

reviewed 4/27/17

4/27/2017

BWylee

¹⁶⁹⁷
Worklist: ~~1699~~ listed as 1697

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2017-0663	1	83288	AM 13 Urine LCMS-QQQ Benz
C2017-0699	1	83289	AM 13 Urine LCMS-QQQ Benz
C2017-0753	1	83290	AM 13 Urine LCMS-QQQ Benz
M2017-1327	1	83291	AM 13 Urine LCMS-QQQ Benz
M2017-1681	3	83293	AM 13 Urine LCMS-QQQ Benz
P2017-0248	5	83292	AM 13 Urine LCMS-QQQ Benz



ISP FORENSICS - Cd'A Instrument # 62340

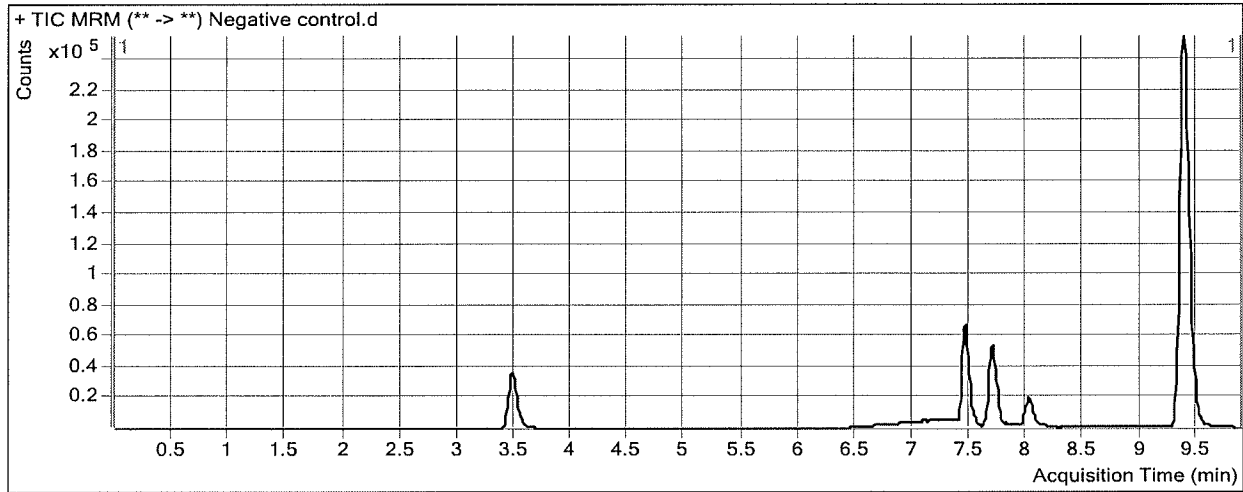
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 13:57 **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

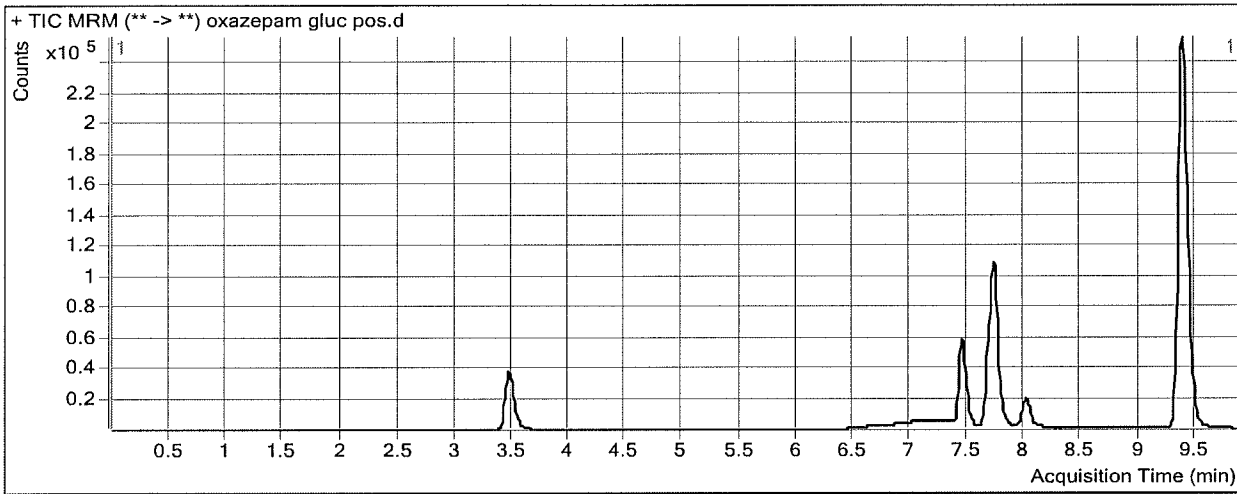
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 13:42 **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 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	7.729	254253	120462	2.1106	141.1427

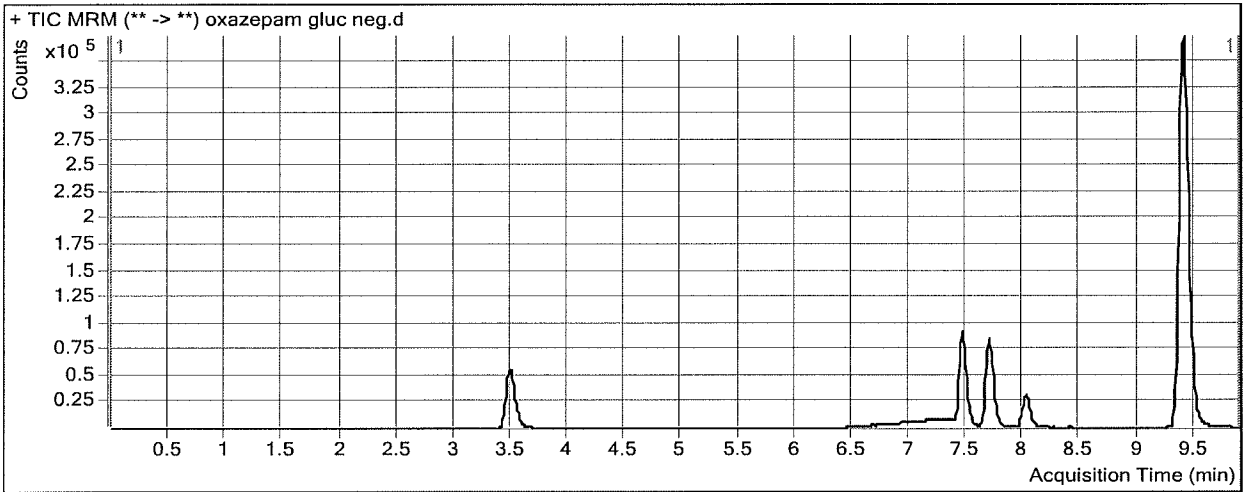
ISP FORENSICS - Cd'A Instrument # 62340
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 13:28 **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 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	7.746	2424	179860	0.0135	0.0000

ISP FORENSICS - Cd'A Instrument # 62340

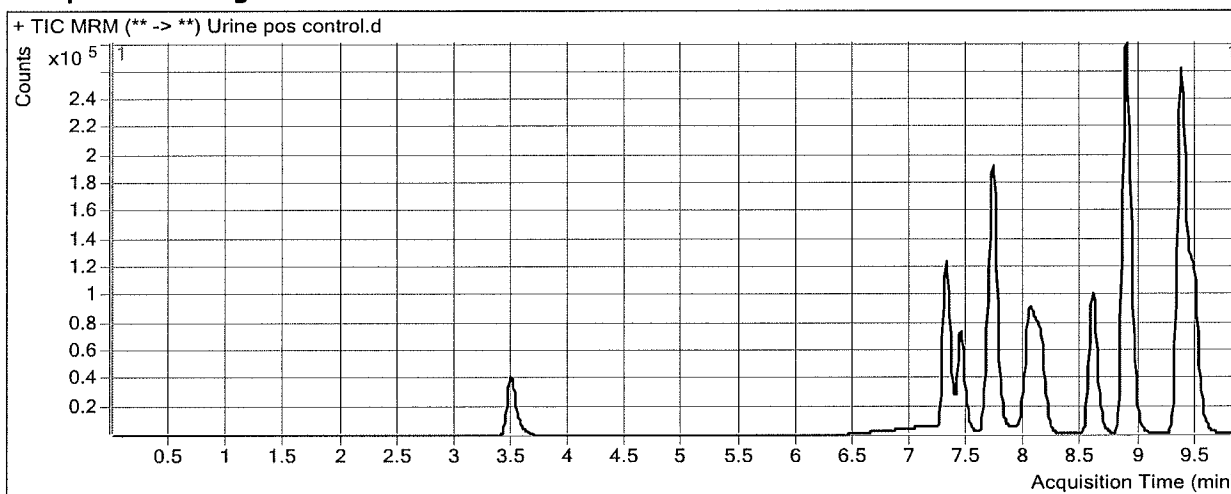
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 14:12 **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

