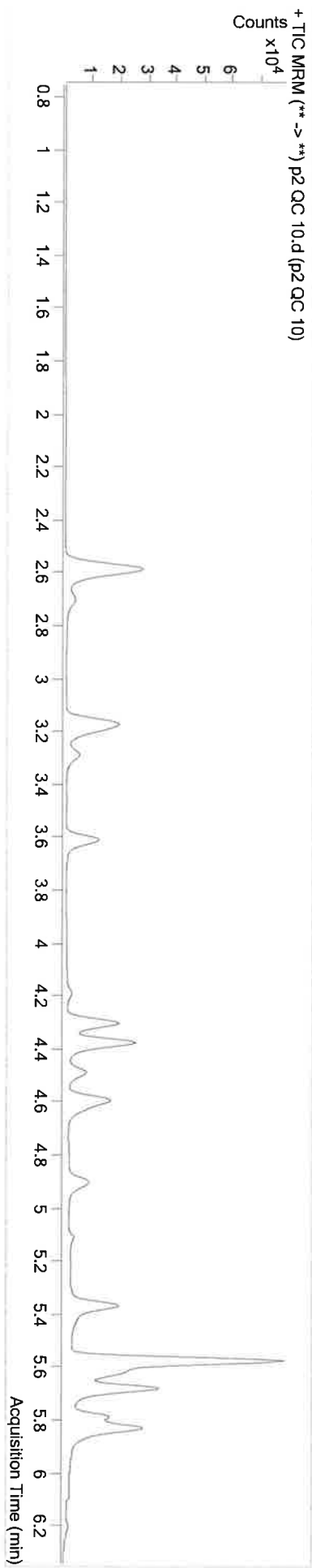


Batch results
D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin
Calibration Last Update
4/10/2019 9:59:09 AM

Instrument
FALCO-LCMS (Property ID 069901)
Type
QC
Acq. Method
MDQ P2 Combined 040919.m
Sample Position
P1-A6
Injection Volume
1
Acq. Date-Time
4/9/2019 2:06:24 PM
Sample Info.

Data File
p2 QC 10.d
Sample Operator
p2 QC 10
Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	5256	1038.84	24.5	412.74	25917	10.3138 ng/ml
Ethizolam	5.802	3095	658.13	24.9	1037.51	49511	8.8600 ng/ml
Flurazepam	5.338	1247	1343.03	12.4	166.95	14970	13.6409 ng/ml
Midazolam	5.823	914	851.99	81.8	657.73	12022	11.0643 ng/ml
Nortriptyline	5.705	214	73.91	41.2	40.10	550	15.2247 ng/ml
Paroxetine	5.571	80	24.98	61.9	20.65	1282	10.7749 ng/ml

15

AM #28 Multi-Drug Quant. Results

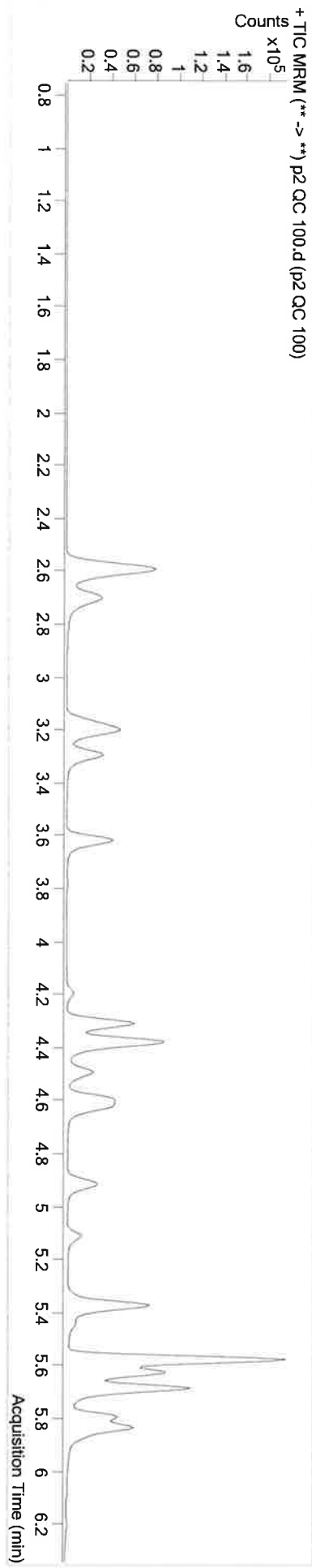


Batch results
Calibration Last Update: 4/10/2019 9:59:09 AM
D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin

Instrument
Type: FALCO-LCMS (Property ID 069901)
Accq. Method: MDQ P2 Combined 040919.m
Sample Position: P1-B6
Injection Volume: 1
Acq. Date-Time: 4/9/2019 2:27:20 PM
Sample Info.

Data File
Sample: p2 QC 100.d
Operator: Tamara Salazar
Comment:

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-amino-flurazepam	4.628	60202	7359.83	24.6	9722.83	30513	105.0445 ng/ml
Ethizolam	5.802	31416	7696.64	25.3	22498.85	50361	89.1706 ng/ml
Flurazepam	5.338	12694	17738.86	12.7	1215.59	14991	130.8612 ng/ml
Midazolam	5.823	8526	1461.63	90.0	1335.83	12488	99.7821 ng/ml
Nortriptyline	5.698	1584	∞	36.7	107.59	615	104.5388 ng/ml
Paroxetine	5.571	611	124.49	54.5	378.51	1339	88.3413 ng/ml

TS

AM #28 Multi-Drug Quant. Results

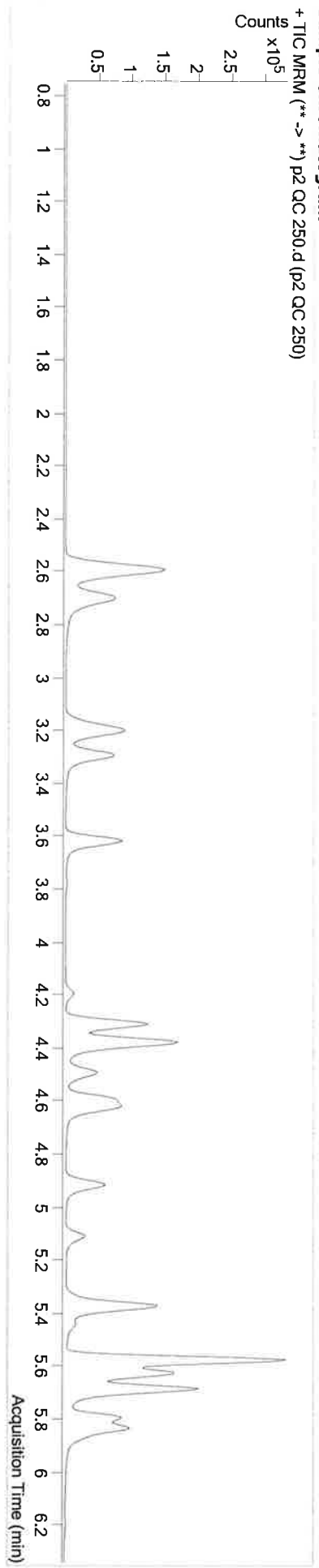


Batch results
Calibration Last Update: 4/10/2019 9:59:09 AM
D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin

Instrument: FALCO-LCMS (Property ID 069901)
Type: QC
Acq. Method: MDQ P2 Combined 040919.m
Sample Position: P1-C6
Injection Volume: 1
Acq. Date-Time: 4/9/2019 2:48:15 PM
Sample Info.

