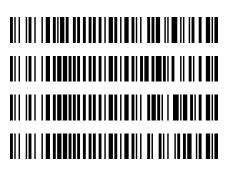
REVIEWED By Sarah Collins at 2:33 pm, Apr 27, 2021

75

4/15/2021

Worklist: 4906

LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
M2021-1319	2	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2021-0238	1	ВСК	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2021-0968	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2021-1048	1	ВСК	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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

Extraction Date:4/15/2021Analyst:Tamara Salazar – HOA Amber GerheartPlate lot#:201207Plate Expiration:6/7/2021Mobile phase A:5mM Amm Form + 0.01% FAMobile phase B:0.01% Formic Acid in MeOHBlank Blood Lot:20L20724Blank Urine Lot:N/AColumn:Agilent 120 EC-C18 (2.1x 100-2.7um)LCMS-QQQ ID:069901

Pre-Analytic:

- \boxtimes 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.
- \boxtimes 3. Create worklist

Analytic:

- \boxtimes 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
- \boxtimes 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☑ 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- \boxtimes 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.
- 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)
- \boxtimes 8. Wait 5 minutes.
- ⊠ 9. Add 900uL ethyl acetate.
- \boxtimes 10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ⊠ 12. Add 900uL ethyl acetate.
- \boxtimes 13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- 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.
- \boxtimes 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS: Compounds evaluated: Cocaethylene, Doxepin, Methylphenidate, Midazolam, Norketamine *Curve ranges:* Norketamine 5-500 ng/mL

	1	2	3	4	5	6	7	8	9	10	11	12
А	IS + Cal. 1	IS + QC_1	P2021-0968-1	IS + Sample	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Cal. 8				
В	IS + Cal. 2	IS + QC_2	P2021-1048-1	IS + Sample	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Cal. 7				
С	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Cal. 6				
D	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	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	IS + Sample	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	Negative Blood	IS + Sample	IS + Sample	IS + Cal. 6	IS + Sample	IS + QC_3	IS + Cal. 3				
G	IS + Cal. 7	M2021-1319- 2	IS + Sample	IS + Sample	IS + Cal. 7	IS + Sample	IS + QC_2	IS + Cal. 2				
Н	IS + Cal. 8	P2021-0238-1	IS + Sample	IS + Sample	IS + Cal. 8	IS + Sample	IS + QC_1	IS + Cal. 1				

All wells to contain 60 μl of Trapping Solution

	1	2	3	4	5	6	7	8	9	10	11	12
А	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Cal. 1	IS + QC_1	P2021-0968-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
В	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Cal. 2	IS + QC_2	P2021-1048-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
с	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	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	IS + Sample	IS + Sample	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	IS + Sample	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	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6	Negative Blood	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7	M2021-1319- 2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
Н	IS + Cal. 8	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8	P2021-0238-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 μl of Trapping Solution

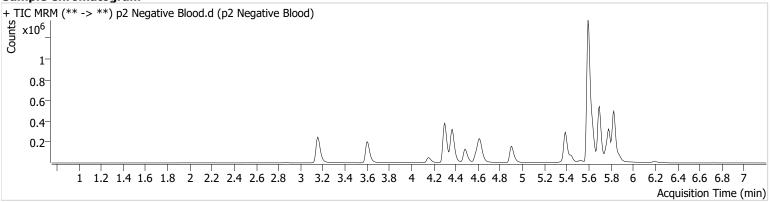


 Batch results
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 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument
Туре	Sample
Acq. Method	AM 28 MDQ
Sample Position	P6-F6
Injection Volume	2
Acq. Date-Time	4/15/2021 4
Sample Info.	

strument 1 ample 4 28 MDQ P2.m 5-F6 15/2021 4:27:33 PM Data File Sample Operator Comment p2 Negative Blood.d p2 Negative Blood Tamara Salazar

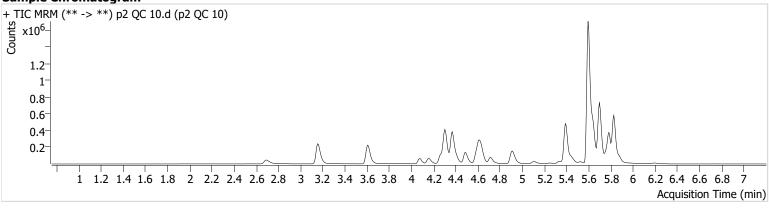


 Batch results
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Instrument	Instrument 1
Туре	QC
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-A6
Injection Volume	2
Acq. Date-Time	4/15/2021 3:24:02 PM
Sample Info.	

