










Worklist: 1645

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2017-0538	1	81074	AM 13 Urine LCMS-QQQ Benz	
C2017-0575	1	81075	AM 13 Urine LCMS-QQQ Benz	
C2017-0580	1	81076	AM 13 Urine LCMS-QQQ Benz	
C2017-0605	1	81077	AM 13 Urine LCMS-QQQ Benz	
C2017-0619	1	81078	AM 13 Urine LCMS-QQQ Benz	
C2017-0627	1	81079	AM 13 Urine LCMS-QQQ Benz	
P2017-0645	2	81080	AM 13 Urine LCMS-QQQ Benz	



ISP FORENSICS - Cd'A Instrument # 62340

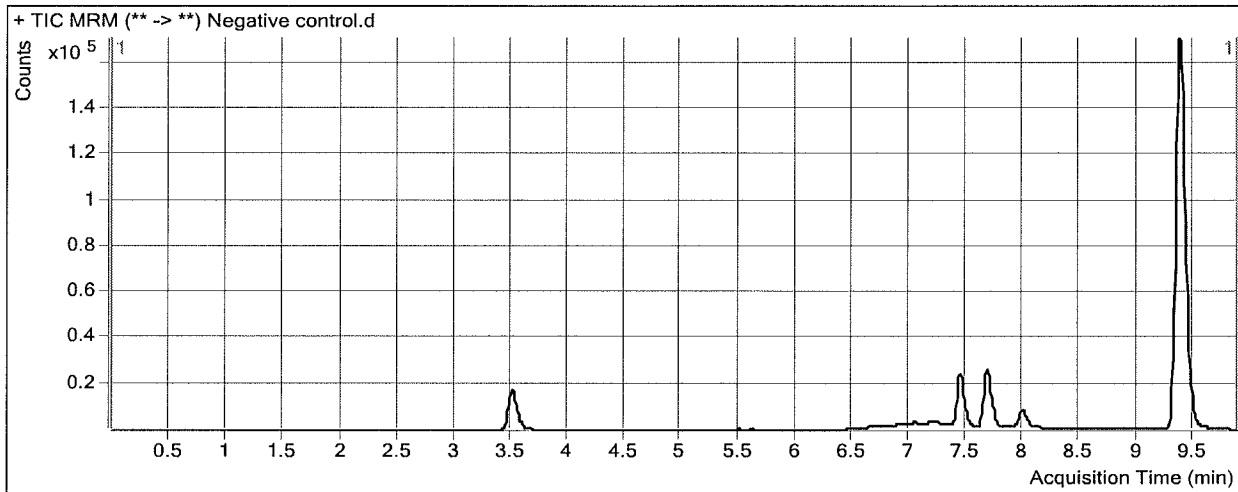
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 12:42 **Data File** Negative control.d
Sample Type Sample **Sample Name** Negative control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-B3 **Sample Info** lot 31517
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

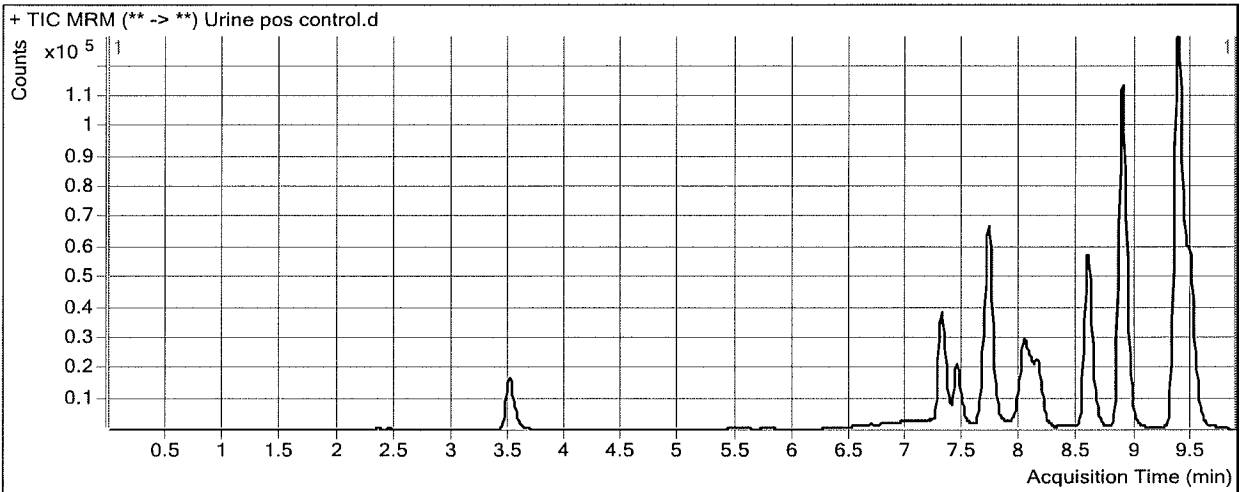
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 12:57 **Data File** Urine pos control.d
Sample Type Sample **Sample Name** Urine pos control 300 ng/mL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-B4 **Sample Info** 300 ng/ml benz mix lot FE022207-01 in 31517
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	7.301	115920	21810	5.3151	439.7252
Oxazepam	Oxazepam D5 ISTD	7.721	167523	40780	4.1080	334.8803
Clonazepam	Clonazepam-D4 ISTD	8.020	80320	21810	3.6827	418.3665
Lorazepam	Oxazepam D5 ISTD	8.076	35541	40780	0.8715	290.8969
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.139	66161	51456	1.2858	445.8835
Flunitrazepam	Clonazepam-D4 ISTD	8.571	218122	21810	10.0011	596.8963
Temazepam	Oxazepam D5 ISTD	8.874	440827	40780	10.8100	469.9645
Diazepam	Diazepam-D5 ISTD	9.477	189300	377227	0.5018	368.1760

ISP FORENSICS - Cd'A Instrument # 62340

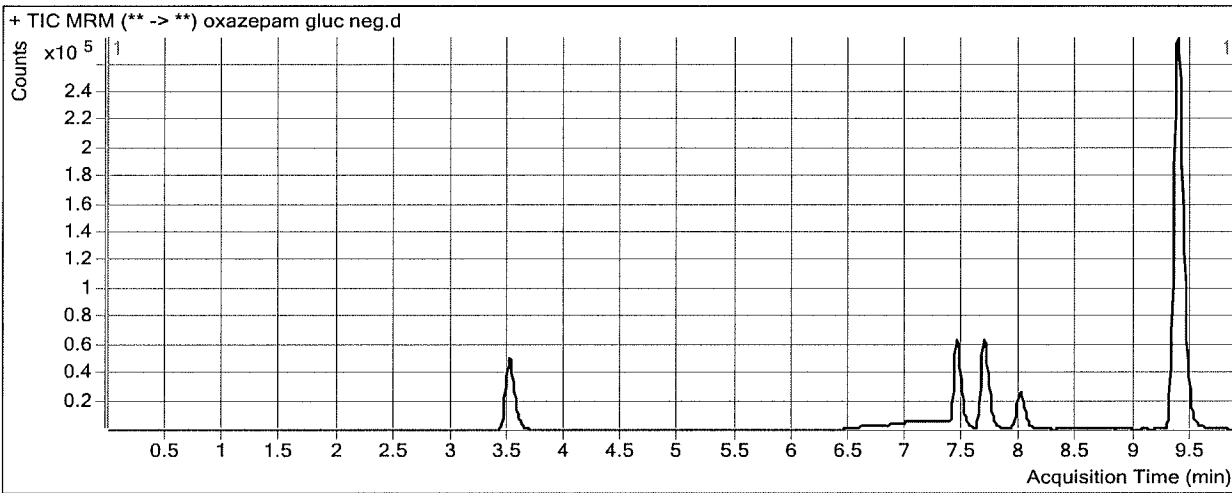
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 12:13 **Data File** oxazepam gluc neg.d
Sample Type Sample **Sample Name** oxazepam gluc neg 300 ng/mL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-B1 **Sample Info** 300 ng/ml Cerilliant lot FE102612-01 in 31517 without glucuronidase
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam D5 ISTD	7.729	1561	132165	0.0118	0.8501

ISP FORENSICS - Cd'A Instrument # 62340

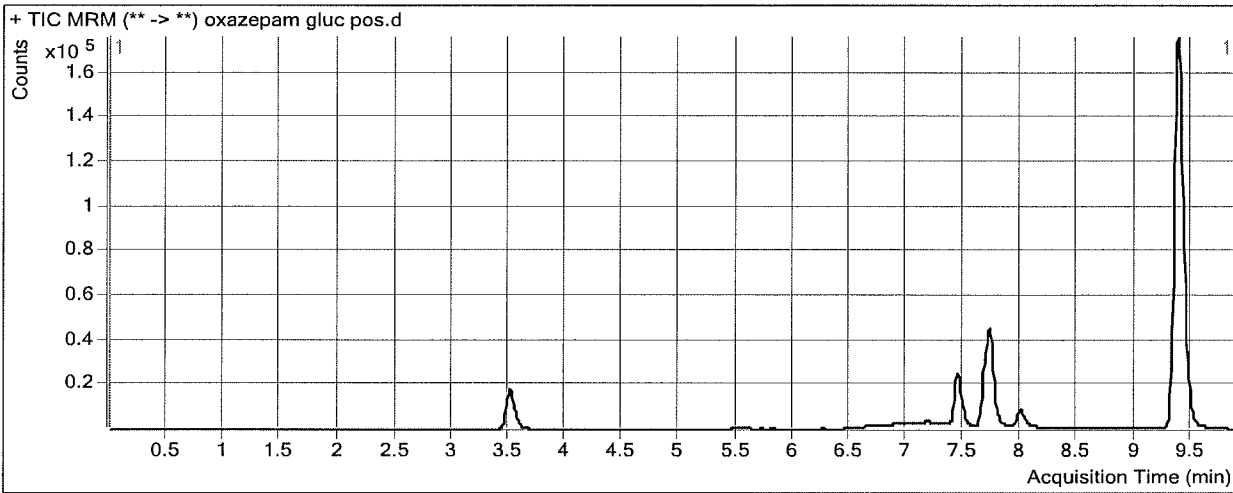
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 12:28 **Data File** oxazepam gluc pos.d
Sample Type Sample **Sample Name** oxazepam gluc pos 300 ng/mL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-B2 **Sample Info** 300 ng/ml Cerilliant lot FE102612-01 in 31517 with glucuronidase
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam D5 ISTD	7.721	94856	47042	2.0164	163.1643