Data File: p2 QC 250.d
Sample: p2 QC 250
Operator: Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	137665	37909.80	24.6	1062.03	28655	256.5530 ng/ml
Ethzolam	5.802	68931	35775.58	25.8	10199.84	44190	223.1019 ng/ml
Flurazepam	5.338	31322	∞	13.3	4278.09	12936	372.5847 ng/ml
Midazolam	5.823	21789	6162.00	93.0	1757.77	13444	236.9594 ng/ml
Nortriptyline	5.698	3790	1707.68	37.4	493.74	583	264.9981 ng/ml
Paroxetine	5.571	1475	194.13	53.8	407.46	1329	216.8308 ng/ml

B

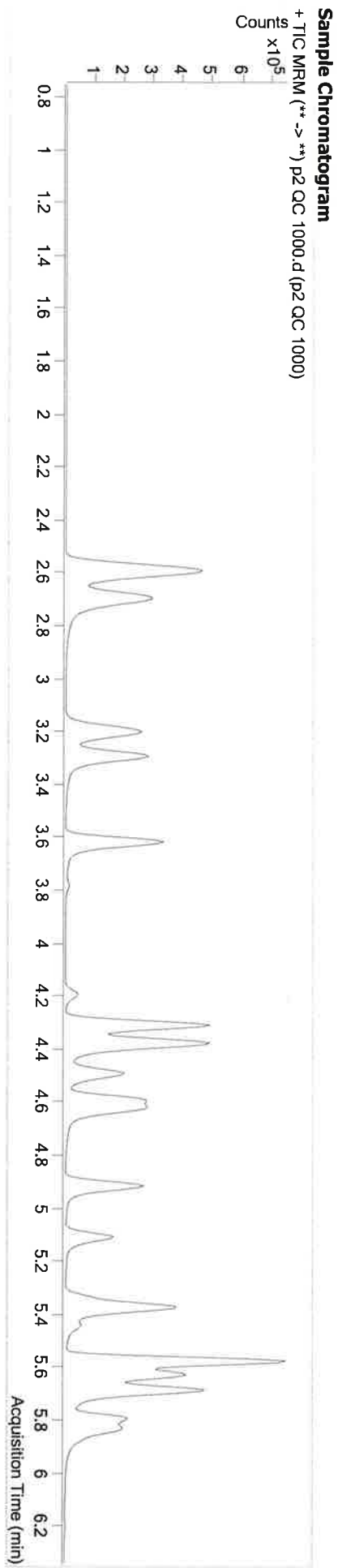
AM #28 Multi-Drug Quant. Results



Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin 4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901)
Acq. Method QC
Sample Position MDQ P2 Combined 040919.m
Injection Volume P1-D6
Acq. Date-Time 4/9/2019 3:09:10 PM
Sample Info. 1

Data File p2 QC 1000.d
Sample p2 QC 1000
Operator Tamara Salazar
Comment



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-amino-flunitrazepam	4.628	514479	36015.94	25.0	9733.35	30680	896.8490 ng/ml
Ethizolam	5.802	191536	13977.57	25.8	5935.34	31961	857.3561 ng/ml
Flurazepam	5.338	174469	20942.10	13.0	∞	8443	3173.2928 ng/ml
Midazolam	5.823	95924	6290.65	90.5	2894.82	14028	999.8619 ng/ml
Nortriptyline	5.705	17327	∞	36.1	625.32	677	1045.5536 ng/ml
Paroxetine	5.571	6782	706.89	53.0	2549.29	1819	731.9838 ng/ml

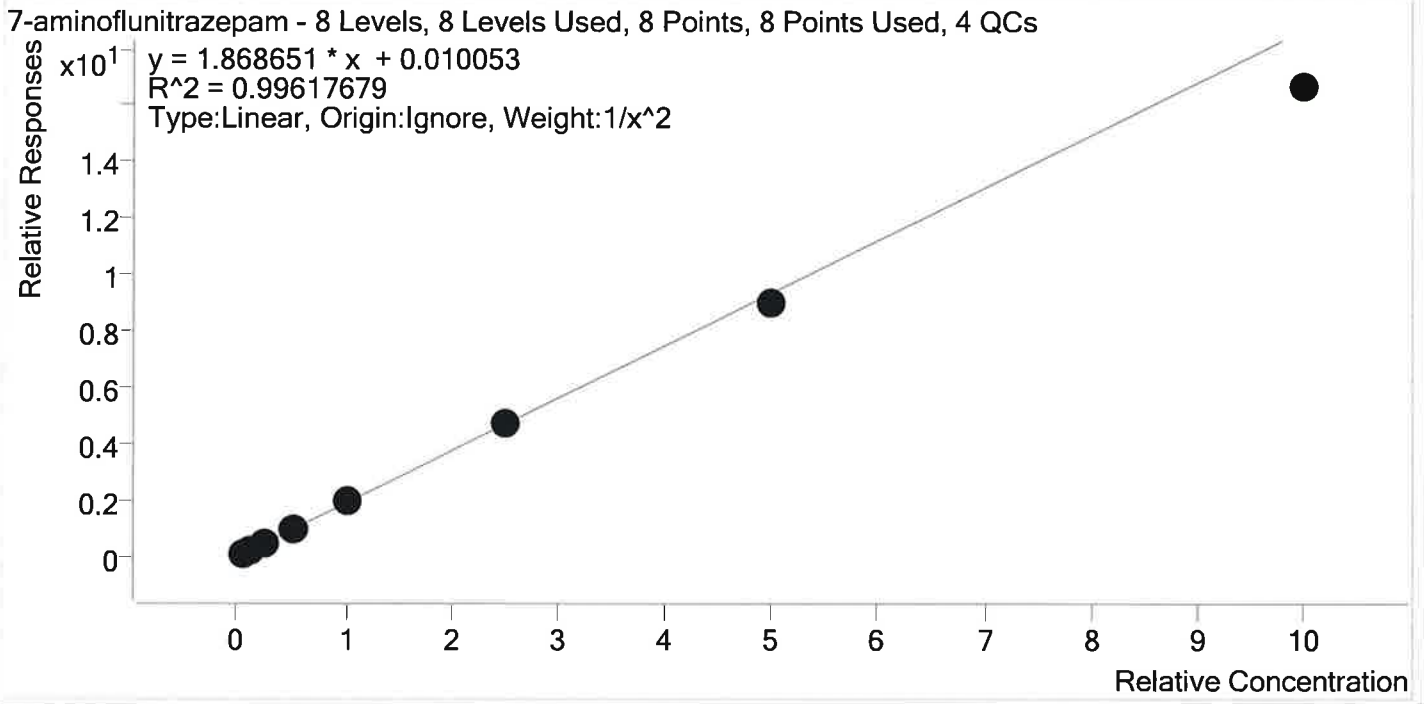
Outside curve range. \checkmark
Outside curve range. \checkmark