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



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	125080	5361.78	54.8	2229.22	241000	9.9061 ng/ml
Doxepin	5.356	6774	106.59	49.8	12.08	29652	10.5833 ng/ml
Methylphenidate	4.310	216134	7561.16	21.8	46245.88	817738	9.8642 ng/ml
Midazolam	5.764	16641	2696.48	100.8	933.28	241000	9.9429 ng/ml
Norketamine	4.075	30972	162.21	441.6	3151.85	669558	12.0861 ng/ml

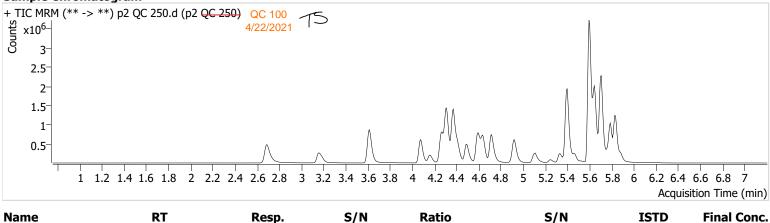
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 Calibration Last Update
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Instrument	Instrument 1
Туре	QC
Acq. Method	AM 28 MDQ P2.n
Sample Position	P6-B6
Injection Volume	2
Acq. Date-Time	4/15/2021 3:45:
Sample Info.	

ment 1 3 MDQ P2.m 2021 3:45:13 PM Data File Sample Operator Comment p2 QC 250.d p2 QC 250 QC 100 Tamara Salazar 4/22/2021

Sample Chromatogram



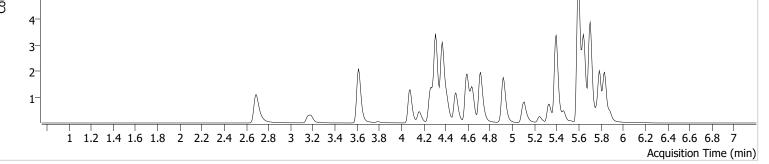
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	1293761	595.50	54.6	32185.77	251812	92.1237 ng/ml
Doxepin	5.356	68142	169.51	44.1	226.15	29523	102.8033 ng/ml
Methylphenidate	4.310	2255236	48511.46	21.8	22521.43	853385	97.8896 ng/ml
Midazolam	5.764	175502	1072.75	89.4	2477.41	251812	98.6245 ng/ml
Norketamine	4.075	306499	2109.01	429.1	14148.41	700492	122.2698 ng/ml

p2 QC 250 QC 100 4/22/2021

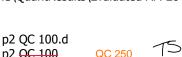
 Batch results
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 Calibration Last Update
 4/20/2021 3:29:03 PM

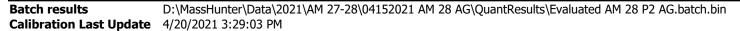
Data File p2 QC 100.d Instrument Instrument 1 Sample p2 QC 100 QC 250 Туре QC Acq. Method AM 28 MDQ P2.m Operator Tamara Salazar 4/22/2021 Sample Position P6-C6 Comment **Injection Volume** 2 Acq. Date-Time 4/15/2021 6:13:27 PM Sample Info. Sample Chromatogram + TIC MRM (** -> **) p2 QC 100.d (p2 QC 100) QC 250 Counts x10⁶_ 4/22/2021 4 3-



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	3470772	1494068.05	54.0	3013967.64	252597	245.2547 ng/ml
Doxepin	5.356	176029	1286.95	46.2	287.60	31611	247.3842 ng/ml
Methylphenidate	4.310	6249130	196872.67	21.3	15119.73	918545	251.8755 ng/ml
Midazolam	5.771	446759	1132.14	94.0	4680.57	252597	249.9860 ng/ml
Norketamine	4.081	658110	4596.77	428.8	7965.65	694009	266.0843 ng/ml