ISP FORENSICS - Cd'A Instrument # 62340

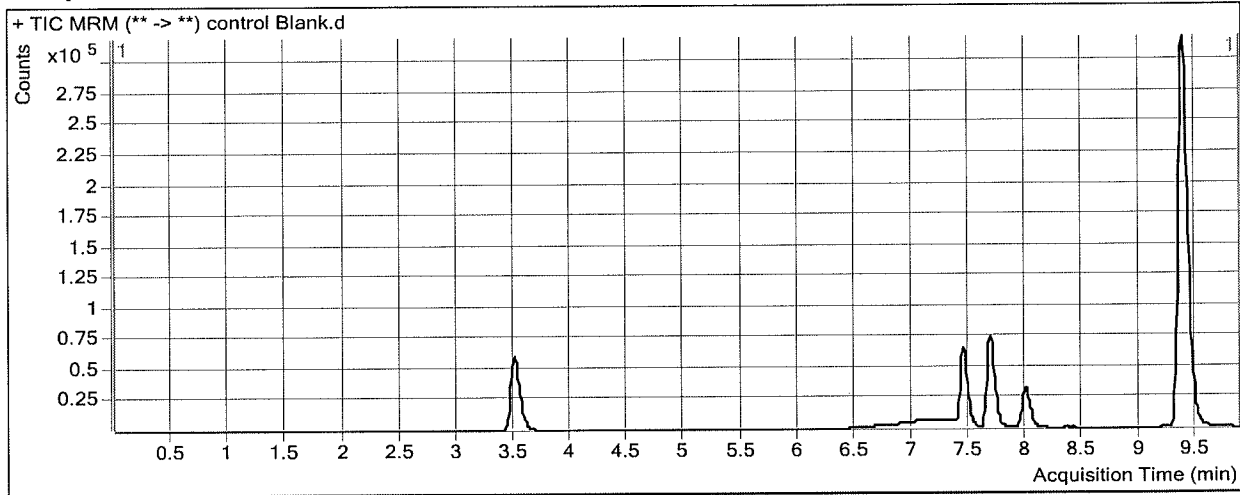
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 13:12 **Data File** control Blank.d
Sample Type Blank **Sample Name** Blank
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram

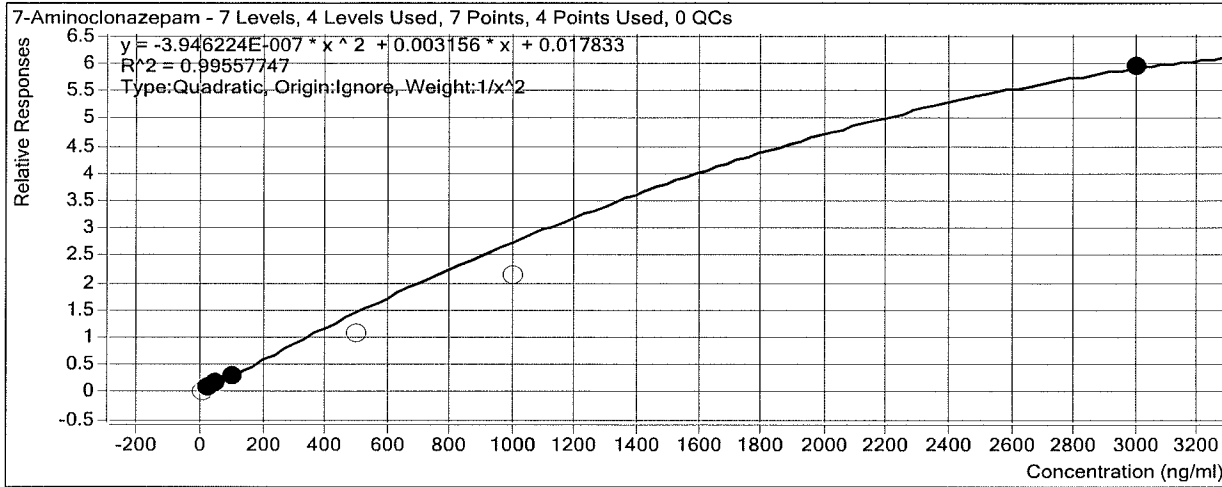


ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound 7-Aminoclonazepam
Internal Standard 7-Aminoflunitrazepam-D7 ISTD



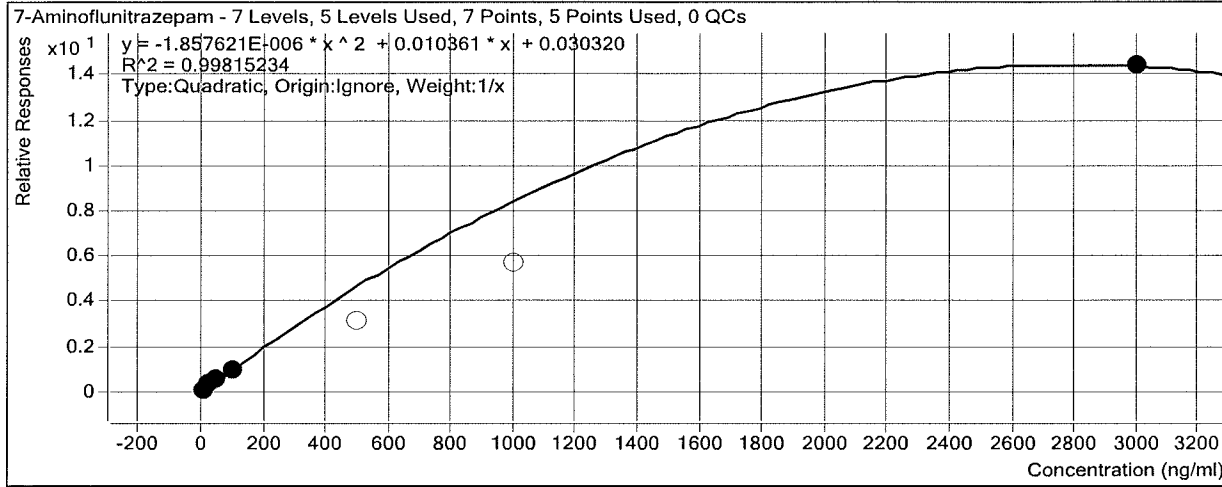
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	4.7	47.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.6	98.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.7	105.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	96.3	96.3
500 ng/mL	7	<input type="checkbox"/>	500	348.1	69.6
1000 ng/mL	8	<input type="checkbox"/>	1000	751.0	75.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3005.6	100.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound 7-Aminoflunitrazepam
Internal Standard 7-Aminoflunitrazepam-D7 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.4	84.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	28.9	115.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.1	106.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	94.5	94.5
500 ng/mL	7	<input type="checkbox"/>	500	322.7	64.5
1000 ng/mL	8	<input type="checkbox"/>	1000	619.0	61.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2579.0	86.0

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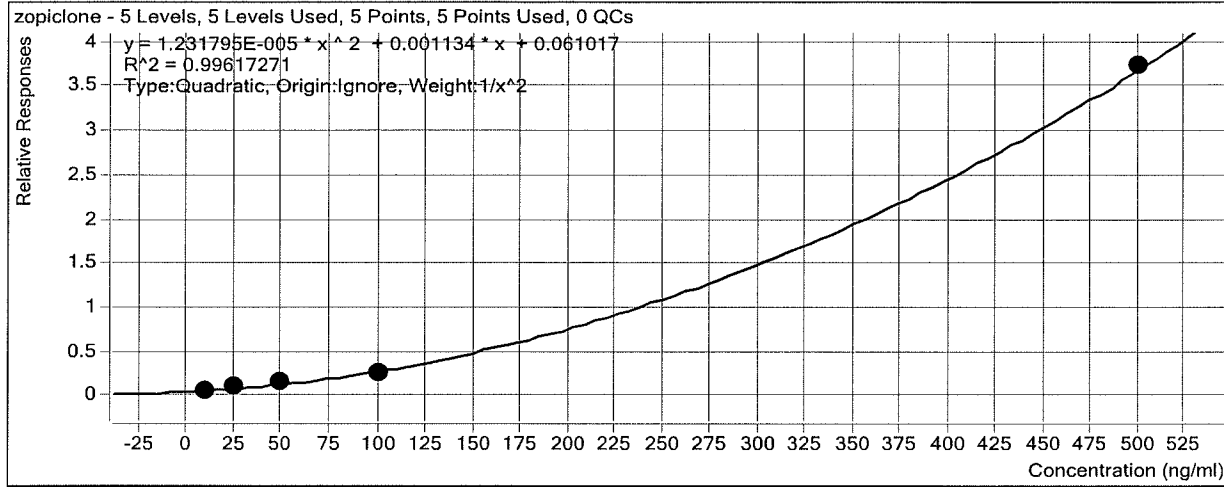
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM

Analyst Name ISP TOX

Target Compound zopiclone
Internal Standard Oxazepam D5 ISTD



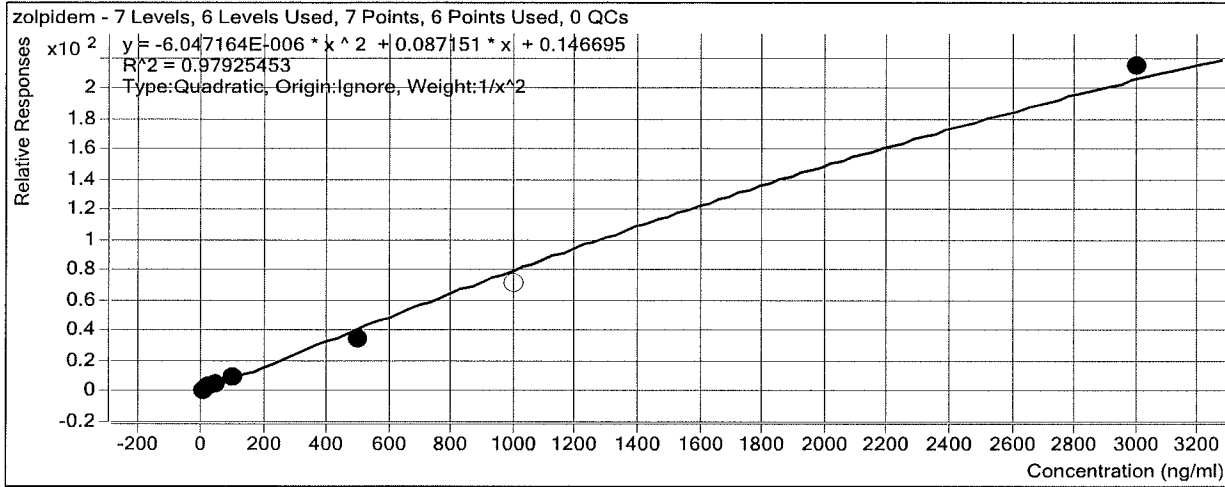
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	92.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	28.5	113.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.4	106.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	89.6	89.6
500 ng/mL	7	<input checked="" type="checkbox"/>	500	501.7	100.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	0.0	0.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound zolpidem
Internal Standard Oxazepam D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	93.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	28.6	114.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.9	107.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.3	100.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	402.7	80.5
1000 ng/mL	8	<input type="checkbox"/>	1000	865.9	86.6
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3146.6	104.9

