12/27/2018

Worklist: 2859

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
C2018-2341	1	135385	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2410	1	135386	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2442	1	135387	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2445	2	135388	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2446	1	135389	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2463	1	135390	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2476	1	135391	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2489	1	135392	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2492	1	135393	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2507	1	135394	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
C2018-2521	1	135395	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-5910	3	135396	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-5936	1	135397	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-5994	1	135398	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-6044	1	135399	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-6075	1	135400	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-3407	1	135401	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-3429	1	135402	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-3487	1	135403	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	

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

Extraction Date: 1/2/19   Analyst: Anne Nord
Plate lot#: 0530563   Plate Expiration: May 21 2019

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B:** 0.01% Formic Acid in MeOH
     0.5M Ammonium Hydroxide   Ethyl Acetate   20% Methanol in Water
Blank Blood Lot: 18G207D7   **Column**: Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 62340

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: 1926134** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.   *Shaker ID: 66759*
☒ 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: 66792*
☒ 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: 66819
☒ 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.
     Batch path: *010219 mdq*   Batch name: *mdqp1b and mdqp1a*
☒ 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? See comments. Add Control data to QC tracking spreadsheet.
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: mdqp1a following compounds evaluated – Alprazolam, Amphetamine, Diphenhydramine, Lorazepam, Methamphetamine, Morphine, Venlafaxine. mdqp1b following compounds evaluated- cyclobenzaprine, methadone, sertraline.
Curve limits – amphetamine 10-500
Qualitative evaluation alprazolam and diphenhydramine – external control low.

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline

Stock solution 1mg/ml 100 ul each in 9500 ul meOH

Ppd 3/19/18 Exp: 3/19/19 lot 31919   by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17J20718)

ppd 3/19/18 Exp 9/19/18	by AMN	Concentration 50 ng/ml each	lot 91918
ppd 10/10/18 Exp 3/19/19	by AMN	Concentration 50 ng/ml each	lot 101018

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 20:13	**Data File**	a negative control.d
Sample Type	Sample	**Sample Name**	a negative control
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-E2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1, negative

Sample Chromatogram

+ TIC MRM (** -> **) a negative control.d

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info
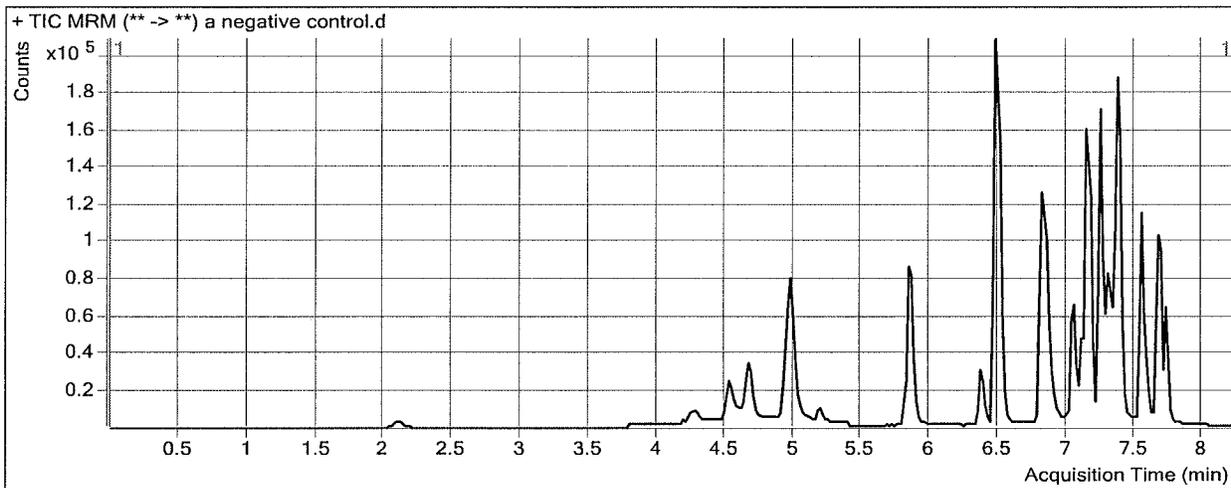
Acq Time	2019-01-02 20:39	**Data File**	a External control.d
Sample Type	Sample	**Sample Name**	a External control
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-F2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; external control p1

Sample Chromatogram
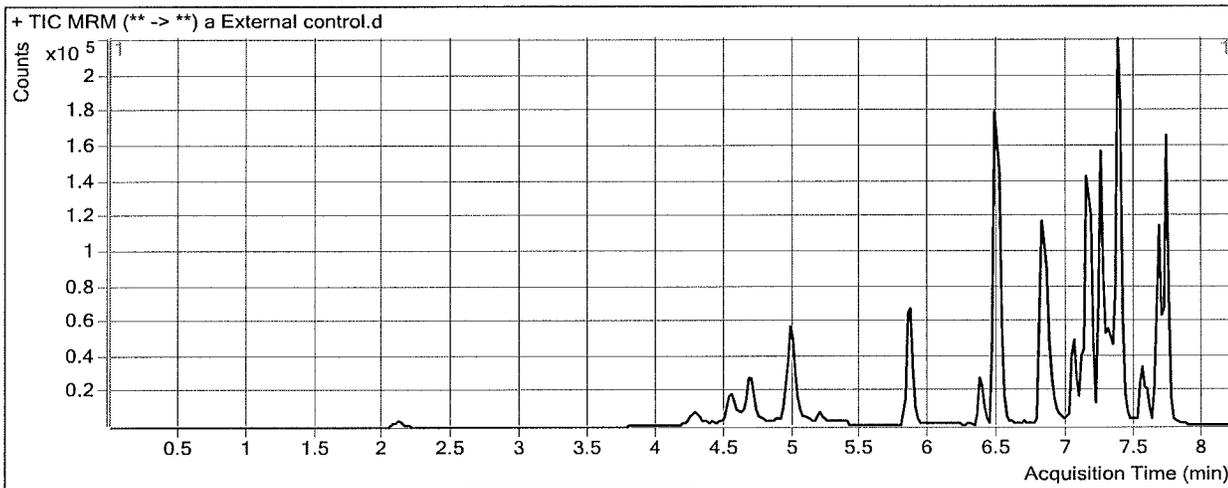
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	7.372	211832	250691	0.8450	38.6472
Lorazepam	Clonazepam-D4	7.704	38210	25875	1.4767	47.8614
Alprazolam	Alprazolam-D5	7.729	109041	106558	1.0233	39.0745

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 21:04	**Data File**	a QC 10.d
Sample Type	QC	**Sample Name**	a QC 10
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-A2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram
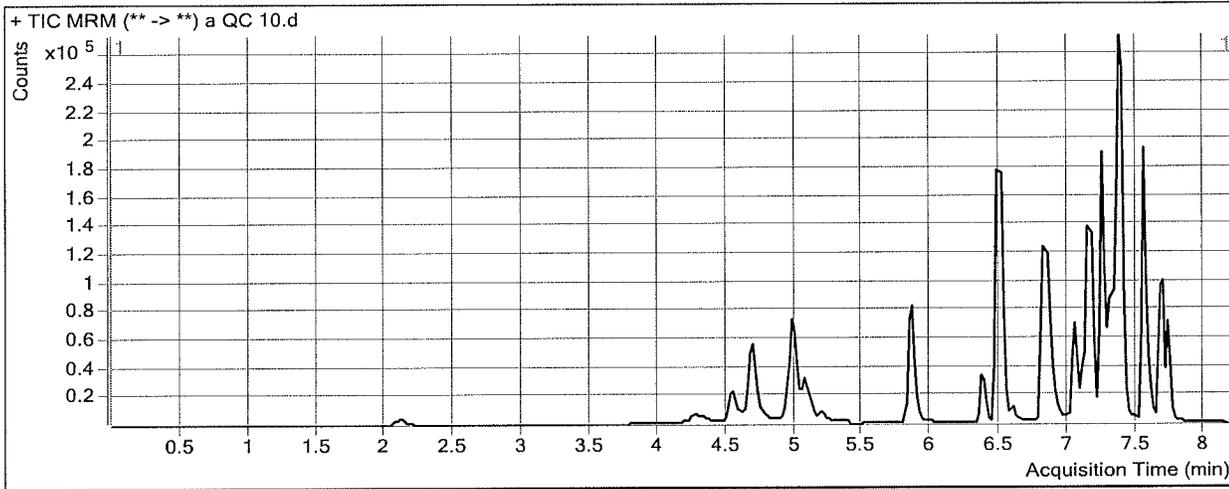
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	1389	1192	1.1652	10.5716
Amphetamine	Amphetamine-D11	4.704	103702	81827	1.2673	9.4590
Methamphetamine	Methamphetamine-D11	5.082	66329	205567	0.3227	10.5921
Venlafaxine	Venlafaxine-D6	7.246	89859	375465	0.2393	10.7127
Diphenhydramine	Diphenhydramine-D3	7.392	90508	439325	0.2060	9.6480
Lorazepam	Clonazepam-D4	7.704	8905	22740	0.3916	11.9211
Alprazolam	Alprazolam-D5	7.729	23652	92123	0.2567	10.4190

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 01:42	**Data File**	a qc 100.d
Sample Type	QC	**Sample Name**	a qc 100
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-B2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a qc 100.d
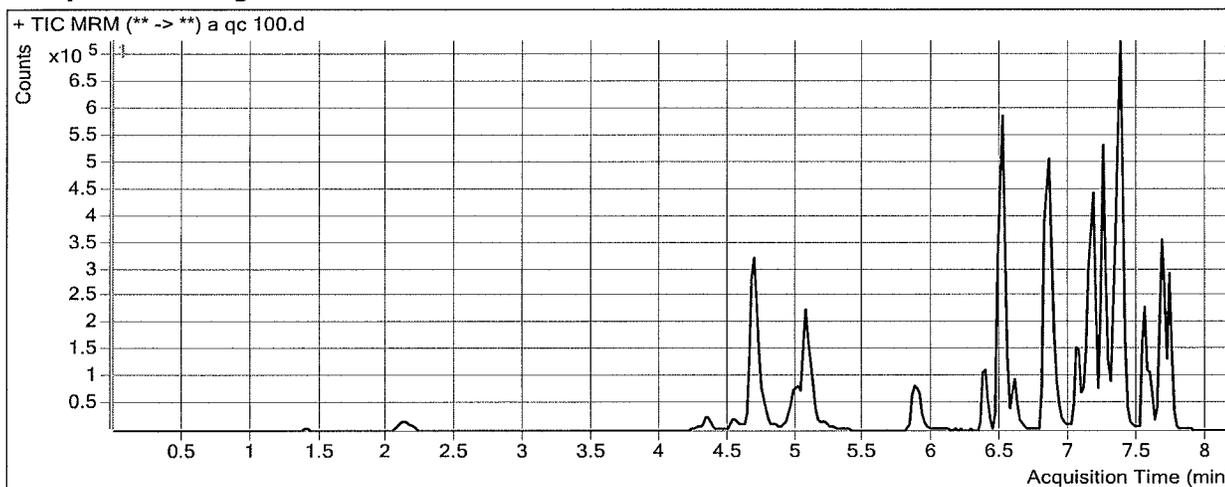
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	12534	1322	9.4795	80.0882
Amphetamine	Amphetamine-D11	4.704	779274	79690	9.7788	109.9204
Methamphetamine	Methamphetamine-D11	5.082	526284	167969	3.1332	111.4611
Venlafaxine	Venlafaxine-D6	7.246	860975	370773	2.3221	101.6920
Diphenhydramine	Diphenhydramine-D3	7.372	707473	315879	2.2397	101.9448
Lorazepam	Clonazepam-D4	7.704	56399	20552	2.7442	89.8438
Alprazolam	Alprazolam-D5	7.729	245202	88455	2.7721	104.4473