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte 7-aminoflunitrazepam **Internal Standard** 7-aminoflunitrazepam-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.9	98.4
p2 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p2 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p2 Cal 4-50ng	4	✓	50.0	52.7	105.4
p2 Cal 5-100ng	5	✓	100.0	106.0	106.0
p2 Cal 6-250ng	6	✓	250.0	253.6	101.4
p2 Cal 7-500ng	7	✓	500.0	484.3	96.9
p2 Cal 8-1000ng	8	✓	1000.0	891.0	89.1

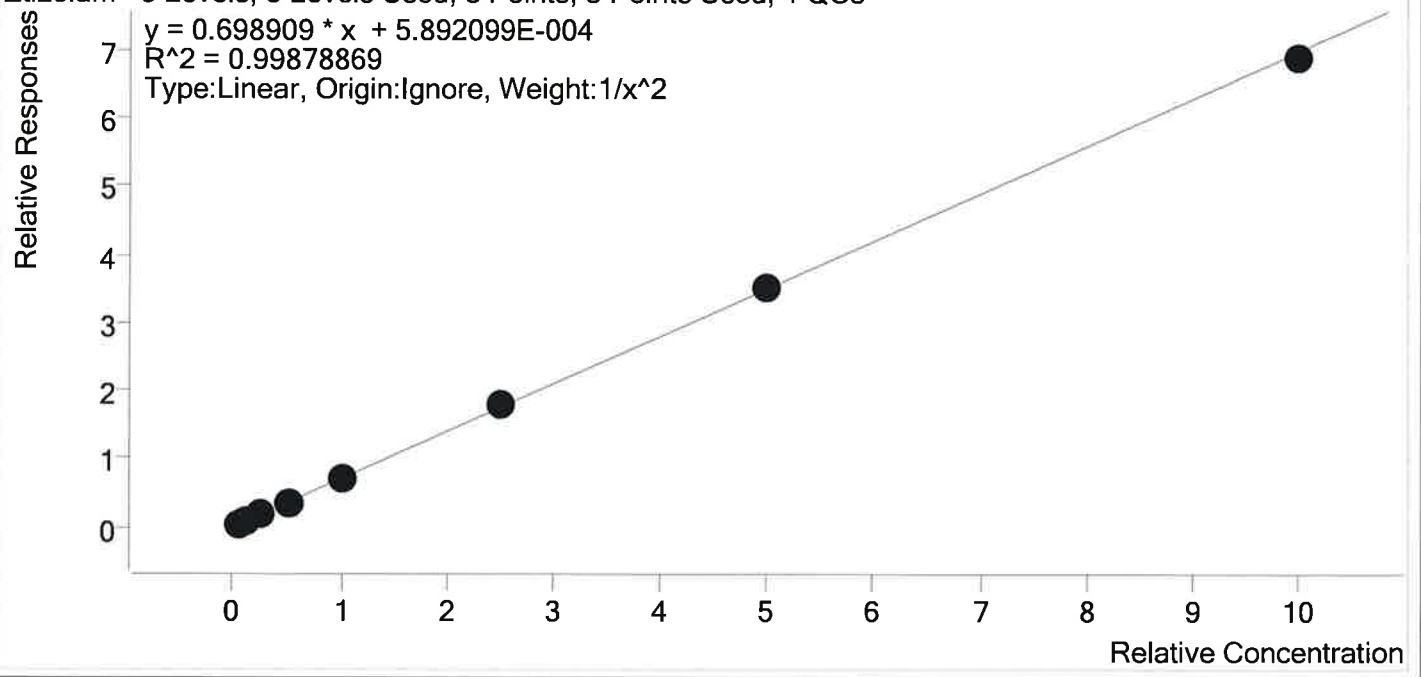
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte Etizolam **Internal Standard** Estazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.0	100.0
p2 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p2 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p2 Cal 4-50ng	4	✓	50.0	49.3	98.6
p2 Cal 5-100ng	5	✓	100.0	102.9	102.9
p2 Cal 6-250ng	6	✓	250.0	259.0	103.6
p2 Cal 7-500ng	7	✓	500.0	499.6	99.9
p2 Cal 8-1000ng	8	✓	1000.0	985.9	98.6