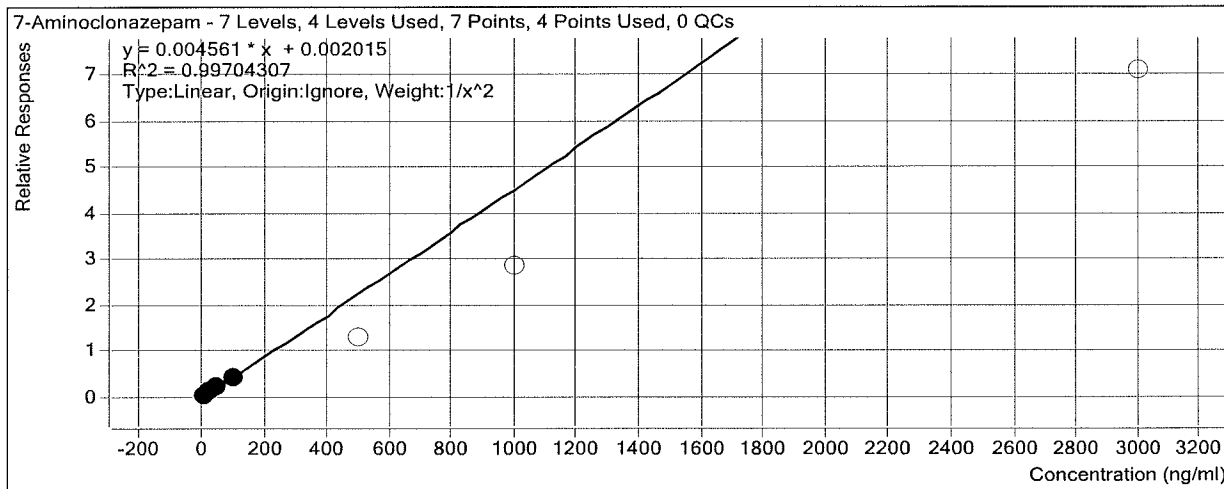
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.250	1954	182507	0.0107	1.9051
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.612	8965	182507	0.0491	0.0000
Nitrazepam	Clonazepam-D4 ISTD	7.309	390210	70148	5.5627	350.5638
Oxazepam	Oxazepam D5 ISTD	7.712	505680	123920	4.0807	278.8916
Clonazepam	Clonazepam-D4 ISTD	8.029	262367	70148	3.7402	329.9774
Lorazepam	Oxazepam D5 ISTD	8.076	126967	123920	1.0246	329.5397
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.130	190315	188048	1.0121	296.5255
Flunitrazepam	Clonazepam-D4 ISTD	8.580	390041	70148	5.5602	431.4678
Temazepam	Oxazepam D5 ISTD	8.874	1169633	123920	9.4386	397.6645
Diazepam	Diazepam-D5 ISTD	9.469	404211	786514	0.5139	312.0260

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



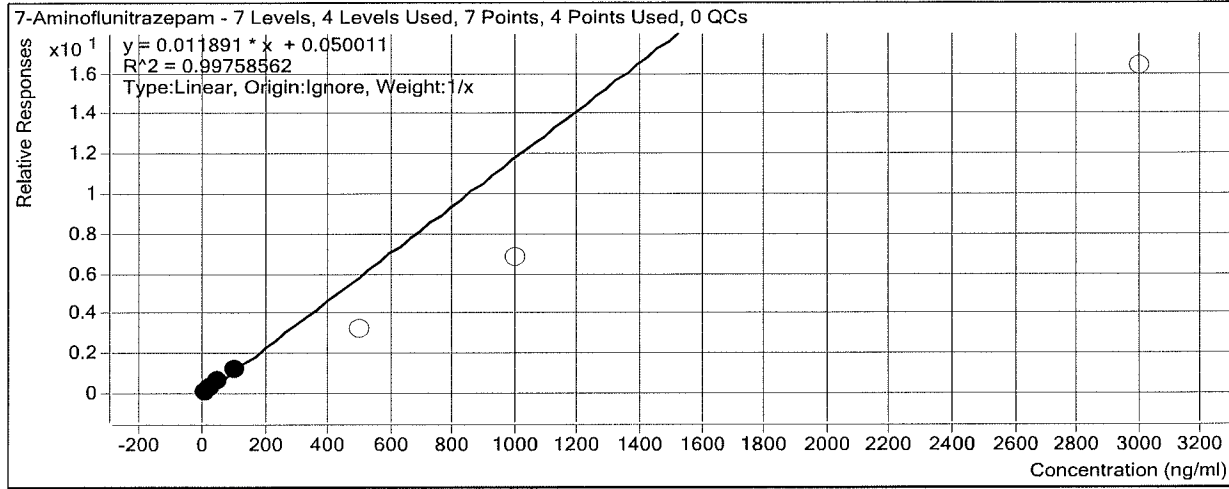
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.4	101.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.2	104.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	95.0	95.0
500 ng/mL	7	<input type="checkbox"/>	500	284.1	56.8
1000 ng/mL	8	<input type="checkbox"/>	1000	621.3	62.1
3000 ng/mL	9	<input type="checkbox"/>	3000	1551.8	51.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benzo\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **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	96.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.2	100.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.7	105.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	97.5	97.5
500 ng/mL	7	<input type="checkbox"/>	500	274.5	54.9
1000 ng/mL	8	<input type="checkbox"/>	1000	574.1	57.4
3000 ng/mL	9	<input type="checkbox"/>	3000	1371.3	45.7

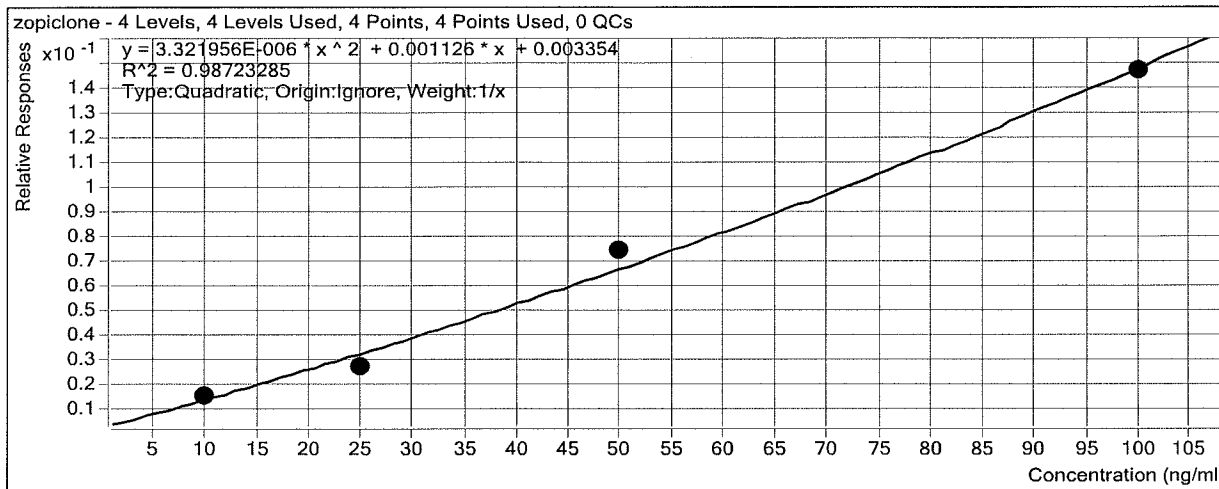
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benzo\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM

Analyst Name ISP TOX

Target Compound zopiclone
Internal Standard Oxazepam D5 ISTD



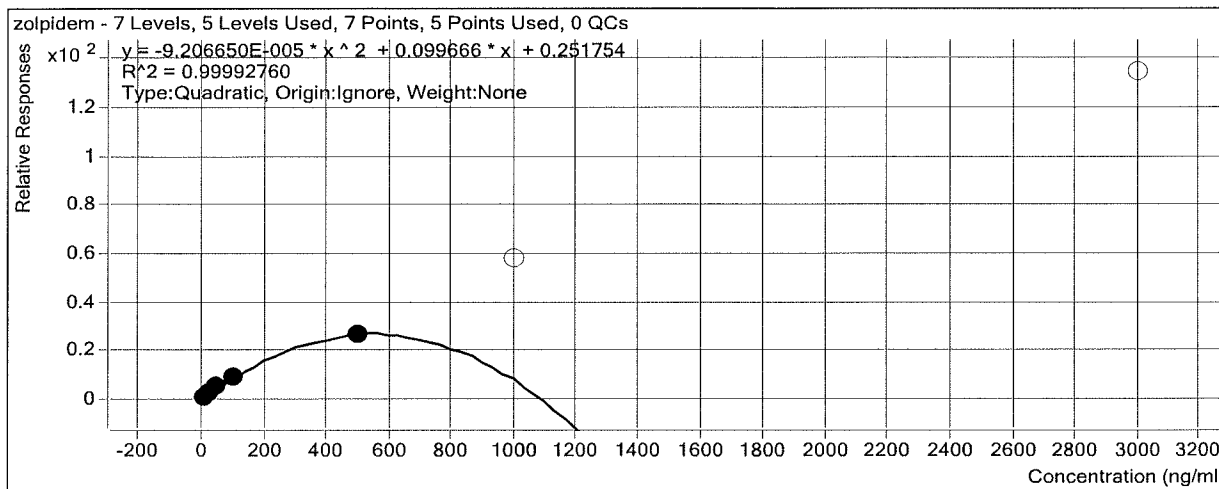
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.0	110.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	20.4	81.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	54.5	109.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.9	98.9
500 ng/mL	7	<input type="checkbox"/>	500	0.0	0.0
1000 ng/mL	8	<input type="checkbox"/>	1000	0.0	0.0
3000 ng/mL	9	<input type="checkbox"/>	3000	0.0	0.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benzo\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound zolpidem
Internal Standard Oxazepam D5 ISTD