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 02:33	**Data File**	a QC 250.d
Sample Type	QC	**Sample Name**	a QC 250
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-C2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a QC 250.d
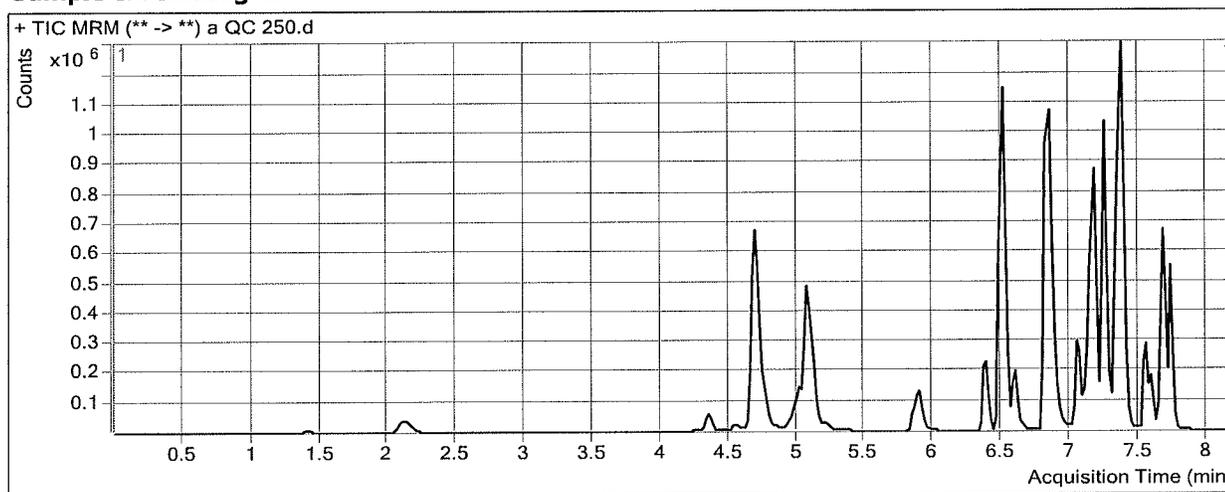
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	30625	1185	25.8356	216.8416
Amphetamine	Amphetamine-D11	4.704	1721695	75738	22.7324	262.8113
Methamphetamine	Methamphetamine-D11	5.082	1100029	155122	7.0914	253.5160
Venlafaxine	Venlafaxine-D6	7.246	2074313	346356	5.9890	261.8666
Diphenhydramine	Diphenhydramine-D3	7.372	1479266	256876	5.7587	261.6501
Lorazepam	Clonazepam-D4	7.725	43481	13259	3.2793	107.5672
Alprazolam	Alprazolam-D5	7.729	530872	79961	6.6391	249.0076

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 02:59	**Data File**	a qc 1000.d
Sample Type	QC	**Sample Name**	a qc 1000
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-D2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a qc 1000.d
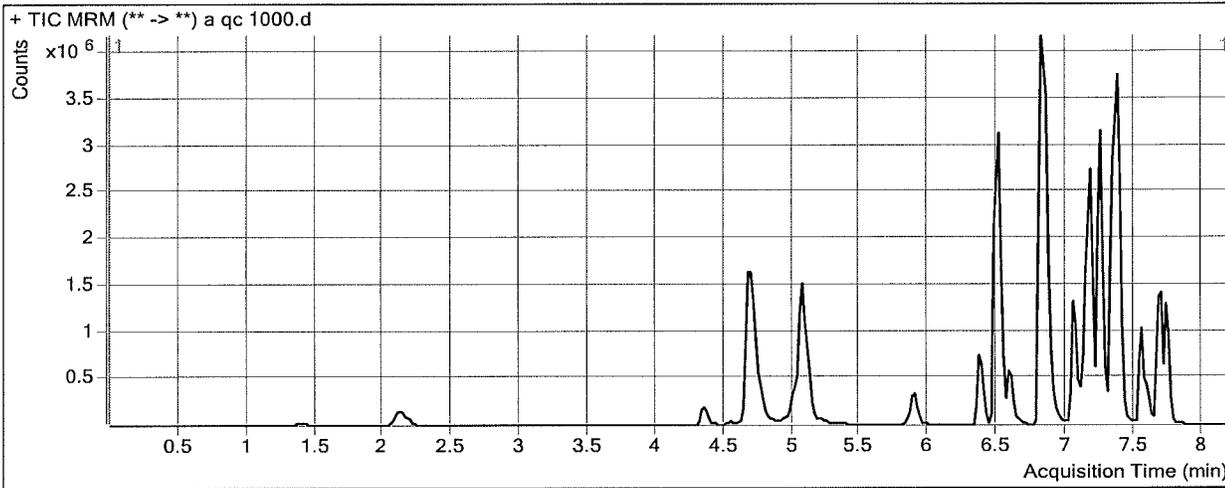
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	115672	1111	104.0750	871.0017
Amphetamine	Amphetamine-D11	4.684	4300968	76875	55.9476	~~654.8521~~ *outside curve range*
Methamphetamine	Methamphetamine-D11	5.082	3350334	130299	25.7126	921.8207
Venlafaxine	Venlafaxine-D6	7.246	7498675	336444	22.2880	973.8369
Diphenhydramine	Diphenhydramine-D3	7.372	5163241	234896	21.9809	997.8831
Lorazepam	Clonazepam-D4	7.704	215576	7694	28.0189	926.9690
Alprazolam	Alprazolam-D5	7.729	1495686	53847	27.7766	1039.1811

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin
Last Calib Update   1/3/2019 9:27 AM   **Analyst Name**   ISP TOX

Target Compound   *Morphine*
Internal Standard   *Morphine-D6*

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

$y = 0.119603 * x - 0.099229$
$R^2 = 0.99863463$
Type:Linear, Origin:Ignore, Weight:1/x
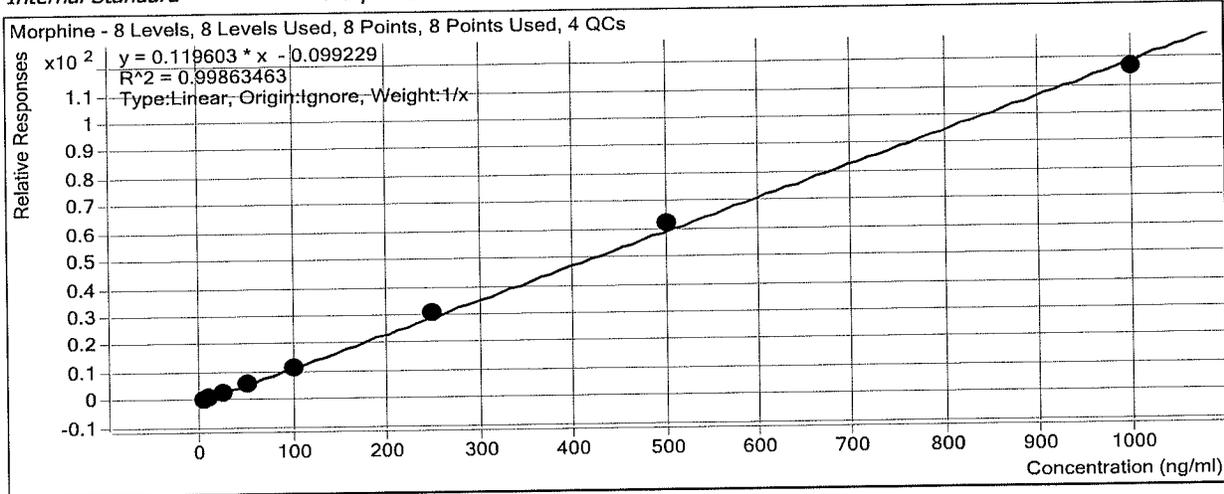
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.3	105.7
a cal 2-10ng	2	☑	10	10.7	107.3
a QC 10	2	☑	10	10.6	105.7
a cal 3-25ng	3	☑	25	22.1	88.4
a cal 4-50ng	4	☑	50	47.7	95.4
a cal 5-100ng	5	☑	100	98.3	98.3
a qc 100	5	☑	100	80.1	80.1
a cal 6-250ng	6	☑	250	256.2	102.5
a QC 250	6	☑	250	216.8	86.7
a cal 7-500ng	7	☑	500	523.9	104.8
a cal 8-1000ng	8	☑	1000	975.7	97.6
a qc 1000	8	☑	1000	871.0	87.1

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin

Last Calib Update   1/3/2019 9:27 AM   **Analyst Name**   ISP TOX

Target Compound   *Amphetamine*
Internal Standard   *Amphetamine-D11*

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

$y = 0.084724 * x + 0.465927$

$R^2 = 0.98128910$

Type:Linear, Origin:Ignore, Weight:1/x^2
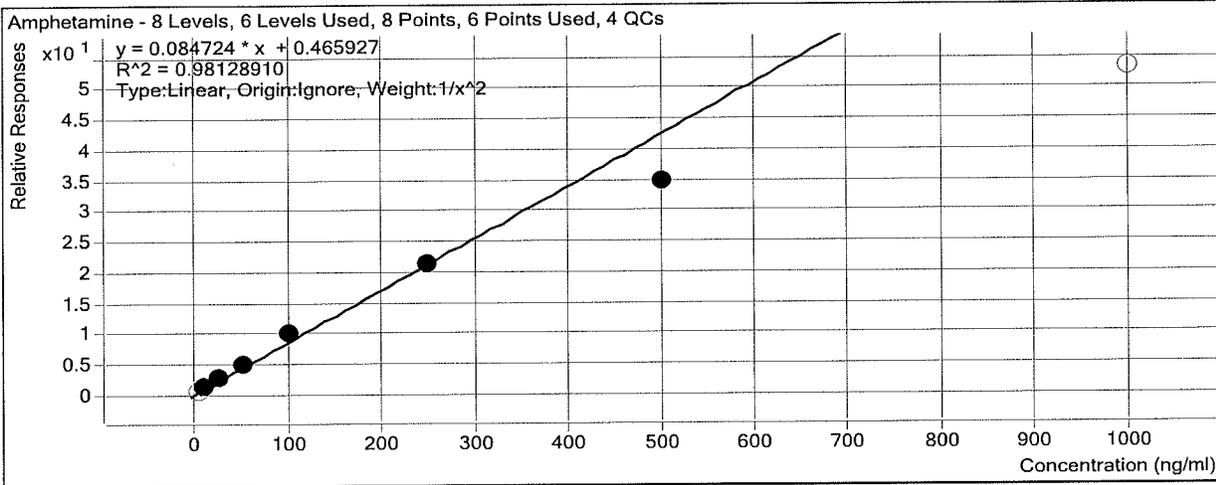
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☐	5	4.0	79.5
a cal 2-10ng	2	☑	10	9.4	94.2
a QC 10	2	☑	10	9.5	94.6
a cal 3-25ng	3	☑	25	27.6	110.5
a cal 4-50ng	4	☑	50	52.1	104.3
a cal 5-100ng	5	☑	100	111.7	111.7
a qc 100	5	☑	100	109.9	109.9
a cal 6-250ng	6	☑	250	245.5	98.2
a QC 250	6	☑	250	262.8	105.1
a cal 7-500ng	7	☑	500	405.8	81.2
a cal 8-1000ng	8	☐	1000	622.9	62.3
a qc 1000	8	☐	1000	654.9	65.5

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin
Last Calib Update   1/3/2019 9:27 AM   **Analyst Name**   ISP TOX

Target Compound   *Methamphetamine*
Internal Standard   *Methamphetamine-D11*

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

$y = 0.027863 * x + 0.027533$
$R^2 = 0.99828112$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
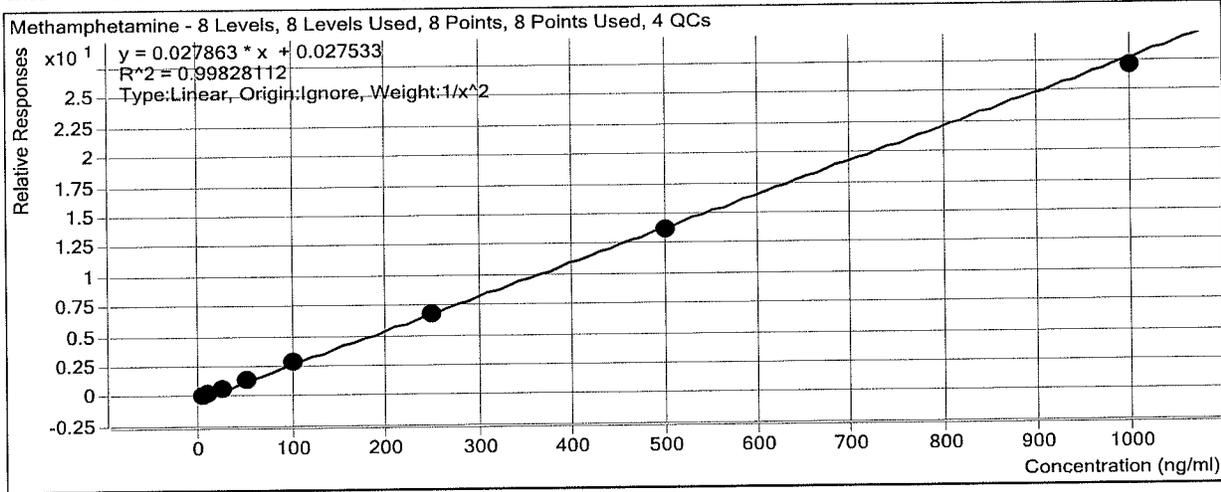
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	101.1
a cal 2-10ng	2	☑	10	9.6	95.9
a QC 10	2	☑	10	10.6	105.9
a cal 3-25ng	3	☑	25	25.5	102.1
a cal 4-50ng	4	☑	50	51.6	103.3
a cal 5-100ng	5	☑	100	105.9	105.9
a qc 100	5	☑	100	111.5	111.5
a cal 6-250ng	6	☑	250	242.2	96.9
a QC 250	6	☑	250	253.5	101.4
a cal 7-500ng	7	☑	500	489.6	97.9
a cal 8-1000ng	8	☑	1000	969.1	96.9
a qc 1000	8	☑	1000	921.8	92.2

