









**Worklist: 1777**

*B. Wylee*

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u>        |   |
|-----------------|-------------|----------------|---------------------------|---|
| C2017-0979      | 1           | 88048          | AM 13 Urine LCMS-QQQ Benz |  |
| C2017-1020      | 1           | 88047          | AM 13 Urine LCMS-QQQ Benz |  |
| C2017-1103      | 3           | 88050          | AM 13 Urine LCMS-QQQ Benz |  |
| C2017-1112      | 1           | 88051          | AM 13 Urine LCMS-QQQ Benz |  |
| M2017-1797      | 3           | 88097          | AM 13 Urine LCMS-QQQ Benz |  |
| M2017-2126      | 3           | 86262          | AM 13 Urine LCMS-QQQ Benz |  |
| M2017-2147      | 2           | 88052          | AM 13 Urine LCMS-QQQ Benz |  |
| M2017-2290      | 3           | 88049          | AM 13 Urine LCMS-QQQ Benz |  |



# ISP FORENSICS - Cd'A Instrument # 62340

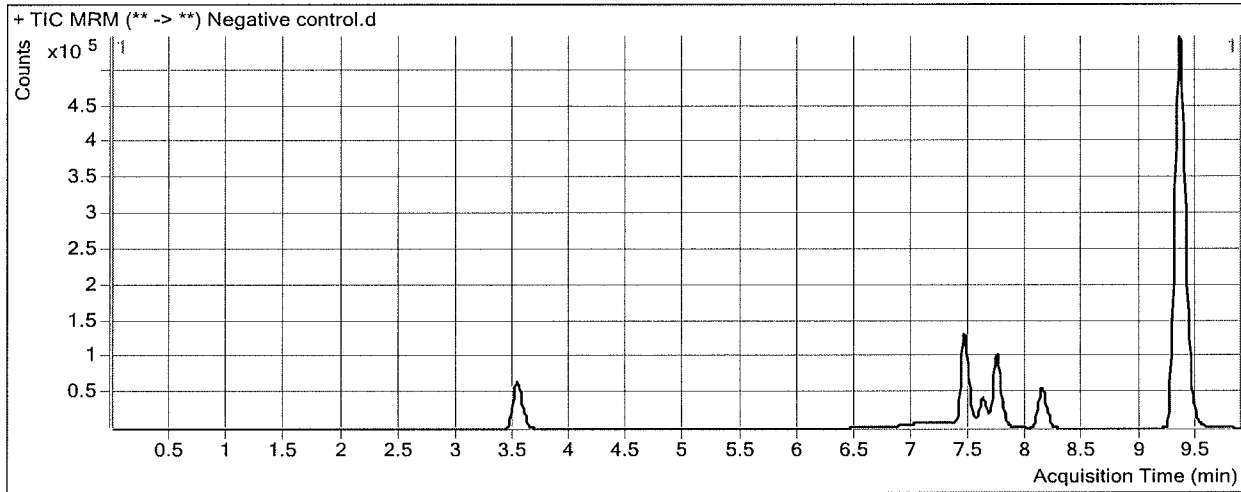
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-06-21 13:54 **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

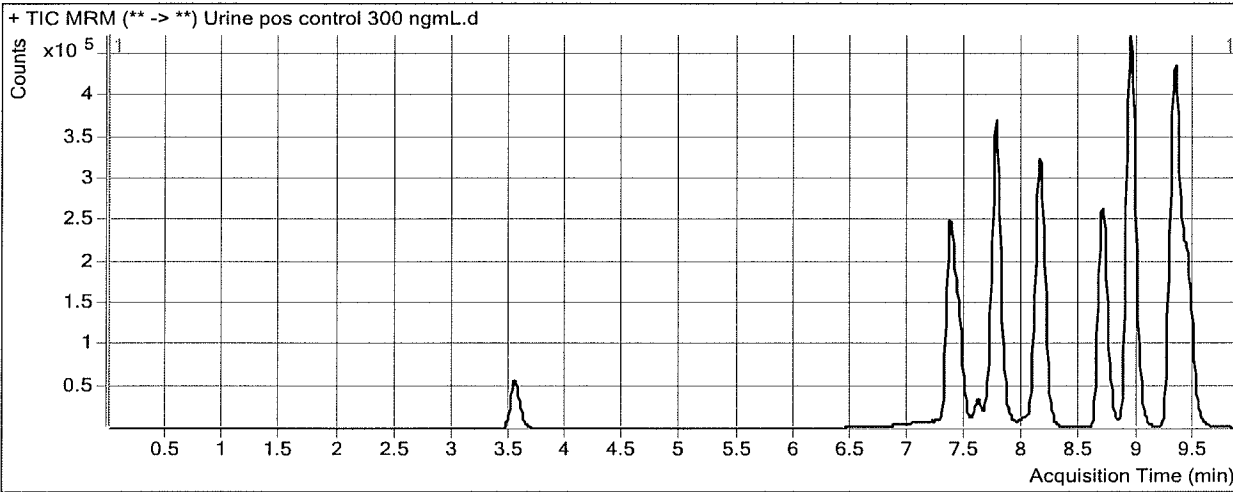
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-06-21 14:08 **Data File** Urine pos control 300 ng/mL.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             | 7.359 | 839812   | 154314    | 5.4422     | 475.6942   |
| Nordiazepam   | Nordiazepam-D5 ISTD            | 7.756 | 2915     | 86252     | 0.0338     | 6.1139     |
| Oxazepam      | Oxazepam D5 ISTD               | 7.763 | 1113646  | 252688    | 4.4072     | 473.5064   |
| Clonazepam    | Clonazepam-D4 ISTD             | 8.137 | 654185   | 154314    | 4.2393     | 545.8259   |
| Lorazepam     | Oxazepam D5 ISTD               | 8.135 | 254835   | 252688    | 1.0085     | 456.4310   |
| Alprazolam    | alphahydroxyalprazolam-D5 ISTD | 8.113 | 389154   | 384294    | 1.0126     | 493.3177   |
| Flunitrazepam | Clonazepam-D4 ISTD             | 8.679 | 1158318  | 154314    | 7.5062     | 487.3453   |
| Temazepam     | Oxazepam D5 ISTD               | 8.932 | 2184272  | 252688    | 8.6442     | 451.7700   |
| Diazepam      | Diazepam-D5 ISTD               | 9.435 | 780269   | 1396461   | 0.5587     | 449.8445   |

# ISP FORENSICS - Cd'A Instrument # 62340

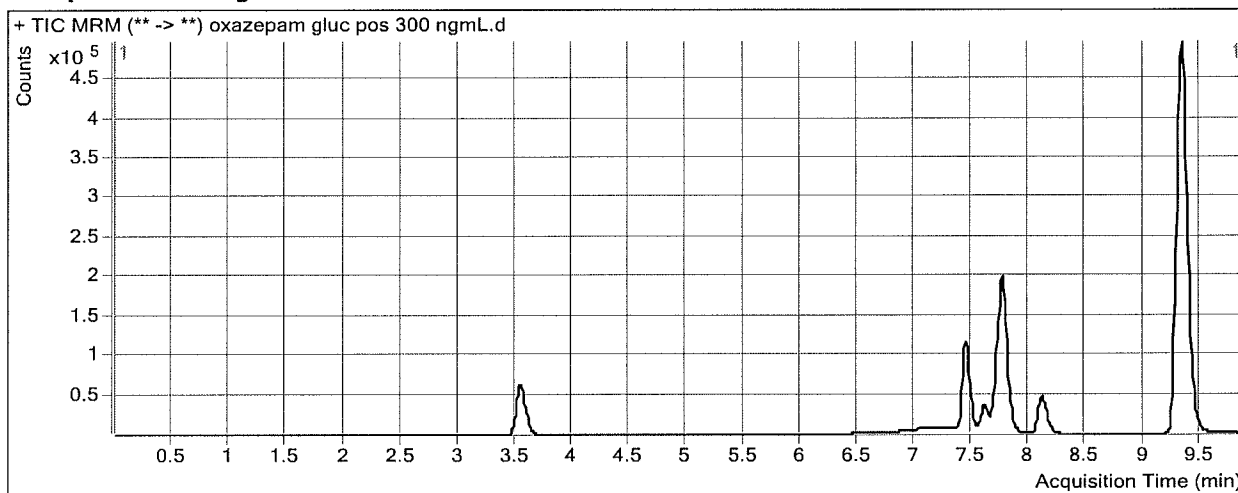
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

|                    |                  |                    |   |
|--------------------|------------------|--------------------|---|
| <b>Acq Time</b>    | 2017-06-21 13:39 | <b>Data File</b>   | oxazepam gluc pos 300 ng/mL.d                                 |
| <b>Sample Type</b> | Sample           | <b>Sample Name</b> | oxazepam gluc pos 300 ng/mL                                   |
| <b>Dilution</b>    | 1                | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP 2016.m                              |
| <b>Position</b>    | P1-B2            | <b>Sample Info</b> | Oxazepam Glucuronide WS lot 51018 in 42617 with glucuronidase |
| <b>Inj Vol</b>     | -1               | <b>Comment</b>     | AM 13 Benzo and Z by LCQQQ                                    |

### Sample Chromatogram



### Results

| Compound    | ISTD Compound       | RT    | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|---------------------|-------|----------|-----------|------------|------------|
| Nordiazepam | Nordiazepam-D5 ISTD | 7.781 | 1657     | 93094     | 0.0178     | 5.2266     |
| Oxazepam    | Oxazepam D5 ISTD    | 7.763 | 522543   | 292737    | 1.7850     | 200.8073   |

# ISP FORENSICS - Cd'A Instrument # 62340

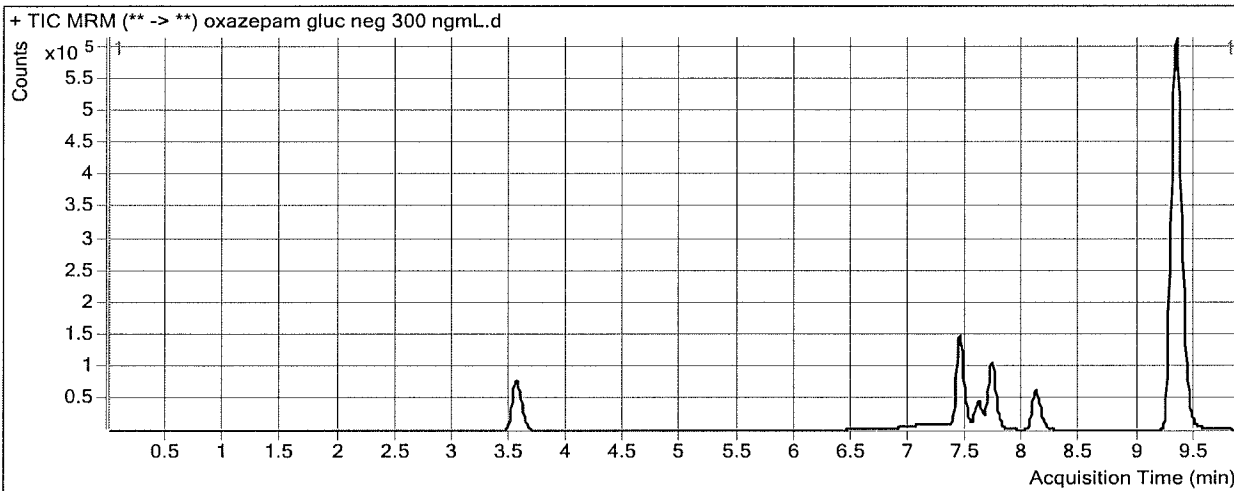
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-06-21 13:24 **Data File** oxazepam gluc neg 300 ngmL.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 51018 in 42617 without glucuronidase  
**Inj Vol** -1 **Comment** AM 13 Benzo and Z by LCQQQ