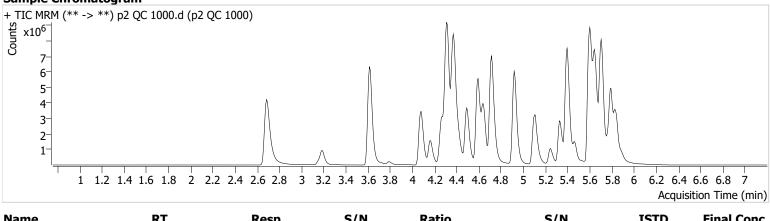
p2 QC 100 QC 250 4/22/2021



Instrument	Instrument 1
Instrument	
Туре	QC
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-D6
Injection Volume	2
Acq. Date-Time	4/15/2021 4:06:23 PM
Sample Info.	

Data File Sample Operator Comment p2 QC 1000.d p2 QC 1000 Tamara Salazar 15

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	13401859	71683.99	54.0	1499829.41	241773	987.3863 ng/ml
Doxepin	5.356	747284	8103.93	48.8	547.79	33136	1000.4871 ng/ml
Methylphenidate	4.318	20208096	87027.76	24.0	65637.61	819499	912.7286 ng/ml
Midazolam	5.764	1678761	1712.81	88.7	914.68	241773	980.8564 ng/ml
Norketamine	<u>4.081</u>	1960595	<u>3846.42</u>	<u>442.4</u>	<u>2529492.49</u>	767339	718.5381 ng/ml

*Outside curve range



								Report	
Batch results	D:\Mass AG.batc		ta\2021	AM 27-28\0	4152021	AM 28 AG	QuantResu	lts\Evaluated	AM 28 P2
Last Cal. Update	4/20/202	21 3:29 PM							
Analyst Name	ISP\Data	astor							
Analyte	Doxepin	1				Internal	Standard	Doxepir	ו-D3
Doxepin - 8 Levels $33 \times 10^{1-}$ y = 2.2 R^2 = Type:Li $32 \times 1.8^{-}$ $32 \times 1.8^{-}$ 1.6^{-} 1.4^{-} 1.2^{-} 1^{-} 0.8^{-} 0.6^{-} 0.4^{-} 0.2^{-} 0^{-} 0.2^{-}	255107 * x 0.9985600 inear, Origi	- 0.01020 7)5		ed, 4 Q0	S 6	7	8 9 Relative	10 Concentration
Sample		Leve	el	Enabled		xpected centration		ncentration	Accuracy

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	~	5.0	5.0	100.5
p2 Cal 2- 10ng	2	~	10.0	10.2	101.7
p2 Cal 3 -25ng	3	~	25.0	23.0	92.0
p2 Cal 4-50ng	4	~	50.0	51.0	101.9
p2 Cal 5-100ng	5	~	100.0	101.5	101.5
p2 Cal 6-250ng	6	~	250.0	253.7	101.5
p2 Cal 7-500ng	7	~	500.0	505.1	101.0
p2 Cal 8-1000ng	8	~	1000.0	999.2	99.9



AM #28 Multi-Drug Quant. Calibration Curve Report

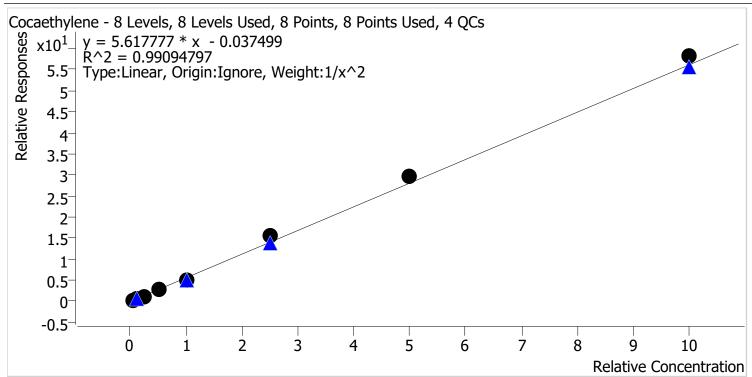
Batch results		D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin								
Last Cal. Update		21 3:29 PN								
Analyst Name	ISP\Data	astor								
Analyte	Norketa	mine				Internal	Standaro	d	acetyl-n	orfentanyl-d5
$\frac{2}{2}$ 2.6 R^2 = 0	vels, 7 Lev 5127 * x .9907022 ear, Origi	+ 0.0033	336 Weigh	·	•	ed, 4 QCs				
0	1	2	3	4	5	6	7	8	9	10
								Re	elative	Concentration
Sample		Leve	el	Enabled		Expected Concentration	Final C	Concent	ration	Accuracy
p2 Cal 1-5ng]	1		v		5.0		4.7		94.6
		1								