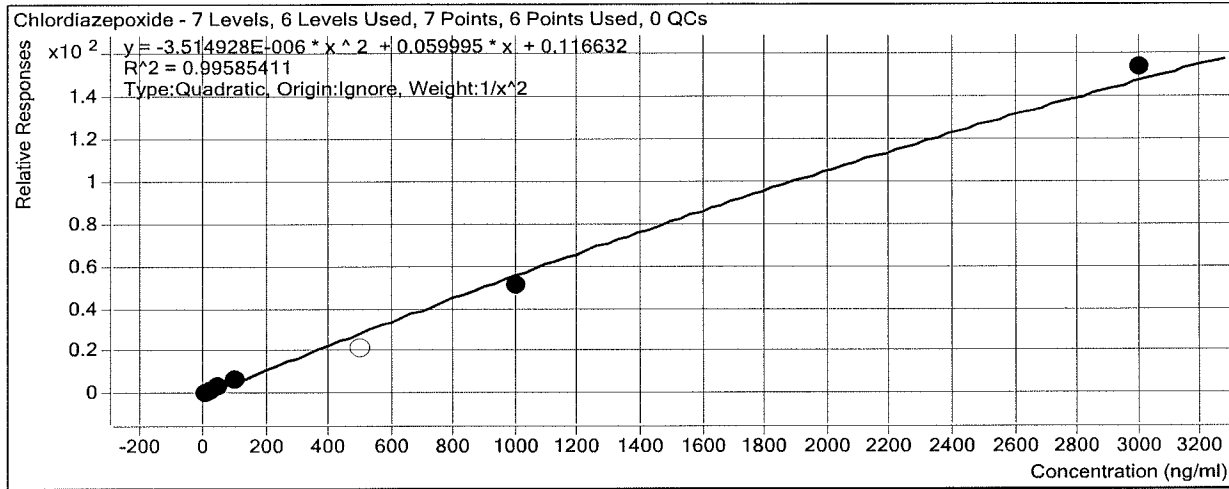
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.6	103.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.3	99.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	500.1	100.0
1000 ng/mL	8	<input type="checkbox"/>	1000	0.0	0.0
3000 ng/mL	9	<input type="checkbox"/>	3000	0.0	0.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benzo\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



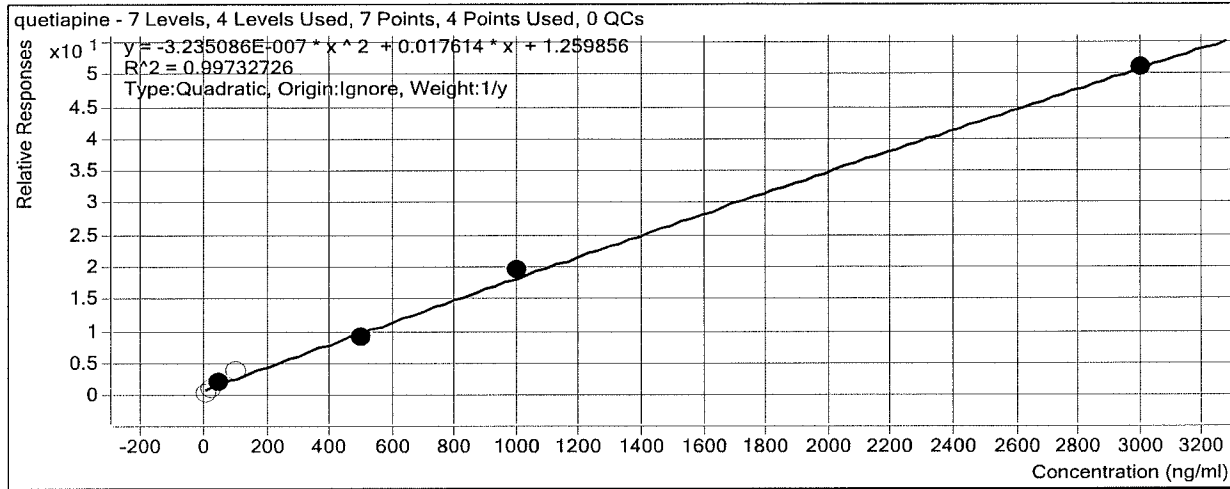
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	9.9	99.2
25 ngmL	4	<input checked="" type="checkbox"/>	25	24.7	98.6
50 ngmL	5	<input checked="" type="checkbox"/>	50	52.8	105.6
100 ngmL	6	<input checked="" type="checkbox"/>	100	102.8	102.8
500 ngmL	7	<input type="checkbox"/>	500	358.5	71.7
1000 ngmL	8	<input checked="" type="checkbox"/>	1000	898.7	89.9
3000 ngmL	9	<input checked="" type="checkbox"/>	3000	3132.6	104.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



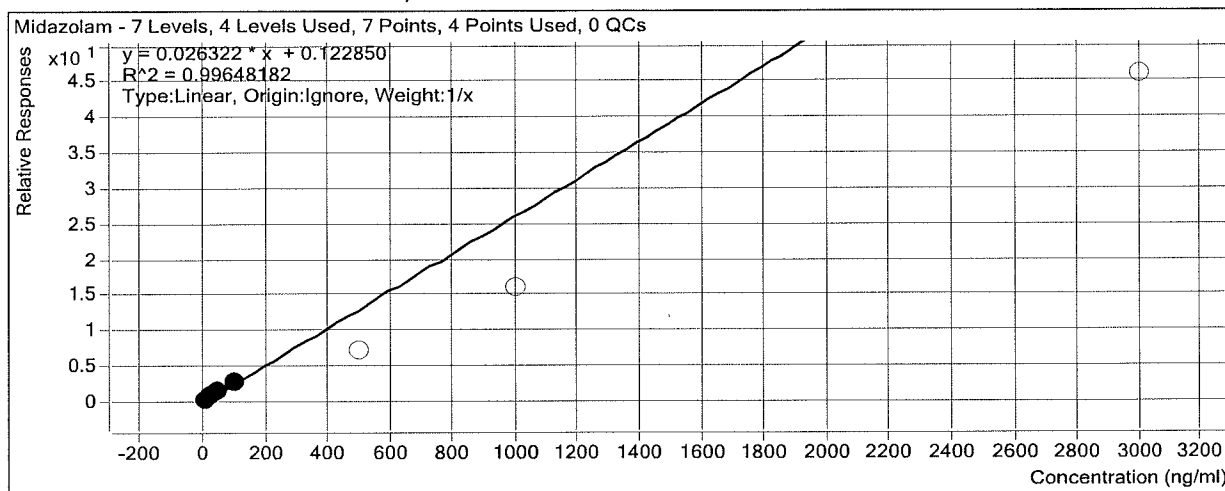
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	0.0	0.0
25 ng/mL	4	<input type="checkbox"/>	25	0.0	0.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.4	110.8
100 ng/mL	6	<input type="checkbox"/>	100	140.8	140.8
500 ng/mL	7	<input checked="" type="checkbox"/>	500	449.6	89.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1065.7	106.6
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2988.1	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



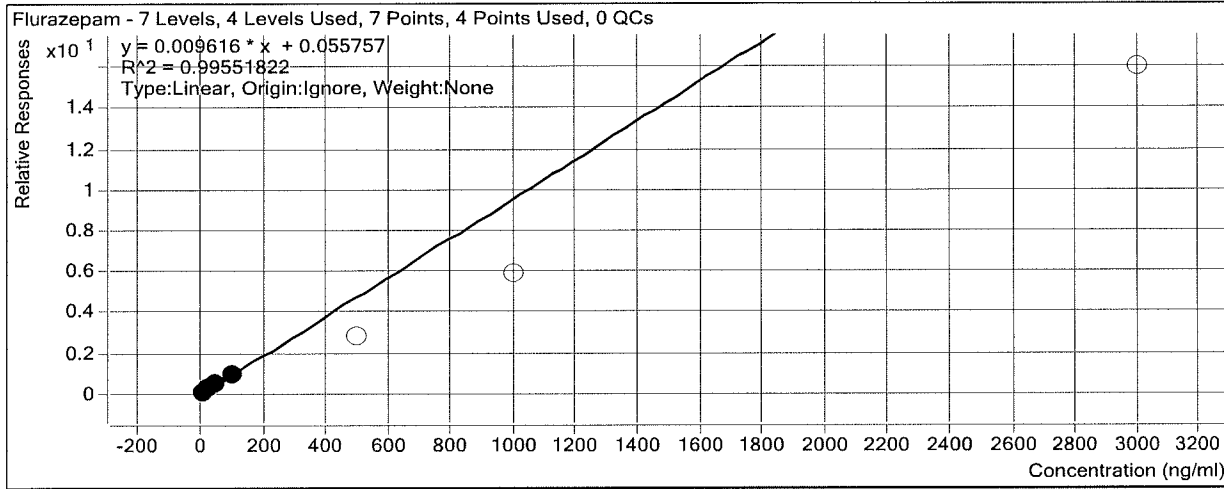
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.7	98.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.4	106.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	97.2	97.2
500 ng/mL	7	<input type="checkbox"/>	500	273.4	54.7
1000 ng/mL	8	<input type="checkbox"/>	1000	611.1	61.1
3000 ng/mL	9	<input type="checkbox"/>	3000	1741.3	58.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



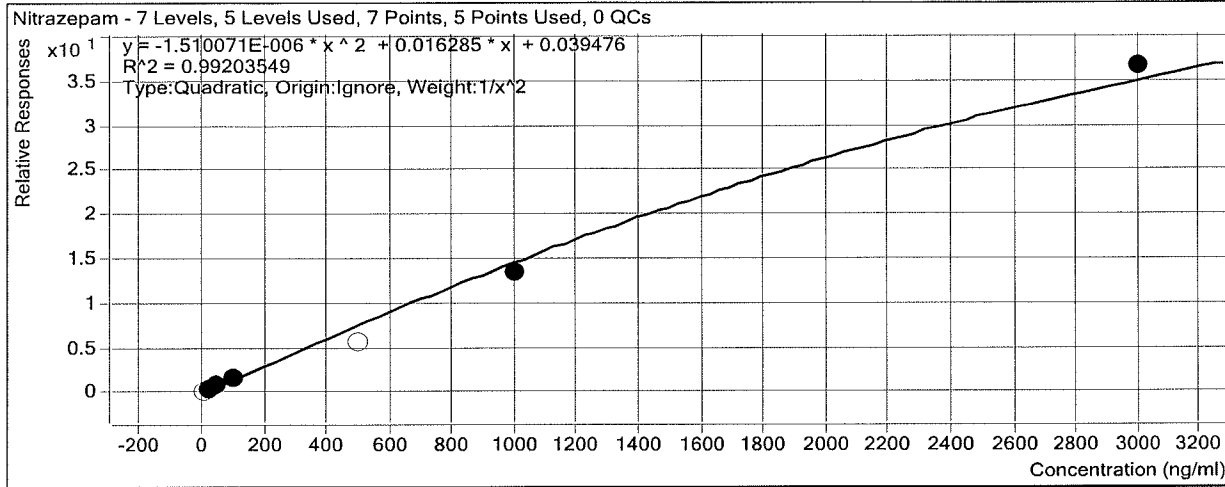
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.3	82.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.5	97.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.9	107.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.4	98.4
500 ng/mL	7	<input type="checkbox"/>	500	289.1	57.8
1000 ng/mL	8	<input type="checkbox"/>	1000	612.3	61.2
3000 ng/mL	9	<input type="checkbox"/>	3000	1655.4	55.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Nitrazepam
Internal Standard Clonazepam-D4 ISTD