### Sample Chromatogram



### Results

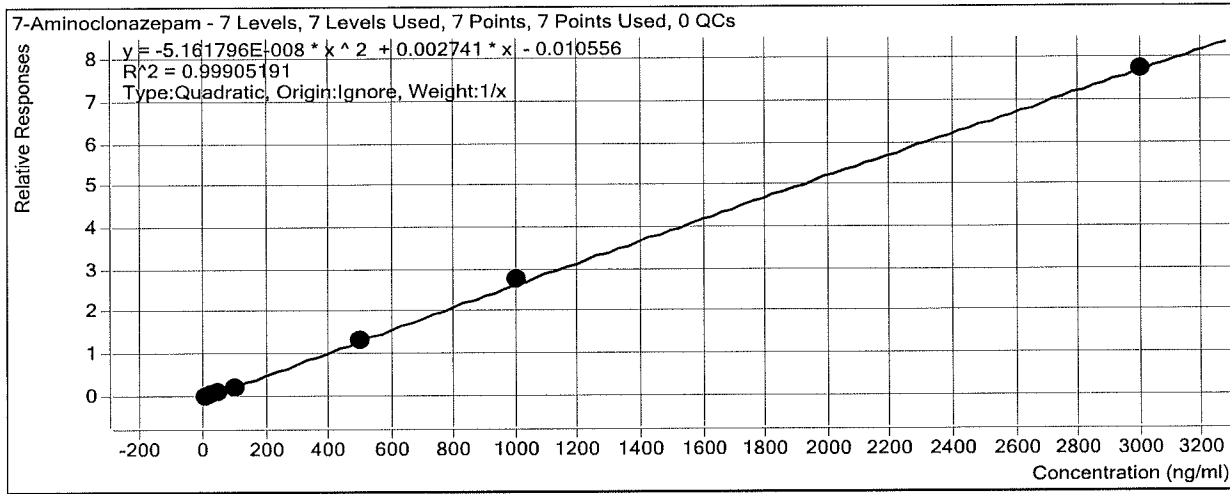
| Compound   | ISTD Compound    | RT    | Response | ISTD Resp | Resp Ratio | Final Conc |
|------------|------------------|-------|----------|-----------|------------|------------|
| Flurazepam | Diazepam-D5 ISTD | 6.521 | 1700     | 2009407   | 0.0008     | 2.3735     |
| Oxazepam   | Oxazepam D5 ISTD | 7.763 | 3664     | 338110    | 0.0108     | 4.8357     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



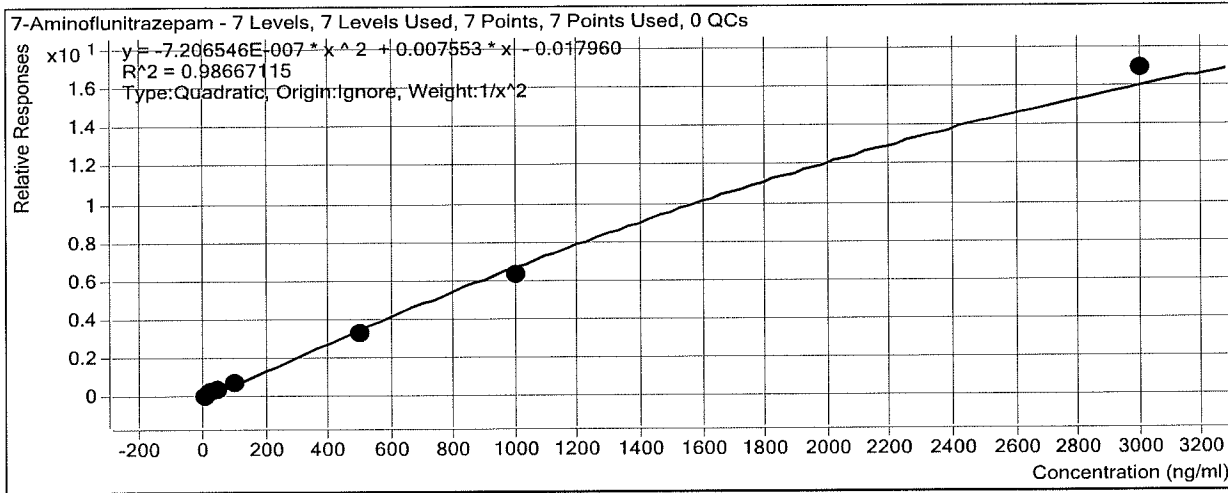
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.9        | 99.3     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 28.3       | 113.3    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 50.5       | 100.9    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 86.4       | 86.4     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 484.8      | 97.0     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1034.1     | 103.4    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2991.0     | 99.7     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



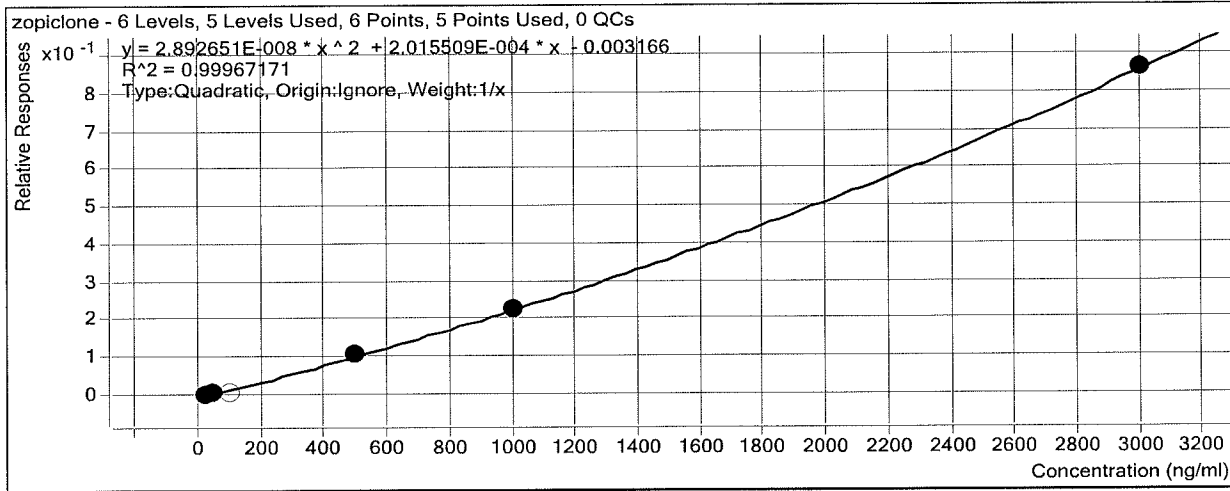
| Sample    | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|-----------|-------|-------------------------------------|----------|------------|----------|
| 10 ngmL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.3        | 93.0     |
| 25 ngmL   | 4     | <input checked="" type="checkbox"/> | 25       | 28.7       | 114.9    |
| 50 ngmL   | 5     | <input checked="" type="checkbox"/> | 50       | 54.5       | 109.1    |
| 100 ngmL  | 6     | <input checked="" type="checkbox"/> | 100      | 94.5       | 94.5     |
| 500 ngmL  | 7     | <input checked="" type="checkbox"/> | 500      | 450.8      | 90.2     |
| 1000 ngmL | 8     | <input checked="" type="checkbox"/> | 1000     | 928.3      | 92.8     |
| 3000 ngmL | 9     | <input checked="" type="checkbox"/> | 3000     | 3250.6     | 108.4    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 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       | 0.0        | 0.0      |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 29.4       | 117.5    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 41.0       | 81.9     |
| 100 ng/mL  | 6     | <input type="checkbox"/>            | 100      | 46.7       | 46.7     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 500.5      | 100.1    |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1004.8     | 100.5    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2998.9     | 100.0    |

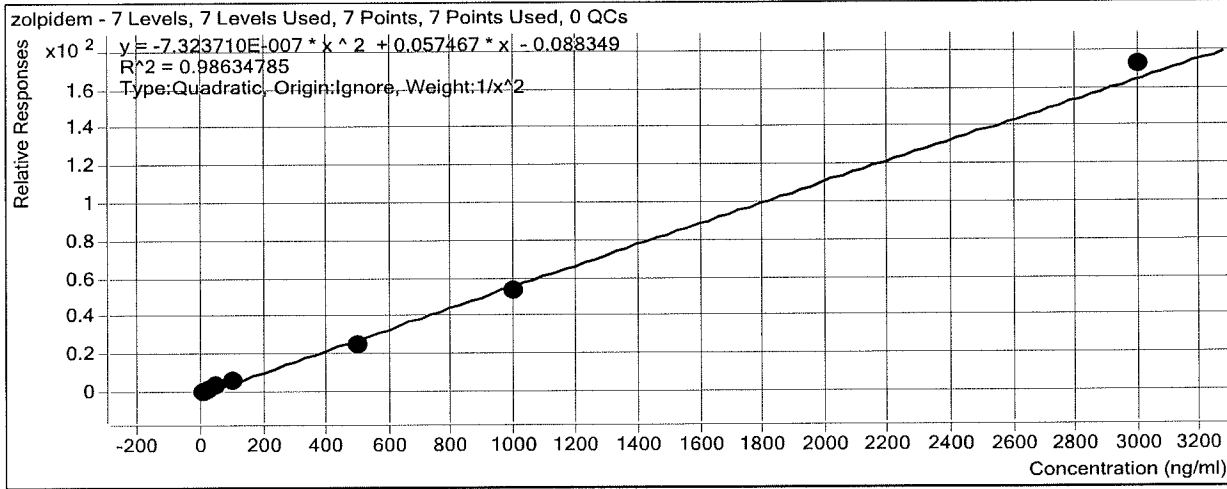


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



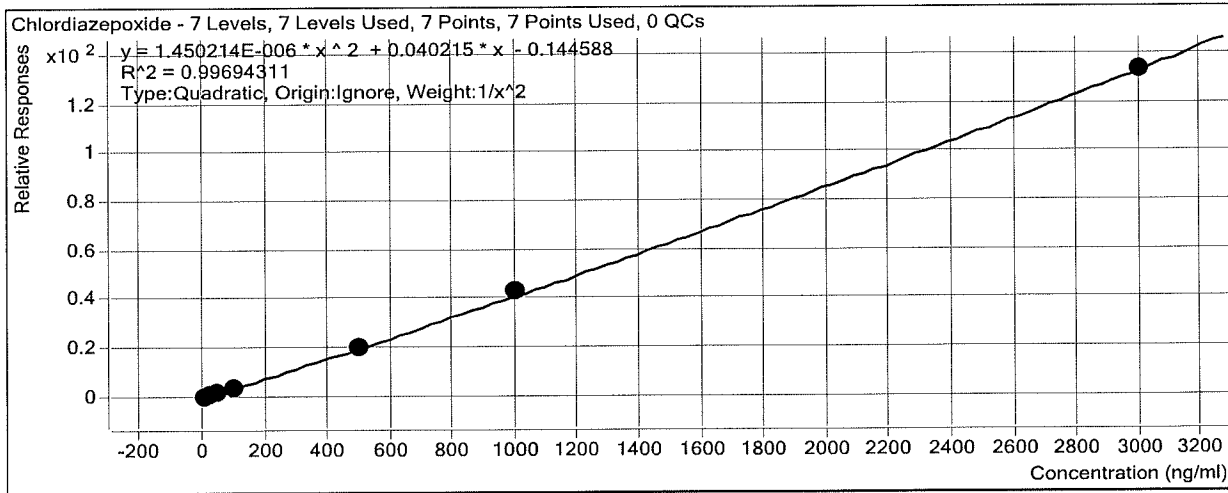
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.2        | 92.1     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 29.5       | 117.9    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 53.3       | 106.6    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 96.9       | 96.9     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 444.3      | 88.9     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 935.4      | 93.5     |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 3123.7     | 104.1    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



