

Worklist: 1495

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0036	1	74527	AM 13 Urine LCMS-QQQ Benz	
C2017-0084	1	74575	AM 13 Urine LCMS-QQQ Benz	
C2017-0092	1	74573	AM 13 Urine LCMS-QQQ Benz	
M2017-0024	2	74572	AM 13 Urine LCMS-QQQ Benz	



ISP FORENSICS - Cd'A Instrument # 62340

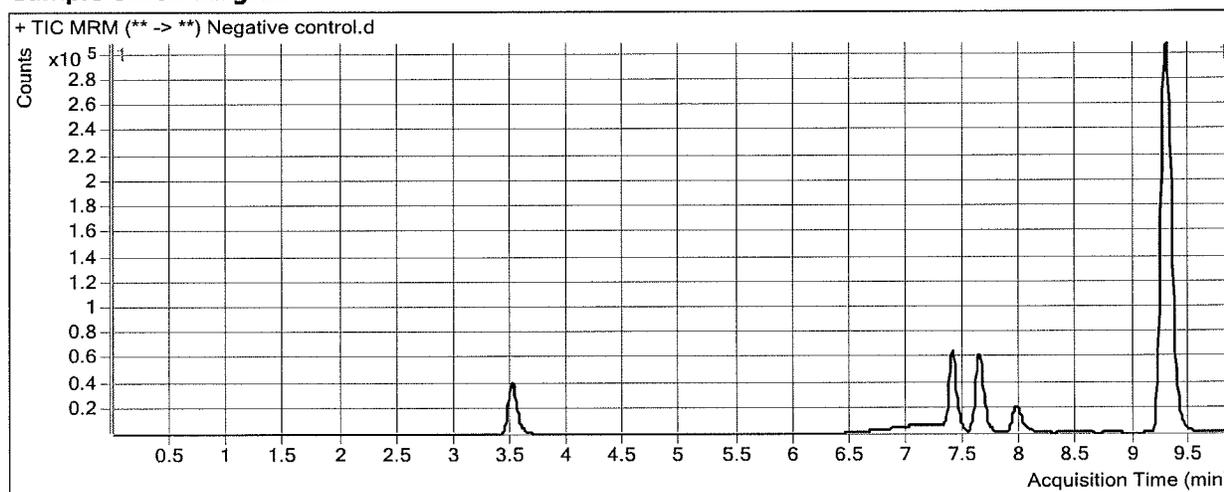
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 14:18 **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 P2-B3 **Sample Info** lot 121616
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

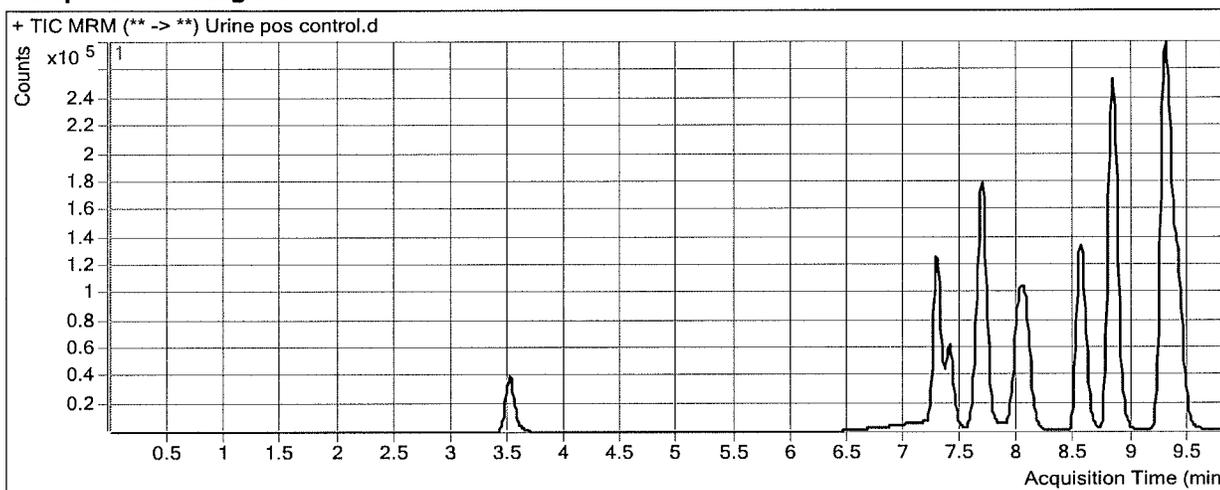
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 14:33 **Data File** Urine pos control.d
Sample Type Sample **Sample Name** Urine pos control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-B4 **Sample Info** 300 ng/ml benz mix lot FE022207-01 in 121616
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	7.284	405968	72646	5.5883	463.8119
Oxazepam	Oxazepam D5 ISTD	7.679	509384	126373	4.0308	387.5849
Clonazepam	Clonazepam-D4 ISTD	7.995	270767	72646	3.7272	432.7523
Lorazepam	Oxazepam D5 ISTD	8.034	113251	126373	0.8962	377.3555
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.071	221877	149322	1.4859	596.2655
Flunitrazepam	Clonazepam-D4 ISTD	8.538	580953	72646	7.9970	540.0170
Temazepam	Oxazepam D5 ISTD	8.815	1149044	126373	9.0925	468.6860
Diazepam	Diazepam-D5 ISTD	9.394	470254	960283	0.4897	378.0746

ISP

ISP FORENSICS - Cd'A Instrument # 62340

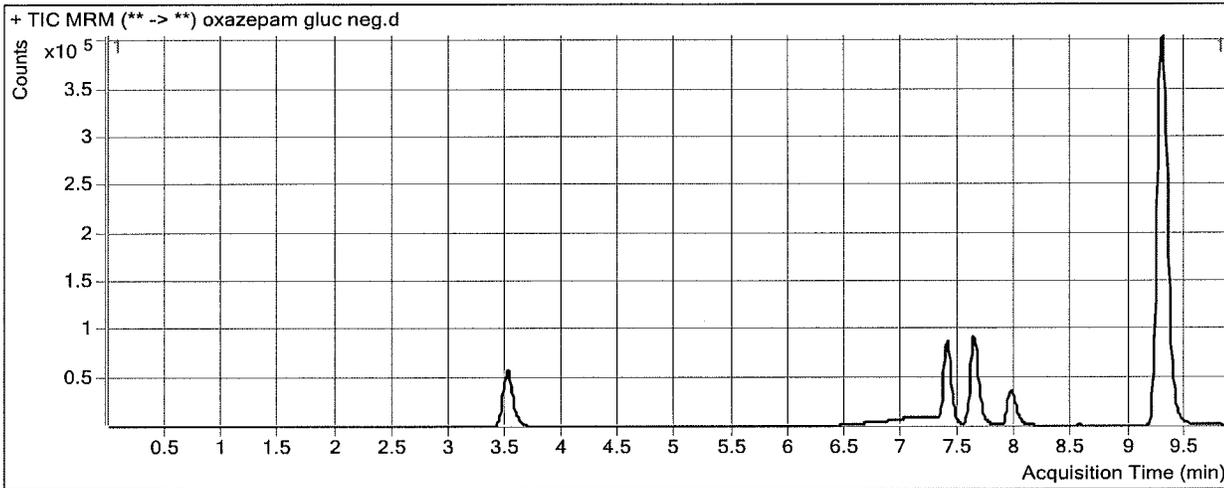
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 13:48 **Data File** oxazepam gluc neg.d
Sample Type Sample **Sample Name** oxazepam gluc neg
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-B1 **Sample Info** 300 ng/ml Cerilliant lot FE102612-01 in 121616 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	3470	214495	0.0162	1.6118

ISP FORENSICS - Cd'A Instrument # 62340

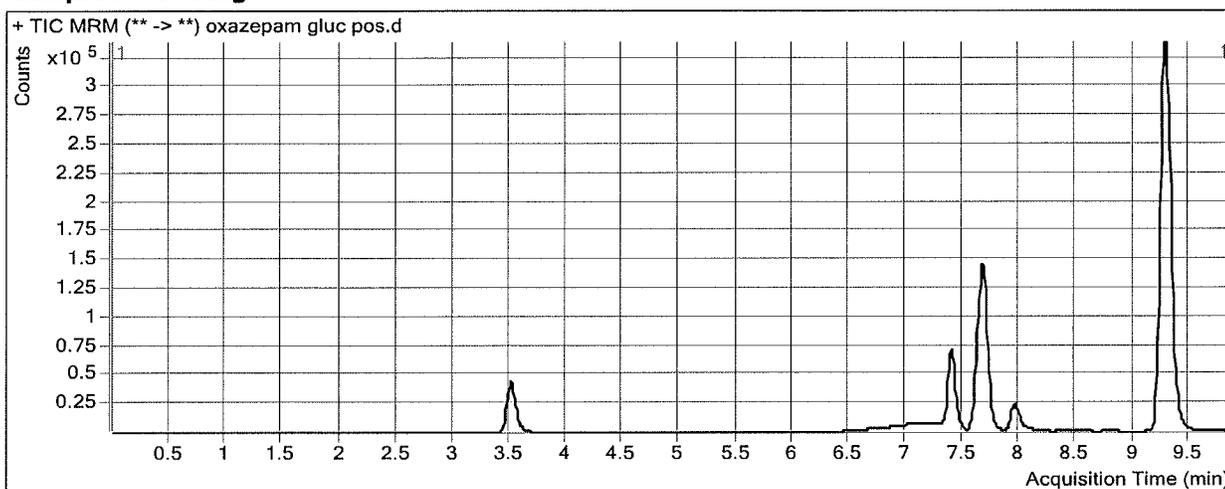
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 14:03 **Data File** oxazepam gluc pos.d
Sample Type Sample **Sample Name** oxazepam gluc pos
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-B2 **Sample Info** 300 ng/ml Cerilliant lot FE102612-01 in 121616 with glucuronidase
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

