





Worklist: 1721

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0580	1	84253	AM 13 Urine LCMS-QQQ Benz	
C2017-0837	1	84252	AM 13 Urine LCMS-QQQ Benz	
C2017-0838	1	84251	AM 13 Urine LCMS-QQQ Benz	
M2017-2007	3	84250	AM 13 Urine LCMS-QQQ Benz	



ISP FORENSICS - Cd'A Instrument # 62340

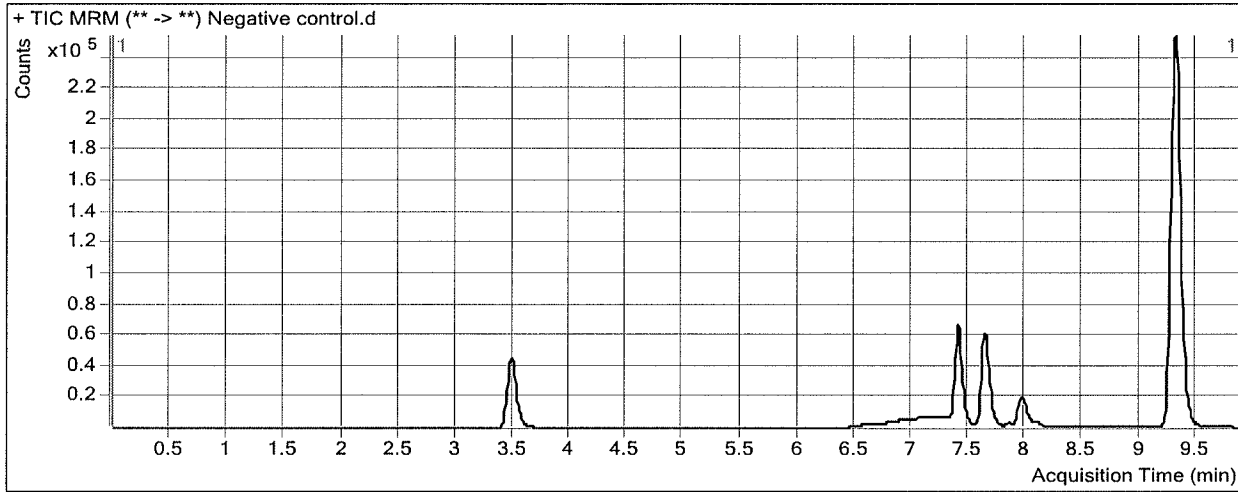
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 16:04 **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 42617
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

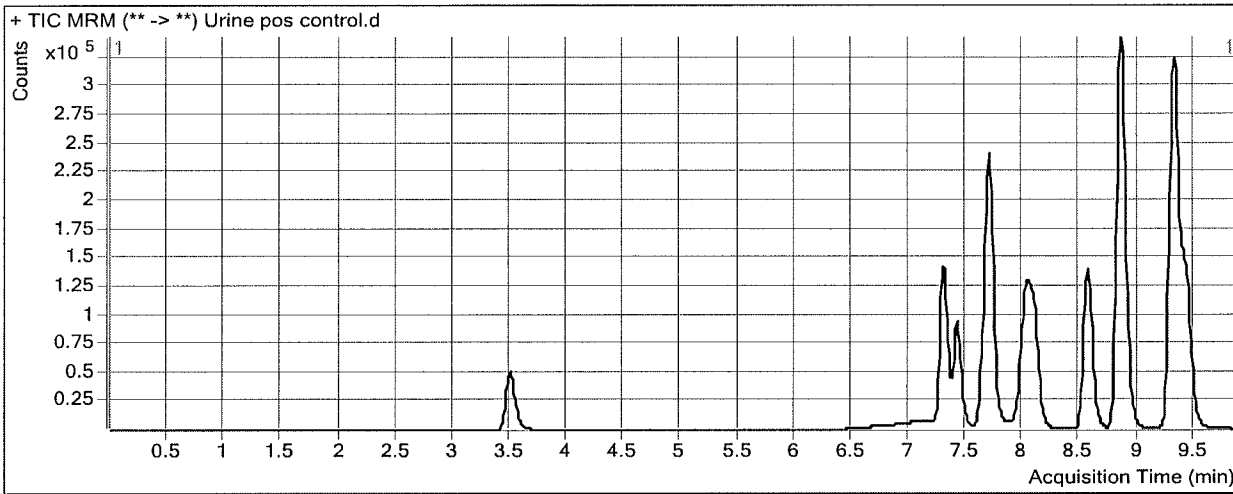
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 16:19 **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 42617
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	7.292	451542	92892	4.8609	357.5306
Nordiazepam	Nordiazepam-D5 ISTD	7.706	1581	52677	0.0300	1.9771
Oxazepam	Oxazepam D5 ISTD	7.695	647524	158887	4.0754	290.7755
Clonazepam	Clonazepam-D4 ISTD	8.012	344381	92892	3.7073	323.3460
Lorazepam	Oxazepam D5 ISTD	8.051	153923	158887	0.9688	269.7216
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.096	252215	296931	0.8494	278.5290
Flunitrazepam	Clonazepam-D4 ISTD	8.555	561943	92892	6.0494	411.8782
Temazepam	Oxazepam D5 ISTD	8.840	1460872	158887	9.1944	370.1999
Diazepam	Diazepam-D5 ISTD	9.419	483794	990905	0.4882	306.5957

BW

ISP FORENSICS - Cd'A Instrument # 62340

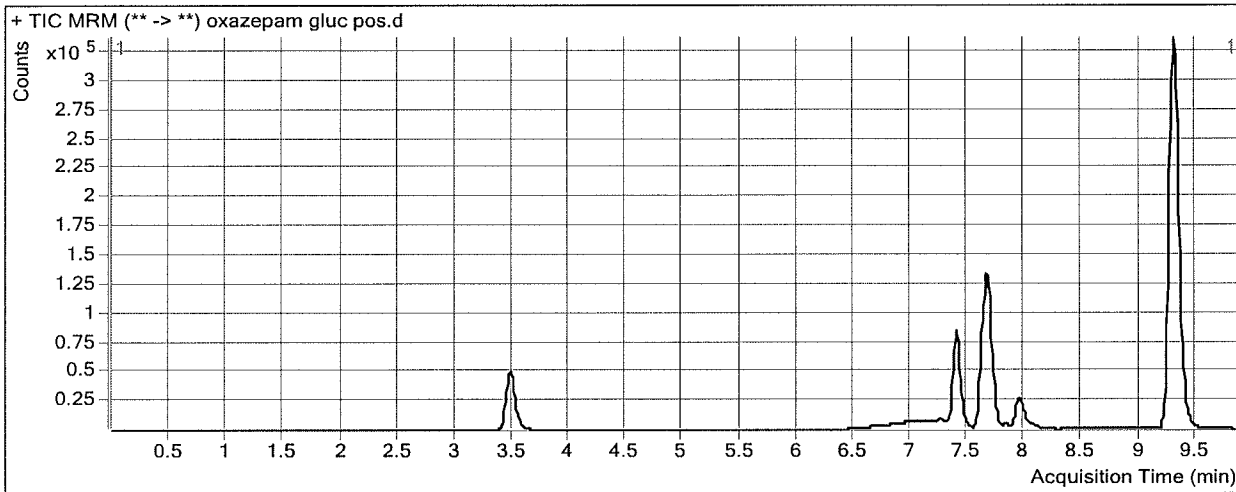
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 15:50 **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** Oxazepam Glucuronide WS lot 51017 in 42617 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	7.679	298483	168791	1.7684	123.9048

ISP FORENSICS - Cd'A Instrument # 62340

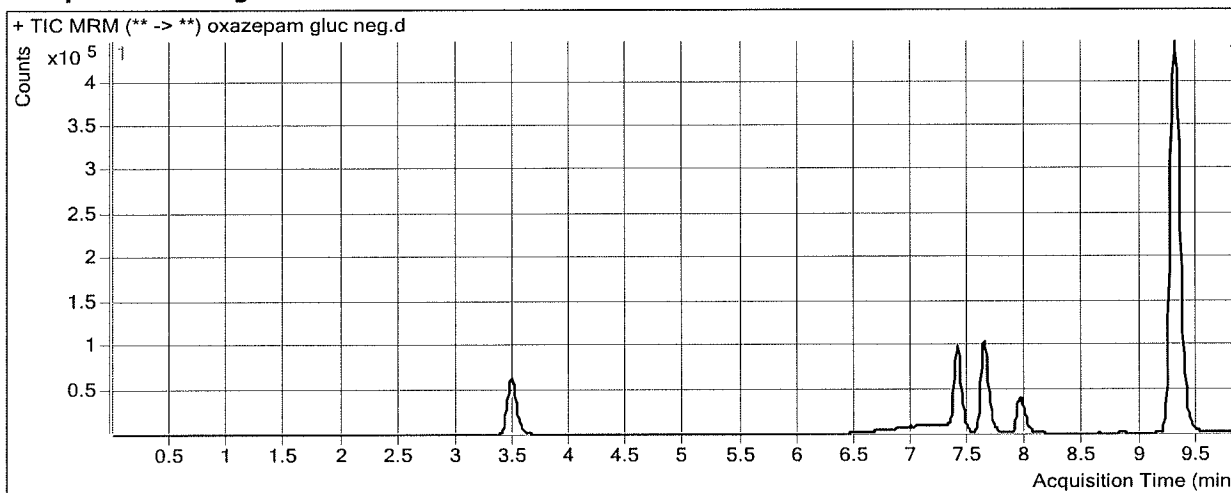
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 15:35 **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** Oxazepam Glucuronide WS lot 51017 in 42617 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	7.679	2258	223339	0.0101	1.2083