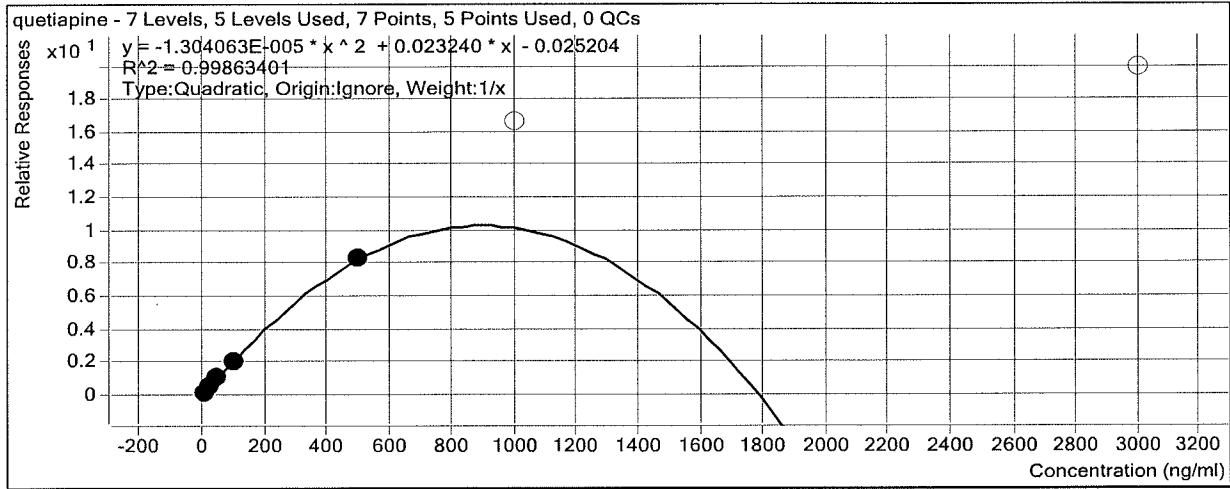
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.7        | 96.9     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 27.3       | 109.1    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 50.1       | 100.3    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 94.0       | 94.0     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 485.6      | 97.1     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1028.9     | 102.9    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2990.0     | 99.7     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



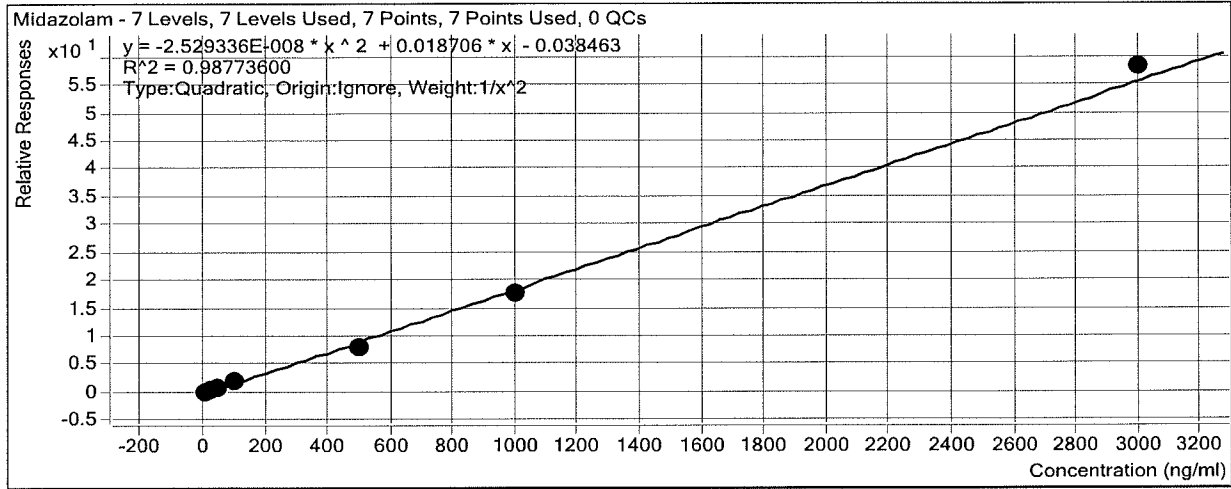
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.2        | 91.7     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 27.0       | 108.0    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 52.1       | 104.2    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 96.1       | 96.1     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 501.0      | 100.2    |
| 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\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



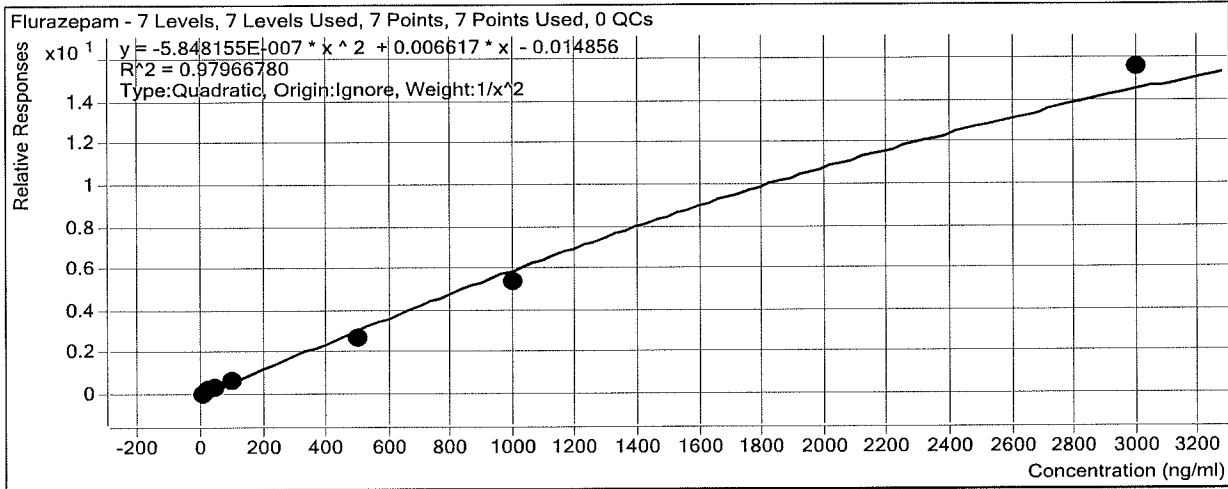
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.3        | 93.3     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 28.4       | 113.5    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 53.3       | 106.6    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 103.2      | 103.2    |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 423.3      | 84.7     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 947.2      | 94.7     |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 3121.1     | 104.0    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



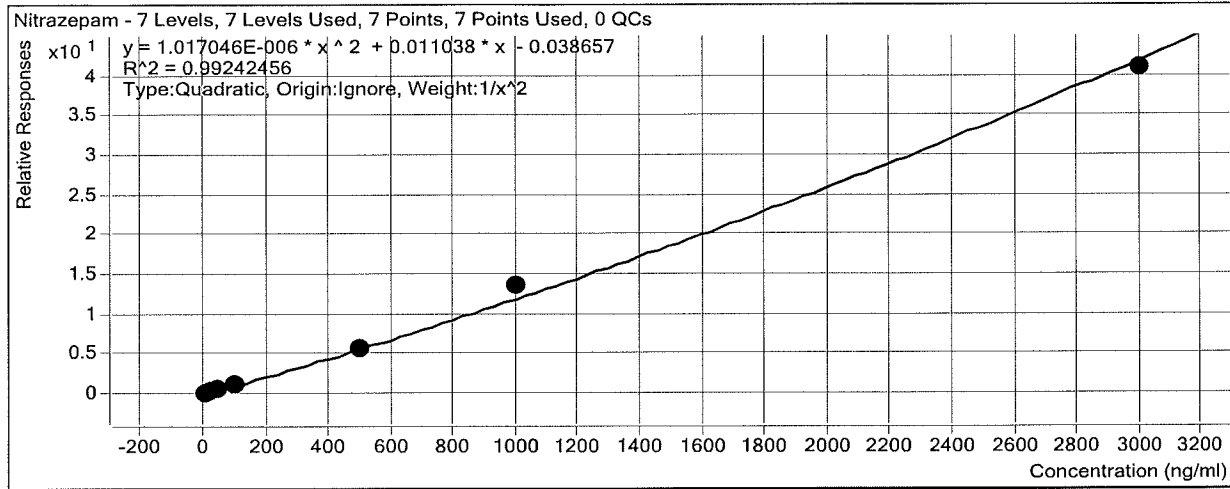
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.1        | 91.1     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 29.9       | 119.7    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 53.7       | 107.3    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 98.9       | 98.9     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 429.7      | 85.9     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 893.0      | 89.3     |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 3334.2     | 111.1    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



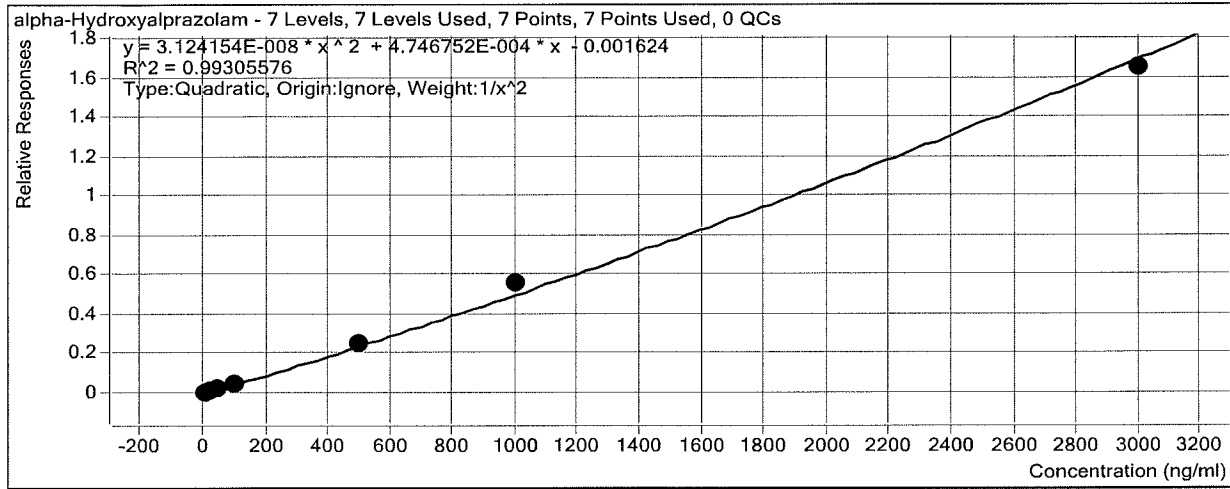
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.9        | 98.5     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.9       | 107.7    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 48.5       | 97.0     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 89.0       | 89.0     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 489.6      | 97.9     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1118.2     | 111.8    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2923.0     | 97.4     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