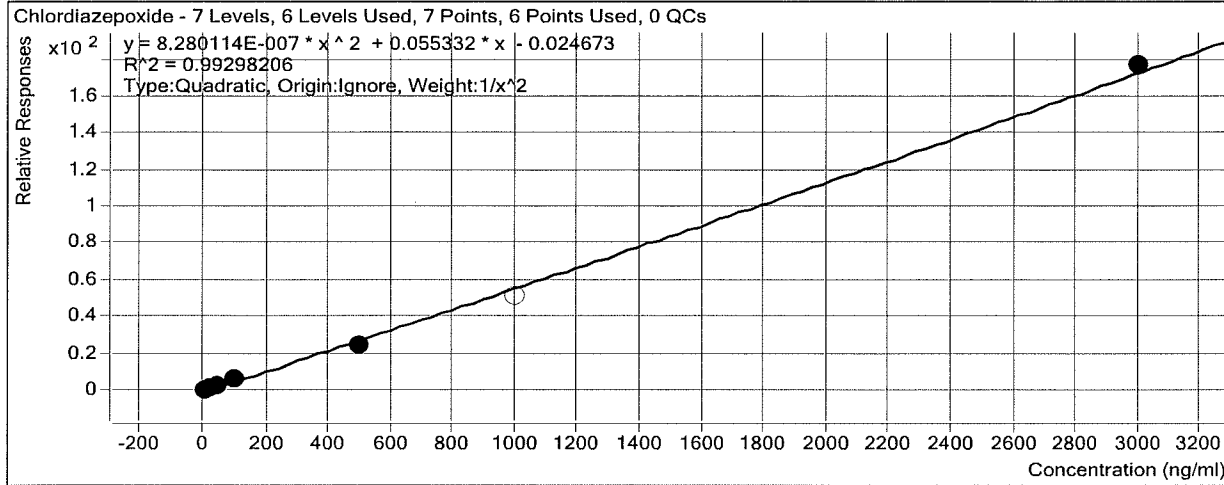
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *Chlordiazepoxide*
Internal Standard *Nordiazepam-D5 ISTD*



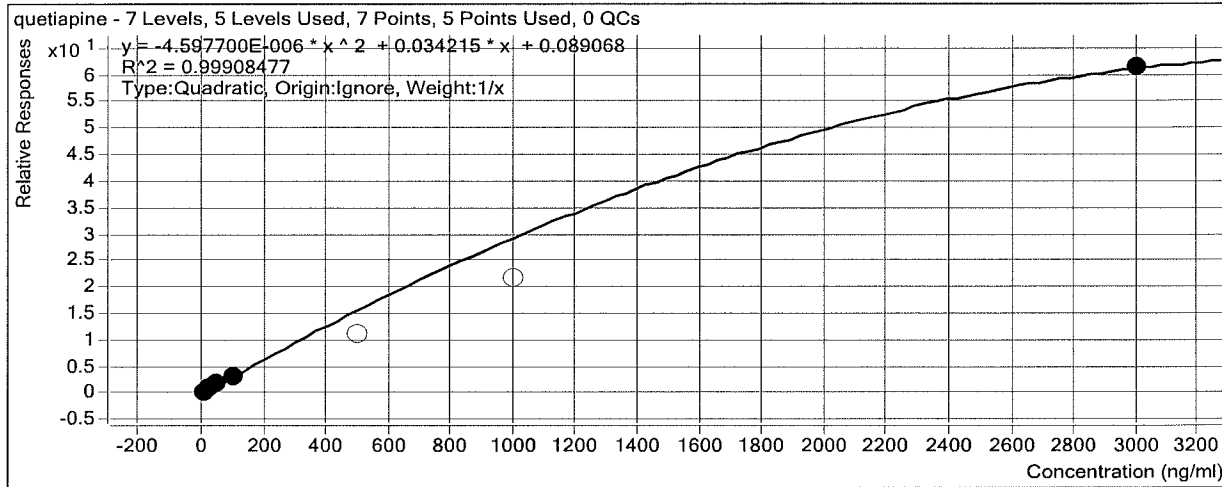
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.9	107.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.7	105.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.1	101.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	440.3	88.1
1000 ng/mL	8	<input type="checkbox"/>	1000	920.4	92.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3050.6	101.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *quetiapine*
Internal Standard *Oxazepam D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	8.6	85.6
25 ngmL	4	<input checked="" type="checkbox"/>	25	28.5	114.2
50 ngmL	5	<input checked="" type="checkbox"/>	50	52.5	105.0
100 ngmL	6	<input checked="" type="checkbox"/>	100	95.3	95.3
500 ngmL	7	<input type="checkbox"/>	500	341.5	68.3
1000 ngmL	8	<input type="checkbox"/>	1000	693.7	69.4
3000 ngmL	9	<input checked="" type="checkbox"/>	3000	3000.5	100.0

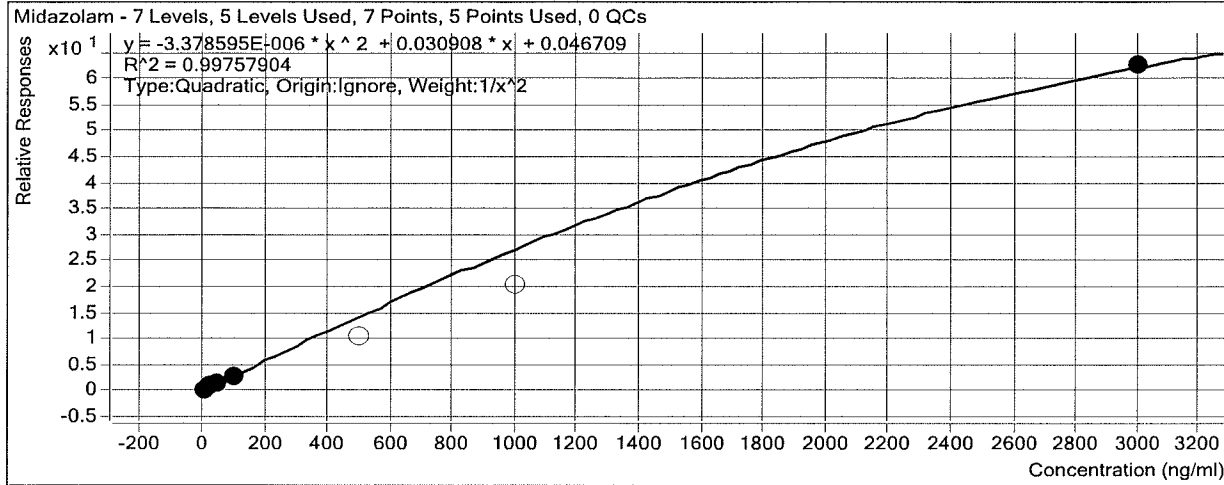
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	98.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.9	103.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.4	102.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	94.8	94.8
500 ng/mL	7	<input type="checkbox"/>	500	345.7	69.1
1000 ng/mL	8	<input type="checkbox"/>	1000	710.1	71.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3008.4	100.3

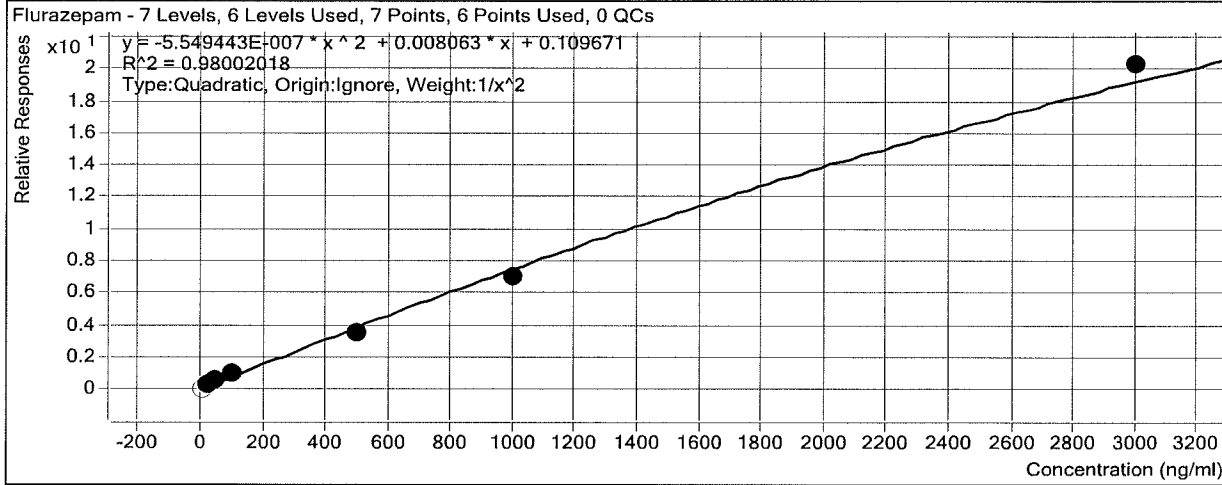
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM

Analyst Name ISP TOX

Target Compound *Flurazepam*
Internal Standard *Diazepam-D5 ISTD*



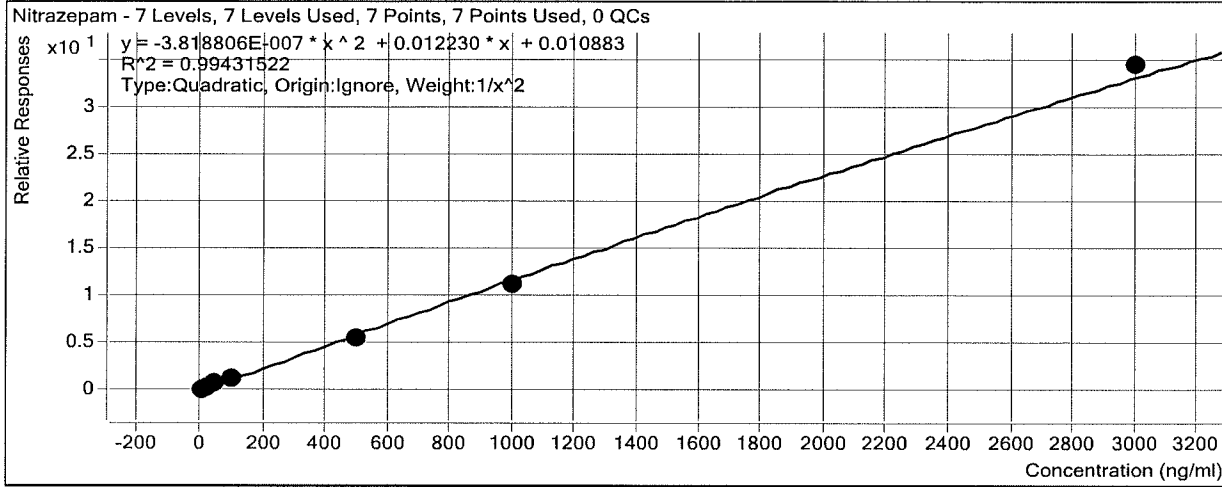
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	0.0	0.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.0	91.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.8	111.6
100 ng/mL	6	<input checked="" type="checkbox"/>	100	112.7	112.7
500 ng/mL	7	<input checked="" type="checkbox"/>	500	430.3	86.1
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	921.8	92.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3203.9	106.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound Nitrazepam
Internal Standard Clonazepam-D4 ISTD