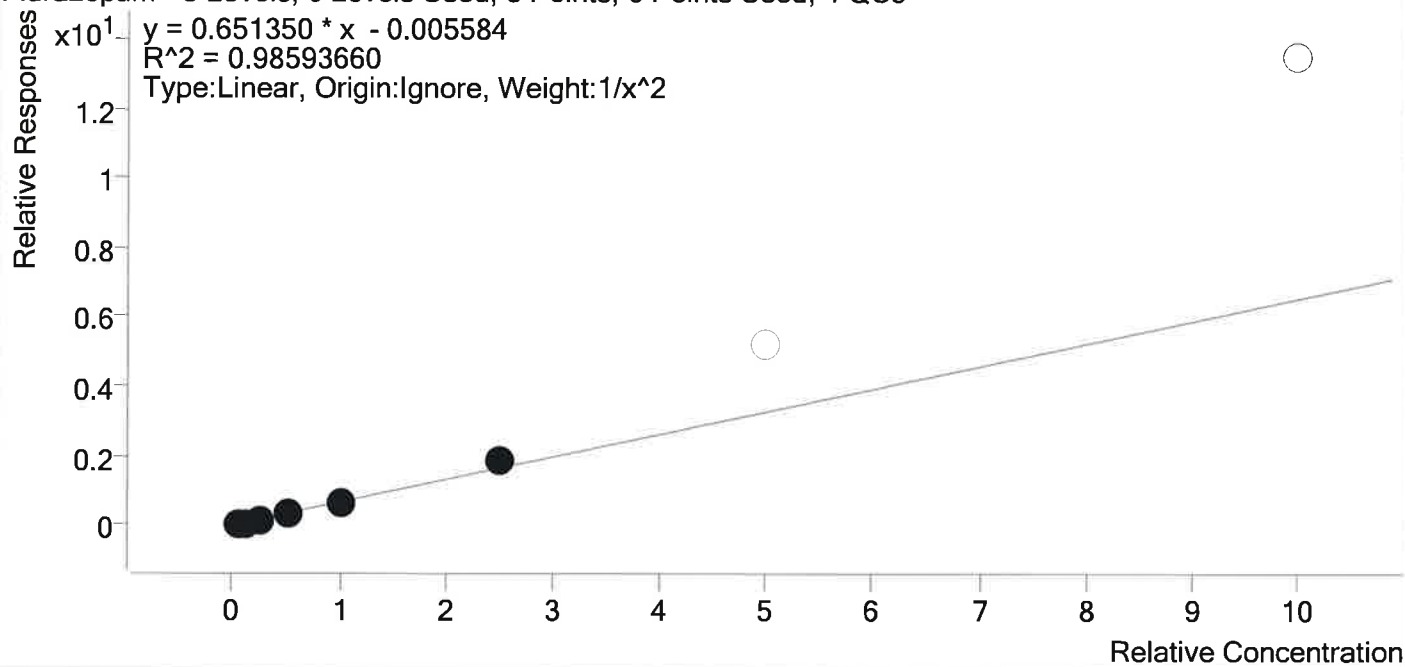
13



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte Flurazepam **Internal Standard** Flunitrazepam-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.0	100.1
p2 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p2 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p2 Cal 4-50ng	4	✓	50.0	43.4	86.8
p2 Cal 5-100ng	5	✓	100.0	93.3	93.3
p2 Cal 6-250ng	6	✓	250.0	289.0	115.6
p2 Cal 7-500ng	7	×	500.0	801.0	160.2
p2 Cal 8-1000ng	8	×	1000.0	2069.7	207.0

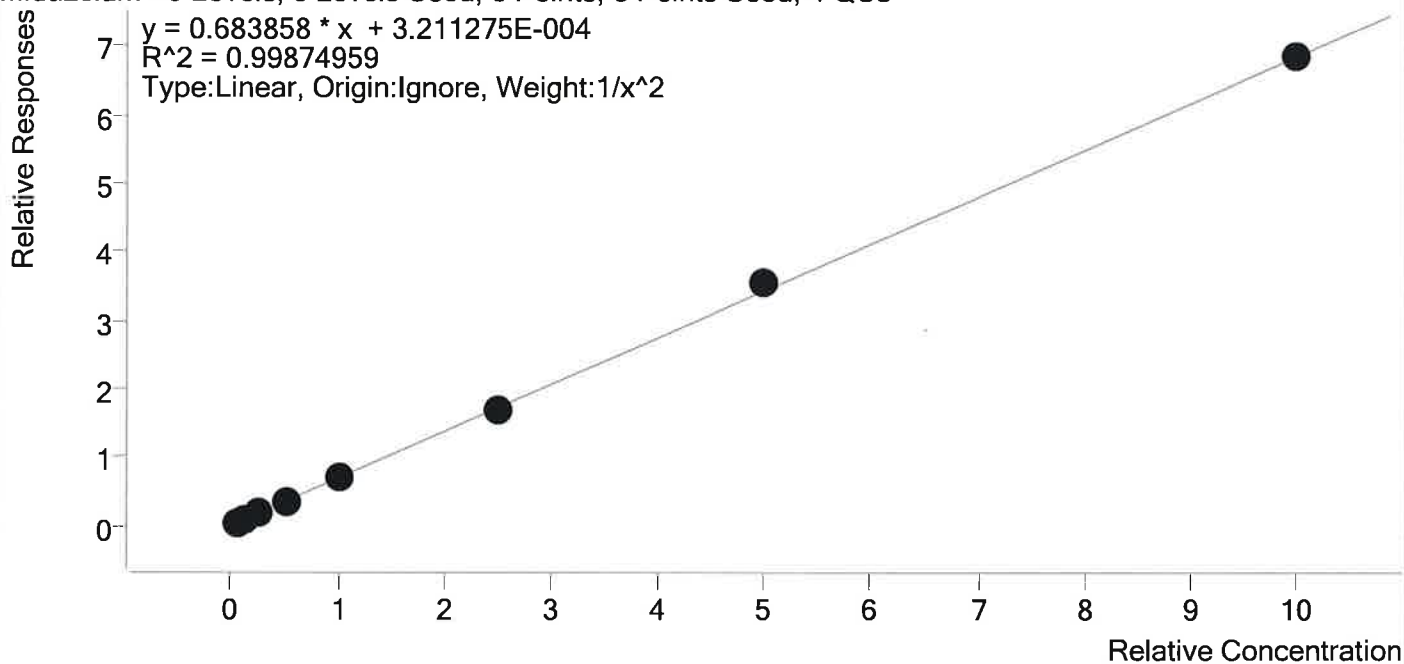
15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte Midazolam **Internal Standard** Midazolam-D4

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



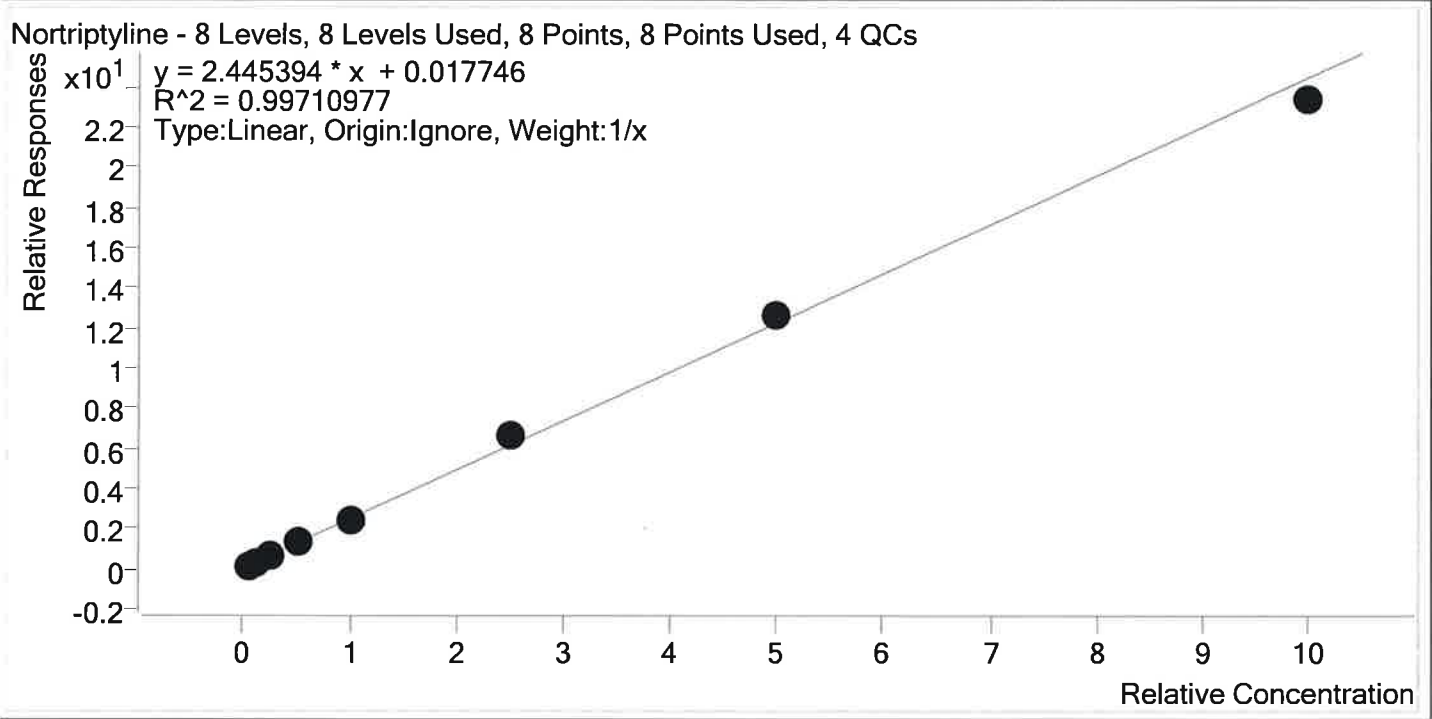
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.1	102.7
p2 Cal 2- 10ng	2	✓	10.0	9.5	95.1
p2 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p2 Cal 4-50ng	4	✓	50.0	51.3	102.7
p2 Cal 5-100ng	5	✓	100.0	100.2	100.2
p2 Cal 6-250ng	6	✓	250.0	244.9	97.9
p2 Cal 7-500ng	7	✓	500.0	519.8	104.0
p2 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1