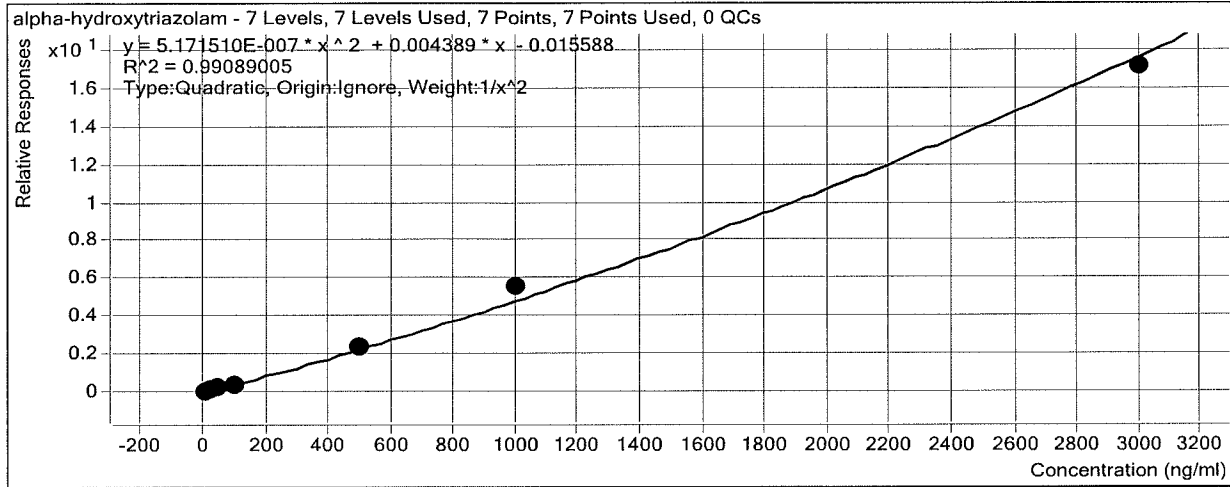
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.1       | 100.7    |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.2       | 104.7    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 43.4       | 86.7     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 99.1       | 99.1     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 503.2      | 100.6    |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1105.3     | 110.5    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2915.8     | 97.2     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 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       | 10.0       | 99.6     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.9       | 107.5    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 46.3       | 92.6     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 87.4       | 87.4     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 517.1      | 103.4    |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1115.6     | 111.6    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2912.4     | 97.1     |

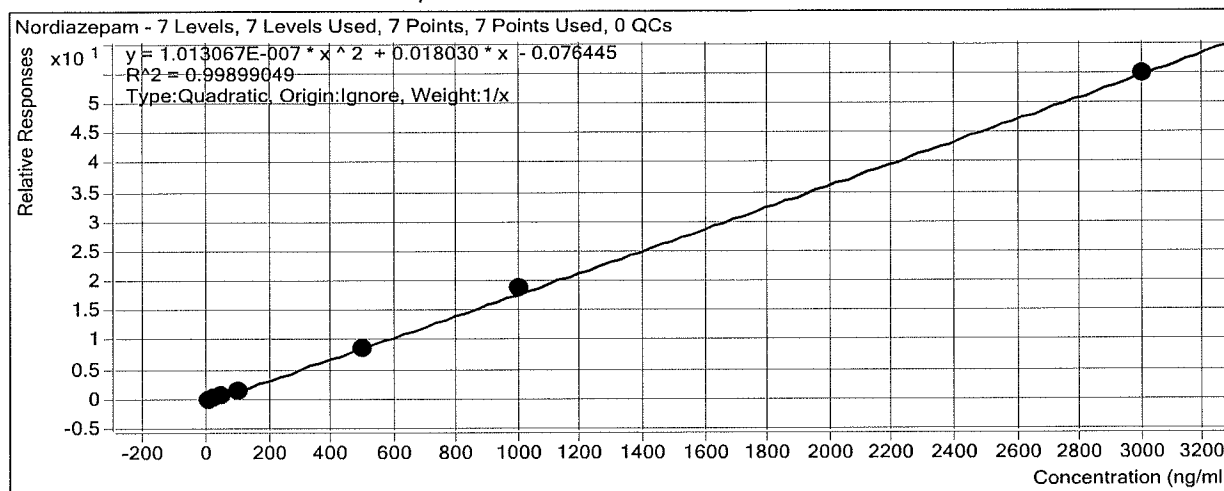


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



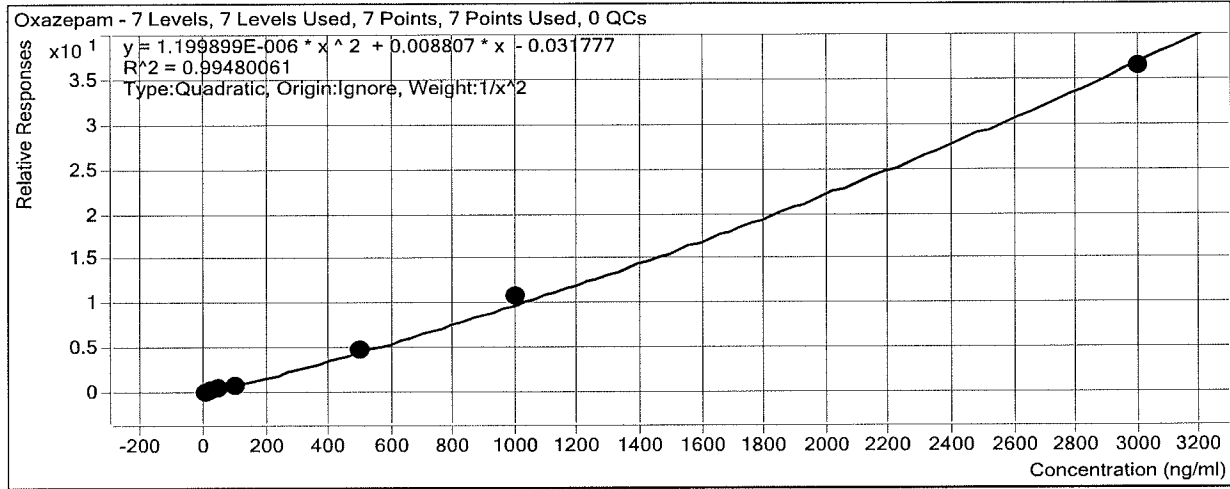
| Sample    | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|-----------|-------|-------------------------------------|----------|------------|----------|
| 10 ngmL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.4       | 104.3    |
| 25 ngmL   | 4     | <input checked="" type="checkbox"/> | 25       | 27.1       | 108.5    |
| 50 ngmL   | 5     | <input checked="" type="checkbox"/> | 50       | 49.5       | 99.0     |
| 100 ngmL  | 6     | <input checked="" type="checkbox"/> | 100      | 89.2       | 89.2     |
| 500 ngmL  | 7     | <input checked="" type="checkbox"/> | 500      | 475.2      | 95.0     |
| 1000 ngmL | 8     | <input checked="" type="checkbox"/> | 1000     | 1043.3     | 104.3    |
| 3000 ngmL | 9     | <input checked="" type="checkbox"/> | 3000     | 2990.2     | 99.7     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



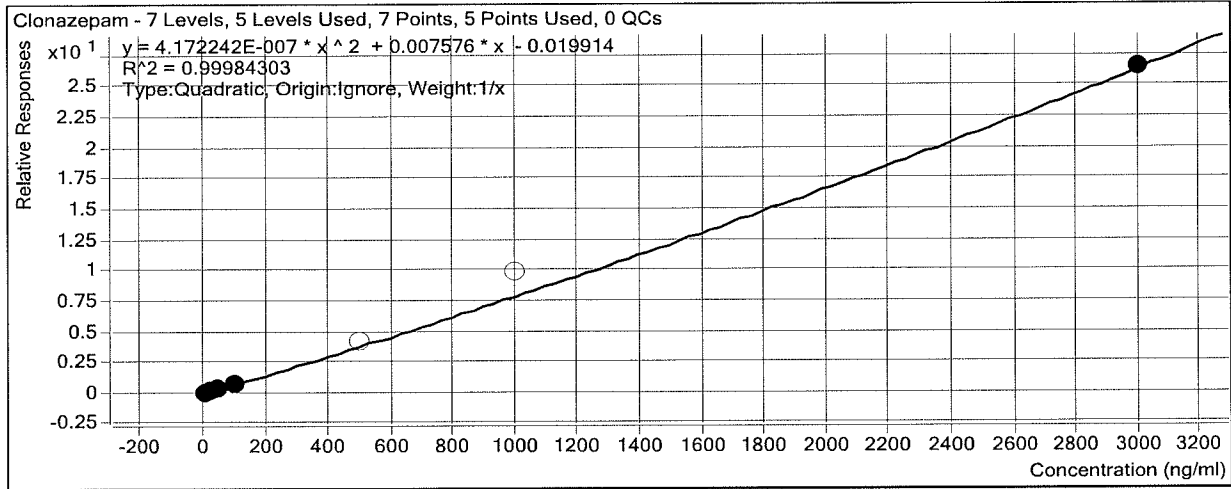
| Sample    | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|-----------|-------|-------------------------------------|----------|------------|----------|
| 10 ngmL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.8        | 98.2     |
| 25 ngmL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.8       | 107.2    |
| 50 ngmL   | 5     | <input checked="" type="checkbox"/> | 50       | 50.2       | 100.3    |
| 100 ngmL  | 6     | <input checked="" type="checkbox"/> | 100      | 87.9       | 87.9     |
| 500 ngmL  | 7     | <input checked="" type="checkbox"/> | 500      | 498.8      | 99.8     |
| 1000 ngmL | 8     | <input checked="" type="checkbox"/> | 1000     | 1075.5     | 107.6    |
| 3000 ngmL | 9     | <input checked="" type="checkbox"/> | 3000     | 2953.1     | 98.4     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM      **Analyst Name** ISP TOX