ISP FORENSICS - Cd'A Instrument # 62340

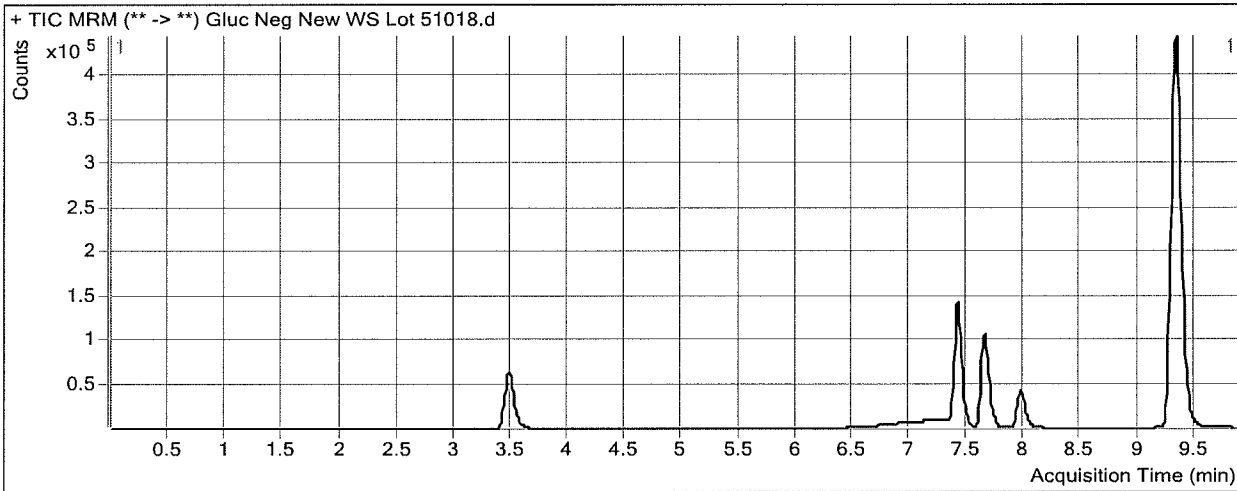
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:09 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 18:46 **Data File** Gluc Neg New WS Lot 51018.d
Sample Type Sample **Sample Name** Gluc Neg New WS Lot 51018
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-C2 **Sample Info**
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	7.687	2840	243784	0.0116	1.3141

ISP FORENSICS - Cd'A Instrument # 62340

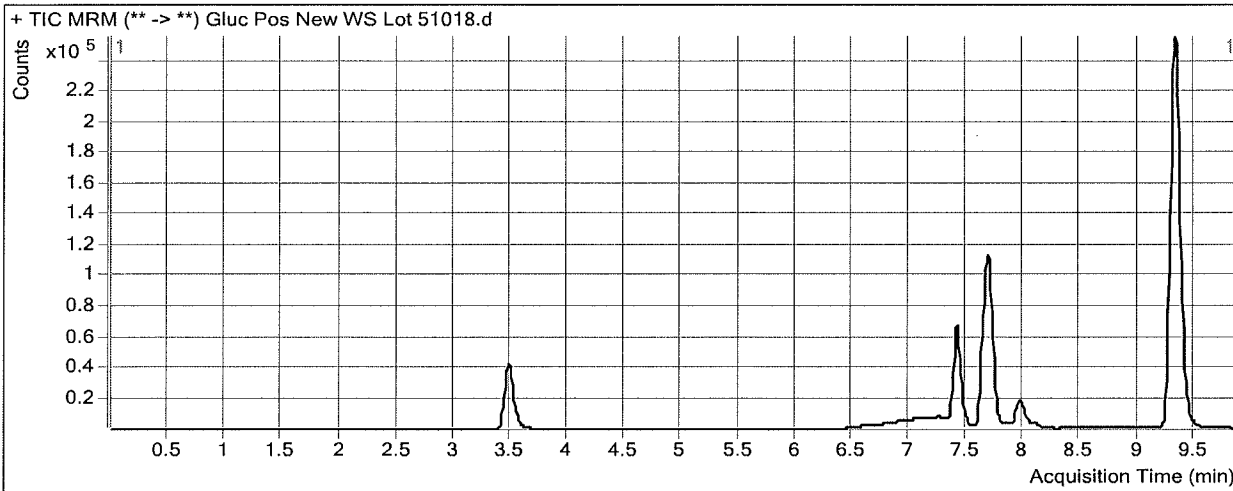
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:09 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 18:32 **Data File** Gluc Pos New WS Lot 51018.d
Sample Type Sample **Sample Name** Gluc Pos New WS Lot 51018
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

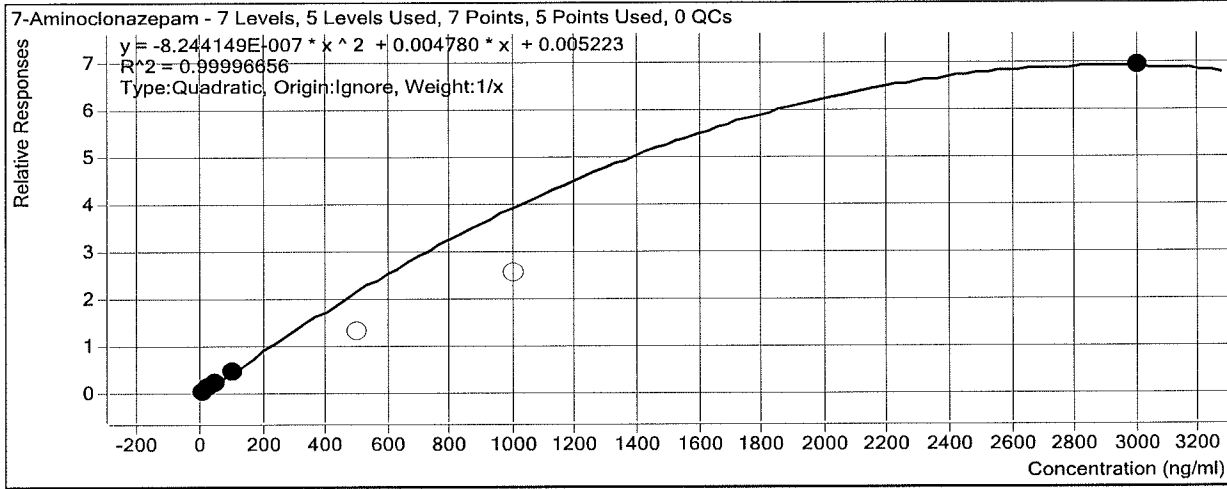
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam D5 ISTD	7.687	259253	134251	1.9311	135.4503

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



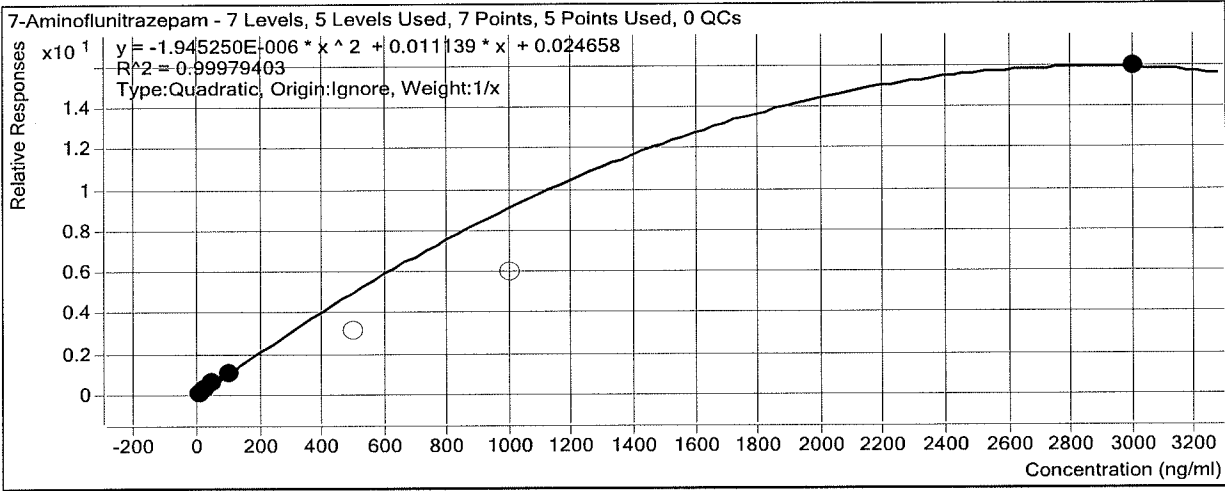
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	98.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.1	100.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.9	101.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.1	99.1
500 ng/mL	7	<input type="checkbox"/>	500	285.2	57.0
1000 ng/mL	8	<input type="checkbox"/>	1000	595.0	59.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2798.5	93.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



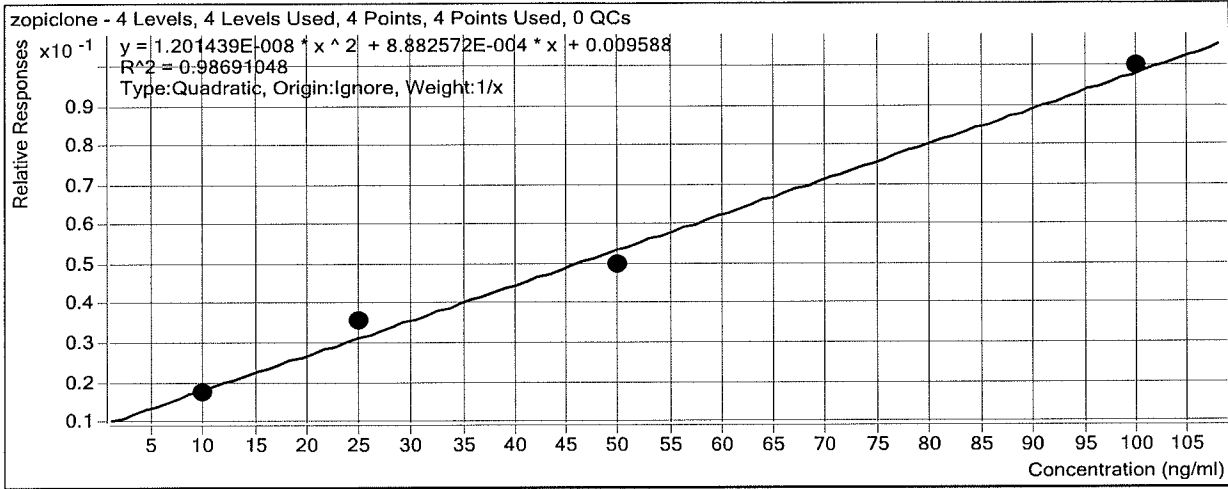
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.6	102.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.0	104.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	97.8	97.8
500 ng/mL	7	<input type="checkbox"/>	500	299.6	59.9
1000 ng/mL	8	<input type="checkbox"/>	1000	605.1	60.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2726.9	90.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound zopiclone
Internal Standard Oxazepam D5 ISTD



