































Bylee

Worklist: 1743

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0822	1	85925	AM 28 Blood Multi-Drug Quant	
C2017-0845	1	85926	AM 28 Blood Multi-Drug Quant	
C2017-0855	1	85927	AM 28 Blood Multi-Drug Quant	
C2017-0856	1	85928	AM 28 Blood Multi-Drug Quant	
C2017-0857	1	85929	AM 28 Blood Multi-Drug Quant	
C2017-0891	1	85930	AM 28 Blood Multi-Drug Quant	
C2017-0895	1	85931	AM 28 Blood Multi-Drug Quant	
C2017-0905	1	85932	AM 28 Blood Multi-Drug Quant	
C2017-0917	1	85933	AM 28 Blood Multi-Drug Quant	
C2017-0919	1	85934	AM 28 Blood Multi-Drug Quant	
C2017-0920	1	85935	AM 28 Blood Multi-Drug Quant	
C2017-0945	1	85936	AM 28 Blood Multi-Drug Quant	
C2017-0957	1	85937	AM 28 Blood Multi-Drug Quant	
C2017-0994	1	85947	AM 28 Blood Multi-Drug Quant	
M2017 1799	1	85938	AM 28 Blood Multi Drug Quant	
M2017-1841	1	85939	AM 28 Blood Multi-Drug Quant	
M2017-1888	1	85940	AM 28 Blood Multi-Drug Quant	
M2017-1917	1	85941	AM 28 Blood Multi-Drug Quant	
M2017-1918	1	85942	AM 28 Blood Multi-Drug Quant	
M2017-2047	1	85946	AM 28 Blood Multi-Drug Quant	
M2017-2049	5	85943	AM 28 Blood Multi-Drug Quant	
M2017-2121	2	85944	AM 28 Blood Multi-Drug Quant	
M2017-2187	2	85945	AM 28 Blood Multi-Drug Quant	



Worklist: 1734

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2017-1918	1	85292	AM 25/AM 26 Blood MultiDrug/	
M2017-2006	1	84881	AM 25/AM 26 Blood MultiDrug/	
M2017-2047	1	85412	AM 25/AM 26 Blood MultiDrug/	
M2017-2049	5	84883	AM 25/AM 26 Blood MultiDrug/	
M2017-2121	2	84621	AM 25/AM 26 Blood MultiDrug/	
M2017-2187	2	84894	AM 25/AM 26 Blood MultiDrug/	
M2017-2344	5	85414	AM 25/AM 26 Blood MultiDrug/	



Multi-Drug Quantitation in Blood by LC-MS/MS

Date: 5-30-17

Analyst: Anne Nord

PRE-ANALYTIC

Plate Lot# 0498367

Plate Exp. 1/26/2018

- ✓ 1. Ensure all solutions are within expiration date.

Mobile Phase A:

0.5M Ammonium Hydroxide

5mM Amm Form +0.01% FA

Mobile Phase B:

Ethyl Acetate

0.01% FA in MeOH

20% Methanol

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

- ✓ 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.

- ✓ 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.

- ✓ 4. Create worklist. Data path name: 53117 Mdq pl

ANALYTIC

- ✓ 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.

- ✓ 2. Pipette **250 µL blood** in wells of analytical (standards) plate. Mix via aspirate and dispense.

- Blank blood for locations containing standards/QCs and internal standards
- Sample blood for locations containing only internal standards

- ✓ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759

- ✓ 4. Pipette **250 µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) plate.

- ✓ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.

- ✓ 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.

- ✓ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100PSI- Selector to Right) Wait 5 min.

- ✓ 8. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.

- ✓ 9. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI - Selector to the left)**

- ✓ 10. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.

- ✓ 11. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI - Selector to the left)**

12. Remove plate containing eluate. Place on **SPE Dry** and evaporate to dryness at approx. 35°C.
SPE Dry ID 66819

- ✓ 13. Reconstitute in **100 µL 20% MeOH** and seal plate with foil. Place in autosampler and run worklist.

POST-ANALYTIC

- ✓ 1. Open quantitation software and create a new quantitation batch.

Batch name: 53117 Mdq pl a, 53117 Mdq pl b

- ✓ 2. Make any necessary changes. Limit curves based on validated linear ranges.

- ✓ 3. Were all appropriate standards used in the curve for each analyte? Y / N

Are r^2 values ≥ 0.98 for each analyte? Y / N

- ✓ 4. For unknown samples, are the response ratios for each analyte within $\pm 20\%$ of the average ratios of the standards and QC's? Y / N

- ✓ 5. Did all QCs pass for each analyte? Y / N

- ✓ 6. Central File Packet to include: LIMS Worklist: Method Checklist Calibration and Control Reports

COMMENTS:

hydromorphone was not evaluated - retention time shifts too great.
Nor buprenorphine was not evaluated poor signal to noise.

Linear range adjustments

Lorazepam minimum 25

Methamphetamine minimum 10

Morphine minimum 25

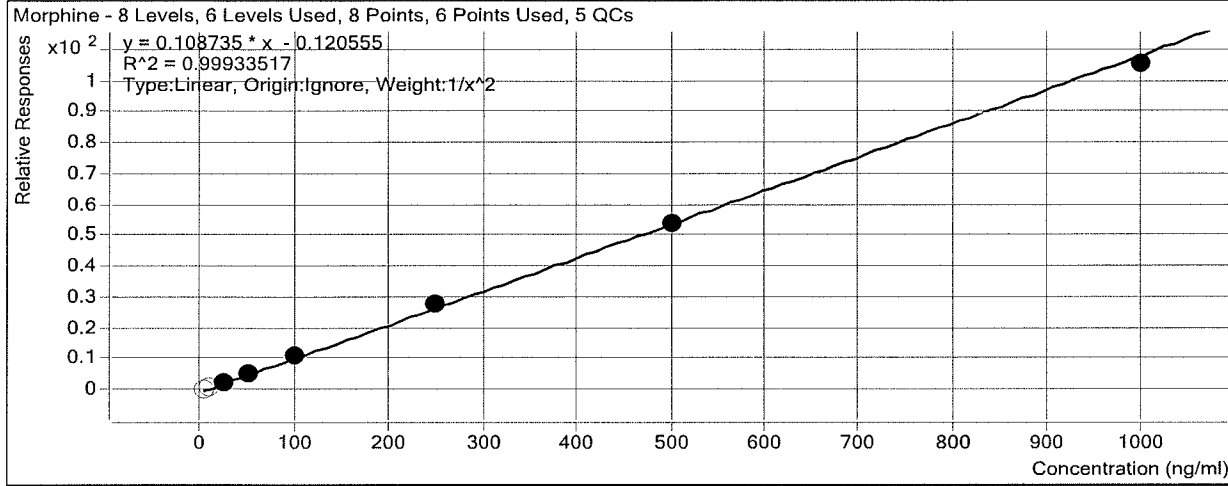
Norhydrocodone minimum 10

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



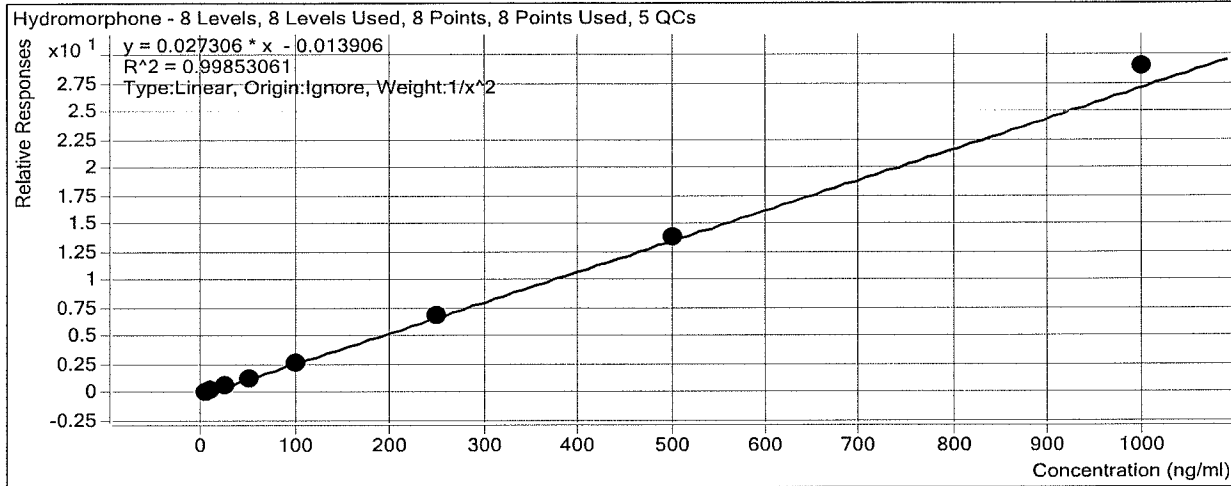
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	5.6	112.4
a cal 2-10ng/mL	2	<input type="checkbox"/>	10	10.4	103.6
a QC 10	2	<input checked="" type="checkbox"/>	10	7.8	78.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	244.0	97.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	497.4	99.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	968.4	96.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1053.8	105.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound *Hydromorphone*
Internal Standard *Hydromorphone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	115.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.8	95.4
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.3	98.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	247.9	99.1
a QC 250	6	<input checked="" type="checkbox"/>	250	266.0	106.4
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	510.3	102.1
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1060.4	106.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1111.0	111.1

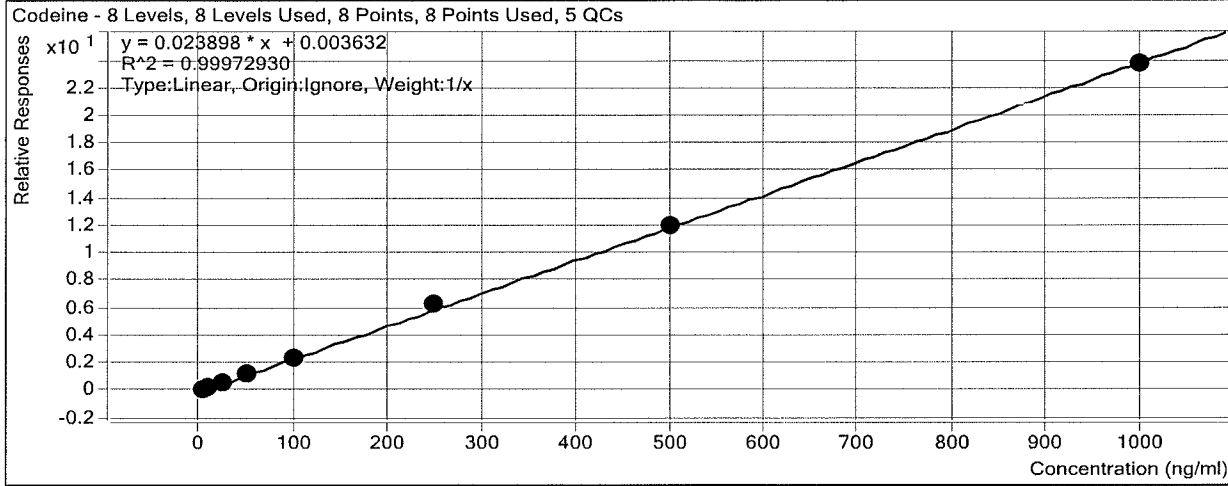
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Codeine*
Internal Standard *Codeine-D6*



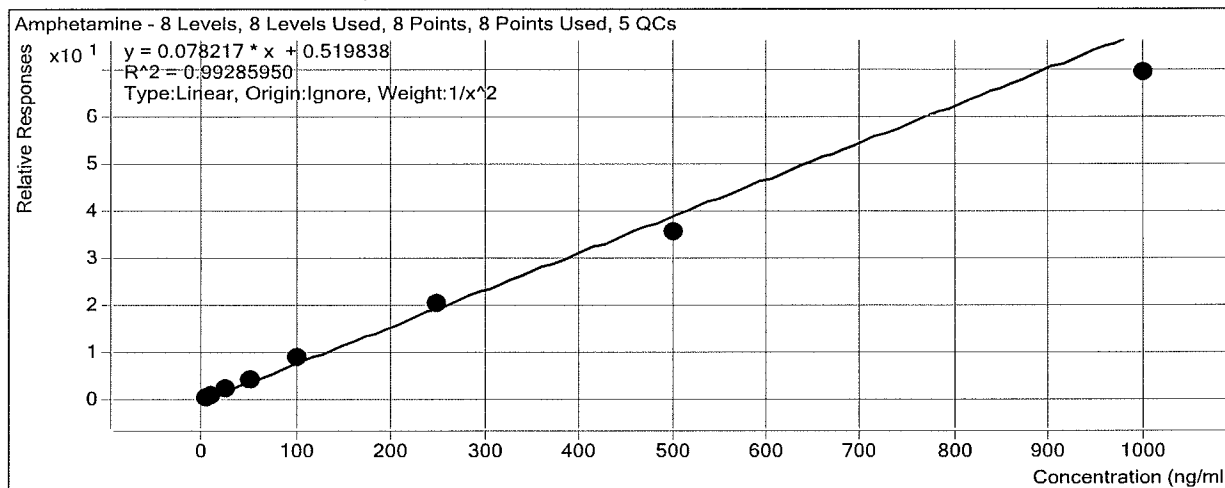
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.5	97.1
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	91.0	91.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	259.3	103.7
a QC 250	6	<input checked="" type="checkbox"/>	250	255.3	102.1
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	501.7	100.3
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	991.0	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1014.7	101.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



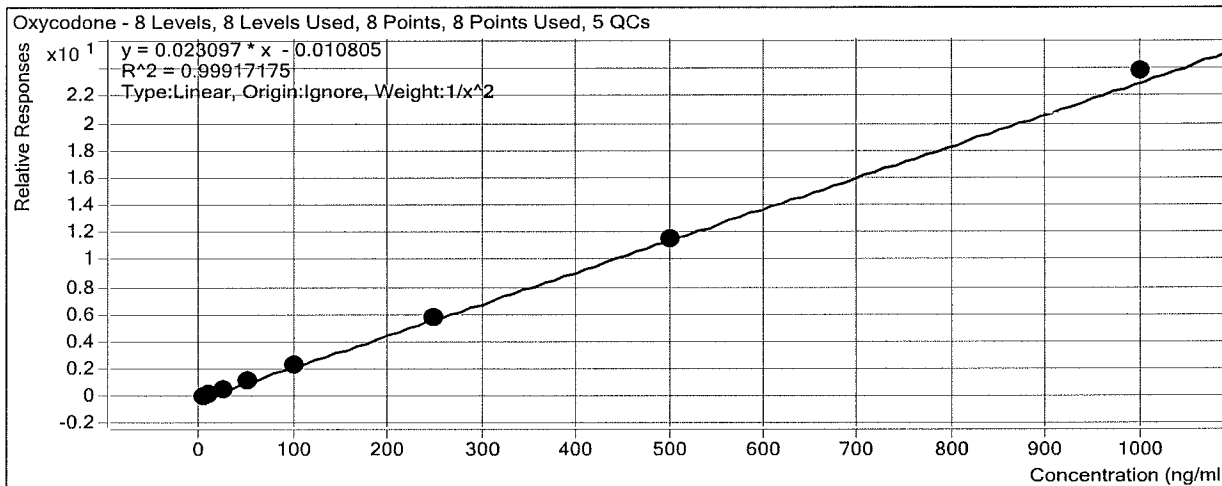
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.8	96.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	120.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	53.1	106.3
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	109.0	109.0
a qc 100	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.7	118.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	258.3	103.3
a QC 250	6	<input checked="" type="checkbox"/>	250	264.7	105.9
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	455.7	91.1
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	882.4	88.2
a qc 1000	8	<input type="checkbox"/>	1000	933.5	93.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.9	99.8
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	89.7	89.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	249.2	99.7
a QC 250	6	<input checked="" type="checkbox"/>	250	264.1	105.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	503.8	100.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1031.2	103.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1053.3	105.3

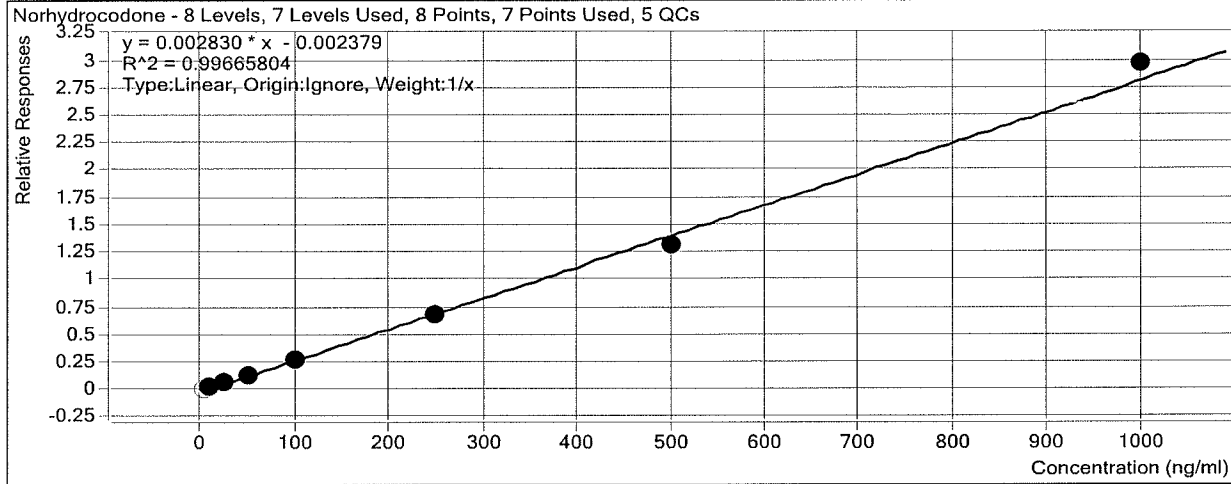
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Norhydrocodone*
Internal Standard *Norhydrocodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	5.5	109.7
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	12.0	120.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.4
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.0	91.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.9	97.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.0	95.2
a QC 250	6	<input checked="" type="checkbox"/>	250	265.3	106.1
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	468.8	93.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1048.0	104.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1156.6	115.7

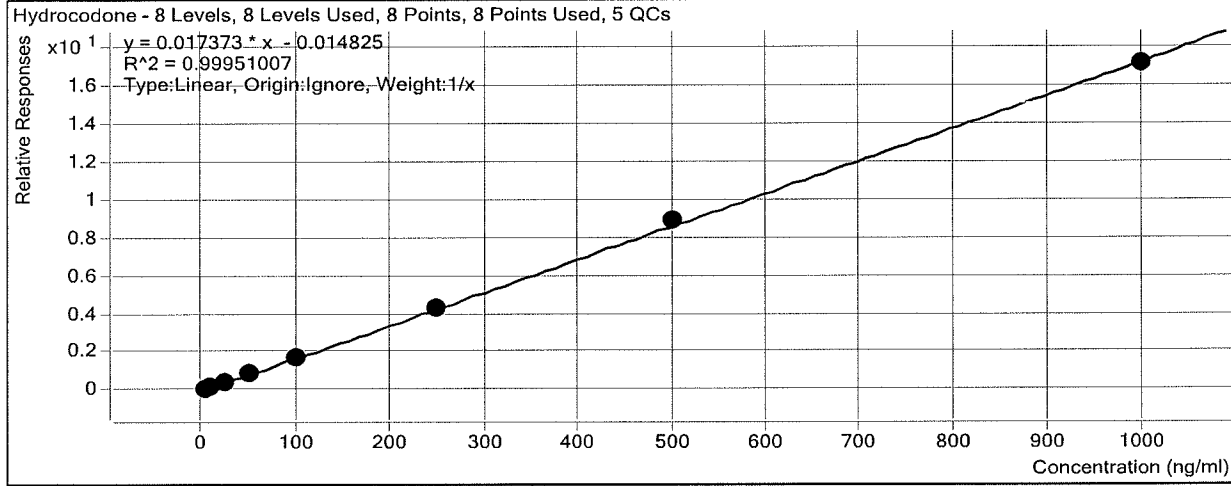
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Hydrocodone*
Internal Standard *Hydrocodone-D6*



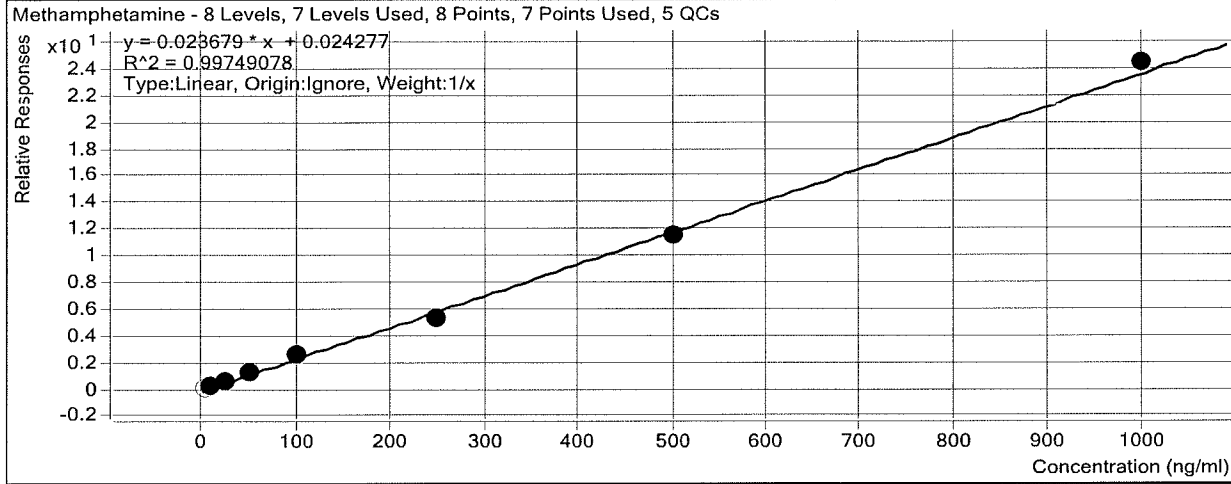
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.5	110.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.0	91.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	250.4	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	254.4	101.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	513.5	102.7
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	989.2	98.9
a qc 1000	8	<input type="checkbox"/>	1000	959.8	96.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



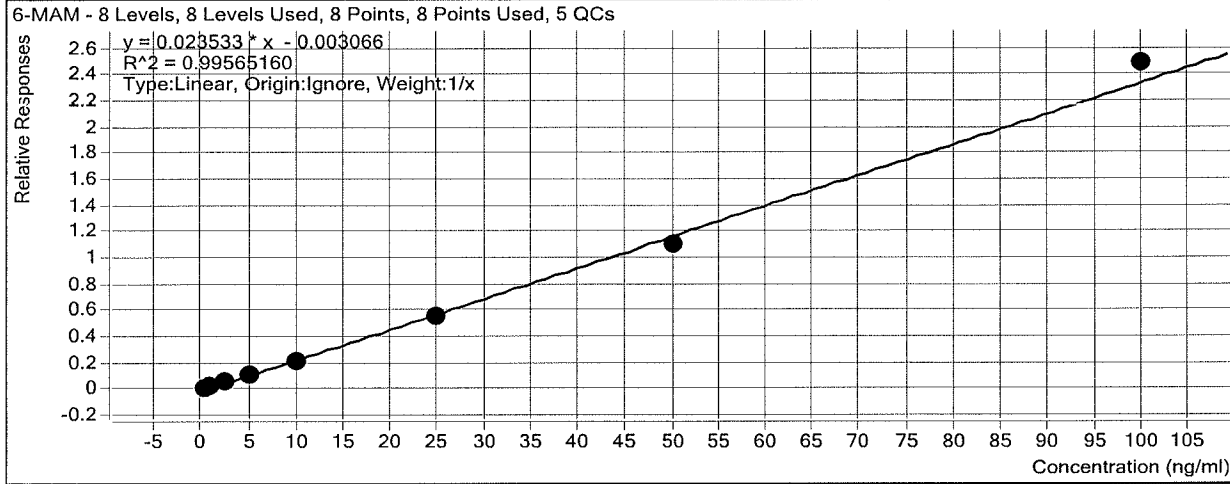
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	5.6	111.0
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.9	108.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.6
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.2	93.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	111.9	111.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	225.4	90.1
a QC 250	6	<input checked="" type="checkbox"/>	250	238.9	95.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	488.7	97.7
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1030.1	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1060.1	106.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound 6-MAM
Internal Standard 6-MAM-D6



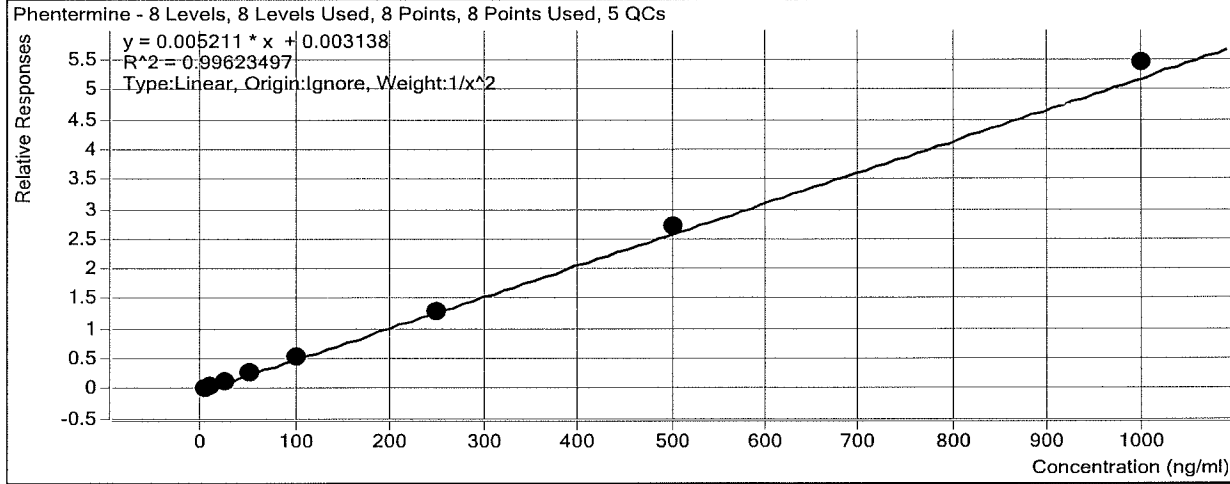
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	126.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	107.8
a QC 10	2	<input checked="" type="checkbox"/>	1	1.0	101.6
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.3	91.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.4	88.8
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.1	90.7
a qc 100	5	<input checked="" type="checkbox"/>	10	9.1	90.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	23.5	94.1
a QC 250	6	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	47.2	94.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	105.7	105.7
a qc 1000	8	<input checked="" type="checkbox"/>	100	100.4	100.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound *Phentermine*
Internal Standard *Phentermine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.3	89.2
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.4	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	523.9	104.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1044.7	104.5
a qc 1000	8	<input type="checkbox"/>	1000	1106.7	110.7

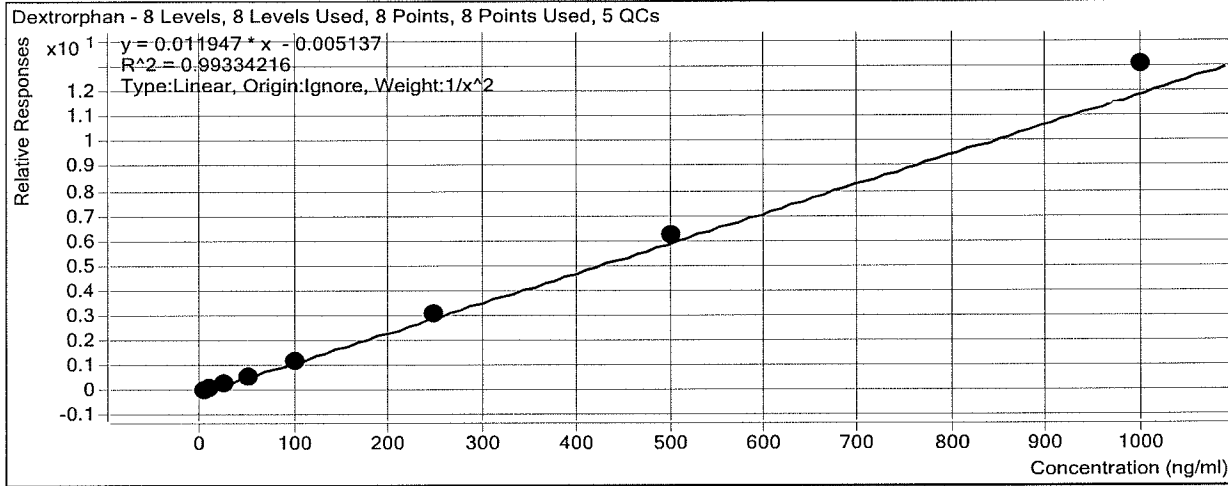
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Dextrophan*
Internal Standard *Dextrophan-D3*



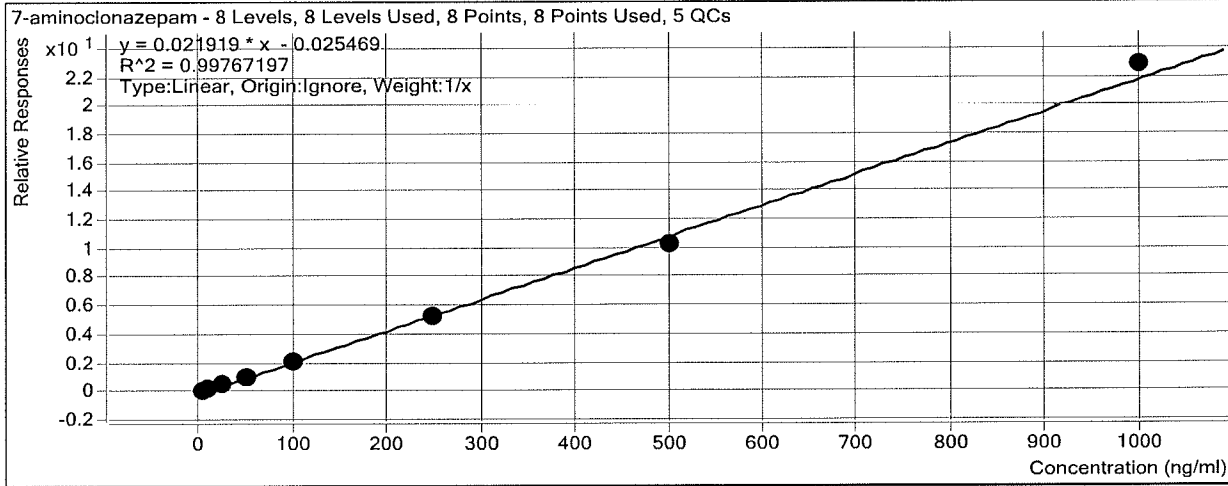
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.3	106.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.4	89.5
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.1	96.3
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250	6	<input checked="" type="checkbox"/>	250	261.6	104.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	524.9	105.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1093.5	109.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1081.3	108.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound 7-aminoclonazepam
Internal Standard 7-Aminoclonazepam-D4