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin
Last Calib Update   1/3/2019 9:27 AM   **Analyst Name**   ISP TOX

Target Compound   *Venlafaxine*
Internal Standard   *Venlafaxine-D6*

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.022893 * x - 0.005918
R^2 = 0.99990370
Type:Linear, Origin:Ignore, Weight:1/x
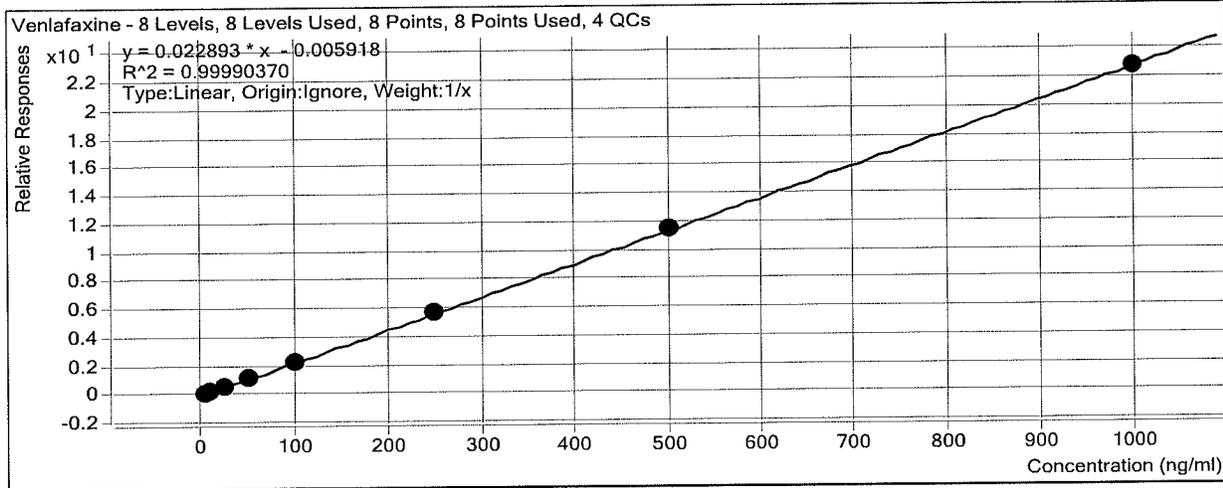
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.0	99.4
a cal 2-10ng	2	☑	10	9.8	97.5
a QC 10	2	☑	10	10.7	107.1
a cal 3-25ng	3	☑	25	24.5	98.0
a cal 4-50ng	4	☑	50	51.8	103.7
a cal 5-100ng	5	☑	100	100.5	100.5
a qc 100	5	☑	100	101.7	101.7
a cal 6-250ng	6	☑	250	252.2	100.9
a QC 250	6	☑	250	261.9	104.7
a cal 7-500ng	7	☑	500	503.0	100.6
a cal 8-1000ng	8	☑	1000	993.2	99.3
a qc 1000	8	☑	1000	973.8	97.4

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin
Last Calib Update 1/3/2019 9:27 AM **Analyst Name** ISP TOX

Target Compound *Diphenhydramine*
Internal Standard *Diphenhydramine-D3*

Diphenhydramine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.022034 * x - 0.006569$
$R^2 = 0.99980837$
Type:Linear, Origin:Ignore, Weight:1/x
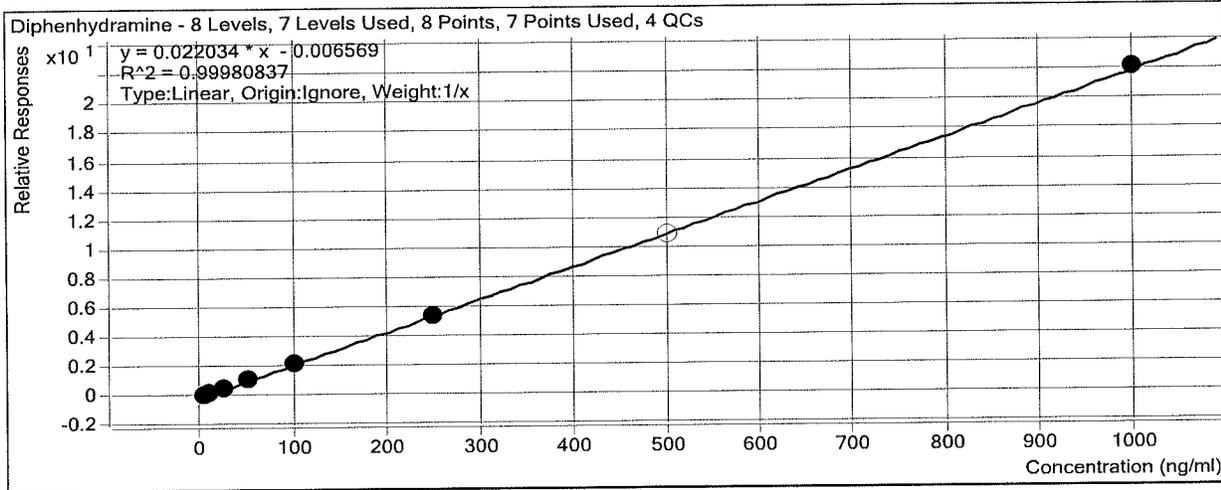
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.0	99.7
a cal 2-10ng	2	☑	10	9.9	99.0
a QC 10	2	☑	10	9.6	96.5
a cal 3-25ng	3	☑	25	24.9	99.7
a cal 4-50ng	4	☑	50	52.1	104.2
a cal 5-100ng	5	☑	100	99.2	99.2
a qc 100	5	☑	100	101.9	101.9
a cal 6-250ng	6	☑	250	244.2	97.7
a QC 250	6	☑	250	261.7	104.7
a cal 7-500ng	7	☐	500	497.7	99.5
a cal 8-1000ng	8	☑	1000	1004.6	100.5
a qc 1000	8	☑	1000	997.9	99.8

Drop A
Dropped 500 calibrator primary & secondary
peaks were cut off.
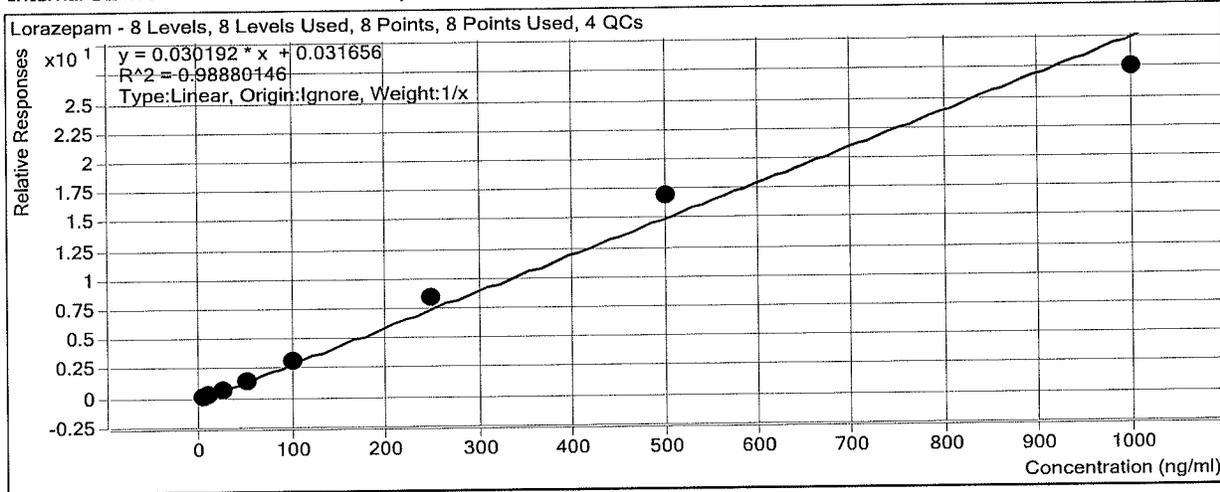
ISP Forensics
Calibration Curve Report

Target Compound   *Lorazepam*
Internal Standard   *Clonazepam-D4*

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

$y = 0.030192 * x + 0.031656$
$R^2 = 0.98880146$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.5
a cal 2-10ng	2	☑	10	9.2	92.2
a QC 10	2	☑	10	11.9	119.2
a cal 3-25ng	3	☑	25	22.5	90.0
a cal 4-50ng	4	☑	50	47.5	94.9
a cal 5-100ng	5	☑	100	104.2	104.2
a qc 100	5	☑	100	89.8	89.8
a cal 6-250ng	6	☑	250	279.6	111.8
a QC 250	6	☑	250	107.6	43.0
a cal 7-500ng	7	☑	500	562.3	112.5
a cal 8-1000ng	8	☑	1000	909.6	91.0
a qc 1000	8	☐	1000	927.0	92.7

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin
Last Calib Update   1/3/2019 9:27 AM   **Analyst Name**   ISP TOX

Target Compound   *Alprazolam*
Internal Standard   *Alprazolam-D5*

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

$y = 0.026750 * x - 0.021966$
$R^2 = 0.99919641$
Type:Linear, Origin:Ignore, Weight:1/x
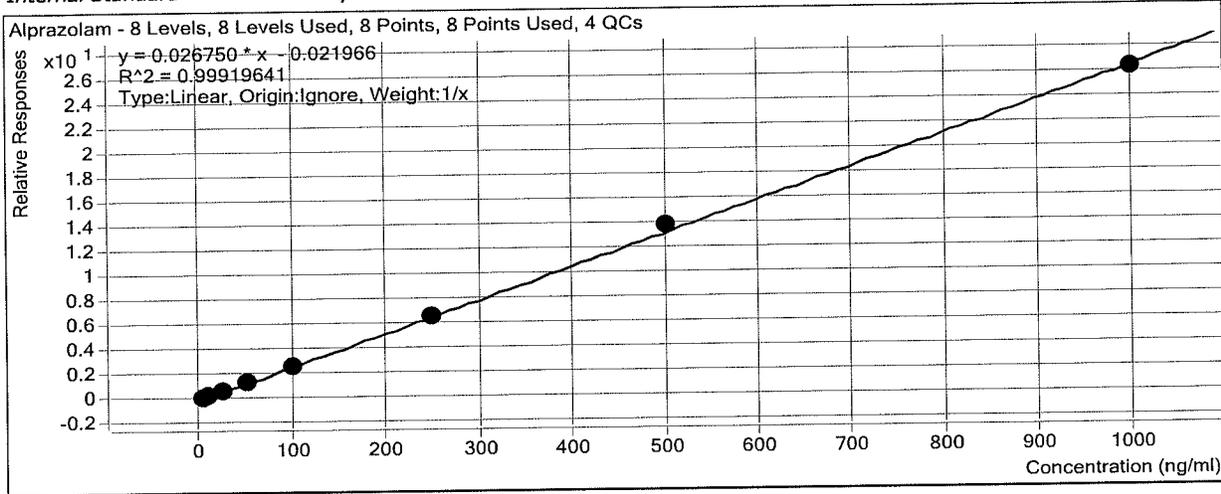
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.4	107.9
a cal 2-10ng	2	☑	10	9.9	98.7
a QC 10	2	☑	10	10.4	104.2
a cal 3-25ng	3	☑	25	23.2	92.8
a cal 4-50ng	4	☑	50	50.3	100.7
a cal 5-100ng	5	☑	100	99.3	99.3
a qc 100	5	☑	100	104.4	104.4
a cal 6-250ng	6	☑	250	244.3	97.7
a QC 250	6	☑	250	249.0	99.6
a cal 7-500ng	7	☑	500	521.6	104.3
a cal 8-1000ng	8	☑	1000	986.1	98.6
a qc 1000	8	☑	1000	1039.2	103.9