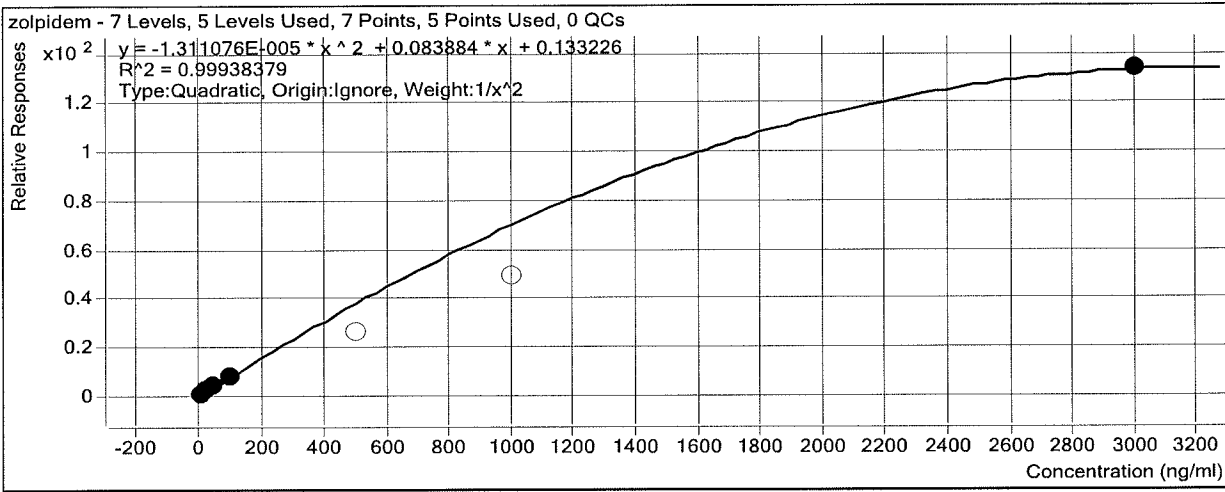
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.1	91.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	29.1	116.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.4	90.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.4	101.4
500 ng/mL	7	<input checked="" type="checkbox"/>	500	0.0	0.0
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\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound zolpidem
Internal Standard Oxazepam D5 ISTD



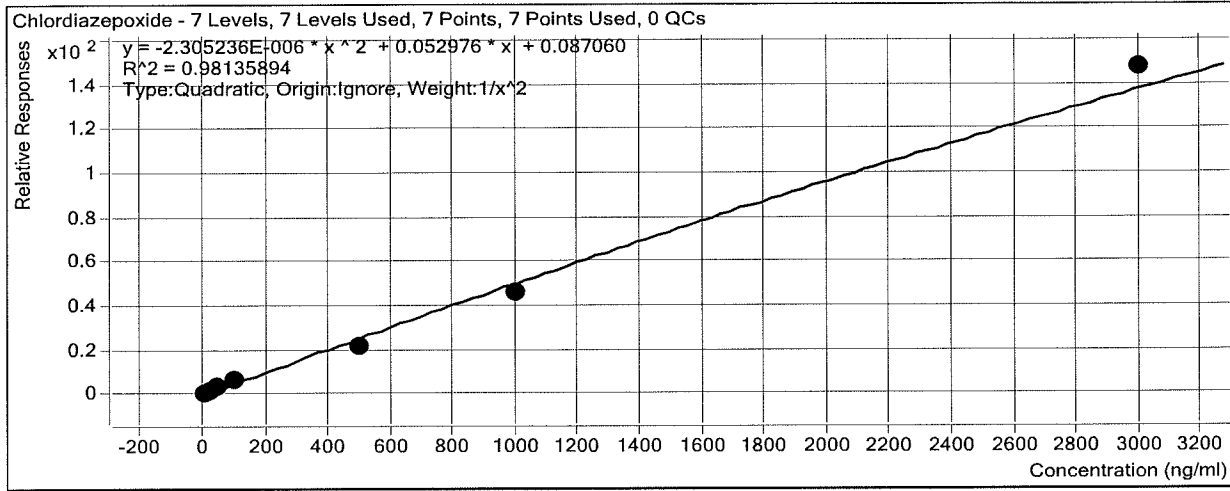
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.7	102.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.1	98.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.7	99.7
500 ng/mL	7	<input type="checkbox"/>	500	325.0	65.0
1000 ng/mL	8	<input type="checkbox"/>	1000	654.6	65.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3008.9	100.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



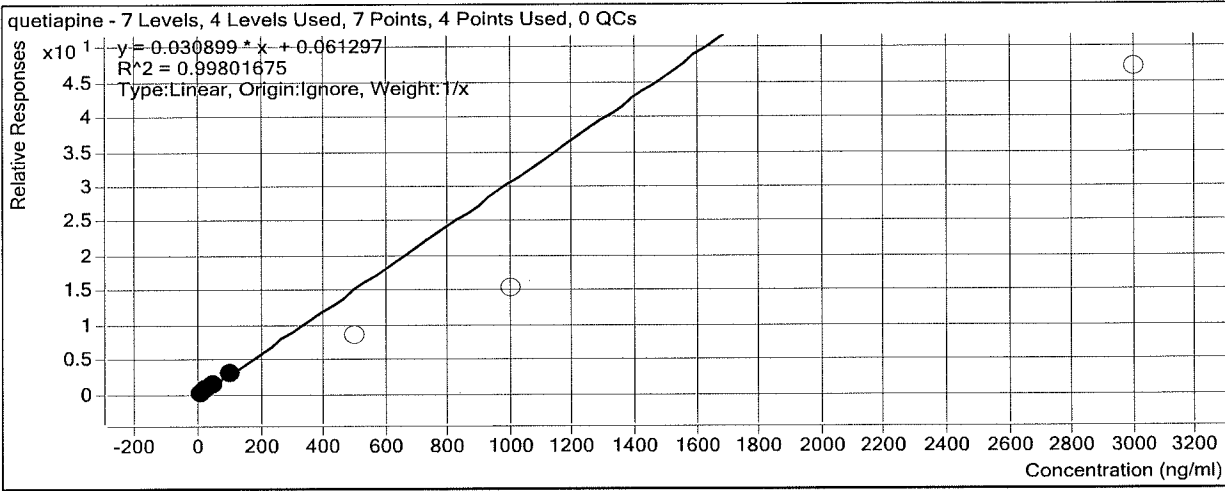
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.8	103.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.4	110.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	113.0	113.0
500 ng/mL	7	<input checked="" type="checkbox"/>	500	402.5	80.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	895.7	89.6
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3234.3	107.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.4	93.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.7	106.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.3	100.6
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.6	98.6
500 ng/mL	7	<input type="checkbox"/>	500	275.2	55.0
1000 ng/mL	8	<input type="checkbox"/>	1000	501.2	50.1
3000 ng/mL	9	<input type="checkbox"/>	3000	1520.2	50.7

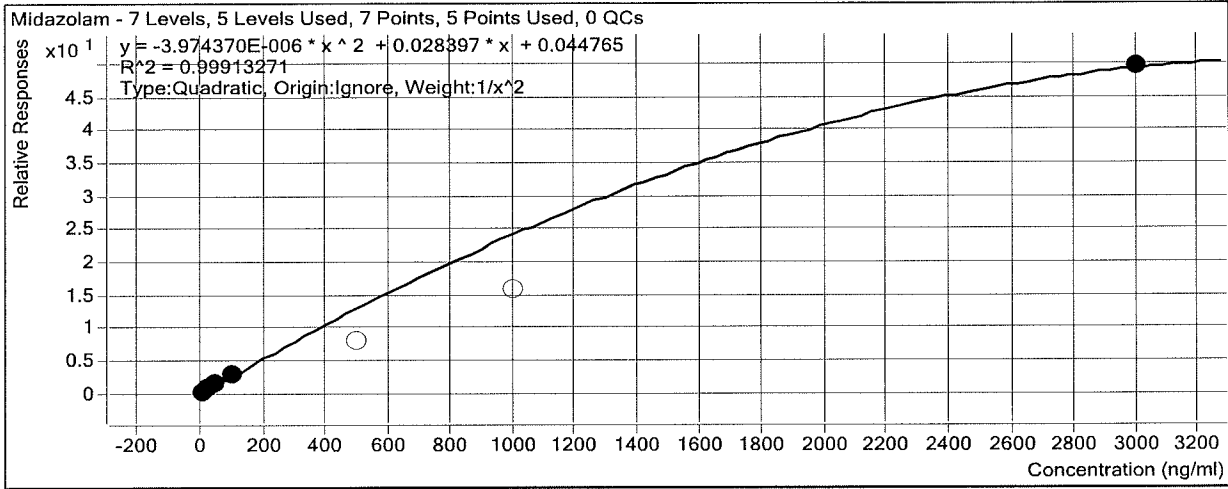
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Clonazepam-D4 ISTD



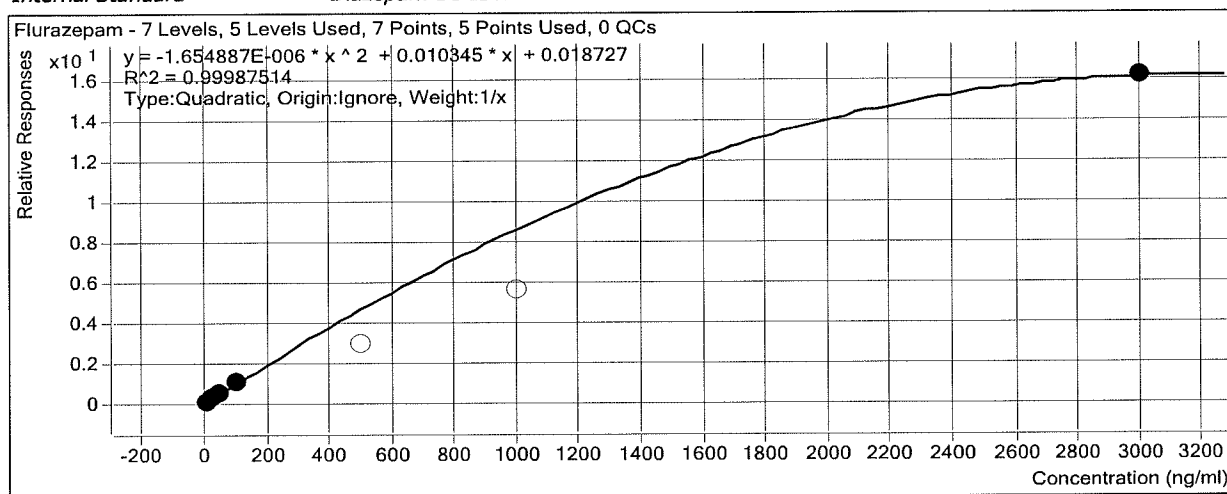
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.3	101.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.2	102.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	96.9	96.9
500 ng/mL	7	<input type="checkbox"/>	500	291.3	58.3
1000 ng/mL	8	<input type="checkbox"/>	1000	606.7	60.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3009.8	100.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