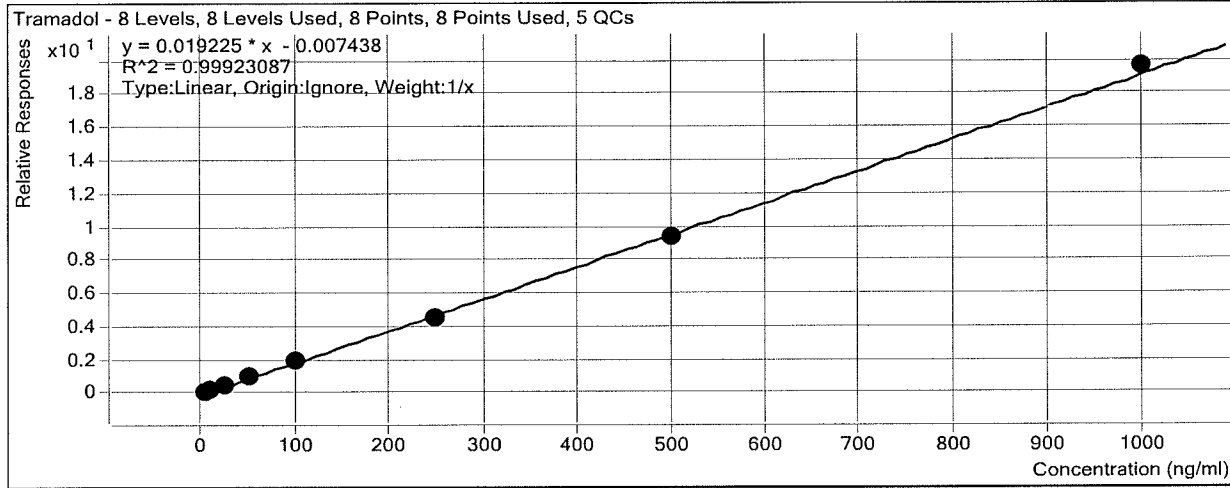
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a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.8
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.1	96.5
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.0	96.0
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	239.3	95.7
a QC 250	6	<input checked="" type="checkbox"/>	250	270.1	108.0
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	471.5	94.3
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1042.7	104.3
a qc 1000	8	<input type="checkbox"/>	1000	1025.0	102.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound *Tramadol*
Internal Standard *Tramadol-13C-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.3	106.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.7	97.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a qc 100	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	95.1	95.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.3	95.3
a QC 250	6	<input checked="" type="checkbox"/>	250	239.1	95.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	488.9	97.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1021.7	102.2
a qc 1000	8	<input type="checkbox"/>	1000	1126.5	112.7

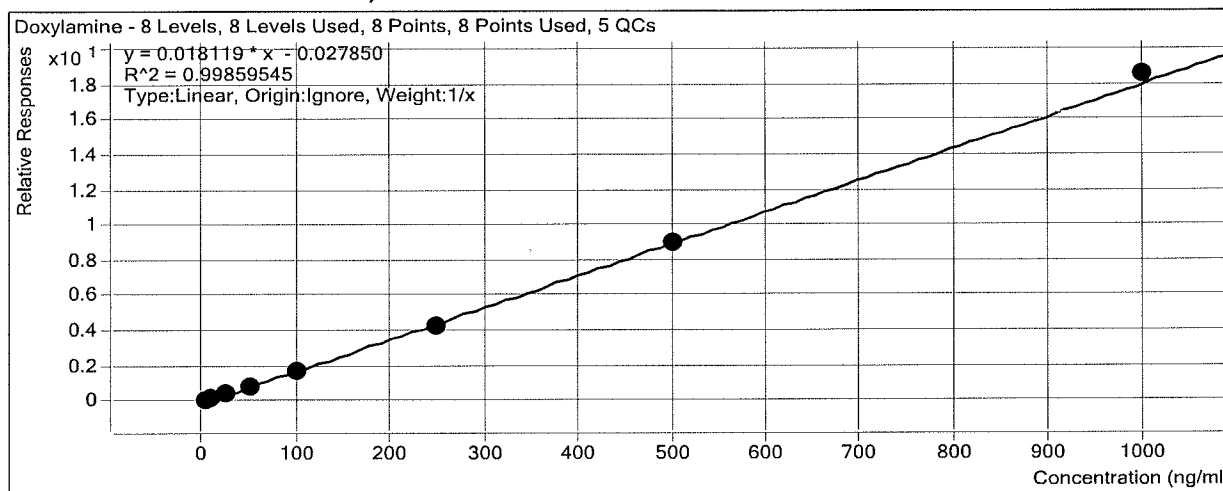
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Doxylamine*
Internal Standard *Doxylamine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.2	123.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	103.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.4
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.2	84.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.8	94.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.6	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	293.8	117.5
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	495.0	99.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1026.0	102.6
a qc 1000	8	<input type="checkbox"/>	1000	1287.8	128.8

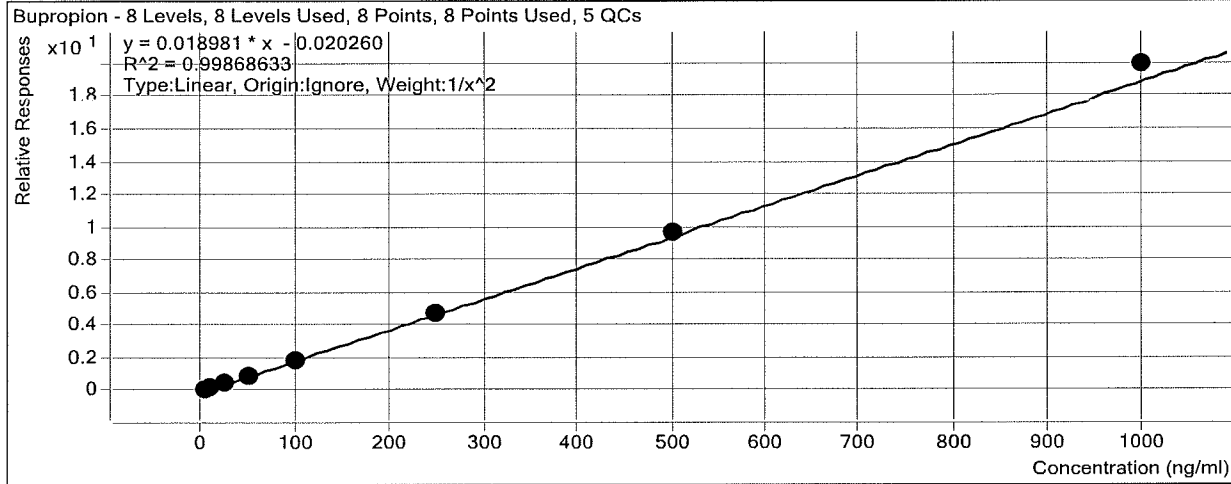
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Bupropion*
Internal Standard *Bupropion-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.4
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	246.5	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	512.7	102.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1051.6	105.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1109.7	111.0

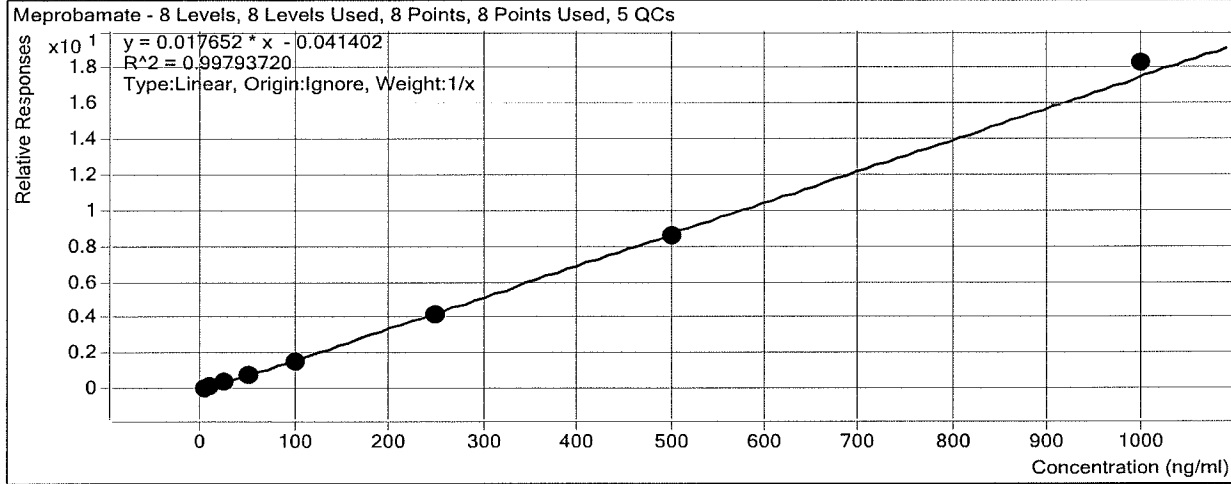
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Meprobamate*
Internal Standard *Meprobamate-D7*

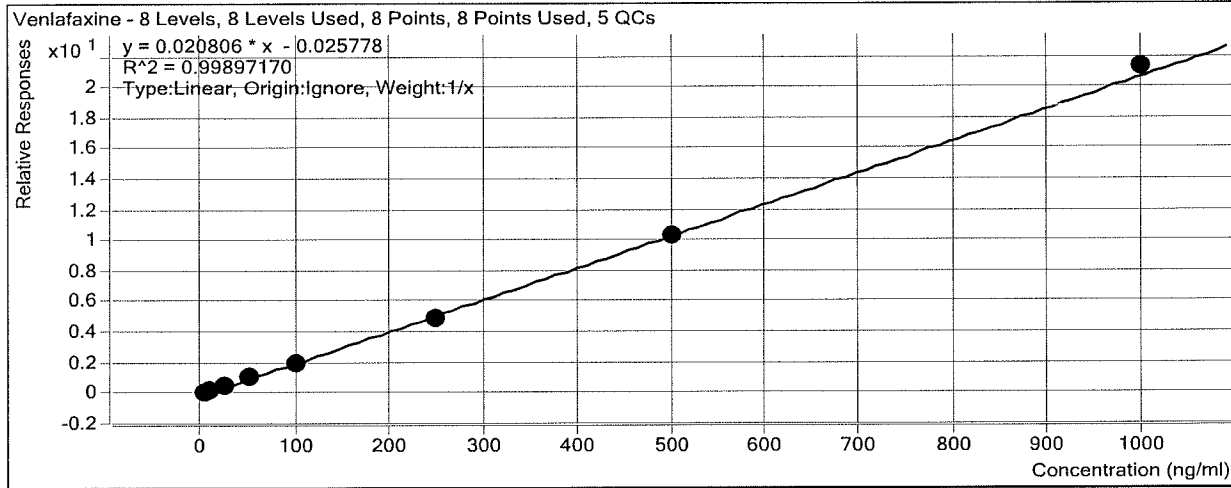


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	111.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.3	113.5
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	91.1	91.1
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	236.5	94.6
a QC 250	6	<input checked="" type="checkbox"/>	250	252.9	101.1
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	487.9	97.6
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1036.7	103.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1086.0	108.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Last Calib Update 6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.4	107.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.8	97.7
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.3	95.3
a qc 100	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	235.3	94.1
a QC 250	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	494.9	99.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1024.8	102.5
a qc 1000	8	<input type="checkbox"/>	1000	921.5	92.1

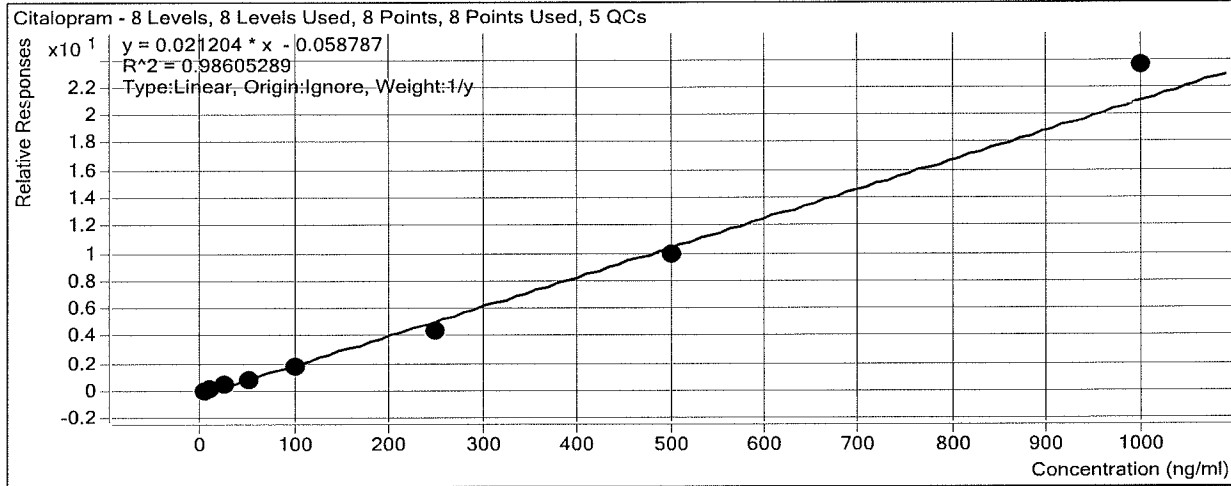
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Citalopram*
Internal Standard *Citalopram-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.3	125.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.4
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.9
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	26.0	104.2
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.7	89.4
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	84.9	84.9
a qc 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	209.3	83.7
a QC 250	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	470.7	94.1
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1112.9	111.3
a qc 1000	8	<input type="checkbox"/>	1000	1001.5	100.2

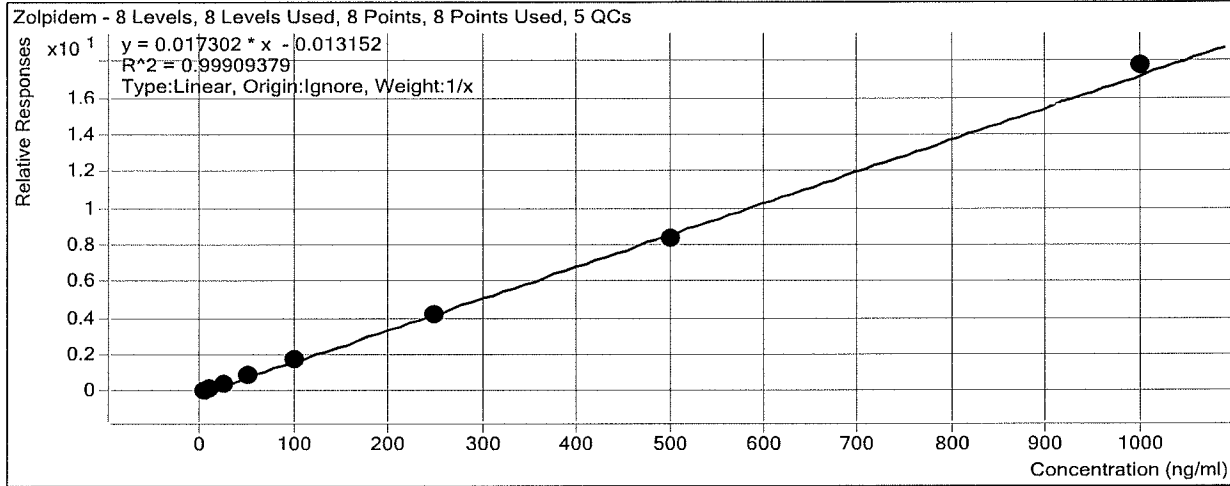
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Zolpidem*
Internal Standard *Zolpidem-D6*



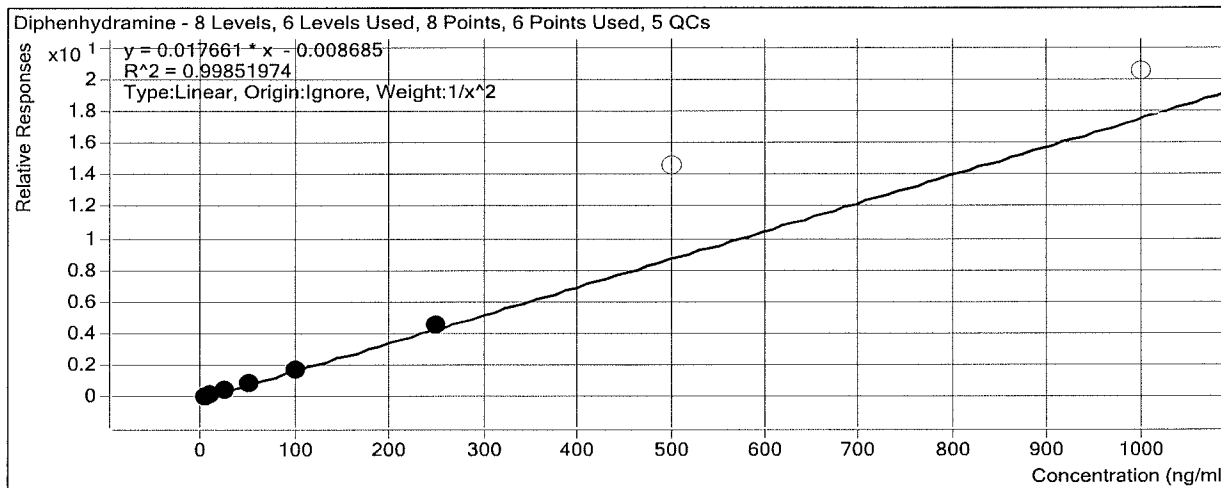
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.4	107.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.3
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.5	98.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	241.0	96.4
a QC 250	6	<input checked="" type="checkbox"/>	250	260.1	104.0
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	484.2	96.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1025.9	102.6
a qc 1000	8	<input type="checkbox"/>	1000	1066.2	106.6

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



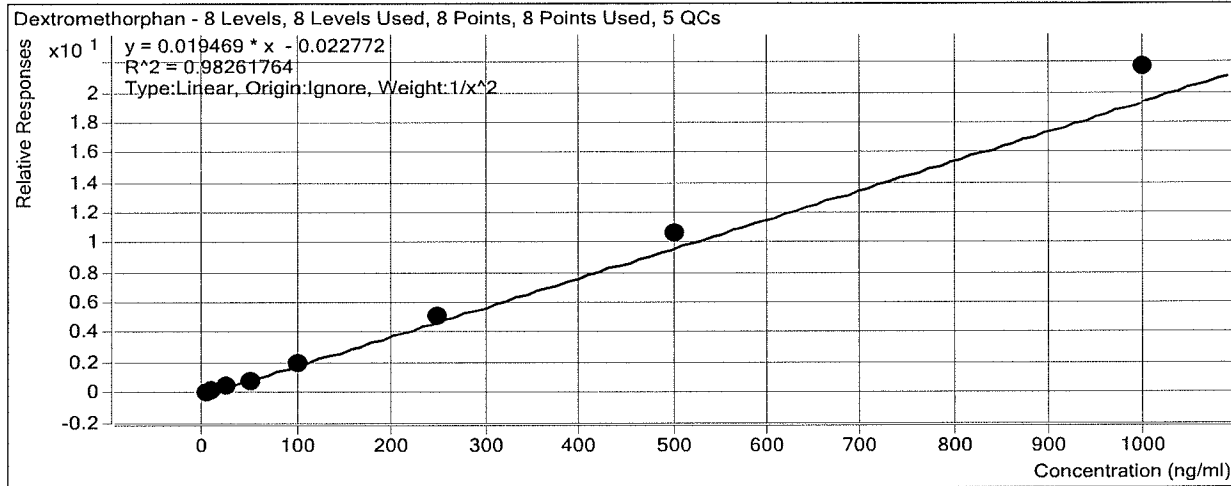
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.6	116.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a qc 100	5	<input checked="" type="checkbox"/>	100	108.3	108.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	261.0	104.4
a QC 250	6	<input checked="" type="checkbox"/>	250	263.0	105.2
a cal 7-500ng/mL	7	<input type="checkbox"/>	500	829.9	166.0
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1160.9	116.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1165.3	116.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound *Dextromethorphan*
Internal Standard *Dextromethorphan-D3*



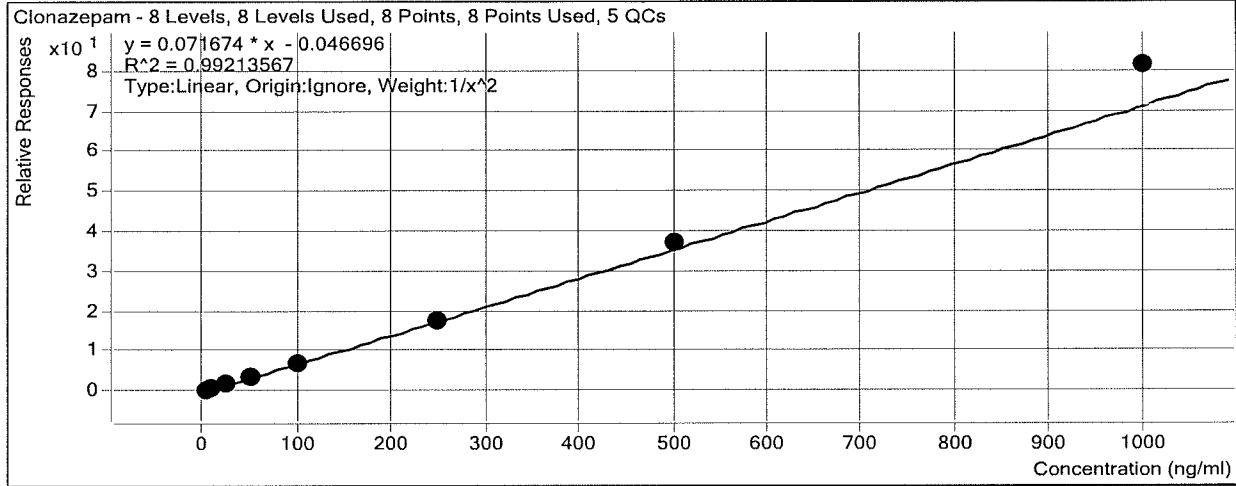
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.5	110.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	8.5	84.6
a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	120.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	41.1	82.2
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	263.1	105.2
a QC 250	6	<input checked="" type="checkbox"/>	250	278.1	111.3
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	547.9	109.6
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1114.0	111.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1153.3	115.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.3	105.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.2	90.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a qc 100	5	<input type="checkbox"/>	100	95.6	95.6
a qc 100 2nd	5	<input type="checkbox"/>	100	93.0	93.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	239.3	95.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	519.0	103.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1136.3	113.6
a qc 1000	8	<input type="checkbox"/>	1000	976.1	97.6

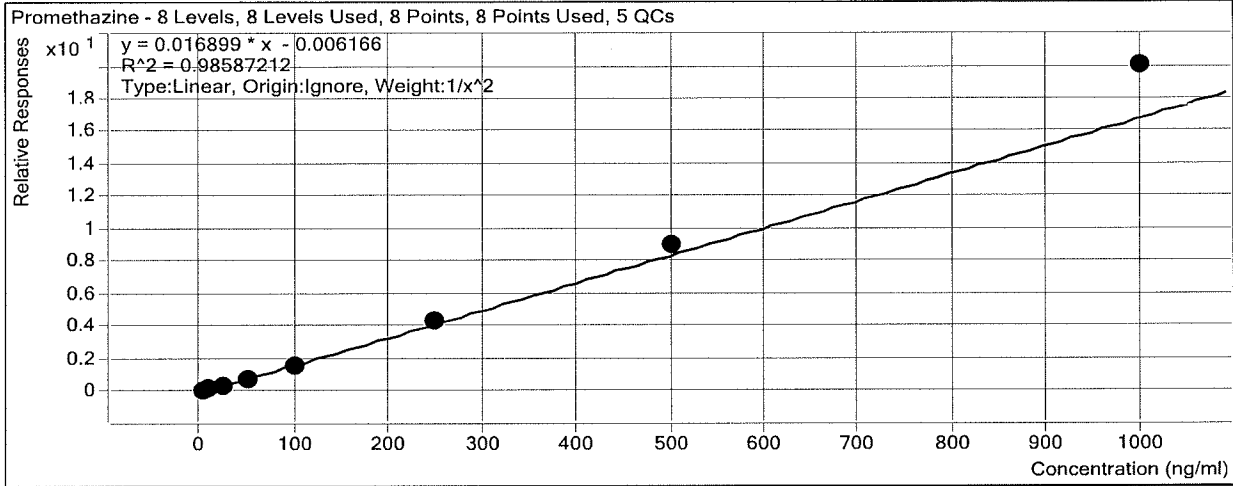
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
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Analyst Name ISP TOX

Target Compound *Promethazine*
Internal Standard *Promethazine-D3*

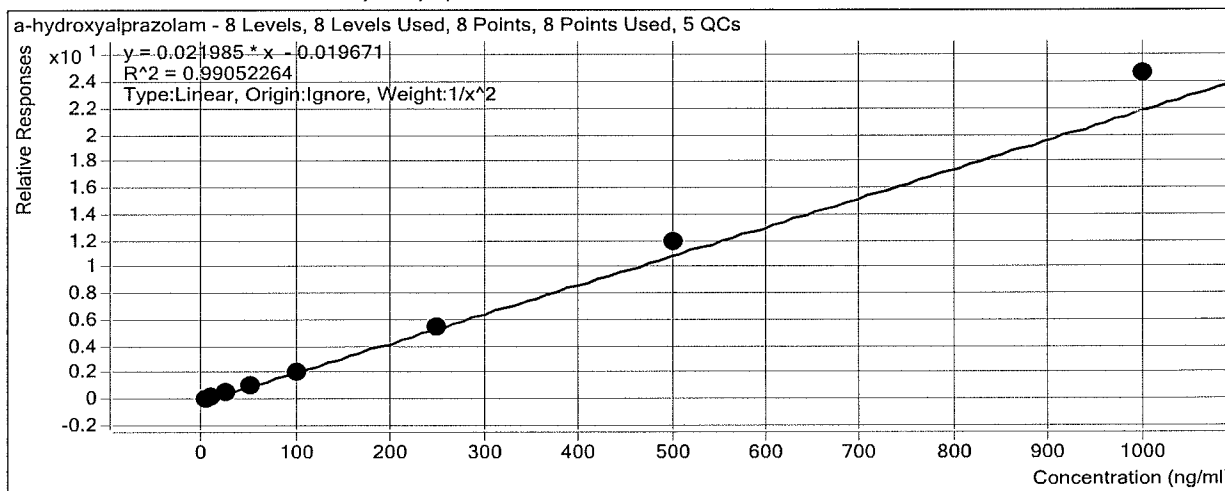


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.3	105.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.8	87.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.5	91.0
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	92.5	92.5
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a QC 250	6	<input checked="" type="checkbox"/>	250	244.9	98.0
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	533.8	106.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1185.0	118.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1150.0	115.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Last Calib Update 6/1/2017 3:51 PM **Analyst Name** ISP TOX

Target Compound *a-hydroxyalprazolam*
Internal Standard *a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.4	107.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.1	90.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.2	88.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	265.9	106.4
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	540.7	108.1
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1121.5	112.2
a qc 1000	8	<input type="checkbox"/>	1000	1140.9	114.1

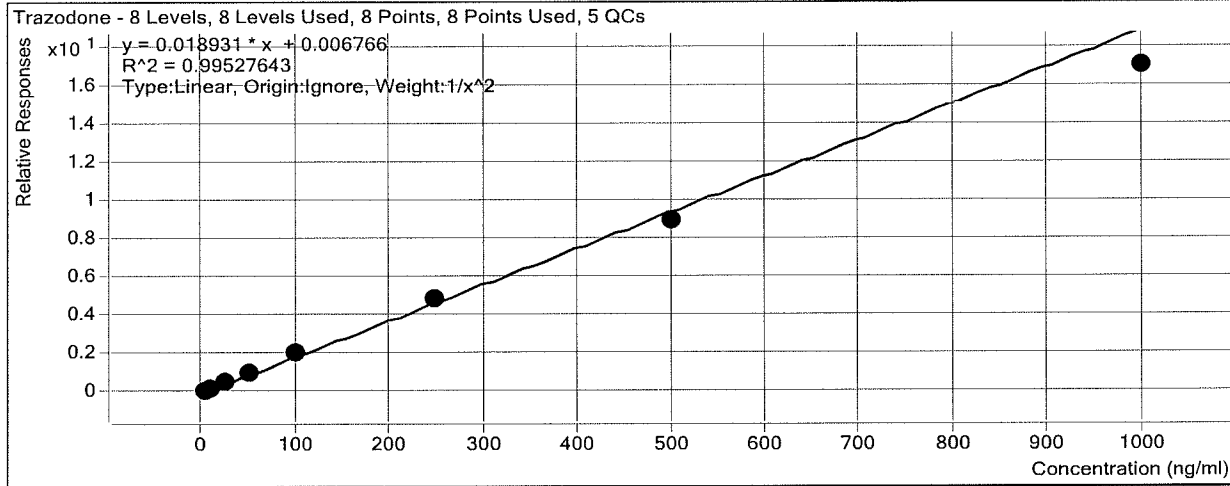
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Trazodone*
Internal Standard *Trazodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.8	96.4
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.6	105.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.6
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.9	103.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a qc 100	5	<input checked="" type="checkbox"/>	100	114.0	114.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.9	107.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	253.9	101.6
a QC 250	6	<input checked="" type="checkbox"/>	250	267.0	106.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	474.0	94.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	897.2	89.7
a qc 1000	8	<input type="checkbox"/>	1000	882.7	88.3

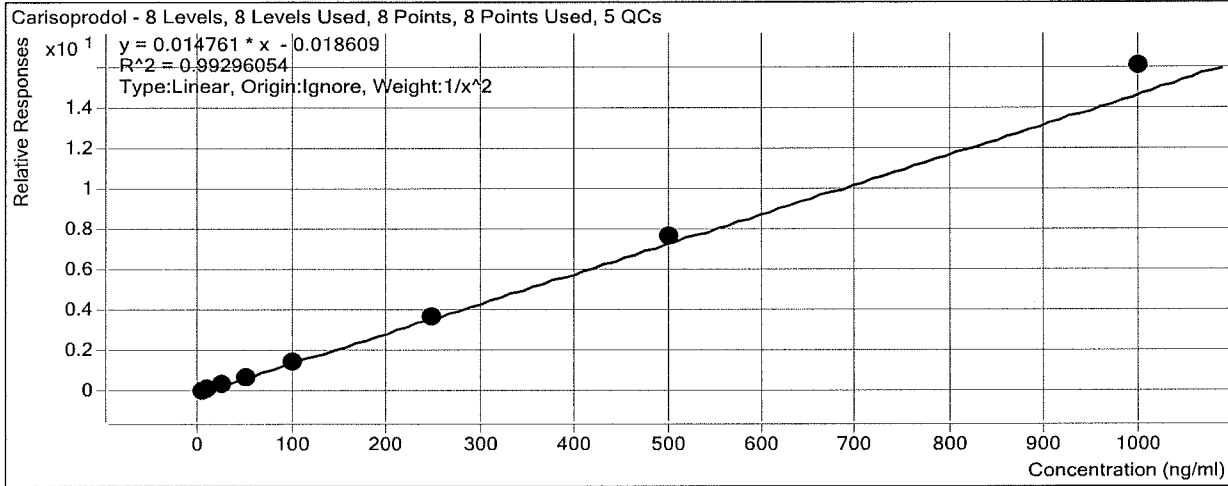
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