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 16:50	**Data File**	a cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	a cal 1-5ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 1-5ng.d
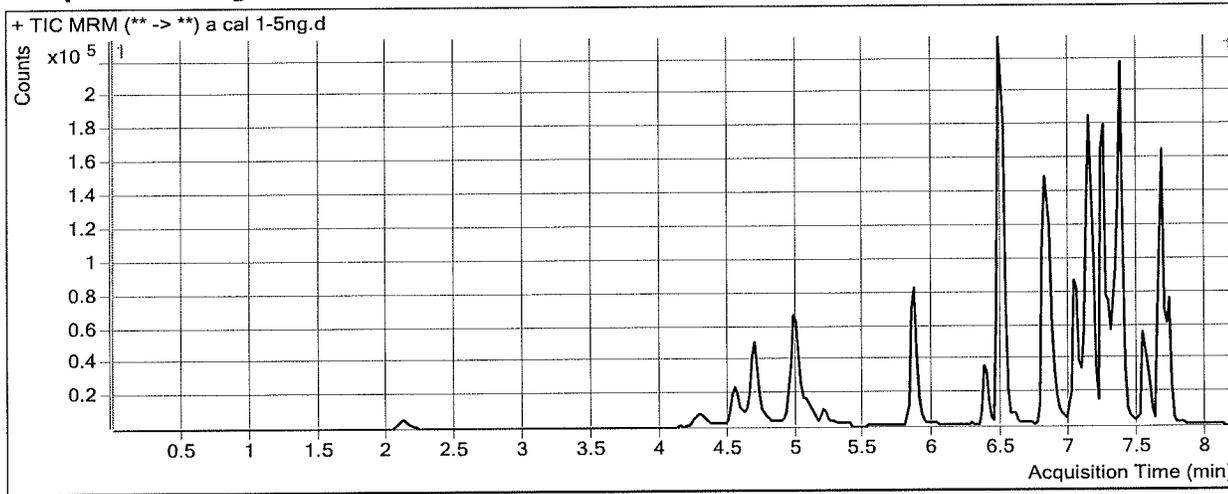
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	894	1678	0.5328	5.2842
Amphetamine	Amphetamine-D11	4.704	69121	86104	0.8028	3.9757
Methamphetamine	Methamphetamine-D11	5.082	27592	163893	0.1684	5.0541
Venlafaxine	Venlafaxine-D6	7.246	50593	468823	0.1079	4.9724
Diphenhydramine	Diphenhydramine-D3	7.372	37421	362421	0.1033	4.9843
Lorazepam	Clonazepam-D4	7.704	5821	30986	0.1879	5.1738
Alprazolam	Alprazolam-D5	7.729	17096	139735	0.1223	5.3946

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 17:15	**Data File**	a cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	a cal 2-10ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-B1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 2-10ng.d
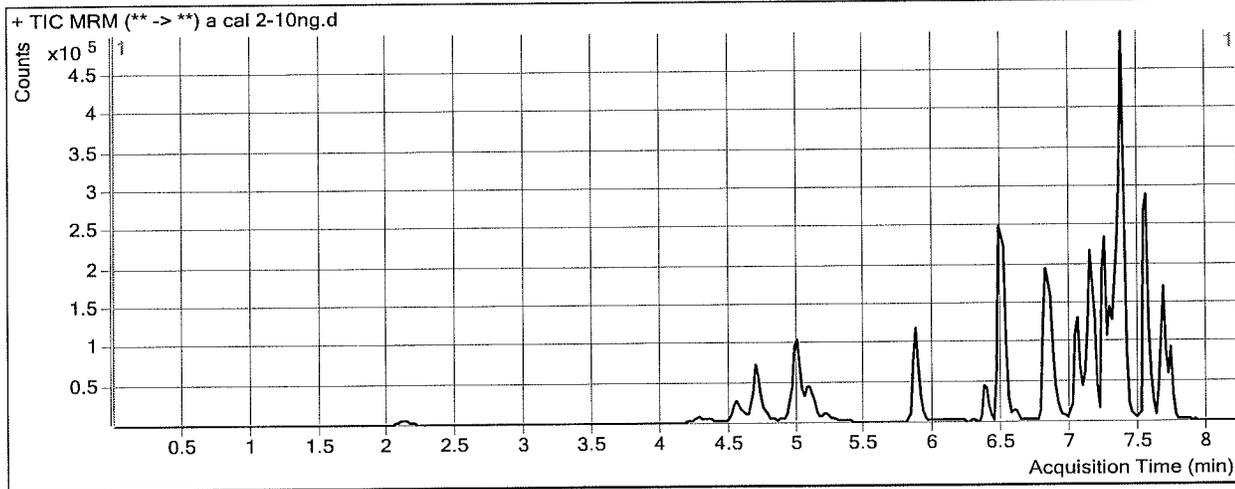
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	1719	1451	1.1841	10.7297
Amphetamine	Amphetamine-D11	4.704	140484	111122	1.2642	9.4224
Methamphetamine	Methamphetamine-D11	5.102	95724	324637	0.2949	9.5944
Venlafaxine	Venlafaxine-D6	7.246	116982	538111	0.2174	9.7546
Diphenhydramine	Diphenhydramine-D3	7.372	148388	701421	0.2116	9.8993
Lorazepam	Clonazepam-D4	7.704	10553	34042	0.3100	9.2191
Alprazolam	Alprazolam-D5	7.729	31431	129866	0.2420	9.8688

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 17:41	**Data File**	a cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	a cal 3-25ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-C1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 3-25ng.d
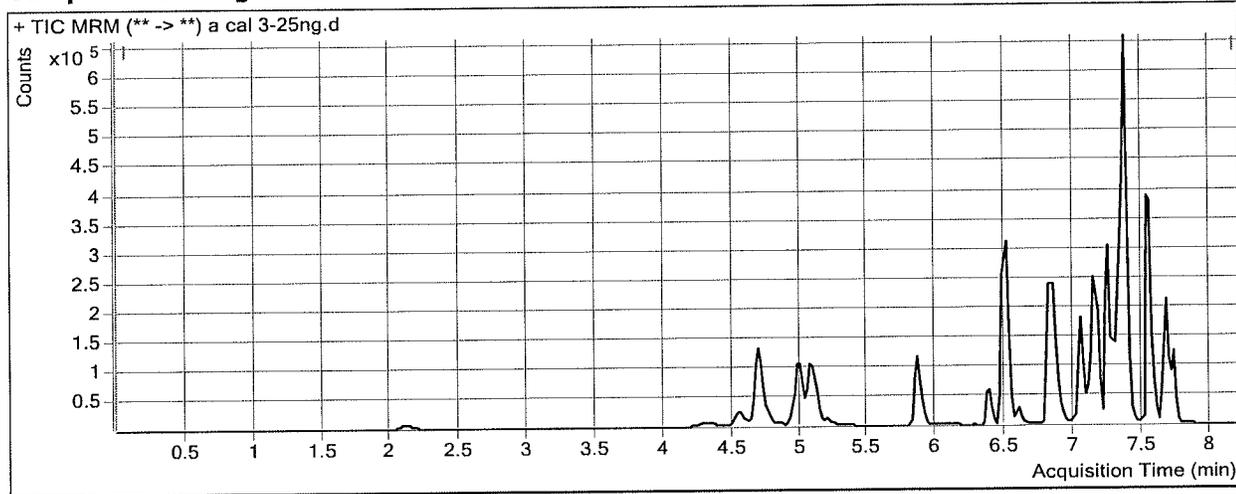
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	3725	1464	2.5455	22.1123
Amphetamine	Amphetamine-D11	4.704	309418	110242	2.8067	27.6284
Methamphetamine	Methamphetamine-D11	5.102	247517	334954	0.7390	25.5325
Venlafaxine	Venlafaxine-D6	7.246	282530	509024	0.5550	24.5037
Diphenhydramine	Diphenhydramine-D3	7.372	373468	687917	0.5429	24.9371
Lorazepam	Clonazepam-D4	7.704	20987	29524	0.7108	22.4951
Alprazolam	Alprazolam-D5	7.729	72560	121161	0.5989	23.2085

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 18:06	**Data File**	a cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	a cal 4-50ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-D1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 4-50ng.d
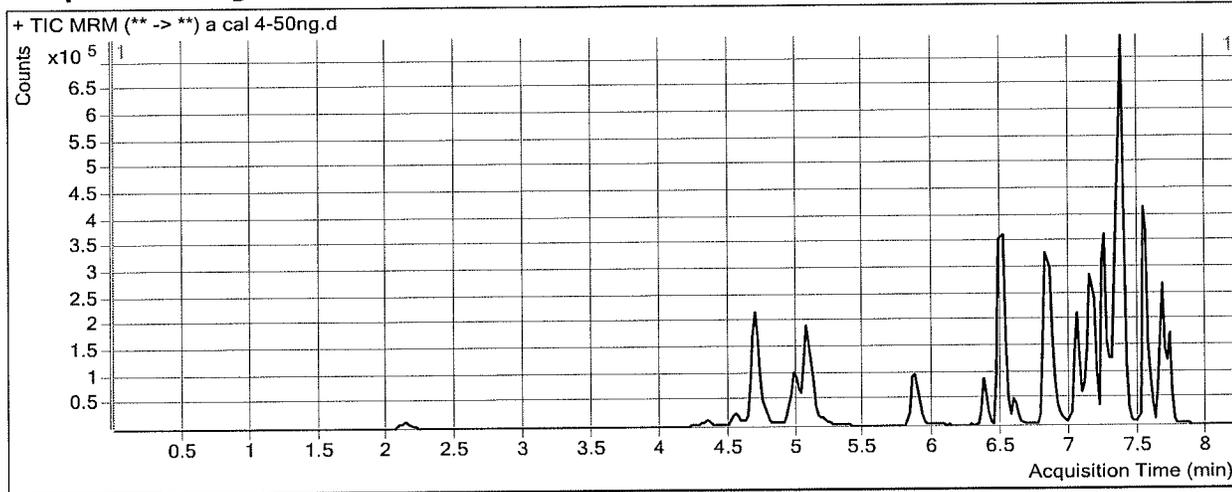
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	7056	1259	5.6064	47.7047
Amphetamine	Amphetamine-D11	4.704	516547	105786	4.8829	52.1340
Methamphetamine	Methamphetamine-D11	5.082	432216	294799	1.4661	51.6305
Venlafaxine	Venlafaxine-D6	7.246	515907	436970	1.1806	51.8311
Diphenhydramine	Diphenhydramine-D3	7.372	613840	537860	1.1413	52.0934
Lorazepam	Clonazepam-D4	7.704	36815	25142	1.4643	47.4501
Alprazolam	Alprazolam-D5	7.729	130359	98410	1.3247	50.3399

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 18:31	**Data File**	a cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	a cal 5-100ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-E1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 5-100ng.d
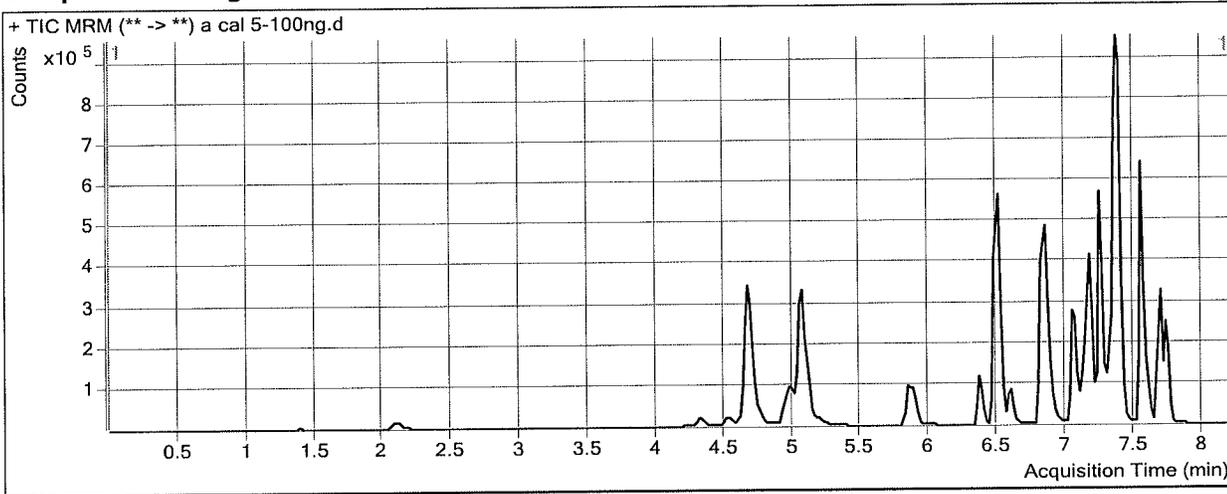
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	12069	1035	11.6600	98.3189
Amphetamine	Amphetamine-D11	4.684	896833	90348	9.9264	111.6621
Methamphetamine	Methamphetamine-D11	5.082	795733	267260	2.9774	105.8676
Venlafaxine	Venlafaxine-D6	7.246	891830	388562	2.2952	100.5168
Diphenhydramine	Diphenhydramine-D3	7.392	1024366	469851	2.1802	99.2443
Lorazepam	Clonazepam-D4	7.704	57008	17938	3.1781	104.2130
Alprazolam	Alprazolam-D5	7.729	222958	84652	2.6338	99.2795

