

**Worklist: 2024**

| <u>LAB_CASE</u> | <u>ITEM</u> | <u>TASK_ID</u> | <u>DESCRIPTION</u>        |  |
|-----------------|-------------|----------------|---------------------------|--|
| M2017-4733      | 1           | 100089         | AM 13 Urine LCMS-QQQ Benz |    |
| M2017-4840      | 3           | 100091         | AM 13 Urine LCMS-QQQ Benz |    |
| M2017-4841      | 3           | 100090         | AM 13 Urine LCMS-QQQ Benz |    |
| M2017-5089      | 4           | 100092         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2426      | 1           | 100093         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2426      | 2           | 100094         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2426      | 3           | 100095         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2464      | 1           | 100096         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2476      | 1           | 100097         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2486      | 2           | 100098         | AM 13 Urine LCMS-QQQ Benz |    |
| P2017-2510      | 1           | 100099         | AM 13 Urine LCMS-QQQ Benz |   |
| P2017-2577      | 1           | 100100         | AM 13 Urine LCMS-QQQ Benz |  |

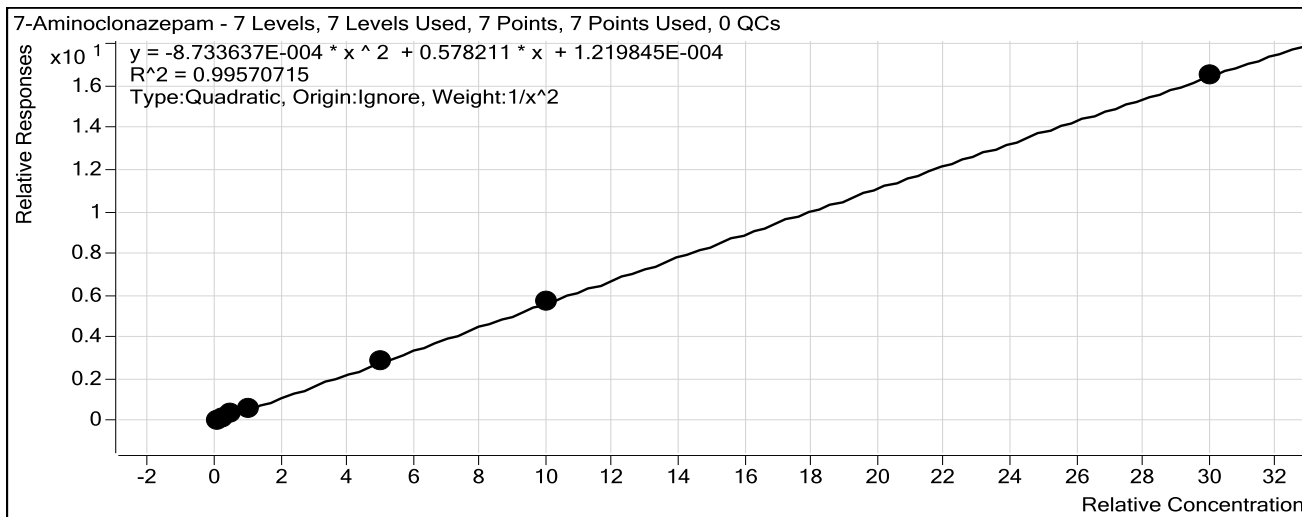
Samples were extracted on 11/14/17 and injected. It was determined that the instrument was not working properly so the samples were stored in the freezer and reinjected on 11/16/17, after the instrument was found to be working properly. cg

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



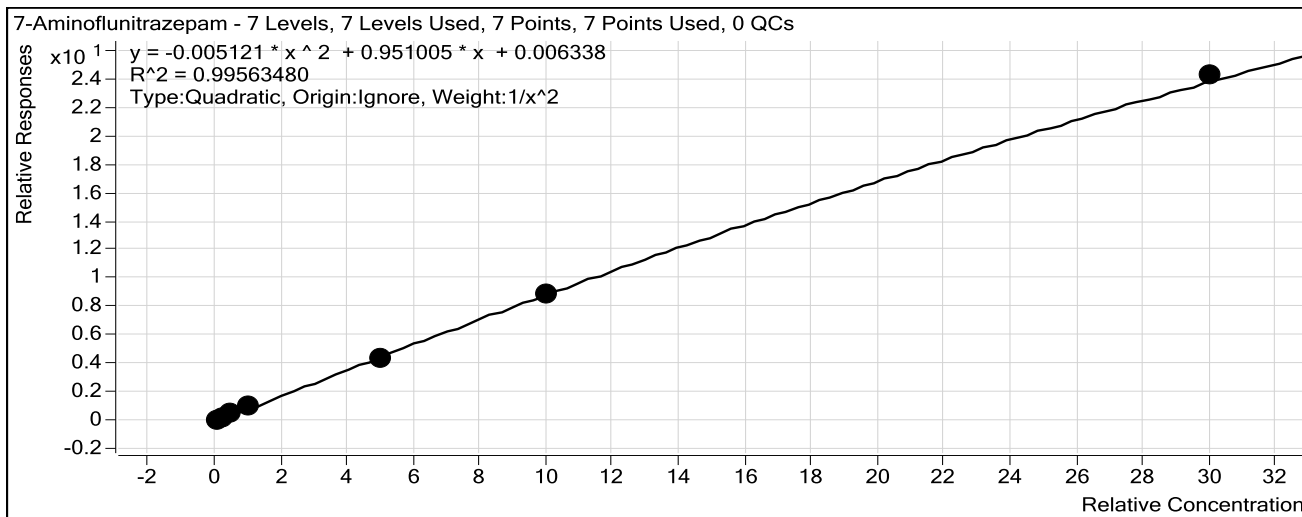
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.3       | 102.7    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.3       | 89.2     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 53.8       | 107.7    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 101.0      | 101.0    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 491.6      | 98.3     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1013.6     | 101.4    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2992.0     | 99.7     |