Target Compound *Carisoprodol*
Internal Standard *Carisoprodol-D7*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.8	87.1
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.4	90.8
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100	5	<input checked="" type="checkbox"/>	100	113.0	113.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	518.5	103.7
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1089.3	108.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	672.5	67.3

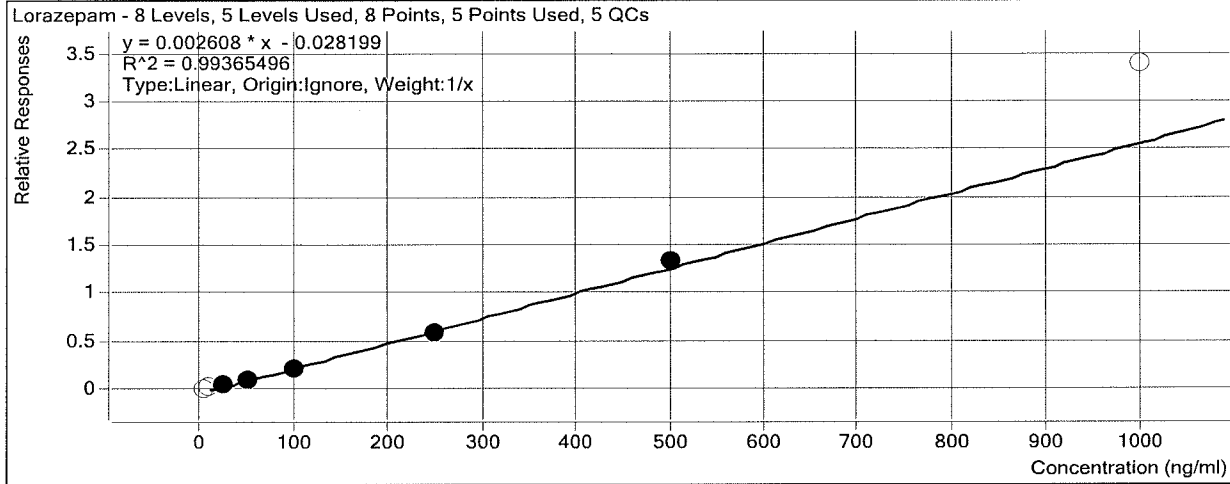
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM

Analyst Name ISP TOX

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



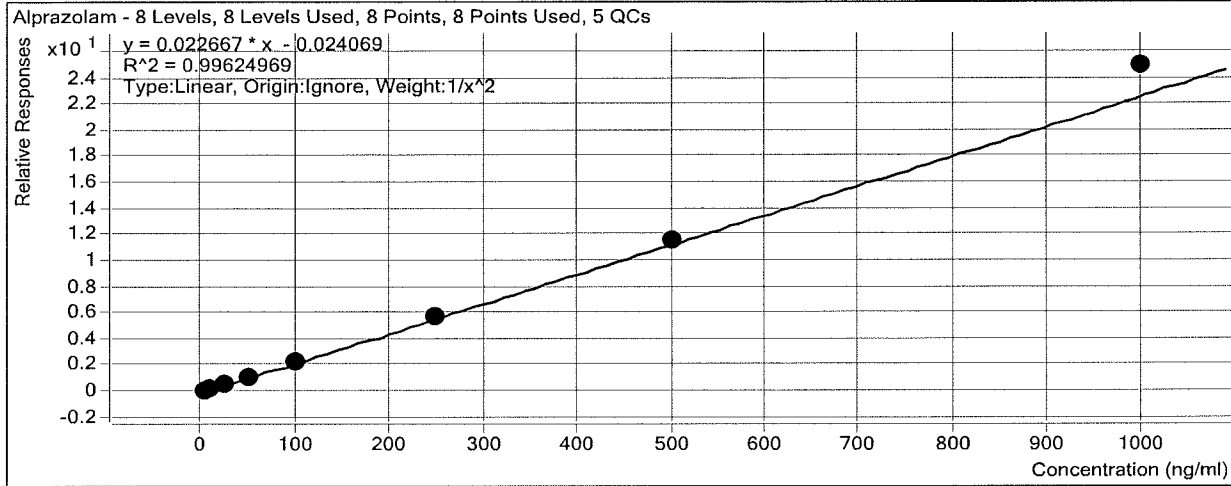
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	14.8	296.1
a cal 2-10ng/mL	2	<input type="checkbox"/>	10	18.2	182.3
a QC 10	2	<input checked="" type="checkbox"/>	10	16.8	168.3
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	28.4	113.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.3	98.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	89.7	89.7
a qc 100	5	<input checked="" type="checkbox"/>	100	88.5	88.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	89.4	89.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	233.4	93.4
a QC 250	6	<input checked="" type="checkbox"/>	250	227.7	91.1
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	524.2	104.8
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1310.3	131.0
a qc 1000	8	<input type="checkbox"/>	1000	1411.7	141.2

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
6/1/2017 3:51 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	94.2
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.3	92.7
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a qc 100	5	<input checked="" type="checkbox"/>	100	113.9	113.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	252.2	100.9
a QC 250	6	<input checked="" type="checkbox"/>	250	257.9	103.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	510.8	102.2
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1099.1	109.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1181.1	118.1

ISP FORENSICS - Cd'A Instrument # 62340

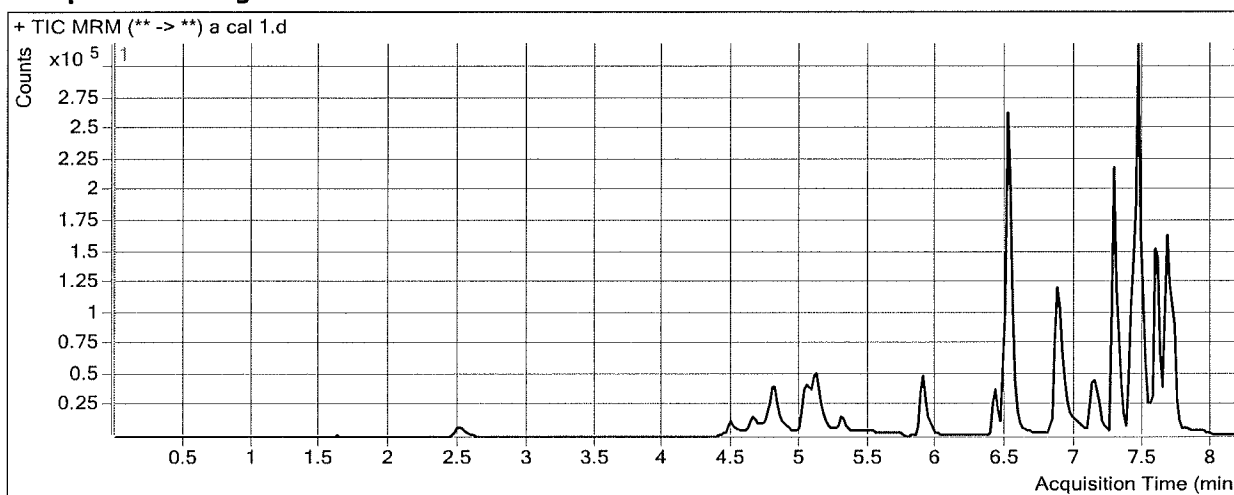
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 10:18 **Data File** a cal 1.d
Sample Type Calibration **Sample Name** a cal 1-5ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	1009	2057	0.4906	5.6205
Hydromorphone	Hydromorphone-D6	2.548	5135	40826	0.1258	5.1155
Codeine	Codeine-D6	4.573	2582	20734	0.1245	5.0592
Amphetamine	Amphetamine-D11	4.784	53161	59212	0.8978	4.8324
Oxycodone	Oxycodone-D6	4.850	12607	118469	0.1064	5.0750
Norhydrocodone	Norhydrocodone-D3	5.118	477	36265	0.0131	5.4872
Hydrocodone	Hydrocodone-D6	5.155	7676	94216	0.0815	5.5427
Methamphetamine	Methamphetamine-D11	5.162	28417	182492	0.1557	5.5510
6-MAM	6-MAM-D6	5.329	419	35483	0.0118	0.6326
Phentermine	Phentermine-D5	5.946	5148	170049	0.0303	5.2074
Dextroprphan	Dextroprphan-D3	6.423	5755	98589	0.0584	5.3158
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	9154	93286	0.0981	5.6388
Tramadol	Tramadol-13C-D3	6.521	67523	713845	0.0946	5.3072
Doxylamine	Doxylamine-D5	6.883	39147	464047	0.0844	6.1929
Bupropion	Bupropion-D9	7.152	7085	94708	0.0748	5.0088
Meprobamate	Meprobamate-D7	7.173	2930	51118	0.0573	5.5925
Venlafaxine	Venlafaxine-D6	7.286	45000	524065	0.0859	5.3661
Citalopram	Citalopram-D6	7.398	11481	154271	0.0744	6.2822
Zolpidem	Zolpidem-D6	7.465	54521	680175	0.0802	5.3931
Diphenhydramine	Diphenhydramine-D3	7.432	19729	241145	0.0818	5.1243
Dextromethorphan	Dextromethorphan-D3	7.428	2292	27151	0.0844	5.5062
Clonazepam	Clonazepam-D4	7.603	3562	10701	0.3329	5.2957
Promethazine	Promethazine-D3	7.607	15951	191507	0.0833	5.2936

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

a cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	1648	16808	0.0981	5.3546
Trazodone	Trazodone-D6	7.617	16402	167398	0.0980	4.8183
Carisoprodol	Carisoprodol-D7	7.693	16795	299820	0.0560	5.0555
Lorazepam	Alprazolam-D5	7.703	1842	176905	0.0104	14.8070
Alprazolam	Alprazolam-D5	7.727	16106	176905	0.0910	5.0784



ISP FORENSICS - Cd'A Instrument # 62340

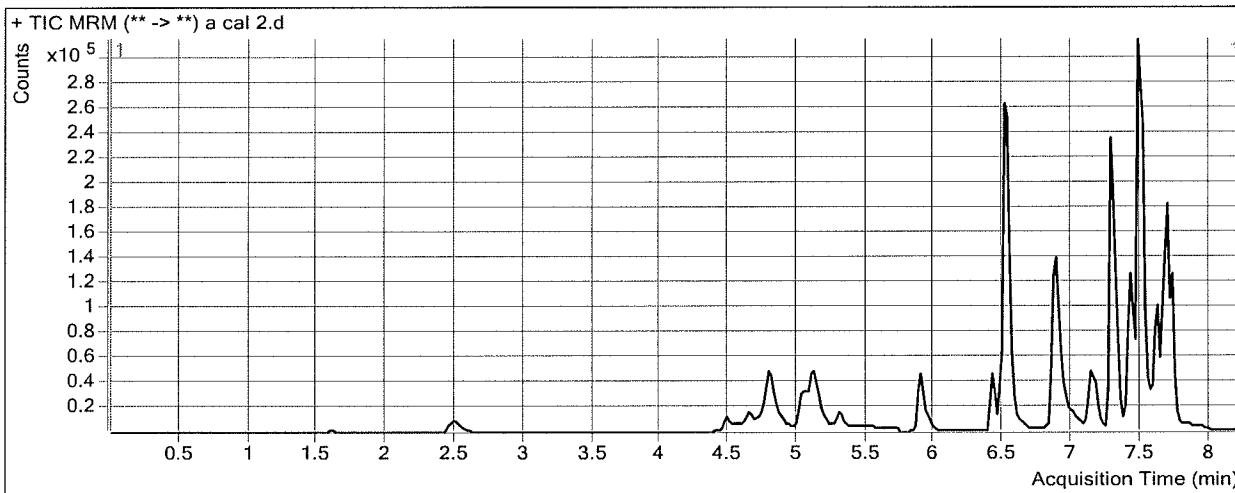
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 10:43 **Data File** a cal 2.d
Sample Type Calibration **Sample Name** a cal 2-10ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	2194	2182	1.0056	10.3569
Hydromorphone	Hydromorphone-D6	2.528	10343	40961	0.2525	9.7568
Codeine	Codeine-D6	4.573	4858	20029	0.2426	9.9974
Amphetamine	Amphetamine-D11	4.784	74776	55993	1.3355	10.4275
Oxycodone	Oxycodone-D6	4.850	26285	120685	0.2178	9.8975
Norhydrocodone	Norhydrocodone-D3	5.138	1164	36785	0.0316	12.0214
Hydrocodone	Hydrocodone-D6	5.155	14358	95747	0.1500	9.4851
Methamphetamine	Methamphetamine-D11	5.162	38395	136177	0.2820	10.8820
6-MAM	6-MAM-D6	5.309	795	35644	0.0223	1.0784
Phentermine	Phentermine-D5	5.946	8693	164180	0.0530	9.5590
Dextroprphan	Dextroprphan-D3	6.423	11453	109076	0.1050	9.2192
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	16419	82960	0.1979	10.1911
Tramadol	Tramadol-13C-D3	6.521	135665	745364	0.1820	9.8546
Doxylamine	Doxylamine-D5	6.883	91002	567151	0.1605	10.3927
Bupropion	Bupropion-D9	7.172	12160	70072	0.1735	10.2101
Meprobamate	Meprobamate-D7	7.173	8155	51327	0.1589	11.3468
Venlafaxine	Venlafaxine-D6	7.286	101157	529513	0.1910	10.4210
Citalopram	Citalopram-D6	7.398	22367	137518	0.1626	10.4428
Zolpidem	Zolpidem-D6	7.505	108555	660943	0.1642	10.2531
Diphenhydramine	Diphenhydramine-D3	7.452	33265	206922	0.1608	9.5942
Dextromethorphan	Dextromethorphan-D3	7.428	2711	19093	0.1420	8.4636
Clonazepam	Clonazepam-D4	7.603	7315	11949	0.6122	9.1934
Promethazine	Promethazine-D3	7.607	14334	92276	0.1553	9.5567

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

a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	3202	17783	0.1801	9.0851
Trazodone	Trazodone-D6	7.658	26893	130062	0.2068	10.5647
Carisoprodol	Carisoprodol-D7	7.693	39757	293719	0.1354	10.4305
Lorazepam	Alprazolam-D5	7.703	3364	174027	0.0193	18.2273
Alprazolam	Alprazolam-D5	7.727	35531	174027	0.2042	10.0691



ISP FORENSICS - Cd'A Instrument # 62340

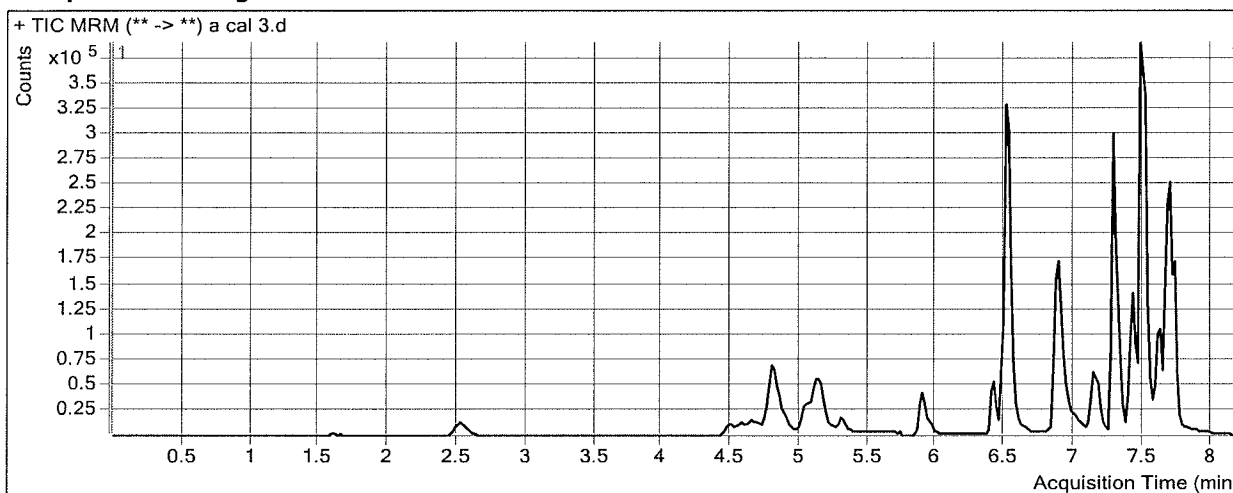
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 11:09	Data File	a cal 3.d
Sample Type	Calibration	Sample Name	a cal 3-25ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	5481	2134	2.5689	24.7339
Hydromorphone	Hydromorphone-D6	2.548	25775	40463	0.6370	23.8376
Codeine	Codeine-D6	4.573	12136	20406	0.5947	24.7328
Amphetamine	Amphetamine-D11	4.804	130289	52190	2.4964	25.2707
Oxycodone	Oxycodone-D6	4.850	66034	123159	0.5362	23.6812
Norhydrocodone	Norhydrocodone-D3	5.118	2184	34896	0.0626	22.9567
Hydrocodone	Hydrocodone-D6	5.155	36716	95594	0.3841	22.9613
Methamphetamine	Methamphetamine-D11	5.162	73907	128636	0.5745	23.2387
6-MAM	6-MAM-D6	5.309	1889	37057	0.0510	2.2962
Phentermine	Phentermine-D5	5.946	18013	150868	0.1194	22.3098
Dextroprphan	Dextroprphan-D3	6.423	26239	100107	0.2621	22.3694
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	44978	89363	0.5033	24.1247
Tramadol	Tramadol-13C-D3	6.521	344975	725147	0.4757	25.1328
Doxylamine	Doxylamine-D5	6.883	192260	540191	0.3559	21.1802
Bupropion	Bupropion-D9	7.172	28817	66636	0.4324	23.8501
Meprobamate	Meprobamate-D7	7.173	19743	53944	0.3660	23.0789
Venlafaxine	Venlafaxine-D6	7.286	239053	483980	0.4939	24.9792
Citalopram	Citalopram-D6	7.398	52857	107129	0.4934	26.0411
Zolpidem	Zolpidem-D6	7.505	274354	691165	0.3969	23.7029
Diphenhydramine	Diphenhydramine-D3	7.432	71701	169631	0.4227	24.4252
Dextromethorphan	Dextromethorphan-D3	7.428	7062	16080	0.4392	23.7294
Clonazepam	Clonazepam-D4	7.603	19658	11889	1.6534	23.7205
Promethazine	Promethazine-D3	7.607	35754	98916	0.3615	21.7538

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

a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	8512	18206	0.4676	22.1619
Trazodone	Trazodone-D6	7.658	62975	130388	0.4830	25.1550
Carisoprodol	Carisoprodol-D7	7.693	92175	304550	0.3027	21.7643
Lorazepam	Alprazolam-D5	7.703	8241	179768	0.0458	28.3938
Alprazolam	Alprazolam-D5	7.727	91592	179768	0.5095	23.5392



ISP FORENSICS - Cd'A Instrument # 62340

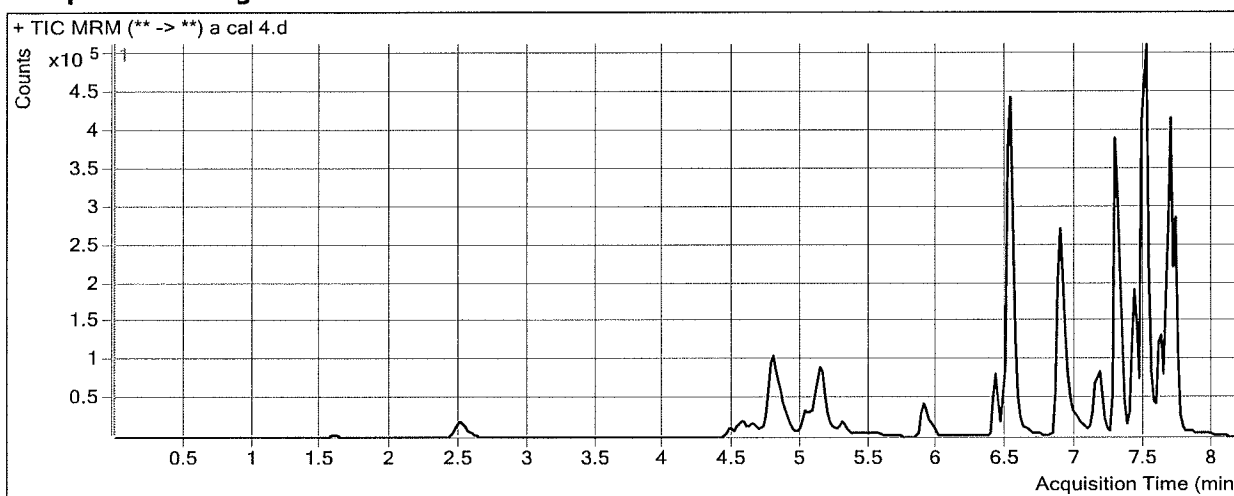
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 11:34	Data File	a cal 4.d
Sample Type	Calibration	Sample Name	a cal 4-50ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	11053	2047	5.4006	50.7767
Hydromorphone	Hydromorphone-D6	2.528	53128	39914	1.3311	49.2555
Codeine	Codeine-D6	4.573	23275	19999	1.1638	48.5471
Amphetamine	Amphetamine-D11	4.784	247629	52953	4.6764	53.1405
Oxycodone	Oxycodone-D6	4.850	138552	121365	1.1416	49.8943
Norhydrocodone	Norhydrocodone-D3	5.138	4761	34977	0.1361	48.9388
Hydrocodone	Hydrocodone-D6	5.155	76041	86036	0.8838	51.7271
Methamphetamine	Methamphetamine-D11	5.141	152925	125075	1.2227	50.6102
6-MAM	6-MAM-D6	5.309	3634	35821	0.1014	4.4408
Phentermine	Phentermine-D5	5.946	40093	151137	0.2653	50.3043
Dextroprphan	Dextroprphan-D3	6.423	55891	98059	0.5700	48.1393
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	93549	91140	1.0264	47.9903
Tramadol	Tramadol-13C-D3	6.521	669328	720078	0.9295	48.7375
Doxylamine	Doxylamine-D5	6.883	412733	492277	0.8384	47.8101
Bupropion	Bupropion-D9	7.172	61730	68289	0.9039	48.6897
Meprobamate	Meprobamate-D7	7.173	40934	51151	0.8003	47.6804
Venlafaxine	Venlafaxine-D6	7.286	493117	498030	0.9901	48.8285
Citalopram	Citalopram-D6	7.398	101742	114425	0.8892	44.7050
Zolpidem	Zolpidem-D6	7.505	550802	653534	0.8428	49.4728
Diphenhydramine	Diphenhydramine-D3	7.452	152844	176936	0.8638	49.4039
Dextromethorphan	Dextromethorphan-D3	7.428	12915	16606	0.7777	41.1178
Clonazepam	Clonazepam-D4	7.603	37820	11837	3.1952	45.2315
Promethazine	Promethazine-D3	7.607	72501	95015	0.7630	45.5173

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

a caly

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	18739	17579	1.0659	49.3786
Trazodone	Trazodone-D6	7.678	138460	139844	0.9901	51.9425
Carisoprodol	Carisoprodol-D7	7.693	185575	284712	0.6518	45.4168
Lorazepam	Alprazolam-D5	7.703	17071	170308	0.1002	49.2526
Alprazolam	Alprazolam-D5	7.727	174786	170308	1.0263	46.3385

ISP FORENSICS - Cd'A Instrument # 62340

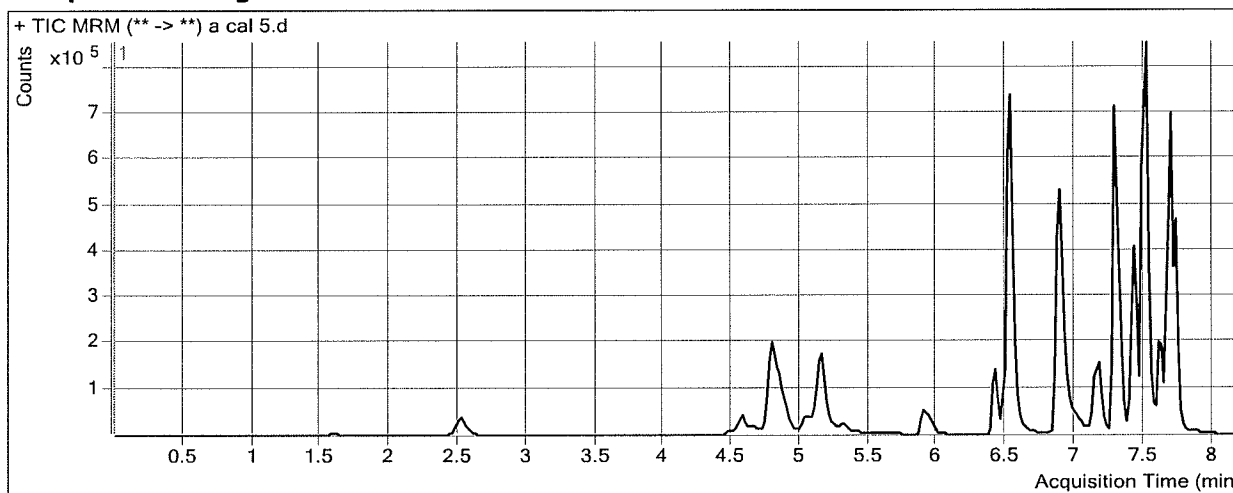
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 12:00	Data File	a cal 5.d
Sample Type	Calibration	Sample Name	a cal 5-100ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	21831	2020	10.8064	100.4914
Hydromorphone	Hydromorphone-D6	2.528	107470	39959	2.6895	99.0052
Codeine	Codeine-D6	4.573	48612	20380	2.3852	99.6559
Amphetamine	Amphetamine-D11	4.804	537929	59459	9.0471	109.0194
Oxycodone	Oxycodone-D6	4.850	294434	126236	2.3324	101.4498
Norhydrocodone	Norhydrocodone-D3	5.138	9880	36563	0.2702	96.3211
Hydrocodone	Hydrocodone-D6	5.155	161114	96227	1.6743	97.2277
Methamphetamine	Methamphetamine-D11	5.162	383186	151048	2.5368	106.1100
6-MAM	6-MAM-D6	5.329	7843	37284	0.2104	9.0690
Phentermine	Phentermine-D5	5.946	94043	176223	0.5337	101.8078
Dextroprphan	Dextroprphan-D3	6.423	131978	113235	1.1655	97.9886
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	190749	89364	2.1345	98.5427
Tramadol	Tramadol-13C-D3	6.521	1526919	781379	1.9541	102.0344
Doxylamine	Doxylamine-D5	6.883	981578	580705	1.6903	94.8276
Bupropion	Bupropion-D9	7.172	150403	81205	1.8522	98.6443
Meprobamate	Meprobamate-D7	7.173	83402	53205	1.5676	91.1488
Venlafaxine	Venlafaxine-D6	7.286	1120516	572641	1.9568	95.2877
Citalopram	Citalopram-D6	7.398	272580	156483	1.7419	84.9209
Zolpidem	Zolpidem-D6	7.505	1144410	666398	1.7173	100.0175
Diphenhydramine	Diphenhydramine-D3	7.432	415697	234978	1.7691	100.6611
Dextromethorphan	Dextromethorphan-D3	7.428	39785	20296	1.9603	101.8578
Clonazepam	Clonazepam-D4	7.603	78215	10974	7.1272	100.0910
Promethazine	Promethazine-D3	7.607	171702	110329	1.5563	92.4556

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

a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	35885	17361	2.0671	94.9136
Trazodone	Trazodone-D6	7.678	334013	163759	2.0397	107.3826
Carisoprodol	Carisoprodol-D7	7.693	394414	263493	1.4969	102.6659
Lorazepam	Alprazolam-D5	7.703	34255	166509	0.2057	89.7076
Alprazolam	Alprazolam-D5	7.727	365737	166509	2.1965	97.9637



ISP FORENSICS - Cd'A Instrument # 62340

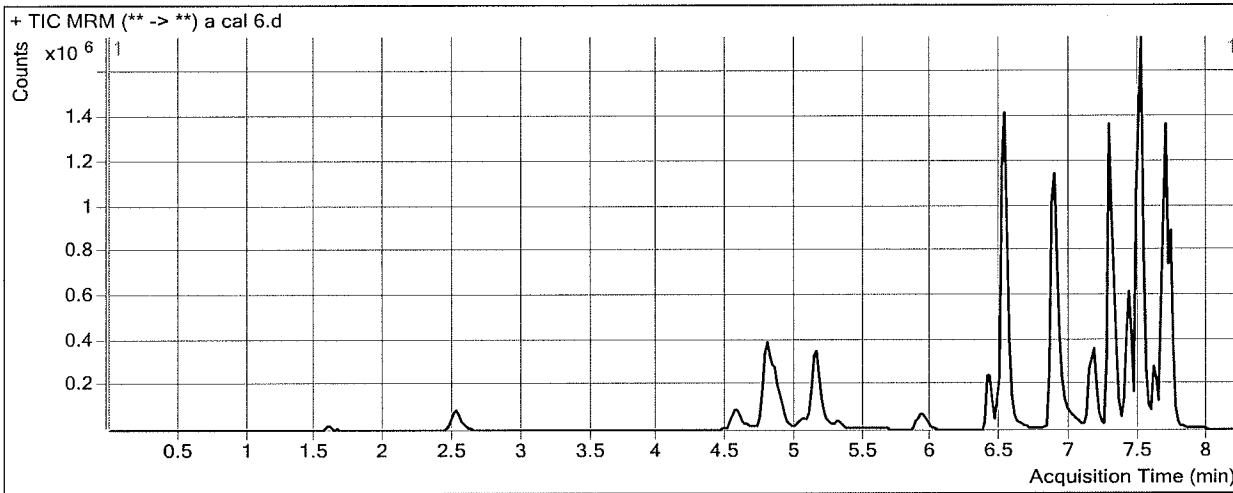
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 12:25	Data File	a cal 6.d
Sample Type	Calibration	Sample Name	a cal 6-250ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	53369	1920	27.7960	256.7395
Hydromorphone	Hydromorphone-D6	2.528	265614	39326	6.7542	247.8615
Codeine	Codeine-D6	4.573	126553	20410	6.2004	259.2968
Amphetamine	Amphetamine-D11	4.804	1106464	53396	20.7218	258.2792
Oxycodone	Oxycodone-D6	4.850	725299	126245	5.7452	249.2054
Norhydrocodone	Norhydrocodone-D3	5.138	23451	34938	0.6712	238.0246
Hydrocodone	Hydrocodone-D6	5.155	376436	86832	4.3352	250.3895
Methamphetamine	Methamphetamine-D11	5.141	698391	130288	5.3604	225.3516
6-MAM	6-MAM-D6	5.309	19202	34885	0.5504	23.5208
Phentermine	Phentermine-D5	5.946	200227	154311	1.2976	248.4016
Dextrophan	Dextrophan-D3	6.403	297429	96465	3.0833	258.5135
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	407871	78136	5.2200	239.3102
Tramadol	Tramadol-13C-D3	6.521	3465485	757735	4.5735	238.2840
Doxylamine	Doxylamine-D5	6.883	2437805	567502	4.2957	238.6198
Bupropion	Bupropion-D9	7.172	382563	82122	4.6585	246.4898
Meprobamate	Meprobamate-D7	7.173	220506	53350	4.1332	236.4925
Venlafaxine	Venlafaxine-D6	7.286	2561988	525996	4.8707	235.3445
Citalopram	Citalopram-D6	7.398	501974	114623	4.3794	209.3030
Zolpidem	Zolpidem-D6	7.505	2824777	679675	4.1561	240.9735
Diphenhydramine	Diphenhydramine-D3	7.432	762957	165829	4.6009	261.0023
Dextromethorphan	Dextromethorphan-D3	7.428	69305	13591	5.0995	263.0990
Clonazepam	Clonazepam-D4	7.603	194797	10978	17.7435	248.2114
Promethazine	Promethazine-D3	7.607	221963	51176	4.3372	257.0144