15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte Nortriptyline **Internal Standard** Nortriptyline-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.7	94.2
p2 Cal 2- 10ng	2	✓	10.0	9.4	94.4
p2 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p2 Cal 4-50ng	4	✓	50.0	53.3	106.5
p2 Cal 5-100ng	5	✓	100.0	100.5	100.5
p2 Cal 6-250ng	6	✓	250.0	272.8	109.1
p2 Cal 7-500ng	7	✓	500.0	519.8	104.0
p2 Cal 8-1000ng	8	✓	1000.0	955.6	95.6

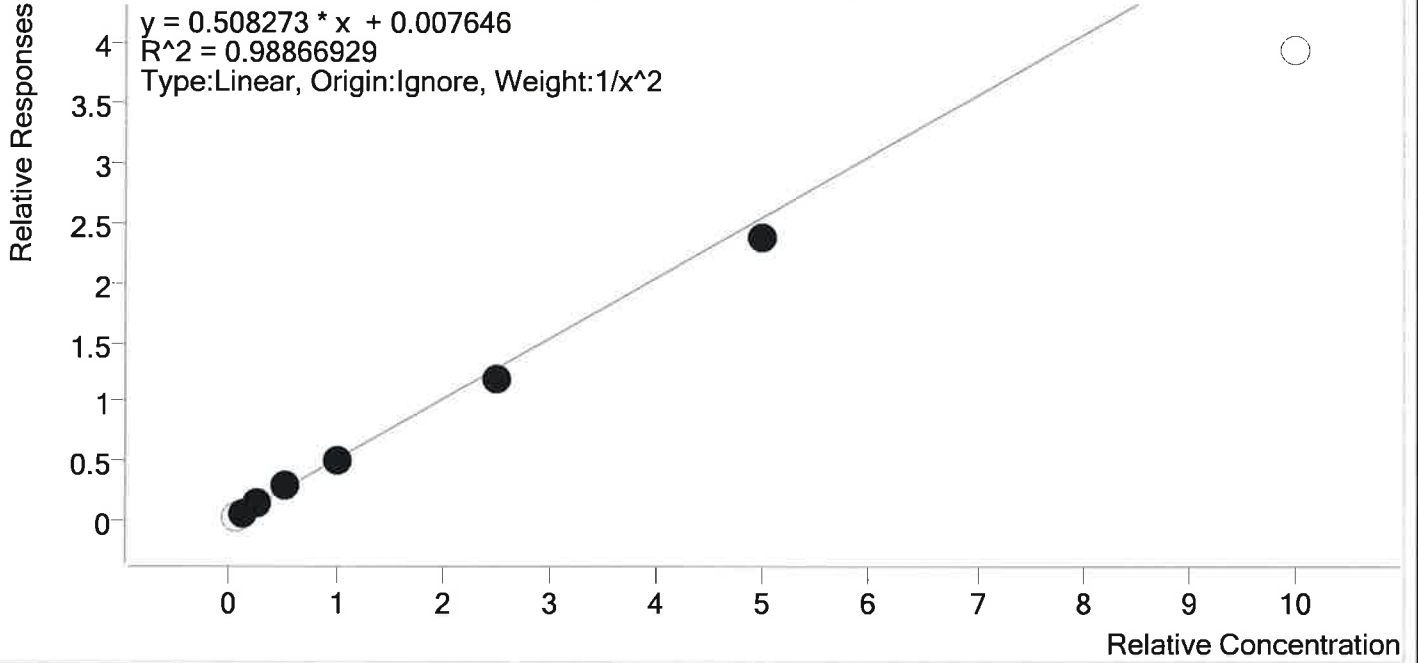
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239
 TS.batch.bin
Last Cal. Update 4/10/2019 9:59 AM
Analyst Name ISP\Datastor
Analyte Paroxetine **Internal Standard** Doxepin-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	×	5.0	6.2	124.0
p2 Cal 2- 10ng	2	✓	10.0	9.6	96.0
p2 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p2 Cal 4-50ng	4	✓	50.0	58.3	116.5
p2 Cal 5-100ng	5	✓	100.0	96.6	96.6
p2 Cal 6-250ng	6	✓	250.0	234.2	93.7
p2 Cal 7-500ng	7	✓	500.0	468.1	93.6
p2 Cal 8-1000ng	8	×	1000.0	775.3	77.5

TS



AM #28 Multi-Drug Quant. Results

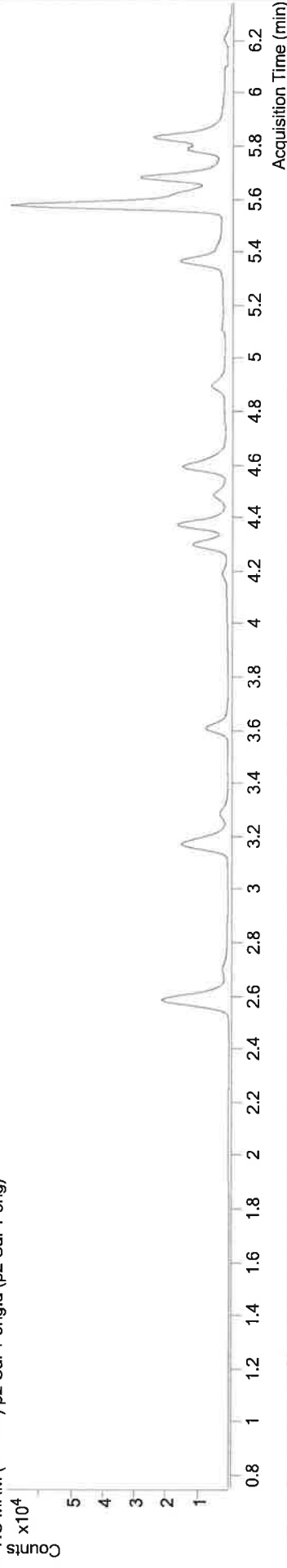
Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wklist 3239 TS.batch.bin 4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901)
 Acq. Method MDQ P2 Combined 040919.m
 Sample Position P1-A5
 Injection Volume 1
 Acq. Date-Time 4/9/2019 12:21:46 PM
 Sample Info. p2 Cal 1-5ng.d
 p2 Cal 1-5ng
 Tamara Salazar