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



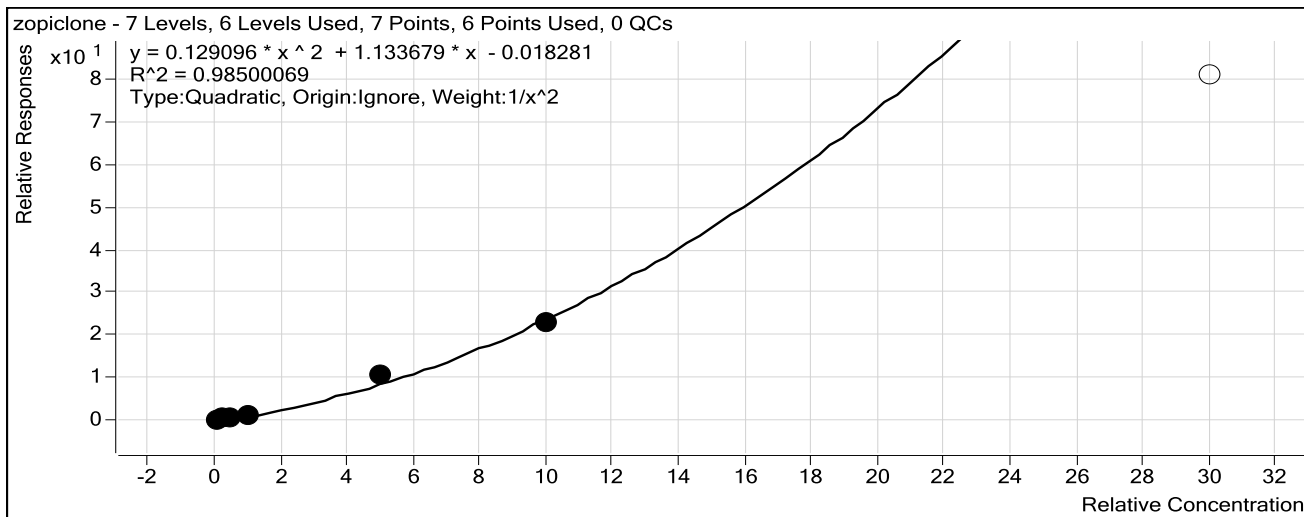
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.1       | 101.4    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.9       | 91.6     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 54.0       | 108.0    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 104.1      | 104.1    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 474.2      | 94.8     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 985.7      | 98.6     |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3046.1     | 101.5    |

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



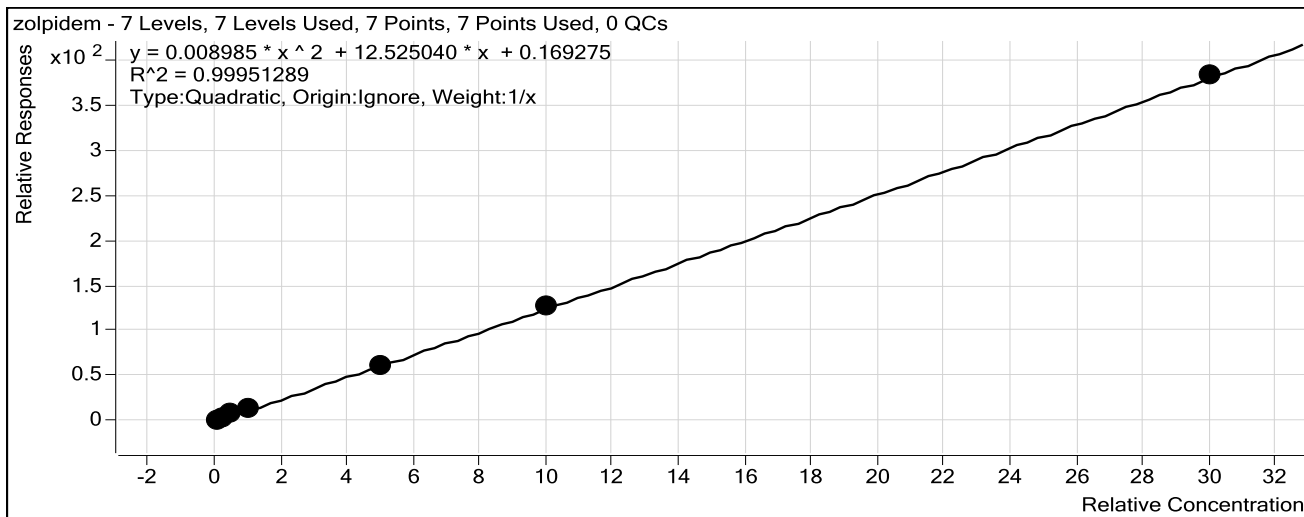
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.7       | 107.3    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 20.2       | 80.7     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 51.7       | 103.4    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 96.2       | 96.2     |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 559.3      | 111.9    |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 961.8      | 96.2     |
| 3000 ng/mL | 7     | <input type="checkbox"/>            | 3000     | 2106.7     | 70.2     |