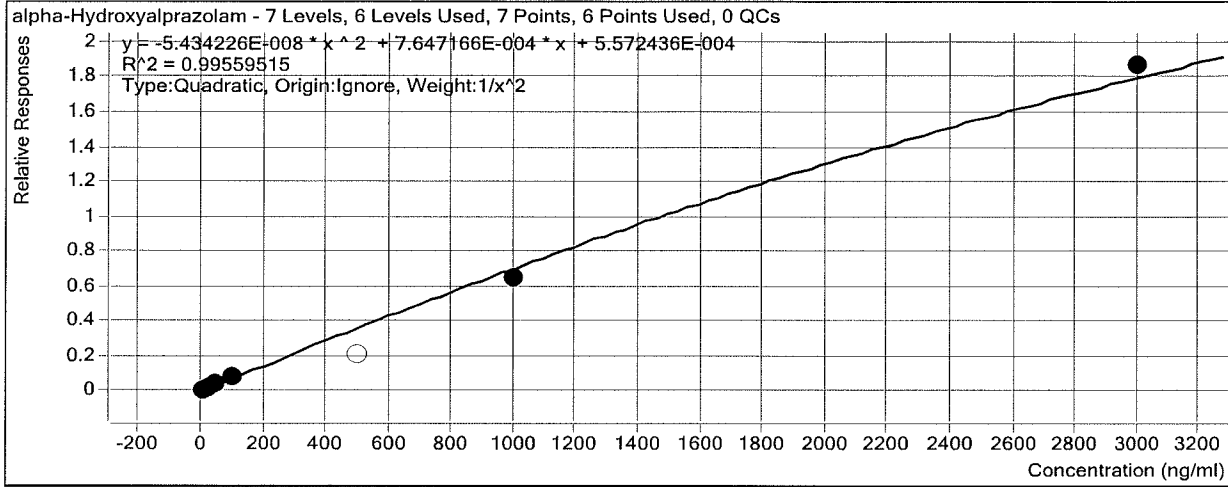
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	9.1	91.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.0	96.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.3	106.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.6	103.6
500 ng/mL	7	<input type="checkbox"/>	500	354.0	70.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	893.3	89.3
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3193.2	106.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



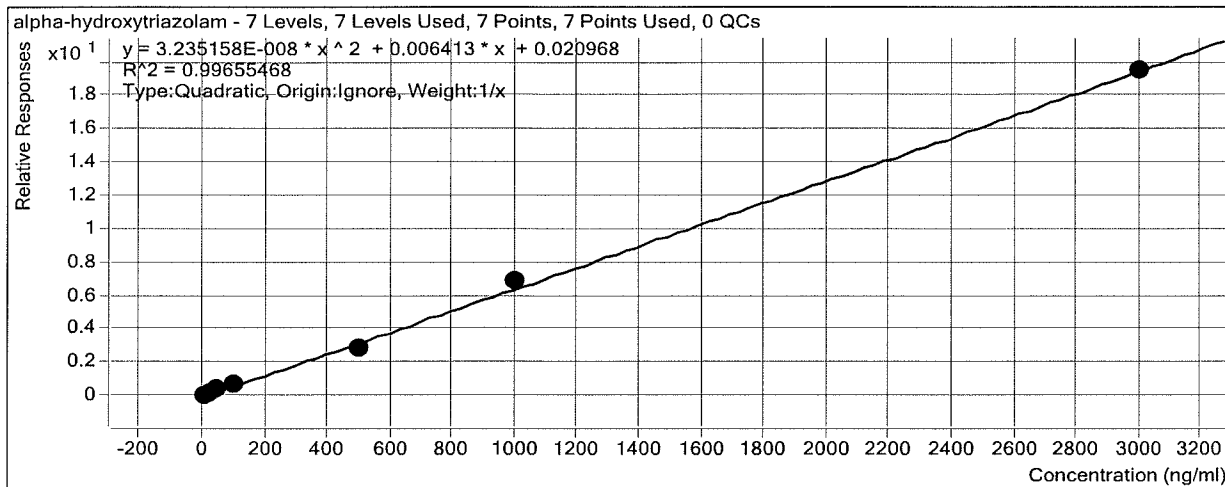
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.4	97.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.6	107.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.3	101.3
500 ng/mL	7	<input type="checkbox"/>	500	284.7	56.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	904.6	90.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3138.7	104.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benzo\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



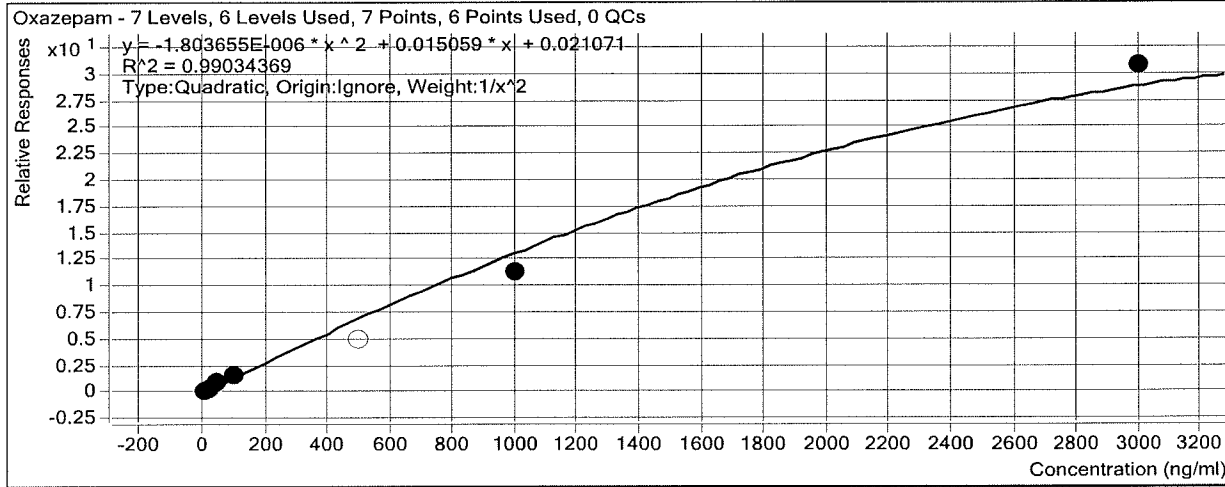
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.4	84.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.7	102.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.8	111.6
100 ng/mL	6	<input checked="" type="checkbox"/>	100	109.0	109.0
500 ng/mL	7	<input checked="" type="checkbox"/>	500	431.5	86.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1065.0	106.5
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2989.5	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam D5 ISTD



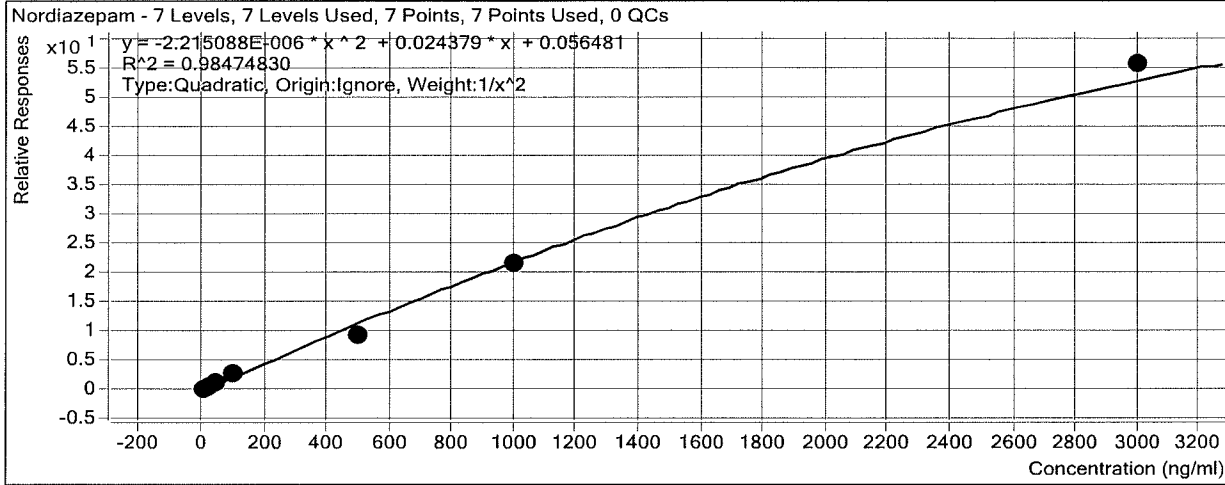
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	96.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	54.0	107.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	104.8	104.8
500 ng/mL	7	<input type="checkbox"/>	500	340.9	68.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	838.9	83.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3545.9	118.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5 ISTD