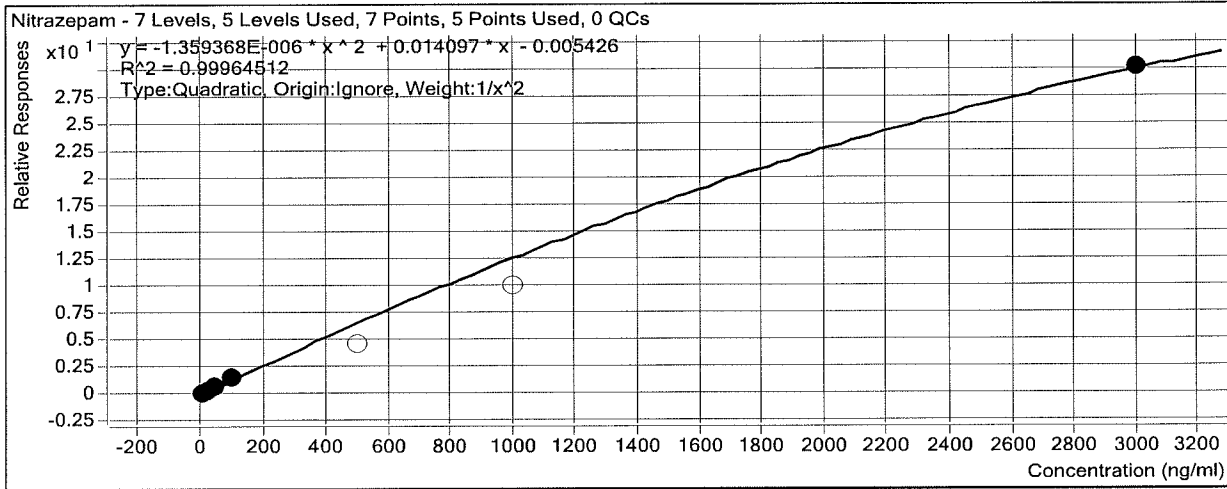
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.5	102.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.6	103.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.1	98.1
500 ng/mL	7	<input type="checkbox"/>	500	301.0	60.2
1000 ng/mL	8	<input type="checkbox"/>	1000	600.6	60.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.8	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound Nitrazepam
Internal Standard Clonazepam-D4 ISTD



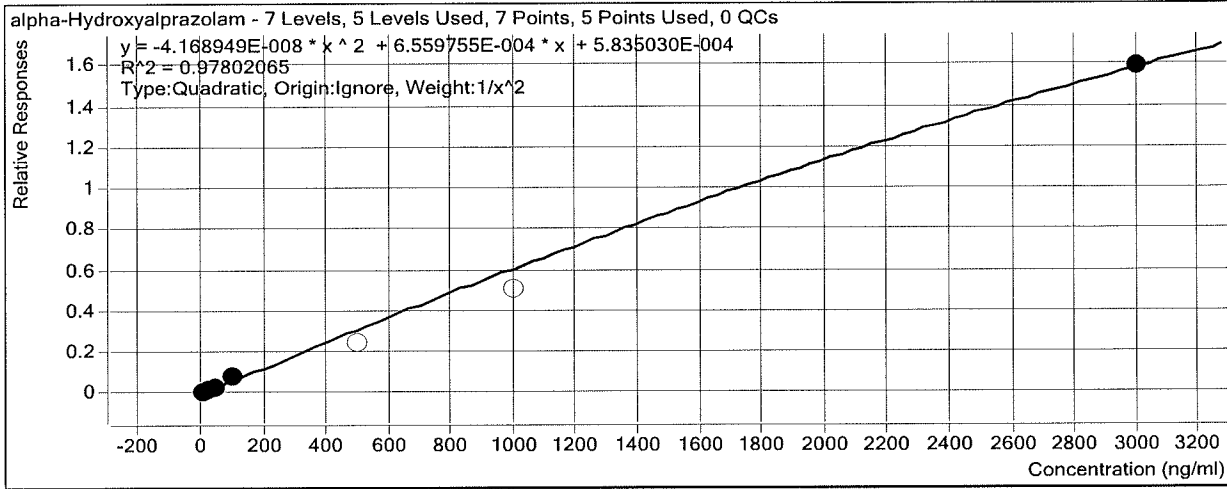
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.4	97.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.1	100.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.3	101.3
500 ng/mL	7	<input type="checkbox"/>	500	345.4	69.1
1000 ng/mL	8	<input type="checkbox"/>	1000	770.5	77.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2997.8	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



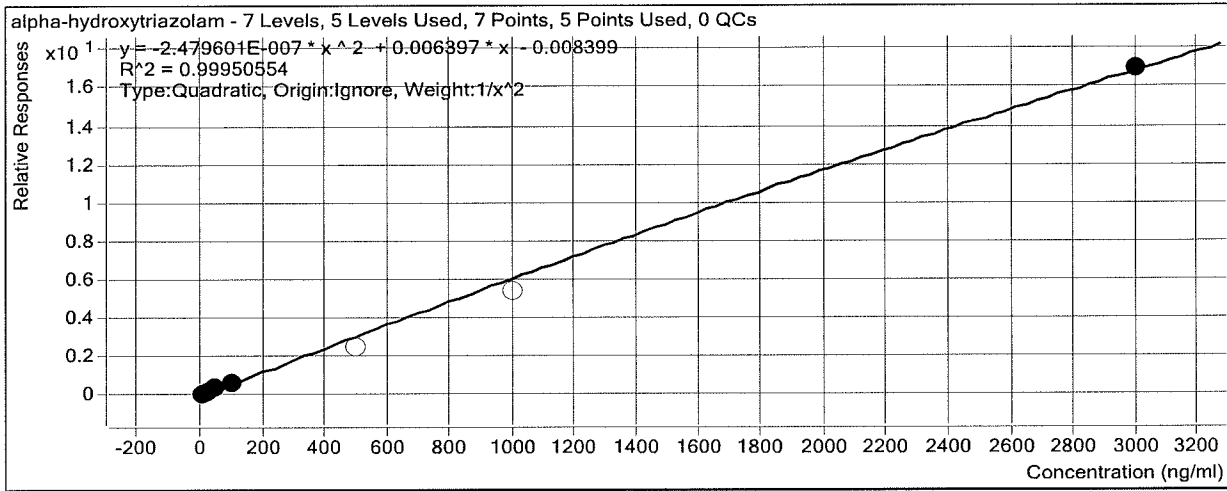
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	102.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	96.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	42.3	84.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	116.2	116.2
500 ng/mL	7	<input type="checkbox"/>	500	385.8	77.2
1000 ng/mL	8	<input type="checkbox"/>	1000	818.8	81.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2987.4	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



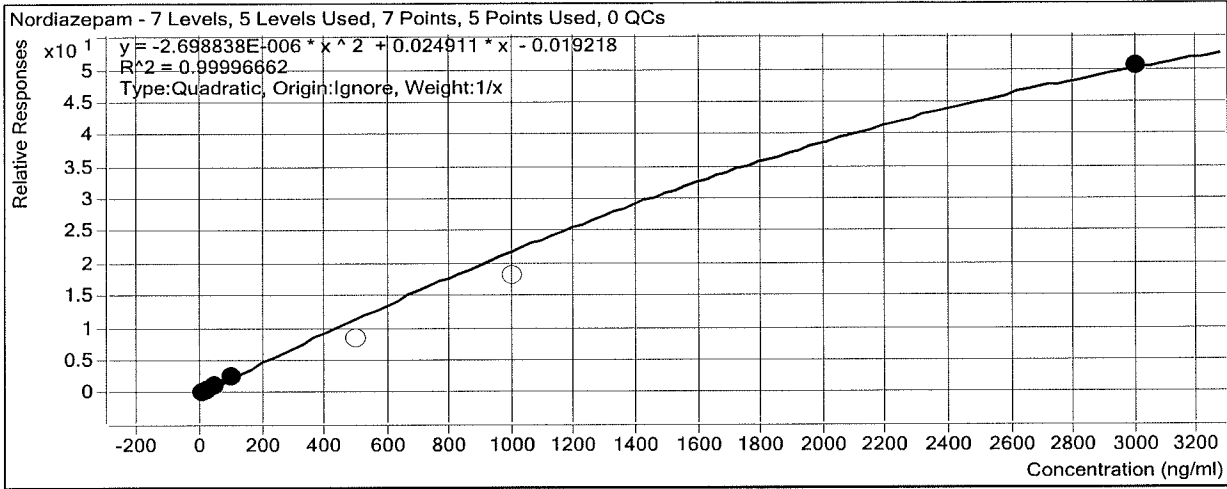
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.3	97.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.1	100.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.7	101.7
500 ng/mL	7	<input type="checkbox"/>	500	387.6	77.5
1000 ng/mL	8	<input type="checkbox"/>	1000	873.7	87.4
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2998.4	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 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	10.2	102.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.7	101.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.0	100.0
500 ng/mL	7	<input type="checkbox"/>	500	352.0	70.4
1000 ng/mL	8	<input type="checkbox"/>	1000	796.5	79.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.0	100.0