			Concentration		
p2 Cal 1-5ng	1	~	5.0	4.7	94.6
p2 Cal 2- 10ng	2	~	10.0	10.6	105.8
p2 Cal 3 -25ng	3	~	25.0	27.6	110.4
p2 Cal 4-50ng	4	~	50.0	53.2	106.3
p2 Cal 5-100ng	5	~	100.0	100.5	100.5
p2 Cal 6-250ng	6	~	250.0	238.8	95.5
p2 Cal 7-500ng	7	~	500.0	434.5	86.9
p2 Cal 8-1000ng	8	×	1000.0	693.0	69.3

*Cal 8 removed due to accuracy



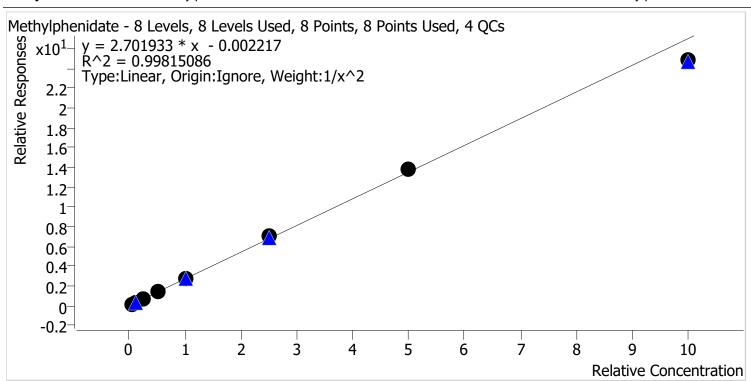
Batch results	D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin					
Last Cal. Update	4/20/2021 3:29 PM					
Analyst Name	ISP\Datastor					
Analyte	Cocaethylene	Internal Standard	Midazolam-D4			



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	~	5.0	5.3	105.8
p2 Cal 2- 10ng	2	~	10.0	9.3	93.5
p2 Cal 3 -25ng	3	~	25.0	21.7	86.9
p2 Cal 4-50ng	4	~	50.0	51.2	102.4
p2 Cal 5-100ng	5	~	100.0	91.7	91.7
p2 Cal 6-250ng	6	~	250.0	277.0	110.8
p2 Cal 7-500ng	7	~	500.0	526.7	105.3
p2 Cal 8-1000ng	8	~	1000.0	1036.9	103.7



Batch results	D:\MassHunter\Data\2021\AM 27-28\04152021 A AG.batch.bin	M 28 AG\QuantResults\E	Evaluated AM 28 P2
Last Cal. Update	4/20/2021 3:29 PM		
Analyst Name	ISP\Datastor		
Analyte	Methylphenidate	Internal Standard	Methylphenidate-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	~	5.0	5.0	99.3
p2 Cal 2- 10ng	2	~	10.0	10.2	101.7
p2 Cal 3 -25ng	3	~	25.0	24.7	98.7
p2 Cal 4-50ng	4	~	50.0	50.0	100.0
p2 Cal 5-100ng	5	~	100.0	101.3	101.3
p2 Cal 6-250ng	6	~	250.0	260.6	104.2
p2 Cal 7-500ng	7	~	500.0	514.2	102.8
p2 Cal 8-1000ng	8	~	1000.0	919.5	91.9



Batch results		- lunter\Data		AM 27-28\04				Ilts\Evaluated	
Last Cal. Update		1 3:29 PM							
Analyst Name	ISP\Data	stor							
Analyte	Midazola	m				Interna	I Standard	Midaz	olam-D4
Midazolam - 8 Levels y = 0.708 $R^2 = 0.9$ $R^2 = 0.9$ Type:Line 4^- 3^- 2^- 1^- 0^-	045 * x 99836390	- 0.00134	9		sed, -	4 QCs 6	7	8 9 Relative	10 e Concentration
Sampla	1		. 1	Enabled		Exported	-	noontration	