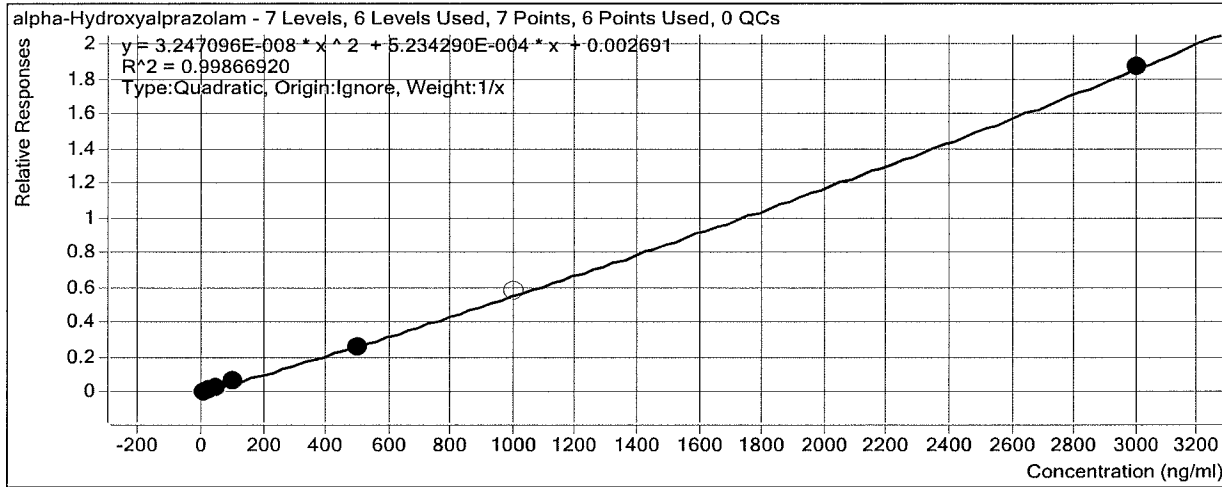
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.7	106.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.5	105.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	104.3	104.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	446.8	89.4
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	948.2	94.8
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3113.9	103.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *alpha-Hydroxyalprazolam*
Internal Standard *alphahydroxyalprazolam-D5 ISTD*



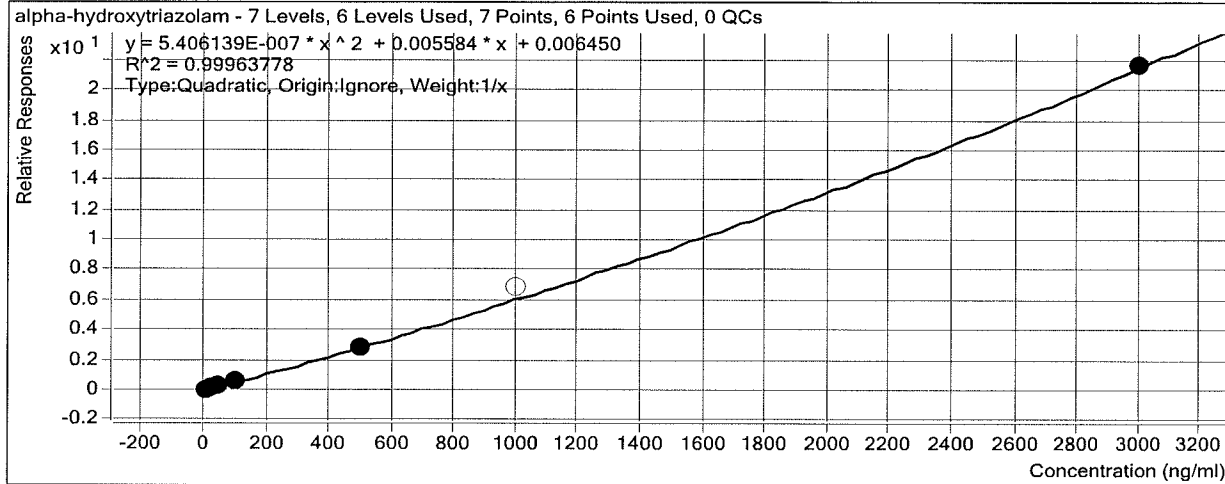
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	7.0	69.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	29.2	116.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.5	99.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	118.7	118.7
500 ng/mL	7	<input checked="" type="checkbox"/>	500	478.5	95.7
1000 ng/mL	8	<input type="checkbox"/>	1000	1031.1	103.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3002.3	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *alpha-hydroxytriazolam*
Internal Standard *Nordiazepam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.4	83.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.3	101.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	54.1	108.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	109.6	109.6
500 ng/mL	7	<input checked="" type="checkbox"/>	500	486.7	97.3
1000 ng/mL	8	<input type="checkbox"/>	1000	1107.4	110.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3001.3	100.0

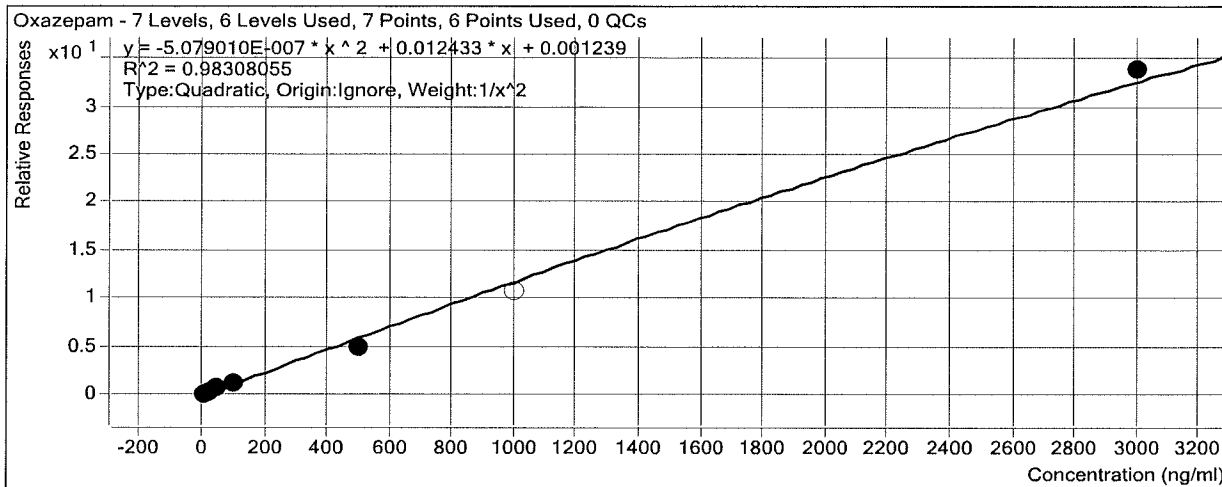
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ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam D5 ISTD



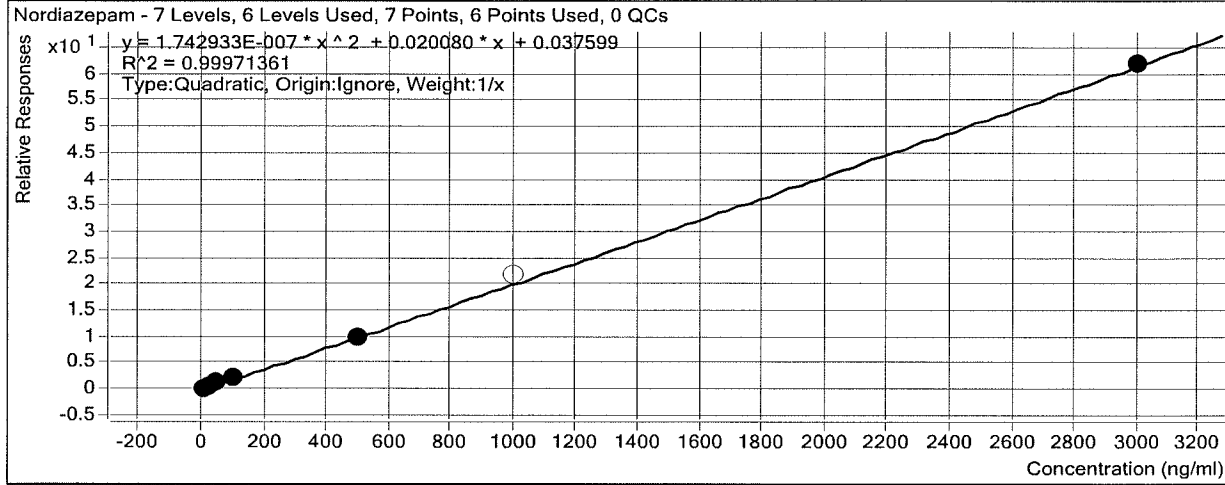
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.4	94.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	27.5	110.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	54.1	108.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.2	103.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	403.4	80.7
1000 ng/mL	8	<input type="checkbox"/>	1000	902.1	90.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3111.6	103.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.4	84.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.3	105.3
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.3	106.6
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.5	105.5
500 ng/mL	7	<input checked="" type="checkbox"/>	500	490.0	98.0
1000 ng/mL	8	<input type="checkbox"/>	1000	1070.0	107.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3001.4	100.0

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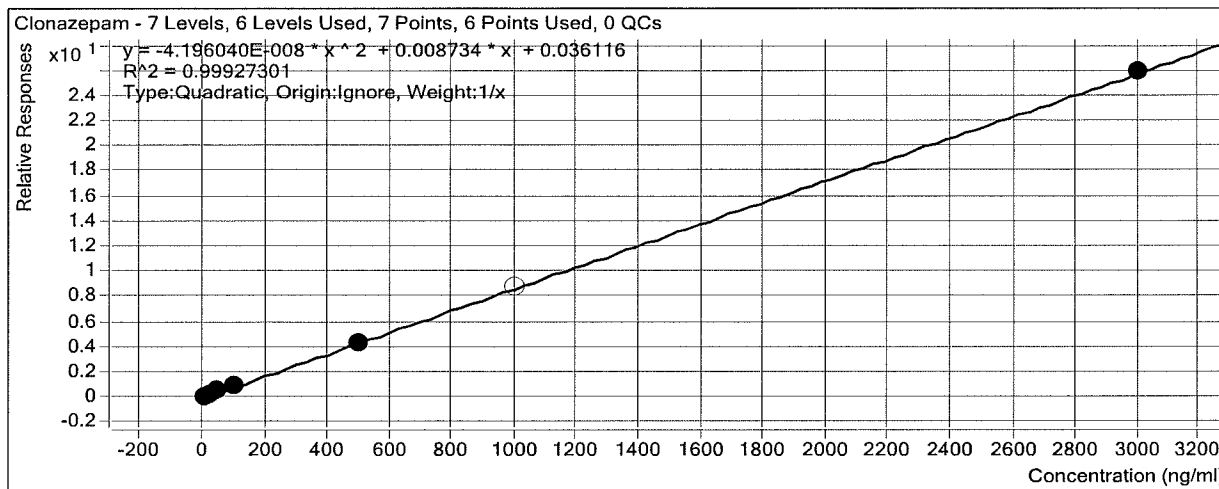
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM