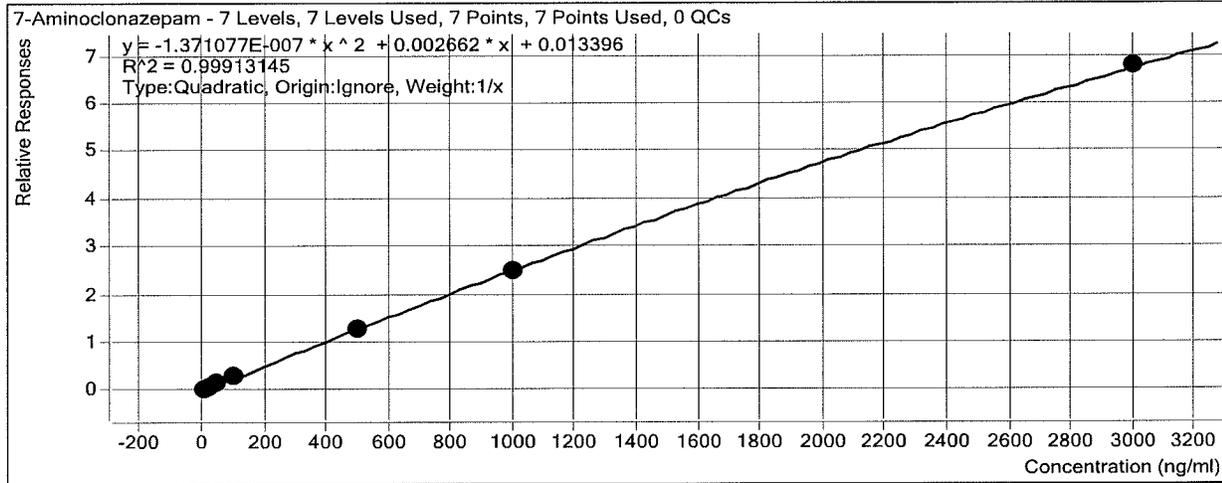
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam D5 ISTD	7.670	372344	154900	2.4038	229.5551

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



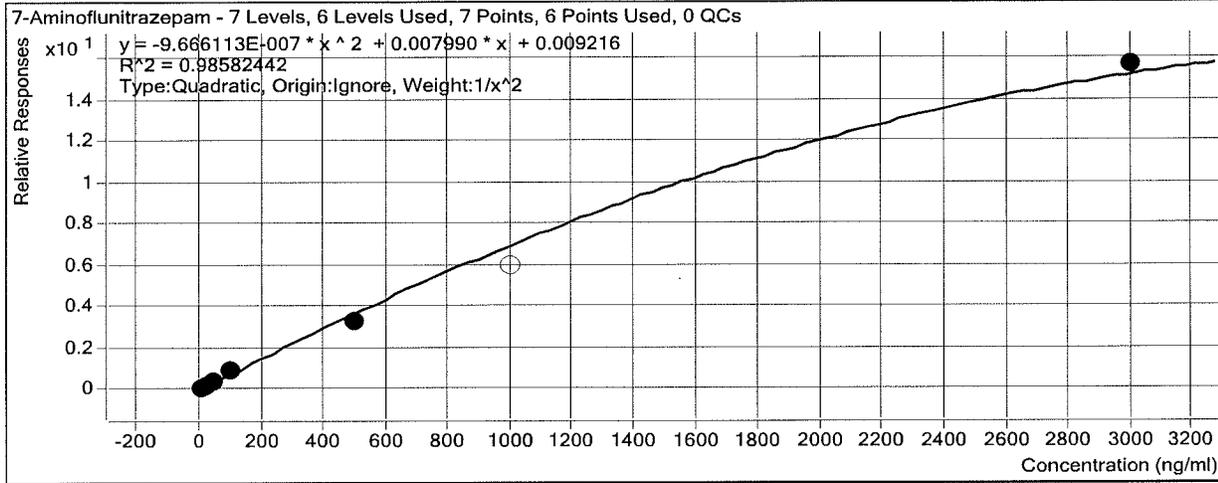
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.6	85.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.4	93.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.0	110.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	113.8	113.8
500 ng/mL	7	<input checked="" type="checkbox"/>	500	490.4	98.1
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	987.5	98.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3006.9	100.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



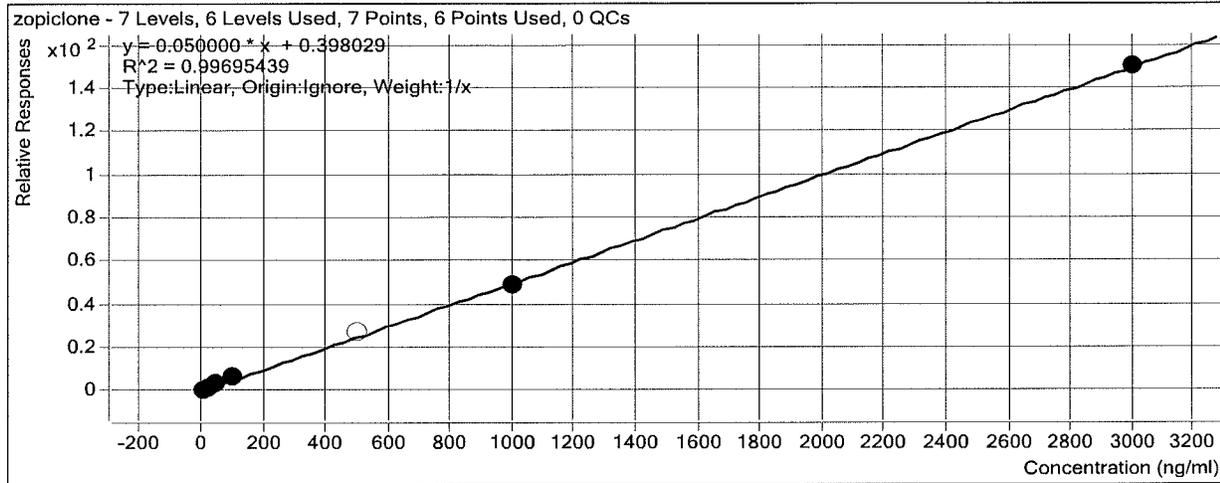
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.7	94.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.2	100.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	115.2	115.2
500 ng/mL	7	<input checked="" type="checkbox"/>	500	429.7	85.9
1000 ng/mL	8	<input type="checkbox"/>	1000	829.8	83.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3193.8	106.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 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	0.0	0.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	0.0	0.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	0.0	0.0
100 ng/mL	6	<input checked="" type="checkbox"/>	100	0.0	0.0
500 ng/mL	7	<input 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

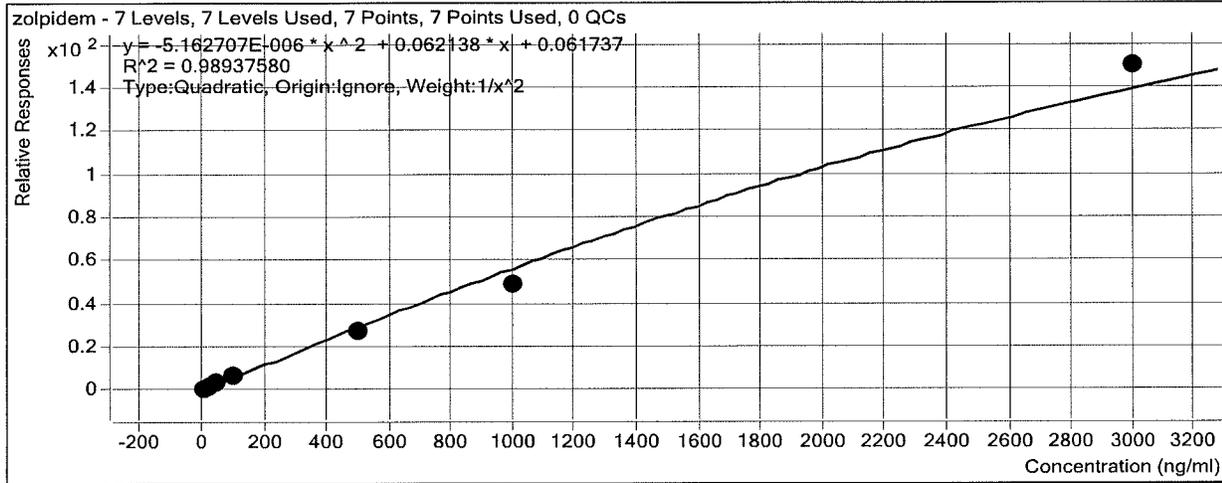
* not evaluated in this batch
BU

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



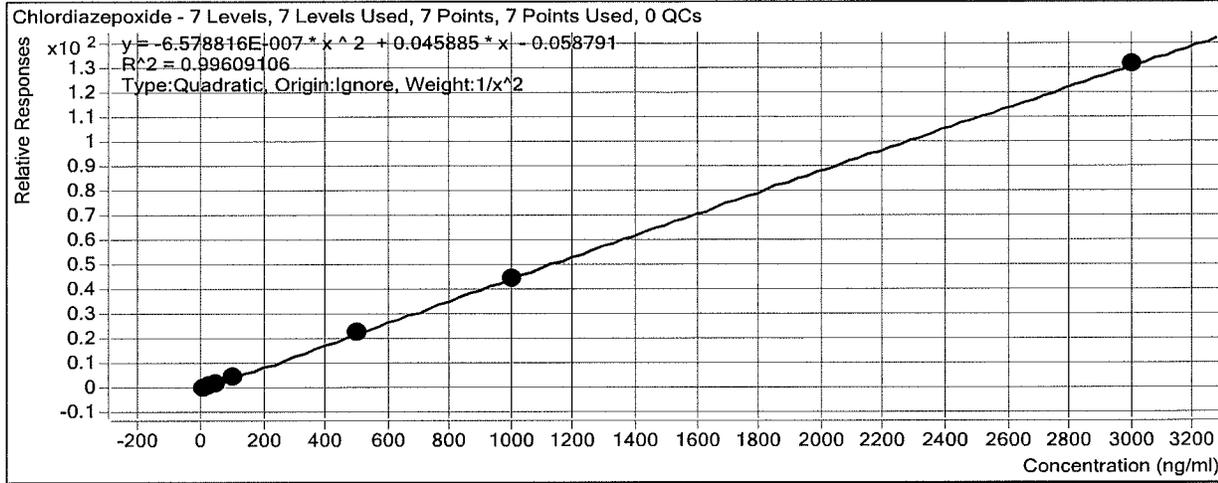
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.2	104.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.3	106.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	108.5	108.5
500 ng/mL	7	<input checked="" type="checkbox"/>	500	455.1	91.0
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	848.0	84.8
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3332.4	111.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