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



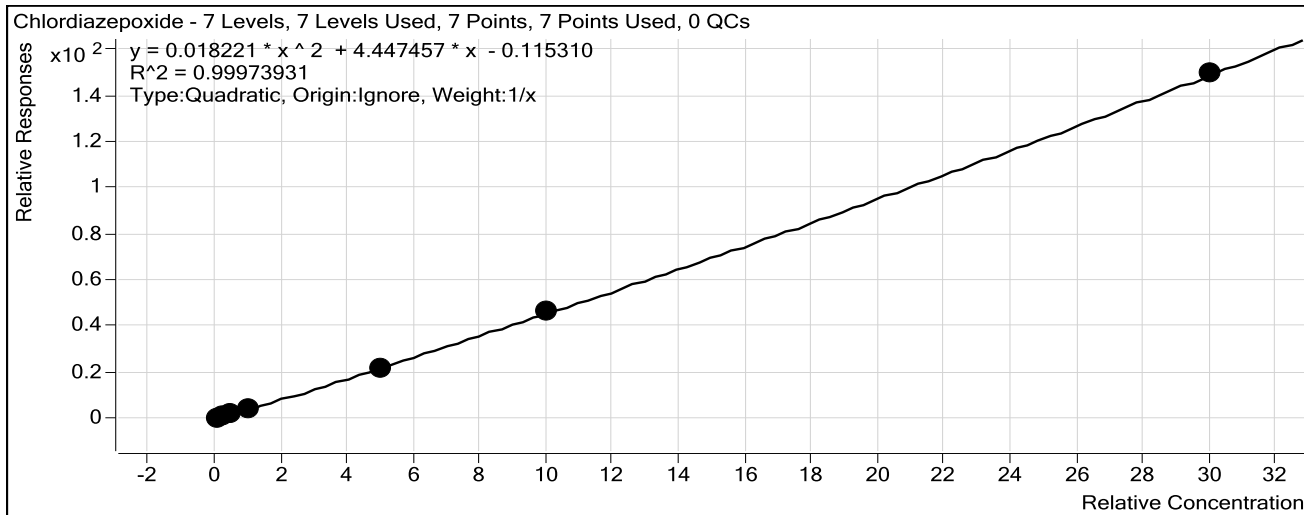
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 9.7        | 97.0     |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.3       | 85.1     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 56.4       | 112.8    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 107.3      | 107.3    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 487.9      | 97.6     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1001.1     | 100.1    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3001.3     | 100.0    |

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 11.5       | 114.6    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.0       | 84.0     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 51.5       | 103.1    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 98.9       | 98.9     |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 490.2      | 98.0     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1014.6     | 101.5    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2997.2     | 99.9     |