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

a cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	91839	16863	5.4463	248.6161
Trazodone	Trazodone-D6	7.678	717303	148999	4.8142	253.9391
Carisoprodol	Carisoprodol-D7	7.693	910258	244492	3.7231	253.4785
Lorazepam	Alprazolam-D5	7.703	84610	145765	0.5805	233.4134
Alprazolam	Alprazolam-D5	7.727	829679	145765	5.6919	252.1686



ISP FORENSICS - Cd'A Instrument # 62340

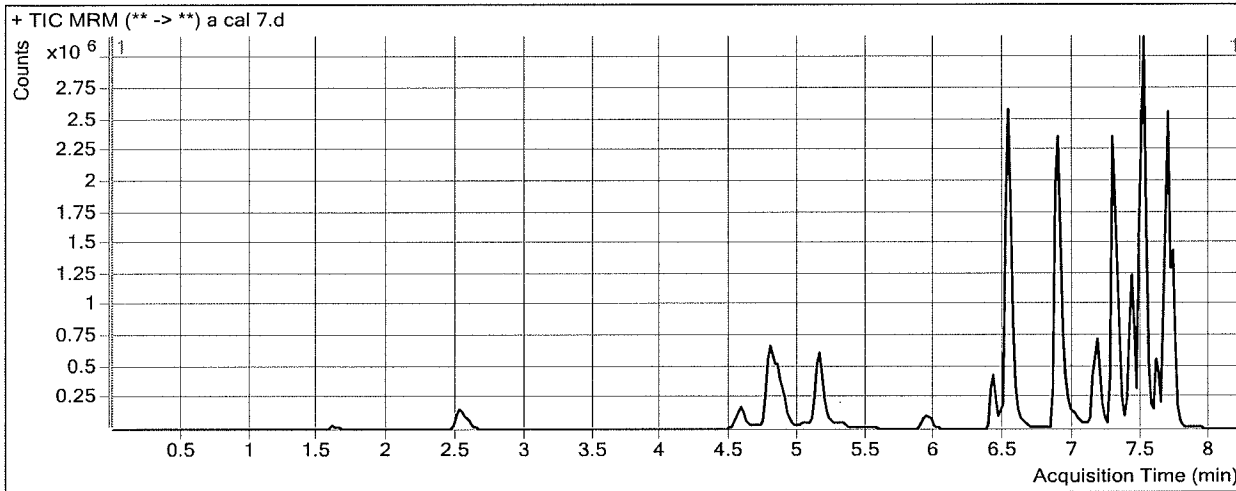
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 12:51	Data File	a cal 7.d
Sample Type	Calibration	Sample Name	a cal 7-500ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	102287	1895	53.9675	497.4309
Hydromorphone	Hydromorphone-D6	2.528	514049	36925	13.9213	510.3337
Codeine	Codeine-D6	4.573	243515	20304	11.9935	501.7023
Amphetamine	Amphetamine-D11	4.804	1802906	49851	36.1658	455.7289
Oxycodone	Oxycodone-D6	4.850	1441368	123987	11.6251	503.7775
Norhydrocodone	Norhydrocodone-D3	5.138	43312	32708	1.3242	468.7634
Hydrocodone	Hydrocodone-D6	5.155	709709	79693	8.9056	513.4614
Methamphetamine	Methamphetamine-D11	5.162	1308357	112819	11.5969	488.7332
6-MAM	6-MAM-D6	5.329	37758	34054	1.1088	47.2460
Phentermine	Phentermine-D5	5.946	370086	135410	2.7331	523.8801
Dextroprphan	Dextroprphan-D3	6.423	512073	81719	6.2663	524.9424
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	747596	72522	10.3086	471.4610
Tramadol	Tramadol-13C-D3	6.521	6707415	714188	9.3917	488.9101
Doxylamine	Doxylamine-D5	6.883	5494035	614475	8.9410	495.0008
Bupropion	Bupropion-D9	7.172	848126	87328	9.7119	512.7211
Meprobamate	Meprobamate-D7	7.173	430246	50193	8.5718	487.9412
Venlafaxine	Venlafaxine-D6	7.286	5036822	490370	10.2715	494.9239
Citalopram	Citalopram-D6	7.398	1162702	117187	9.9218	470.6840
Zolpidem	Zolpidem-D6	7.505	5463468	653132	8.3650	484.2439
Diphenhydramine	Diphenhydramine-D3	7.432	1630601	111316	14.6484	829.9133
Dextromethorphan	Dextromethorphan-D3	7.428	152306	14308	10.6448	547.9248
Clonazepam	Clonazepam-D4	7.603	381732	10275	37.1517	518.9968
Promethazine	Promethazine-D3	7.607	532458	59069	9.0142	533.7668

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	172404	14527	11.8679	540.7003
Trazodone	Trazodone-D6	7.678	1665487	185452	8.9807	474.0265
Carisoprodol	Carisoprodol-D7	7.693	1543623	202159	7.6357	518.5393
Lorazepam	Alprazolam-D5	7.703	164213	122657	1.3388	524.2326
Alprazolam	Alprazolam-D5	7.727	1417292	122657	11.5550	510.8270



ISP FORENSICS - Cd'A Instrument # 62340

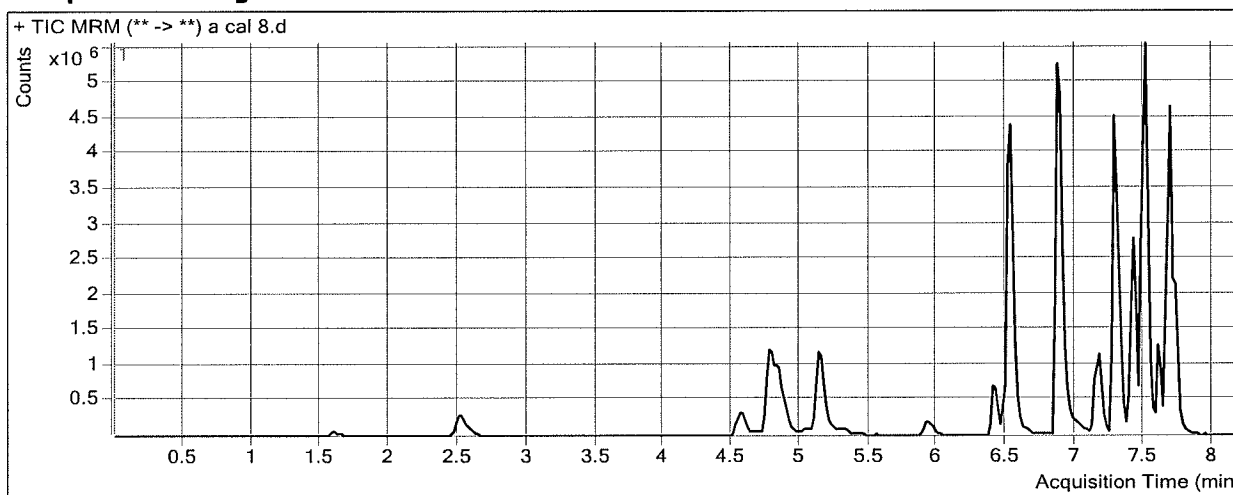
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 13:16	Data File	a cal 8.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	187025	1778	105.1756	968.3761
Hydromorphone	Hydromorphone-D6	2.528	974210	33661	28.9422	1060.4296
Codeine	Codeine-D6	4.573	468300	19770	23.6871	991.0084
Amphetamine	Amphetamine-D11	4.784	3373901	48520	69.5361	882.3641
Oxycodone	Oxycodone-D6	4.850	2902011	121891	23.8083	1031.2491
Norhydrocodone	Norhydrocodone-D3	5.118	83277	28102	2.9634	1047.9740
Hydrocodone	Hydrocodone-D6	5.155	1295121	75426	17.1707	989.2053
Methamphetamine	Methamphetamine-D11	5.141	2827248	115798	24.4153	1030.0743
6-MAM	6-MAM-D6	5.309	75983	30580	2.4847	105.7163
Phentermine	Phentermine-D5	5.946	767677	140935	5.4470	1044.6915
Dextroprphan	Dextroprphan-D3	6.403	955709	73183	13.0591	1093.5278
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	1322920	57945	22.8305	1042.7412
Tramadol	Tramadol-13C-D3	6.521	12864482	655178	19.6351	1021.7393
Doxylamine	Doxylamine-D5	6.863	11197625	603265	18.5617	1025.9758
Bupropion	Bupropion-D9	7.172	1273555	63868	19.9404	1051.5863
Meprobamate	Meprobamate-D7	7.173	837634	45875	18.2589	1036.7190
Venlafaxine	Venlafaxine-D6	7.286	10148560	476526	21.2970	1024.8492
Citalopram	Citalopram-D6	7.398	2618883	111250	23.5405	1112.9445
Zolpidem	Zolpidem-D6	7.505	10320300	581842	17.7373	1025.9434
Diphenhydramine	Diphenhydramine-D3	7.432	3929155	191720	20.4942	1160.9176
Dextromethorphan	Dextromethorphan-D3	7.428	399722	18449	21.6665	1114.0426
Clonazepam	Clonazepam-D4	7.603	691209	8492	81.3977	1136.3230
Promethazine	Promethazine-D3	7.607	1626338	81239	20.0191	1184.9734

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

a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	310661	12609	24.6374	1121.5164
Trazodone	Trazodone-D6	7.678	3769763	221862	16.9915	897.1783
Carisoprodol	Carisoprodol-D7	7.693	2335241	145401	16.0607	1089.2943
Lorazepam	Alprazolam-D5	7.703	298259	88020	3.3885	1310.2768
Alprazolam	Alprazolam-D5	7.727	2190780	88020	24.8894	1099.0991



ISP FORENSICS - Cd'A Instrument # 62340

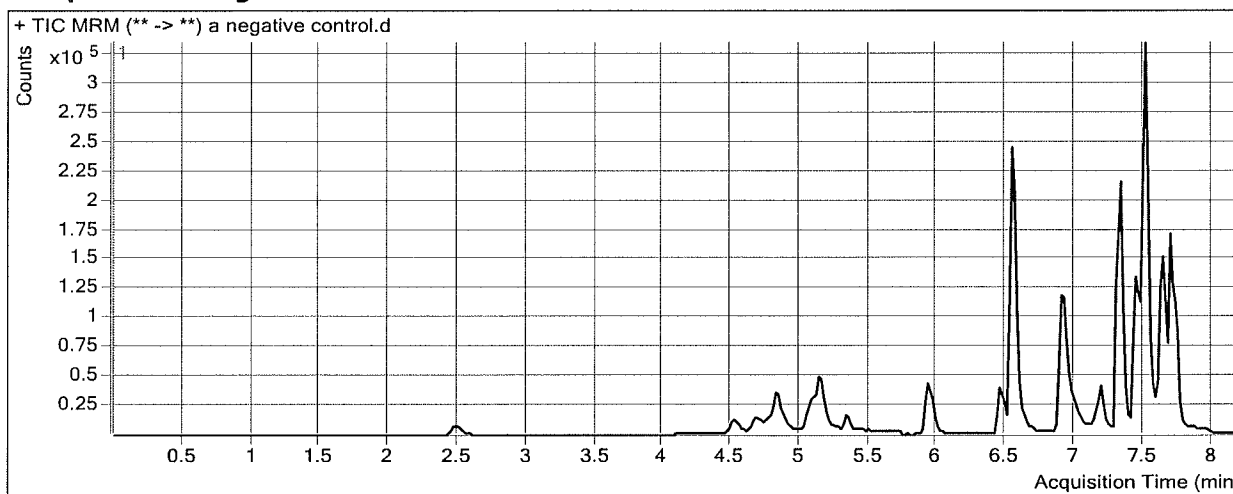
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 13:54 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.784	29338	56508	0.5192	0.0000

ISP FORENSICS - Cd'A Instrument # 62340

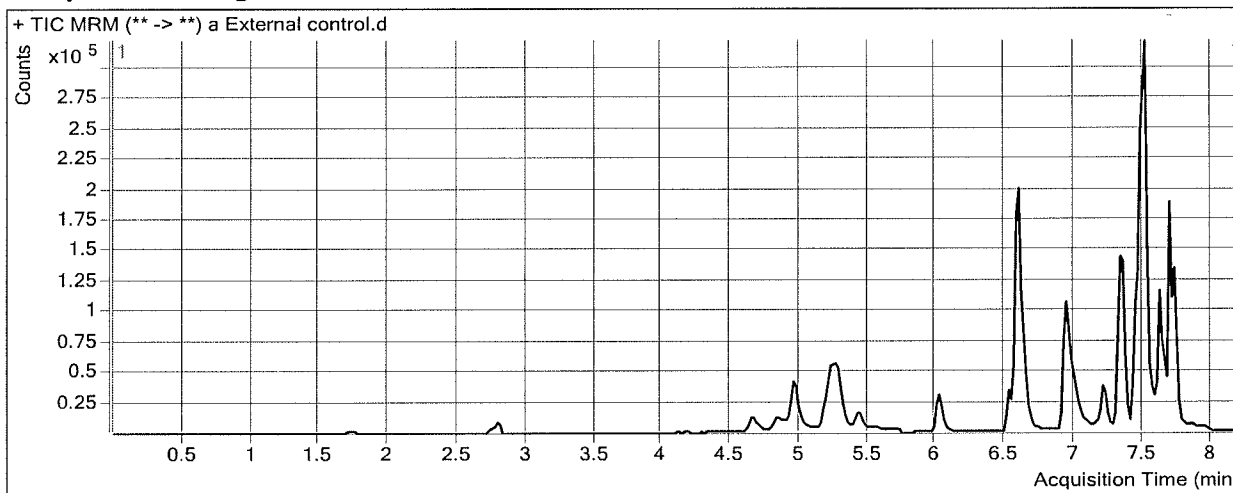
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 14:19 **Data File** a External control.d
Sample Type Sample **Sample Name** a External control-50ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F5 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 81017 50 ng hydrocodone, diphenhydramine, lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.944	30753	43909	0.7004	2.3082 < 5
Hydrocodone	Hydrocodone-D6	5.295	74804	109627	0.6823	40.1296
Diphenhydramine	Diphenhydramine-D3	7.472	113759	153979	0.7388	42.3240
Lorazepam	Alprazolam-D5	7.723	17773	222717	0.0798	41.4169

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

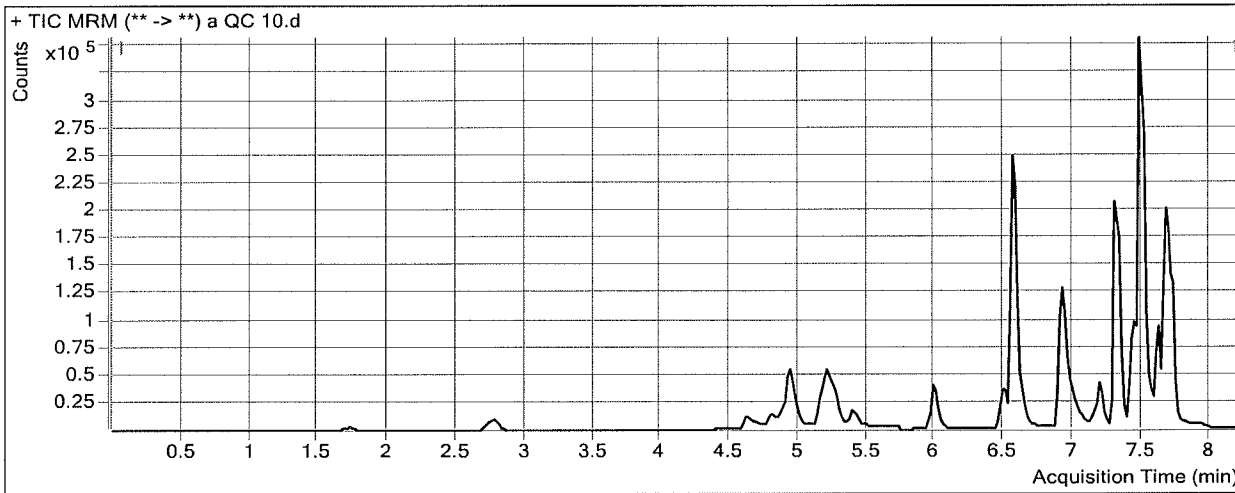
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Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

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 outside linear range
 of curve. Do not
 enter for uncertainty
 budget.*

Analysis Info

Acq Time 2017-05-31 14:45 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.748	2596	3558	0.7297	7.8195
Hydromorphone	Hydromorphone-D6	2.808	11306	37516	0.3014	11.5454
Codeine	Codeine-D6	4.693	5351	24723	0.2164	8.9038
Amphetamine	Amphetamine-D11	4.944	77568	53176	1.4587	12.0031
Oxycodone	Oxycodone-D6	4.971	28396	138401	0.2052	9.3507
Norhydrocodone	Norhydrocodone-D3	5.258	1148	38279	0.0300	11.4394
Hydrocodone	Hydrocodone-D6	5.255	15443	106263	0.1453	9.2187
Methamphetamine	Methamphetamine-D11	5.281	36814	122539	0.3004	11.6625
6-MAM	6-MAM-D6	5.409	816	39119	0.0209	1.0163
Phentermine	Phentermine-D5	6.026	7665	140471	0.0546	9.8687
Dextroprphan	Dextroprphan-D3	6.504	10654	100636	0.1059	9.2912
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	17411	88460	0.1968	10.1416
Tramadol	Tramadol-13C-D3	6.580	132378	689498	0.1920	10.3737
Doxylamine	Doxylamine-D5	6.944	92258	519245	0.1777	11.3433
Bupropion	Bupropion-D9	7.192	5705	31705	0.1800	10.5480
Meprobamate	Meprobamate-D7	7.213	10587	67708	0.1564	11.2034
Venlafaxine	Venlafaxine-D6	7.306	90143	487136	0.1850	10.1330
Citalopram	Citalopram-D6	7.418	18471	101066	0.1828	11.3917
Zolpidem	Zolpidem-D6	7.505	128282	736493	0.1742	10.8274
Diphenhydramine	Diphenhydramine-D3	7.452	29254	148915	0.1964	11.6150
Dextromethorphan	Dextromethorphan-D3	7.449	2451	11620	0.2110	12.0057
Clonazepam	Clonazepam-D4	7.623	8381	12778	0.6559	9.8024
Promethazine	Promethazine-D3	7.607	7045	40133	0.1755	10.7528

A

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

a qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	3967	20898	0.1898	9.5278
Trazodone	Trazodone-D6	7.658	29202	145263	0.2010	10.2613
Carisoprodol	Carisoprodol-D7	7.693	44873	344605	0.1302	10.0821
Lorazepam	Alprazolam-D5	7.703	3274	208761	0.0157	16.8276
Alprazolam	Alprazolam-D5	7.727	44211	208761	0.2118	10.4047



ISP FORENSICS - Cd'A Instrument # 62340

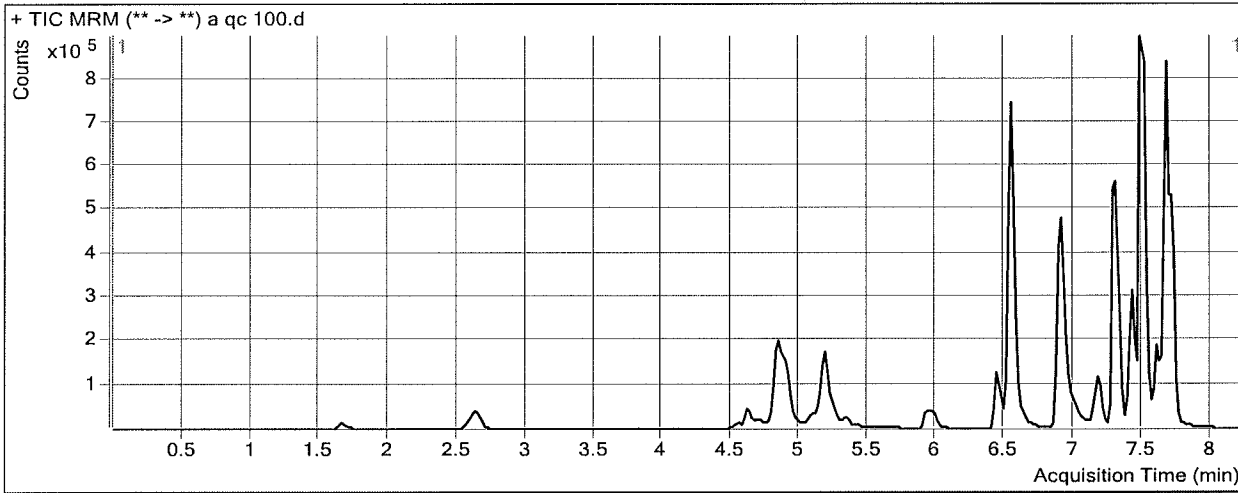
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 18:08	Data File	a qc 100.d
Sample Type	QC	Sample Name	a qc 100
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	25213	2317	10.8826	101.1928
Hydromorphone	Hydromorphone-D6	2.628	122525	41986	2.9183	107.3818 <i>not evaluated</i>
Codeine	Codeine-D6	4.613	54269	24921	2.1776	90.9680
Amphetamine	Amphetamine-D11	4.864	509050	55845	9.1155	109.8941
Oxycodone	Oxycodone-D6	4.890	278550	131936	2.1113	91.8747
Norhydrocodone	Norhydrocodone-D3	5.179	11202	38317	0.2923	104.1448
Hydrocodone	Hydrocodone-D6	5.195	175278	102809	1.7049	98.9870
Methamphetamine	Methamphetamine-D11	5.203	333361	126884	2.6273	109.9294
6-MAM	6-MAM-D6	5.369	7837	37313	0.2100	9.0550
Phentermine	Phentermine-D5	5.987	77386	142150	0.5444	103.8689
Dextroprphan	Dextroprphan-D3	6.441	120954	97682	1.2382	104.0752
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	206455	93513	2.2078	101.8853
Tramadol	Tramadol-13C-D3	6.540	1420706	742670	1.9130	99.8933
Doxylamine	Doxylamine-D5	6.903	921798	501342	1.8387	103.0147
Bupropion	Bupropion-D9	7.172	50920	26661	1.9099	101.6879
Meprobamate	Meprobamate-D7	7.193	105616	59751	1.7676	102.4808
Venlafaxine	Venlafaxine-D6	7.306	1028182	536346	1.9170	93.3776
Citalopram	Citalopram-D6	7.398	237727	117730	2.0193	98.0007
Zolpidem	Zolpidem-D6	7.505	1346834	752746	1.7892	104.1743
Diphenhydramine	Diphenhydramine-D3	7.432	312454	164073	1.9044	108.3205
Dextromethorphan	Dextromethorphan-D3	7.428	29113	14274	2.0396	105.9314
Clonazepam	Clonazepam-D4	7.603	82993	12202	6.8018	95.5518
Promethazine	Promethazine-D3	7.607	114854	71866	1.5982	94.9347

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

a qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	42684	19805	2.1552	98.9251
Trazodone	Trazodone-D6	7.658	323063	149169	2.1658	114.0433
Carisoprodol	Carisoprodol-D7	7.672	486395	294956	1.6490	112.9751
Lorazepam	Alprazolam-D5	7.703	35488	175175	0.2026	88.5037
Alprazolam	Alprazolam-D5	7.727	447969	175175	2.5573	113.8799

ISP FORENSICS - Cd'A Instrument # 62340

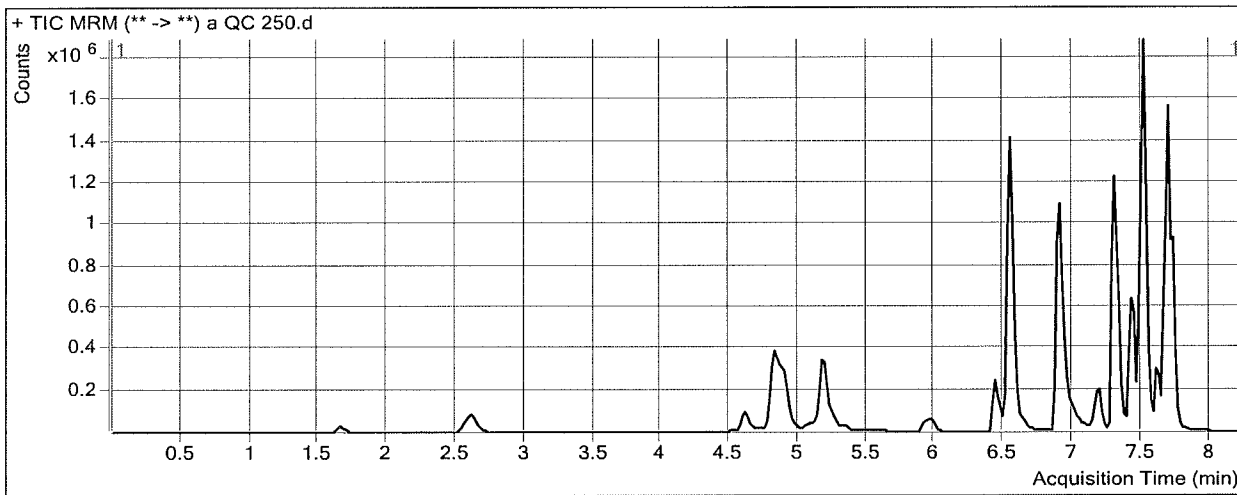
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin		
Analysis Time	6/1/2017 3:51 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:55 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:51 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 22:09	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	55632	2106	26.4157	244.0459
Hydromorphone	Hydromorphone-D6	2.608	273898	37780	7.2497	266.0091 <i>Not evaluated</i>
Codeine	Codeine-D6	4.613	128396	21033	6.1044	255.2810
Amphetamine	Amphetamine-D11	4.844	1100375	51848	21.2231	264.6891
Oxycodone	Oxycodone-D6	4.890	713484	117174	6.0891	264.0944
Norhydrocodone	Norhydrocodone-D3	5.159	24885	33253	0.7484	265.2795
Hydrocodone	Hydrocodone-D6	5.195	391945	88991	4.4043	254.3679
Methamphetamine	Methamphetamine-D11	5.182	674297	118698	5.6808	238.8828
6-MAM	6-MAM-D6	5.349	18207	32672	0.5573	23.8104
Phentermine	Phentermine-D5	5.966	191943	139041	1.3805	264.3129
Dextroprphan	Dextroprphan-D3	6.441	275764	88383	3.1201	261.5958
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	432231	73333	5.8941	270.0639
Tramadol	Tramadol-13C-D3	6.540	3320413	723526	4.5892	239.1021
Doxylamine	Doxylamine-D5	6.903	2686242	507252	5.2957	293.8104
Bupropion	Bupropion-D9	7.192	66475	14172	4.6905	248.1744
Meprobamate	Meprobamate-D7	7.193	234205	52961	4.4222	252.8672
Venlafaxine	Venlafaxine-D6	7.306	2597983	507909	5.1151	247.0871
Citalopram	Citalopram-D6	7.398	597827	112785	5.3006	252.7477
Zolpidem	Zolpidem-D6	7.505	2949924	657542	4.4863	260.0596
Diphenhydramine	Diphenhydramine-D3	7.452	854474	184326	4.6357	262.9724
Dextromethorphan	Dextromethorphan-D3	7.428	80188	14871	5.3923	278.1401
Clonazepam	Clonazepam-D4	7.603	202332	11831	17.1022	239.2636
Promethazine	Promethazine-D3	7.607	277236	67089	4.1324	244.8940

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

a qc 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	95529	16395	5.8267	265.9179
Trazodone	Trazodone-D6	7.678	959825	189664	5.0607	266.9604
Carisoprodol	Carisoprodol-D7	7.693	950992	249980	3.8043	258.9813
Lorazepam	Alprazolam-D5	7.703	84416	149267	0.5655	227.6908
Alprazolam	Alprazolam-D5	7.727	869003	149267	5.8218	257.9000



ISP FORENSICS - Cd'A Instrument # 62340

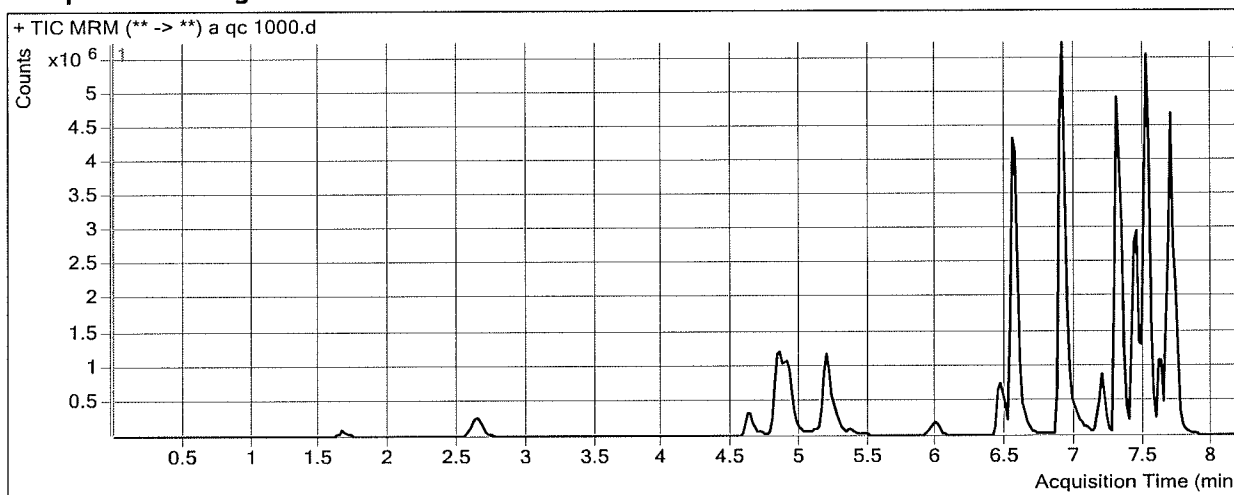
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 23:25 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram






Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	187488	1638	114.4622	1053.7826
Hydromorphone	Hydromorphone-D6	2.628	970220	31996	30.3228	1110.9908 <i>not evaluated</i>
Codeine	Codeine-D6	4.633	460637	18992	24.2542	1014.7354
Amphetamine	Amphetamine-D11	4.844	3531974	48028	73.5394	933.5461
Oxycodone	Oxycodone-D6	4.910	2859155	117573	24.3181	1053.3200
Norhydrocodone	Norhydrocodone-D3	5.179	89434	27344	3.2707	1156.5883
Hydrocodone	Hydrocodone-D6	5.195	1381106	82897	16.6606	959.8442
Methamphetamine	Methamphetamine-D11	5.203	2598407	103414	25.1264	1060.1035
6-MAM	6-MAM-D6	5.369	69753	29563	2.3595	100.3946
Phentermine	Phentermine-D5	5.987	765463	132662	5.7700	1106.6726
Dextroprphan	Dextroprphan-D3	6.463	993773	76959	12.9131	1081.3041
7-aminoclonazepam	7-Aminoclonazepam-D4	6.555	1309992	58371	22.4424	1025.0314
Tramadol	Tramadol-13C-D3	6.540	13741092	634707	21.6495	1126.5219
Doxylamine	Doxylamine-D5	6.903	13442114	576759	23.3063	1287.8334
Bupropion	Bupropion-D9	7.192	592192	28142	21.0428	1109.6640
Meprobamate	Meprobamate-D7	7.193	881478	46079	19.1295	1086.0398
Venlafaxine	Venlafaxine-D6	7.306	10311709	538586	19.1459	921.4603
Citalopram	Citalopram-D6	7.398	2969036	140193	21.1782	1001.5394
Zolpidem	Zolpidem-D6	7.505	10373699	562750	18.4339	1066.2085
Diphenhydramine	Diphenhydramine-D3	7.452	4663782	226710	20.5715	1165.2947
Dextromethorphan	Dextromethorphan-D3	7.428	442932	19747	22.4302	1153.2688
Clonazepam	Clonazepam-D4	7.623	692448	9904	69.9147	976.1107
Promethazine	Promethazine-D3	7.628	1543447	79444	19.4281	1150.0021

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

a qc 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	293048	11692	25.0633	1140.8851
Trazodone	Trazodone-D6	7.678	4688384	280456	16.7170	882.6787
Carisoprodol	Carisoprodol-D7	7.672	1398885	141173	9.9090	672.5438 not a 
Lorazepam	Alprazolam-D5	7.703	296061	81048	3.6529	1411.6665
Alprazolam	Alprazolam-D5	7.727	2167833	81048	26.7474	1181.0679

 The 1000 ng carisoprodol sample was not evaluated - top of peak is cut off. 