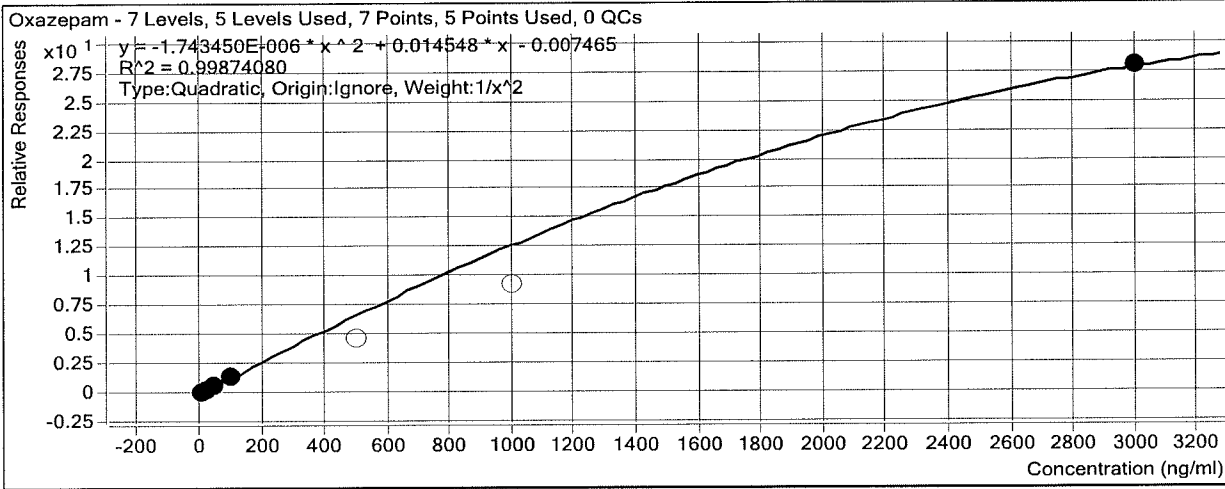
Handwritten signature

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam D5 ISTD



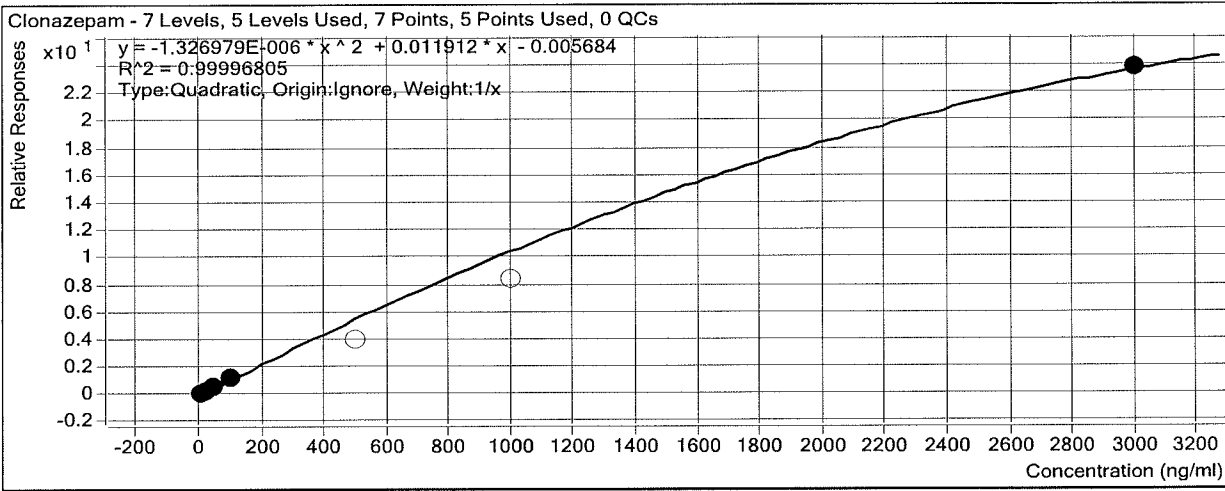
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.1
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.3	97.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.1	98.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.6	103.6
500 ng/mL	7	<input type="checkbox"/>	500	331.1	66.2
1000 ng/mL	8	<input type="checkbox"/>	1000	702.3	70.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2992.7	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

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



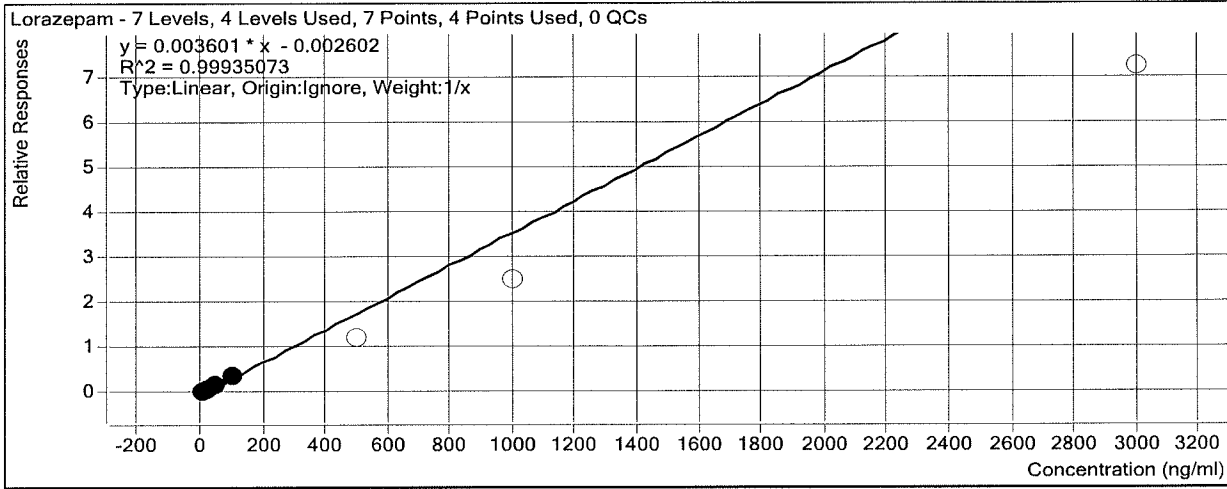
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	101.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	96.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.9	101.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.8	99.8
500 ng/mL	7	<input type="checkbox"/>	500	355.9	71.2
1000 ng/mL	8	<input type="checkbox"/>	1000	779.4	77.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.0	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Oxazepam D5 ISTD



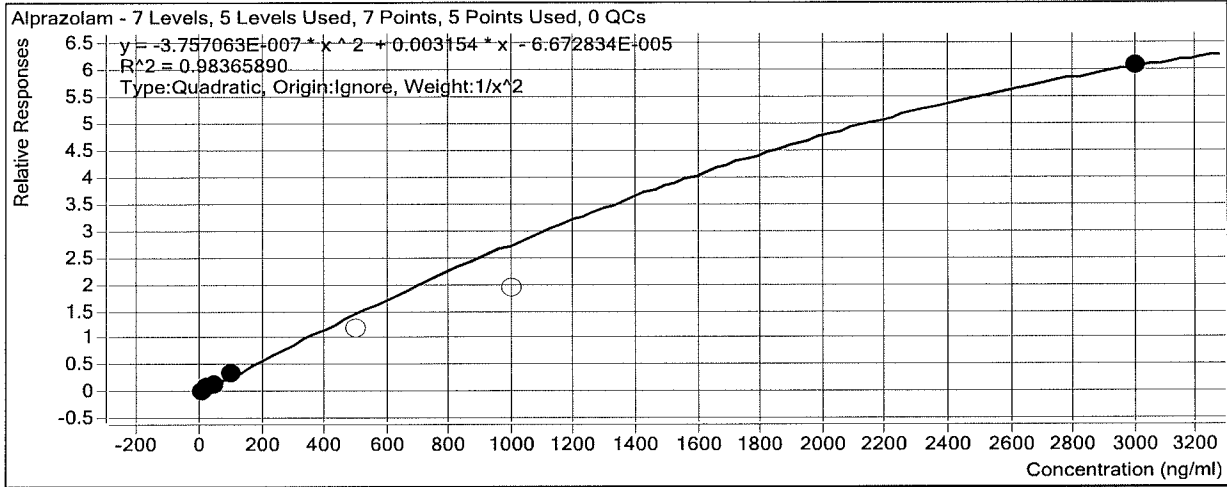
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	102.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.5	98.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	48.9	97.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.3	101.3
500 ng/mL	7	<input type="checkbox"/>	500	331.7	66.3
1000 ng/mL	8	<input type="checkbox"/>	1000	694.8	69.5
3000 ng/mL	9	<input type="checkbox"/>	3000	2012.5	67.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 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 checked="" type="checkbox"/>	10	10.1	101.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.2	100.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	43.1	86.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	112.1	112.1
500 ng/mL	7	<input type="checkbox"/>	500	399.3	79.9
1000 ng/mL	8	<input type="checkbox"/>	1000	663.9	66.4
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2981.7	99.4

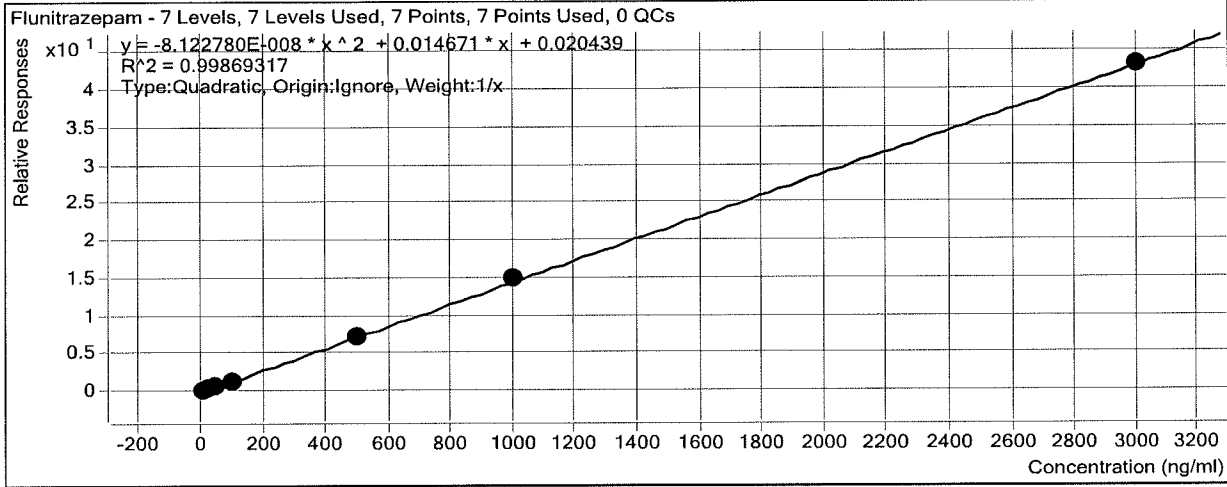
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 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	11.5	115.1
25 ng/mL	4	<input checked="" type="checkbox"/>	25	27.3	109.3
50 ng/mL	5	<input checked="" type="checkbox"/>	50	46.6	93.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	80.2	80.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	497.4	99.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1031.7	103.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2990.4	99.7