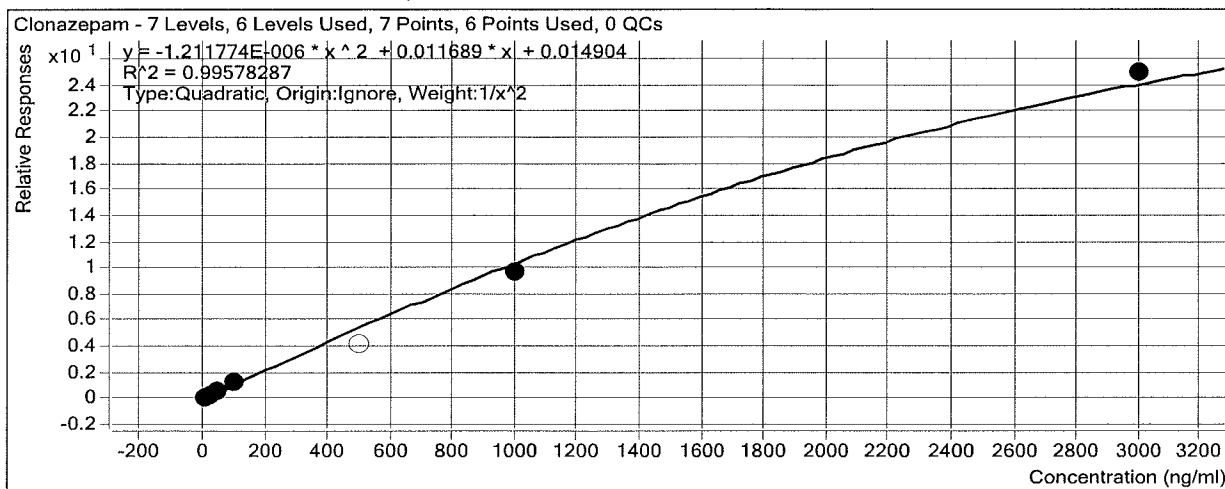
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.8	99.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	56.5	113.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	108.1	108.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	401.1	80.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	968.2	96.8
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3237.7	107.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4 ISTD



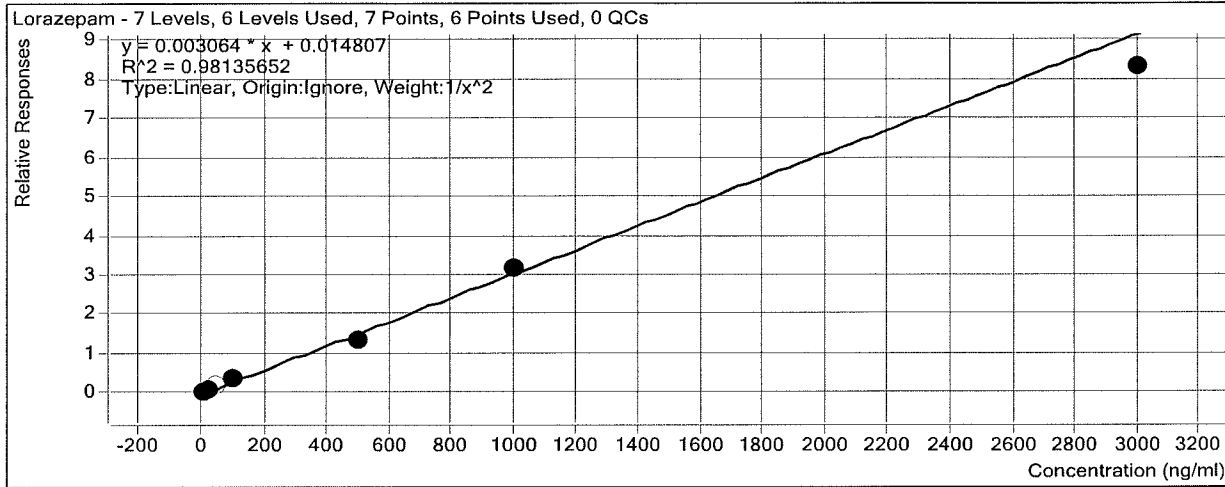
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	99.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.9	107.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.5	100.5
500 ng/mL	7	<input type="checkbox"/>	500	369.0	73.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	917.0	91.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3175.2	105.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Oxazepam D5 ISTD



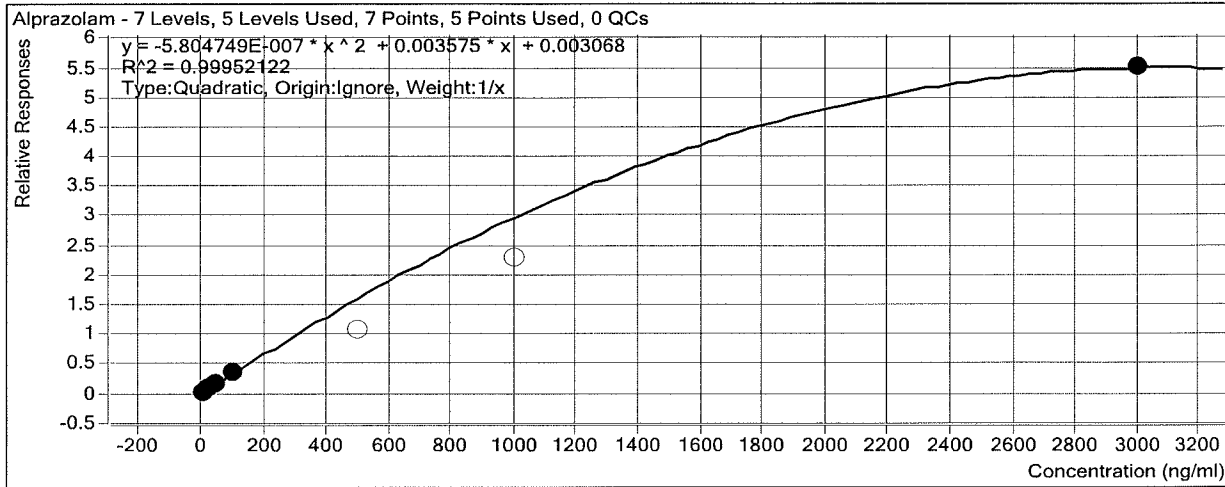
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.5	95.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.9	107.6
50 ng/mL	5	<input type="checkbox"/>	50	64.2	128.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	119.2	119.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	427.6	85.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1021.7	102.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2705.2	90.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard alphahydroxyalprazolam-D5 ISTD



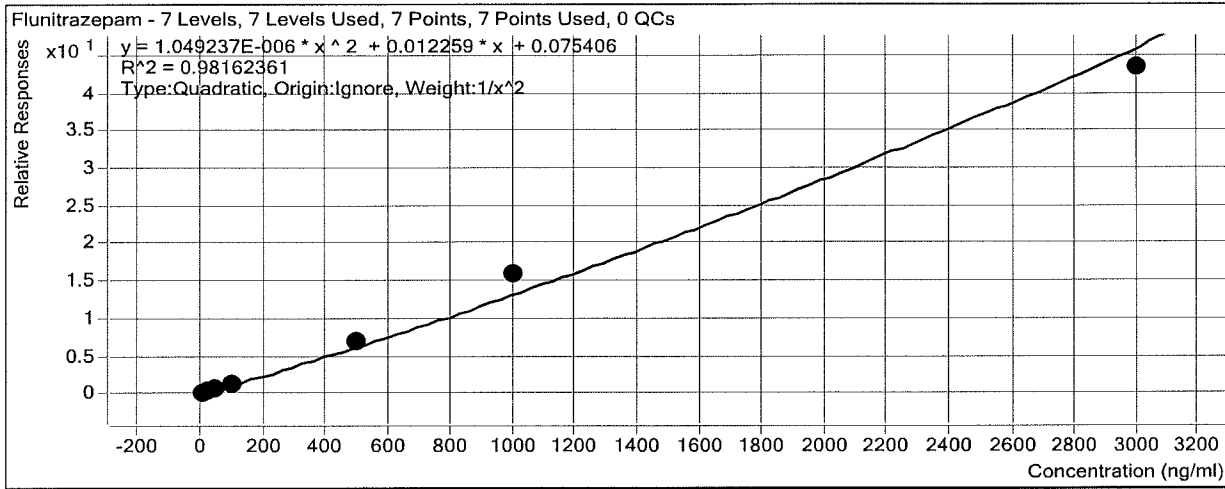
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.4	93.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	27.6	110.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	47.7	95.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.3	100.3
500 ng/mL	7	<input type="checkbox"/>	500	317.3	63.5
1000 ng/mL	8	<input type="checkbox"/>	1000	731.3	73.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.3	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

Target Compound Flunitrazepam
Internal Standard Clonazepam-D4 ISTD



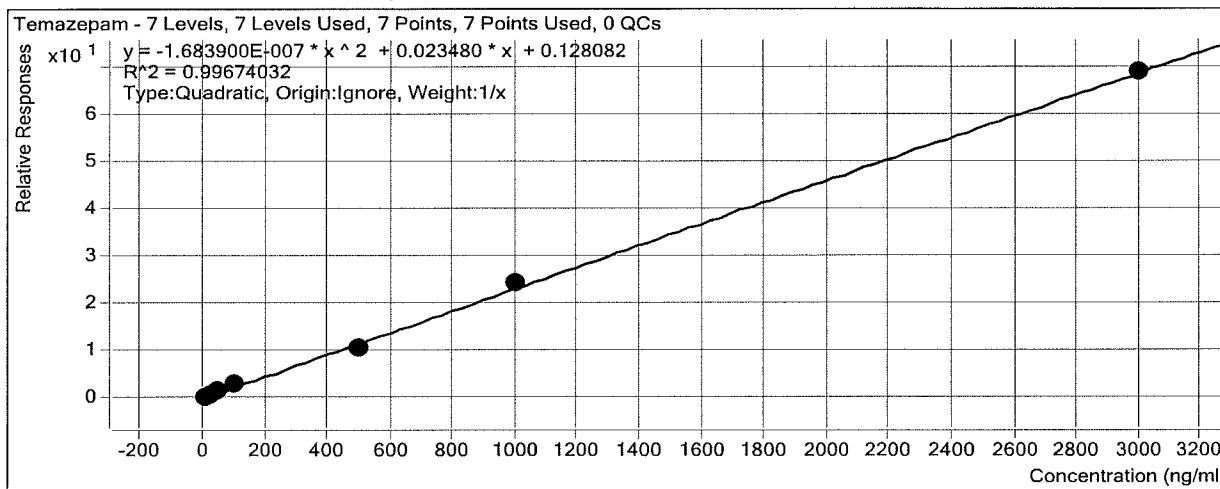
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	21.5	86.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.4	98.8
100 ng/mL	6	<input checked="" type="checkbox"/>	100	87.2	87.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	534.6	106.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1183.7	118.4
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2840.5	94.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **Analyst Name** ISP TOX