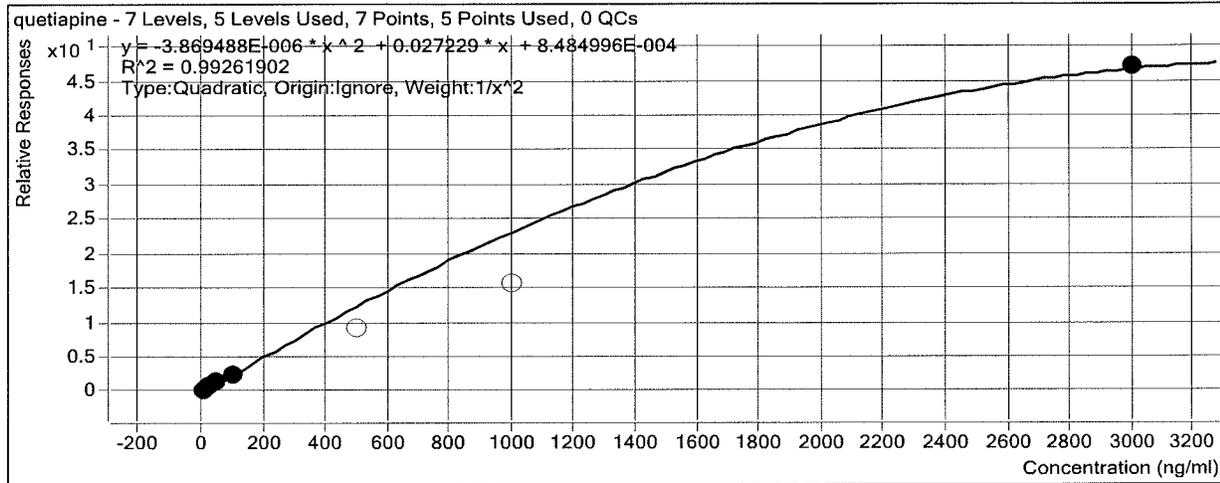
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	102.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.5	93.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	47.0	93.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	109.5	109.5
500 ng/mL	7	<input checked="" type="checkbox"/>	500	505.1	101.0
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	989.3	98.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.1	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



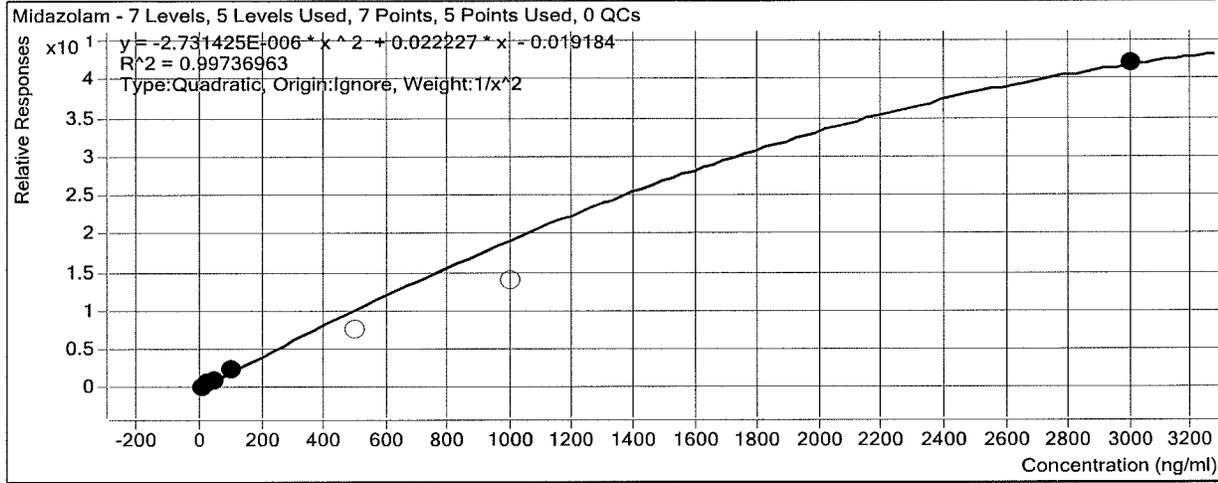
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	9.8	98.0
25 ngmL	4	<input checked="" type="checkbox"/>	25	25.9	103.8
50 ngmL	5	<input checked="" type="checkbox"/>	50	53.5	107.0
100 ngmL	6	<input checked="" type="checkbox"/>	100	91.0	91.0
500 ngmL	7	<input type="checkbox"/>	500	355.4	71.1
1000 ngmL	8	<input type="checkbox"/>	1000	637.4	63.7
3000 ngmL	9	<input checked="" type="checkbox"/>	3000	3032.1	101.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



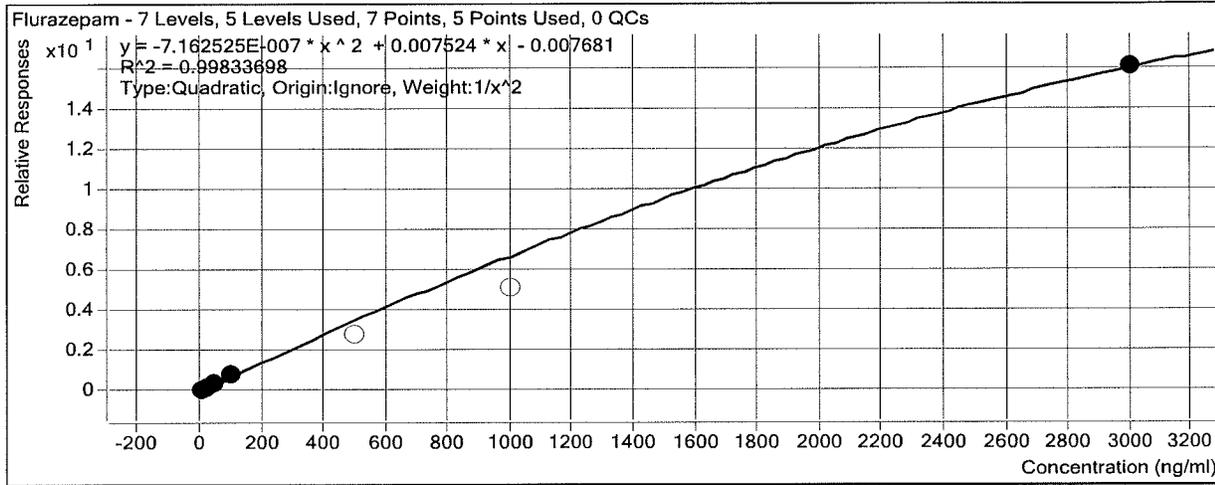
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.4	97.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	48.0	95.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.5	105.5
500 ng/mL	7	<input type="checkbox"/>	500	356.5	71.3
1000 ng/mL	8	<input type="checkbox"/>	1000	690.0	69.0
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2989.3	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



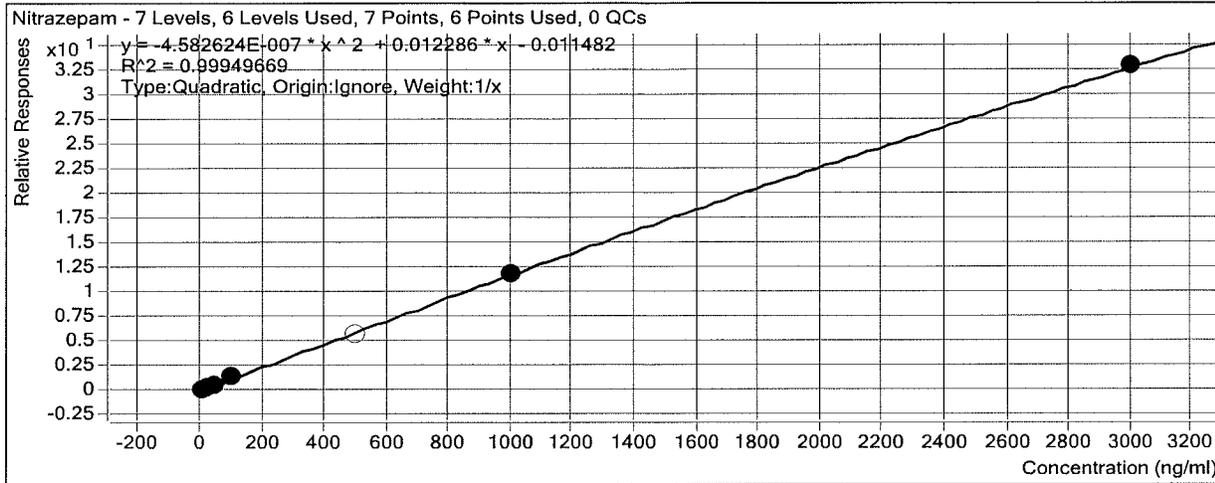
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.0	96.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.4	98.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	104.0	104.0
500 ng/mL	7	<input type="checkbox"/>	500	383.6	76.7
1000 ng/mL	8	<input type="checkbox"/>	1000	731.0	73.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2994.4	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Nitrazepam
Internal Standard Clonazepam-D4 ISTD