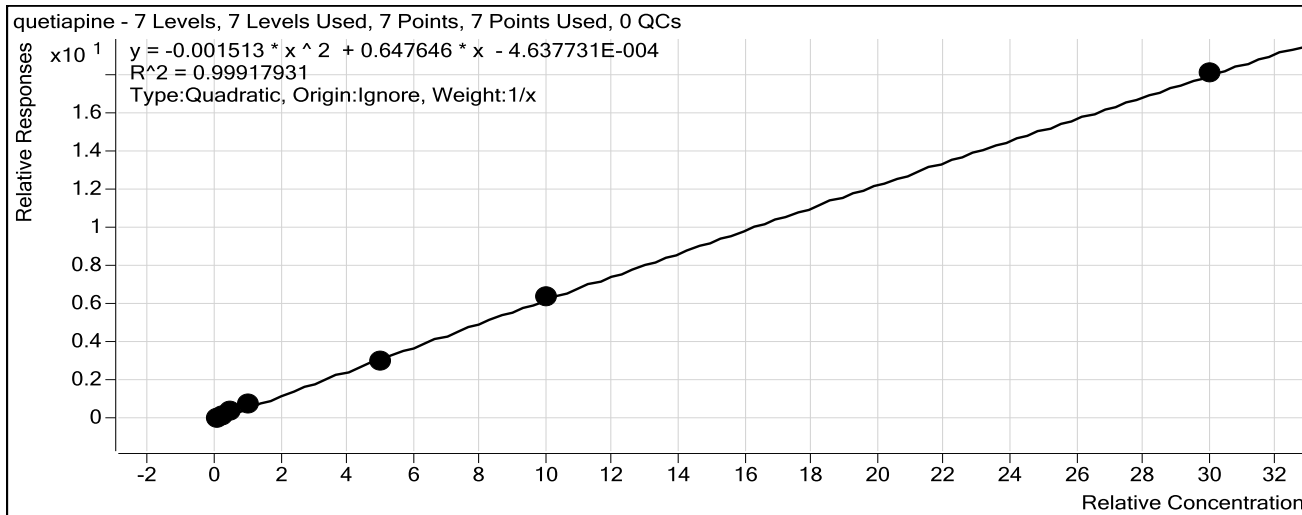
# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin

**Last Calib Update** 11/17/2017 8:47 AM      **Analyst Name** ISP TOX

**Target Compound** *quetiapine*  
**Internal Standard** *Temazepam-D5 ISTD*



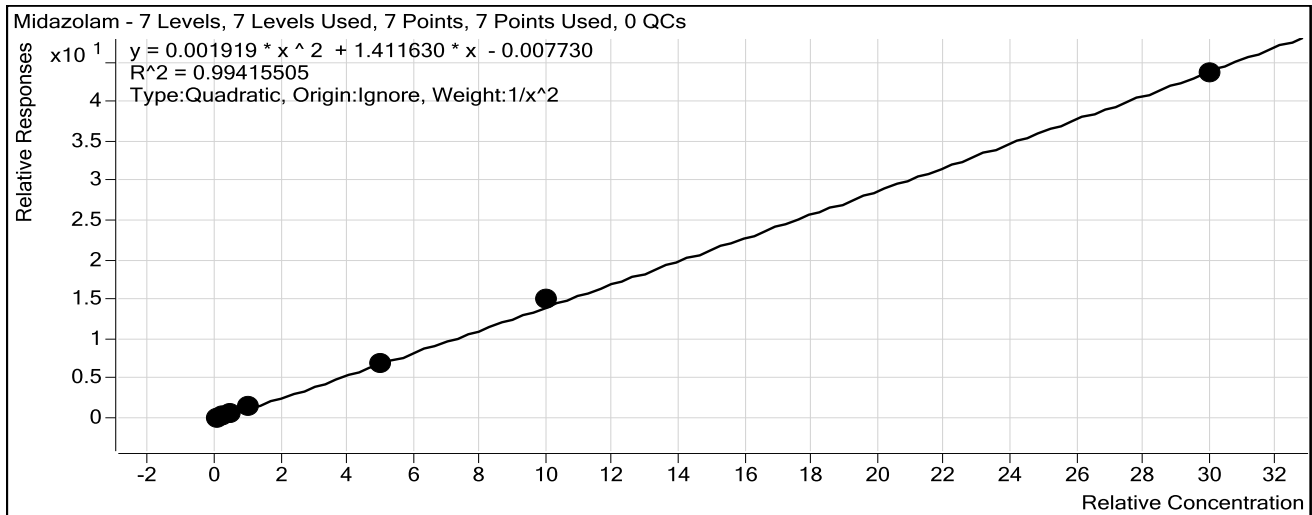
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 9.9        | 98.9     |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.3       | 85.1     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 54.7       | 109.4    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 110.0      | 110.0    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 476.3      | 95.3     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1014.0     | 101.4    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2998.9     | 100.0    |

# ISP Forensics Calibration Curve Report

g

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.4       | 103.9    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.8       | 87.3     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 51.7       | 103.5    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 105.4      | 105.4    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 478.1      | 95.6     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1055.0     | 105.5    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2964.2     | 98.8     |