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	~	5.0	5.0	99.2
p2 Cal 2- 10ng	2	~	10.0	9.9	98.7
p2 Cal 3 -25ng	3	~	25.0	27.0	107.8
p2 Cal 4-50ng	4	~	50.0	50.5	101.0
p2 Cal 5-100ng	5	~	100.0	96.3	96.3
p2 Cal 6-250ng	6	~	250.0	245.9	98.4
p2 Cal 7-500ng	7	~	500.0	504.5	100.9
p2 Cal 8-1000ng	8	~	1000.0	977.1	97.7



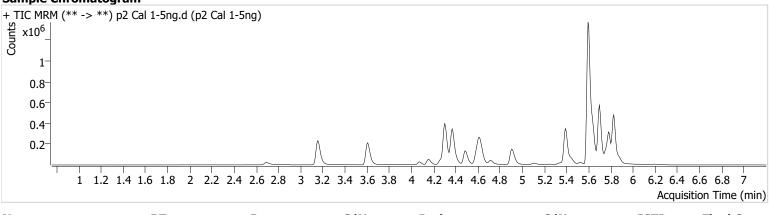
15

 Batch results
 D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin

 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-A5
Injection Volume	2
Acq. Date-Time	4/15/2021 1:37:54 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 1-5ng.d p2 Cal 1-5ng Tamara Salazar



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	65639	163175.34	55.1	403.12	252850	5.2885 ng/ml
Doxepin	5.363	3359	41.70	52.2	10.73	32589	5.0230 ng/ml
Methylphenidate	4.310	119948	3315.35	22.5	48514.81	909327	4.9641 ng/ml
Midazolam	5.764	8541	532.16	90.3	11582.17	252850	4.9613 ng/ml
Norketamine	4.075	13072	102.83	447.7	5916.98	649433	4.7286 ng/ml

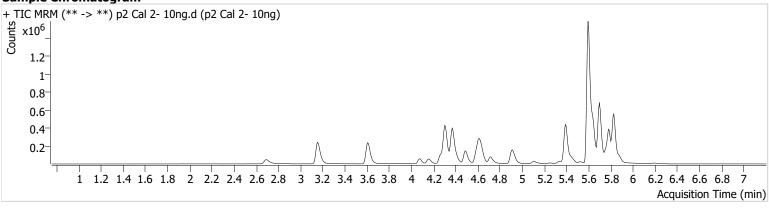


 Batch results
 D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin

 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-B5
Injection Volume	2
Acq. Date-Time	4/15/2021 1:48:41 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 2- 10ng.d p2 Cal 2- 10ng Tamara Salazar



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	128338	281631.94	54.5	91319.06	263115	9.3500 ng/ml
Doxepin	5.356	6540	71.93	51.1	8.78 Low	29858	10.1659 ng/ml
Methylphenidate	4.317	232950	14581.23	21.5	5062.61	854757	10.1687 ng/ml
Midazolam	5.764	18026	7680.97	96.3	7343.81	263115	9.8664 ng/ml
Norketamine	4.075	27222	202.25	444.4	7755.84	665192	10.5843 ng/ml

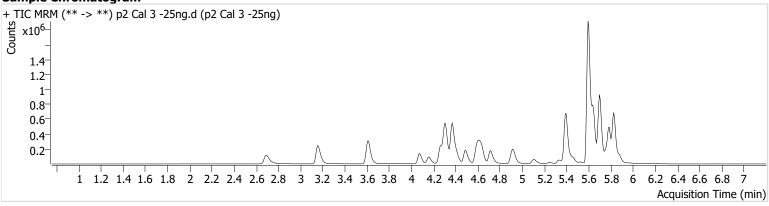


 Batch results
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 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-C5
Injection Volume	2
Acq. Date-Time	4/15/2021 1:59:16 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 3 -25ng.d p2 Cal 3 -25ng Tamara Salazar