ISP FORENSICS - Cd'A Instrument # 62340

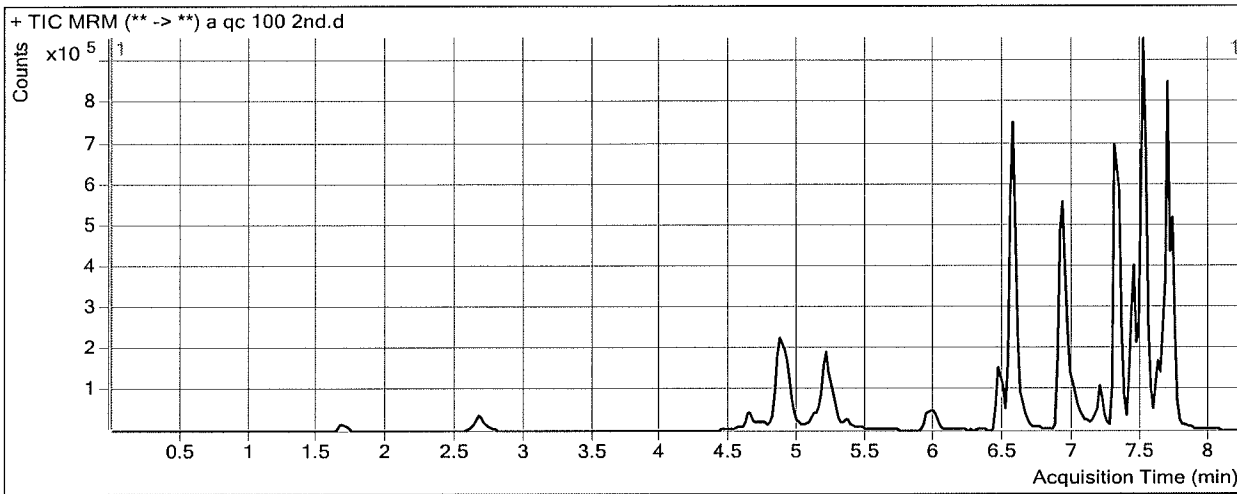
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1a.batch.bin
Analysis Time 6/1/2017 3:51 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:55 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:51 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 23:50 **Data File** a qc 100 2nd.d
Sample Type QC **Sample Name** a qc 100 2nd
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	22521	2155	10.4508	97.2216
Hydromorphone	Hydromorphone-D6	2.668	110338	37682	2.9281	107.7436 <i>not evaluated</i>
Codeine	Codeine-D6	4.653	53388	22513	2.3715	99.0789
Amphetamine	Amphetamine-D11	4.884	571015	58259	9.8014	118.6633
Oxycodone	Oxycodone-D6	4.910	260667	126533	2.0601	89.6586
Norhydrocodone	Norhydrocodone-D3	5.199	11202	39139	0.2862	101.9742
Hydrocodone	Hydrocodone-D6	5.215	173331	102048	1.6985	98.6211
Methamphetamine	Methamphetamine-D11	5.223	390048	145863	2.6741	111.9051
6-MAM	6-MAM-D6	5.369	7601	35055	0.2168	9.3438
Phentermine	Phentermine-D5	6.007	92995	168285	0.5526	105.4434
Dextroprphan	Dextroprphan-D3	6.463	139461	114808	1.2147	102.1080
7-aminoclonazepam	7-Aminoclonazepam-D4	6.555	190816	85593	2.2293	102.8690
Tramadol	Tramadol-13C-D3	6.560	1468835	807058	1.8200	95.0565
Doxylamine	Doxylamine-D5	6.924	1228005	668668	1.8365	102.8949
Bupropion	Bupropion-D9	7.192	34663	19142	1.8109	96.4687
Meprobamate	Meprobamate-D7	7.193	94322	54654	1.7258	100.1124
Venlafaxine	Venlafaxine-D6	7.306	1170536	580911	2.0150	98.0872
Citalopram	Citalopram-D6	7.418	283453	141195	2.0075	97.4474
Zolpidem	Zolpidem-D6	7.505	1222237	682018	1.7921	104.3396
Diphenhydramine	Diphenhydramine-D3	7.452	403778	213421	1.8919	107.6167
Dextromethorphan	Dextromethorphan-D3	7.449	34824	18287	1.9043	98.9801
Clonazepam	Clonazepam-D4	7.623	78413	11845	6.6201	93.0154
Promethazine	Promethazine-D3	7.628	100229	57151	1.7538	104.1421

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

a qc 100
2nd

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	37908	16259	2.3315	106.9419
Trazodone	Trazodone-D6	7.678	407563	198816	2.0499	107.9262
Carisoprodol	Carisoprodol-D7	7.693	403607	276925	1.4575	99.9960
Lorazepam	Alprazolam-D5	7.703	34053	166185	0.2049	89.3945
Alprazolam	Alprazolam-D5	7.727	399992	166185	2.4069	107.2461



ISP FORENSICS - Cd'A Instrument # 62340

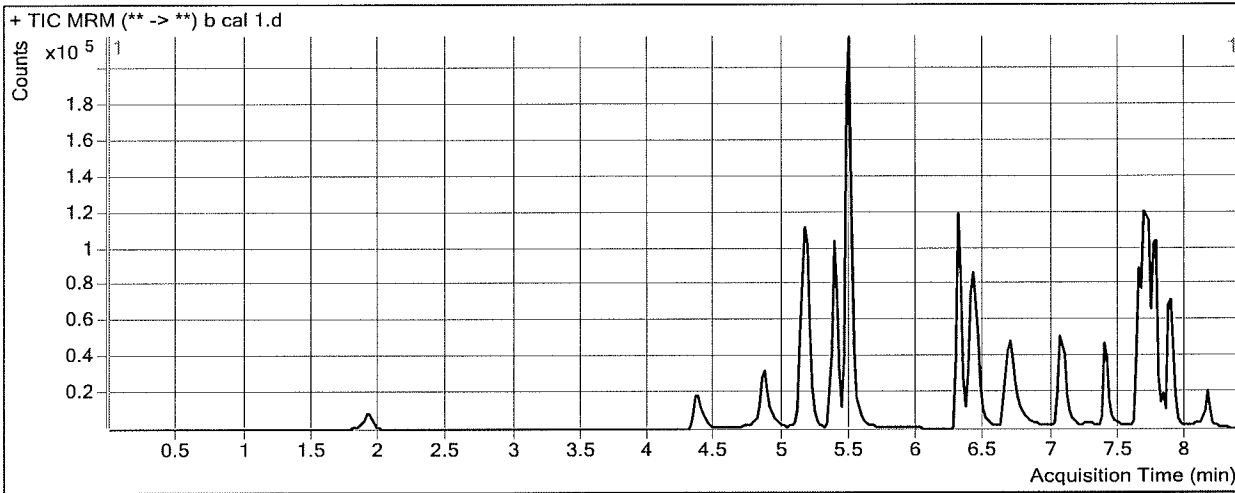
Multi-Drug Confirmatory Analysis Report

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Analysis Time	6/1/2017 3:33 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:53 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:33 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 10:30	Data File	b cal 1.d
Sample Type	Calibration	Sample Name	b cal 1-5ng/mL
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.928	3997	40838	0.0979	6.1240
Dihydrocodeine	Dihydrocodeine-D6	4.437	7943	86436	0.0919	5.4523
Noroxycodone	Noroxycodone-D3	4.897	5086	50206	0.1013	6.4082
Naloxone	Naloxone-D5	4.954	4909	86277	0.0569	5.6586
Naltrexone	Naltrexone-D3	5.172	11027	120474	0.0915	5.1693
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	2773	290399	0.0095	0.5353
Naltrexol	Naltrexol-D3	5.390	31859	283032	0.1126	5.0549
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	68037	686983	0.0990	5.6172
Ketamine	Ketamine-D4	6.422	20701	202789	0.1021	5.1046
Norfentanyl	Norfentanyl-D5	6.324	2641	343731	0.0077	0.6598
alpha-PVP	alpha-PVP-d8	6.709	21206	235797	0.0899	5.1419
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.080	1231	165174	0.0075	0.5773
Norbuprenorphine	Norbuprenorphine-D3	7.255	34	4319	0.0078	0.0000
Fentanyl	Fentanyl-D5	7.400	1022	111873	0.0091	0.5346
EDDP	EDDP-D3	7.410	1314	14672	0.0896	6.4932
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	4355	50438	0.0863	6.1959
Sufentanil	Sufentanil-D5	7.720	1054	90435	0.0117	0.6210
Quetiapine	Quetiapine-D8	7.700	30552	87746	0.3482	5.7815
Methadone	Methadone-D9	7.643	10907	137825	0.0791	5.9381
Fluoxetine	Fluoxetine-D6	7.685	12086	135868	0.0890	6.1093
Oxazepam	Oxazepam-D5	7.710	2641	24790	0.1065	5.2065
Sertraline	Sertraline-D3	7.746	3369	38983	0.0864	5.9546
Temazepam	Temazepam-D5	7.768	15654	185551	0.0844	8.1173

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

b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	4167	26705	0.1560	5.6513
Diazepam	Diazepam-D5	7.891	13610	160650	0.0847	5.5710
Buprenorphine	Buprenorphine-D4	8.219	612	46110	0.0133	0.6218



b cal 2

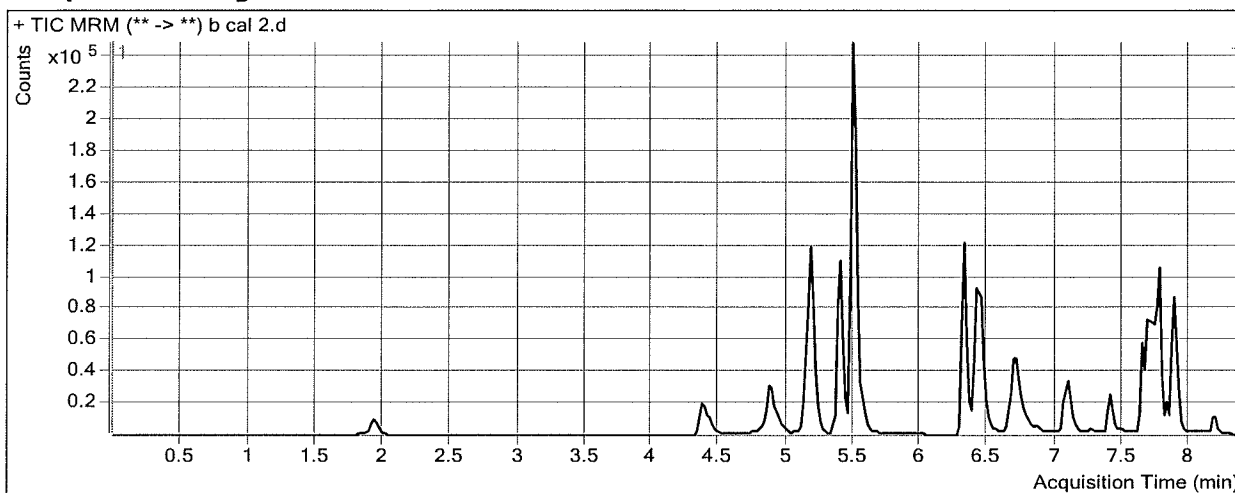
ISP FORENSICS - Cd'A Instrument # 62340 Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
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Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 10:56 **Data File** b cal 2.d
Sample Type Calibration **Sample Name** b cal 2-10ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.948	7888	40282	0.1958	10.5634
Dihydrocodeine	Dihydrocodeine-D6	4.437	15016	89091	0.1685	9.5676
Noroxycodone	Noroxycodone-D3	4.917	9067	51755	0.1752	9.8063
Naloxone	Naloxone-D5	4.974	8282	78147	0.1060	9.6647
Naltrexone	Naltrexone-D3	5.192	21948	115963	0.1893	9.7336
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	4980	289984	0.0172	0.9189
Naltrexol	Naltrexol-D3	5.390	60650	275072	0.2205	9.8206
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.519	134231	687387	0.1953	10.1981
Ketamine	Ketamine-D4	6.442	40396	194987	0.2072	9.8576
Norfentanyl	Norfentanyl-D5	6.344	5863	341530	0.0172	1.1284
alpha-PVP	alpha-PVP-d8	6.709	42941	236208	0.1818	9.7250
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	1607	105591	0.0152	1.0613
Norbuprenorphine	Norbuprenorphine-D3	7.255	80	2766	0.0291	0.3972
Fentanyl	Fentanyl-D5	7.420	1195	50608	0.0236	1.2249
EDDP	EDDP-D3	7.410	2152	14828	0.1451	9.2876
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	4167	21090	0.1976	11.0526
Sufentanil	Sufentanil-D5	7.720	726	35694	0.0203	1.0228
Quetiapine	Quetiapine-D8	7.721	49748	72269	0.6884	10.1421
Methadone	Methadone-D9	7.643	14005	87872	0.1594	10.3336
Fluoxetine	Fluoxetine-D6	7.685	8845	52379	0.1689	10.0885
Oxazepam	Oxazepam-D5	7.730	4973	25974	0.1915	9.5289
Sertraline	Sertraline-D3	7.767	2591	14776	0.1754	10.4242
Temazepam	Temazepam-D5	7.768	27947	170388	0.1640	12.1740

b cal 2

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	7096	25484	0.2785	9.4831
Diazepam	Diazepam-D5	7.891	27904	149869	0.1862	9.8075
Buprenorphine	Buprenorphine-D4	8.240	661	27225	0.0243	1.1554



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

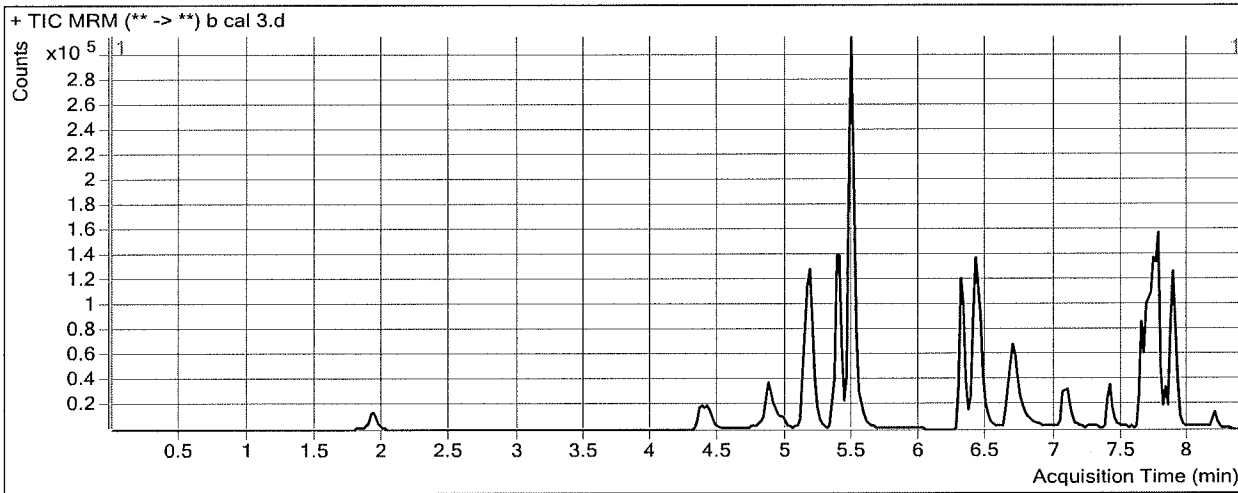
b cal 3

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 11:21 **Data File** b cal 3.d
Sample Type Calibration **Sample Name** b cal 3-25ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.928	19839	42067	0.4716	23.0666
Dihydrocodeine	Dihydrocodeine-D6	4.437	39001	88179	0.4423	24.2636
Noroxycodone	Noroxycodone-D3	4.917	23915	52490	0.4556	22.7035
Naloxone	Naloxone-D5	4.974	23783	85176	0.2792	23.8040
Naltrexone	Naltrexone-D3	5.192	55532	116924	0.4749	23.0746
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	13126	296702	0.0442	2.2808
Naltrexol	Naltrexol-D3	5.390	159748	286035	0.5585	24.7457
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	343623	708464	0.4850	23.9900
Ketamine	Ketamine-D4	6.422	102600	203296	0.5047	23.3132
Norfentanyl	Norfentanyl-D5	6.324	15872	364871	0.0435	2.4294
alpha-PVP	alpha-PVP-d8	6.709	108368	234324	0.4625	23.7292
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.080	3504	109194	0.0321	2.1123
Norbuprenorphine	Norbuprenorphine-D3	7.255	214	3062	0.0700	2.7754
Fentanyl	Fentanyl-D5	7.400	3075	68268	0.0450	2.2463
EDDP	EDDP-D3	7.410	7353	16209	0.4536	24.8023
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	15282	32186	0.4748	23.1533
Sufentanil	Sufentanil-D5	7.720	2269	47020	0.0483	2.3168
Quetiapine	Quetiapine-D8	7.721	130858	72535	1.8041	24.4431
Methadone	Methadone-D9	7.643	38634	97604	0.3958	23.2861
Fluoxetine	Fluoxetine-D6	7.685	33338	76122	0.4380	23.4864
Oxazepam	Oxazepam-D5	7.730	12012	25067	0.4792	24.1756
Sertraline	Sertraline-D3	7.767	8744	20597	0.4245	22.9447
Temazepam	Temazepam-D5	7.768	80140	184168	0.4351	25.9815

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

b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	20617	28070	0.7345	23.7575
Diazepam	Diazepam-D5	7.891	83284	158800	0.5245	23.9298
Buprenorphine	Buprenorphine-D4	8.260	1505	32463	0.0463	2.2246



ISP FORENSICS - Cd'A Instrument # 62340

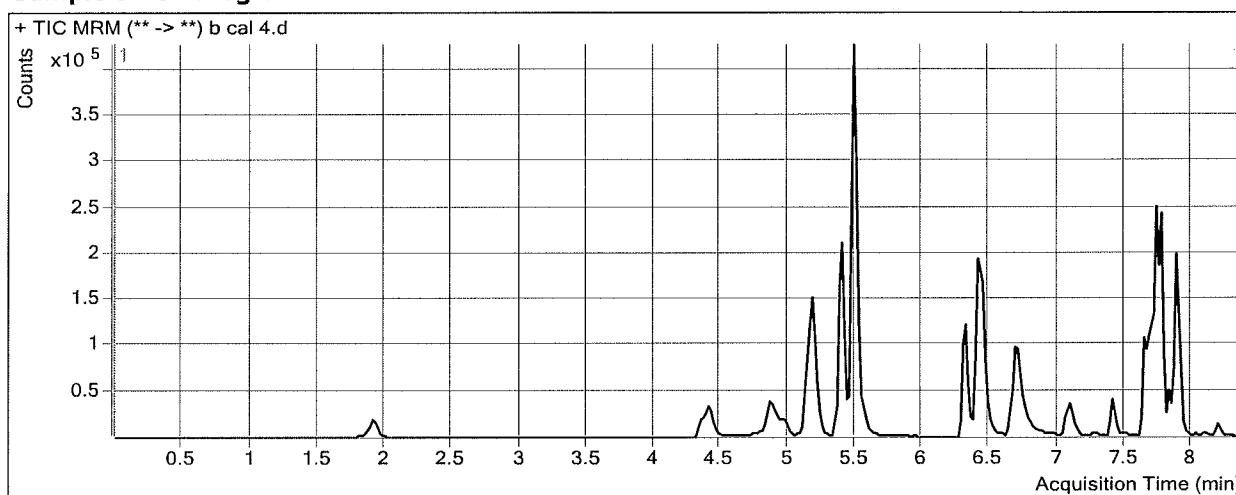
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin		
Analysis Time	6/1/2017 3:33 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:53 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:33 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 11:47	Data File	b cal 4.d
Sample Type	Calibration	Sample Name	b cal 4-50ng/mL
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.928	40227	41692	0.9649	45.4276
Dihydrocodeine	Dihydrocodeine-D6	4.417	79805	88766	0.8990	48.7841
Noroxycodone	Noroxycodone-D3	4.917	48709	49790	0.9783	46.7411
Naloxone	Naloxone-D5	4.974	46759	79438	0.5886	49.0565
Naltrexone	Naltrexone-D3	5.192	108072	108035	1.0003	47.6102
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	28017	290638	0.0964	4.9051
Naltrexol	Naltrexol-D3	5.390	316566	276707	1.1440	50.6019
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	697697	698947	0.9982	48.4175
Ketamine	Ketamine-D4	6.442	215480	198423	1.0860	49.6029
Norfentanyl	Norfentanyl-D5	6.344	32886	361493	0.0910	4.7745
alpha-PVP	alpha-PVP-d8	6.709	232592	245215	0.9485	47.9800
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	8186	107871	0.0759	4.8407
Norbuprenorphine	Norbuprenorphine-D3	7.255	349	3482	0.1003	4.5328
Fentanyl	Fentanyl-D5	7.400	6031	63328	0.0952	4.6393
EDDP	EDDP-D3	7.410	14517	16891	0.8595	45.2115
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	27178	28420	0.9563	44.1733
Sufentanil	Sufentanil-D5	7.740	4747	46993	0.1010	4.7609
Quetiapine	Quetiapine-D8	7.721	271516	73562	3.6910	48.6292
Methadone	Methadone-D9	7.664	79391	94991	0.8358	47.3863
Fluoxetine	Fluoxetine-D6	7.705	67607	73600	0.9186	47.4162
Oxazepam	Oxazepam-D5	7.730	23568	26070	0.9040	45.8009
Sertraline	Sertraline-D3	7.767	16464	19004	0.8663	45.1441
Temazepam	Temazepam-D5	7.768	151604	178425	0.8497	47.0928

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

b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	42946	28025	1.5324	48.7344
Diazepam	Diazepam-D5	7.891	163842	148744	1.1015	48.0213
Buprenorphine	Buprenorphine-D4	8.260	2904	31446	0.0923	4.4533



ISP FORENSICS - Cd'A Instrument # 62340

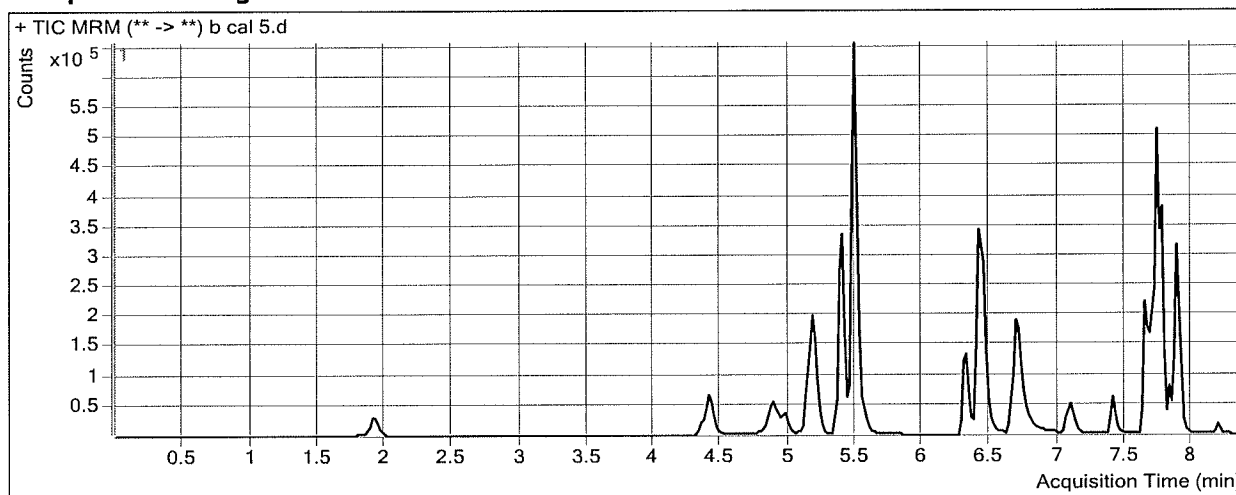
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 12:12 **Data File** b cal 5.d
Sample Type Calibration **Sample Name** b cal 5-100ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.928	82165	40284	2.0396	94.1517
Dihydrocodeine	Dihydrocodeine-D6	4.417	168173	88950	1.8907	102.0182
Noroxycodone	Noroxycodone-D3	4.897	102396	50121	2.0430	95.7076
Naloxone	Naloxone-D5	4.974	90352	75146	1.2024	99.1472
Naltrexone	Naltrexone-D3	5.172	210677	102083	2.0638	97.2726
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	58432	297746	0.1962	9.9292
Naltrexol	Naltrexol-D3	5.390	628276	272847	2.3027	101.7632
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	1440533	707423	2.0363	97.8306
Ketamine	Ketamine-D4	6.422	456447	206265	2.2129	100.5720
Norfentanyl	Norfentanyl-D5	6.344	76236	391668	0.1946	9.8963
alpha-PVP	alpha-PVP-d8	6.709	528861	271296	1.9494	97.9166
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	20507	135472	0.1514	9.5437
Norbuprenorphine	Norbuprenorphine-D3	7.255	673	3589	0.1875	9.5937
Fentanyl	Fentanyl-D5	7.400	14534	77206	0.1883	9.0739
EDDP	EDDP-D3	7.410	43150	23419	1.8425	94.6522
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	61433	31283	1.9638	88.1523
Sufentanil	Sufentanil-D5	7.740	9725	47710	0.2038	9.5250
Quetiapine	Quetiapine-D8	7.721	626087	87475	7.1573	93.0608
Methadone	Methadone-D9	7.643	204810	120481	1.6999	94.7241
Fluoxetine	Fluoxetine-D6	7.685	137095	74301	1.8451	93.5494
Oxazepam	Oxazepam-D5	7.730	46683	25685	1.8175	92.3006
Sertraline	Sertraline-D3	7.767	35757	18327	1.9510	99.6515
Temazepam	Temazepam-D5	7.768	292190	175450	1.6654	88.6341



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

b cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	81555	26348	3.0953	97.6549
Diazepam	Diazepam-D5	7.891	320485	148057	2.1646	92.4050
Buprenorphine	Buprenorphine-D4	8.260	7200	37755	0.1907	9.2189



ISP FORENSICS - Cd'A Instrument # 62340

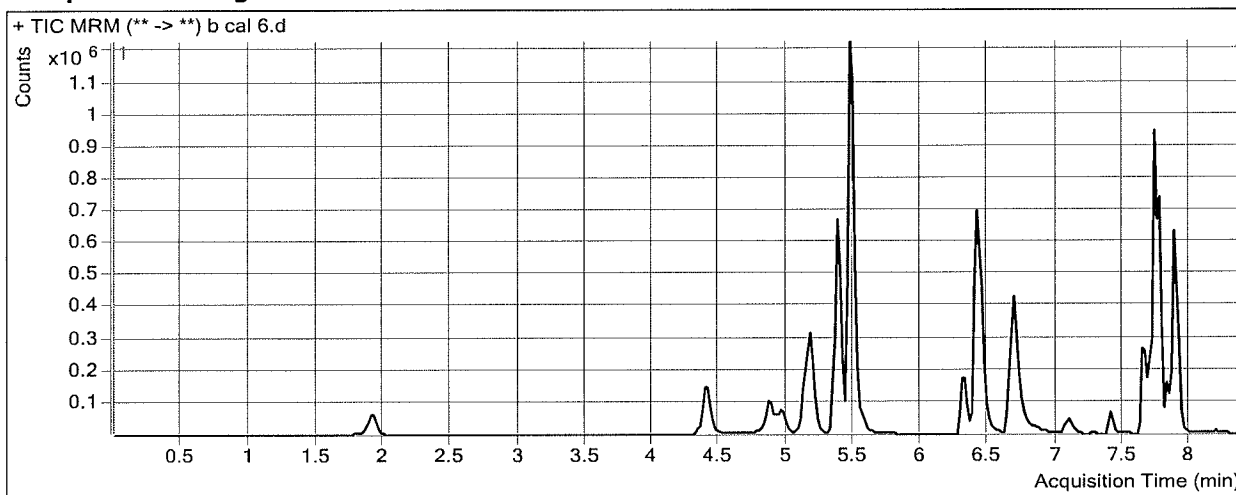
Multi-Drug Confirmatory Analysis Report

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Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 12:38 **Data File** b cal 6.d
Sample Type Calibration **Sample Name** b cal 6-250ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.928	202656	39251	5.1630	235.7488
Dihydrocodeine	Dihydrocodeine-D6	4.417	404018	89347	4.5219	243.2761
Noroxycodone	Noroxycodone-D3	4.897	234806	47779	4.9144	227.7677
Naloxone	Naloxone-D5	4.954	193896	67388	2.8773	235.8508
Naltrexone	Naltrexone-D3	5.172	473197	89210	5.3043	248.6033
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.204	152386	287627	0.5298	26.7119
Naltrexol	Naltrexol-D3	5.370	1459630	260536	5.6024	247.4692
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	3528137	712960	4.9486	236.4536
Ketamine	Ketamine-D4	6.422	1096396	201836	5.4321	246.1678
Norfentanyl	Norfentanyl-D5	6.324	197549	417826	0.4728	23.6380
alpha-PVP	alpha-PVP-d8	6.688	1237879	250081	4.9499	247.6232
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	37635	94314	0.3990	24.9738
Norbuprenorphine	Norbuprenorphine-D3	7.255	1152	2488	0.4632	25.5981
Fentanyl	Fentanyl-D5	7.400	19889	41191	0.4828	23.1184
EDDP	EDDP-D3	7.410	85249	18970	4.4939	227.9887
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	76353	14524	5.2569	231.9047
Sufentanil	Sufentanil-D5	7.740	11355	23279	0.4878	22.6783
Quetiapine	Quetiapine-D8	7.721	1304621	71380	18.2770	235.5916
Methadone	Methadone-D9	7.664	336644	79110	4.2554	234.7119
Fluoxetine	Fluoxetine-D6	7.705	152815	32123	4.7572	238.5429
Oxazepam	Oxazepam-D5	7.730	118343	24249	4.8804	248.2107
Sertraline	Sertraline-D3	7.767	37676	8447	4.4604	225.7445
Temazepam	Temazepam-D5	7.768	738955	167572	4.4098	228.3996