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



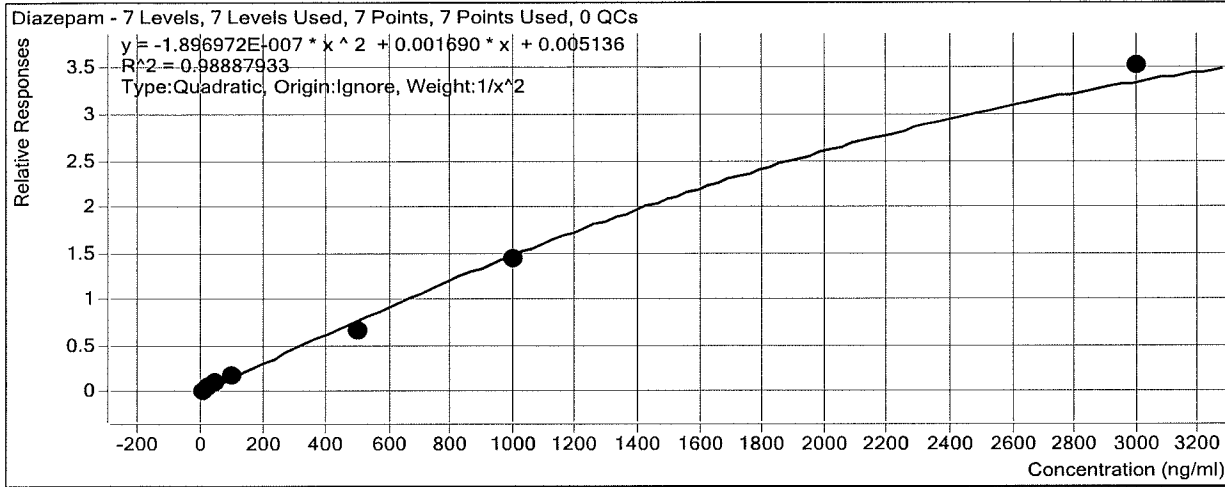
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.1	80.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	57.8	115.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	115.0	115.0
500 ng/mL	7	<input checked="" type="checkbox"/>	500	437.5	87.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1049.4	104.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2993.2	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin

Last Calib Update 4/27/2017 8:40 AM **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	9.7	96.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.6	102.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	56.1	112.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.7	103.7
500 ng/mL	7	<input checked="" type="checkbox"/>	500	418.5	83.7
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	960.6	96.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3324.1	110.8

ISP FORENSICS - Cd'A Instrument # 62340

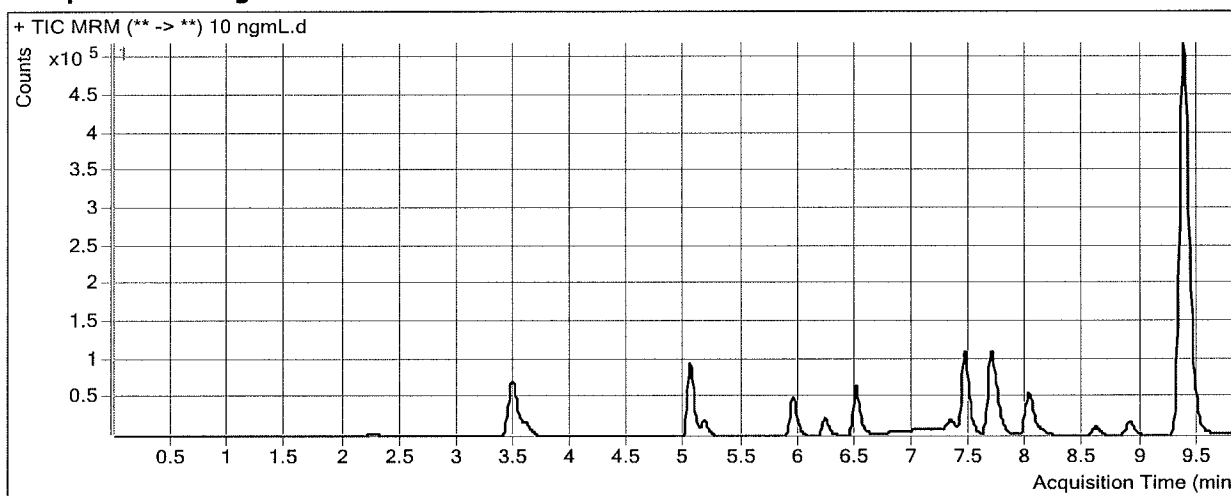
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 11:30 **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 4/26/17- 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	15280	323917	0.0472	9.8997
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.603	53323	323917	0.1646	9.6379
zopiclone	Oxazepam D5 ISTD	4.023	3723	230125	0.0162	11.0319
zolpidem	Oxazepam D5 ISTD	5.045	283770	230125	1.2331	9.9377
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.173	61806	86842	0.7117	9.9245
quetiapine	Oxazepam D5 ISTD	5.939	122460	230125	0.5321	0.0000
Midazolam	Clonazepam-D4 ISTD	6.226	74708	197207	0.3788	9.7251
Flurazepam	Diazepam-D5 ISTD	6.496	214325	1582427	0.1354	8.2867
Nitrazepam	Clonazepam-D4 ISTD	7.317	37078	197207	0.1880	9.1292
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.489	2531	310409	0.0082	9.9426
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.539	6514	86842	0.0750	8.4263
Oxazepam	Oxazepam D5 ISTD	7.729	39242	230125	0.1705	9.9363
Nordiazepam	Nordiazepam-D5 ISTD	7.765	25489	86842	0.2935	9.7310
Clonazepam	Clonazepam-D4 ISTD	8.044	25937	197207	0.1315	9.9868
Lorazepam	Oxazepam D5 ISTD	8.101	10130	230125	0.0440	9.5328
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.139	11355	310409	0.0366	9.3887
Flunitrazepam	Clonazepam-D4 ISTD	8.588	40704	197207	0.2064	10.6758
Temazepam	Oxazepam D5 ISTD	8.882	73169	230125	0.3180	8.0870
Diazepam	Diazepam-D5 ISTD	9.469	33928	1582427	0.0214	9.6594

ISP FORENSICS - Cd'A Instrument # 62340

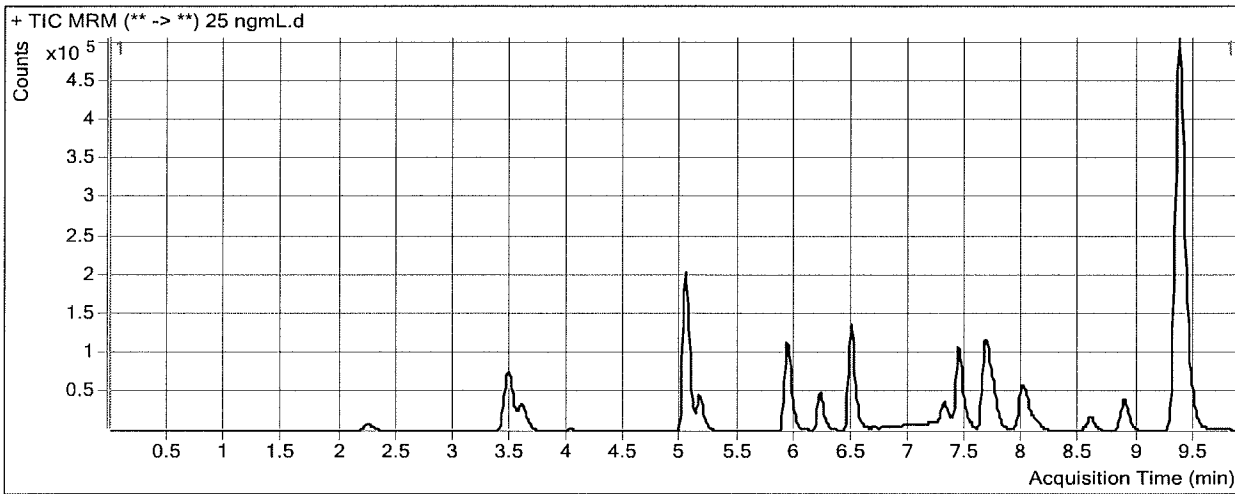
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 11:45 **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 4/26/17- 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	40427	343205	0.1178	25.3819
7-Aminoflunitrazepam	ISTD	3.603	119995	343205	0.3496	25.1962
zopiclone	Oxazepam D5 ISTD	4.015	6473	234055	0.0277	20.3605
zolpidem	Oxazepam D5 ISTD	5.028	608701	234055	2.6007	24.1047
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.155	138564	86955	1.5935	24.6523
quetiapine	Oxazepam D5 ISTD	5.931	280608	234055	1.1989	0.0000
Midazolam	Clonazepam-D4 ISTD	6.218	153010	197990	0.7728	24.6933
Flurazepam	Diazepam-D5 ISTD	6.480	450702	1548778	0.2910	24.4644
Nitrazepam	Clonazepam-D4 ISTD	7.301	85082	197990	0.4297	24.0182
alpha-Hydroxyalprazolam	alphanhydroxyalprazolam-D5 ISTD	7.464	5099	265626	0.0192	24.4166
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.522	16138	86955	0.1856	25.6671
Oxazepam	Oxazepam D5 ISTD	7.712	89961	234055	0.3844	24.1939
Nordiazepam	Nordiazepam-D5 ISTD	7.756	57390	86955	0.6600	24.8111
Clonazepam	Clonazepam-D4 ISTD	8.020	58647	197990	0.2962	24.1255
Lorazepam	Oxazepam D5 ISTD	8.076	22765	234055	0.0973	26.9102
Alprazolam	alphanhydroxyalprazolam-D5 ISTD	8.130	26913	265626	0.1013	27.6083
Flunitrazepam	Clonazepam-D4 ISTD	8.571	67283	197990	0.3398	21.5295
Temazepam	Oxazepam D5 ISTD	8.865	162417	234055	0.6939	24.1033
Diazepam	Diazepam-D5 ISTD	9.469	74763	1548778	0.0483	25.6012