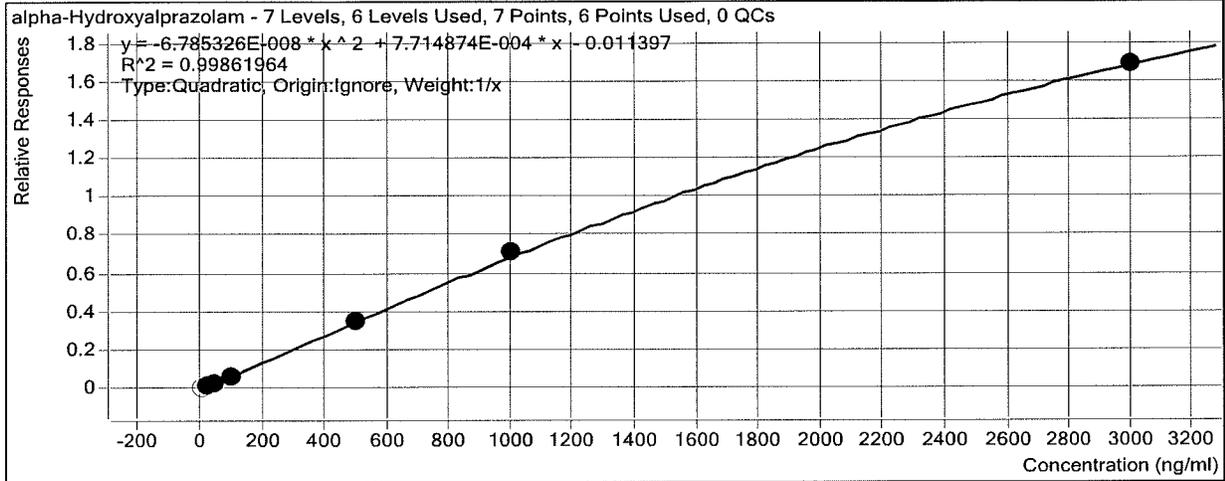
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	100.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.9	95.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	46.8	93.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	111.5	111.5
500 ng/mL	7	<input type="checkbox"/>	500	480.9	96.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	988.9	98.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3004.0	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



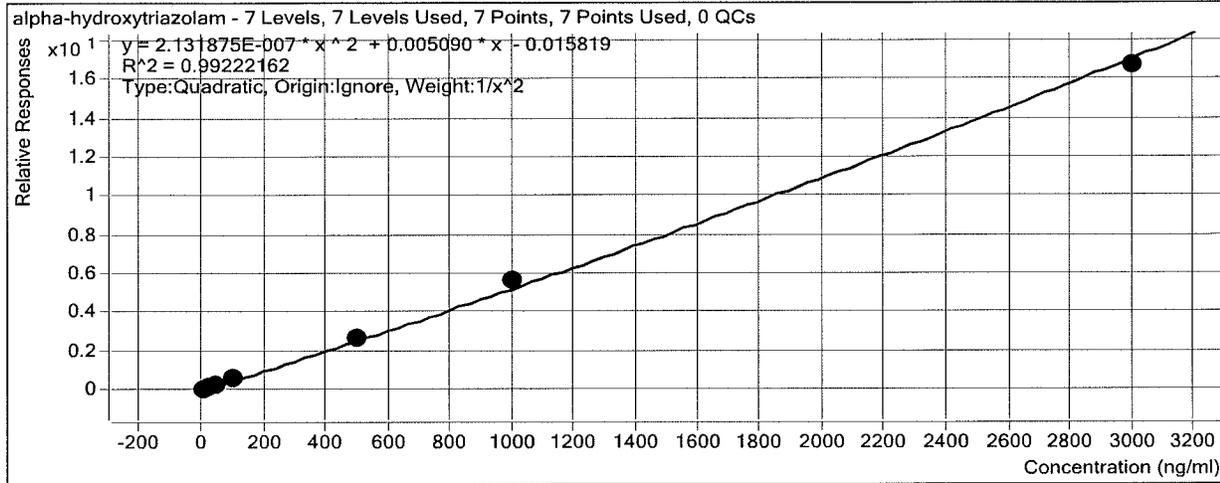
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	22.0	220.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	27.3	109.3
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.4	104.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	85.9	85.9
500 ng/mL	7	<input checked="" type="checkbox"/>	500	484.0	96.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1038.3	103.8
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2983.8	99.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



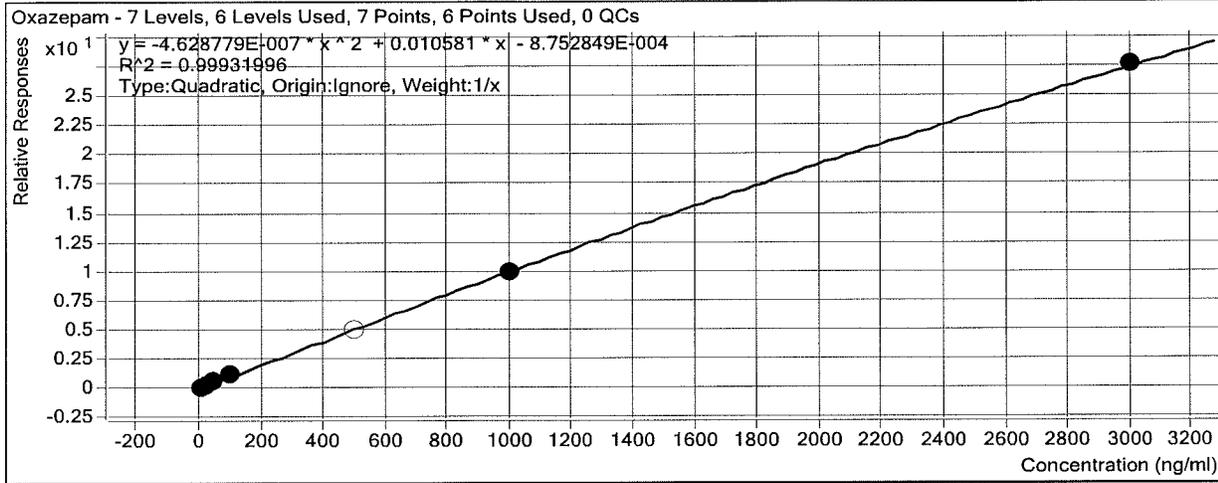
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.4	93.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	43.1	86.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	107.1	107.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	523.0	104.6
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1064.3	106.4
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2925.6	97.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam D5 ISTD



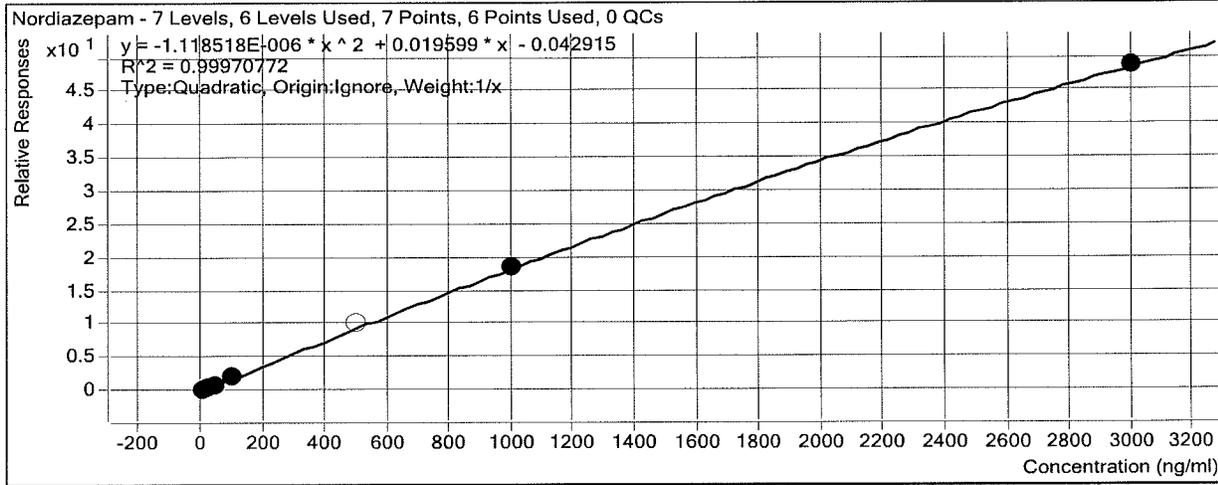
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.1	90.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.2
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.7	101.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	113.2	113.2
500 ng/mL	7	<input type="checkbox"/>	500	477.4	95.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	981.1	98.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3007.2	100.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5 ISTD