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

b cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	192175	23639	8.1295	255.2310
Diazepam	Diazepam-D5	7.891	753612	118091	6.3816	268.4636
Buprenorphine	Buprenorphine-D4	8.260	10322	22572	0.4573	22.1346



ISP FORENSICS - Cd'A Instrument # 62340

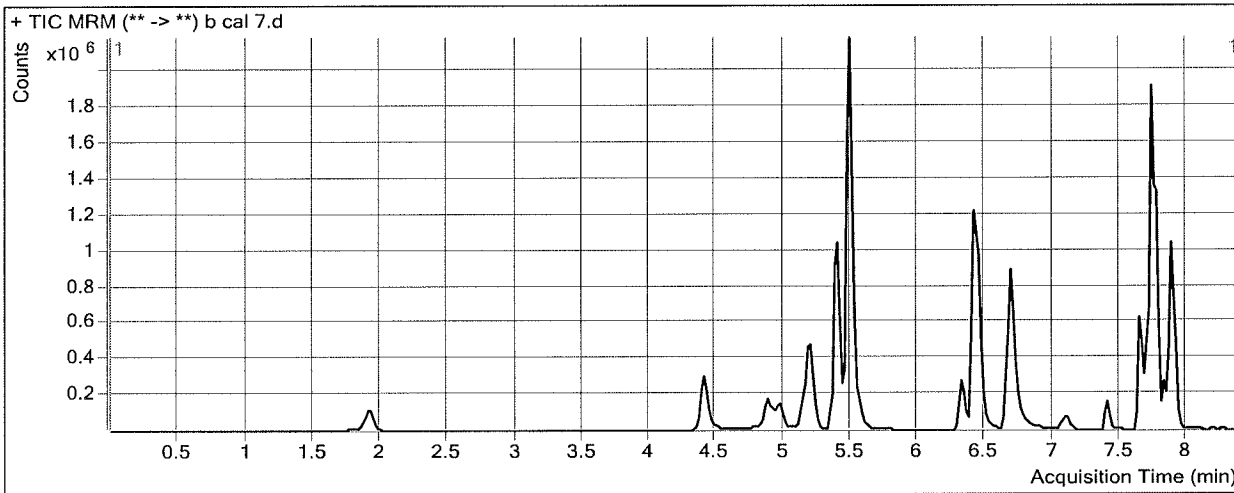
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 13:03 **Data File** b cal 7.d
Sample Type Calibration **Sample Name** b cal 7-500ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.908	392597	37350	10.5113	478.2059
Dihydrocodeine	Dihydrocodeine-D6	4.417	792321	84043	9.4276	506.6381
Noroxycodone	Noroxycodone-D3	4.897	448526	41756	10.7416	495.7642
Naloxone	Naloxone-D5	4.974	361124	57141	6.3198	516.8180
Naltrexone	Naltrexone-D3	5.172	793156	69084	11.4810	537.0479
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	311651	274549	1.1351	57.1695
Naltrexol	Naltrexol-D3	5.390	2620449	232838	11.2544	497.0433
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	6716520	657436	10.2162	487.1919
Ketamine	Ketamine-D4	6.422	2068814	183235	11.2905	511.1266
Norfentanyl	Norfentanyl-D5	6.344	423398	426344	0.9931	49.3416
alpha-PVP	alpha-PVP-d8	6.688	2569547	246530	10.4229	520.6884
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	91011	111665	0.8150	50.8910
Norbuprenorphine	Norbuprenorphine-D3	7.255	1755	2241	0.7830	44.1596
Fentanyl	Fentanyl-D5	7.400	49342	45699	1.0797	51.5725
EDDP	EDDP-D3	7.410	240253	24952	9.6288	486.2296
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	195802	17128	11.4315	501.4437
Sufentanil	Sufentanil-D5	7.740	27394	27288	1.0039	46.5908
Quetiapine	Quetiapine-D8	7.721	2770615	73598	37.6451	483.8501
Methadone	Methadone-D9	7.643	727250	81545	8.9184	490.1483
Fluoxetine	Fluoxetine-D6	7.705	334871	35523	9.4269	471.0438
Oxazepam	Oxazepam-D5	7.730	228872	22376	10.2283	520.4382
Sertraline	Sertraline-D3	7.767	91256	8908	10.2439	516.3668
Temazepam	Temazepam-D5	7.768	1364487	149439	9.1307	468.8263



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

b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	333730	20946	15.9329	499.4878
Diazepam	Diazepam-D5	7.891	1385203	121691	11.3829	477.2663
Buprenorphine	Buprenorphine-D4	8.260	22757	23386	0.9731	47.1251



ISP FORENSICS - Cd'A Instrument # 62340

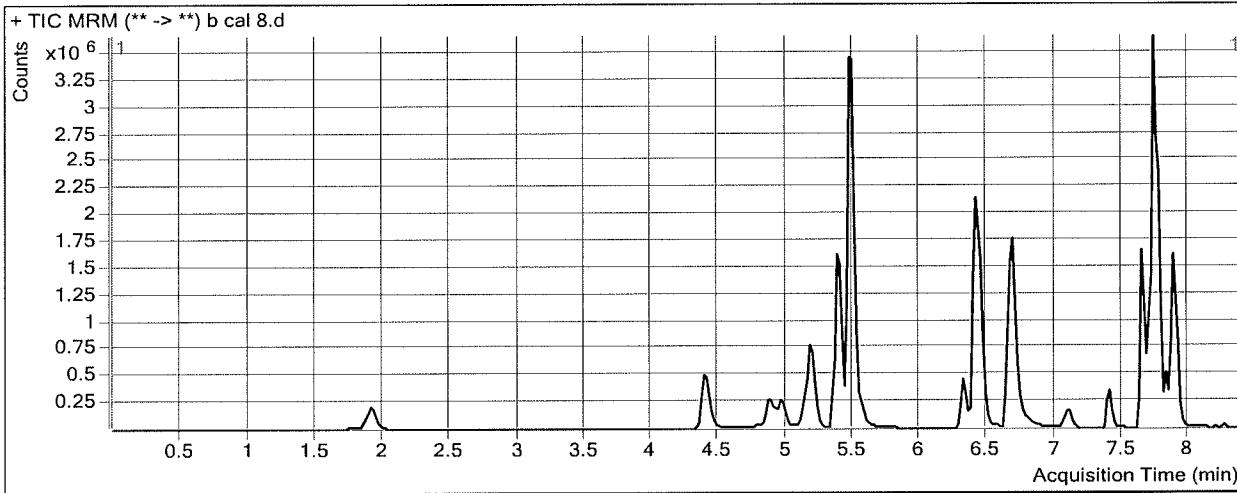
Multi-Drug Confirmatory Analysis Report

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Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 13:29 **Data File** b cal 8.d
Sample Type Calibration **Sample Name** b cal 8-1000ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.908	765135	33192	23.0516	1046.7120
Dihydrocodeine	Dihydrocodeine-D6	4.395	1437209	79883	17.9913	966.3772
Noroxycodone	Noroxycodone-D3	4.897	827972	36850	22.4687	1035.1015
Naloxone	Naloxone-D5	4.974	712185	45387	15.6915	1281.7048
Naltrexone	Naltrexone-D3	5.172	1303872	56617	23.0297	1076.3642
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.204	620782	241264	2.5730	129.5179
Naltrexol	Naltrexol-D3	5.370	4465584	196515	22.7239	1003.5012
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	12474672	576832	21.6262	1030.3010
Ketamine	Ketamine-D4	6.422	3831172	164148	23.3398	1056.0834
Norfentanyl	Norfentanyl-D5	6.324	857595	415321	2.0649	102.2918
alpha-PVP	alpha-PVP-d8	6.688	5366739	248238	21.6193	1079.3208
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	270444	143522	1.8843	117.5107
Norbuprenorphine	Norbuprenorphine-D3	7.255	4276	2048	2.0880	119.9154
Fentanyl	Fentanyl-D5	7.400	133240	62587	2.1289	101.5902
EDDP	EDDP-D3	7.390	570393	27494	20.7462	1045.3348
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	497495	21054	23.6295	1033.9241
Sufentanil	Sufentanil-D5	7.740	75472	32861	2.2967	106.4843
Quetiapine	Quetiapine-D8	7.721	5546234	68542	80.9167	1038.5017
Methadone	Methadone-D9	7.643	1890030	100337	18.8368	1033.4716
Fluoxetine	Fluoxetine-D6	7.685	717597	34090	21.0501	1049.7634
Oxazepam	Oxazepam-D5	7.730	422466	18439	22.9111	1166.0393
Sertraline	Sertraline-D3	7.767	234323	11633	20.1425	1013.7696
Temazepam	Temazepam-D5	7.768	2637070	126689	20.8153	1063.8917

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

b-cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	583193	15812	36.8830	1155.2562
Diazepam	Diazepam-D5	7.891	2396758	98482	24.3371	1018.0976
Buprenorphine	Buprenorphine-D4	8.260	57331	25938	2.2103	107.0662



ISP FORENSICS - Cd'A Instrument # 62340

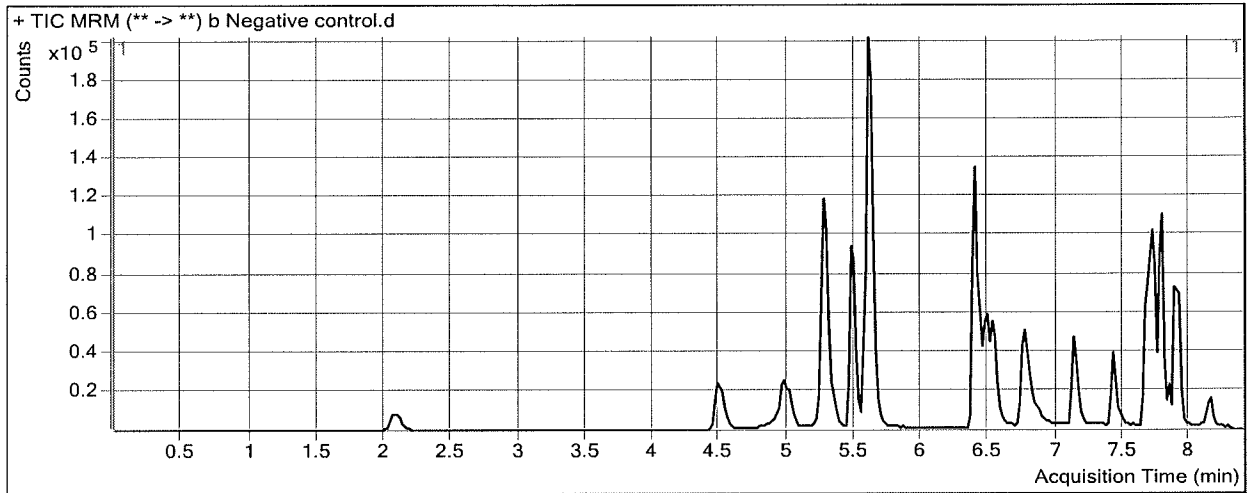
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 14:07 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

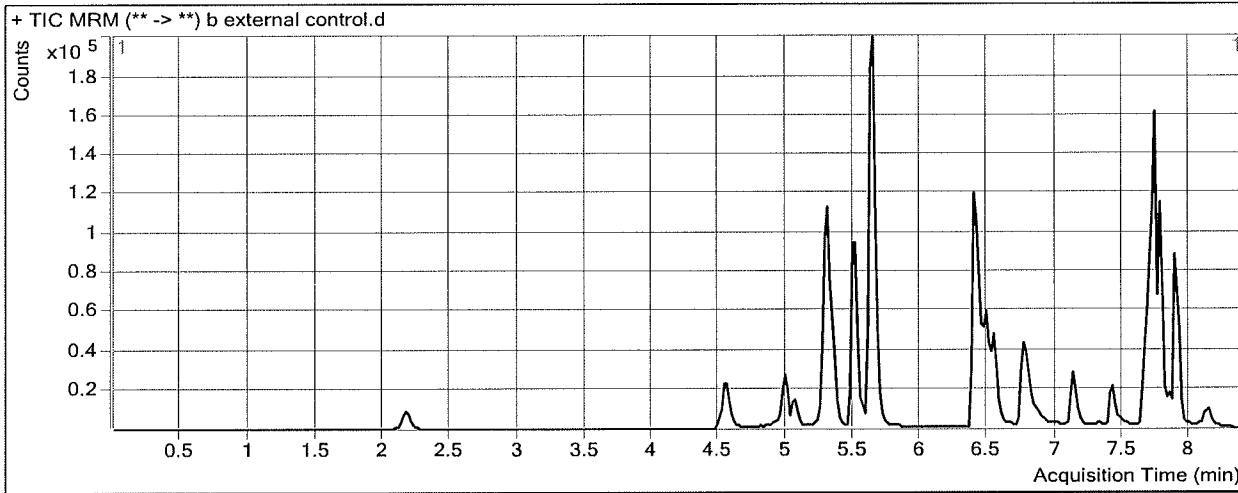
Multi-Drug Confirmatory Analysis Report

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Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 14:32 **Data File** b external control.d
Sample Type Sample **Sample Name** b external control-50ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F5 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 81017 50 ng quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Quetiapine	Quetiapine-D8	7.721	234094	75741	3.0907	40.9353

ISP FORENSICS - Cd'A Instrument # 62340

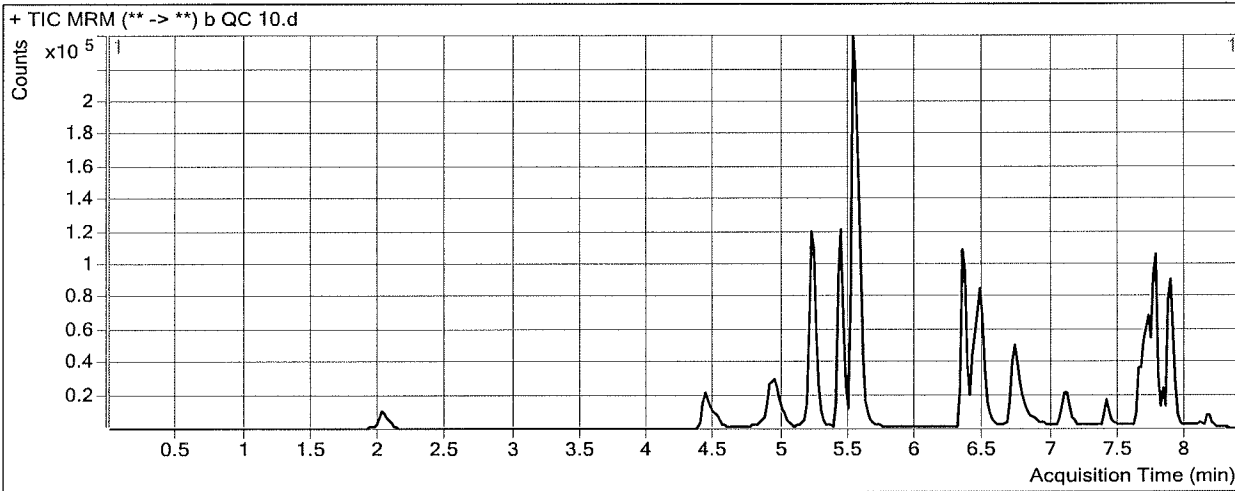
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin		
Analysis Time	6/1/2017 3:33 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:53 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:33 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-31 14:58	Data File	b QC 10.d
Sample Type	QC	Sample Name	b QC 10
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	8362	42245	0.1980	10.6605
Dihydrocodeine	Dihydrocodeine-D6	4.496	16817	92105	0.1826	10.3210
Noroxycodone	Noroxycodone-D3	4.977	10492	55169	0.1902	10.4961
Naloxone	Naloxone-D5	5.014	12421	85436	0.1454	12.8804
Naltrexone	Naltrexone-D3	5.232	23439	123579	0.1897	9.7523
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	5435	312729	0.0174	0.9294
Naltrexol	Naltrexol-D3	5.430	70243	305498	0.2299	10.2374
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	137602	716666	0.1920	10.0422
Ketamine	Ketamine-D4	6.462	43244	212354	0.2036	9.6978
Norfentanyl	Norfentanyl-D5	6.384	5958	343621	0.0173	1.1369
alpha-PVP	alpha-PVP-d8	6.749	45506	236697	0.1923	10.2470
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	1101	75110	0.0147	1.0259
Norbuprenorphine	Norbuprenorphine-D3	7.275	35	1568	0.0221	0.0000 <i>not evaluated</i>
Fentanyl	Fentanyl-D5	7.400	641	30726	0.0209	1.0940
EDDP	EDDP-D3	7.410	2151	11564	0.1860	11.3446
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	2317	10735	0.2159	11.8498
Sufentanil	Sufentanil-D5	7.720	380	17920	0.0212	1.0634
Quetiapine	Quetiapine-D8	7.721	53010	67113	0.7899	11.4430
Methadone	Methadone-D9	7.643	10023	59583	0.1682	10.8181
Fluoxetine	Fluoxetine-D6	7.685	4095	19917	0.2056	11.9176
Oxazepam	Oxazepam-D5	7.710	5277	28118	0.1877	9.3366
Sertraline	Sertraline-D3	7.767	1440	6475	0.2225	12.7914
Temazepam	Temazepam-D5	7.768	34225	197219	0.1735	12.6585

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

b ac 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	8549	26647	0.3208	10.8090
Diazepam	Diazepam-D5	7.891	37331	172536	0.2164	11.0672
Buprenorphine	Buprenorphine-D4	8.240	391	18794	0.0208	0.9872

ISP FORENSICS - Cd'A Instrument # 62340

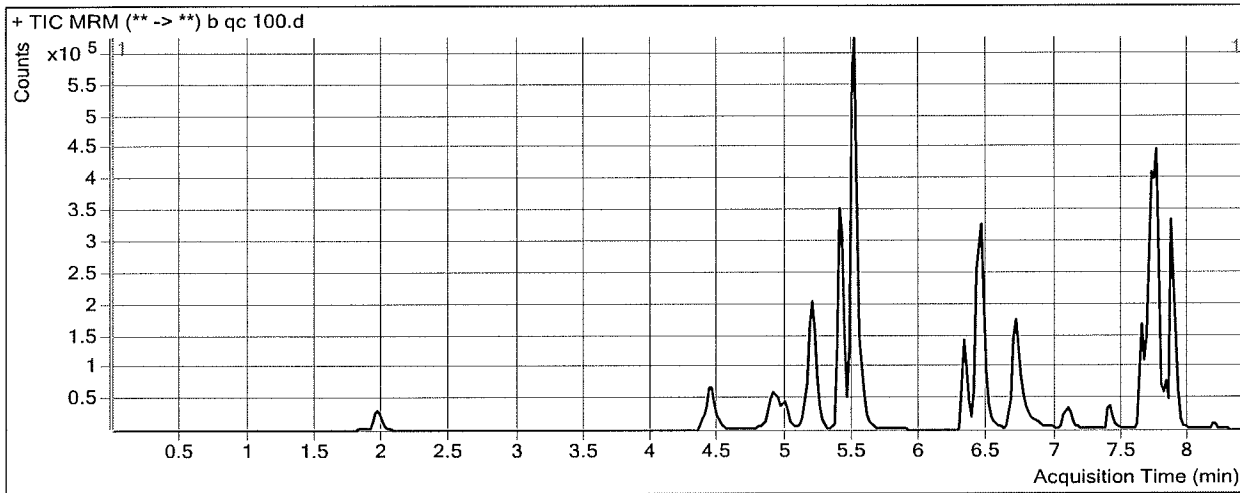
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time	6/1/2017 3:33 PM
Report Time	6/1/2017 3:53 PM
Last Calib Update	6/1/2017 3:33 PM
Analyst Name	ISP Tox
Reporter Name	ISP Tox
Batch State	Processed

Analysis Info

Acq Time	2017-05-31 18:21	Data File	b qc 100.d
Sample Type	QC	Sample Name	b qc 100
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	88501	40601	2.1797	100.5031
Dihydrocodeine	Dihydrocodeine-D6	4.457	179986	90651	1.9855	107.1090
Noroxycodone	Noroxycodone-D3	4.937	111978	51175	2.1881	102.3838
Naloxone	Naloxone-D5	4.994	103187	76593	1.3472	110.9697
Naltrexone	Naltrexone-D3	5.192	229608	112623	2.0387	96.1025
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.224	65761	305039	0.2156	10.9019
Naltrexol	Naltrexol-D3	5.390	694013	284301	2.4411	107.8767
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.519	1469615	713025	2.0611	99.0105
Ketamine	Ketamine-D4	6.442	476038	204826	2.3241	105.6009
Norfentanyl	Norfentanyl-D5	6.344	72665	383691	0.1894	9.6364
alpha-PVP	alpha-PVP-d8	6.709	516696	240045	2.1525	108.0503
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	14099	94141	0.1498	9.4434
Norbuprenorphine	Norbuprenorphine-D3	7.255	475	2100	0.2261	11.8360 <i>not evaluated</i>
Fentanyl	Fentanyl-D5	7.400	10402	51153	0.2034	9.7940
EDDP	EDDP-D3	7.410	33684	16525	2.0384	104.5005
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	44713	21839	2.0474	91.8042
Sufentanil	Sufentanil-D5	7.720	6574	33936	0.1937	9.0564
Quetiapine	Quetiapine-D8	7.721	618593	75313	8.2136	106.6003
Methadone	Methadone-D9	7.643	146726	81304	1.8047	100.4608
Fluoxetine	Fluoxetine-D6	7.685	109850	53994	2.0345	102.9766
Oxazepam	Oxazepam-D5	7.710	51208	22708	2.2550	114.5725
Sertraline	Sertraline-D3	7.746	37622	18282	2.0579	105.0210
Temazepam	Temazepam-D5	7.748	364001	182489	1.9946	105.4029

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

b qL 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	85886	26124	3.2877	103.6753
Diazepam	Diazepam-D5	7.871	375539	152403	2.4641	104.9100
Buprenorphine	Buprenorphine-D4	8.240	4548	24139	0.1884	9.1067



ISP FORENSICS - Cd'A Instrument # 62340

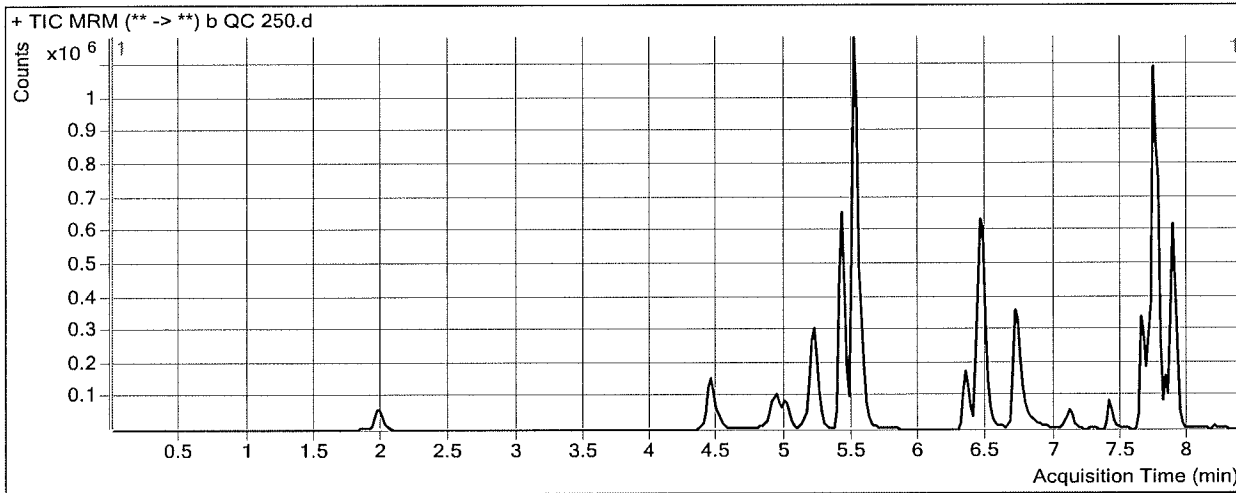
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 22:21 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	205057	37064	5.5325	252.4990
Dihydrocodeine	Dihydrocodeine-D6	4.457	414611	83771	4.9493	266.2233
Noroxycodone	Noroxycodone-D3	4.937	252810	45665	5.5362	256.3638
Naloxone	Naloxone-D5	5.014	209315	59172	3.5374	289.7266
Naltrexone	Naltrexone-D3	5.212	494249	82734	5.9739	279.8739
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.244	156996	282313	0.5561	28.0354
Naltrexol	Naltrexol-D3	5.410	1475810	253335	5.8255	257.3213
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.519	3385374	656243	5.1587	246.4561
Ketamine	Ketamine-D4	6.442	1114889	191711	5.8155	263.5053
Norfentanyl	Norfentanyl-D5	6.364	198522	393555	0.5044	25.2006
alpha-PVP	alpha-PVP-d8	6.709	1179242	221004	5.3358	266.8788
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	47595	115157	0.4133	25.8625
Norbuprenorphine	Norbuprenorphine-D3	7.275	1000	2378	0.4203	23.1089 not evaluated
Fentanyl	Fentanyl-D5	7.420	26289	49987	0.5259	25.1716
EDDP	EDDP-D3	7.410	106354	20402	5.2128	264.1453
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	94145	16542	5.6913	250.8666
Sufentanil	Sufentanil-D5	7.740	17119	31175	0.5491	25.5208
Quetiapine	Quetiapine-D8	7.721	1581271	78835	20.0580	258.4195
Methadone	Methadone-D9	7.643	393236	85906	4.5775	252.3571
Fluoxetine	Fluoxetine-D6	7.685	140633	28483	4.9374	247.5141
Oxazepam	Oxazepam-D5	7.730	118994	22909	5.1943	264.1889
Sertraline	Sertraline-D3	7.767	40475	9222	4.3891	222.1627
Temazepam	Temazepam-D5	7.768	778430	157014	4.9577	256.3040

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

b ac 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	179205	23153	7.7399	243.0378
Diazepam	Diazepam-D5	7.891	800101	135455	5.9067	248.6379
Buprenorphine	Buprenorphine-D4	8.260	12186	24896	0.4895	23.6940

ISP FORENSICS - Cd'A Instrument # 62340

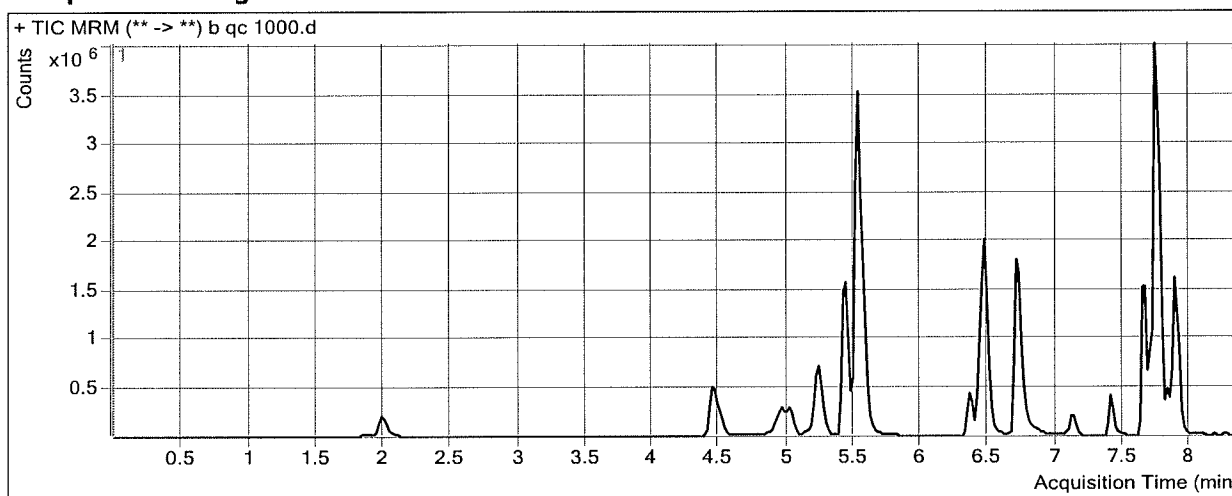
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Analysis Time 6/1/2017 3:33 PM **Analyst Name** ISP Tox
Report Time 6/1/2017 3:53 PM **Reporter Name** ISP Tox
Last Calib Update 6/1/2017 3:33 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-31 23:38 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	765830	31418	24.3755	1106.7309
Dihydrocodeine	Dihydrocodeine-D6	4.457	1464852	78068	18.7638	1007.8493
Noroxycodone	Noroxycodone-D3	4.957	850163	36404	23.3538	1075.8038
Naloxone	Naloxone-D5	5.014	727284	50990	14.2633	1165.1384 <i>not evaluated</i>
Naltrexone	Naltrexone-D3	5.232	1228392	56428	21.7694	1017.5086
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	590992	237884	2.4844	125.0560
Naltrexol	Naltrexol-D3	5.430	4436968	190149	23.3341	1030.4449
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	12195658	557695	21.8680	1041.8098
Ketamine	Ketamine-D4	6.462	3775464	165422	22.8233	1032.7218
Norfentanyl	Norfentanyl-D5	6.364	904946	417832	2.1658	107.2773
alpha-PVP	alpha-PVP-d8	6.709	5563496	252605	22.0245	1099.5368
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.120	329482	179246	1.8382	114.6332 <i>not evaluated</i>
Norbuprenorphine	Norbuprenorphine-D3	7.275	3826	2189	1.7476	100.1578 <i>not evaluated</i>
Fentanyl	Fentanyl-D5	7.420	151059	66238	2.2805	108.8209
EDDP	EDDP-D3	7.410	649893	30739	21.1422	1065.2493
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	444475	19456	22.8446	999.6582
Sufentanil	Sufentanil-D5	7.740	82302	35019	2.3502	108.9637
Quetiapine	Quetiapine-D8	7.721	6661052	82787	80.4598	1032.6448
Methadone	Methadone-D9	7.664	2152624	112796	19.0842	1047.0220
Fluoxetine	Fluoxetine-D6	7.705	481521	24383	19.7479	984.9268
Oxazepam	Oxazepam-D5	7.730	399875	18662	21.4267	1090.4766
Sertraline	Sertraline-D3	7.767	170823	7600	22.4758	1131.0176
Temazepam	Temazepam-D5	7.768	2495141	122046	20.4442	1044.9937

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

b ac 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	566476	16239	34.8845	1092.6994 <i>not evaluated</i>
Diazepam	Diazepam-D5	7.891	2340277	82406	28.3993	1187.6891
Buprenorphine	Buprenorphine-D4	8.260	57276	26475	2.1634	104.7943