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 18:57	**Data File**	a cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	a cal 6-250ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-F1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 6-250ng.d
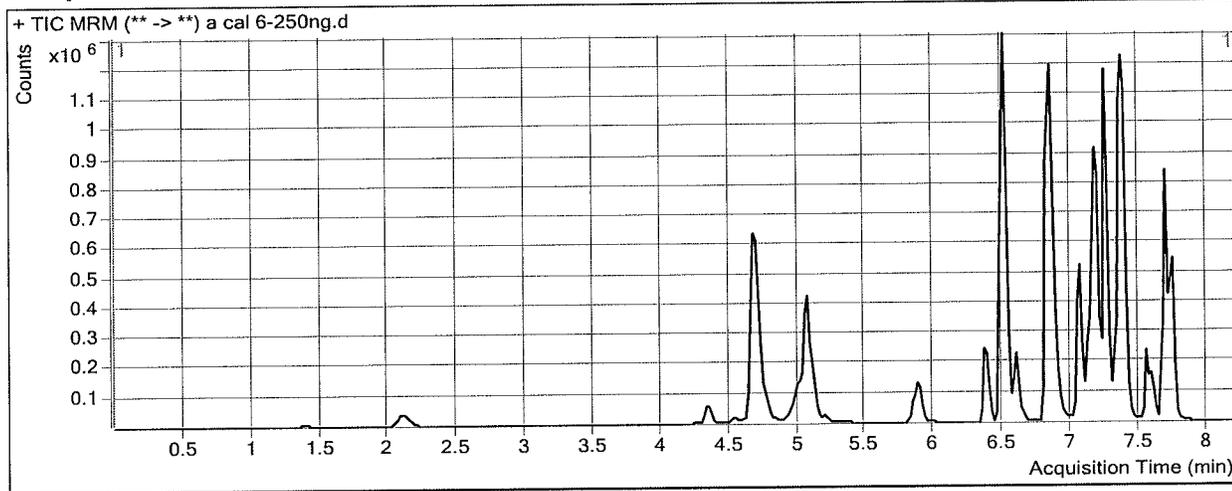
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	27854	912	30.5466	256.2302
Amphetamine	Amphetamine-D11	4.684	1594010	74971	21.2617	245.4536
Methamphetamine	Methamphetamine-D11	5.082	962826	142080	6.7767	242.2212
Venlafaxine	Venlafaxine-D6	7.246	2294160	397724	5.7682	252.2241
Diphenhydramine	Diphenhydramine-D3	7.392	1504856	280022	5.3741	244.1952
Lorazepam	Clonazepam-D4	7.725	126111	14886	8.4719	279.5507
Alprazolam	Alprazolam-D5	7.749	604028	92753	6.5122	244.2641

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 19:22	**Data File**	a cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	a cal 7-500ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-G1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 7-500ng.d
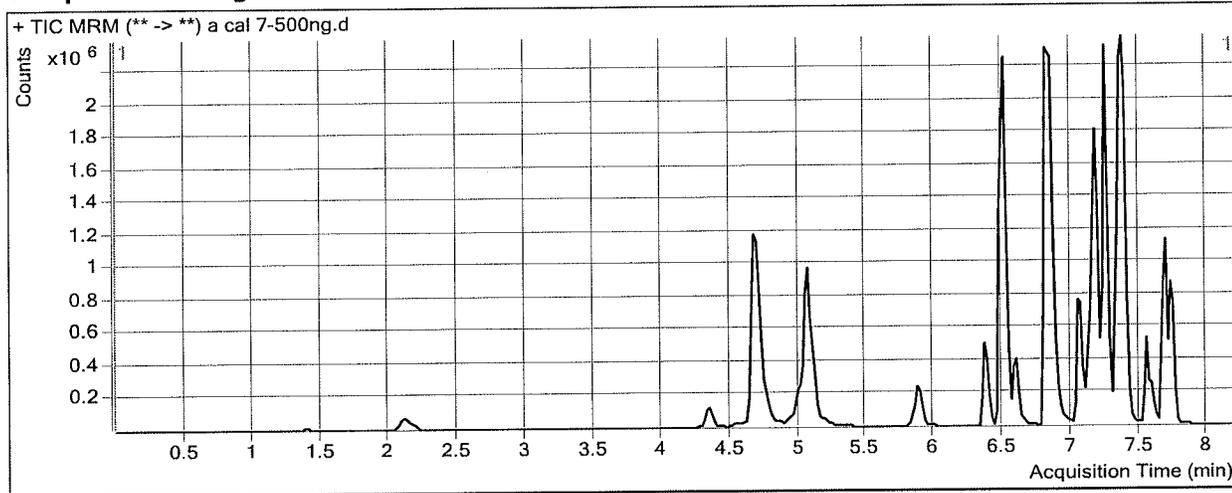
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	45503	727	62.5578	523.8760
Amphetamine	Amphetamine-D11	4.684	3037885	87188	34.8428	405.7515
Methamphetamine	Methamphetamine-D11	5.082	2344040	171478	13.6697	489.6061
Venlafaxine	Venlafaxine-D6	7.246	4866441	422808	11.5098	503.0262
Diphenhydramine	Diphenhydramine-D3	7.392	3334946	304298	10.9595	497.6833
Lorazepam	Clonazepam-D4	7.704	162426	9550	17.0084	562.2884
Alprazolam	Alprazolam-D5	7.749	1039192	74601	13.9300	521.5603

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1a.batch.bin		
Analysis Time	1/3/2019 9:27 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:36 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:27 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 19:48	**Data File**	a cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	a cal 8-1000ng
Dilution	1	**Acq Method**	a1 mdq 618.m
Position	P2-H1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) a cal 8-1000ng.d
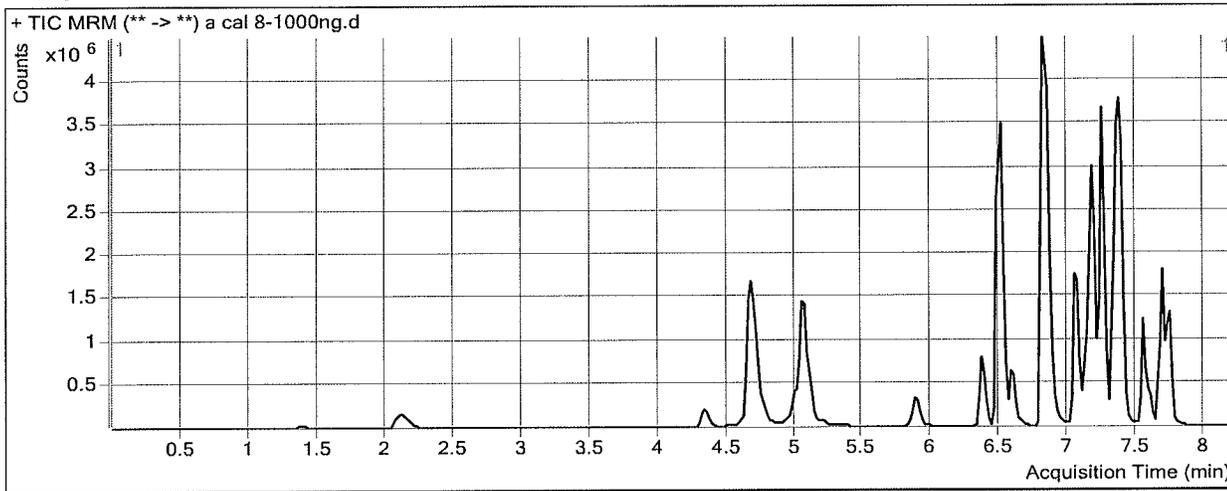
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	127070	1090	116.6025	975.7440
Amphetamine	Amphetamine-D11	4.684	4345681	81629	53.2369	622.8579
Methamphetamine	Methamphetamine-D11	5.082	3614699	133734	27.0291	969.0659
Venlafaxine	Venlafaxine-D6	7.246	8312023	365675	22.7306	993.1710
Diphenhydramine	Diphenhydramine-D3	7.392	5343244	241448	22.1300	1004.6465
Lorazepam	Clonazepam-D4	7.725	250906	9126	27.4948	909.6098
Alprazolam	Alprazolam-D5	7.749	1677324	63640	26.3563	986.0842

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 20:26	**Data File**	b Negative control.d
Sample Type	Sample	**Sample Name**	b Negative control
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-E2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1, negative

Sample Chromatogram

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin			
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox	
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox	
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed	

Analysis Info
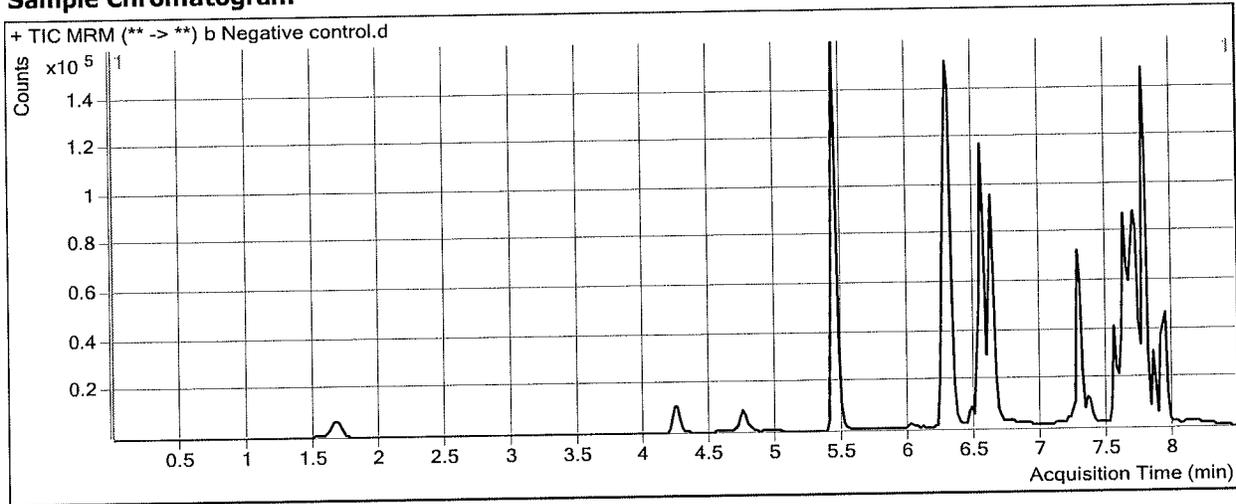
Acq Time	2019-01-02 20:51	**Data File**	b external control.d
Sample Type	Sample	**Sample Name**	b external control
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-F2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28: external control p1

Sample Chromatogram
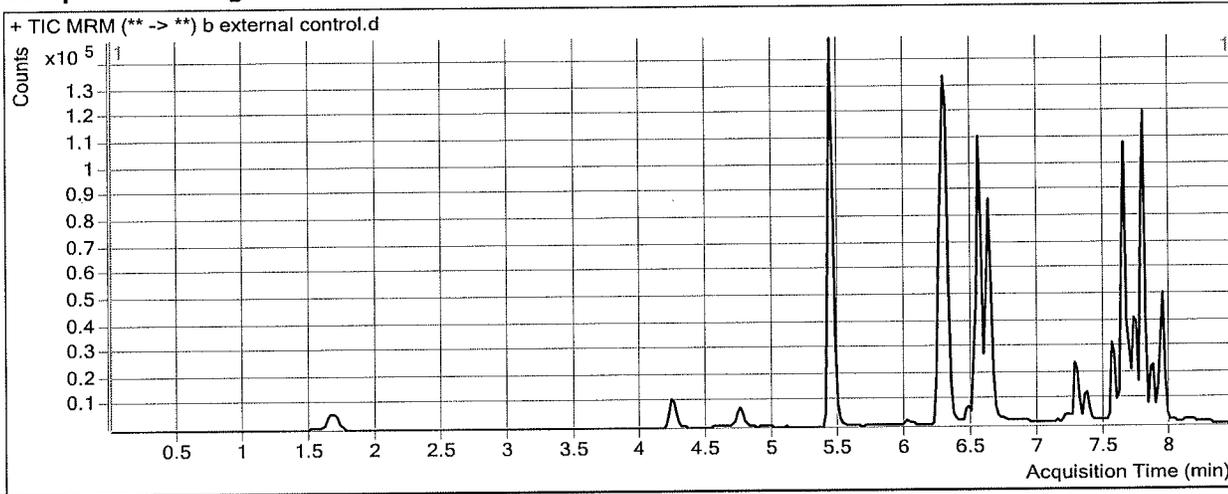
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Methadone	Methadone-D9	7.641	73578	103968	0.7077	39.2650
Sertraline	Sertraline-D3	7.764	4137	4795	0.8628	37.2016