ISP FORENSICS - Cd'A Instrument # 62340

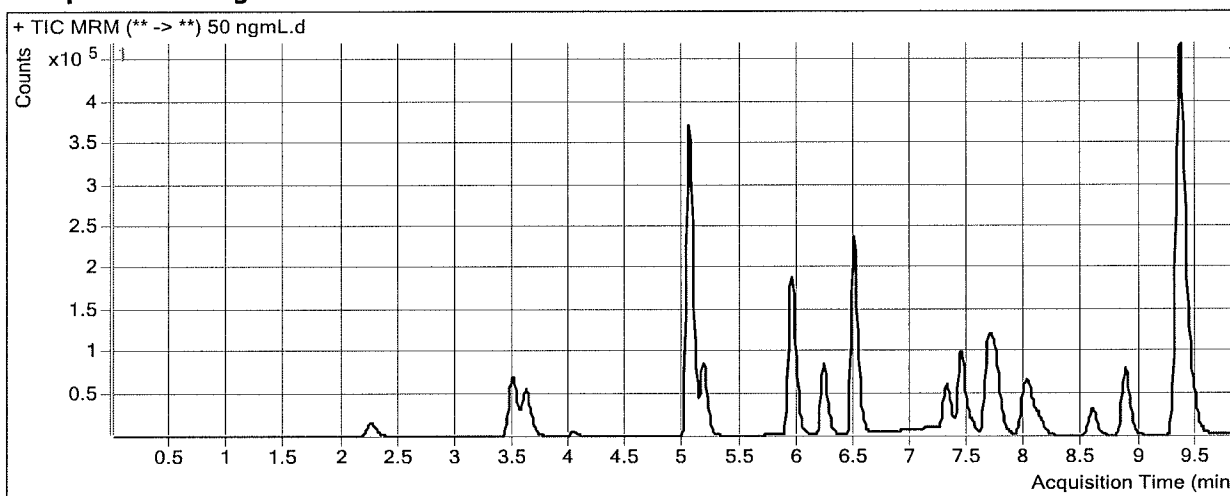
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 11:59 **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 4/26/17- 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	2.258	76503	318466	0.2402	52.2225
7-Aminoflunitrazepam	ISTD	3.612	215390	318466	0.6763	52.6701
zopiclone	Oxazepam D5 ISTD	4.032	16180	216833	0.0746	54.5231
zolpidem	Oxazepam D5 ISTD	5.045	1117058	216833	5.1517	51.6257
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.173	269612	82324	3.2750	52.8073
quetiapine	Oxazepam D5 ISTD	5.939	484638	216833	2.2351	55.4216
Midazolam	Clonazepam-D4 ISTD	6.226	279121	182638	1.5283	53.3944
Flurazepam	Diazepam-D5 ISTD	6.479	820043	1428813	0.5739	53.8874
Nitrazepam	Clonazepam-D4 ISTD	7.301	164832	182638	0.9025	53.2599
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.464	10787	260416	0.0414	53.6437
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.522	31189	82324	0.3789	55.7934
Oxazepam	Oxazepam D5 ISTD	7.712	179650	216833	0.8285	53.9668
Nordiazepam	Nordiazepam-D5 ISTD	7.756	117458	82324	1.4268	56.4966
Clonazepam	Clonazepam-D4 ISTD	8.020	117111	182638	0.6412	53.8808
Lorazepam	Oxazepam D5 ISTD	8.076	45847	216833	0.2114	64.1711
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.122	44860	260416	0.1723	47.6984
Flunitrazepam	Clonazepam-D4 ISTD	8.563	124887	182638	0.6838	49.4176
Temazepam	Oxazepam D5 ISTD	8.857	321784	216833	1.4840	57.7725
Diazepam	Diazepam-D5 ISTD	9.452	141842	1428813	0.0993	56.0617

ISP FORENSICS - Cd'A Instrument # 62340

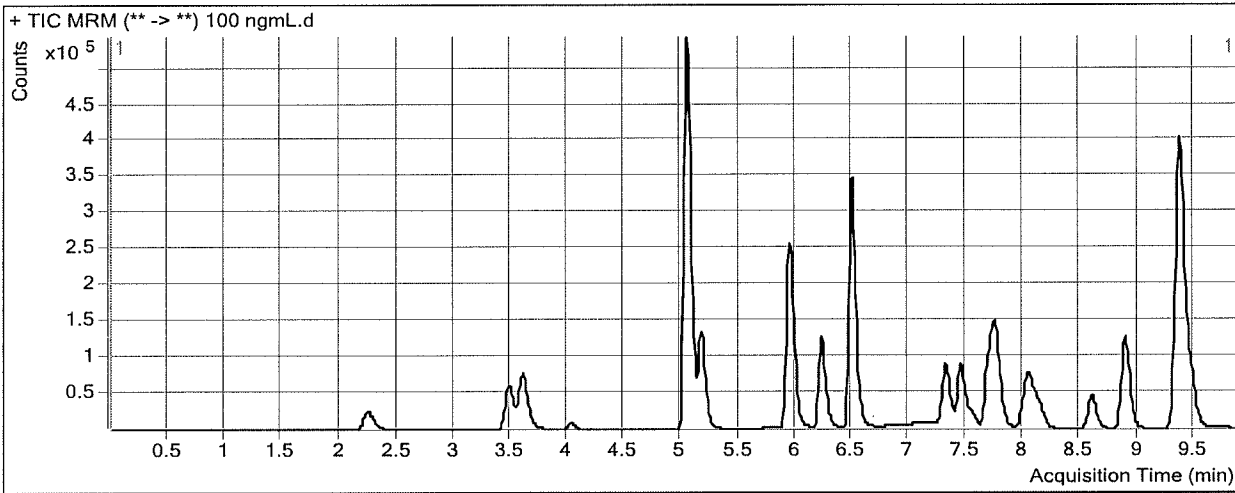
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 12:14 **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 4/26/17- 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	2.258	118917	273065	0.4355	95.0305
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.612	330239	273065	1.2094	97.4957
zopiclone	Oxazepam D5 ISTD	4.023	26734	181620	0.1472	98.8950
zolpidem	Oxazepam D5 ISTD	5.045	1678373	181620	9.2411	99.3046
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.173	423304	67783	6.2450	102.7667
quetiapine	Oxazepam D5 ISTD	5.947	677953	181620	3.7328	140.7591
Midazolam	Clonazepam-D4 ISTD	6.234	411192	153374	2.6810	97.1872
Flurazepam	Diazepam-D5 ISTD	6.496	1224370	1222423	1.0016	98.3615
Nitrazepam	Clonazepam-D4 ISTD	7.317	262269	153374	1.7100	103.5780
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.481	17284	223067	0.0775	101.3254
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.539	48833	67783	0.7204	109.0146
Oxazepam	Oxazepam D5 ISTD	7.729	286737	181620	1.5788	104.7523
Nordiazepam	Nordiazepam-D5 ISTD	7.765	180631	67783	2.6648	108.0507
Clonazepam	Clonazepam-D4 ISTD	8.036	180574	153374	1.1773	100.4908
Lorazepam	Oxazepam D5 ISTD	8.093	69007	181620	0.3800	119.1645
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.139	79355	223067	0.3557	100.2889
Flunitrazepam	Clonazepam-D4 ISTD	8.580	176716	153374	1.1522	87.1835
Temazepam	Oxazepam D5 ISTD	8.874	513135	181620	2.8253	114.9691
Diazepam	Diazepam-D5 ISTD	9.469	217947	1222423	0.1783	103.6777