Analyst Name ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	7.8	78.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.0	103.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	56.3	112.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	108.2	108.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	484.4	96.9
1000 ng/mL	8	<input type="checkbox"/>	1000	1005.3	100.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3002.3	100.1

BLJ

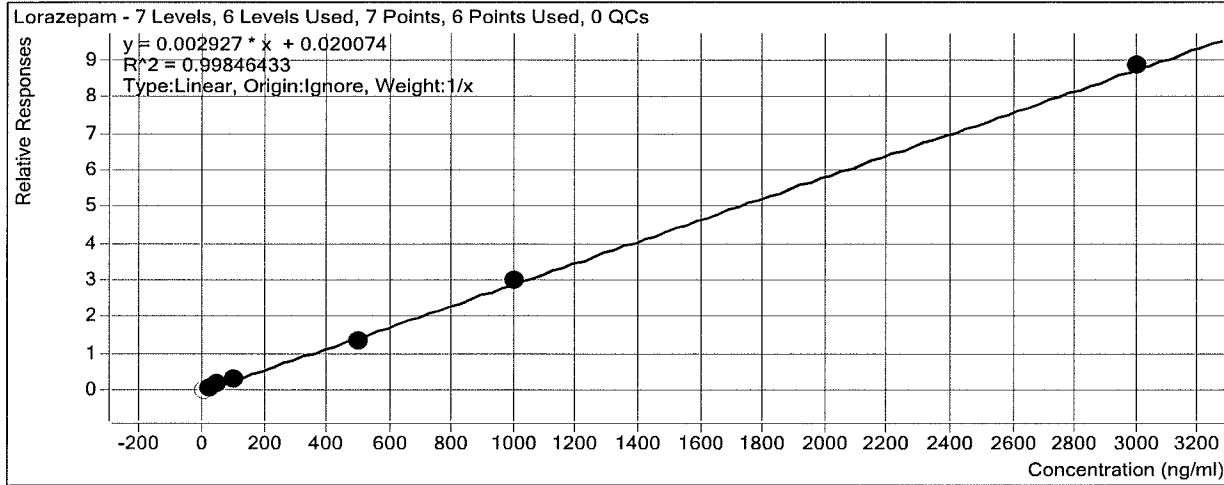
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Oxazepam D5 ISTD



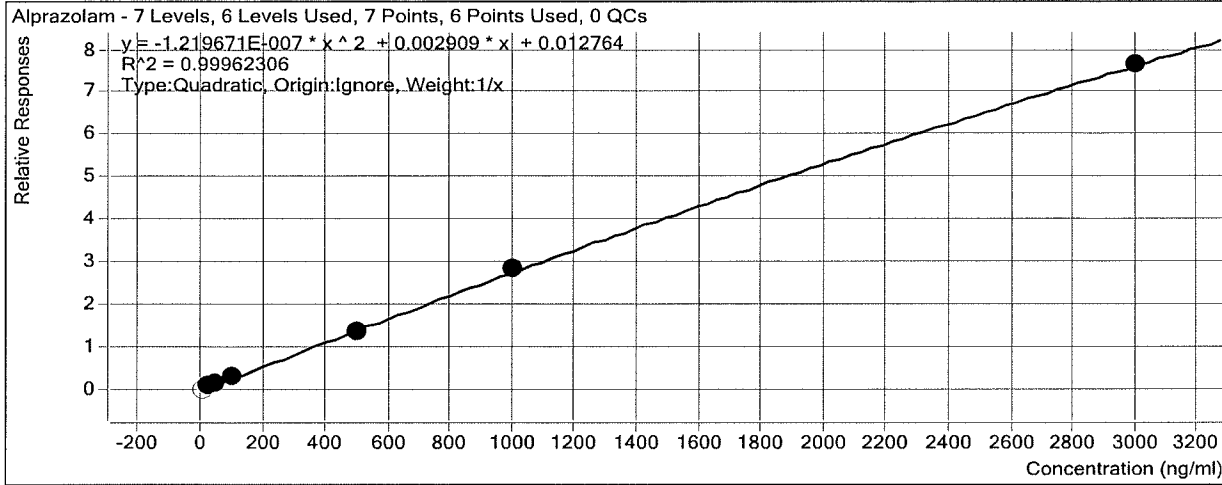
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	3.8	38.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.7	95.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.1	106.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	106.0	106.0
500 ng/mL	7	<input checked="" type="checkbox"/>	500	449.3	89.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1023.6	102.4
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3019.3	100.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard alphahydroxyalprazolam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	6.0	59.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.2	104.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.8	91.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.3	105.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	485.4	97.1
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1015.6	101.6
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2996.6	99.9

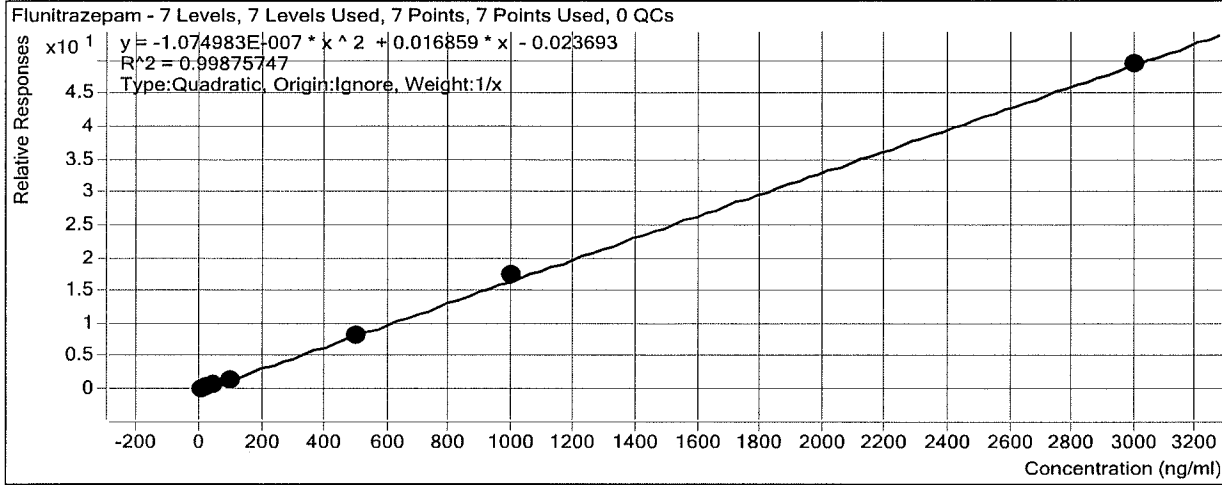
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound Flunitrazepam
Internal Standard Clonazepam-D4 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	12.0	119.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.4	105.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.2	90.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	82.4	82.4
500 ng/mL	7	<input checked="" type="checkbox"/>	500	494.3	98.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1035.1	103.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2989.6	99.7

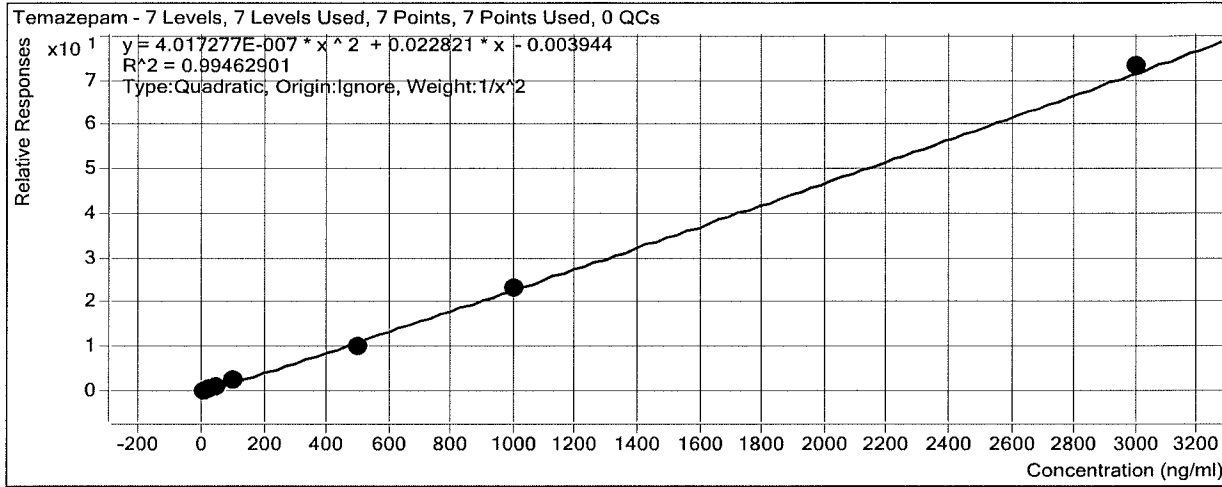
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *Temazepam*
Internal Standard *Oxazepam D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	27.0	108.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.7	105.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.1	100.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	442.4	88.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1005.3	100.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3044.0	101.5

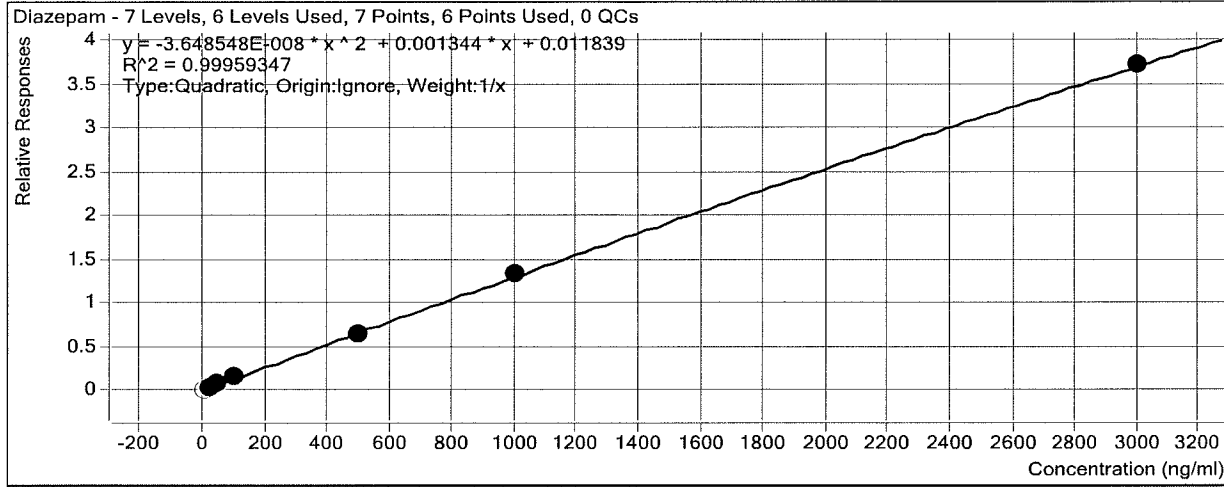
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin