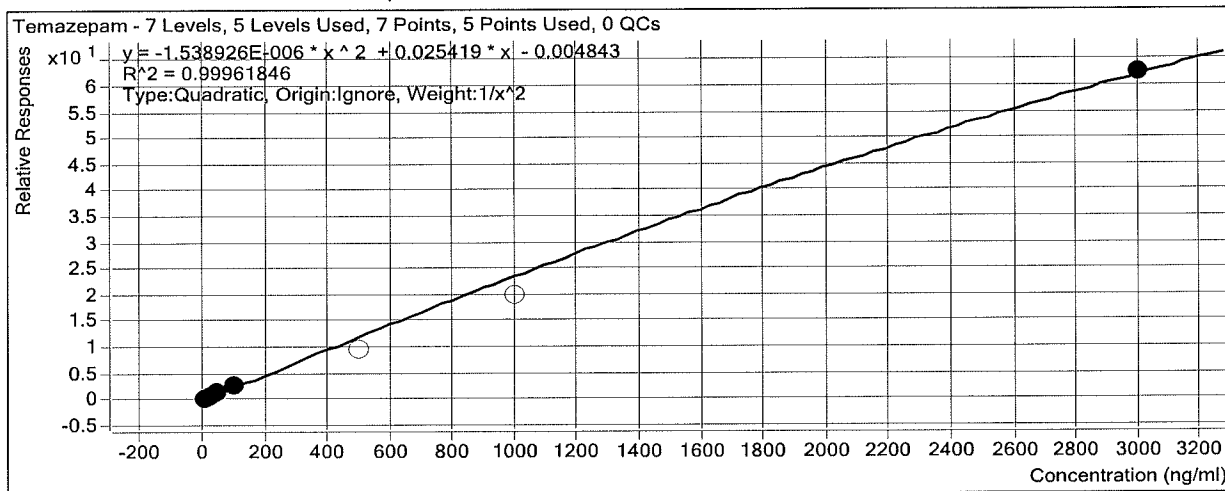
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 PM

Analyst Name ISP TOX

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



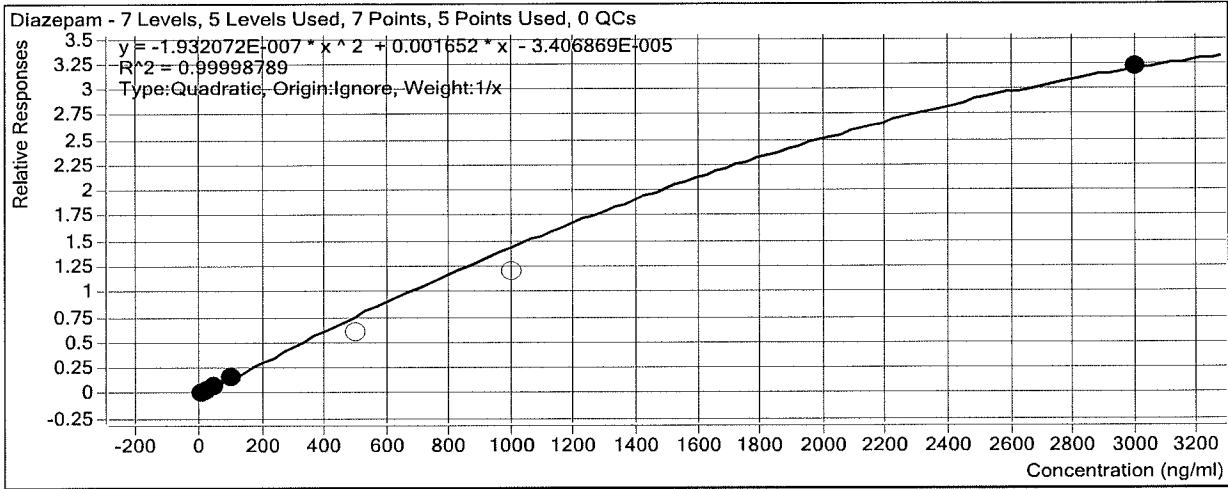
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	100.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.9	99.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.0	98.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	102.1	102.1
500 ng/mL	7	<input type="checkbox"/>	500	378.7	75.7
1000 ng/mL	8	<input type="checkbox"/>	1000	822.5	82.3
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2998.4	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin

Last Calib Update 5/10/2017 10:05 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 checked="" type="checkbox"/>	10	10.1	100.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.6	98.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.7	101.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.6	99.6
500 ng/mL	7	<input type="checkbox"/>	500	381.3	76.3
1000 ng/mL	8	<input type="checkbox"/>	1000	801.4	80.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.0	100.0

ISP FORENSICS - Cd'A Instrument # 62340

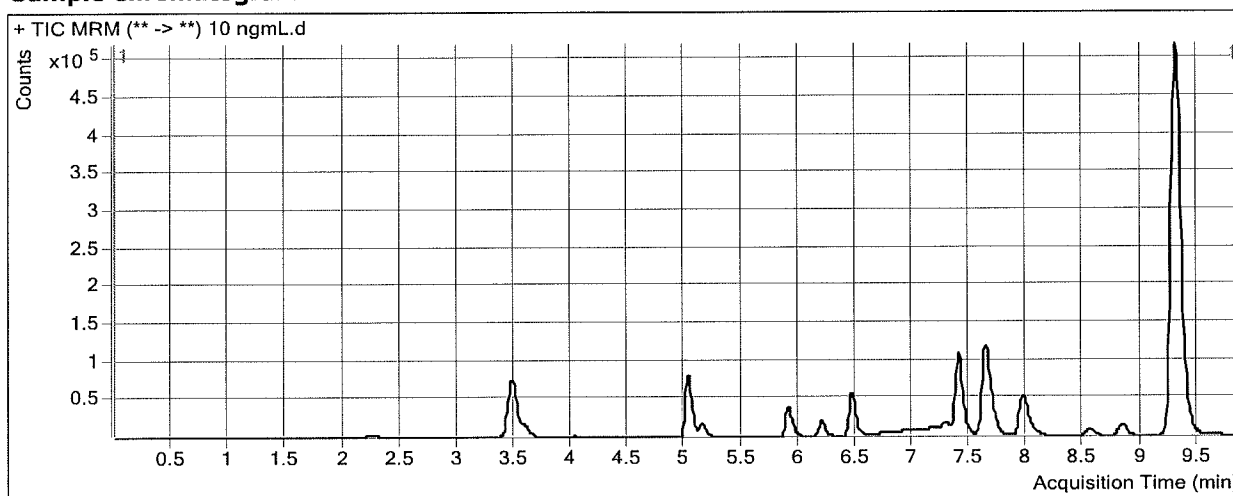
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:07 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 13:37 **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 5/10/17- 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	2.250	18453	352607	0.0523	9.8722
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.603	46328	352607	0.1314	9.5979
zopiclone	Oxazepam D5 ISTD	4.023	4517	255085	0.0177	9.1393
zolpidem	Oxazepam D5 ISTD	5.020	246089	255085	0.9647	9.9280
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.147	58441	98406	0.5939	9.5709
quetiapine	Oxazepam D5 ISTD	5.906	89622	255085	0.3513	9.3868
Midazolam	Clonazepam-D4 ISTD	6.192	64034	196137	0.3265	9.9345
Flurazepam	Diazepam-D5 ISTD	6.454	190312	1607766	0.1184	9.6471
Nitrazepam	Clonazepam-D4 ISTD	7.275	26758	196137	0.1364	10.0722
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.439	2083	284706	0.0073	10.2727
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.488	5523	98406	0.0561	10.0909
Nordiazepam	Nordiazepam-D5 ISTD	7.714	23140	98406	0.2352	10.2226
Oxazepam	Oxazepam D5 ISTD	7.679	35586	255085	0.1395	10.1145
Clonazepam	Clonazepam-D4 ISTD	7.995	22622	196137	0.1153	10.1710
Lorazepam	Oxazepam D5 ISTD	8.034	8782	255085	0.0344	10.2826
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.080	9059	284706	0.0318	10.1202
Flunitrazepam	Clonazepam-D4 ISTD	8.538	37124	196137	0.1893	11.5087
Temazepam	Oxazepam D5 ISTD	8.823	63804	255085	0.2501	10.0367
Diazepam	Diazepam-D5 ISTD	9.410	26608	1607766	0.0165	10.0517

ISP FORENSICS - Cd'A Instrument # 62340

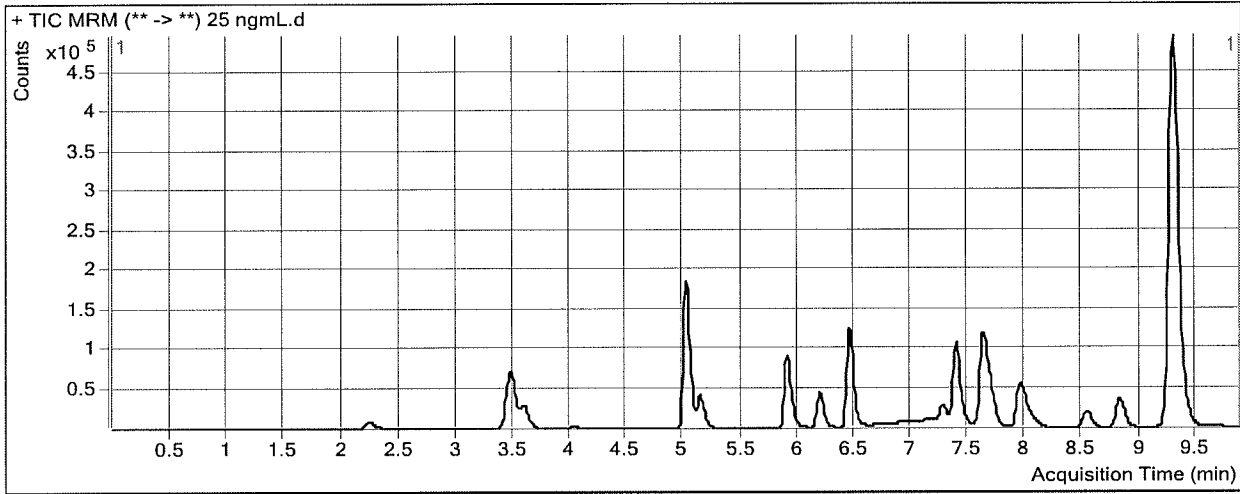
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:07 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 13:52 **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 5/10/17- 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	2.242	41964	336700	0.1246	25.0891
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.595	103736	336700	0.3081	25.5601
zopiclone	Oxazepam D5 ISTD	4.023	8728	246044	0.0355	29.1296
zolpidem	Oxazepam D5 ISTD	5.020	560969	246044	2.2800	25.6947
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.147	133973	92220	1.4527	25.8082
quetiapine	Oxazepam D5 ISTD	5.906	218339	246044	0.8874	26.7353
Midazolam	Clonazepam-D4 ISTD	6.192	144809	190411	0.7605	25.2949
Flurazepam	Diazepam-D5 ISTD	6.446	434967	1543825	0.2817	25.5295
Nitrazepam	Clonazepam-D4 ISTD	7.267	64391	190411	0.3382	24.4309
alpha-Hydroxyalprazolam	alphanhydroxyalprazolam-D5 ISTD	7.422	4623	281287	0.0164	24.2037
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.471	13544	92220	0.1469	24.2944
Nordiazepam	Nordiazepam-D5 ISTD	7.706	53430	92220	0.5794	24.0925
Oxazepam	Oxazepam D5 ISTD	7.679	84812	246044	0.3447	24.2777
Clonazepam	Clonazepam-D4 ISTD	7.987	53647	190411	0.2817	24.1940
Lorazepam	Oxazepam D5 ISTD	8.027	21090	246044	0.0857	24.5240
Alprazolam	alphanhydroxyalprazolam-D5 ISTD	8.071	22304	281287	0.0793	25.2335
Flunitrazepam	Clonazepam-D4 ISTD	8.521	80199	190411	0.4212	27.3194
Temazepam	Oxazepam D5 ISTD	8.807	154217	246044	0.6268	24.8861
Diazepam	Diazepam-D5 ISTD	9.394	62555	1543825	0.0405	24.6221