ISP FORENSICS - Cd'A Instrument # 62340

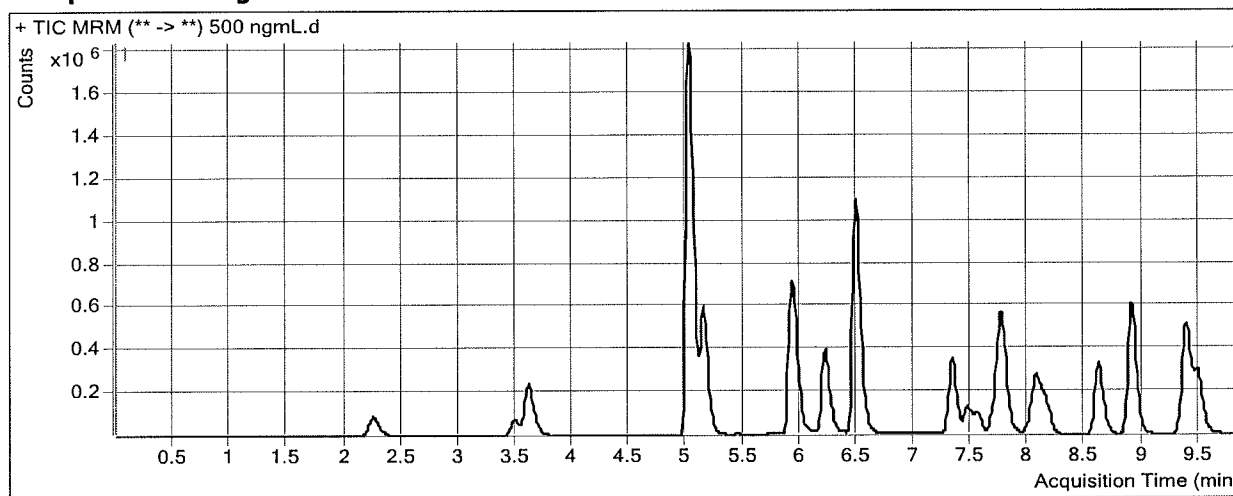
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 12:29 **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 4/26/17- 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	429581	330989	1.2979	284.0889
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.612	1097130	330989	3.3147	274.5403
zolpidem	Oxazepam D5 ISTD	5.020	6565478	242545	27.0691	500.1330
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.147	1898055	89633	21.1758	358.5477
quetiapine	Oxazepam D5 ISTD	5.931	2210720	242545	9.1147	449.6486
Midazolam	Clonazepam-D4 ISTD	6.218	1439441	196671	7.3190	273.3950
Flurazepam	Diazepam-D5 ISTD	6.479	4428635	1561540	2.8361	289.1364
Nitrazepam	Clonazepam-D4 ISTD	7.326	1104359	196671	5.6153	354.0198
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.498	78819	368551	0.2139	284.6928
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.547	250461	89633	2.7943	431.5310
Oxazepam	Oxazepam D5 ISTD	7.738	1199351	242545	4.9449	340.8769
Nordiazepam	Nordiazepam-D5 ISTD	7.781	849700	89633	9.4797	401.1440
Clonazepam	Clonazepam-D4 ISTD	8.053	818787	196671	4.1632	368.9950
Lorazepam	Oxazepam D5 ISTD	8.101	321407	242545	1.3251	427.6271
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.155	397580	368551	1.0788	317.2517
Flunitrazepam	Clonazepam-D4 ISTD	8.596	1362832	196671	6.9295	534.6292
Temazepam	Oxazepam D5 ISTD	8.890	2514775	242545	10.3683	437.4977
Diazepam	Diazepam-D5 ISTD	9.477	1060341	1561540	0.6790	418.4633

ISP FORENSICS - Cd'A Instrument # 62340

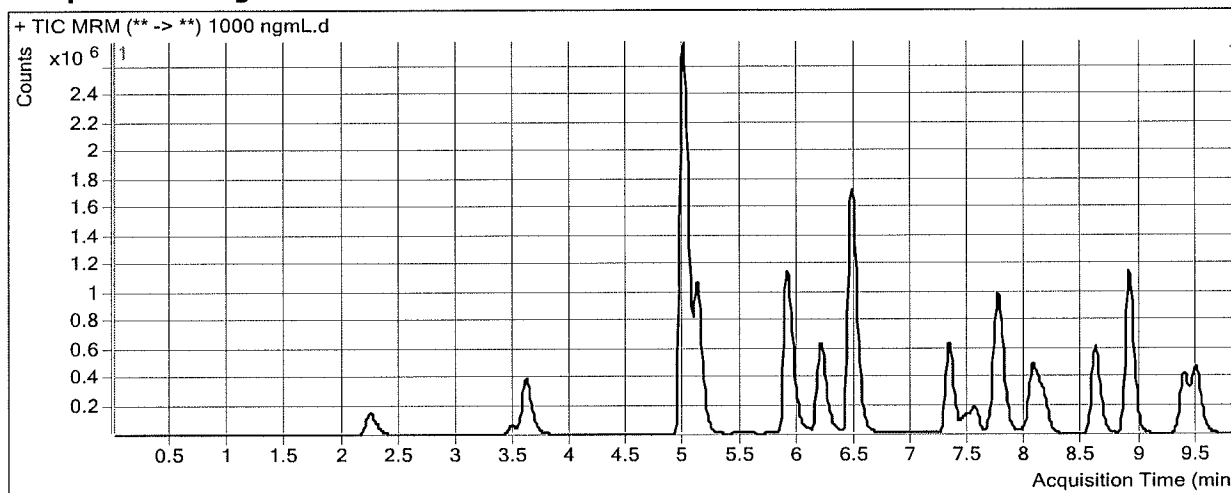
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 12:43 **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 4/26/17- 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	776160	273655	2.8363	621.3499
7-Aminoflunitrazepam	ISTD	3.603	1881861	273655	6.8768	574.0869
zolpidem	Oxazepam D5 ISTD	4.987	11300170	193125	58.5123	
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.122	3650662	71311	51.1937	898.6742
quetiapine	Oxazepam D5 ISTD	5.906	3797554	193125	19.6637	1065.6889
Midazolam	Clonazepam-D4 ISTD	6.192	2547285	157175	16.2066	611.0500
Flurazepam	Diazepam-D5 ISTD	6.454	7671927	1290867	5.9432	612.2640
Nitrazepam	Clonazepam-D4 ISTD	7.317	2103145	157175	13.3809	893.2605
alpha-Hydroxyalprazolam	ISTD	7.489	166675	257270	0.6479	904.6125
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.539	491150	71311	6.8875	1065.0364
Oxazepam	Oxazepam D5 ISTD	7.729	2198789	193125	11.3853	838.9304
Nordiazepam	Nordiazepam-D5 ISTD	7.781	1539227	71311	21.5848	968.2258
Clonazepam	Clonazepam-D4 ISTD	8.044	1527024	157175	9.7154	917.0346
Lorazepam	Oxazepam D5 ISTD	8.101	607465	193125	3.1455	1021.6844
Alprazolam	ISTD	8.147	593513	257270	2.3070	731.3241
Flunitrazepam	Clonazepam-D4 ISTD	8.596	2523711	157175	16.0566	1183.6828
Temazepam	Oxazepam D5 ISTD	8.890	4747454	193125	24.5823	1049.3941
Diazepam	Diazepam-D5 ISTD	9.485	1876026	1290867	1.4533	960.5973

ISP FORENSICS - Cd'A Instrument # 62340

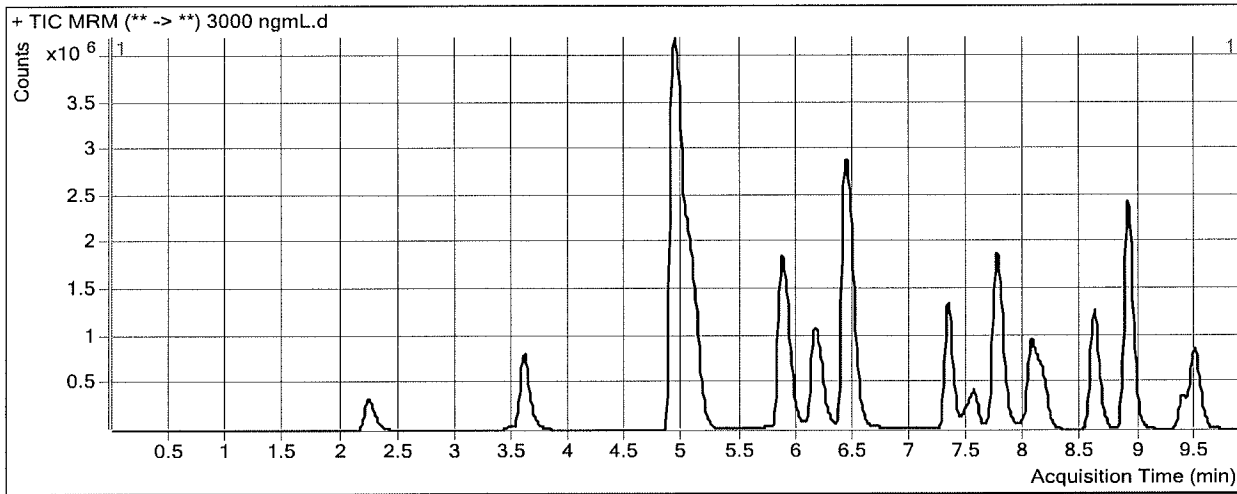
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\4-26-17 urine benz\QuantResults\42617 urine benzo.batch.bin
Analysis Time 4/27/2017 8:40 AM **Analyst Name** ISP Tox
Report Time 4/27/2017 8:59 AM **Reporter Name** ISP Tox
Last Calib Update 4/27/2017 8:40 AM **Batch State** Processed

Analysis Info

Acq Time 2017-04-26 12:58 **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 4/26/17- 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	1679079	237135	7.0807	1551.8476
7-Aminoflunitrazepam	ISTD	3.603	3878660	237135	16.3563	1371.2583
zolpidem	Oxazepam D5 ISTD	4.920	19995791	148947	134.2478	
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.073	8460919	55097	153.5633	3132.5913
quetiapine	Oxazepam D5 ISTD	5.864	7597039	148947	51.0050	2988.1376
Midazolam	Clonazepam-D4 ISTD	6.159	5670629	123393	45.9557	1741.2680
Flurazepam	Diazepam-D5 ISTD	6.421	16916459	1059007	15.9739	1655.3941
Nitrazepam	Clonazepam-D4 ISTD	7.326	4521323	123393	36.6416	3193.1818
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.489	448108	240218	1.8654	3138.6953
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.547	1073340	55097	19.4808	2989.4806
Oxazepam	Oxazepam D5 ISTD	7.729	4578864	148947	30.7416	3545.8613
Nordiazepam	Nordiazepam-D5 ISTD	7.781	3072759	55097	55.7697	3237.6867
Clonazepam	Clonazepam-D4 ISTD	8.044	3074214	123393	24.9139	3175.1873
Lorazepam	Oxazepam D5 ISTD	8.101	1236865	148947	8.3041	2705.1939
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.156	1321992	240218	5.5033	3000.3473
Flunitrazepam	Clonazepam-D4 ISTD	8.596	5350700	123393	43.3630	2840.4583
Temazepam	Oxazepam D5 ISTD	8.890	10262433	148947	68.9000	2993.2190
Diazepam	Diazepam-D5 ISTD	9.485	3734189	1059007	3.5261	3324.1487