ISP FORENSICS - Cd'A Instrument # 62340

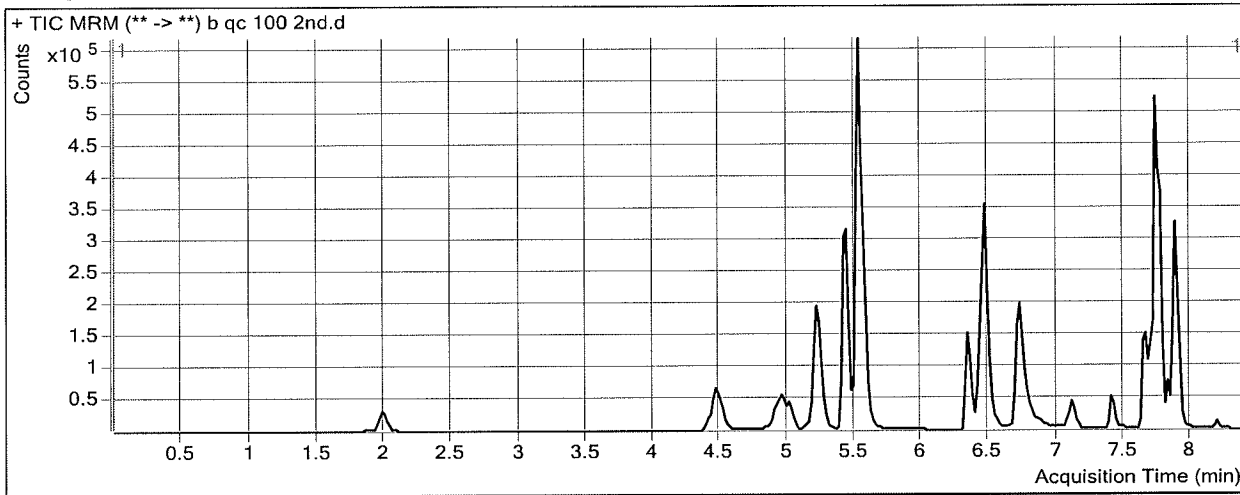
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin		
Analysis Time	6/1/2017 3:33 PM	Analyst Name	ISP Tox
Report Time	6/1/2017 3:53 PM	Reporter Name	ISP Tox
Last Calib Update	6/1/2017 3:33 PM	Batch State	Processed

Analysis Info

Acq Time	2017-06-01 00:03	Data File	b qc 100 2nd.d
Sample Type	QC	Sample Name	b qc 100 2nd
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

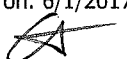
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	84325	39148	2.1540	99.3354
Dihydrocodeine	Dihydrocodeine-D6	4.477	176451	89712	1.9669	106.1099
Noroxycodone	Noroxycodone-D3	4.957	109751	50602	2.1689	101.4998
Naloxone	Naloxone-D5	5.014	99224	70895	1.3996	115.2441
Naltrexone	Naltrexone-D3	5.232	207688	100252	2.0717	97.6404
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	64711	303576	0.2132	10.7803
Naltrexol	Naltrexol-D3	5.430	659163	272028	2.4231	107.0831
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	1405947	680897	2.0648	99.1889
Ketamine	Ketamine-D4	6.462	474560	210031	2.2595	102.6778
Norfentanyl	Norfentanyl-D5	6.364	80668	418994	0.1925	9.7917
alpha-PVP	alpha-PVP-d8	6.729	579758	279436	2.0747	104.1710
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.100	18568	116401	0.1595	10.0511
Norbuprenorphine	Norbuprenorphine-D3	7.275	442	2618	0.1687	8.5006 <i>not evaluated</i>
Fentanyl	Fentanyl-D5	7.420	9571	47924	0.1997	9.6203
EDDP	EDDP-D3	7.410	50272	28320	1.7751	91.2620
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	30260	13422	2.2545	100.8417
Sufentanil	Sufentanil-D5	7.740	5966	27280	0.2187	10.2123
Quetiapine	Quetiapine-D8	7.721	683721	90650	7.5424	97.9967
Methadone	Methadone-D9	7.664	163725	92746	1.7653	98.3053
Fluoxetine	Fluoxetine-D6	7.705	46973	23078	2.0354	103.0240
Oxazepam	Oxazepam-D5	7.730	47620	23633	2.0150	102.3517
Sertraline	Sertraline-D3	7.767	13140	6394	2.0549	104.8700
Temazepam	Temazepam-D5	7.768	329048	170876	1.9256	101.8892



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

b ac 100 2nd

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.836	75746	23514	3.2213	101.5984
Diazepam	Diazepam-D5	7.891	350360	148856	2.3537	100.2993
Buprenorphine	Buprenorphine-D4	8.260	6091	28722	0.2121	10.2539

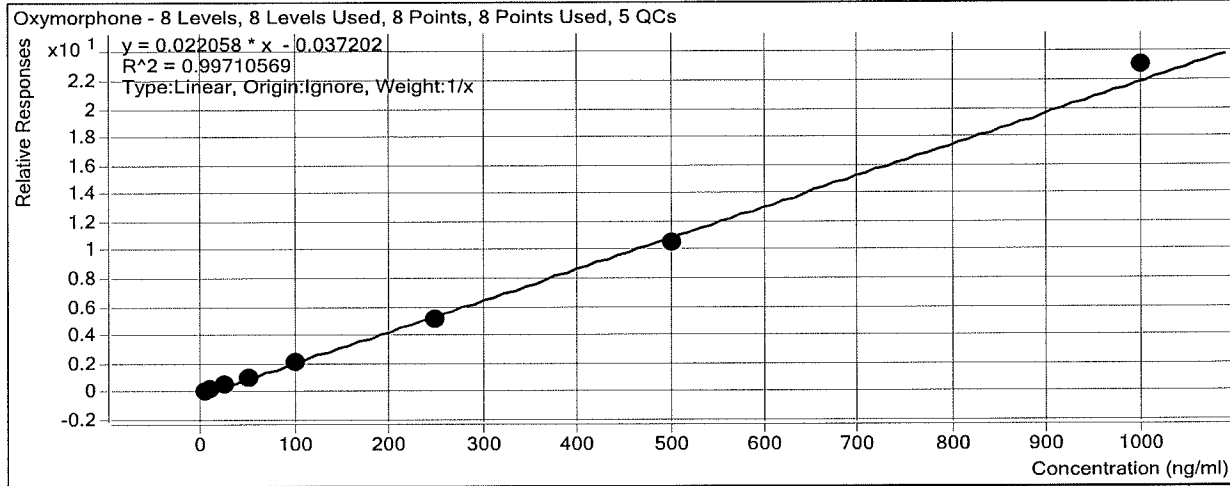


ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.1	122.5
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.6	105.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.6
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.3
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.4	90.9
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.2	94.2
b qc 100	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	235.7	94.3
b QC 250	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	478.2	95.6
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1046.7	104.7
b qc 1000	8	<input type="checkbox"/>	1000	1106.7	110.7

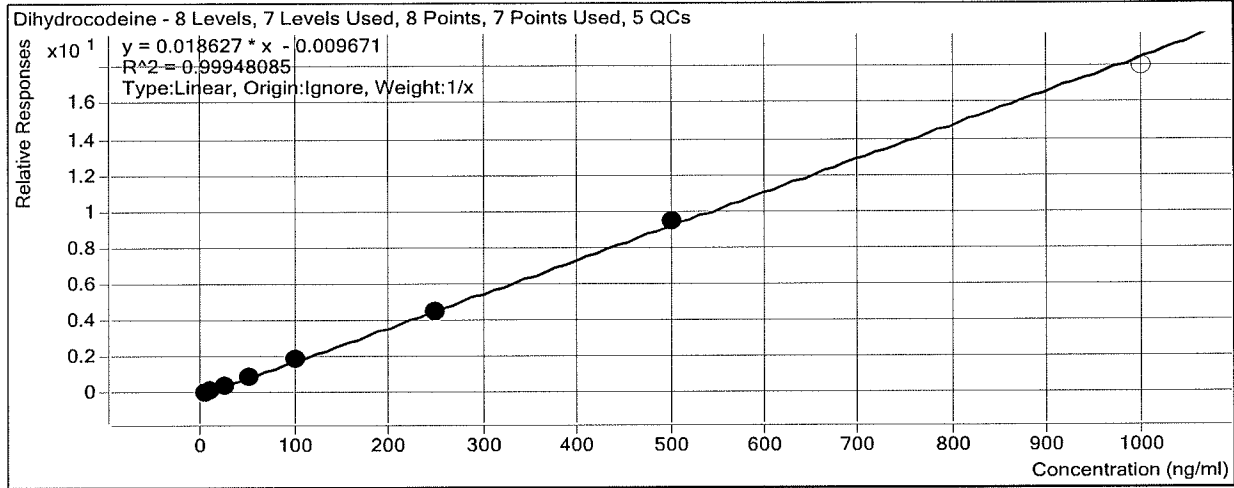
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.5	109.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	107.1	107.1
b cal 100 2nd	5	<input checked="" type="checkbox"/>	100	106.1	106.1
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	243.3	97.3
b QC 250	6	<input checked="" type="checkbox"/>	250	266.2	106.5
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	506.6	101.3
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	966.4	96.6
b qc 1000	8	<input type="checkbox"/>	1000	1007.8	100.8

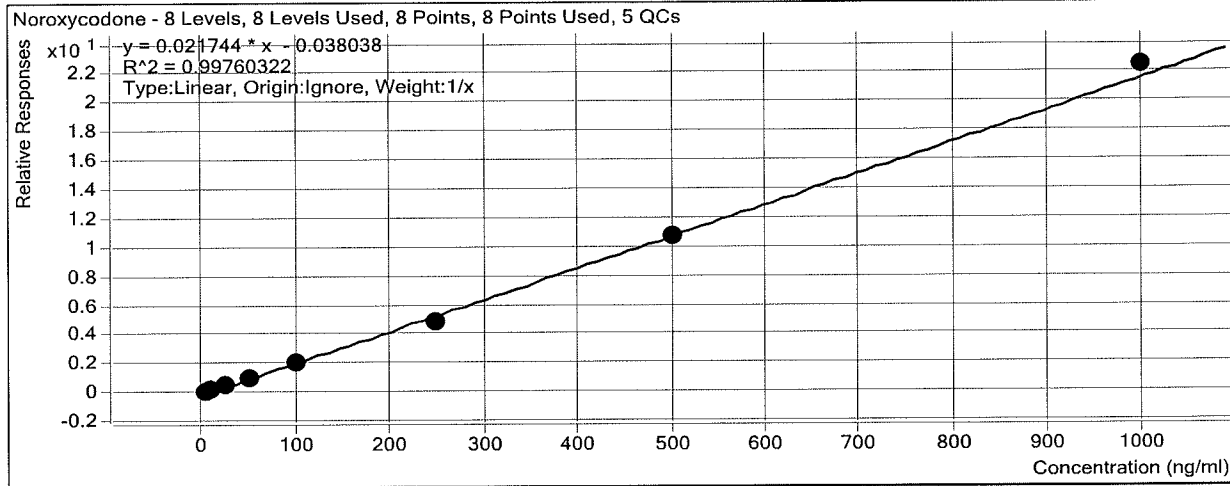
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM

Analyst Name ISP TOX

Target Compound *Noroxycodone*
Internal Standard *Noroxycodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.4	128.2
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.0
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.7	90.8
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.7	93.5
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	227.8	91.1
b QC 250	6	<input checked="" type="checkbox"/>	250	256.4	102.5
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	495.8	99.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1035.1	103.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1075.8	107.6

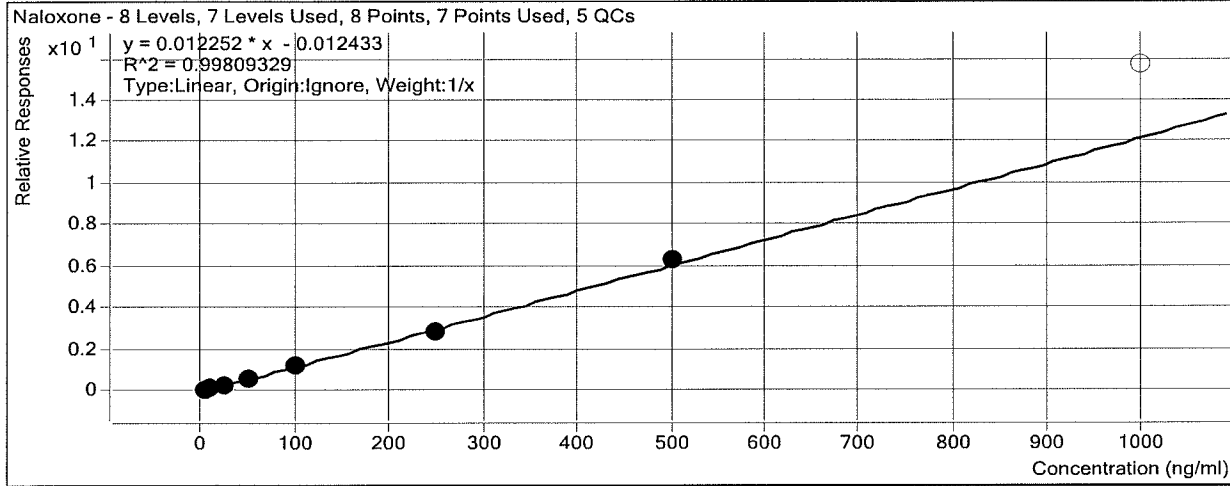
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM

Analyst Name ISP TOX

Target Compound *Naloxone*
Internal Standard *Naloxone-D5*



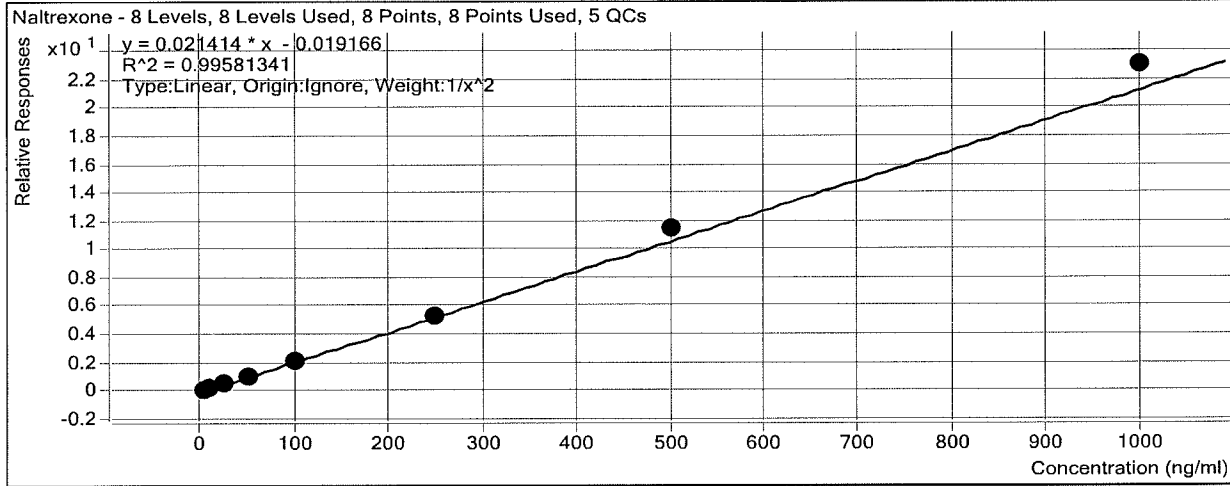
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b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.7	113.2
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b QC 10	2	<input checked="" type="checkbox"/>	10	12.9	128.8
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100	5	<input checked="" type="checkbox"/>	100	111.0	111.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	115.2	115.2
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	235.9	94.3
b QC 250	6	<input checked="" type="checkbox"/>	250	289.7	115.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	516.8	103.4
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1281.7	128.2
b qc 1000	8	<input type="checkbox"/>	1000	1165.1	116.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Naltrexone*
Internal Standard *Naltrexone-D3*



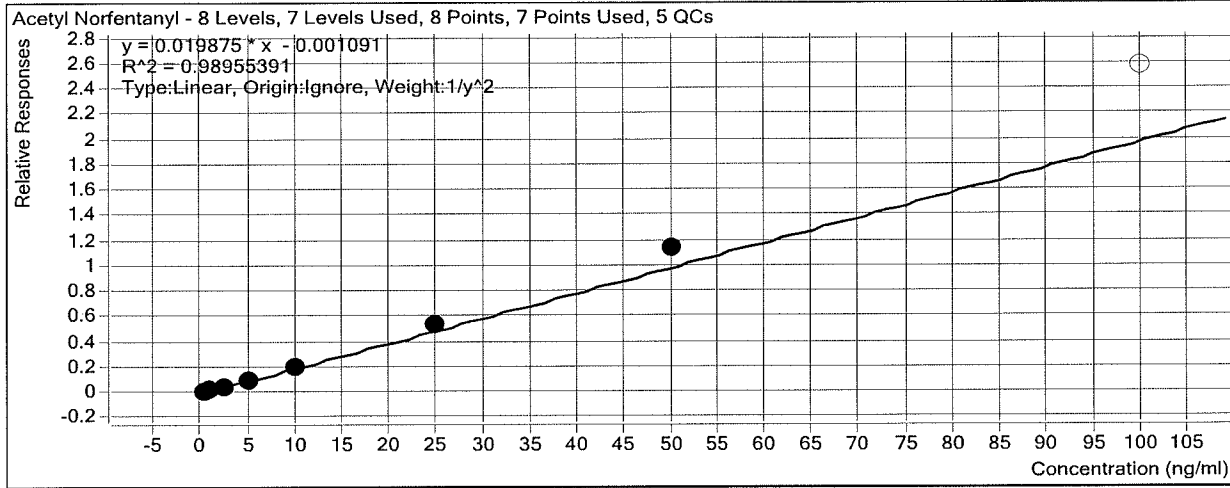
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.2	103.4
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.3
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b qc 100	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.6	99.4
b QC 250	6	<input checked="" type="checkbox"/>	250	279.9	111.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	537.0	107.4
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1076.4	107.6
b qc 1000	8	<input type="checkbox"/>	1000	1017.5	101.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Acetyl Norfentanyl*
Internal Standard *Acetyl Norfentanyl-D5*



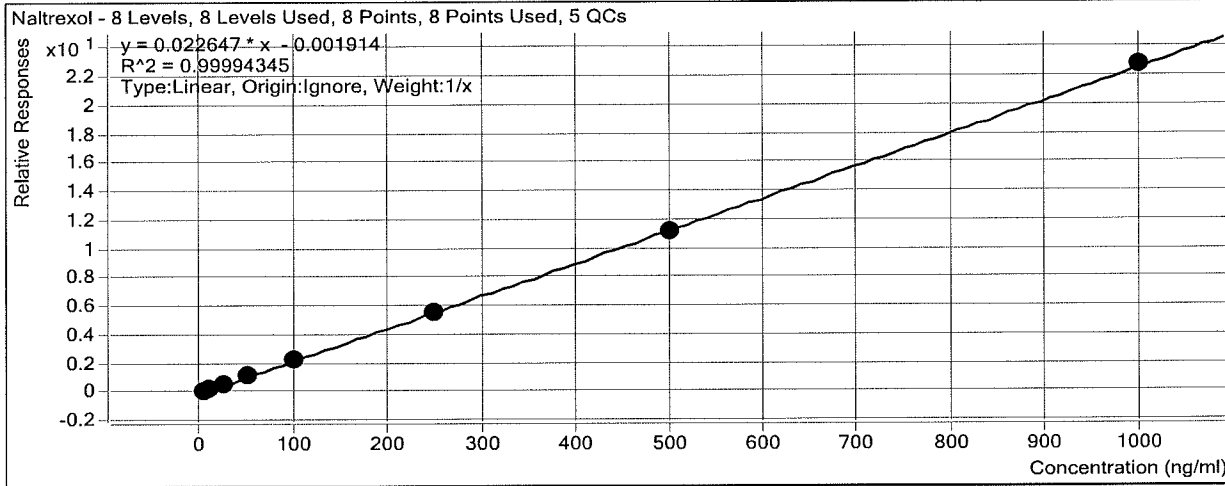
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.5	107.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	0.9	91.9
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	92.9
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.3	91.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.9	98.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.9	99.3
b qc 100	5	<input checked="" type="checkbox"/>	10	10.9	109.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.8	107.8
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	26.7	106.8
b QC 250	6	<input checked="" type="checkbox"/>	25	28.0	112.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	57.2	114.3
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	129.5	129.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	125.1	125.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Naltrexol*
Internal Standard *Naltrexol-D3*



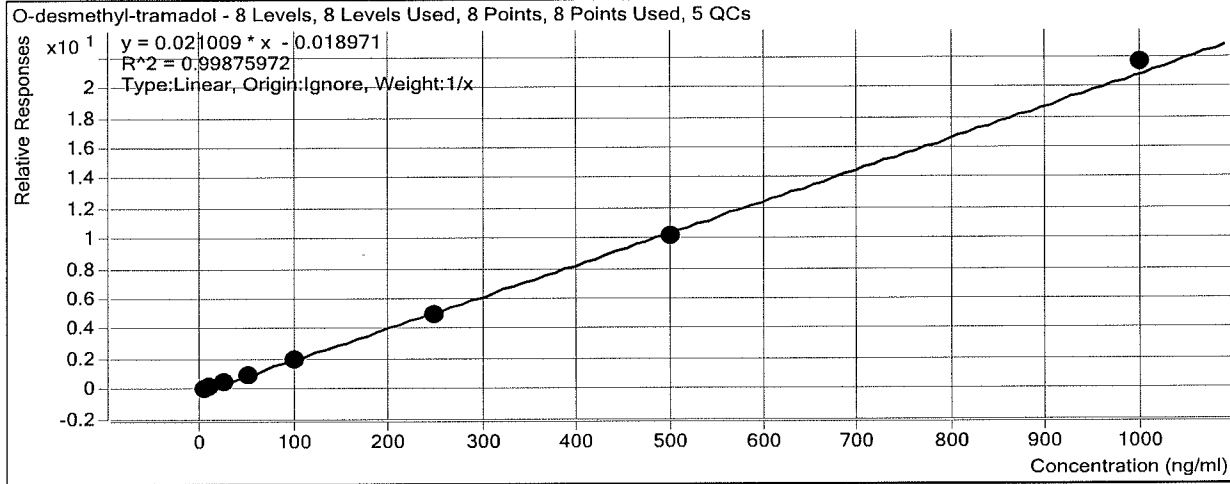
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b qc 100	5	<input checked="" type="checkbox"/>	100	107.9	107.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.1	107.1
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	247.5	99.0
b QC 250	6	<input checked="" type="checkbox"/>	250	257.3	102.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	497.0	99.4
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1003.5	100.4
b qc 1000	8	<input type="checkbox"/>	1000	1030.4	103.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *O-desmethyl-tramadol*
Internal Standard *O-desmethyl-tramadol-D6*



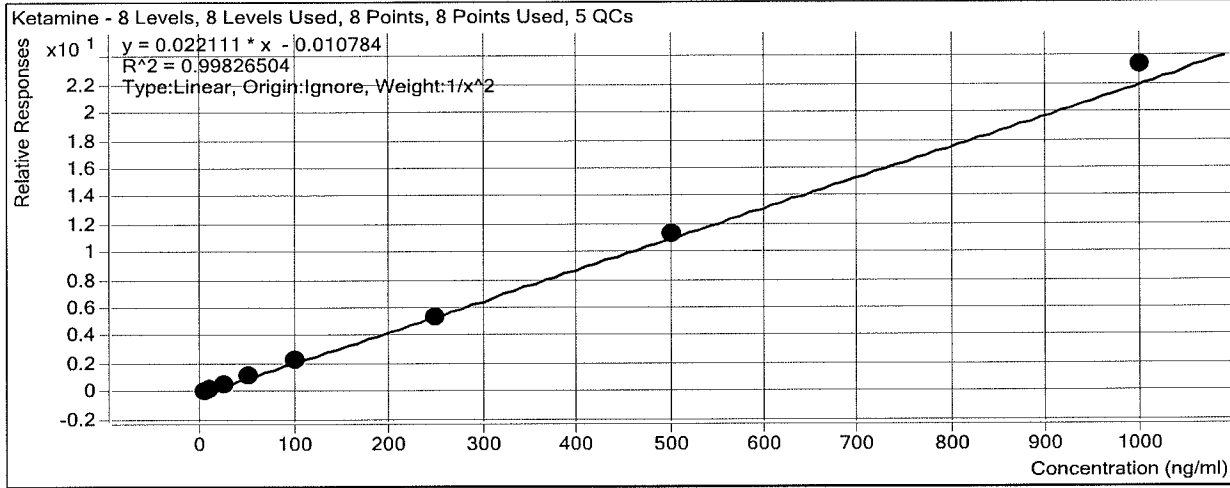
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.3
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.0	96.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	236.5	94.6
b QC 250	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	487.2	97.4
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1030.3	103.0
b qc 1000	8	<input type="checkbox"/>	1000	1041.8	104.2

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



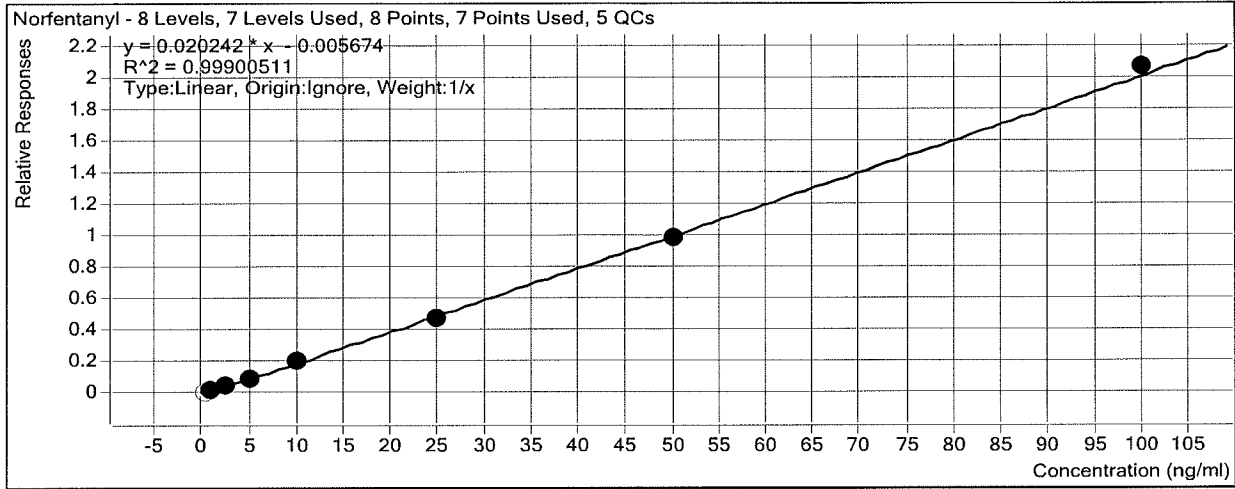
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	102.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.3
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.7	102.7
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	246.2	98.5
b QC 250	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	511.1	102.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1056.1	105.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1032.7	103.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1.b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Norfentanyl*
Internal Standard *Norfentanyl-D5*



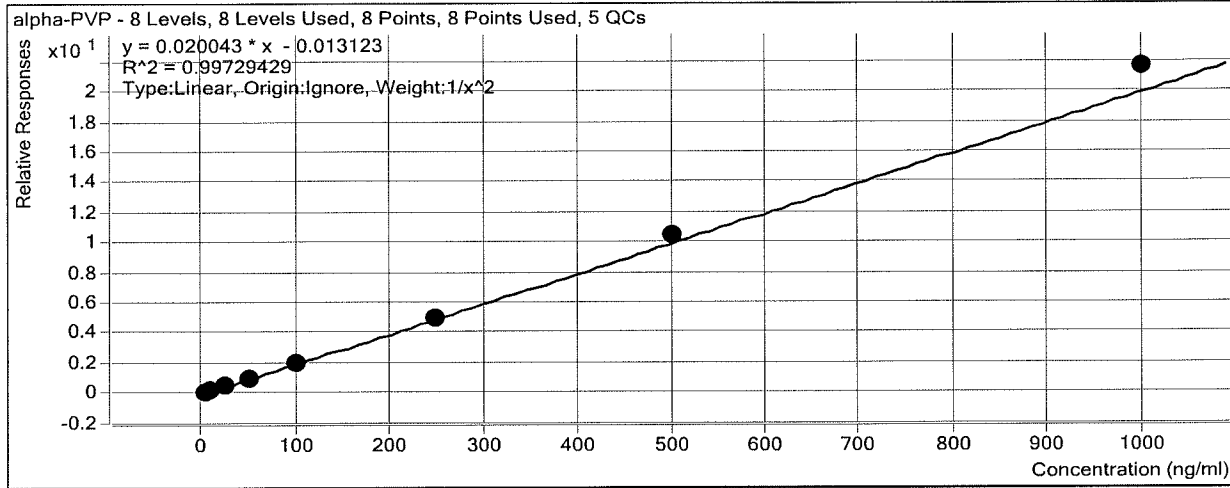
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	0.7	132.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	112.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	113.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.4	97.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.8	95.5
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.9	99.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.8	97.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	23.6	94.6
b QC 250	6	<input checked="" type="checkbox"/>	25	25.2	100.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	102.3	102.3
b qc 1000	8	<input type="checkbox"/>	100	107.3	107.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *alpha-PVP*
Internal Standard *alpha-PVP-d8*



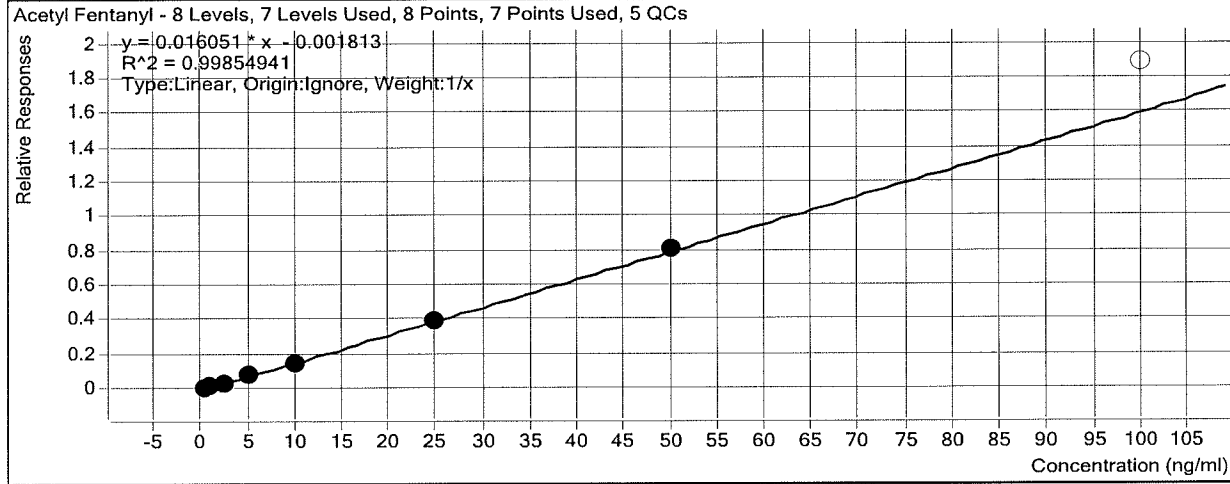
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	102.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.0	96.0
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	108.1	108.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	247.6	99.0
b QC 250	6	<input checked="" type="checkbox"/>	250	266.9	106.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	520.7	104.1
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1079.3	107.9
b qc 1000	8	<input type="checkbox"/>	1000	1099.5	110.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Acetyl Fentanyl*
Internal Standard *Acetyl Fentanyl-D5*



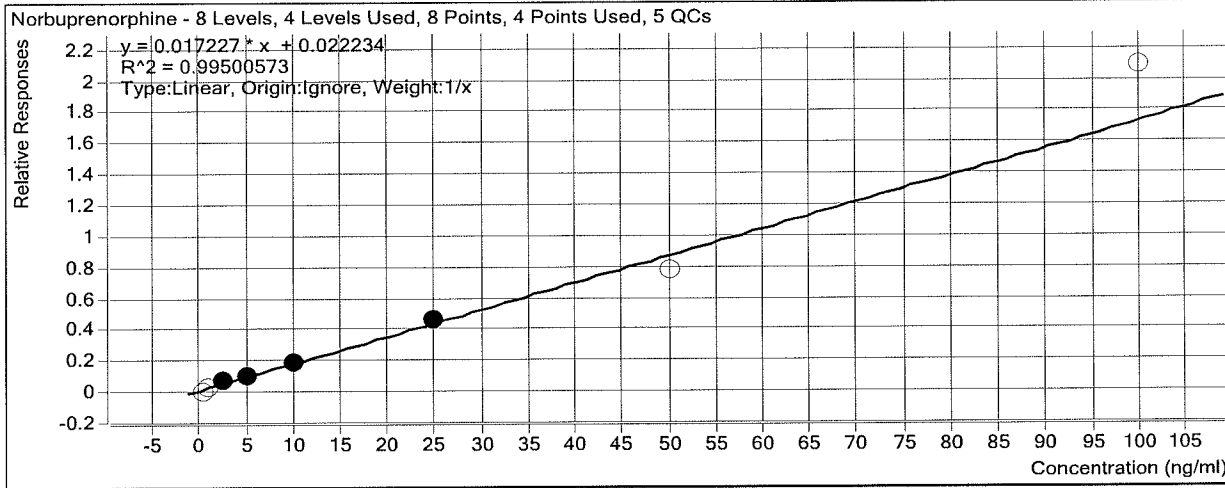
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	115.5
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	106.1
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	102.6
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.1	84.5
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.8	96.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.5	95.4
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	94.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.1	100.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	25.0	99.9
b QC 250	6	<input checked="" type="checkbox"/>	25	25.9	103.4
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	50.9	101.8
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	117.5	117.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	114.6	114.6

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Norbuprenorphine*
Internal Standard *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng/mL	2	<input type="checkbox"/>	1	0.4	39.7
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.8	111.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.5	90.7
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.6	95.9
b qc 100	5	<input checked="" type="checkbox"/>	10	11.8	118.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	8.5	85.0
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	25.6	102.4
b QC 250	6	<input checked="" type="checkbox"/>	25	23.1	92.4
b cal 7-500ng/mL	7	<input type="checkbox"/>	50	44.2	88.3
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	119.9	119.9
b qc 1000	8	<input type="checkbox"/>	100	100.2	100.2

Not evaluated the
Signal to noise ratio
failed for many of the
calibrators and controls.