Last Calib Update 4/6/2017 4:13 PM **Analyst Name** ISP TOX

Target Compound *Diazepam*
Internal Standard *Diazepam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	2.3	23.1
25 ng/mL	4	<input checked="" type="checkbox"/>	25	22.9	91.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.9	105.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.0	105.0
500 ng/mL	7	<input checked="" type="checkbox"/>	500	481.1	96.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1015.5	101.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2997.6	99.9

ISP FORENSICS - Cd'A Instrument # 62340

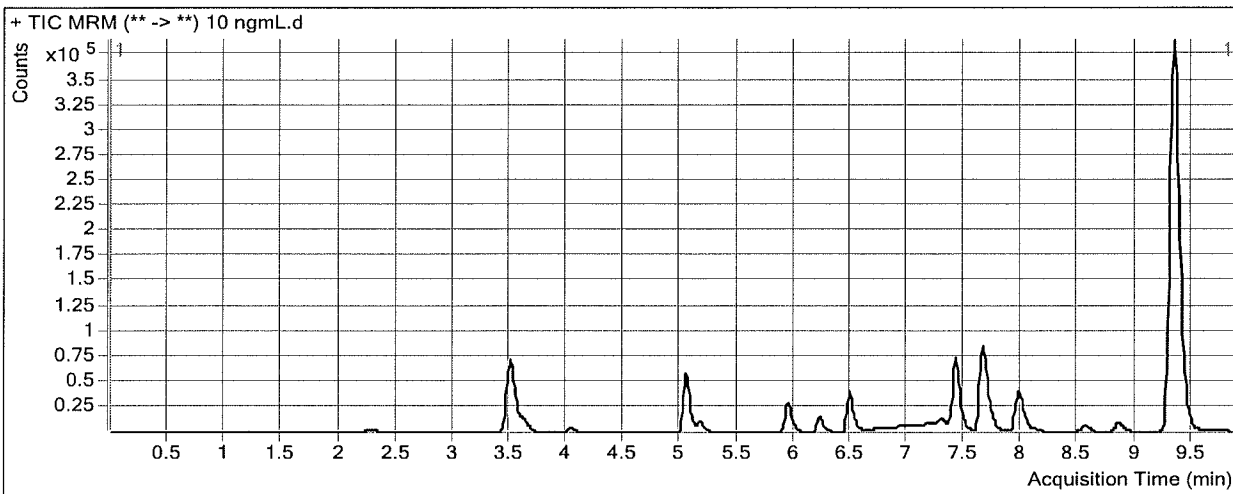
Benzodiazepine Analysis Report

Batch Data Path	D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin		
Analysis Time	4/6/2017 4:13 PM	Analyst Name	ISP Tox
Report Time	4/6/2017 4:14 PM	Reporter Name	ISP Tox
Last Calib Update	4/6/2017 4:13 PM	Batch State	Processed

Analysis Info

Acq Time	2017-04-06 10:15	Data File	10 ngmL.d
Sample Type	Calibration	Sample Name	10 ngmL
Dilution	1	Acq Method	Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position	P1-A2	Sample Info	ppd 4/6/17- Unextracted
Inj Vol	-1	Comment	AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.275	10232	312618	0.0327	4.7224
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.628	36631	312618	0.1172	8.3954
zopiclone	Oxazepam D5 ISTD	4.032	12625	173853	0.0726	9.2903
zolpidem	Oxazepam D5 ISTD	5.045	166359	173853	0.9569	9.3025
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.173	32239	63696	0.5061	9.5918
quetiapine	Oxazepam D5 ISTD	5.939	66358	173853	0.3817	8.5624
Midazolam	Clonazepam-D4 ISTD	6.218	44823	127807	0.3507	9.8464
Flurazepam	Diazepam-D5 ISTD	6.479	122395	1169694	0.1046	0.0000
Nitrazepam	Clonazepam-D4 ISTD	7.292	16416	127807	0.1284	9.6152
alpha-Hydroxylprazolam	alphahydroxylprazolam-D5 ISTD	7.456	1465	231203	0.0063	6.9590
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.505	3389	63696	0.0532	8.3660
Oxazepam	Oxazepam D5 ISTD	7.695	20614	173853	0.1186	9.4404
Nordiazepam	Nordiazepam-D5 ISTD	7.748	13202	63696	0.2073	8.4488
Clonazepam	Clonazepam-D4 ISTD	8.003	13360	127807	0.1045	7.8342
Lorazepam	Oxazepam D5 ISTD	8.051	5437	173853	0.0313	3.8260
Alprazolam	alphahydroxylprazolam-D5 ISTD	8.113	6968	231203	0.0301	5.9732
Flunitrazepam	Clonazepam-D4 ISTD	8.546	22739	127807	0.1779	11.9597
Temazepam	Oxazepam D5 ISTD	8.840	37359	173853	0.2149	9.5874
Diazepam	Diazepam-D5 ISTD	9.435	17483	1169694	0.0149	2.3121

ISP FORENSICS - Cd'A Instrument # 62340

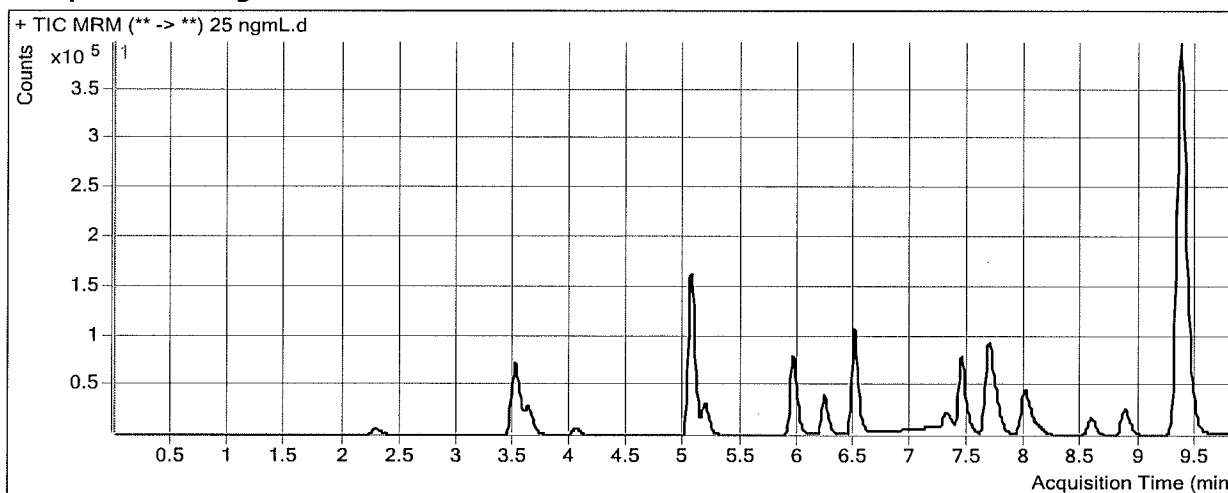
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 10:30 **Data File** 25 ngmL.d
Sample Type Calibration **Sample Name** 25 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A3 **Sample Info** ppd 4/6/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.283	30137	316934	0.0951	24.5521
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.637	103922	316934	0.3279	28.8698
zopiclone	Oxazepam D5 ISTD	4.040	18575	179773	0.1033	28.4835
zolpidem	Oxazepam D5 ISTD	5.053	473631	179773	2.6346	28.6039
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.181	97475	66446	1.4670	26.9473
quetiapine	Oxazepam D5 ISTD	5.947	190885	179773	1.0618	28.5399
Midazolam	Clonazepam-D4 ISTD	6.234	126182	149168	0.8459	25.9311
Flurazepam	Diazepam-D5 ISTD	6.488	354871	1204772	0.2946	22.9648
Nitrazepam	Clonazepam-D4 ISTD	7.301	50227	149168	0.3367	26.6630
alpha-Hydroxyalprazolam	alphanhydroxyalprazolam-D5 ISTD	7.473	3563	197871	0.0180	29.2074
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.522	9839	66446	0.1481	25.3021
Oxazepam	Oxazepam D5 ISTD	7.712	61617	179773	0.3428	27.4981
Nordiazepam	Nordiazepam-D5 ISTD	7.765	37631	66446	0.5663	26.3261
Clonazepam	Clonazepam-D4 ISTD	8.020	39195	149168	0.2628	25.9529
Lorazepam	Oxazepam D5 ISTD	8.076	16104	179773	0.0896	23.7467
Alprazolam	alphanhydroxyalprazolam-D5 ISTD	8.122	17566	197871	0.0888	26.1551
Flunitrazepam	Clonazepam-D4 ISTD	8.563	62870	149168	0.4215	26.4096
Temazepam	Oxazepam D5 ISTD	8.865	110254	179773	0.6133	27.0340
Diazepam	Diazepam-D5 ISTD	9.460	51264	1204772	0.0426	22.8610