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



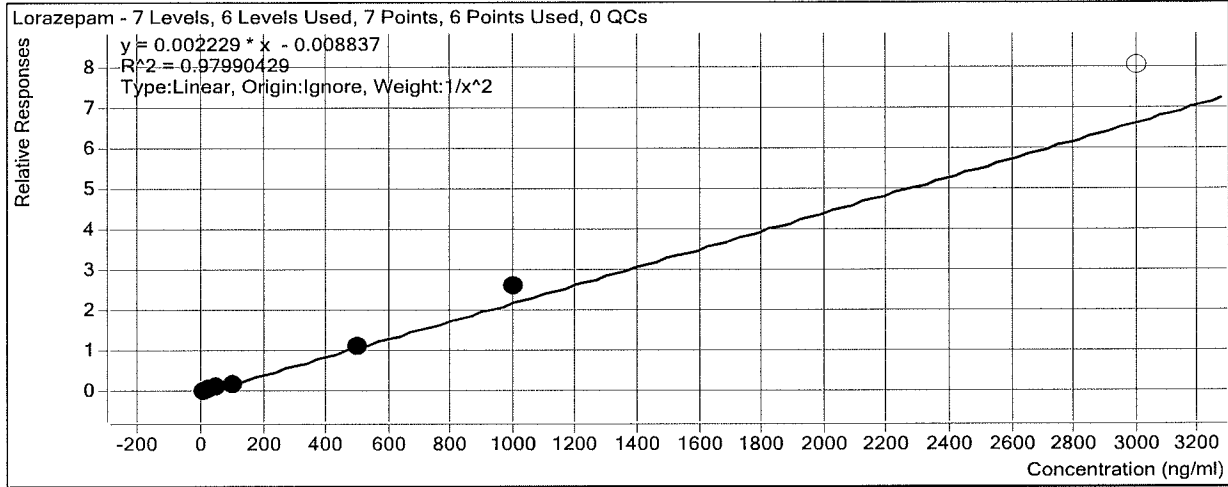
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.0        | 89.7     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 27.1       | 108.3    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 53.0       | 106.1    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 95.8       | 95.8     |
| 500 ng/mL  | 7     | <input type="checkbox"/>            | 500      | 540.5      | 108.1    |
| 1000 ng/mL | 8     | <input type="checkbox"/>            | 1000     | 1213.0     | 121.3    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 3000.1     | 100.0    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



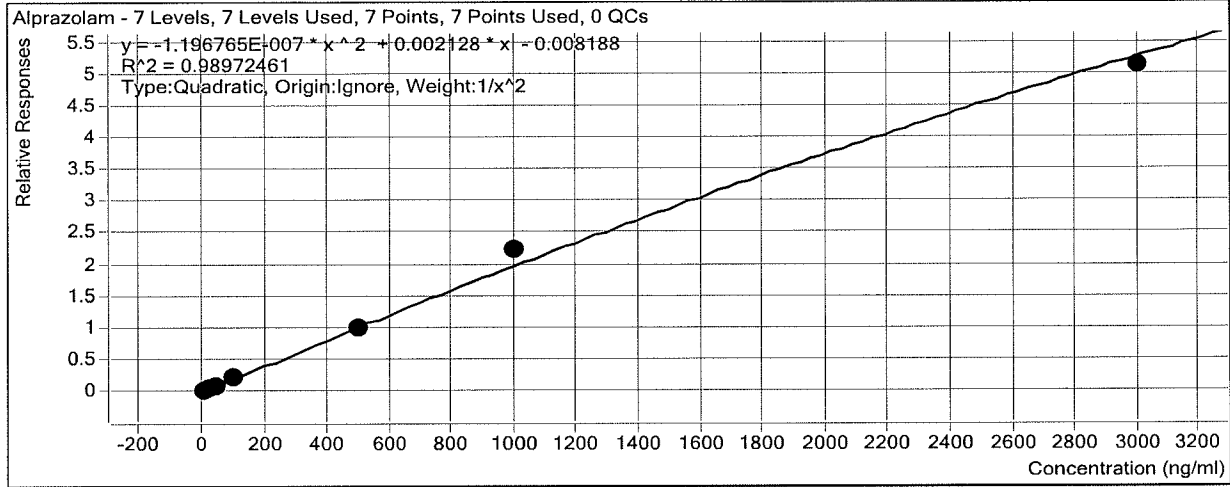
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.0       | 100.2    |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.6       | 106.2    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 47.8       | 95.7     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 80.2       | 80.2     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 505.9      | 101.2    |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1165.3     | 116.5    |
| 3000 ng/mL | 9     | <input type="checkbox"/>            | 3000     | 3613.2     | 120.4    |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



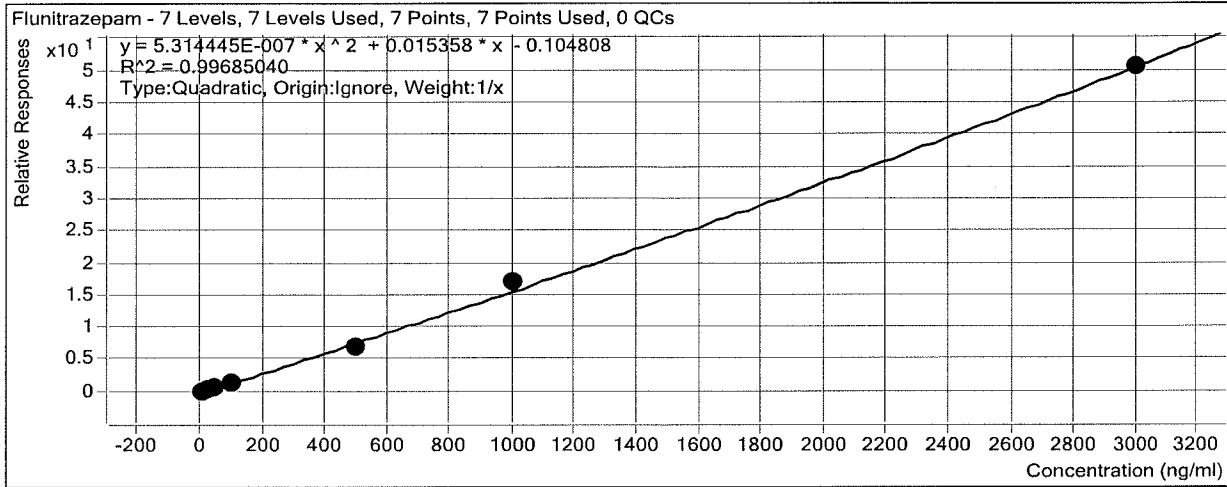
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.0       | 100.1    |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.5       | 105.9    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 42.5       | 84.9     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 105.8      | 105.8    |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 478.5      | 95.7     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1115.0     | 111.5    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2879.5     | 96.0     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM **Analyst Name** ISP TOX

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



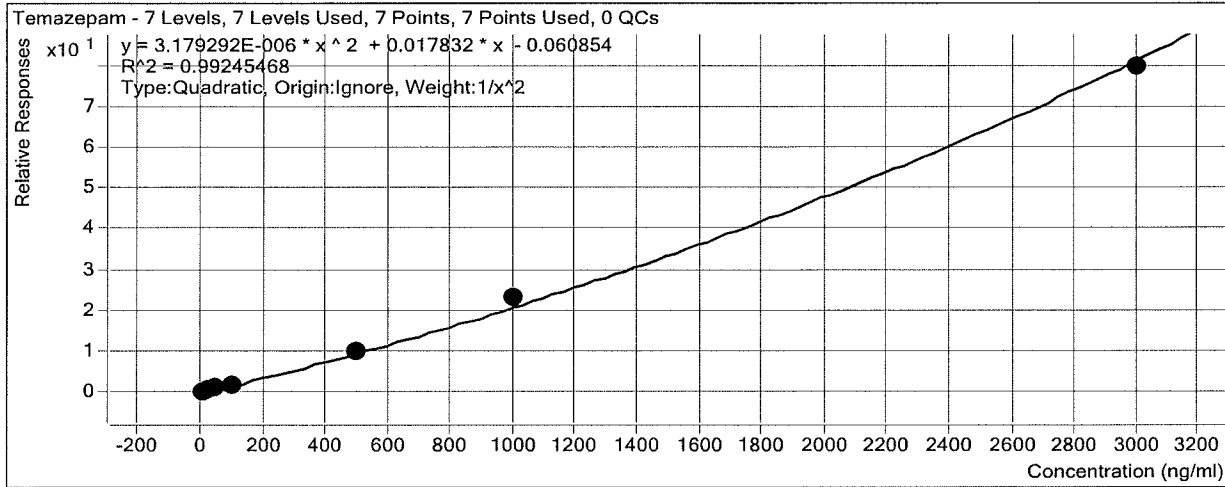
| Sample    | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|-----------|-------|-------------------------------------|----------|------------|----------|
| 10 ngmL   | 2     | <input checked="" type="checkbox"/> | 10       | 11.9       | 119.1    |
| 25 ngmL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.5       | 106.0    |
| 50 ngmL   | 5     | <input checked="" type="checkbox"/> | 50       | 46.7       | 93.4     |
| 100 ngmL  | 6     | <input checked="" type="checkbox"/> | 100      | 83.6       | 83.6     |
| 500 ngmL  | 7     | <input checked="" type="checkbox"/> | 500      | 451.0      | 90.2     |
| 1000 ngmL | 8     | <input checked="" type="checkbox"/> | 1000     | 1081.1     | 108.1    |
| 3000 ngmL | 9     | <input checked="" type="checkbox"/> | 3000     | 2983.5     | 99.4     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 AM      **Analyst Name** ISP TOX

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



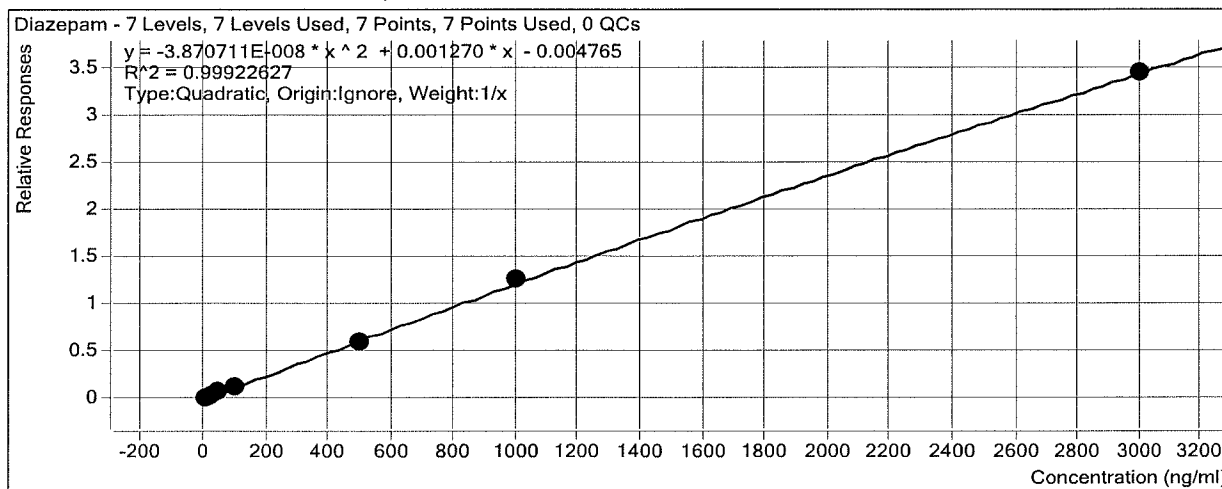
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.9        | 98.8     |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 26.9       | 107.8    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 48.6       | 97.2     |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 85.2       | 85.2     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 513.4      | 102.7    |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1091.9     | 109.2    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2938.3     | 97.9     |