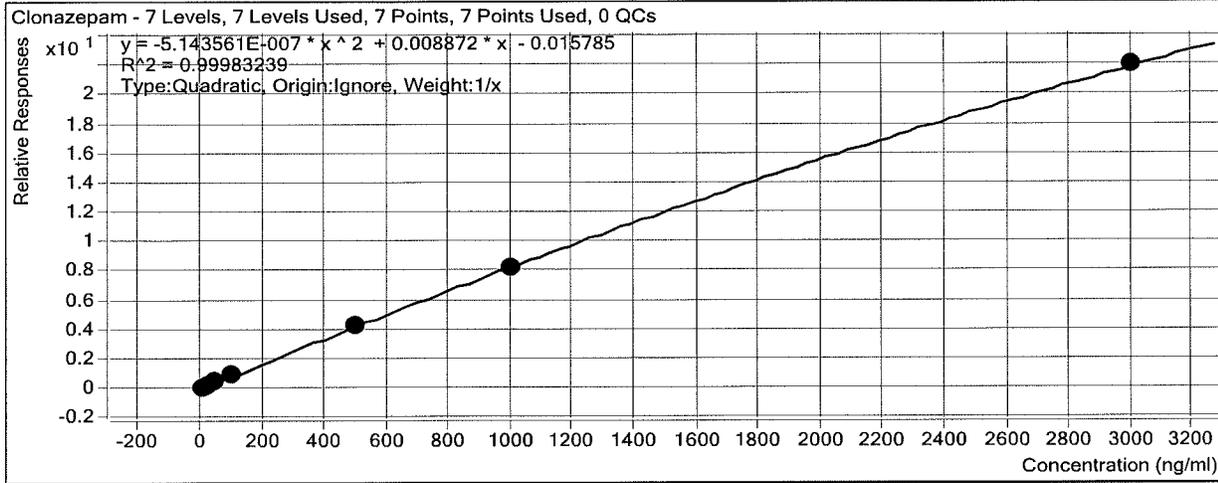
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.0	110.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.1	92.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.9	91.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.5	105.5
500 ng/mL	7	<input type="checkbox"/>	500	534.2	106.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	999.3	99.9
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3000.2	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4 ISTD



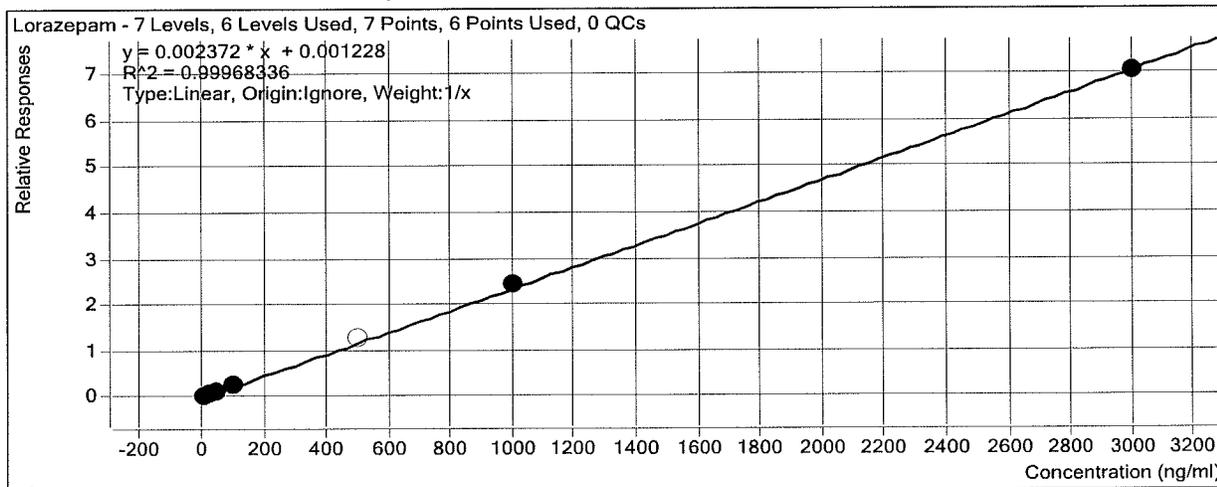
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	103.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.1	92.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.2	98.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.8	105.8
500 ng/mL	7	<input checked="" type="checkbox"/>	500	502.3	100.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	991.4	99.1
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	3003.1	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Oxazepam D5 ISTD



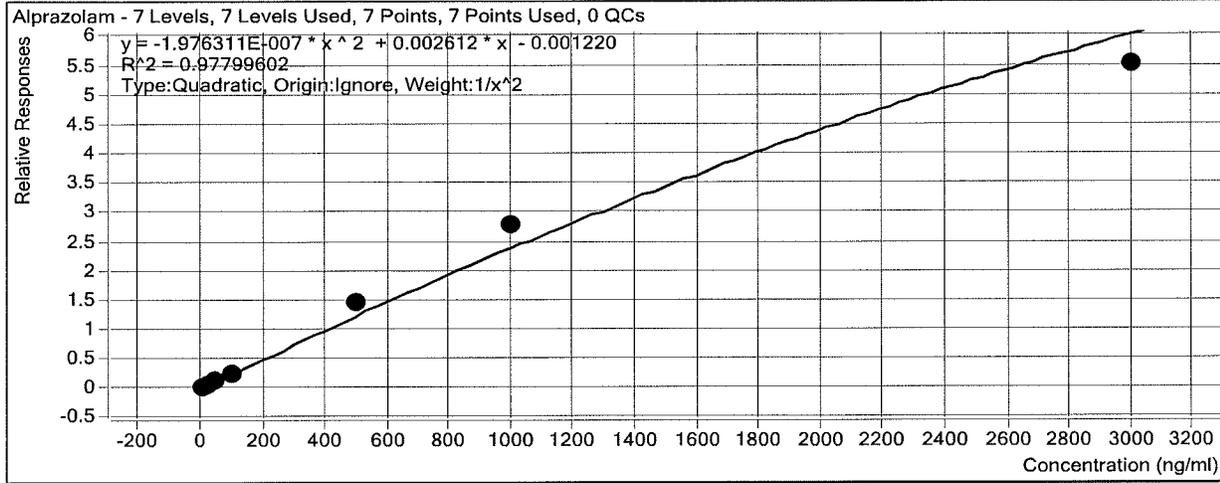
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.4	93.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	96.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.7	101.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	106.6	106.6
500 ng/mL	7	<input type="checkbox"/>	500	530.4	106.1
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1022.0	102.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2972.1	99.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 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	10.7	106.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	22.3	89.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.4	90.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	89.3	89.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	586.4	117.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1177.5	117.7
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2633.3	87.8

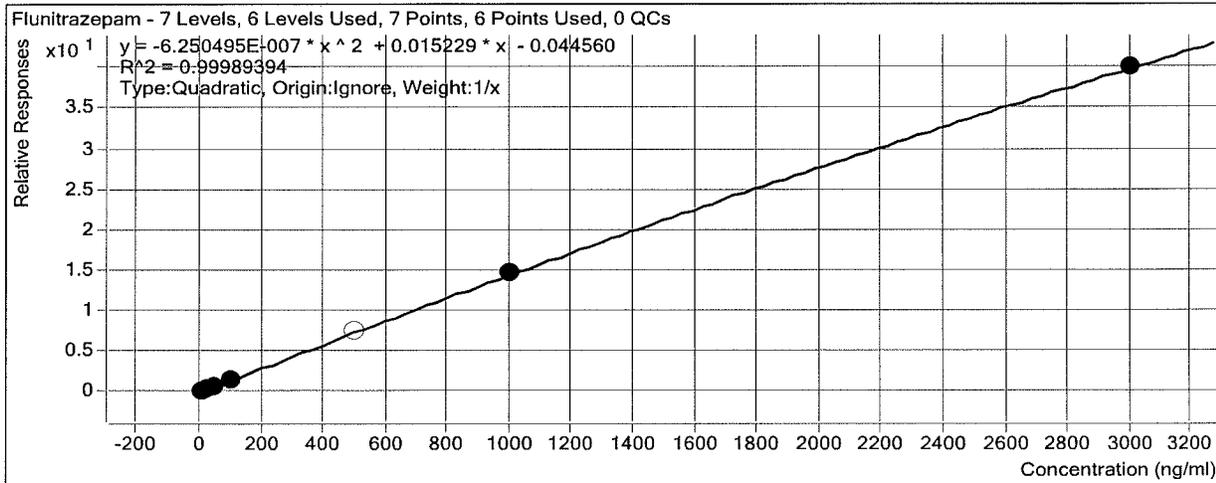
OTW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

Target Compound Flunitrazepam
Internal Standard Clonazepam-D4 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	11.0	110.2
25 ngmL	4	<input checked="" type="checkbox"/>	25	23.7	94.8
50 ngmL	5	<input checked="" type="checkbox"/>	50	47.2	94.5
100 ngmL	6	<input checked="" type="checkbox"/>	100	100.1	100.1
500 ngmL	7	<input type="checkbox"/>	500	509.3	101.9
1000 ngmL	8	<input checked="" type="checkbox"/>	1000	1004.7	100.5
3000 ngmL	9	<input checked="" type="checkbox"/>	3000	2998.2	99.9

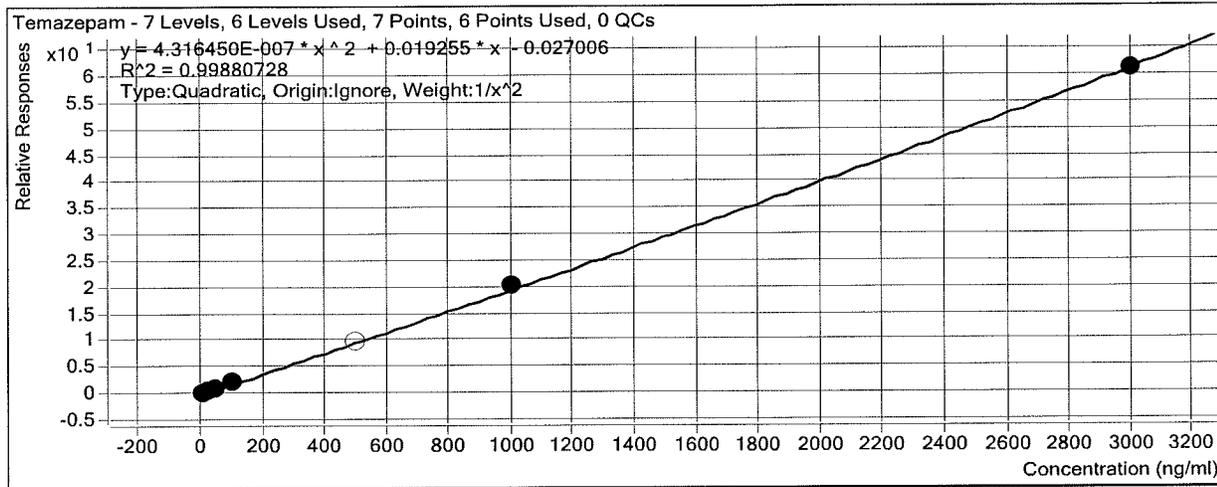
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 PM **Analyst Name** ISP TOX