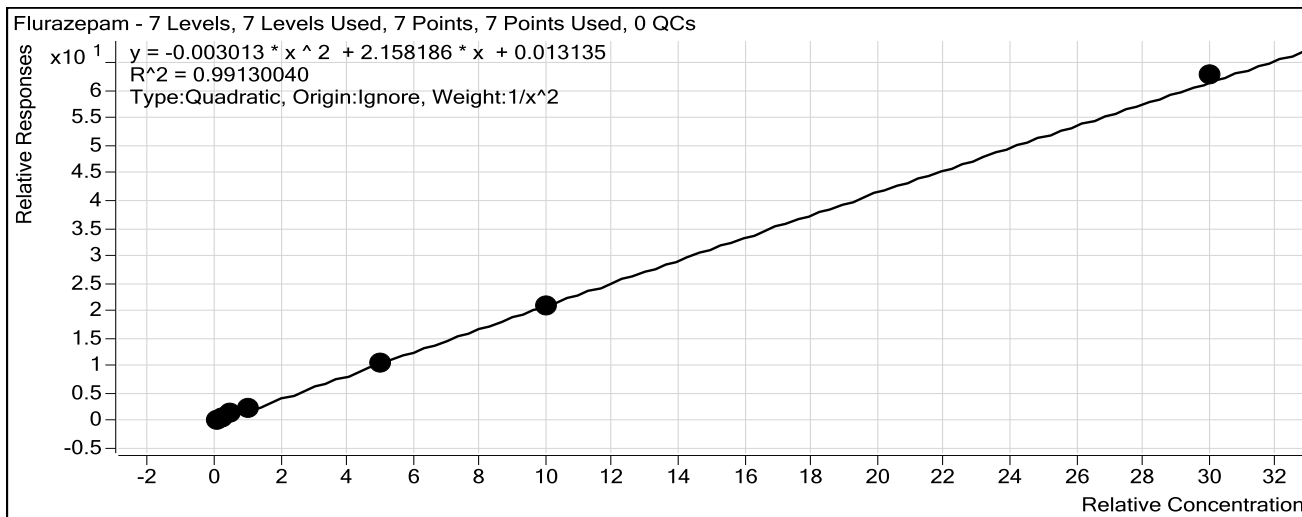


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



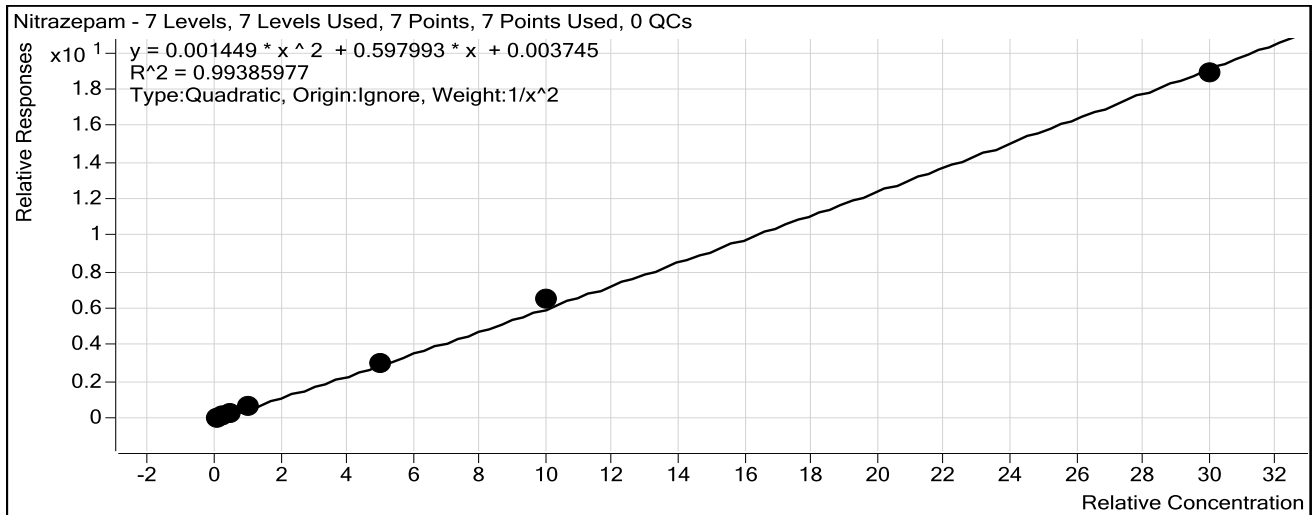
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.3       | 102.7    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.6       | 86.4     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 56.3       | 112.7    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 103.4      | 103.4    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 479.2      | 95.8     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 977.4      | 97.7     |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3039.2     | 101.3    |

# ISP Forensics Calibration Curve Report

g

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.5       | 104.7    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.5       | 85.8     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 51.8       | 103.5    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 102.2      | 102.2    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 495.5      | 99.1     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1064.9     | 106.5    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2943.7     | 98.1     |