ISP FORENSICS - Cd'A Instrument # 62340

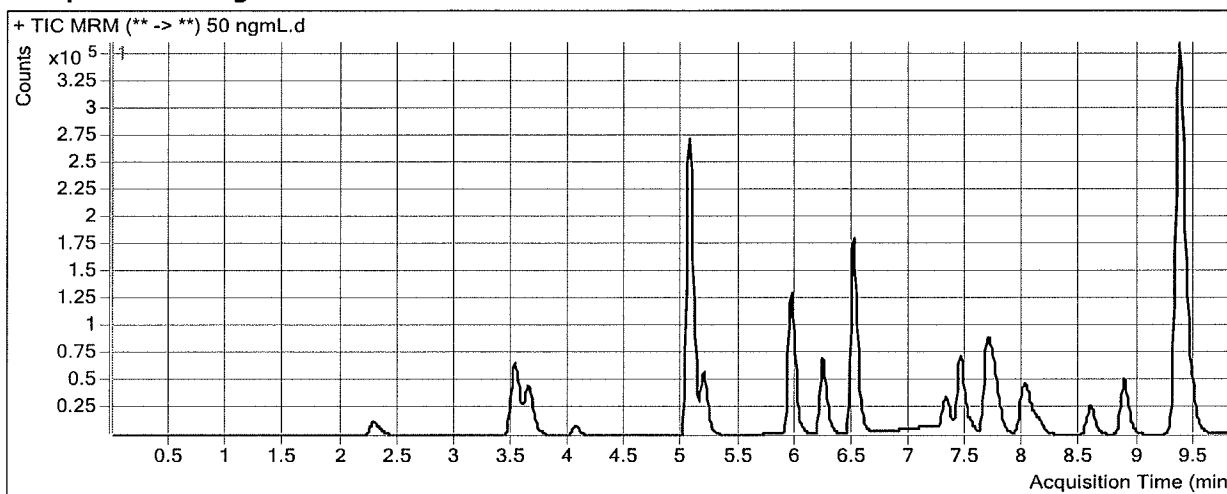
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 10:45 **Data File** 50 ngmL.d
Sample Type Calibration **Sample Name** 50 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A4 **Sample Info** ppd 4/6/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.292	53722	293304	0.1832	52.7282
7-Aminoflunitrazepam	ISTD	3.645	168581	293304	0.5748	53.0510
zopiclone	Oxazepam D5 ISTD	4.048	26198	167196	0.1567	53.3861
zolpidem	Oxazepam D5 ISTD	5.053	806890	167196	4.8260	53.8934
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.181	175061	60470	2.8950	52.7248
quetiapine	Oxazepam D5 ISTD	5.956	313008	167196	1.8721	52.4829
Midazolam	Clonazepam-D4 ISTD	6.234	222470	136772	1.6266	51.4045
Flurazepam	Diazepam-D5 ISTD	6.496	605150	1084360	0.5581	55.8232
Nitrazepam	Clonazepam-D4 ISTD	7.309	89192	136772	0.6521	52.5158
alpha-Hydroxyalprazolam	ISTD	7.481	6533	227645	0.0287	49.5322
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.530	18745	60470	0.3100	54.0778
Oxazepam	Oxazepam D5 ISTD	7.721	112492	167196	0.6728	54.1336
Nordiazepam	Nordiazepam-D5 ISTD	7.765	67033	60470	1.1085	53.3096
Clonazepam	Clonazepam-D4 ISTD	8.020	72229	136772	0.5281	56.3450
Lorazepam	Oxazepam D5 ISTD	8.076	29332	167196	0.1754	53.0788
Alprazolam	ISTD	8.130	33157	227645	0.1457	45.7627
Flunitrazepam	Clonazepam-D4 ISTD	8.571	100887	136772	0.7376	45.1708
Temazepam	Oxazepam D5 ISTD	8.865	200606	167196	1.1998	52.6986
Diazepam	Diazepam-D5 ISTD	9.469	89906	1084360	0.0829	52.9472

BW

ISP FORENSICS - Cd'A Instrument # 62340

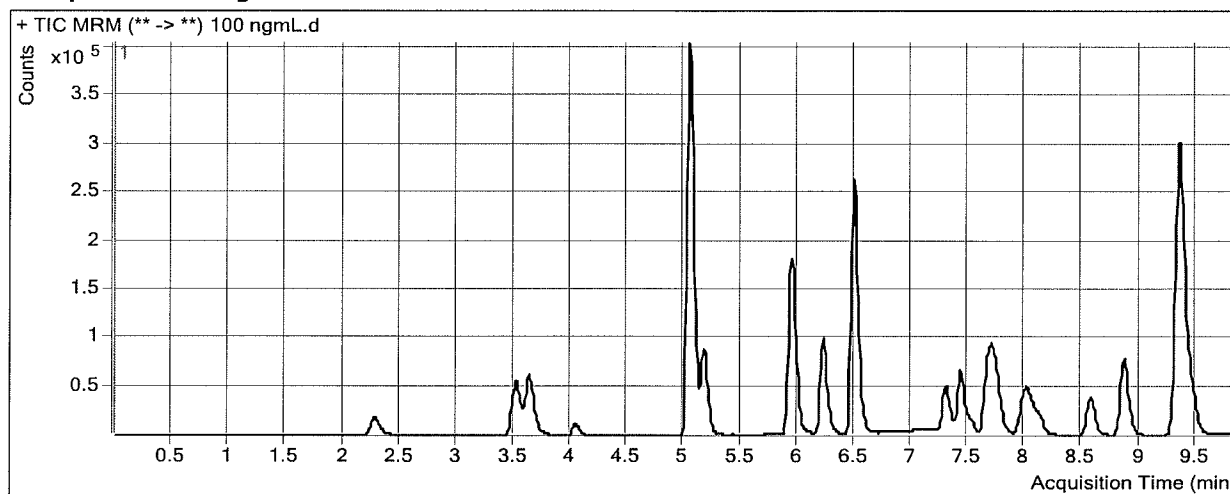
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 10:59 **Data File** 100 ngmL.d
Sample Type Calibration **Sample Name** 100 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A5 **Sample Info** ppd 4/6/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.283	78690	247463	0.3180	96.2554
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.637	245645	247463	0.9927	94.4787
zopiclone	Oxazepam D5 ISTD	4.032	35883	137194	0.2616	89.5996
zolpidem	Oxazepam D5 ISTD	5.045	1211106	137194	8.8277	100.3067
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.173	272026	48771	5.5776	101.0951
quetiapine	Oxazepam D5 ISTD	5.947	453642	137194	3.3066	95.2578
Midazolam	Clonazepam-D4 ISTD	6.226	326218	110666	2.9478	94.8456
Flurazepam	Diazepam-D5 ISTD	6.488	916285	906146	1.0112	112.6764
Nitrazepam	Clonazepam-D4 ISTD	7.301	141967	110666	1.2828	104.3394
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.464	10577	162018	0.0653	118.7010
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.513	30471	48771	0.6248	109.5736
Oxazepam	Oxazepam D5 ISTD	7.704	175505	137194	1.2792	103.2234
Nordiazepam	Nordiazepam-D5 ISTD	7.756	105284	48771	2.1587	105.5386
Clonazepam	Clonazepam-D4 ISTD	8.012	108526	110666	0.9807	108.2038
Lorazepam	Oxazepam D5 ISTD	8.068	45319	137194	0.3303	105.9971
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.122	51496	162018	0.3178	105.3215
Flunitrazepam	Clonazepam-D4 ISTD	8.555	151034	110666	1.3648	82.4006
Temazepam	Oxazepam D5 ISTD	8.849	313497	137194	2.2851	100.1252
Diazepam	Diazepam-D5 ISTD	9.452	138231	906146	0.1525	104.9734

BW

ISP FORENSICS - Cd'A Instrument # 62340

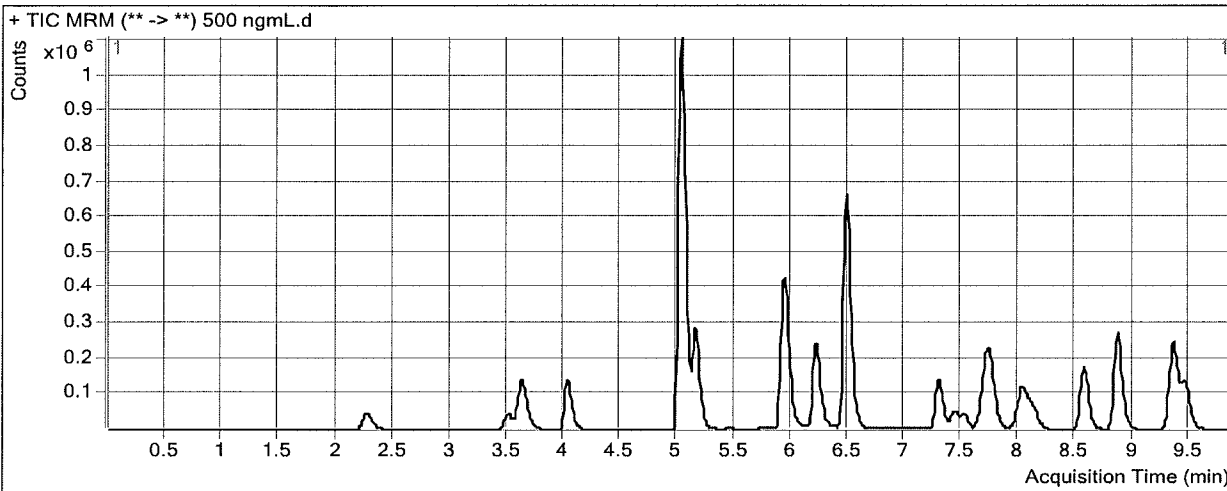
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 11:14 **Data File** 500 ngmL.d
Sample Type Calibration **Sample Name** 500 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A6 **Sample Info** ppd 4/6/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.275	215695	201809	1.0688	348.1285
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.628	641877	201809	3.1806	322.7191
zopiclone	Oxazepam D5 ISTD	4.023	396717	106347	3.7304	501.6820
zolpidem	Oxazepam D5 ISTD	5.028	3644051	106347	34.2656	402.7456
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.163	907165	37029	24.4988	440.3046
quetiapine	Oxazepam D5 ISTD	5.939	1194953	106347	11.2363	341.4704
Midazolam	Clonazepam-D4 ISTD	6.218	843347	81653	10.3284	345.7233
Flurazepam	Diazepam-D5 ISTD	6.479	2525510	726412	3.4767	430.3079
Nitrazepam	Clonazepam-D4 ISTD	7.301	440821	81653	5.3987	446.7575
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.473	31048	119148	0.2606	478.4908
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.522	105605	37029	2.8519	486.6782
Oxazepam	Oxazepam D5 ISTD	7.704	524792	106347	4.9347	403.4393
Nordiazepam	Nordiazepam-D5 ISTD	7.756	367285	37029	9.9188	490.0175
Clonazepam	Clonazepam-D4 ISTD	8.012	347591	81653	4.2569	484.3926
Lorazepam	Oxazepam D5 ISTD	8.068	141990	106347	1.3352	449.2884
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.122	166378	119148	1.3964	485.4455
Flunitrazepam	Clonazepam-D4 ISTD	8.555	676371	81653	8.2834	494.2978
Temazepam	Oxazepam D5 ISTD	8.857	1081546	106347	10.1699	442.3629
Diazepam	Diazepam-D5 ISTD	9.452	472267	726412	0.6501	481.1130