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 21:17	**Data File**	b QC 10.d
Sample Type	QC	**Sample Name**	b QC 10
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-A2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b QC 10.d
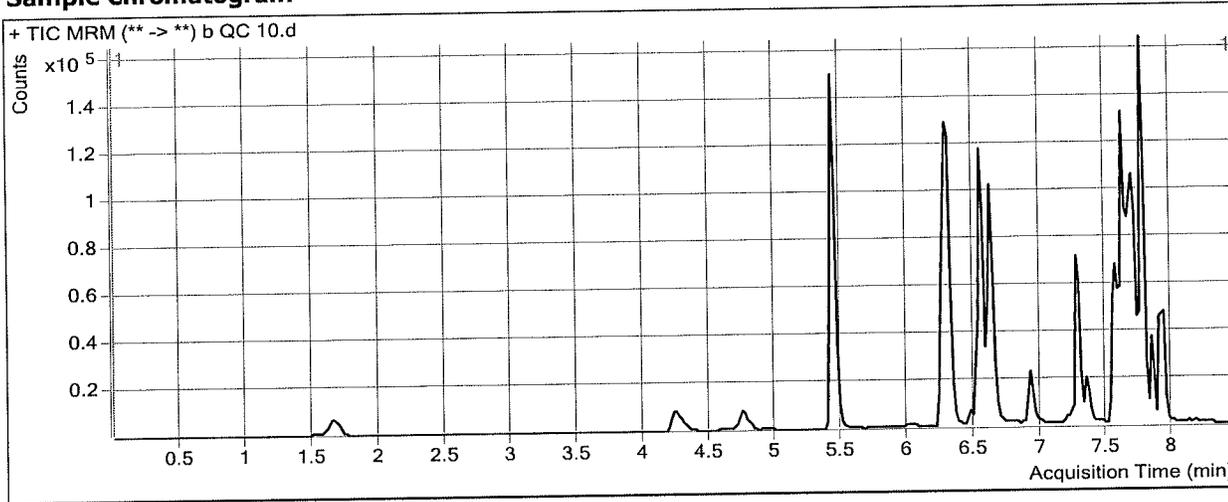
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	15856	84584	0.1875	8.7352
Methadone	Methadone-D9	7.621	36569	205686	0.1778	10.1813
Sertraline	Sertraline-D3	7.744	10107	45662	0.2213	10.2473

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 01:55	**Data File**	b qc 100.d
Sample Type	QC	**Sample Name**	b qc 100
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-B2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram
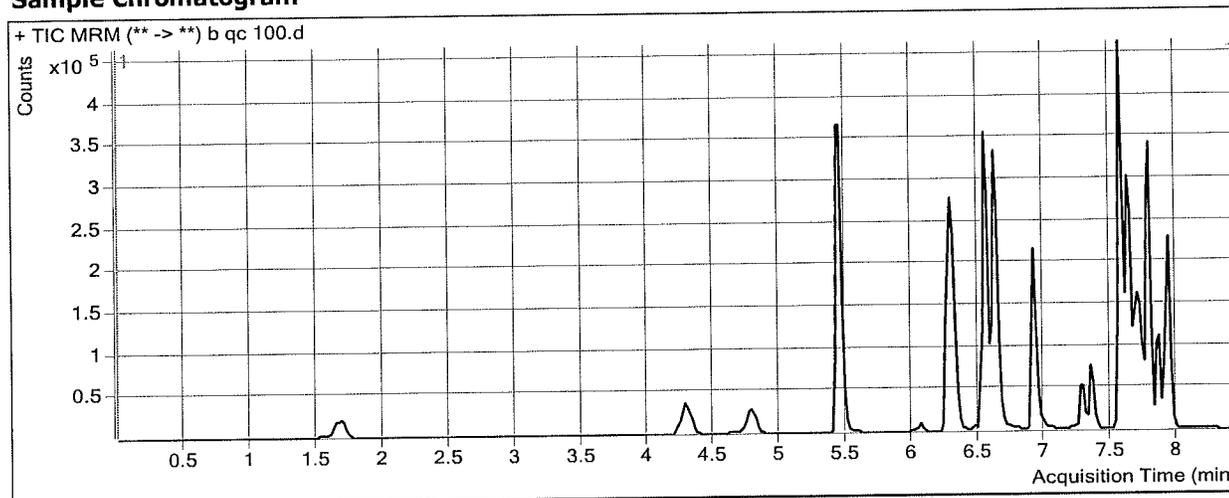
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	102490	43058	2.3803	102.7237
Methadone	Methadone-D9	7.641	278686	154238	1.8069	99.5911
Sertraline	Sertraline-D3	7.764	55762	23049	2.4193	102.6077

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 02:46	**Data File**	b QC 250.d
Sample Type	QC	**Sample Name**	b QC 250
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-C2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b QC 250.d
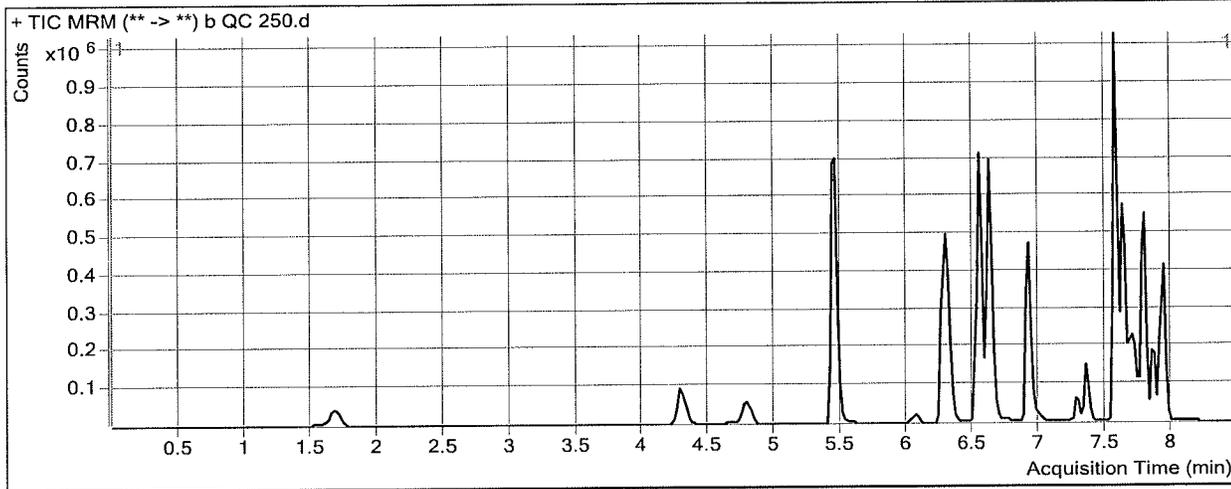
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	212105	31371	6.7611	290.4943
Methadone	Methadone-D9	7.621	593941	127935	4.6425	255.2239
Sertraline	Sertraline-D3	7.764	94368	14972	6.3030	265.8030

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-03 03:11	**Data File**	b qc 1000.d
Sample Type	QC	**Sample Name**	b qc 1000
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-D2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b qc 1000.d
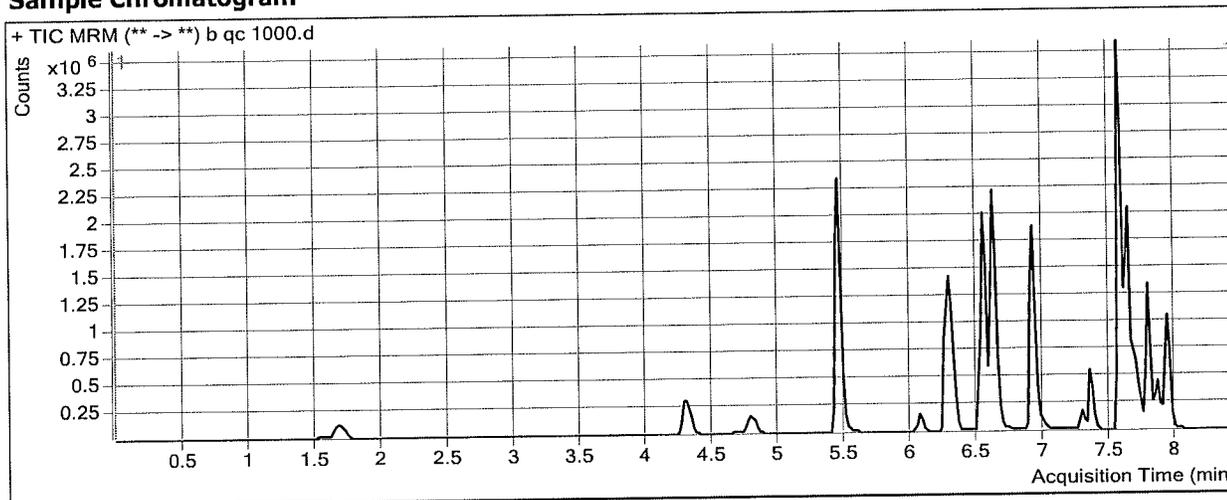
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	672467	29282	22.9652	985.0293
Methadone	Methadone-D9	7.641	2424555	134971	17.9635	986.3290
Sertraline	Sertraline-D3	7.764	238438	9410	25.3381	1065.6683

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin

Last Calib Update   1/3/2019 9:33 AM   **Analyst Name**   ISP TOX

Target Compound   *Cyclobenzaprine*

Internal Standard   *Cyclobenzaprine-D3*

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

$y = 0.023331 * x - 0.016338$

$R^2 = 0.99500961$

Type:Linear, Origin:Ignore, Weight:1/x^2
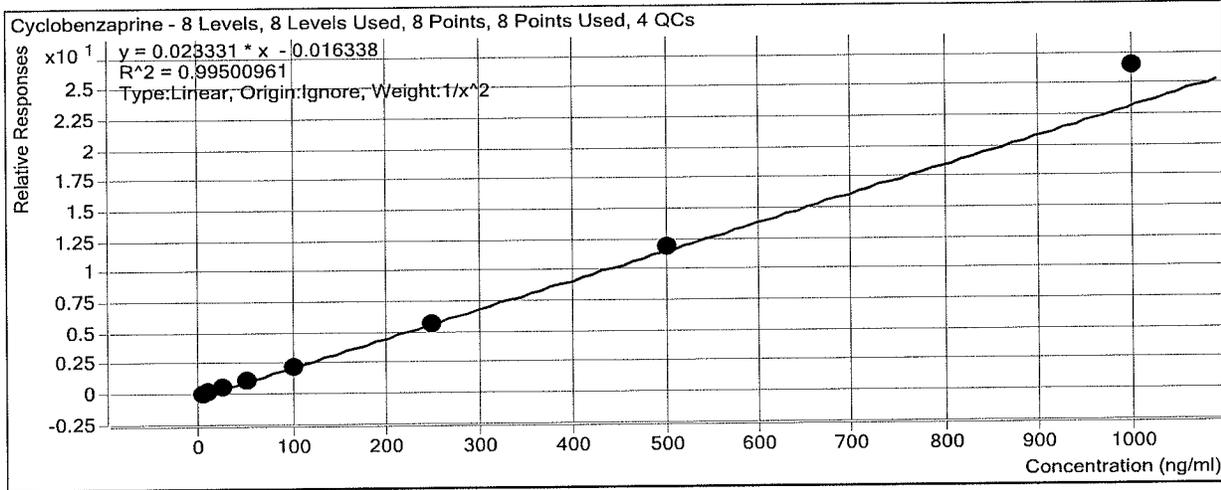
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.2	103.1
b cal 2-10ng	2	☑	10	9.7	96.9
b QC 10	2	☑	10	8.7	87.4
b cal 3-25ng	3	☑	25	23.9	95.4
b cal 4-50ng	4	☑	50	47.9	95.8
b cal 5-100ng	5	☑	100	94.8	94.8
b qc 100	5	☑	100	102.7	102.7
b cal 6-250ng	6	☑	250	248.3	99.3
b QC 250	6	☑	250	290.5	116.2
b cal 7-500ng	7	☑	500	506.6	101.3
b cal 8-1000ng	8	☑	1000	1133.3	113.3
b qc 1000	8	☑	1000	985.0	98.5