ISP FORENSICS - Cd'A Instrument # 62340

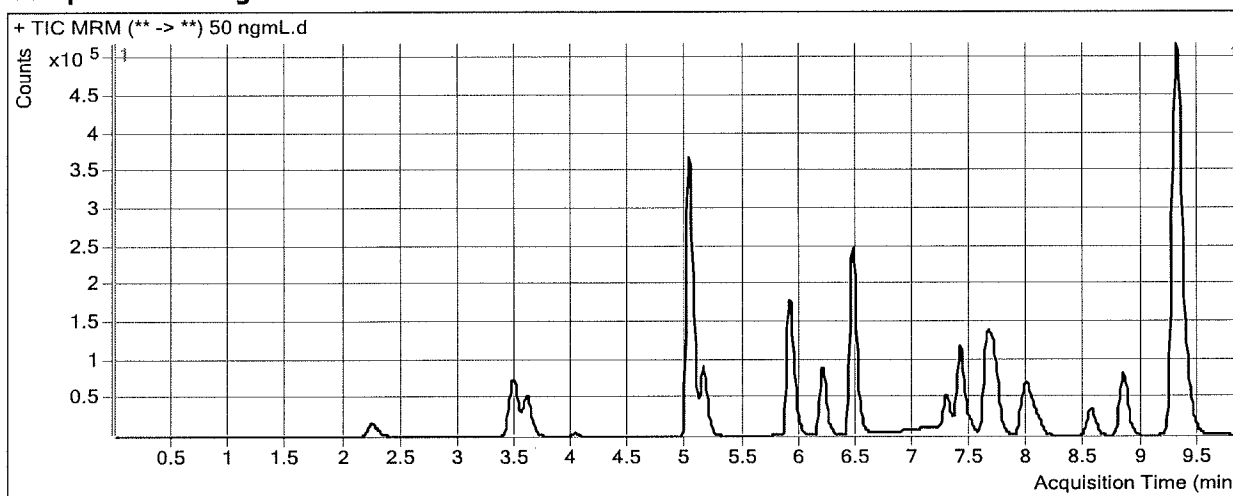
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:07 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 14:07 **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 5/10/17- 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	2.250	86694	351779	0.2464	50.9107
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.603	210623	351779	0.5987	52.0114
zopiclone	Oxazepam D5 ISTD	4.023	13561	271765	0.0499	45.3567
zolpidem	Oxazepam D5 ISTD	5.020	1146711	271765	4.2195	49.0897
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.147	289985	96137	3.0164	55.4283
quetiapine	Oxazepam D5 ISTD	5.906	439153	271765	1.6159	50.3128
Midazolam	Clonazepam-D4 ISTD	6.192	297816	200015	1.4890	51.2254
Flurazepam	Diazepam-D5 ISTD	6.454	881463	1606796	0.5486	51.6463
Nitrazepam	Clonazepam-D4 ISTD	7.284	139617	200015	0.6980	50.1434
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.439	11307	399795	0.0283	42.3373
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.488	29955	96137	0.3116	50.1197
Nordiazepam	Nordiazepam-D5 ISTD	7.714	118933	96137	1.2371	50.7125
Oxazepam	Oxazepam D5 ISTD	7.687	191047	271765	0.7030	49.1234
Clonazepam	Clonazepam-D4 ISTD	7.995	119399	200015	0.5970	50.8782
Lorazepam	Oxazepam D5 ISTD	8.043	47137	271765	0.1734	48.8848
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.080	53989	399795	0.1350	43.0511
Flunitrazepam	Clonazepam-D4 ISTD	8.538	140681	200015	0.7033	46.5594
Temazepam	Oxazepam D5 ISTD	8.823	336227	271765	1.2372	49.0078
Diazepam	Diazepam-D5 ISTD	9.410	133642	1606796	0.0832	50.6744

ISP FORENSICS - Cd'A Instrument # 62340

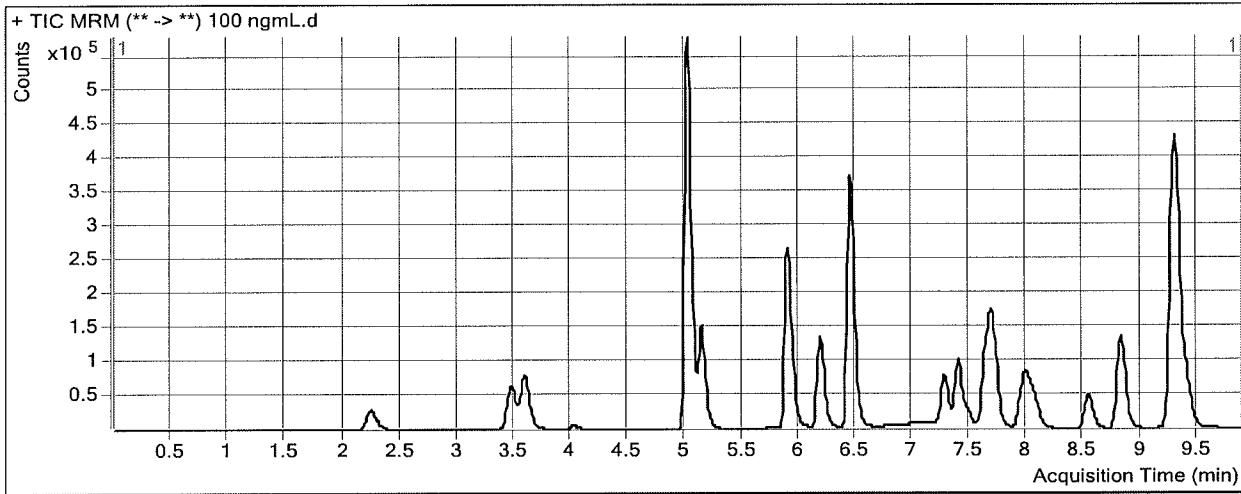
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:07 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 14:21 **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 5/10/17- 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	2.250	140013	297376	0.4708	99.0995
7-Aminoflunitrazepam	ISTD	3.595	325612	297376	1.0950	97.7564
zopiclone	Oxazepam D5 ISTD	4.015	21638	216905	0.0998	101.3738
zolpidem	Oxazepam D5 ISTD	5.012	1815137	216905	8.3684	99.7267
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.138	484308	80139	6.0434	112.9887
quetiapine	Oxazepam D5 ISTD	5.897	673900	216905	3.1069	98.5651
Midazolam	Clonazepam-D4 ISTD	6.184	455924	165195	2.7599	96.9297
Flurazepam	Diazepam-D5 ISTD	6.446	1364136	1340288	1.0178	98.1167
Nitrazepam	Clonazepam-D4 ISTD	7.275	232745	165195	1.4089	101.3181
alpha-Hydroxyalprazolam	ISTD	7.431	19723	258751	0.0762	116.1699
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.480	51269	80139	0.6398	101.7244
Nordiazepam	Nordiazepam-D5 ISTD	7.714	195888	80139	2.4444	99.9797
Oxazepam	Oxazepam D5 ISTD	7.679	321298	216905	1.4813	103.6191
Clonazepam	Clonazepam-D4 ISTD	7.987	193186	165195	1.1694	99.7576
Lorazepam	Oxazepam D5 ISTD	8.034	78573	216905	0.3622	101.3086
Alprazolam	ISTD	8.071	90259	258751	0.3488	112.0979
Flunitrazepam	Clonazepam-D4 ISTD	8.521	197663	165195	1.1965	80.1990
Temazepam	Oxazepam D5 ISTD	8.815	558512	216905	2.5749	102.1202
Diazepam	Diazepam-D5 ISTD	9.394	217987	1340288	0.1626	99.6461