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM

Analyst Name ISP TOX

Target Compound *Fentanyl*
Internal Standard *Fentanyl-D5*



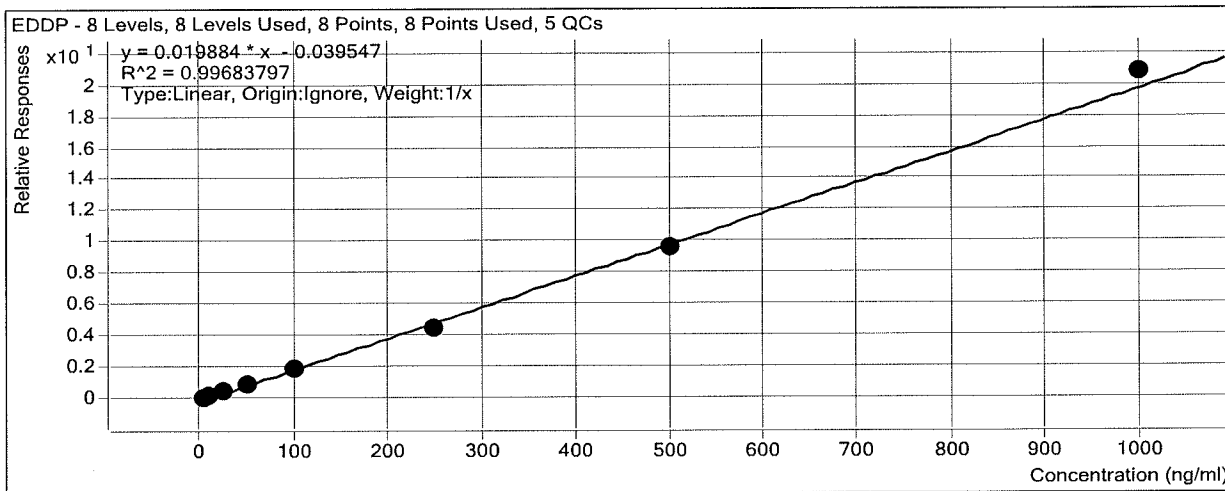
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.5	106.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.2	122.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	109.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.2	89.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.6	92.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.1	90.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.6	96.2
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	23.1	92.5
b QC 250	6	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	51.6	103.1
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 1000	8	<input type="checkbox"/>	100	108.8	108.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



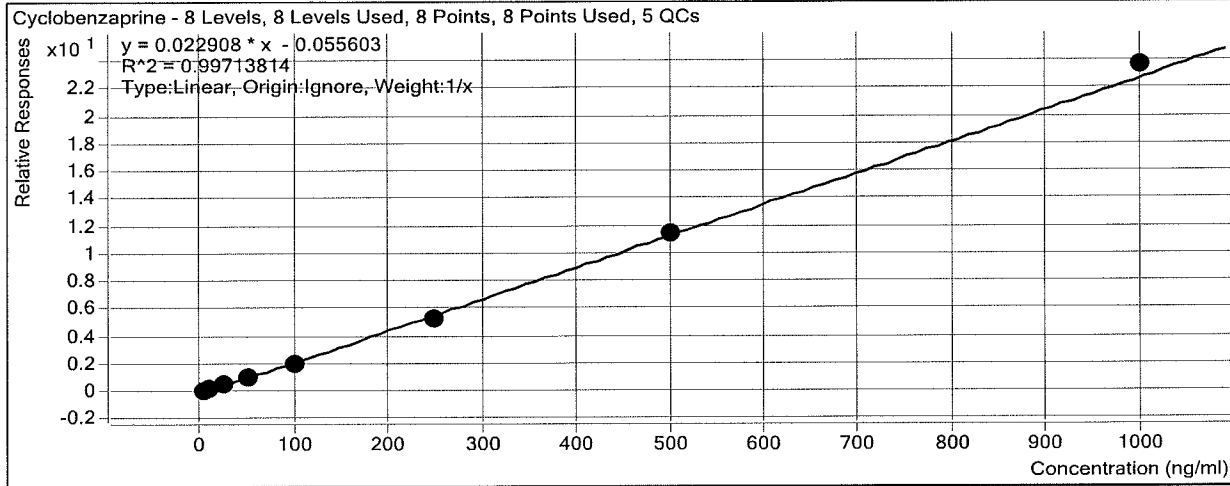
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.5	129.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	92.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.2	90.4
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	228.0	91.2
b QC 250	6	<input checked="" type="checkbox"/>	250	264.1	105.7
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	486.2	97.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1045.3	104.5
b qc 1000	8	<input type="checkbox"/>	1000	1065.2	106.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Cyclobenzaprine*
Internal Standard *Cyclobenzaprine-D3*



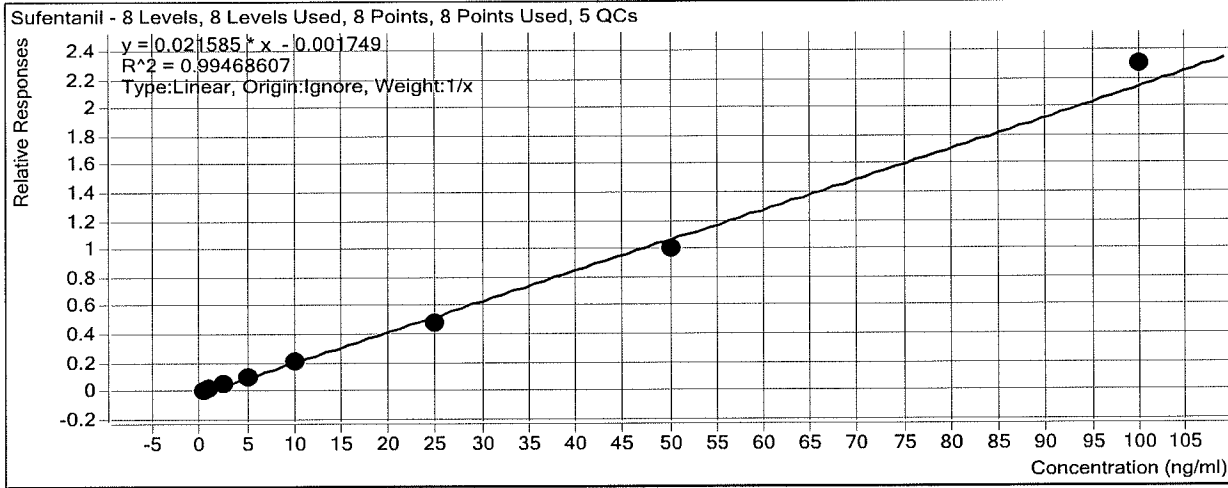
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.2	123.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.1	110.5
b QC 10	2	<input checked="" type="checkbox"/>	10	11.8	118.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.2	92.6
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.2	88.3
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	88.2	88.2
b qc 100	5	<input checked="" type="checkbox"/>	100	91.8	91.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	231.9	92.8
b QC 250	6	<input checked="" type="checkbox"/>	250	250.9	100.3
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	501.4	100.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1033.9	103.4
b qc 1000	8	<input type="checkbox"/>	1000	999.7	100.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Sufentanil*
Internal Standard *Sufentanil-D5*



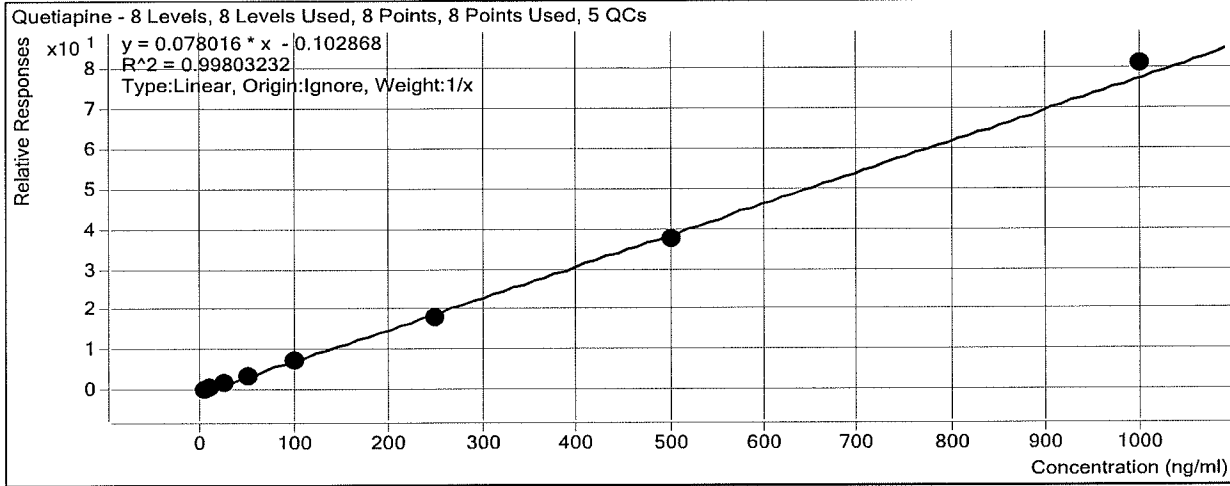
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	124.2
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.0	102.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	106.3
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.3	92.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.8	95.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.5	95.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	90.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	22.7	90.7
b QC 250	6	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	106.5	106.5
b qc 1000	8	<input type="checkbox"/>	100	109.0	109.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Quetiapine*
Internal Standard *Quetiapine-D8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.8	115.6
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.8
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.6	97.3
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	93.1	93.1
b qc 100	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	235.6	94.2
b QC 250	6	<input checked="" type="checkbox"/>	250	258.4	103.4
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	483.9	96.8
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1038.5	103.9
b qc 1000	8	<input type="checkbox"/>	1000	1032.6	103.3

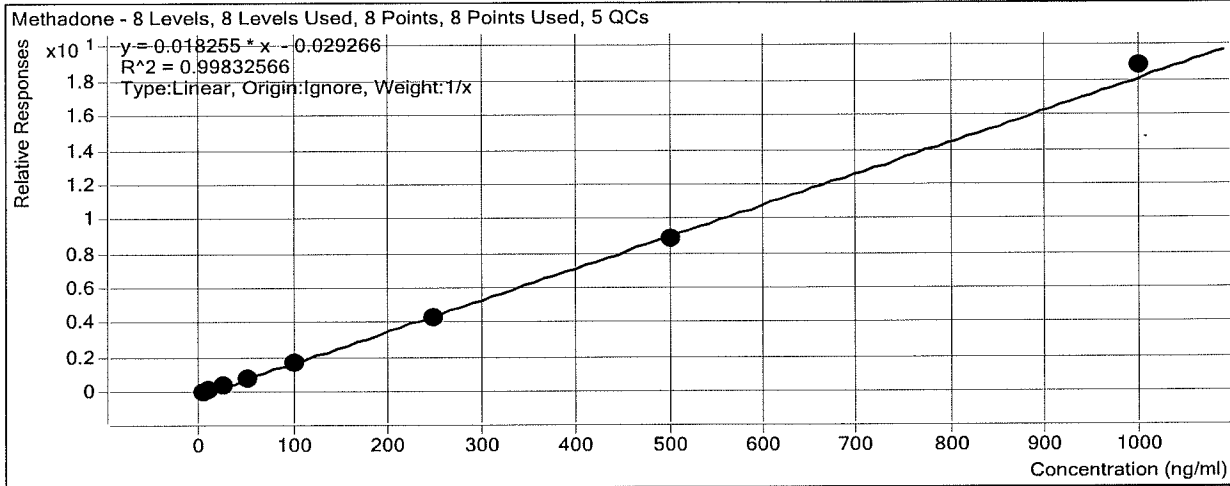
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM

Analyst Name ISP TOX

Target Compound *Methadone*
Internal Standard *Methadone-D9*



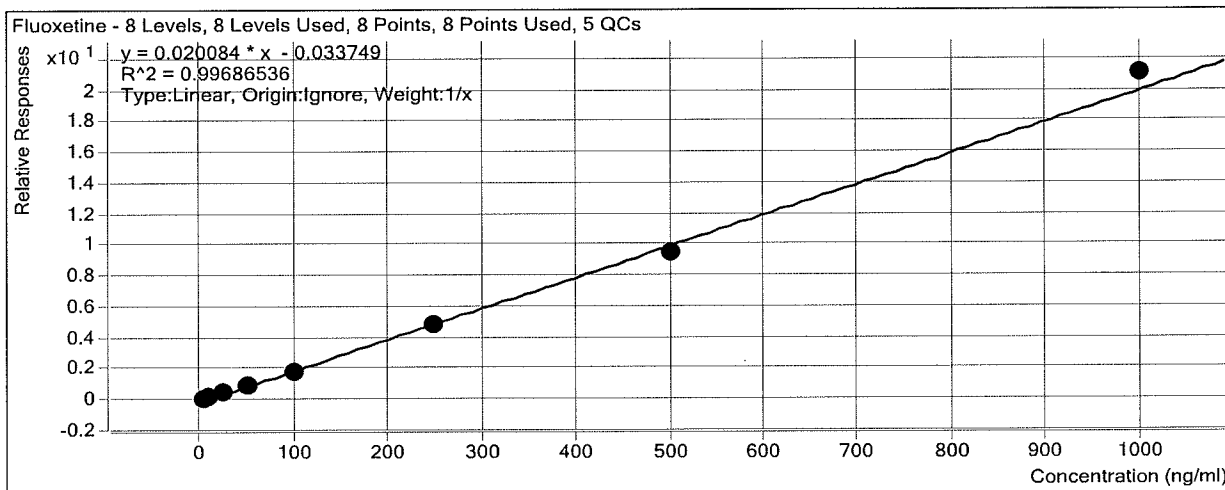
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.9	118.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b qc 100	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	234.7	93.9
b QC 250	6	<input checked="" type="checkbox"/>	250	252.4	100.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	490.1	98.0
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1033.5	103.3
b qc 1000	8	<input type="checkbox"/>	1000	1047.0	104.7

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound *Fluoxetine*
Internal Standard *Fluoxetine-D6*



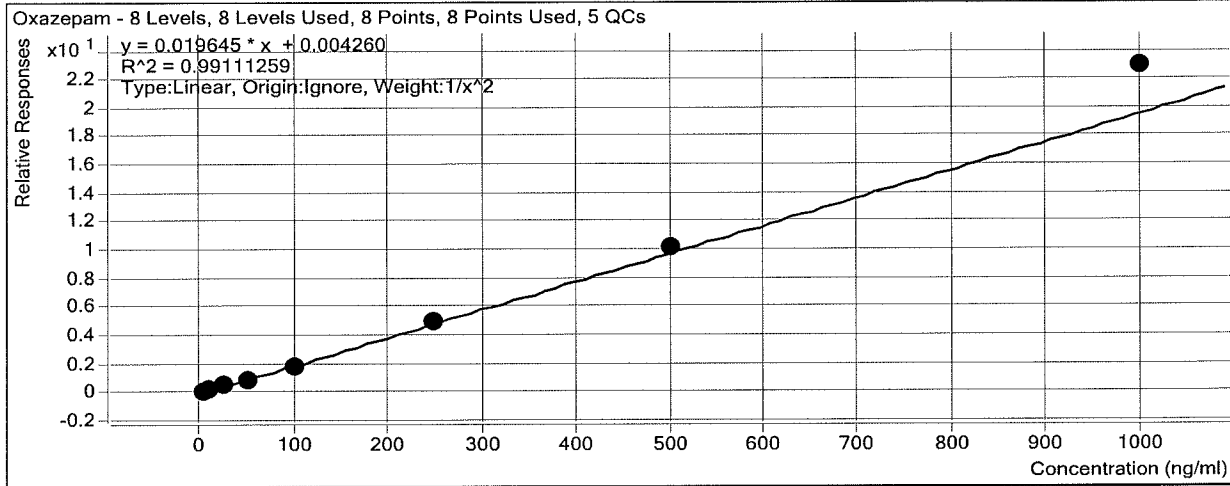
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.1	122.2
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.9	119.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	93.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	93.5	93.5
b qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.5	95.4
b QC 250	6	<input checked="" type="checkbox"/>	250	247.5	99.0
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	471.0	94.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1049.8	105.0
b qc 1000	8	<input type="checkbox"/>	1000	984.9	98.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



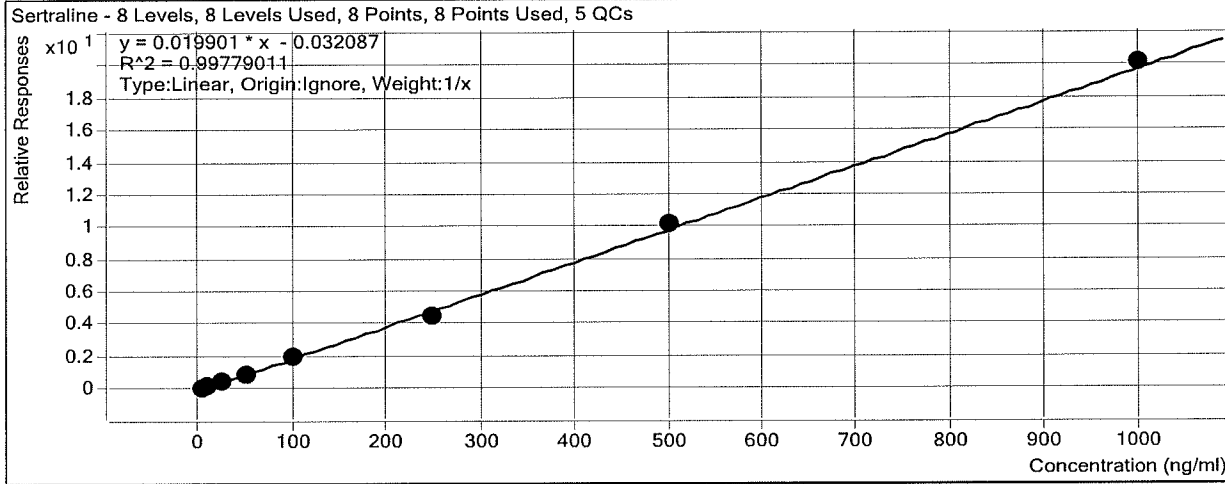
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.2	104.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.2	96.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.8	91.6
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	92.3	92.3
b qc 100	5	<input checked="" type="checkbox"/>	100	114.6	114.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	264.2	105.7
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	520.4	104.1
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1166.0	116.6
b qc 1000	8	<input type="checkbox"/>	1000	1090.5	109.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



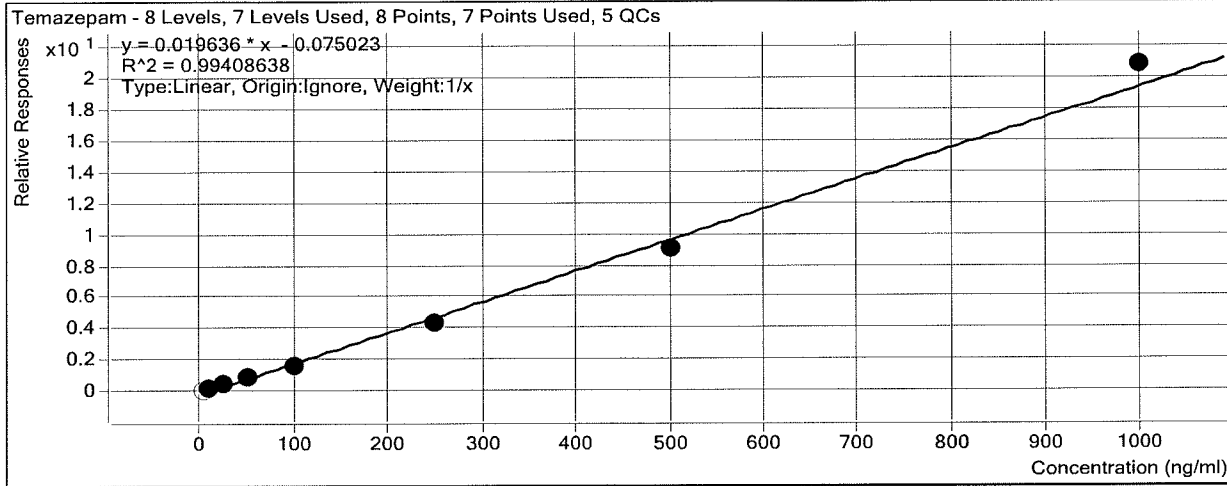
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.0	119.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.8	127.9
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.8
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.1	90.3
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 100	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	225.7	90.3
b QC 250	6	<input checked="" type="checkbox"/>	250	222.2	88.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	516.4	103.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1013.8	101.4
b qc 1000	8	<input type="checkbox"/>	1000	1131.0	113.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
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Target Compound *Temazepam*
Internal Standard *Temazepam-D5*

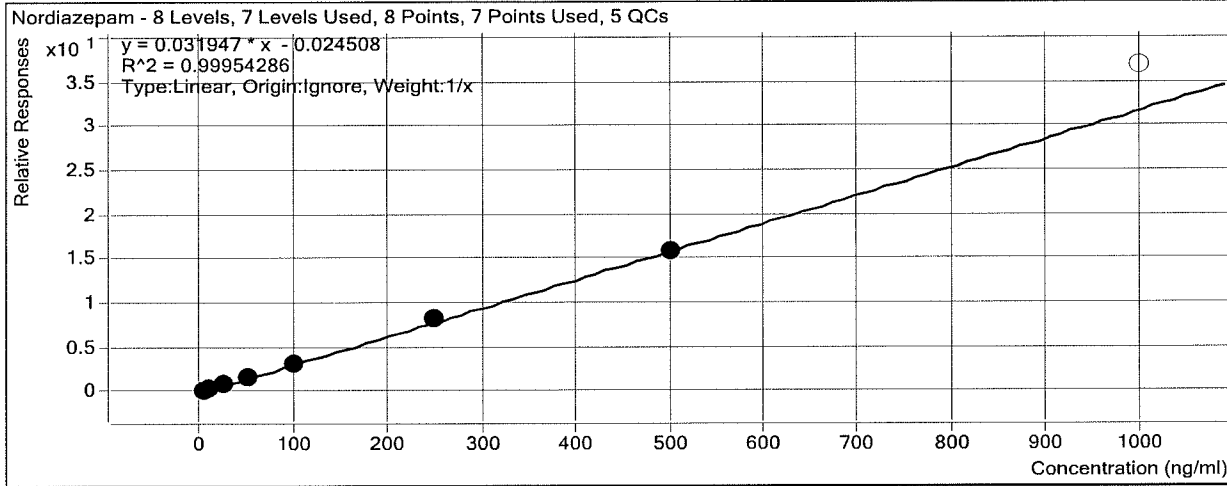


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	8.1	162.3
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	12.2	121.7
b QC 10	2	<input checked="" type="checkbox"/>	10	12.7	126.6
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.1	94.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	88.6	88.6
b qc 100	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	228.4	91.4
b QC 250	6	<input checked="" type="checkbox"/>	250	256.3	102.5
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	468.8	93.8
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1063.9	106.4
b qc 1000	8	<input type="checkbox"/>	1000	1045.0	104.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
Last Calib Update 6/1/2017 3:33 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



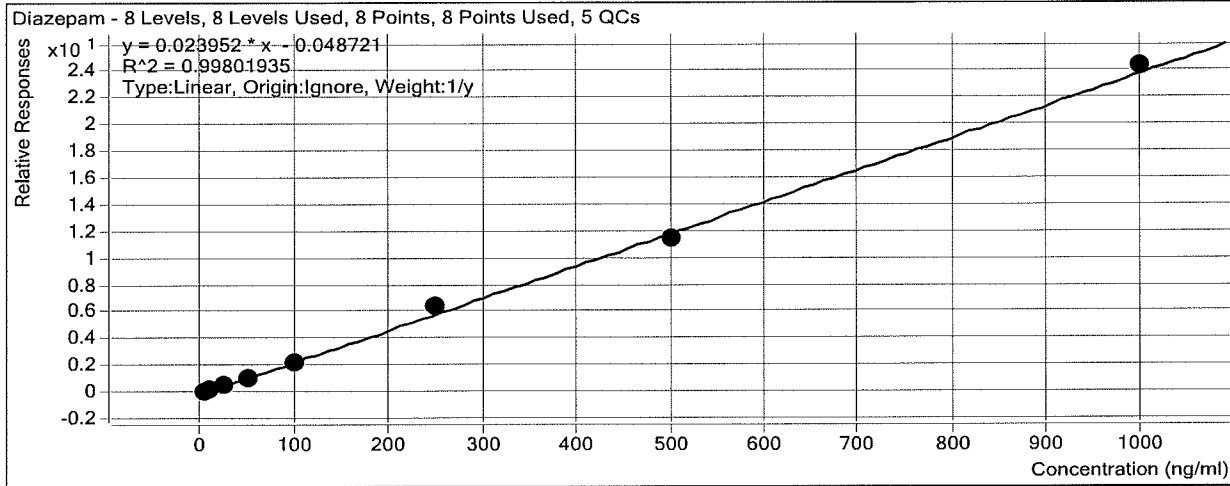
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.7	113.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.5	94.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.1
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.8	95.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.7	97.5
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	255.2	102.1
b QC 250	6	<input checked="" type="checkbox"/>	250	243.0	97.2
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	499.5	99.9
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1155.3	115.5
b qc 1000	8	<input type="checkbox"/>	1000	1092.7	109.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Target Compound Diazepam
Internal Standard Diazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	111.4
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	110.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.0	96.0
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	92.4	92.4
b qc 100	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	268.5	107.4
b QC 250	6	<input checked="" type="checkbox"/>	250	248.6	99.5
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	477.3	95.5
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1018.1	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1187.7	118.8

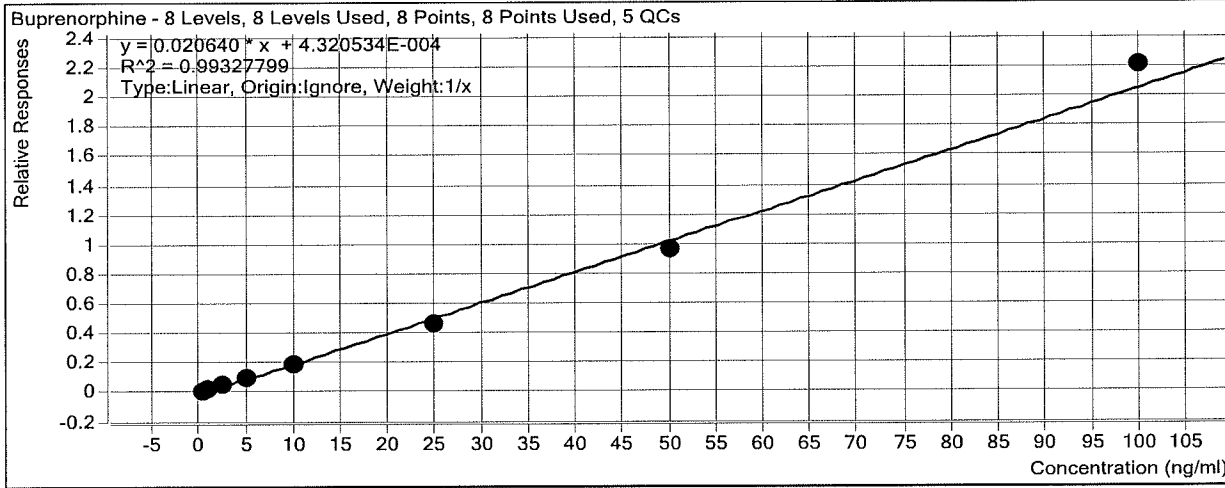
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\53117 mdq p1\QuantResults\53117 mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Buprenorphine*
Internal Standard *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	124.4
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.2	115.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.2	89.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.5	89.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	91.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.3	102.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	22.1	88.5
b QC 250	6	<input checked="" type="checkbox"/>	25	23.7	94.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	47.1	94.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	107.1	107.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.8	104.8