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin

**Last Calib Update** 6/22/2017 8:24 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       | 10.2       | 101.9    |
| 25 ng/mL   | 4     | <input checked="" type="checkbox"/> | 25       | 27.4       | 109.4    |
| 50 ng/mL   | 5     | <input checked="" type="checkbox"/> | 50       | 50.3       | 100.5    |
| 100 ng/mL  | 6     | <input checked="" type="checkbox"/> | 100      | 88.1       | 88.1     |
| 500 ng/mL  | 7     | <input checked="" type="checkbox"/> | 500      | 485.7      | 97.1     |
| 1000 ng/mL | 8     | <input checked="" type="checkbox"/> | 1000     | 1032.3     | 103.2    |
| 3000 ng/mL | 9     | <input checked="" type="checkbox"/> | 3000     | 2990.9     | 99.7     |



# ISP FORENSICS - Cd'A Instrument # 62340

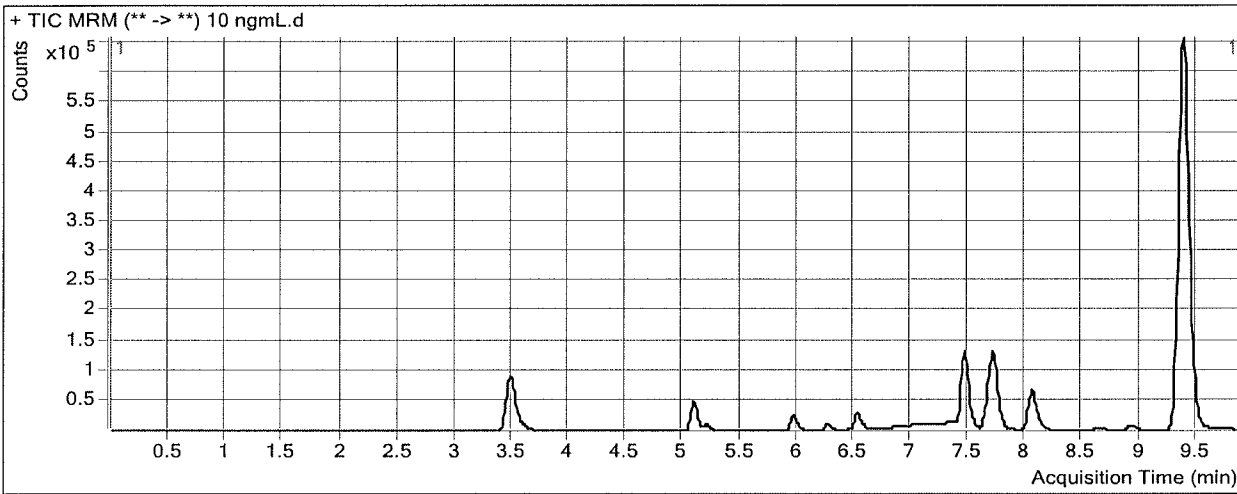
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** #VALUE! **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 6/21/17- 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<br>ISTD   | 2.250 | 7090     | 425607    | 0.0167     | 9.9311     |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7<br>ISTD   | 3.612 | 22231    | 425607    | 0.0522     | 9.3021     |
| zolpidem                | Oxazepam D5 ISTD                  | 5.087 | 143432   | 325293    | 0.4409     | 9.2113     |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 5.198 | 30215    | 123172    | 0.2453     | 9.6919     |
| quetiapine              | Oxazepam D5 ISTD                  | 5.964 | 60732    | 325293    | 0.1867     | 9.1651     |
| Midazolam               | Clonazepam-D4 ISTD                | 6.266 | 34943    | 256793    | 0.1361     | 9.3307     |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.521 | 97616    | 2150251   | 0.0454     | 9.1136     |
| Nitrazepam              | Clonazepam-D4 ISTD                | 7.343 | 18031    | 256793    | 0.0702     | 9.8544     |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 7.515 | 1129     | 357316    | 0.0032     | 10.0739    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 7.547 | 3469     | 123172    | 0.0282     | 9.9570     |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.756 | 13749    | 123172    | 0.1116     | 10.4299    |
| Oxazepam                | Oxazepam D5 ISTD                  | 7.754 | 17827    | 325293    | 0.0548     | 9.8183     |
| Clonazepam              | Clonazepam-D4 ISTD                | 8.086 | 12349    | 256793    | 0.0481     | 8.9720     |
| Lorazepam               | Oxazepam D5 ISTD                  | 8.127 | 4387     | 325293    | 0.0135     | 10.0157    |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 8.155 | 4681     | 357316    | 0.0131     | 10.0082    |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 8.630 | 20083    | 256793    | 0.0782     | 11.9114    |
| Temazepam               | Oxazepam D5 ISTD                  | 8.915 | 37615    | 325293    | 0.1156     | 9.8796     |
| Diazepam                | Diazepam-D5 ISTD                  | 9.485 | 17570    | 2150251   | 0.0082     | 10.1885    |

# ISP FORENSICS - Cd'A Instrument # 62340

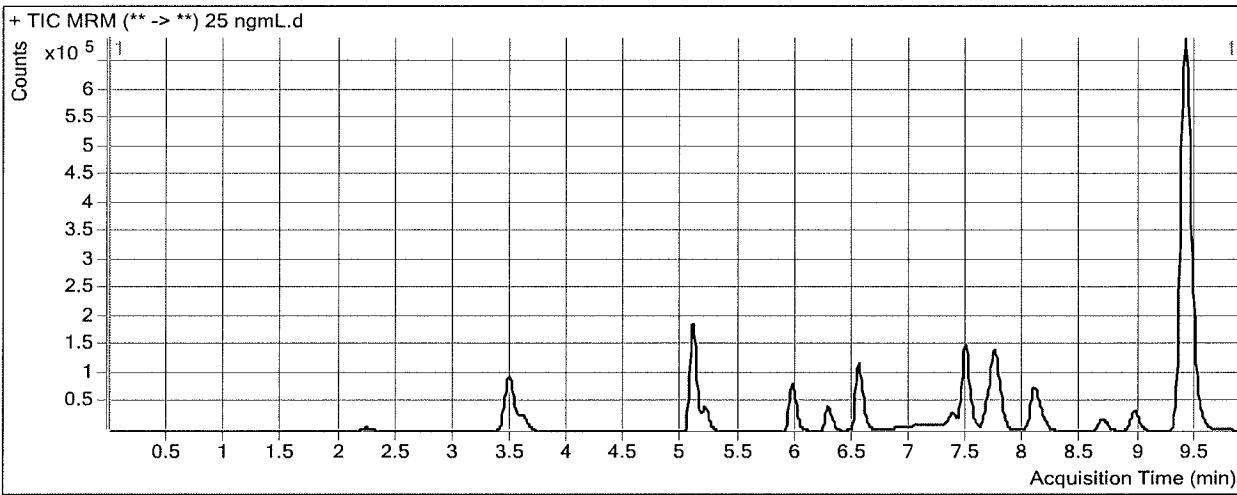
## Benzodiazepine Analysis Report

|                          |  |                      |           |
|--------------------------|--|----------------------|-----------|
| <b>Batch Data Path</b>   | D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin |                      |           |
| <b>Analysis Time</b>     | 6/22/2017 8:24 AM  | <b>Analyst Name</b>  | ISP Tox   |
| <b>Report Time</b>       | 6/22/2017 8:27 AM  | <b>Reporter Name</b> | ISP Tox   |
| <b>Last Calib Update</b> | 6/22/2017 8:24 AM  | <b>Batch State</b>   | Processed |

### Analysis Info

|                    |             |                    |                                  |
|--------------------|-------------|--------------------|----------------------------------|
| <b>Acq Time</b>    | #VALUE!     | <b>Data File</b>   | 25 ngmL.d                        |
| <b>Sample Type</b> | Calibration | <b>Sample Name</b> | 25 ngmL                          |
| <b>Dilution</b>    | 1           | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP 2016.m |
| <b>Position</b>    | P1-A2       | <b>Sample Info</b> | ppd 6/21/17- Unextracted         |
| <b>Inj Vol</b>     | -1          | <b>Comment</b>     | 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<br>ISTD   | 2.242 | 30185    | 450238    | 0.0670     | 28.3255    |
| 7-Aminoflunitrazepam    | ISTD                              | 3.603 | 89355    | 450238    | 0.1985     | 28.7331    |
| zopiclone               | Oxazepam D5 ISTD                  | 4.107 | 996      | 358290    | 0.0028     | 29.3745    |
| zolpidem                | Oxazepam D5 ISTD                  | 5.087 | 574805   | 358290    | 1.6043     | 29.4655    |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 5.207 | 126891   | 133041    | 0.9538     | 27.2854    |
| quetiapine              | Oxazepam D5 ISTD                  | 5.964 | 212334   | 358290    | 0.5926     | 26.9939    |
| Midazolam               | Clonazepam-D4 ISTD                | 6.275 | 137477   | 279266    | 0.4923     | 28.3738    |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.538 | 415961   | 2277754   | 0.1826     | 29.9241    |
| Nitrazepam              | Clonazepam-D4 ISTD                | 7.368 | 72411    | 279266    | 0.2593     | 26.9261    |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 7.515 | 4593     | 424313    | 0.0108     | 26.1827    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 7.572 | 13669    | 133041    | 0.1027     | 26.8764    |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.773 | 54880    | 133041    | 0.4125     | 27.1141    |
| Oxazepam                | Oxazepam D5 ISTD                  | 7.780 | 73500    | 358290    | 0.2051     | 26.8047    |
| Clonazepam              | Clonazepam-D4 ISTD                | 8.120 | 51827    | 279266    | 0.1856     | 27.0860    |
| Lorazepam               | Oxazepam D5 ISTD                  | 8.152 | 18043    | 358290    | 0.0504     | 26.5589    |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 8.173 | 20392    | 424313    | 0.0481     | 26.4670    |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 8.663 | 84538    | 279266    | 0.3027     | 26.5100    |
| Temazepam               | Oxazepam D5 ISTD                  | 8.949 | 151147   | 358290    | 0.4219     | 26.9399    |
| Diazepam                | Diazepam-D5 ISTD                  | 9.510 | 68230    | 2277754   | 0.0300     | 27.3593    |