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



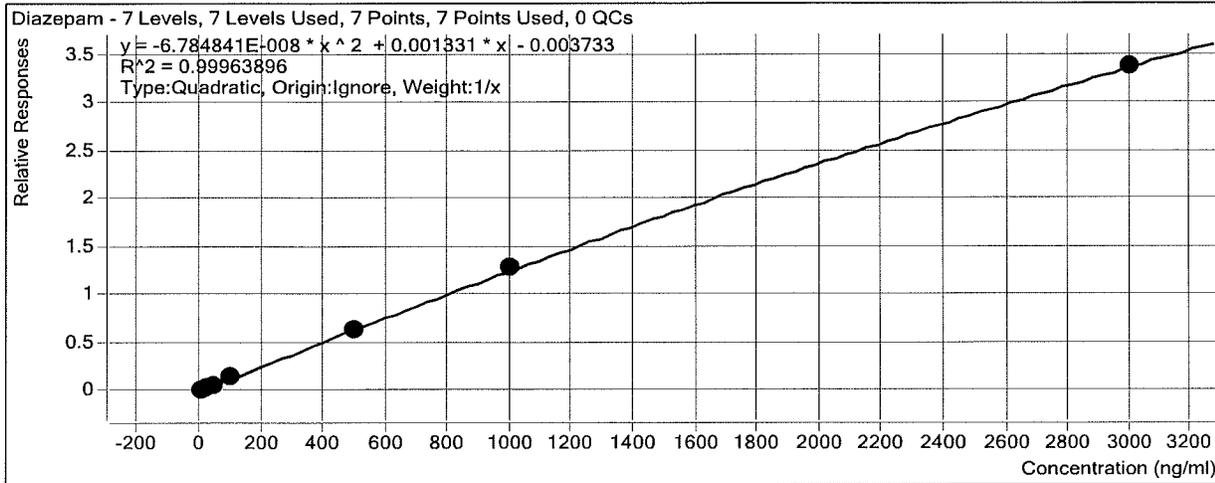
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	101.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.0	95.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	48.7	97.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.3	103.3
500 ng/mL	7	<input type="checkbox"/>	500	508.4	101.7
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1023.1	102.3
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2977.7	99.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin

Last Calib Update 1/18/2017 4:03 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	11.2	112.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.3	93.3
50 ng/mL	5	<input checked="" type="checkbox"/>	50	46.7	93.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.9	101.9
500 ng/mL	7	<input checked="" type="checkbox"/>	500	486.1	97.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1021.6	102.2
3000 ng/mL	9	<input checked="" type="checkbox"/>	3000	2993.9	99.8

ISP FORENSICS - Cd'A Instrument # 62340

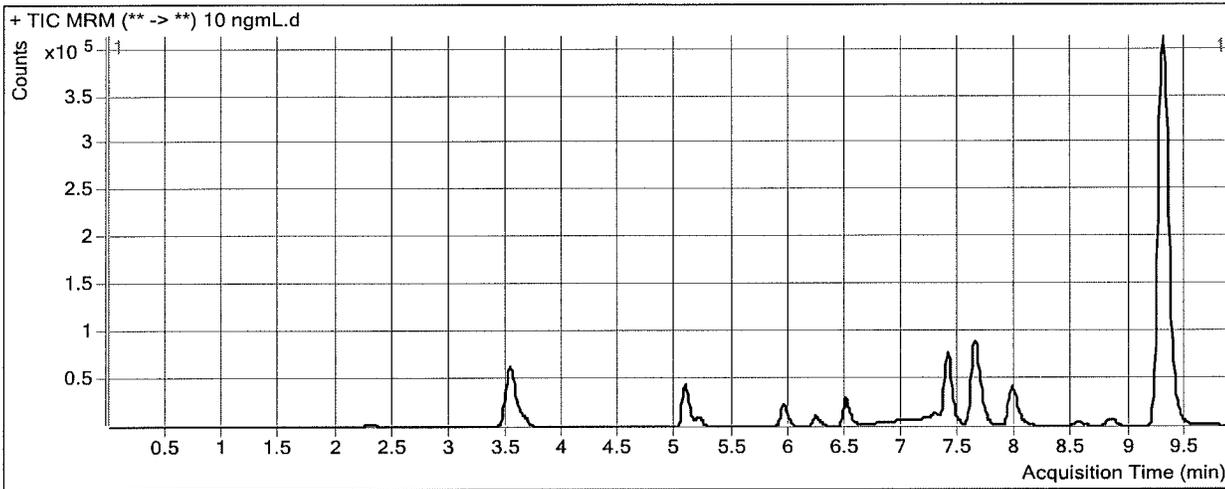
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 11:51 **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 P2-A2 **Sample Info** ppd 1/18/16- 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	2.308	11164	308714	0.0362	8.5560
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.645	27655	308714	0.0896	10.0707
zolpidem	Oxazepam D5 ISTD	5.070	135046	204892	0.6591	9.6214
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.190	31862	77280	0.4123	10.2682
quetiapine	Oxazepam D5 ISTD	5.947	54775	204892	0.2673	9.8007
Midazolam	Clonazepam-D4 ISTD	6.234	33394	162429	0.2056	10.1252
Flurazepam	Diazepam-D5 ISTD	6.488	99009	1443576	0.0686	10.1466
Nitrazepam	Clonazepam-D4 ISTD	7.284	18133	162429	0.1116	10.0248
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.431	1178	211154	0.0056	22.0462
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.480	2888	77280	0.0374	10.4455
Oxazepam	Oxazepam D5 ISTD	7.679	19496	204892	0.0952	9.0789
Nordiazepam	Nordiazepam-D5 ISTD	7.714	13365	77280	0.1729	11.0203
Clonazepam	Clonazepam-D4 ISTD	7.995	12351	162429	0.0760	10.3560
Lorazepam	Oxazepam D5 ISTD	8.043	4816	204892	0.0235	9.3932
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.071	5622	211154	0.0266	10.6702
Flunitrazepam	Clonazepam-D4 ISTD	8.529	20005	162429	0.1232	11.0186
Temazepam	Oxazepam D5 ISTD	8.815	34644	204892	0.1691	10.1812
Diazepam	Diazepam-D5 ISTD	9.394	16168	1443576	0.0112	11.2273

ISP FORENSICS - Cd'A Instrument # 62340

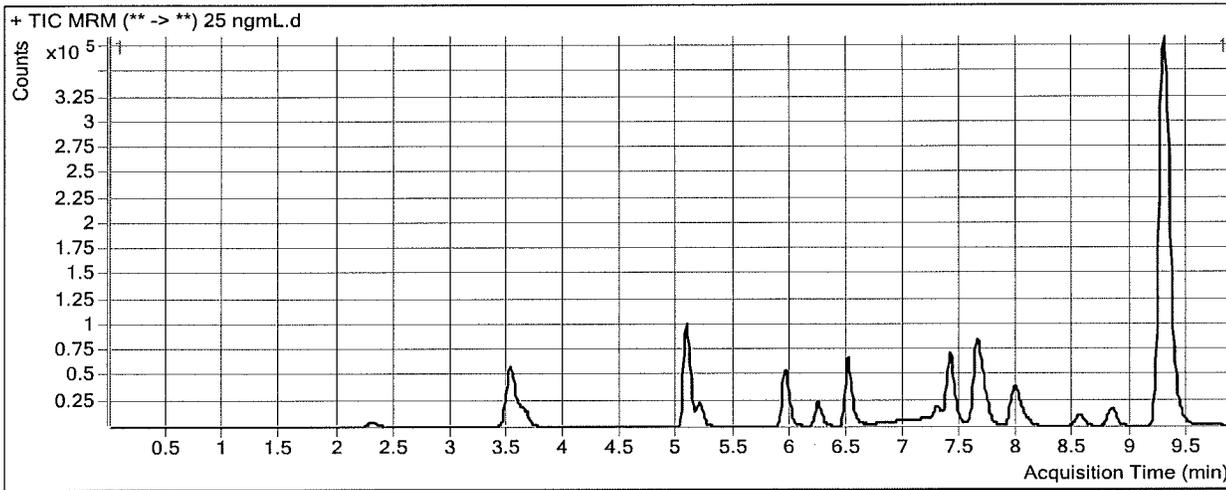
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 12:06 **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 P2-A3 **Sample Info** ppd 1/18/16- 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	2.308	23344	309050	0.0755	23.3712
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.645	61273	309050	0.1983	23.7286
zolpidem	Oxazepam D5 ISTD	5.070	311951	184945	1.6867	26.2085
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.190	73959	72626	1.0184	23.4827
quetiapine	Oxazepam D5 ISTD	5.947	130301	184945	0.7045	25.9391
Midazolam	Clonazepam-D4 ISTD	6.243	75963	145724	0.5213	24.3886
Flurazepam	Diazepam-D5 ISTD	6.496	230337	1335575	0.1725	23.9984
Nitrazepam	Clonazepam-D4 ISTD	7.284	41071	145724	0.2818	23.8959
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.439	2089	217078	0.0096	27.3132
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.488	7515	72626	0.1035	23.4124
Oxazepam	Oxazepam D5 ISTD	7.687	46869	184945	0.2534	24.0577
Nordiazepam	Nordiazepam-D5 ISTD	7.714	29772	72626	0.4099	23.1361
Clonazepam	Clonazepam-D4 ISTD	7.995	27586	145724	0.1893	23.1475
Lorazepam	Oxazepam D5 ISTD	8.034	10828	184945	0.0585	24.1699
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.071	12383	217078	0.0570	22.3445
Flunitrazepam	Clonazepam-D4 ISTD	8.529	46050	145724	0.3160	23.6997
Temazepam	Oxazepam D5 ISTD	8.815	80425	184945	0.4349	23.9735
Diazepam	Diazepam-D5 ISTD	9.394	36432	1335575	0.0273	23.3306