# ISP Forensics Calibration Curve Report

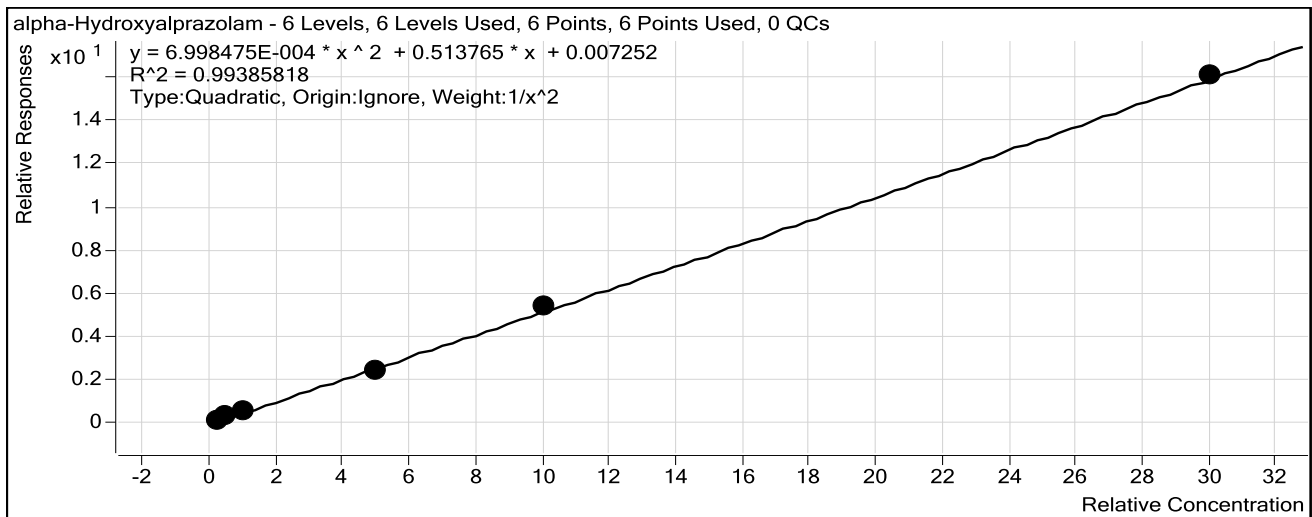
CJ

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin

**Last Calib Update** 11/17/2017 8:47 AM      **Analyst Name** ISP TOX

**Target Compound** *alpha-Hydroxyalprazolam*      No samples can be reported as inconclusive for this compound. CJ

**Internal Standard** *alphahydroxyalprazolam-D5 ISTD*



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input type="checkbox"/>            | 10       | 0.0        | 0.0      |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 23.8       | 95.1     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 55.4       | 110.7    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 99.6       | 99.6     |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 457.7      | 91.5     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1027.0     | 102.7    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3010.5     | 100.3    |

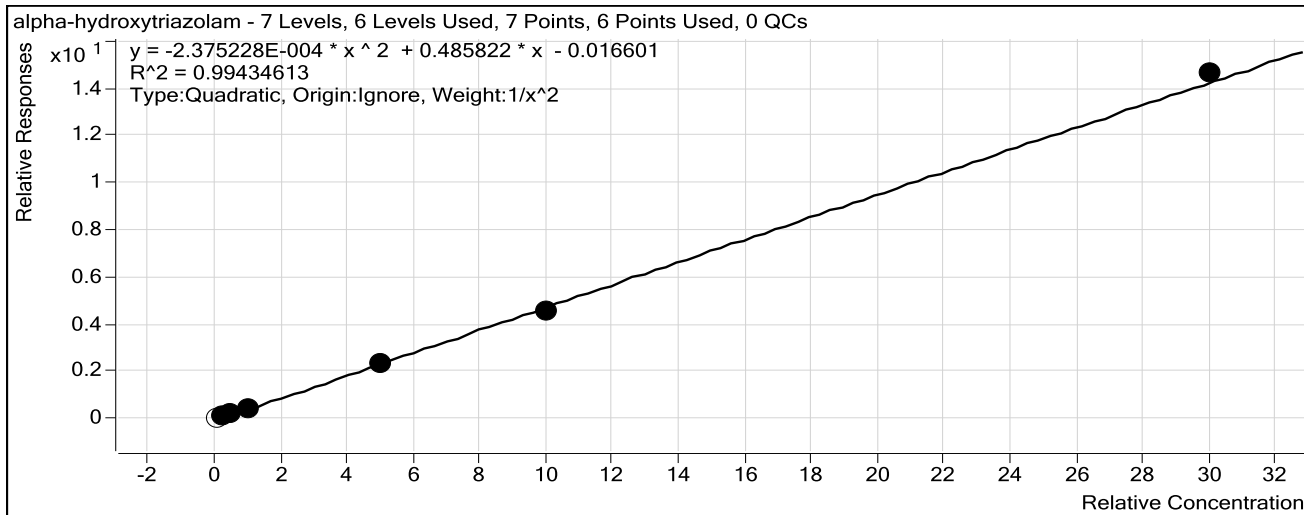
# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin

**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

**Target Compound** *alpha-hydroxytriazolam* No samples can be reported as inconclusive for this compound. CJ  
**Internal Standard** *Nordiazepam-D5 ISTD*