# ISP FORENSICS - Cd'A Instrument # 62340

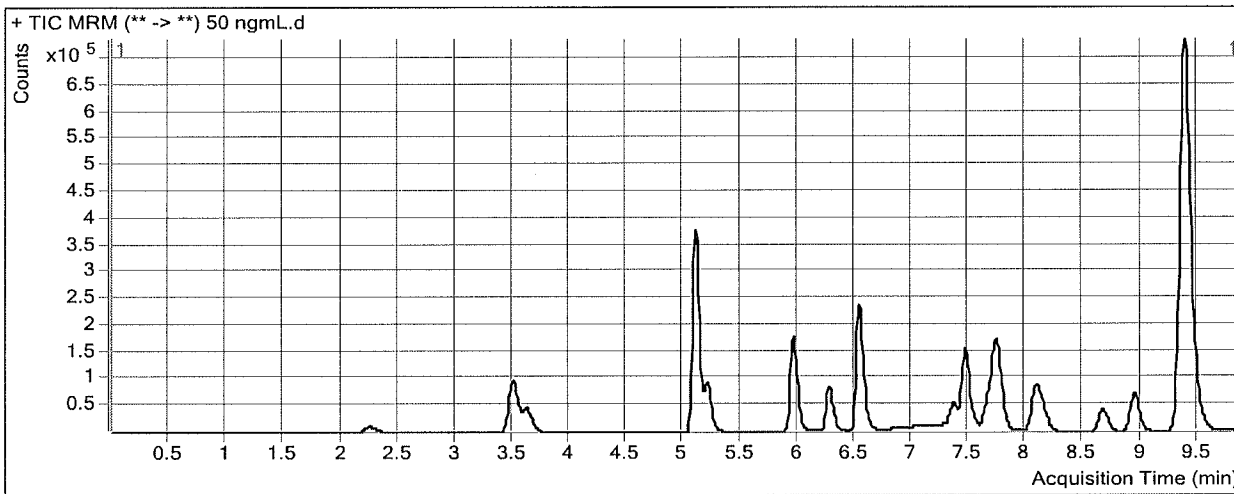
## Benzodiazepine Analysis Report

|                          |  |                      |           |
|--------------------------|--|----------------------|-----------|
| <b>Batch Data Path</b>   | D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin |                      |           |
| <b>Analysis Time</b>     | 6/22/2017 8:24 AM  | <b>Analyst Name</b>  | ISP Tox   |
| <b>Report Time</b>       | 6/22/2017 8:27 AM  | <b>Reporter Name</b> | ISP Tox   |
| <b>Last Calib Update</b> | 6/22/2017 8:24 AM  | <b>Batch State</b>   | Processed |

### Analysis Info

|                    |             |                    |                                  |
|--------------------|-------------|--------------------|----------------------------------|
| <b>Acq Time</b>    | #VALUE!     | <b>Data File</b>   | 50 ngmL.d                        |
| <b>Sample Type</b> | Calibration | <b>Sample Name</b> | 50 ngmL                          |
| <b>Dilution</b>    | 1           | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP 2016.m |
| <b>Position</b>    | P1-A2       | <b>Sample Info</b> | ppd 6/21/17- Unextracted         |
| <b>Inj Vol</b>     | -1          | <b>Comment</b>     | 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<br>ISTD    | 2.258 | 59861    | 469011    | 0.1276     | 50.4641    |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7<br>ISTD    | 3.628 | 183733   | 469011    | 0.3917     | 54.5293    |
| zopiclone               | Oxazepam D5 ISTD                   | 4.149 | 1998     | 388631    | 0.0051     | 40.9667    |
| zolpidem                | Oxazepam D5 ISTD                   | 5.104 | 1155612  | 388631    | 2.9735     | 53.3175    |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD                | 5.215 | 270944   | 144459    | 1.8756     | 50.1433    |
| quetiapine              | Oxazepam D5 ISTD                   | 5.956 | 446861   | 388631    | 1.1498     | 52.0831    |
| Midazolam               | Clonazepam-D4 ISTD                 | 6.275 | 275904   | 287775    | 0.9588     | 53.3133    |
| Flurazepam              | Diazepam-D5 ISTD                   | 6.530 | 825962   | 2440448   | 0.3384     | 53.6501    |
| Nitrazepam              | Clonazepam-D4 ISTD                 | 7.359 | 143623   | 287775    | 0.4991     | 48.5001    |
| alpha-Hydroxyalprazolam | alpha-hydroxyalprazolam-D5<br>ISTD | 7.506 | 9912     | 521081    | 0.0190     | 43.3738    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD                | 7.555 | 27253    | 144459    | 0.1887     | 46.2849    |
| Nordiazepam             | Nordiazepam-D5 ISTD                | 7.756 | 117887   | 144459    | 0.8161     | 49.4859    |
| Oxazepam                | Oxazepam D5 ISTD                   | 7.772 | 160537   | 388631    | 0.4131     | 50.1719    |
| Clonazepam              | Clonazepam-D4 ISTD                 | 8.111 | 110239   | 287775    | 0.3831     | 53.0410    |
| Lorazepam               | Oxazepam D5 ISTD                   | 8.135 | 38012    | 388631    | 0.0978     | 47.8472    |
| Alprazolam              | alpha-hydroxyalprazolam-D5<br>ISTD | 8.156 | 42700    | 521081    | 0.0819     | 42.4500    |
| Flunitrazepam           | Clonazepam-D4 ISTD                 | 8.654 | 176671   | 287775    | 0.6139     | 46.7217    |
| Temazepam               | Oxazepam D5 ISTD                   | 8.932 | 316126   | 388631    | 0.8134     | 48.6070    |
| Diazepam                | Diazepam-D5 ISTD                   | 9.494 | 143938   | 2440448   | 0.0590     | 50.2661    |

# ISP FORENSICS - Cd'A Instrument # 62340

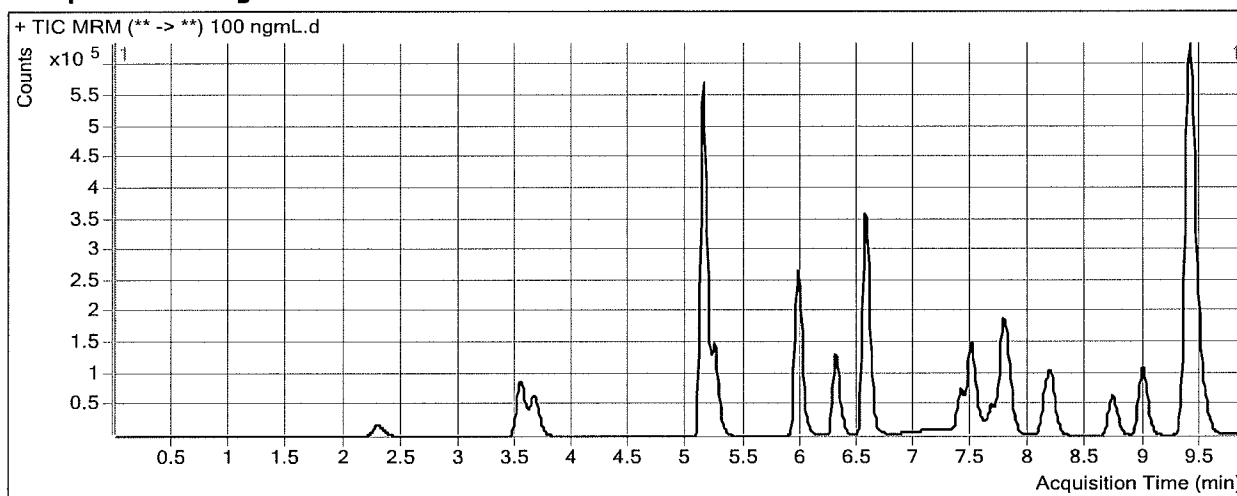
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** #VALUE! **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-A2 **Sample Info** ppd 6/21/17- Unextracted  
**Inj Vol** -1 **Comment** AM 13 Benzo and Z by LCQQQ

### Sample Chromatogram



### Results

| Compound                | ISTD Compound                  | RT    | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------------|--------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoclonazepam       | 7-Aminoflunitrazepam-D7 ISTD   | 2.292 | 93217    | 412676    | 0.2259     | 86.4016    |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 3.662 | 284350   | 412676    | 0.6890     | 94.4586    |
| zopiclone               | Oxazepam D5 ISTD               | 4.224 | 2067     | 327402    | 0.0063     | 46.7164    |
| zolpidem                | Oxazepam D5 ISTD               | 5.134 | 1791890  | 327402    | 5.4731     | 96.8961    |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 5.240 | 435308   | 119365    | 3.6469     | 93.9611    |
| quetiapine              | Oxazepam D5 ISTD               | 5.964 | 683332   | 327402    | 2.0871     | 96.0715    |
| Midazolam               | Clonazepam-D4 ISTD             | 6.300 | 442351   | 233921    | 1.8910     | 103.1618   |
| Flurazepam              | Diazepam-D5 ISTD               | 6.555 | 1325962  | 2091710   | 0.6339     | 98.9153    |
| Nitrazepam              | Clonazepam-D4 ISTD             | 7.402 | 222757   | 233921    | 0.9523     | 89.0436    |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 7.531 | 18688    | 408775    | 0.0457     | 99.0858    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 7.581 | 44382    | 119365    | 0.3718     | 87.3716    |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.765 | 183012   | 119365    | 1.5332     | 89.2298    |
| Oxazepam                | Oxazepam D5 ISTD               | 7.805 | 246176   | 327402    | 0.7519     | 87.9353    |
| Clonazepam              | Clonazepam-D4 ISTD             | 8.171 | 166090   | 233921    | 0.7100     | 95.8488    |
| Lorazepam               | Oxazepam D5 ISTD               | 8.185 | 55642    | 327402    | 0.1699     | 80.2133    |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 8.181 | 88135    | 408775    | 0.2156     | 105.7778   |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 8.713 | 276688   | 233921    | 1.1828     | 83.5975    |
| Temazepam               | Oxazepam D5 ISTD               | 8.972 | 484859   | 327402    | 1.4809     | 85.1667    |
| Diazepam                | Diazepam-D5 ISTD               | 9.510 | 223410   | 2091710   | 0.1068     | 88.0822    |