ISP FORENSICS - Cd'A Instrument # 62340

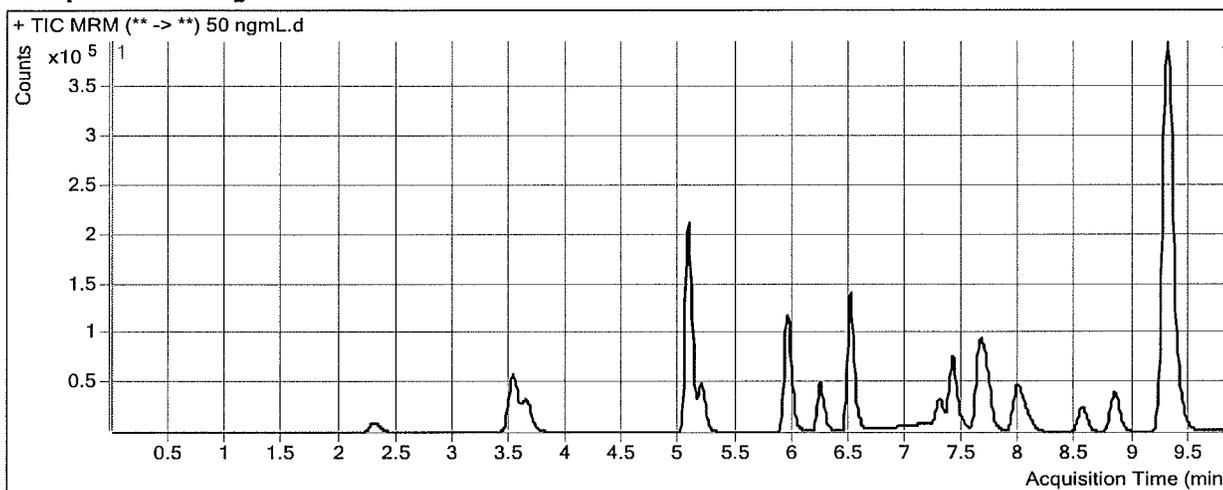
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 12:20 **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 P2-A4 **Sample Info** ppd 1/18/16- 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	2.308	48771	305747	0.1595	55.0471
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.645	124706	305747	0.4079	50.1999
zolpidem	Oxazepam D5 ISTD	5.070	656428	195571	3.3565	53.2586
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.190	157666	75260	2.0949	46.9691
quetiapine	Oxazepam D5 ISTD	5.947	282766	195571	1.4458	53.4750
Midazolam	Clonazepam-D4 ISTD	6.234	160056	153832	1.0405	47.9561
Flurazepam	Diazepam-D5 ISTD	6.496	495030	1367943	0.3619	49.3513
Nitrazepam	Clonazepam-D4 ISTD	7.292	86605	153832	0.5630	46.8397
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.439	6339	219990	0.0288	52.3611
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.488	15342	75260	0.2038	43.0759
Oxazepam	Oxazepam D5 ISTD	7.687	104535	195571	0.5345	50.7092
Nordiazepam	Nordiazepam-D5 ISTD	7.714	64349	75260	0.8550	45.9352
Clonazepam	Clonazepam-D4 ISTD	8.003	64502	153832	0.4193	49.1812
Lorazepam	Oxazepam D5 ISTD	8.043	23776	195571	0.1216	50.7441
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.080	25703	219990	0.1168	45.3547
Flunitrazepam	Clonazepam-D4 ISTD	8.538	103610	153832	0.6735	47.2445
Temazepam	Oxazepam D5 ISTD	8.823	178264	195571	0.9115	48.6871
Diazepam	Diazepam-D5 ISTD	9.394	79683	1367943	0.0583	46.6878

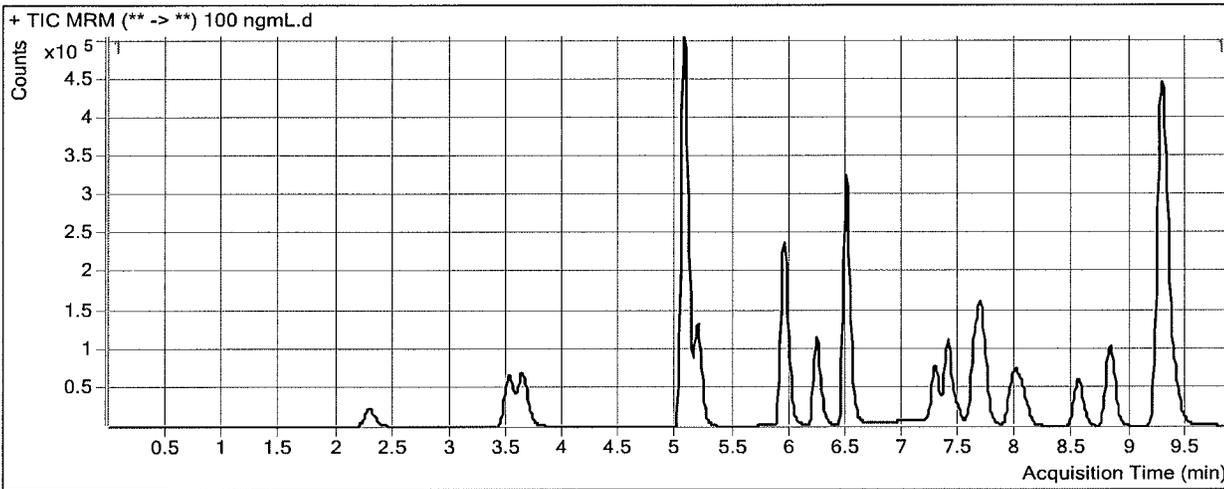
ISP FORENSICS - Cd'A Instrument # 62340
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 12:35 **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 P2-A5 **Sample Info** ppd 1/18/16- 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	110971	352703	0.3146	113.8305
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.637	323405	352703	0.9169	115.2136
zolpidem	Oxazepam D5 ISTD	5.062	1608826	238521	6.7450	108.5344
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.181	427094	86155	4.9573	109.4899
quetiapine	Oxazepam D5 ISTD	5.939	583659	238521	2.4470	91.0136
Midazolam	Clonazepam-D4 ISTD	6.234	393772	171627	2.2943	105.4519
Flurazepam	Diazepam-D5 ISTD	6.488	1195156	1558653	0.7668	103.9663
Nitrazepam	Clonazepam-D4 ISTD	7.275	232100	171627	1.3524	111.4710
alpha-Hydroxyalprazolam	alpha-hydroxyalprazolam-D5 ISTD	7.431	19173	352594	0.0544	85.9068
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.480	45799	86155	0.5316	107.0579
Oxazepam	Oxazepam D5 ISTD	7.679	284143	238521	1.1913	113.2243
Nordiazepam	Nordiazepam-D5 ISTD	7.706	173291	86155	2.0114	105.4504
Clonazepam	Clonazepam-D4 ISTD	7.987	157381	171627	0.9170	105.7879
Lorazepam	Oxazepam D5 ISTD	8.034	60613	238521	0.2541	106.6326
Alprazolam	alpha-hydroxyalprazolam-D5 ISTD	8.063	81249	352594	0.2304	89.2940
Flunitrazepam	Clonazepam-D4 ISTD	8.521	252965	171627	1.4739	100.1219
Temazepam	Oxazepam D5 ISTD	8.807	469297	238521	1.9675	103.3442
Diazepam	Diazepam-D5 ISTD	9.385	204375	1558653	0.1311	101.8645