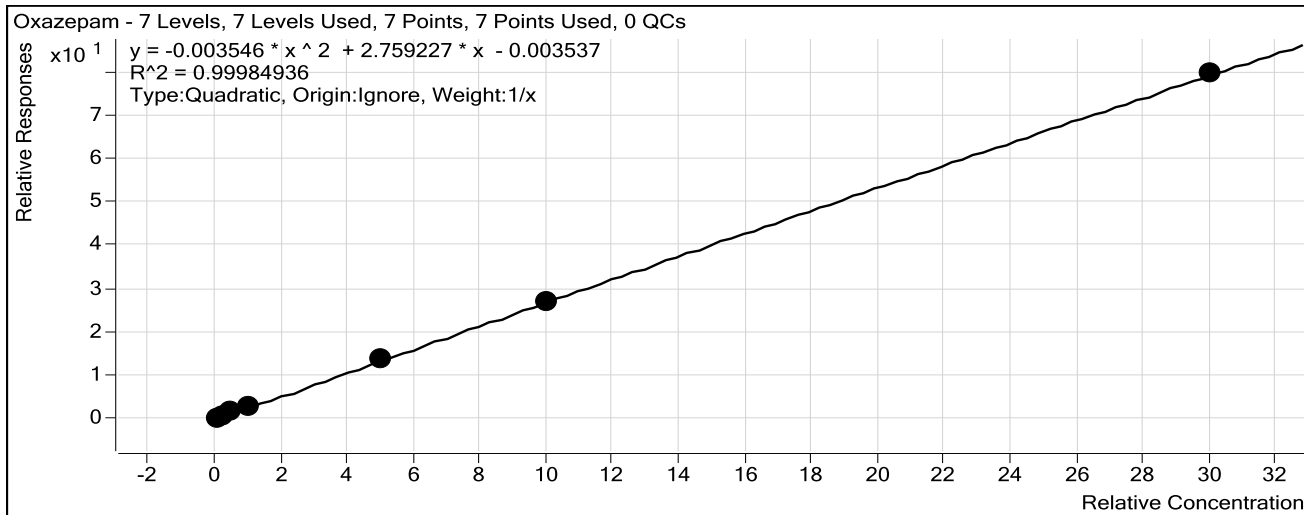
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input type="checkbox"/>            | 10       | 15.9       | 158.5    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 23.6       | 94.6     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 55.7       | 111.3    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 100.2      | 100.2    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 482.8      | 96.6     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 953.9      | 95.4     |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3060.1     | 102.0    |

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.3       | 103.1    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.2       | 88.6     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 53.3       | 106.6    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 102.3      | 102.3    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 496.6      | 99.3     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 999.7      | 100.0    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3000.6     | 100.0    |

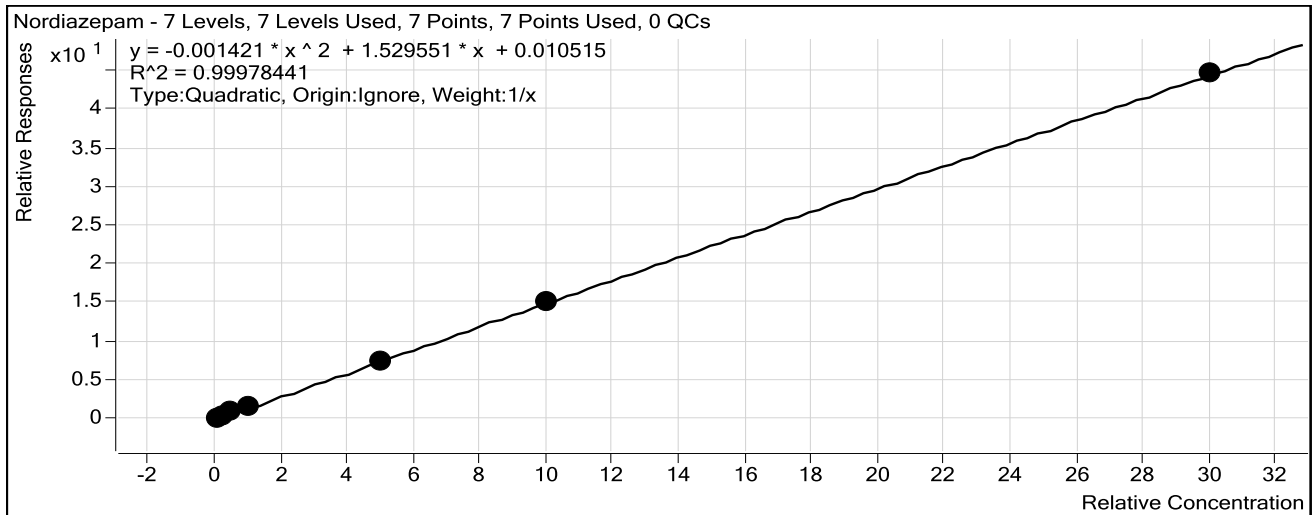
# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin

**Last Calib Update** 11/17/2017 8:47 AM      **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.7       | 106.8    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.4       | 85.7     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 53.7       | 107.4    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 100.7      | 100.7    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 494.9      | 99.0     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1004.3     | 100.4    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2999.3     | 100.0    |