ISP FORENSICS - Cd'A Instrument # 62340

Benzodiazepine Analysis Report

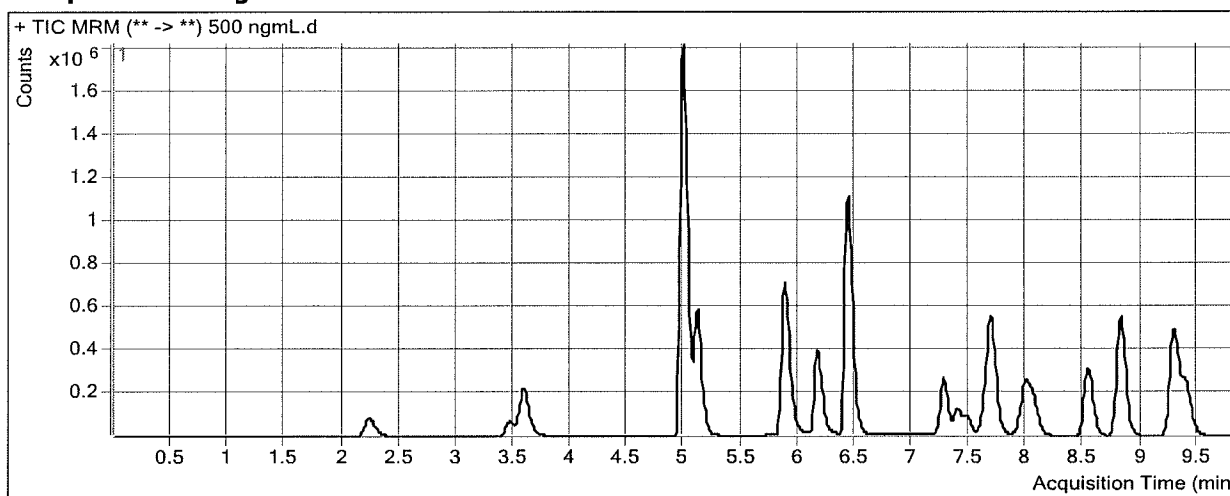
Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 14:36 **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 5/10/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram

calibrator removed from curves for compounds



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.242	424113	325856	1.3015	285.2217
7-Aminoflunitrazepam	ISTD	3.587	1038529	325856	3.1871	299.5863
zolpidem	Oxazepam D5 ISTD	4.987	6356712	244398	26.0096	324.9842
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.115	1922216	91375	21.0367	402.5010
quetiapine	Oxazepam D5 ISTD	5.881	2093323	244398	8.5652	275.2136
Midazolam	Clonazepam-D4 ISTD	6.167	1433468	179640	7.9797	291.3081
Flurazepam	Diazepam-D5 ISTD	6.429	4545310	1523858	2.9828	301.0199
Nitrazepam	Clonazepam-D4 ISTD	7.267	844540	179640	4.7013	345.3820
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.422	72867	294481	0.2474	385.7840
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.471	222367	91375	2.4336	387.5644
Nordiazepam	Nordiazepam-D5 ISTD	7.706	768881	91375	8.4146	351.9865
Oxazepam	Oxazepam D5 ISTD	7.670	1128697	244398	4.6183	331.0972
Clonazepam	Clonazepam-D4 ISTD	7.979	730297	179640	4.0653	355.8599
Lorazepam	Oxazepam D5 ISTD	8.027	291292	244398	1.1919	331.6745
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.063	353228	294481	1.1995	399.2559
Flunitrazepam	Clonazepam-D4 ISTD	8.521	1310898	179640	7.2974	497.3683
Temazepam	Oxazepam D5 ISTD	8.807	2297760	244398	9.4017	378.7419
Diazepam	Diazepam-D5 ISTD	9.394	916869	1523858	0.6017	381.2831

ISP FORENSICS - Cd'A Instrument # 62340

Benzodiazepine Analysis Report

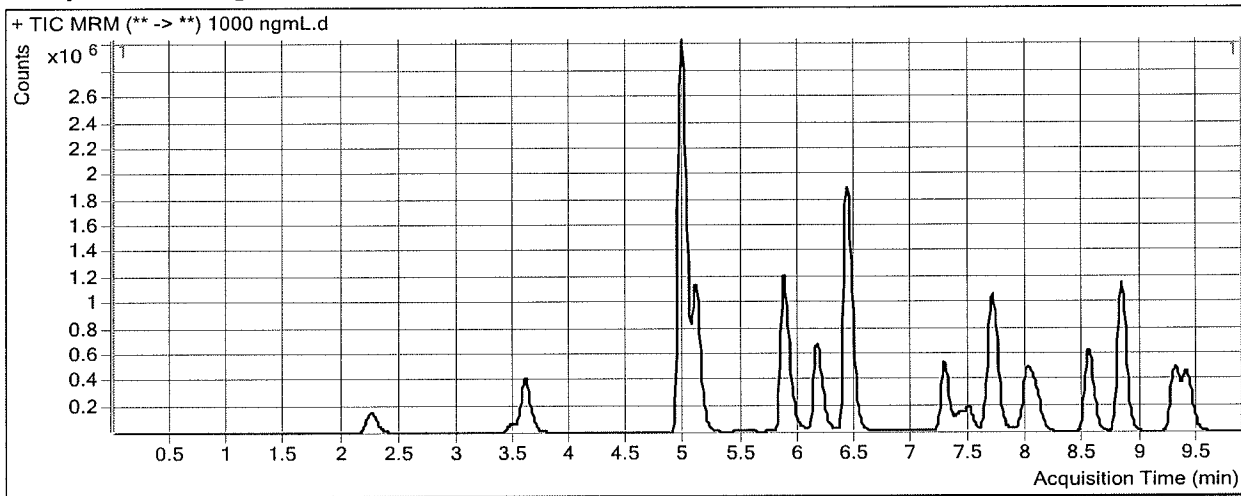
Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 14:51 **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 5/10/17- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram

calibrator removed from curves for compounds



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.250	841075	328882	2.5574	594.9678
7-Aminoflunitrazepam	ISTD	3.603	1990450	328882	6.0522	605.0675
zolpidem	Oxazepam D5 ISTD	4.970	12153780	245887	49.4283	654.6339
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.098	3996419	87472	45.6882	895.6906
quetiapine	Oxazepam D5 ISTD	5.872	3823337	245887	15.5491	501.2356
Midazolam	Clonazepam-D4 ISTD	6.159	2768319	175099	15.8101	606.6974
Flurazepam	Diazepam-D5 ISTD	6.421	8684213	1541206	5.6347	600.5786
Nitrazepam	Clonazepam-D4 ISTD	7.275	1759608	175099	10.0492	770.4905
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.431	198624	389632	0.5098	818.8460
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.488	471607	87472	5.3915	873.7378
Nordiazepam	Nordiazepam-D5 ISTD	7.714	1584108	87472	18.1100	796.5029
Oxazepam	Oxazepam D5 ISTD	7.679	2298991	245887	9.3498	702.2971
Clonazepam	Clonazepam-D4 ISTD	7.987	1483555	175099	8.4727	779.4105
Lorazepam	Oxazepam D5 ISTD	8.034	614637	245887	2.4997	694.8146
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.080	751450	389632	1.9286	663.9041
Flunitrazepam	Clonazepam-D4 ISTD	8.529	2638739	175099	15.0700	1031.6782
Temazepam	Oxazepam D5 ISTD	8.815	4883873	245887	19.8622	822.5403
Diazepam	Diazepam-D5 ISTD	9.402	1848833	1541206	1.1996	801.3853

ISP FORENSICS - Cd'A Instrument # 62340

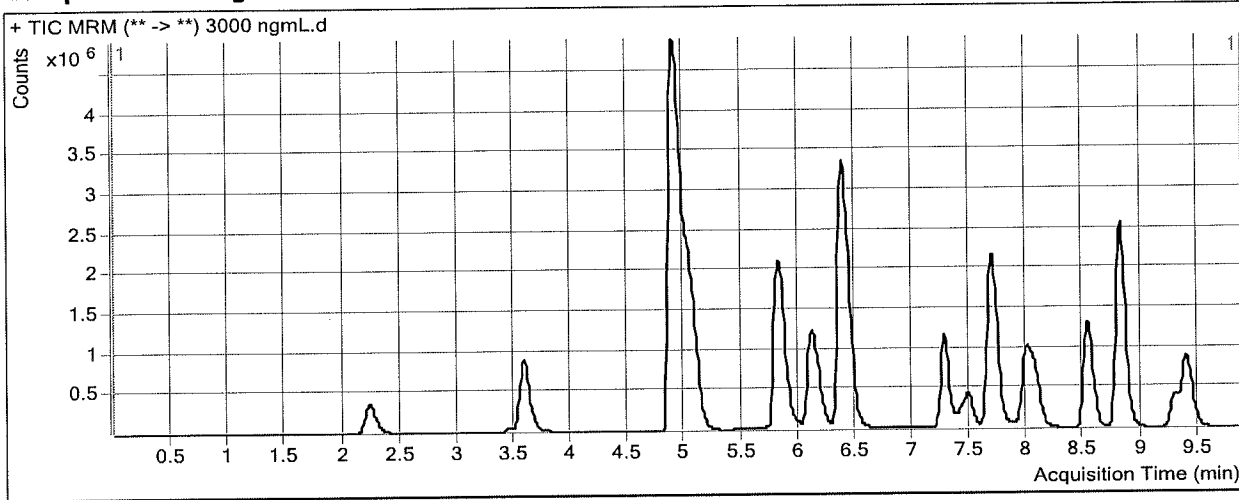
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\5-10-17 urine benz\QuantResults\5-10-17 urine benz.batch.bin
Analysis Time 5/10/2017 10:05 PM **Analyst Name** ISP Tox
Report Time 5/10/2017 10:08 PM **Reporter Name** ISP Tox
Last Calib Update 5/10/2017 10:05 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-10 15:06 **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 5/10/17- 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	2.242	1899647	274287	6.9258	2798.5363
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.587	4370489	274287	15.9340	2726.8753
zolpidem	Oxazepam D5 ISTD	4.895	23643696	176663	133.8352	3008.9349
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.039	9694947	65812	147.3137	3234.2817
quetiapine	Oxazepam D5 ISTD	5.821	8309076	176663	47.0336	1520.1706
Midazolam	Clonazepam-D4 ISTD	6.117	6535734	132010	49.5095	3009.7565
Flurazepam	Diazepam-D5 ISTD	6.371	19527018	1208394	16.1595	3000.7640
Nitrazepam	Clonazepam-D4 ISTD	7.267	3965343	132010	30.0382	2997.7702
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.422	474045	298483	1.5882	2987.3951
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.480	1115043	65812	16.9430	2998.4147
Nordiazepam	Nordiazepam-D5 ISTD	7.706	3318414	65812	50.4229	2999.9877
Oxazepam	Oxazepam D5 ISTD	7.670	4931725	176663	27.9160	2992.6879
Clonazepam	Clonazepam-D4 ISTD	7.979	3140257	132010	23.7881	2999.9986
Lorazepam	Oxazepam D5 ISTD	8.027	1279951	176663	7.2452	2012.5149
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.071	1810427	298483	6.0654	2981.6658
Flunitrazepam	Clonazepam-D4 ISTD	8.521	5698413	132010	43.1666	2990.3685
Temazepam	Oxazepam D5 ISTD	8.807	11019529	176663	62.3761	2998.3809
Diazepam	Diazepam-D5 ISTD	9.394	3886756	1208394	3.2165	3000.0113