ISP FORENSICS - Cd'A Instrument # 62340

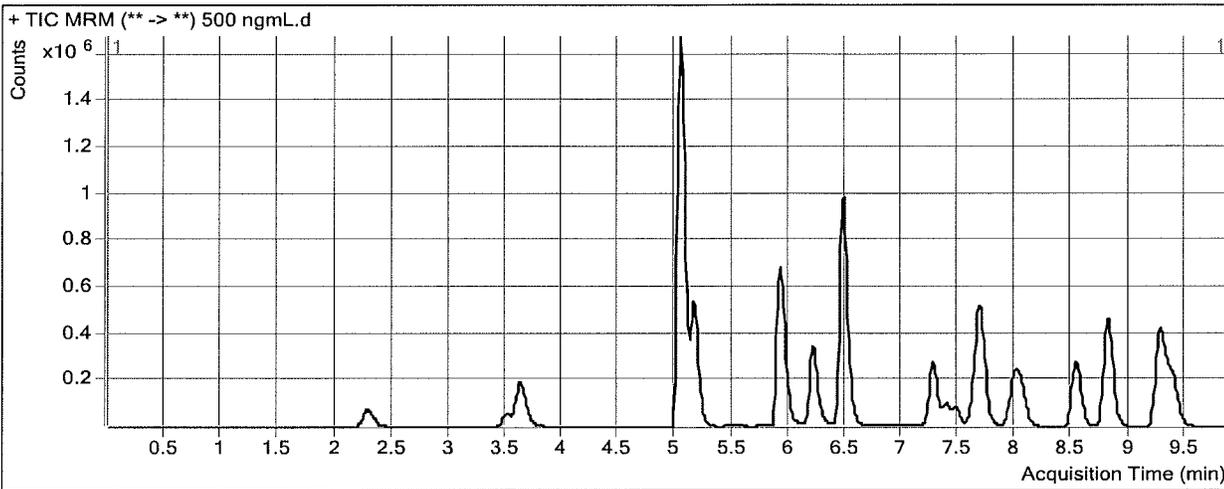
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 12:50 **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 P2-A6 **Sample Info** ppd 1/18/16- 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	391197	304245	1.2858	490.3838
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.628	993016	304245	3.2639	429.6797
zolpidem	Oxazepam D5 ISTD	5.037	5833788	213921	27.2707	455.0895
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.163	1740907	75855	22.9506	505.1140
quetiapine	Oxazepam D5 ISTD	5.922	1965762	213921	9.1892	355.3983
Midazolam	Clonazepam-D4 ISTD	6.209	1214190	160666	7.5572	356.4774
Flurazepam	Diazepam-D5 ISTD	6.463	4025941	1452011	2.7727	383.5506
Nitrazepam	Clonazepam-D4 ISTD	7.267	930350	160666	5.7906	480.8767
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.422	75118	217026	0.3461	484.0260
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.471	205176	75855	2.7049	523.0191
Oxazepam	Oxazepam D5 ISTD	7.670	1057930	213921	4.9454	477.4196
Nordiazepam	Nordiazepam-D5 ISTD	7.697	766754	75855	10.1082	534.2233
Clonazepam	Clonazepam-D4 ISTD	7.979	692611	160666	4.3109	502.3105
Lorazepam	Oxazepam D5 ISTD	8.027	269345	213921	1.2591	530.3824
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.063	317384	217026	1.4624	586.3952
Flunitrazepam	Clonazepam-D4 ISTD	8.521	1212843	160666	7.5488	509.2617
Temazepam	Oxazepam D5 ISTD	8.798	2112311	213921	9.8743	508.4147
Diazepam	Diazepam-D5 ISTD	9.377	910511	1452011	0.6271	486.0537

ISP FORENSICS - Cd'A Instrument # 62340

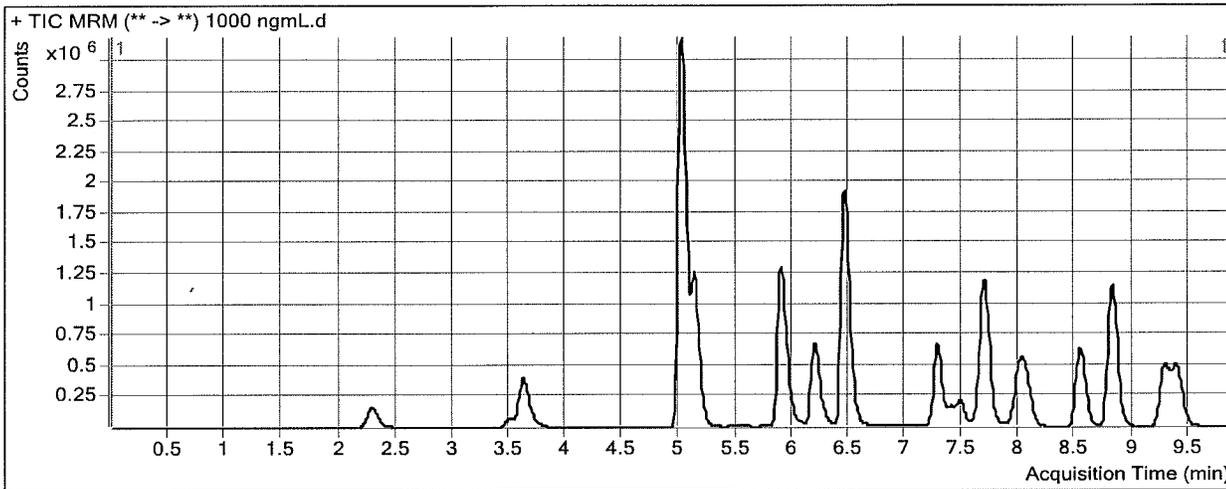
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 13:04 **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 P2-A7 **Sample Info** ppd 1/18/16- 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	896699	357498	2.5083	987.4594
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.628	2135546	357498	5.9736	829.7848
zolpidem	Oxazepam D5 ISTD	5.012	12890952	262845	49.0439	848.0345
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.130	4217506	94366	44.6930	989.3325
quetiapine	Oxazepam D5 ISTD	5.897	4148844	262845	15.7844	637.3966
Midazolam	Clonazepam-D4 ISTD	6.192	2719078	193990	14.0166	689.9695
Flurazepam	Diazepam-D5 ISTD	6.454	8863069	1734728	5.1092	730.9687
Nitrazepam	Clonazepam-D4 ISTD	7.275	2267782	193990	11.6902	988.9234
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.422	220365	307552	0.7165	1038.3371
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.471	532524	94366	5.6432	1064.2645
Oxazepam	Oxazepam D5 ISTD	7.670	2611379	262845	9.9350	981.0986
Nordiazepam	Nordiazepam-D5 ISTD	7.706	1738780	94366	18.4259	999.3158
Clonazepam	Clonazepam-D4 ISTD	7.987	1605137	193990	8.2743	991.4130
Lorazepam	Oxazepam D5 ISTD	8.027	637398	262845	2.4250	1021.9908
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.063	861208	307552	2.8002	1177.4682
Flunitrazepam	Clonazepam-D4 ISTD	8.521	2837003	193990	14.6245	1004.6657
Temazepam	Oxazepam D5 ISTD	8.807	5289704	262845	20.1248	1023.0928
Diazepam	Diazepam-D5 ISTD	9.385	2229125	1734728	1.2850	1021.6142

ISP FORENSICS - Cd'A Instrument # 62340

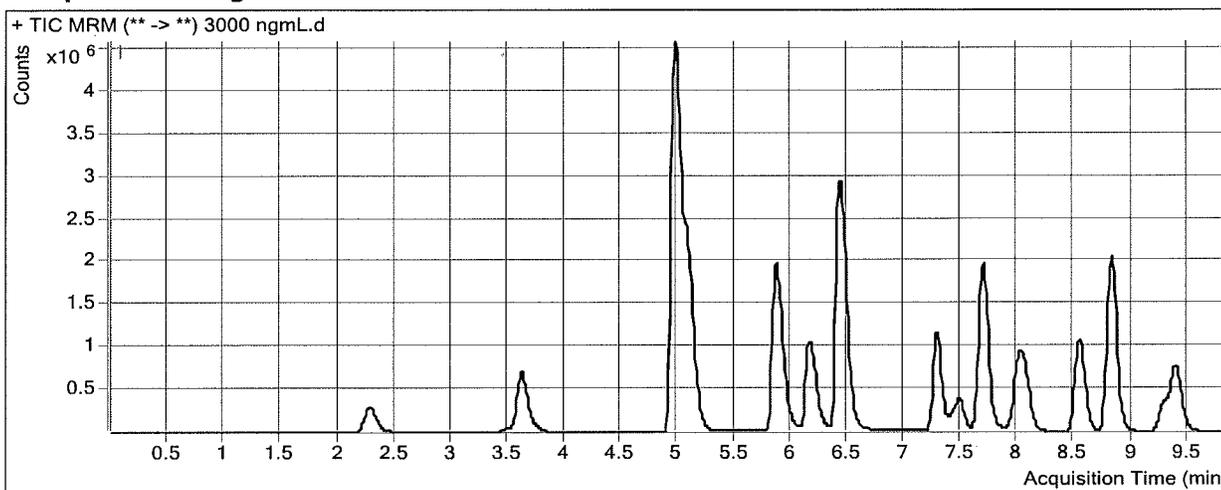
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-18-17a urine benz\QuantResults\1-18-17 Urine Benz.batch.bin
Analysis Time 1/18/2017 4:03 PM **Analyst Name** ISP Tox
Report Time 1/18/2017 4:07 PM **Reporter Name** ISP Tox
Last Calib Update 1/18/2017 4:03 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-18 13:19 **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 P2-A8 **Sample Info** ppd 1/18/16- 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	1642705	242362	6.7779	3006.8809
7-Aminoflunitrazepam	ISTD	3.620	3797268	242362	15.6677	3193.8326
zolpidem	Oxazepam D5 ISTD	4.970	23367858	155994	149.7995	3332.4469
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.098	7887686	59899	131.6820	3000.1493
quetiapine	Oxazepam D5 ISTD	5.872	7329676	155994	46.9868	3032.1124
Midazolam	Clonazepam-D4 ISTD	6.167	5184720	123395	42.0171	2989.3477
Flurazepam	Diazepam-D5 ISTD	6.421	18075062	1122738	16.0991	2994.4189
Nitrazepam	Clonazepam-D4 ISTD	7.275	4042443	123395	32.7601	3003.9952
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.431	466517	276621	1.6865	2983.8463
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.480	1000405	59899	16.7014	2925.6120
Oxazepam	Oxazepam D5 ISTD	7.679	4310724	155994	27.6339	3007.2121
Nordiazepam	Nordiazepam-D5 ISTD	7.706	2916505	59899	48.6900	3000.1551
Clonazepam	Clonazepam-D4 ISTD	7.987	2713269	123395	21.9884	3003.0773
Lorazepam	Oxazepam D5 ISTD	8.034	1099730	155994	7.0498	2972.0694
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.071	1523159	276621	5.5063	2633.3240
Flunitrazepam	Clonazepam-D4 ISTD	8.529	4935284	123395	39.9957	2998.1718
Temazepam	Oxazepam D5 ISTD	8.815	9536837	155994	61.1358	2977.6567
Diazepam	Diazepam-D5 ISTD	9.385	3786230	1122738	3.3723	2993.8777