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	303905	295166.35	56.0	350450.92	256998	21.7170 ng/ml
Doxepin	5.356	15355	43.24	47.5	40.69	30195	23.0029 ng/ml
Methylphenidate	4.310	525474	228.06	21.8	5593.54	791109	24.6654 ng/ml
Midazolam	5.764	48694	63564.42	88.9	1390.14	256998	26.9502 ng/ml
Norketamine	4.075	68592	356.05	432.7	25680.88	677038	27.5889 ng/ml

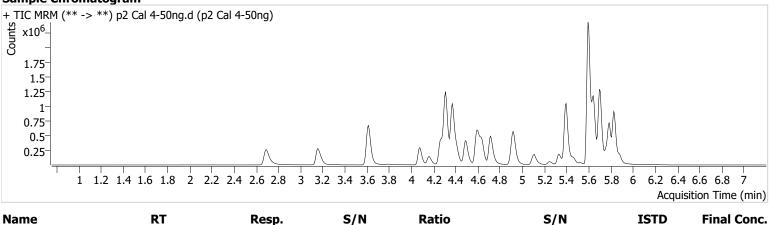


 Batch results
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 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-D5
Injection Volume	2
Acq. Date-Time	4/15/2021 2:09:52 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 4-50ng.d p2 Cal 4-50ng Tamara Salazar



Name	RI	Resp.	S/N	Ratio	S/N	Resp.	Final Conc.
Cocaethylene	4.714	848477	2544755.87	56.1	352355.42	299019	51.1774 ng/ml
Doxepin	5.356	38892	640.00	46.9	391.96	34138	50.9717 ng/ml
Methylphenidate	4.310	1656764	1163.62	21.3	3850.13	1227899	50.0192 ng/ml
Midazolam	5.764	106523	770.08	94.6	722.14	299019	50.5038 ng/ml
Norketamine	4.075	146658	1072.16	430.9	3247.39	763399	53.1571 ng/ml



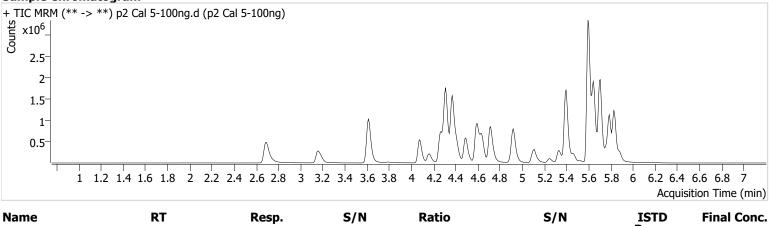
15

 Batch results
 D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin

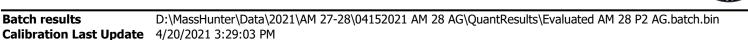
 Calibration Last Update
 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-E5
Injection Volume	2
Acq. Date-Time	4/15/2021 2:20:26 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 5-100ng.d p2 Cal 5-100ng Tamara Salazar

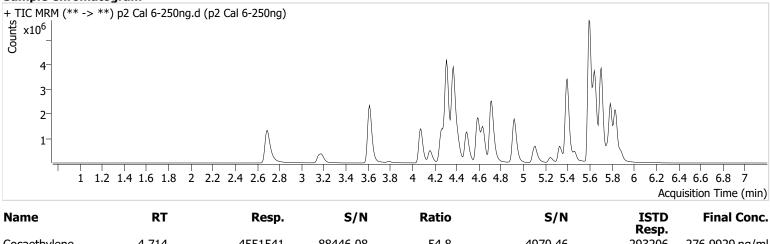


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	1501847	21839.46	54.9	1722425.37	293765	91.6715 ng/ml
Doxepin	5.356	78058	126.96	44.6	245.75	34252	101.5098 ng/ml
Methylphenidate	4.310	2818039	753704.04	21.5	14410.01	1030169	101.3248 ng/ml
Midazolam	5.764	199981	3272.95	98.0	1108.72	293765	96.3356 ng/ml
Norketamine	4.075	269396	884.23	432.3	7867.16	747943	100.4843 ng/ml

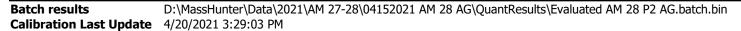


InstrumentIrTypeCaAcq. MethodAlSample PositionPeInjection Volume2Acq. Date-Time4/Sample Info.