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin

Last Calib Update   1/3/2019 9:33 AM   **Analyst Name**   ISP TOX

Target Compound   *Methadone*

Internal Standard   *Methadone-D9*

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

$y = 0.018220 * x - 0.007717$
$R^2 = 0.99974291$
Type:Linear, Origin:Ignore, Weight:1/x
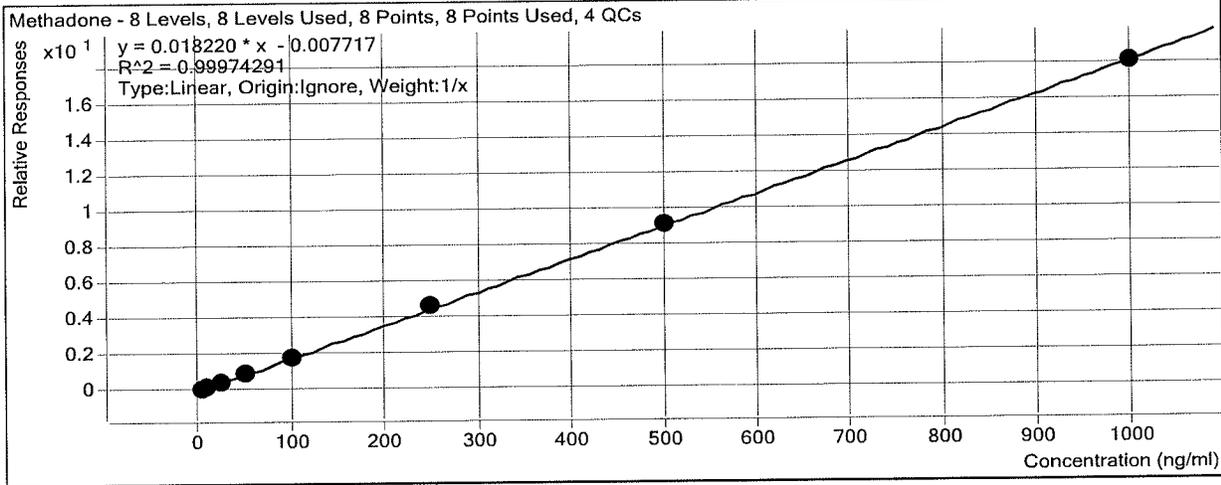
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.6	91.7
b cal 2-10ng	2	☑	10	10.5	104.9
b QC 10	2	☑	10	10.2	101.8
b cal 3-25ng	3	☑	25	24.0	96.0
b cal 4-50ng	4	☑	50	52.8	105.7
b cal 5-100ng	5	☑	100	100.2	100.2
b qc 100	5	☑	100	99.6	99.6
b cal 6-250ng	6	☑	250	255.8	102.3
b QC 250	6	☑	250	255.2	102.1
b cal 7-500ng	7	☑	500	499.7	99.9
b cal 8-1000ng	8	☑	1000	992.3	99.2
b qc 1000	8	☑	1000	986.3	98.6

ISP Forensics
Calibration Curve Report

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin
Last Calib Update   1/3/2019 9:33 AM   **Analyst Name**   ISP TOX

Target Compound   *Sertraline*
Internal Standard   *Sertraline-D3*

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

$y = 0.023798 * x - 0.022515$
$R^2 = 0.99903555$
Type:Linear, Origin:Ignore, Weight:1/x
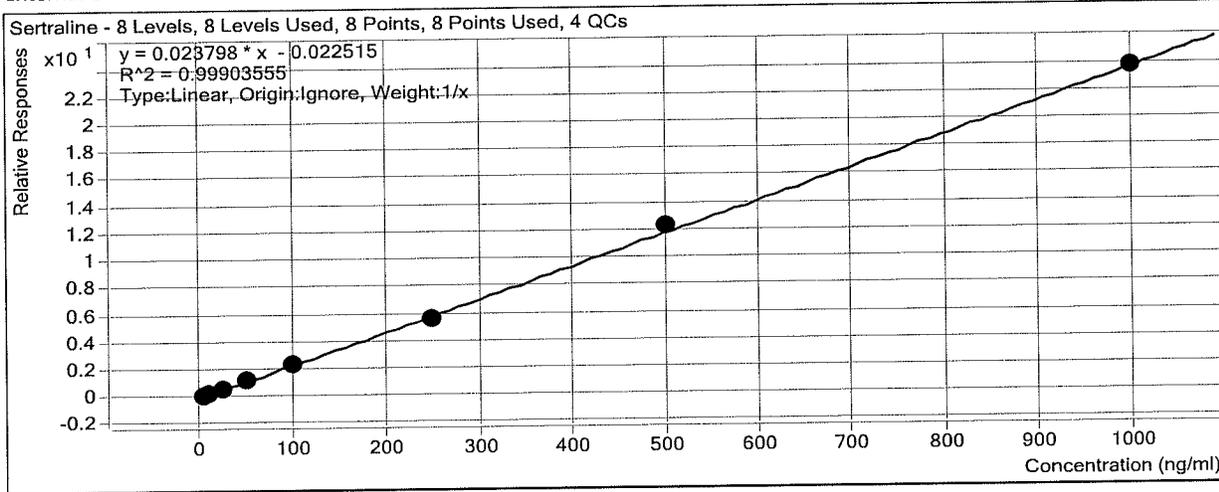
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.3	105.6
b cal 2-10ng	2	☑	10	9.7	96.6
b QC 10	2	☑	10	10.2	102.5
b cal 3-25ng	3	☑	25	24.3	97.1
b cal 4-50ng	4	☑	50	51.1	102.3
b cal 5-100ng	5	☑	100	101.6	101.6
b qc 100	5	☑	100	102.6	102.6
b cal 6-250ng	6	☑	250	234.3	93.7
b QC 250	6	☑	250	265.8	106.3
b cal 7-500ng	7	☑	500	517.5	103.5
b cal 8-1000ng	8	☑	1000	996.3	99.6
b qc 1000	8	☐	1000	1065.7	106.6

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 17:02	**Data File**	b cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	b cal 1-5ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram
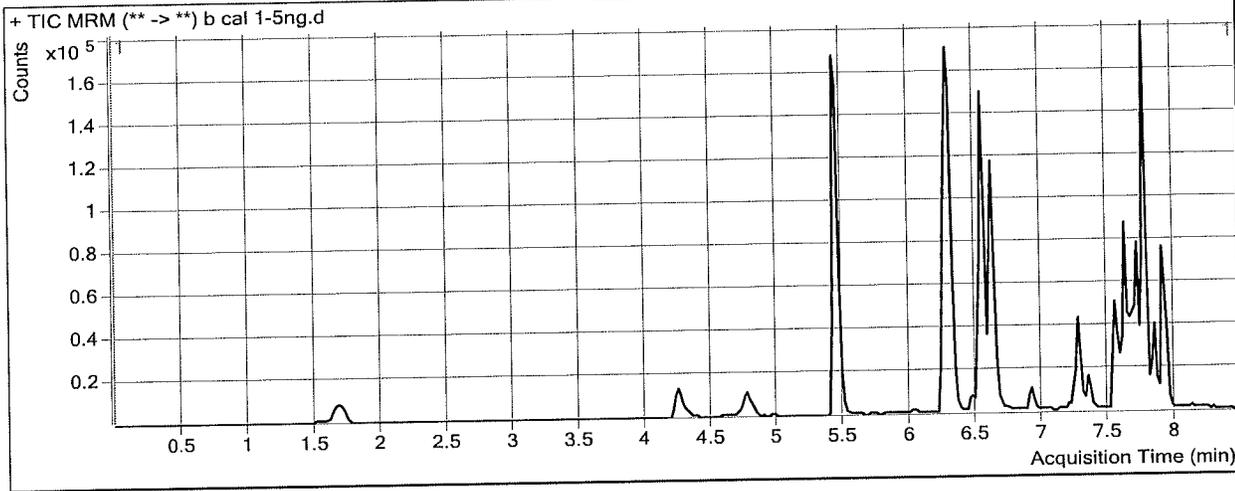
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.590	3786	36433	0.1039	5.1549
Methadone	Methadone-D9	7.621	11979	157988	0.0758	4.5850
Sertraline	Sertraline-D3	7.744	1655	16041	0.1032	5.2813

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 17:28	**Data File**	b cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	b cal 2-10ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-B1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 2-10ng.d
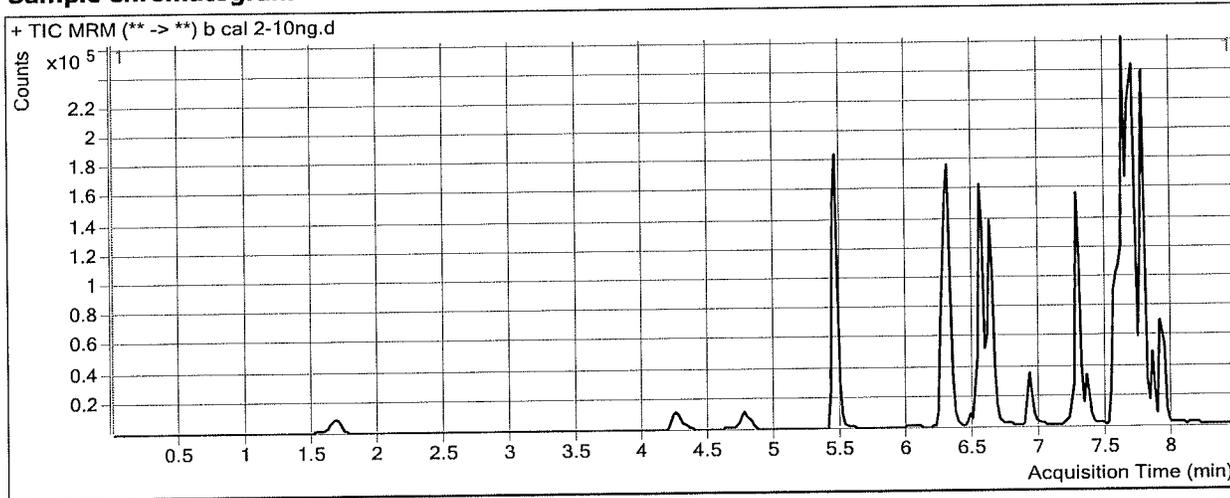
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	40087	191220	0.2096	9.6857
Methadone	Methadone-D9	7.621	71307	388783	0.1834	10.4899
Sertraline	Sertraline-D3	7.744	23731	114503	0.2073	9.6551

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 17:53	**Data File**	b cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	b cal 3-25ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-C1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 3-25ng.d
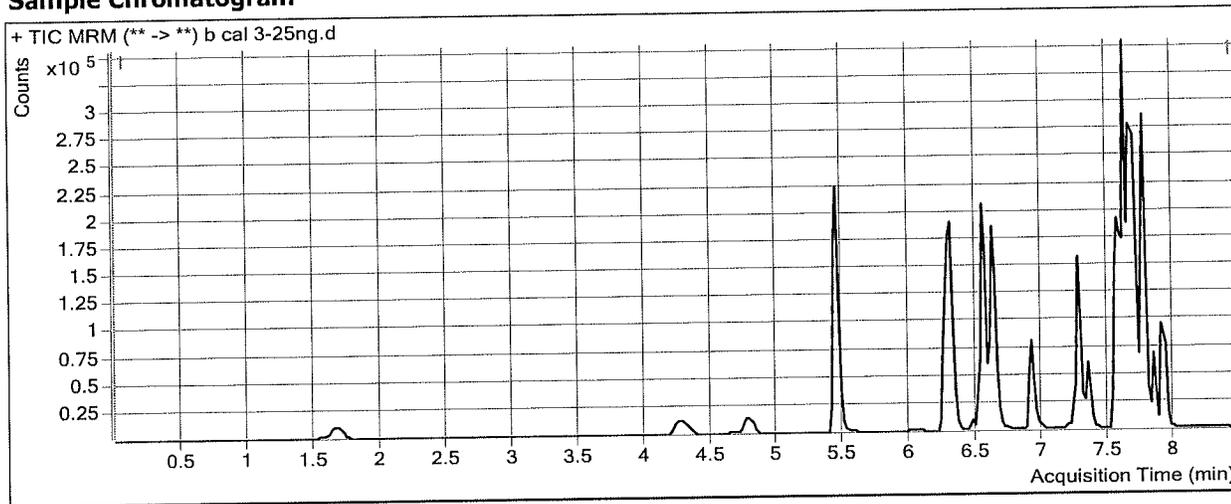
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	99877	184877	0.5402	23.8557
Methadone	Methadone-D9	7.621	163006	379381	0.4297	24.0051
Sertraline	Sertraline-D3	7.744	61559	110843	0.5554	24.2831