Data File
 Sample
 Operator
 Comment

Sample Chromatogram

+ TIC MRM (** -> **) p2 Cal 1-5ng.d (p2 Cal 1-5ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.621	2821	2752.92	23.8	6037.45	27667	4.9181 ng/ml
Etizolam	5.802	1603	1538.18	26.4	443.79	45109	5.0010 ng/ml
Flurazepam	5.338	377	581.33	15.3	42.63	13956	5.0043 ng/ml
Midazolam	5.830	385	102.12	85.6	406.33	10868	5.1359 ng/ml
Nortriptyline	5.705	99	20.90	43.2	82.52	749	4.7092 ng/ml
Paroxetine	5.571	52	24.98	36.8 Low	67.50	1332	6.2021 ng/ml

DS

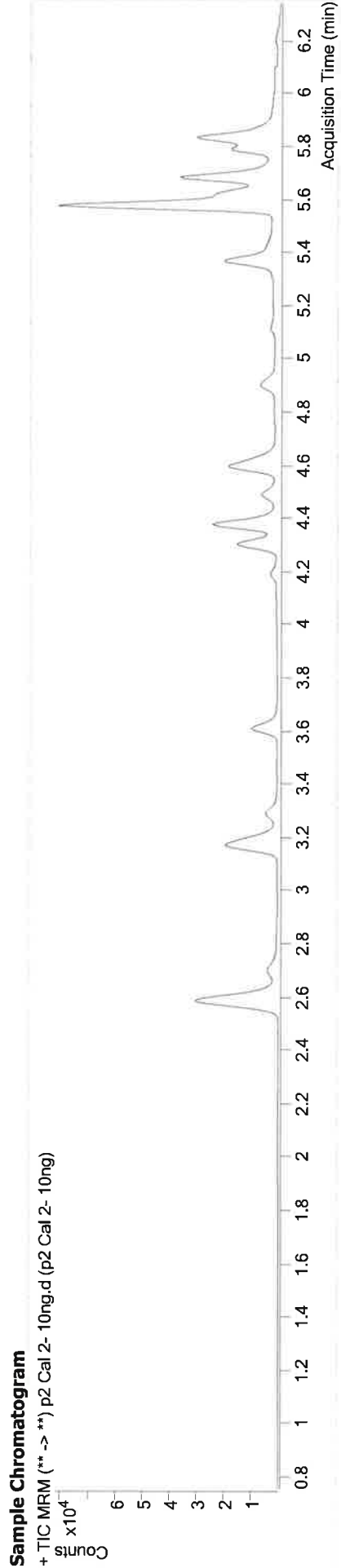


AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update 4/10/2019 9:59:09 AM D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin

Instrument Type FALCO-LCMS (Property ID 069901)
Data File p2 Cal 2- 10ng.d
Sample p2 Cal 2- 10ng
Operator Tamara Salazar
Comment

Acq. Method MDQ P2 Combined 040919.m
Sample Position P1-B5
Injection Volume 1
Acq. Date-Time 4/9/2019 12:32:21 PM
Sample Info.



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	6424	667.22	24.2	351.71	32338	10.0933 ng/ml
Etizolam	5.802	3665	8819.82	24.7	392.78	50911	10.2148 ng/ml
Flurazepam	5.338	946	539.52	12.8	68.17	15661	10.1358 ng/ml
Midazolam	5.830	811	192.20	89.4	∞	12415	9.5085 ng/ml
Nortriptyline	5.705	206	84.30	43.3	31.17	829	9.4430 ng/ml
Paroxetine	5.571	78	23.12	58.6	10.97	1376	9.5962 ng/ml

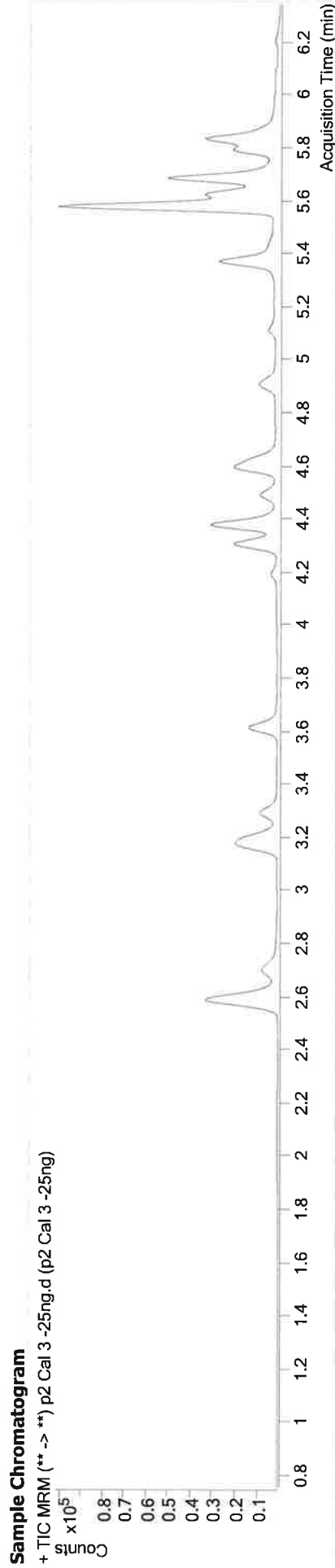
TS



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2_wklist 3239 TS.batch.bin 4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901) Data File p2 Cal 3 -25ng.d
Sample Operator Tamara Salazar
Acq. Method MDQ P2 Combined 040919.m
Sample Position P1-C5
Injection Volume 1
Acq. Date-Time 4/9/2019 12:42:49 PM
Sample Info.