# ISP FORENSICS - Cd'A Instrument # 62340

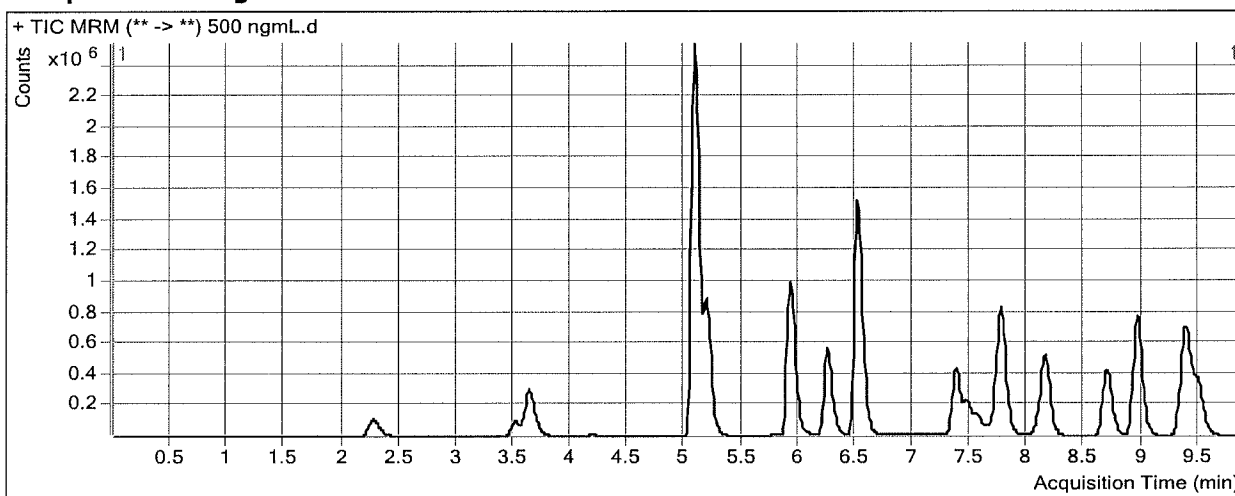
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** #VALUE! **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-A2 **Sample Info** ppd 6/21/17- 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<br>ISTD   | 2.275 | 582213   | 445777    | 1.3061     | 484.7715   |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7<br>ISTD   | 3.637 | 1444625  | 445777    | 3.2407     | 450.8422   |
| zopiclone               | Oxazepam D5 ISTD                  | 4.182 | 37604    | 358285    | 0.1050     | 500.4943   |
| zolpidem                | Oxazepam D5 ISTD                  | 5.078 | 9064966  | 358285    | 25.3010    | 444.3261   |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 5.190 | 2747931  | 139298    | 19.7270    | 485.6285   |
| quetiapine              | Oxazepam D5 ISTD                  | 5.922 | 2989698  | 358285    | 8.3445     | 500.9641   |
| Midazolam               | Clonazepam-D4 ISTD                | 6.251 | 2125850  | 269959    | 7.8747     | 423.2676   |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.513 | 6340688  | 2330968   | 2.7202     | 429.6750   |
| Nitrazepam              | Clonazepam-D4 ISTD                | 7.368 | 1514327  | 269959    | 5.6095     | 489.6083   |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 7.498 | 134973   | 550602    | 0.2451     | 503.1870   |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 7.555 | 333195   | 139298    | 2.3920     | 517.0590   |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.739 | 1185990  | 139298    | 8.5140     | 475.1754   |
| Oxazepam                | Oxazepam D5 ISTD                  | 7.772 | 1669271  | 358285    | 4.6591     | 498.7596   |
| Clonazepam              | Clonazepam-D4 ISTD                | 8.128 | 1132945  | 269959    | 4.1967     | 540.5226   |
| Lorazepam               | Oxazepam D5 ISTD                  | 8.152 | 400814   | 358285    | 1.1187     | 505.8735   |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 8.147 | 541140   | 550602    | 0.9828     | 478.4907   |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 8.679 | 1870746  | 269959    | 6.9297     | 450.9896   |
| Temazepam               | Oxazepam D5 ISTD                  | 8.949 | 3558329  | 358285    | 9.9316     | 513.3658   |
| Diazepam                | Diazepam-D5 ISTD                  | 9.485 | 1405577  | 2330968   | 0.6030     | 485.7106   |

# ISP FORENSICS - Cd'A Instrument # 62340

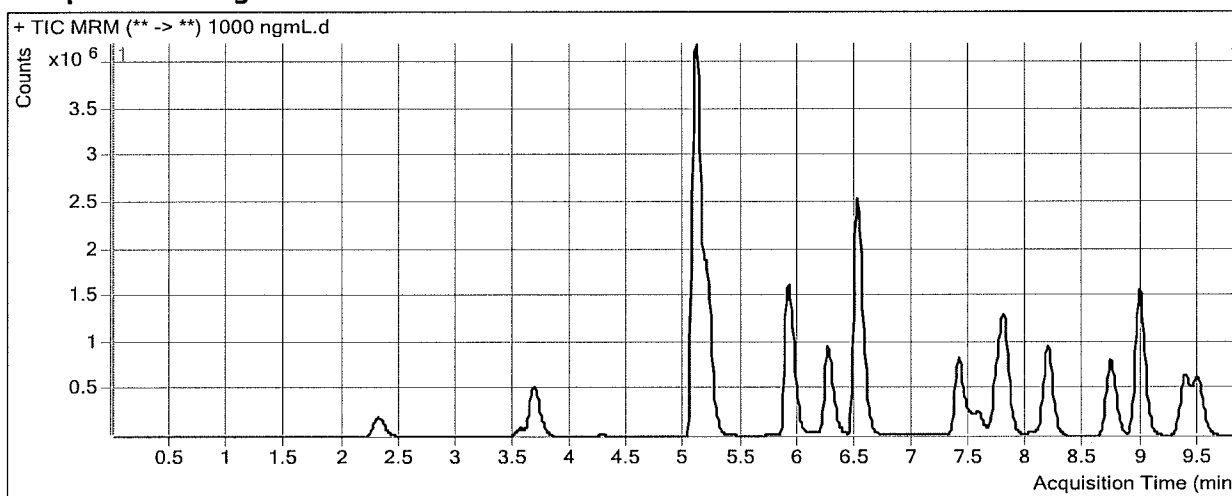
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-06-21 12:40 **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 6/21/17- 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<br>ISTD   | 2.317 | 1140344  | 411865    | 2.7687     | 1034.1159  |
| 7-Aminoflunitrazepam    | ISTD                              | 3.678 | 2624498  | 411865    | 6.3722     | 928.2891   |
| zopiclone               | Oxazepam D5 ISTD                  | 4.257 | 72292    | 316283    | 0.2286     | 1004.8408  |
| zolpidem                | Oxazepam D5 ISTD                  | 5.095 | 16771725 | 316283    | 53.0276    | 935.4439   |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 5.198 | 5376579  | 125718    | 42.7671    | 1028.8809  |
| quetiapine              | Oxazepam D5 ISTD                  | 5.914 | 5279064  | 316283    | 16.6909    |            |
| Midazolam               | Clonazepam-D4 ISTD                | 6.258 | 3789437  | 214604    | 17.6578    | 947.2264   |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.505 | 11675802 | 2151345   | 5.4272     | 892.9527   |
| Nitrazepam              | Clonazepam-D4 ISTD                | 7.393 | 2913476  | 214604    | 13.5760    | 1118.2200  |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 7.506 | 248895   | 443487    | 0.5612     | 1105.3390  |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 7.564 | 694459   | 125718    | 5.5240     | 1115.5513  |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.731 | 2369162  | 125718    | 18.8451    | 1043.3072  |
| Oxazepam                | Oxazepam D5 ISTD                  | 7.797 | 3424722  | 316283    | 10.8280    | 1075.5394  |
| Clonazepam              | Clonazepam-D4 ISTD                | 8.171 | 2099411  | 214604    | 9.7827     | 1212.9558  |
| Lorazepam               | Oxazepam D5 ISTD                  | 8.177 | 818662   | 316283    | 2.5884     | 1165.2524  |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 8.156 | 982829   | 443487    | 2.2161     | 1114.9916  |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 8.713 | 3674125  | 214604    | 17.1205    | 1081.1141  |
| Temazepam               | Oxazepam D5 ISTD                  | 8.972 | 7337715  | 316283    | 23.1998    | 1091.8612  |
| Diazepam                | Diazepam-D5 ISTD                  | 9.485 | 2721761  | 2151345   | 1.2651     | 1032.3328  |

# ISP FORENSICS - Cd'A Instrument # 62340

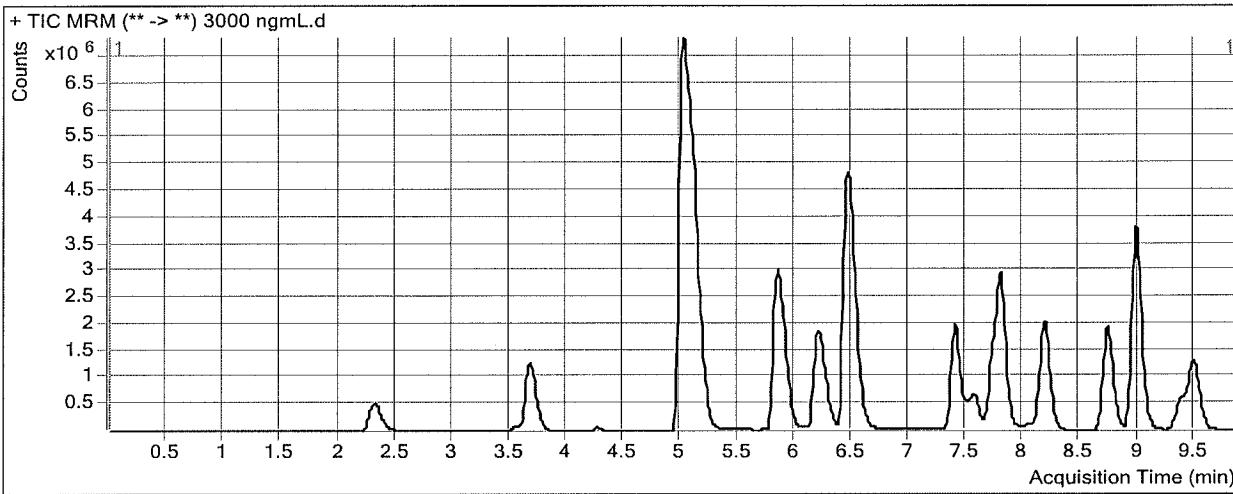
## Benzodiazepine Analysis Report

**Batch Data Path** D:\2017 Data\6-21-17 urine benz\QuantResults\62117 urine benzo.batch.bin  
**Analysis Time** 6/22/2017 8:24 AM **Analyst Name** ISP Tox  
**Report Time** 6/22/2017 8:27 AM **Reporter Name** ISP Tox  
**Last Calib Update** 6/22/2017 8:24 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-06-21 12:55 **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 6/21/17- 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<br>ISTD   | 2.325 | 2926286  | 378767    | 7.7258     | 2990.9502  |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7<br>ISTD   | 3.678 | 6408206  | 378767    | 16.9186    | 3250.6279  |
| zopiclone               | Oxazepam D5 ISTD                  | 4.257 | 200237   | 232453    | 0.8614     | 2998.8950  |
| zolpidem                | Oxazepam D5 ISTD                  | 5.020 | 40045983 | 232453    | 172.2758   | 3123.7333  |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 5.122 | 13901397 | 104472    | 133.0636   | 2990.0037  |
| quetiapine              | Oxazepam D5 ISTD                  | 5.856 | 4621414  | 232453    | 19.8811    |            |
| Midazolam               | Clonazepam-D4 ISTD                | 6.209 | 10294059 | 177182    | 58.0988    | 3121.0956  |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.454 | 29660184 | 1907989   | 15.5453    | 3334.2460  |
| Nitrazepam              | Clonazepam-D4 ISTD                | 7.393 | 7249304  | 177182    | 40.9145    | 2922.9608  |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 7.506 | 800816   | 485921    | 1.6480     | 2915.7880  |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 7.564 | 1791998  | 104472    | 17.1529    | 2912.3936  |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.731 | 5719270  | 104472    | 54.7446    | 2990.2362  |
| Oxazepam                | Oxazepam D5 ISTD                  | 7.797 | 8470349  | 232453    | 36.4390    | 2953.1073  |
| Clonazepam              | Clonazepam-D4 ISTD                | 8.179 | 4688632  | 177182    | 26.4623    | 3000.0563  |
| Lorazepam               | Oxazepam D5 ISTD                  | 8.185 | 1869988  | 232453    | 8.0446     | 3613.1991  |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 8.156 | 2491875  | 485921    | 5.1281     | 2879.5017  |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 8.721 | 8938233  | 177182    | 50.4467    | 2983.4622  |
| Temazepam               | Oxazepam D5 ISTD                  | 8.972 | 18546287 | 232453    | 79.7852    | 2938.3123  |
| Diazepam                | Diazepam-D5 ISTD                  | 9.485 | 6578206  | 1907989   | 3.4477     | 2990.9108  |