Instrument 1 Cal AM 28 MDQ P2.m P6-F5 2 4/15/2021 2:31:04 PM Data File Sample Operator Comment p2 Cal 6-250ng.d p2 Cal 6-250ng Tamara Salazar



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaethylene	4.714	4551541	88446.08	54.8	4970.46	293206	276.9929 ng/ml
Doxepin	5.356	197809	712.53	46.3	640.79	34642	253.6572 ng/ml
Methylphenidate	4.310	7802050	34685.54	21.3	381.21	1108556	260.5633 ng/ml
Midazolam	5.764	510075	2170.48	94.1	6921.07	293206	245.8879 ng/ml
Norketamine	4.075	715189	1802.89	433.5	22105.25	840018	238.8052 ng/ml



Instrument 1
Cal
AM 28 MDQ P2.
P6-G5
2
4/15/2021 2:41

5.356

4.310

5.764

4.075

ment 1 MDQ P2.m 2021 2:41:39 PM

383130

960035

1178635

14195405

Data File Sample Operator Comment p2 Cal 7-500ng.d p2 Cal 7-500ng Tamara Salazar

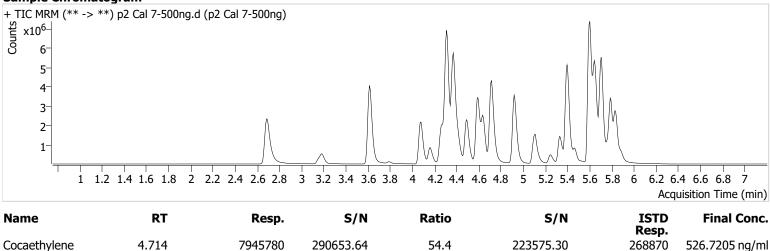
Sample Chromatogram

Doxepin

Midazolam

Norketamine

Methylphenidate



47.0

21.5

90.6

433.6

615.30

94725.41

2560.00

7964.29

33663

1021940

268870

762124

505.1448 ng/ml

514.1821 ng/ml

504.4848 ng/ml

434.5428 ng/ml

949.16

234990.21

1118.88

13051.77



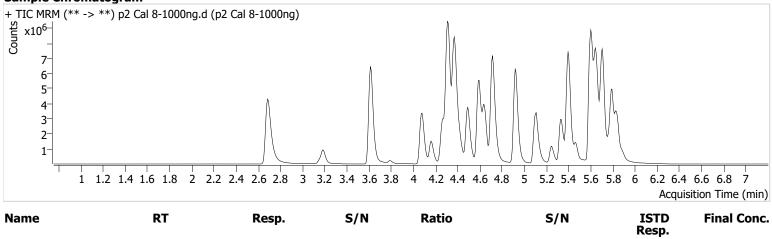


D:\MassHunter\Data\2021\AM 27-28\04152021 AM 28 AG\QuantResults\Evaluated AM 28 P2 AG.batch.bin **Batch results** Calibration Last Update 4/20/2021 3:29:03 PM

Instrument	Instrument 1
Туре	Cal
Acq. Method	AM 28 MDQ P2.m
Sample Position	P6-H5
Injection Volume	2
Acq. Date-Time	4/15/2021 2:52:15 PM
Sample Info.	

Data File Sample Operator Comment p2 Cal 8-1000ng.d p2 Cal 8-1000ng Tamara Salazar

Sample Chromatogram



Ndille	KI	Kesp.	5/ N	Katio	5/ N	Resp.	Final Conc.
Cocaethylene	4.714	13696990	260566.77	54.3	10282.69	235279	1036.9481 ng/ml
Doxepin	5.356	901704	1381.71	49.3	259.23	40033	999.2500 ng/ml
Methylphenidate	4.317	21153577	190027.97	24.3	142961.66	851567	919.4522 ng/ml
Midazolam	5.764	1627485	2726.57	93.0	3264.15	235279	977.1421 ng/ml
Norketamine	<u>4.081</u>	<u>1915102</u>	7918.79	<u>443.2</u>	213788.10	777069	693.0441 ng/ml

*Outside curve range