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	14319	2581.39	24.3	4012.55	29439	25.4922 ng/ml
Etizolam	5.802	8352	4254.61	25.9	6043.32	50577	23.5437 ng/ml
Flurazepam	5.338	2468	3651.18	13.5	325.51	15238	25.7242 ng/ml
Midazolam	5.830	2070	2248.04	91.7	3377.41	12415	24.3286 ng/ml
Nortriptyline	5.705	522	261.39	35.3	63.69	865	23.9400 ng/ml
Paroxetine	5.571	216	167.00	52.5	152.53	1550	25.9099 ng/ml

TS

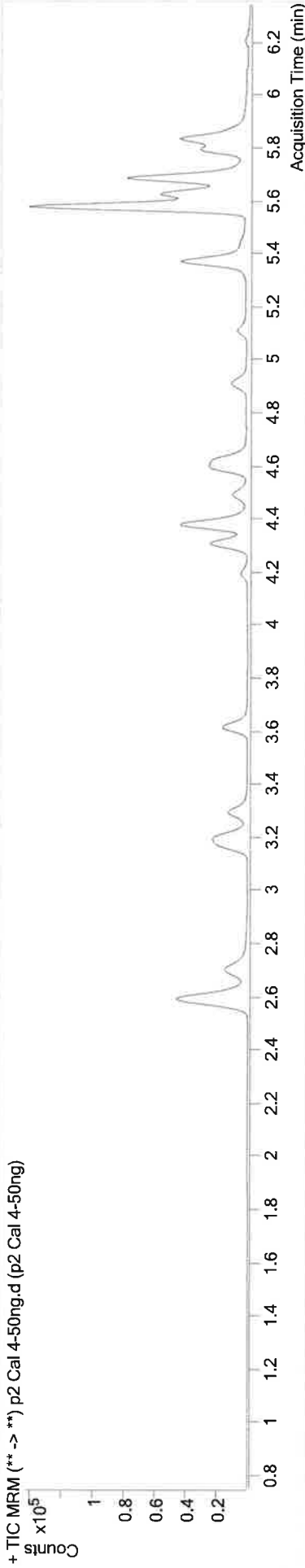


AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wklist 3239 TS.batch.bin 4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901) Data File p2 Cal 4-50ng.d
Acq. Method MDQ P2 Combined 040919.m Sample Operator Tamara Salazar
Injection Volume 1 P1-D5 Comment
Acq. Date-Time 4/9/2019 12:53:16 PM

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	30743	∞	24.2	∞	30913	52.6828 ng/ml
Etizolam	5.802	18248	4660.37	25.3	18382.65	52860	49.3097 ng/ml
Flurazepam	5.338	4512	2065.44	13.6	1609.32	16281	43.4031 ng/ml
Midazolam	5.830	4681	1633.66	85.9	730.37	13320	51.3471 ng/ml
Nortriptyline	5.705	1560	917.79	35.1	147.01	1182	53.2620 ng/ml
Paroxetine	5.571	577	108.05	55.8	127.80	1900	58.2582 ng/ml

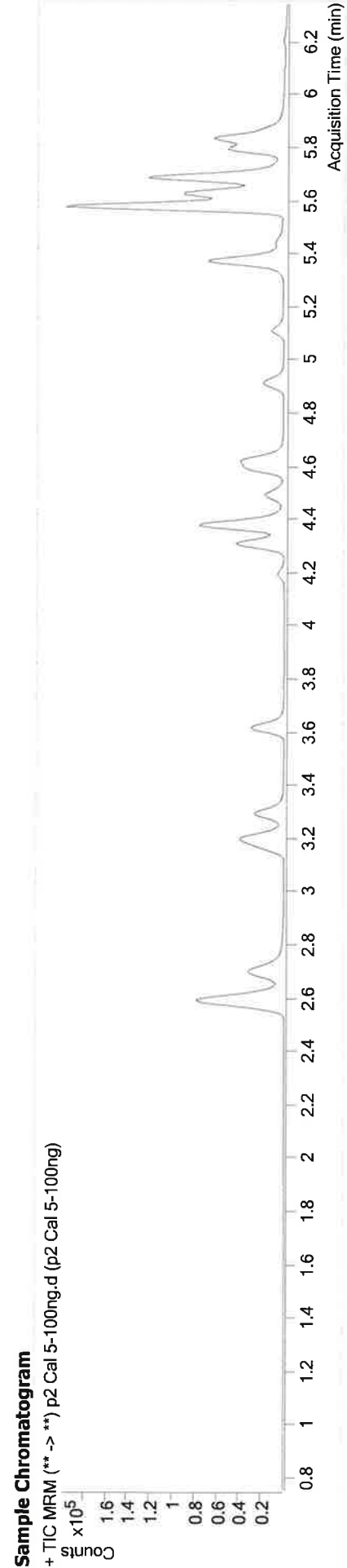
TS



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2_wklist 3239 TS.batch.bin
 4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901)
Data File p2 Cal 5-100ng.d
Sample p2 Cal 5-100ng
Operator Tamara Salazar
Comment
Acq. Method MDQ P2 Combined 040919.m
Sample Position P1-E5
Injection Volume 1
Acq. Date-Time 4/9/2019 1:03:43 PM
Sample Info.



Name	RT	Resp.	S/N	Ratio	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	59049	5500.93	24.5	29671	105.9634 ng/ml
Etizolam	5.802	36604	2559.01	24.7	50855	102.9016 ng/ml
Flurazepam	5.338	9151	19988.71	12.7	15205	93.2574 ng/ml
Midazolam	5.830	9293	2583.06	90.6	13559	100.1761 ng/ml
Nortriptyline	5.705	1926	477.31	33.7	778	100.4810 ng/ml
Paroxetine	5.571	739	346.66	52.5	1483	96.5901 ng/ml

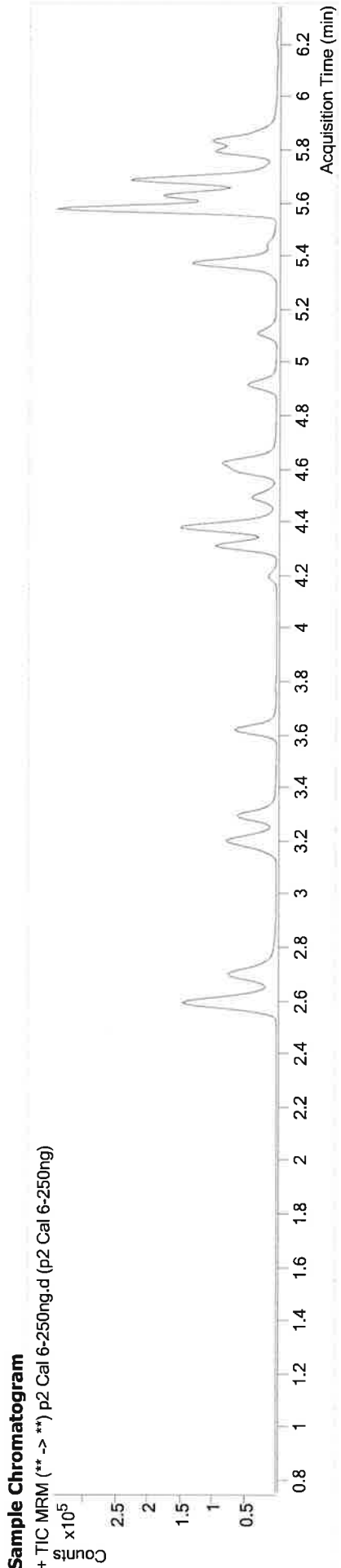
TS



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wklist 3239 TS.batch.bin
Calibration Last Update 4/10/2019 9:59:09 AM

Instrument FALCO-LCMS (Property ID 069901) **Data File** p2 Cal 6-250ng.d
Type Cal **Sample** p2 Cal 6-250ng
Acq. Method MDQ P2 Combined 040919.m **Operator** Tamara Salazar
Sample Position P1-F5
Injection Volume 1
Acq. Date-Time 4/9/2019 1:14:09 PM
Sample Info.