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 18:19	**Data File**	b cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	b cal 4-50ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-D1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram
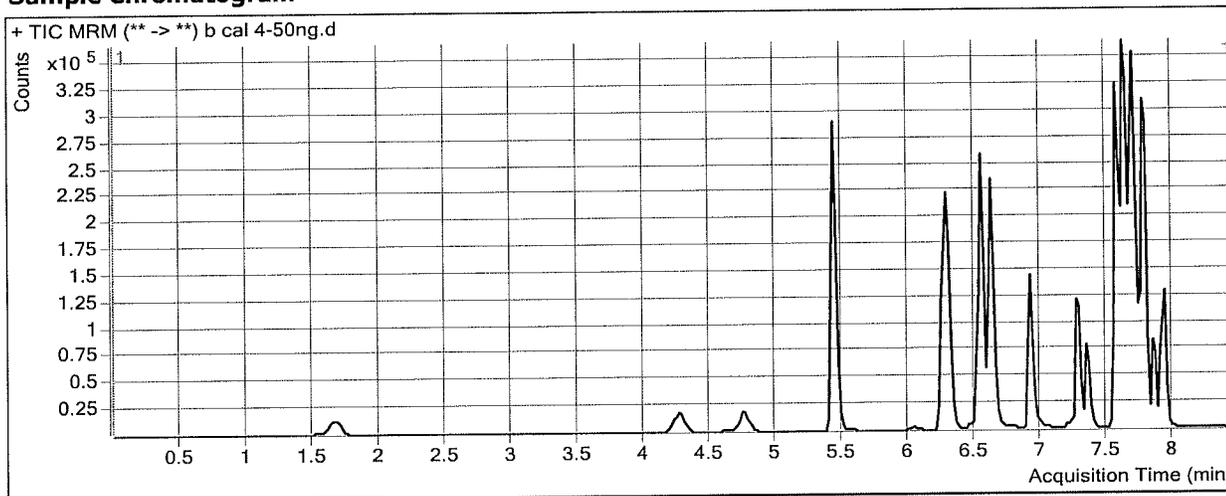
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	153971	139795	1.1014	47.9084
Methadone	Methadone-D9	7.641	286140	299600	0.9551	52.8418
Sertraline	Sertraline-D3	7.764	99341	83174	1.1944	51.1345

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 18:44	**Data File**	b cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	b cal 5-100ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-E1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 5-100ng.d
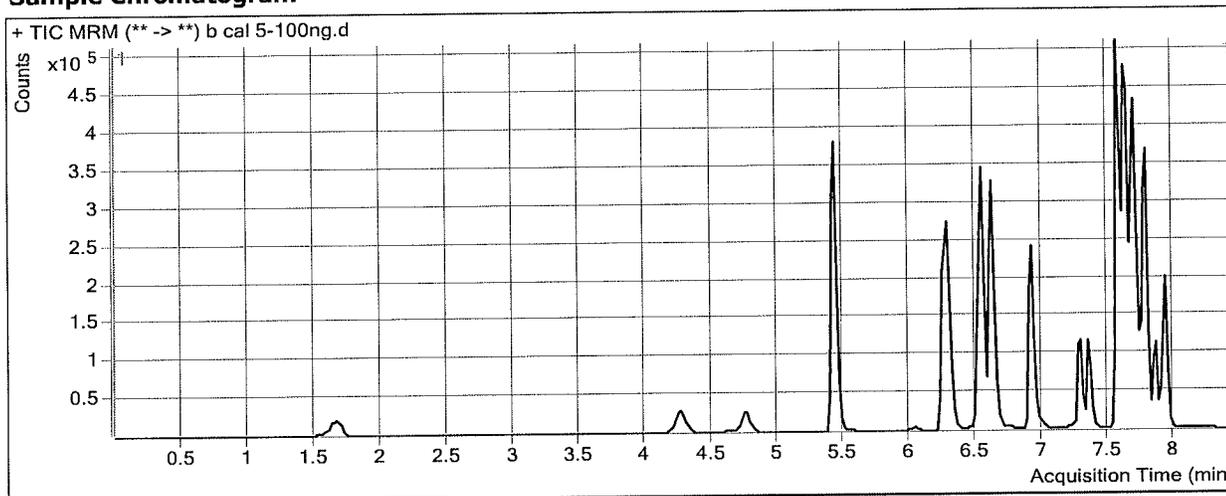
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	254393	115822	2.1964	94.8425
Methadone	Methadone-D9	7.641	458880	252457	1.8177	100.1837
Sertraline	Sertraline-D3	7.764	154717	64607	2.3947	101.5742

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 19:10	**Data File**	b cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	b cal 6-250ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-F1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 6-250ng.d
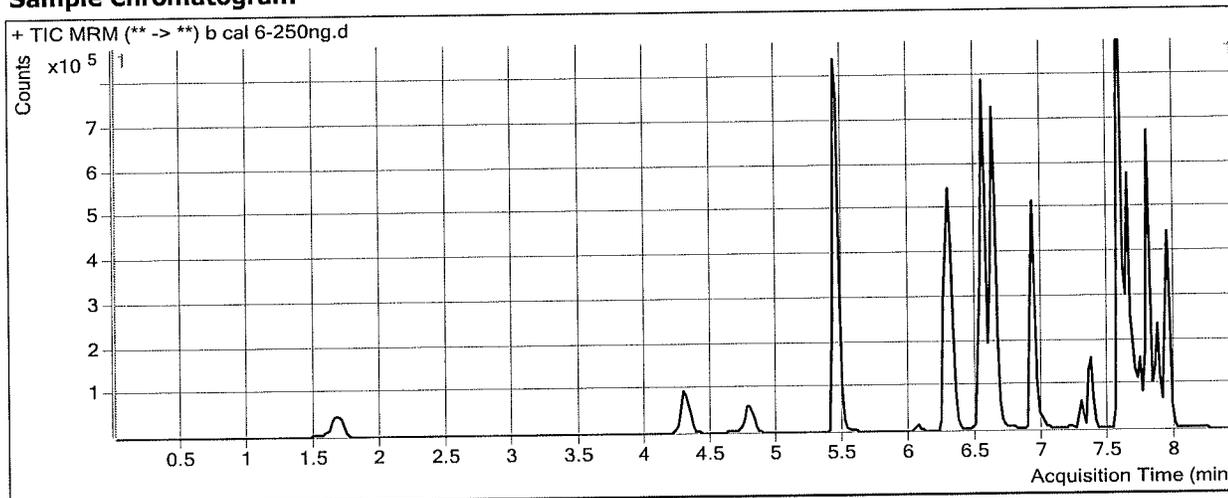
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	121844	21095	5.7759	248.2677
Methadone	Methadone-D9	7.641	506026	108734	4.6538	255.8424
Sertraline	Sertraline-D3	7.764	27875	5019	5.5535	234.3056

Batch Data Path   D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time   1/3/2019 9:33 AM   **Analyst Name**   ISP Tox
Report Time   1/3/2019 9:34 AM   **Reporter Name**   ISP Tox
Last Calib Update   1/3/2019 9:33 AM   **Batch State**   Processed

Analysis Info

Acq Time   2019-01-02 19:35   **Data File**   b cal 7-500ng.d
Sample Type   Calibration   **Sample Name**   b cal 7-500ng
Dilution   1   **Acq Method**   b1 mdq 618.m
Position   P2-G1   **Sample Info**
Inj Vol   -1   **Comment**   AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 7-500ng.d
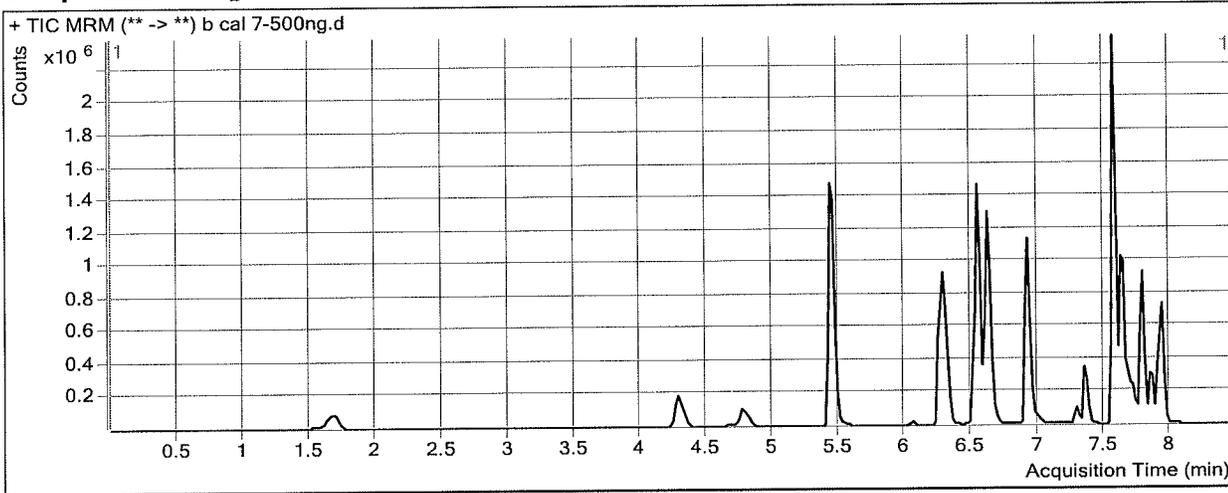
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	280512	23765	11.8037	506.6298
Methadone	Methadone-D9	7.641	1298437	142731	9.0971	499.7092
Sertraline	Sertraline-D3	7.764	77131	6275	12.2924	517.4798

Batch Data Path	D:\2018 Data\010219 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/3/2019 9:33 AM	**Analyst Name**	ISP Tox
Report Time	1/3/2019 9:34 AM	**Reporter Name**	ISP Tox
Last Calib Update	1/3/2019 9:33 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-01-02 20:01	**Data File**	b cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	b cal 8-1000ng
Dilution	1	**Acq Method**	b1 mdq 618.m
Position	P2-H1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 1

Sample Chromatogram

+ TIC MRM (** -> **) b cal 8-1000ng.d
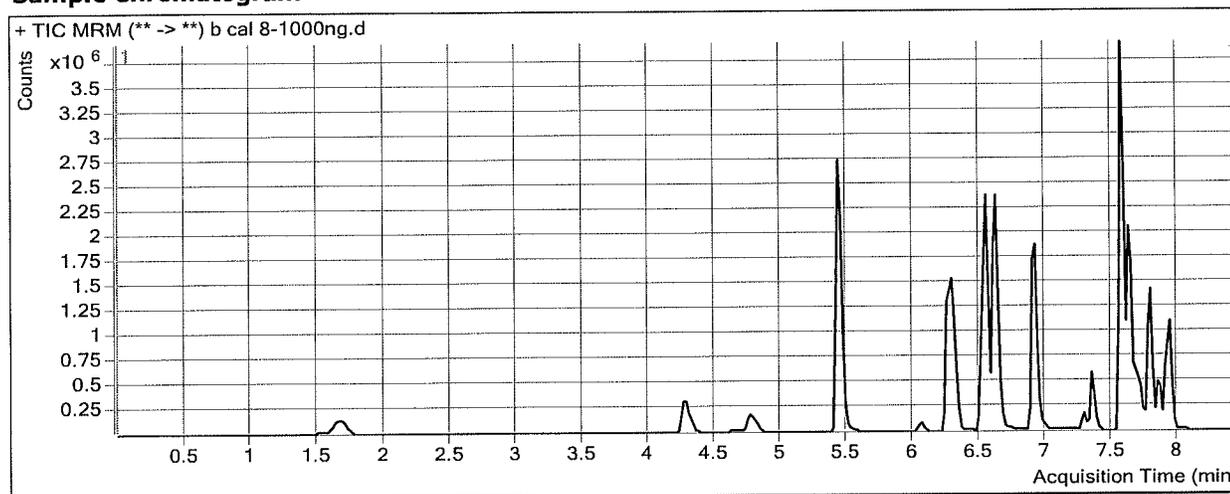
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	674236	25515	26.4246	1133.3074
Methadone	Methadone-D9	7.621	2383785	131897	18.0730	992.3428
Sertraline	Sertraline-D3	7.764	208583	8806	23.6870	996.2864