ISP FORENSICS - Cd'A Instrument # 62340

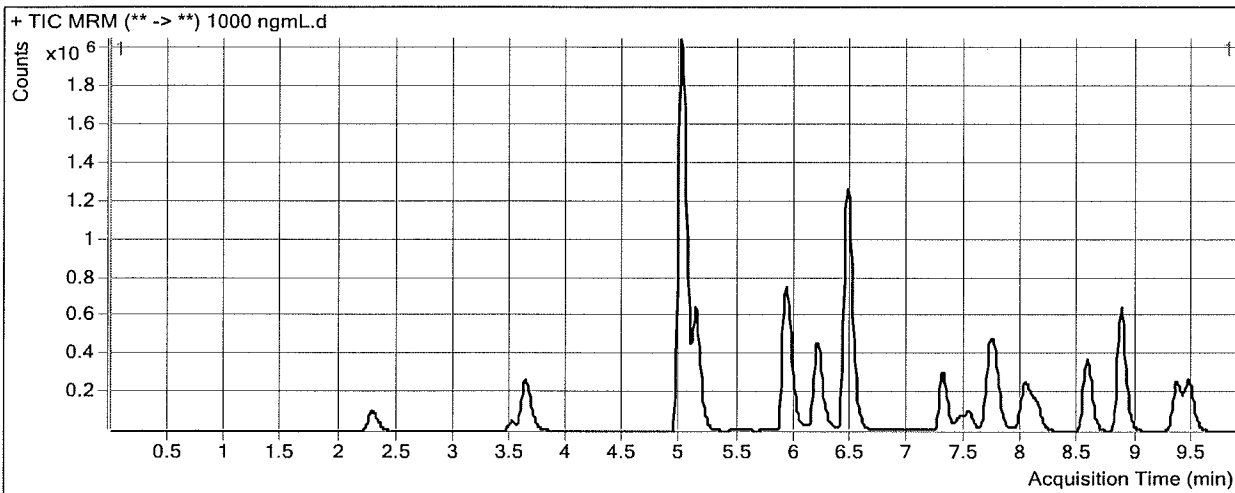
Benzodiazepine Analysis Report

Batch Data Path	D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin		
Analysis Time	4/6/2017 4:13 PM	Analyst Name	ISP Tox
Report Time	4/6/2017 4:14 PM	Reporter Name	ISP Tox
Last Calib Update	4/6/2017 4:13 PM	Batch State	Processed

Analysis Info

Acq Time	2017-04-06 11:29	Data File	1000 ngmL.d
Sample Type	Calibration	Sample Name	1000 ngmL
Dilution	1	Acq Method	Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position	P1-A7	Sample Info	ppd 4/6/17- Unextracted
Inj Vol	-1	Comment	AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.283	495734	228914	2.1656	750.9756
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.628	1312096	228914	5.7318	618.9619
zolpidem	Oxazepam D5 ISTD	5.003	7904042	111202	71.0780	865.9155
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.130	2011314	38974	51.6063	920.4357
quetiapine	Oxazepam D5 ISTD	5.914	2403214	111202	21.6112	693.6919
Midazolam	Clonazepam-D4 ISTD	6.201	1762037	86838	20.2912	710.1228
Flurazepam	Diazepam-D5 ISTD	6.463	5490001	776428	7.0708	921.7724
Nitrazepam	Clonazepam-D4 ISTD	7.301	978204	86838	11.2648	948.2295
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.464	83348	144476	0.5769	1031.0651
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.513	267078	38974	6.8527	1107.3897
Oxazepam	Oxazepam D5 ISTD	7.704	1201396	111202	10.8037	902.0640
Nordiazepam	Nordiazepam-D5 ISTD	7.765	846651	38974	21.7234	1070.0476
Clonazepam	Clonazepam-D4 ISTD	8.012	761939	86838	8.7743	1005.3459
Lorazepam	Oxazepam D5 ISTD	8.068	335396	111202	3.0161	1023.5680
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.122	410580	144476	2.8419	1015.6222
Flunitrazepam	Clonazepam-D4 ISTD	8.555	1503357	86838	17.3123	1035.1212
Temazepam	Oxazepam D5 ISTD	8.857	2595935	111202	23.3442	1005.2997
Diazepam	Diazepam-D5 ISTD	9.460	1039881	776428	1.3393	1015.4993

ISP FORENSICS - Cd'A Instrument # 62340

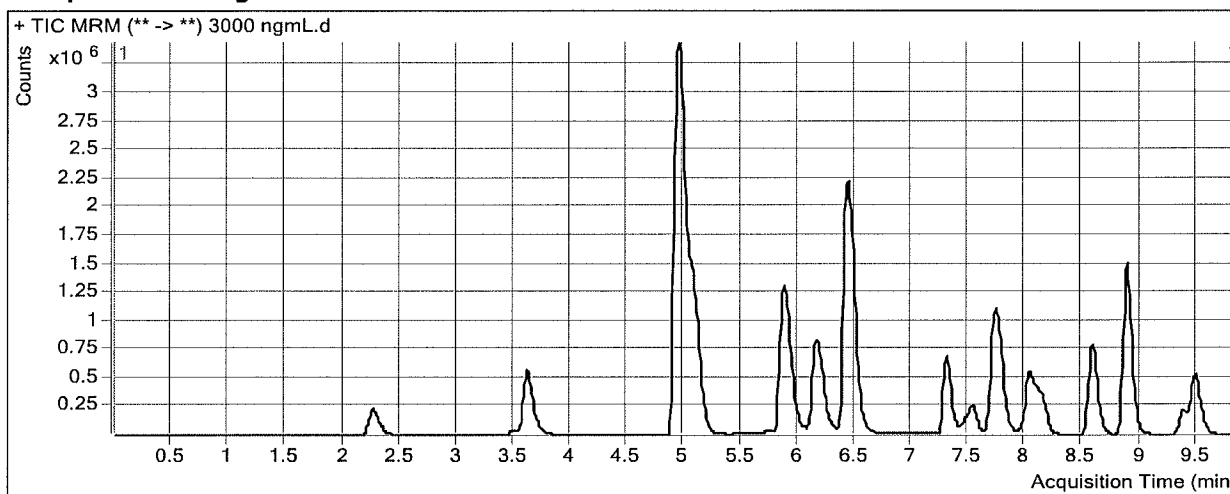
Benzodiazepine Analysis Report

Batch Data Path	D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin		
Analysis Time	4/6/2017 4:13 PM	Analyst Name	ISP Tox
Report Time	4/6/2017 4:14 PM	Reporter Name	ISP Tox
Last Calib Update	4/6/2017 4:13 PM	Batch State	Processed

Analysis Info

Acq Time	2017-04-06 11:44	Data File	3000 ngmL.d
Sample Type	Calibration	Sample Name	3000 ngmL
Dilution	1	Acq Method	Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position	P1-A8	Sample Info	ppd 4/6/17- Unextracted
Inj Vol	-1	Comment	AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.267	1132242	190627	5.9396	3005.6383
7-Aminoflunitrazepam	ISTD	3.620	2744333	190627	14.3964	2579.0118
zolpidem	Oxazepam D5 ISTD	4.945	18059334	84191	214.5051	3146.6442
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.081	5379239	30481	176.4758	3050.5872
quetiapine	Oxazepam D5 ISTD	5.881	5165716	84191	61.3573	3000.4575
Midazolam	Clonazepam-D4 ISTD	6.167	4092063	65524	62.4514	3008.4005
Flurazepam	Diazepam-D5 ISTD	6.429	12295332	607238	20.2480	3203.9468
Nitrazepam	Clonazepam-D4 ISTD	7.309	2253551	65524	34.3928	3113.9474
alpha-Hydroxyalprazolam	alphanhydroxyalprazolam-D5 ISTD	7.481	248246	132975	1.8669	3002.2979
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.530	659446	30481	21.6343	3001.2910
Oxazepam	Oxazepam D5 ISTD	7.721	2843264	84191	33.7717	3111.6171
Nordiazepam	Nordiazepam-D5 ISTD	7.773	1886010	30481	61.8740	3001.3611
Clonazepam	Clonazepam-D4 ISTD	8.020	1695727	65524	25.8795	3002.2749
Lorazepam	Oxazepam D5 ISTD	8.085	745737	84191	8.8577	3019.3209
Alprazolam	alphanhydroxyalprazolam-D5 ISTD	8.139	1015388	132975	7.6360	2996.5844
Flunitrazepam	Clonazepam-D4 ISTD	8.571	3238066	65524	49.4181	2989.6417
Temazepam	Oxazepam D5 ISTD	8.874	6161552	84191	73.1857	3043.9755
Diazepam	Diazepam-D5 ISTD	9.477	2255012	607238	3.7136	2997.5922

ISP FORENSICS - Cd'A Instrument # 62340

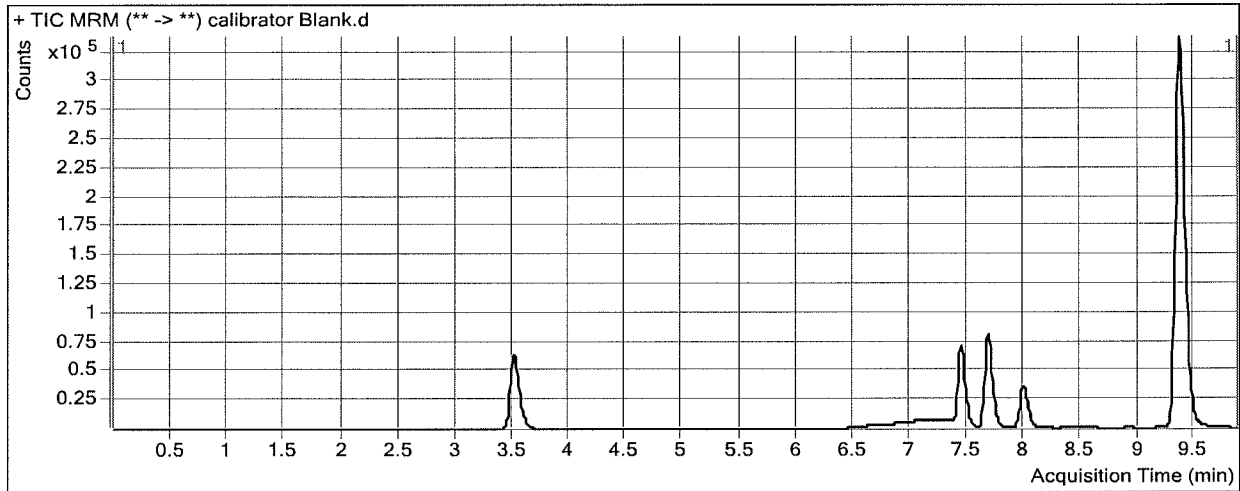
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-6-17 urine benz\QuantResults\4-6-17 urine benz.batch.bin
Analysis Time 4/6/2017 4:13 PM **Analyst Name** ISP Tox
Report Time 4/6/2017 4:14 PM **Reporter Name** ISP Tox
Last Calib Update 4/6/2017 4:13 PM **Batch State** Processed

Analysis Info

Acq Time 2017-04-06 11:58 **Data File** calibrator Blank.d
Sample Type Blank **Sample Name** Blank
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



BW