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	143003	94239.87	24.5	5775.72	30114	253.5883 ng/ml
Etizolam	5.802	81327	6720.36	25.0	2679.65	44905	259.0462 ng/ml
Flurazepam	5.338	24809	2792.97	13.1	1837.30	13219	288.9890 ng/ml
Midazolam	5.823	24160	1908.48	90.6	3209.63	14426	244.8542 ng/ml
Nortriptyline	5.705	5492	940.13	37.2	680.71	821	272.7544 ng/ml
Paroxetine	5.571	2103	470.06	55.4	2221.09	1755	234.1979 ng/ml

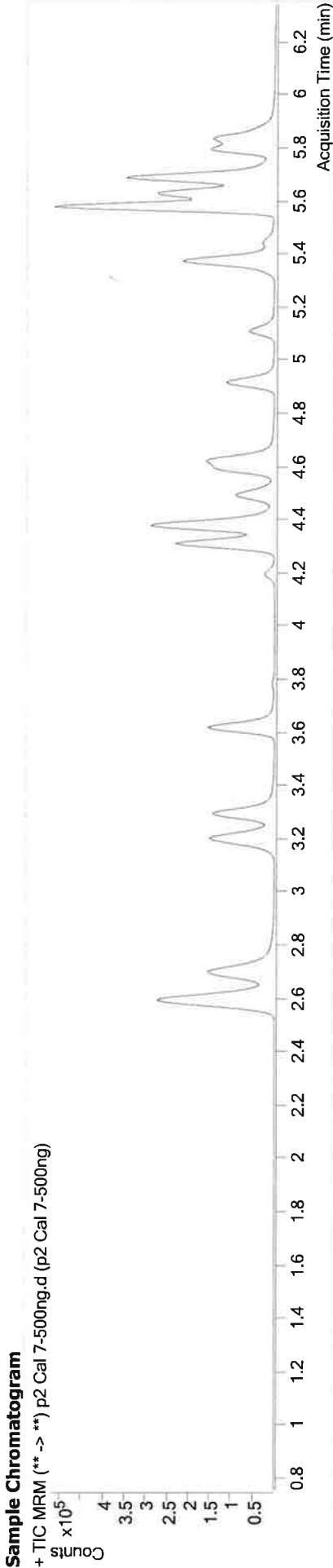
TS



AM #28 Multi-Drug Quant. Results

Batch results
Calibration Last Update: D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2_wklist 3239 TS.batch.bin
4/10/2019 9:59:09 AM

Instrument Type: FALCO-LCMS (Property ID 069901)
Acq. Method: Cal
Sample Position: MDQ P2 Combined 040919.m
Injection Volume: P1-G5
Acq. Date-Time: 1
Sample Info.: 4/9/2019 1:24:36 PM
Data File: p2 Cal 7-500ng.d
Sample Operator: p2 Cal 7-500ng
Comment: Tamara Salazar



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	276888	30867.58	24.9	14542.71	30560	484.3369 ng/ml
Etizolam	5.802	134122	23259.98	25.4	11803.58	38403	499.6238 ng/ml
Flurazepam	5.338	57481	∞	12.8	∞	11029	801.0257 ng/ml
Midazolam	5.823	48303	2752.85	90.7	2414.65	13586	519.8319 ng/ml
Nortriptyline	5.705	9556	1071.85	37.6	418.08	751	519.7861 ng/ml
Paroxetine	5.571	3831	6609.44	54.8	∞	1605	468.0611 ng/ml

TS



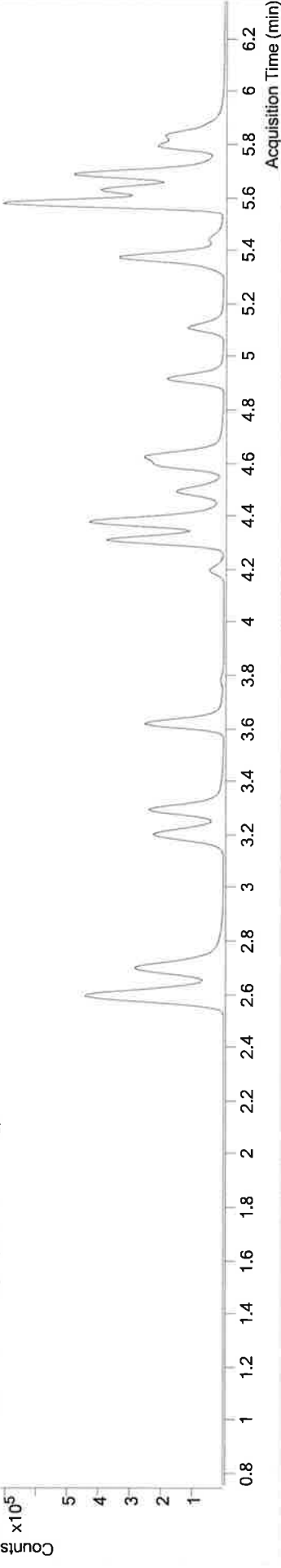
AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\040919 MDQ P1 and P2 TS\QuantResults\P2 wk1st 3239 TS.batch.bin
4/10/2019 9:59:09 AM

Instrument Type FALCO-LCMS (Property ID 069901)
Data File p2 Cal 8-1000ng.d
Acq. Method MDQ P2 Combined 040919.m
Sample Operator Tamara Salazar
Sample Position P1-H5
Injection Volume 1
Acq. Date-Time 4/9/2019 1:35:02 PM
Sample Info.

Sample Chromatogram

+ TIC MRM (** -> **) p2 Cal 8-1000ng.d (p2 Cal 8-1000ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoflunitrazepam	4.628	485606	52080.28	25.2	45007.86	29147	891.0416 ng/ml
Etizolam	5.802	205802	20733.80	24.6	6625.49	29864	985.9319 ng/ml
Flurazepam	5.338	109387	88098.66	13.1	12973.61	8117	2069.7477 ng/ml
Midazolam	5.830	84703	10241.14	89.7	3148.35	12373	1001.0486 ng/ml
Nortriptyline	5.705	14530	1243.35	37.1	1086.24	621	955.6243 ng/ml
Paroxetine	5.571	5736	1107.76	54.0	5156.98	1453	775.2820 ng/ml