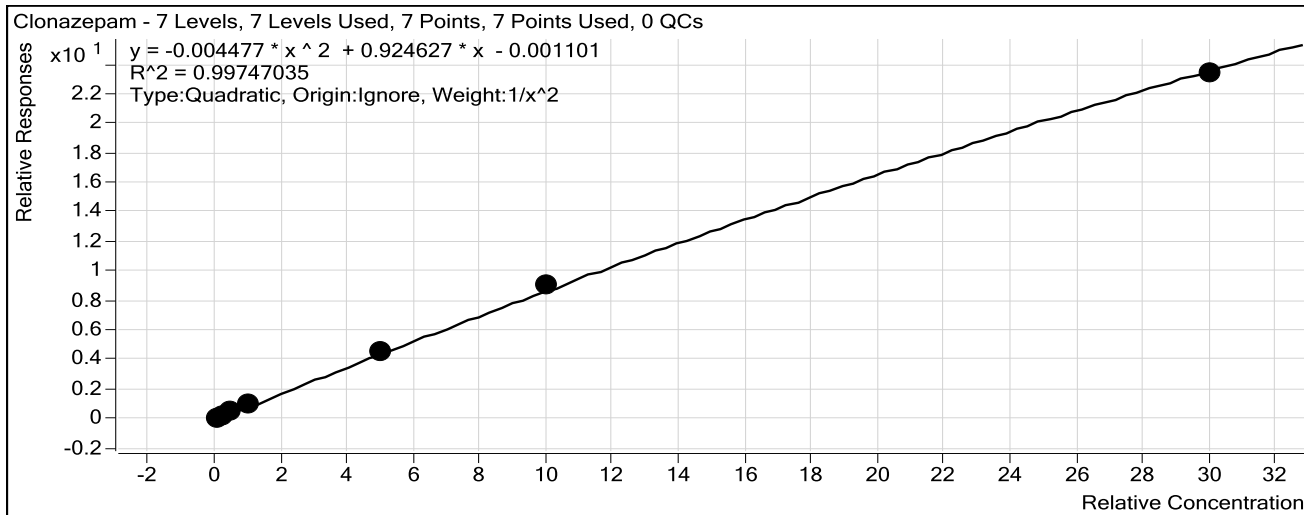
# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin

**Last Calib Update** 11/17/2017 8:47 AM      **Analyst Name** ISP TOX

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



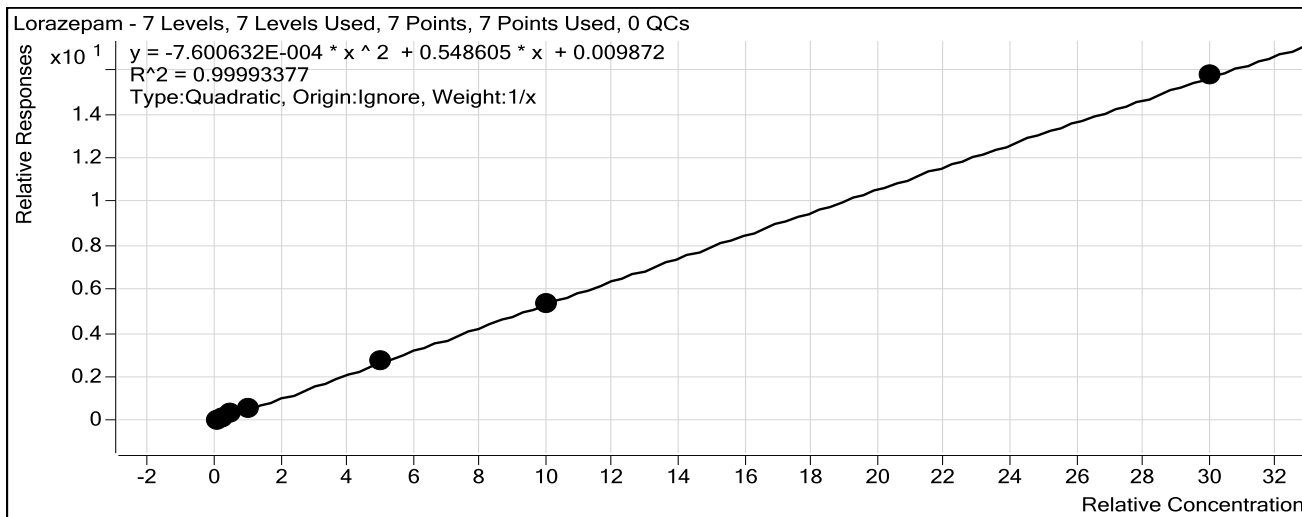
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.3       | 102.9    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.8       | 91.4     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 50.8       | 101.6    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 102.0      | 102.0    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 498.0      | 99.6     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1041.2     | 104.1    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2949.3     | 98.3     |

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.1       | 100.9    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 23.3       | 93.2     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 52.7       | 105.4    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 100.8      | 100.8    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 499.7      | 99.9     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 997.6      | 99.8     |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3000.9     | 100.0    |

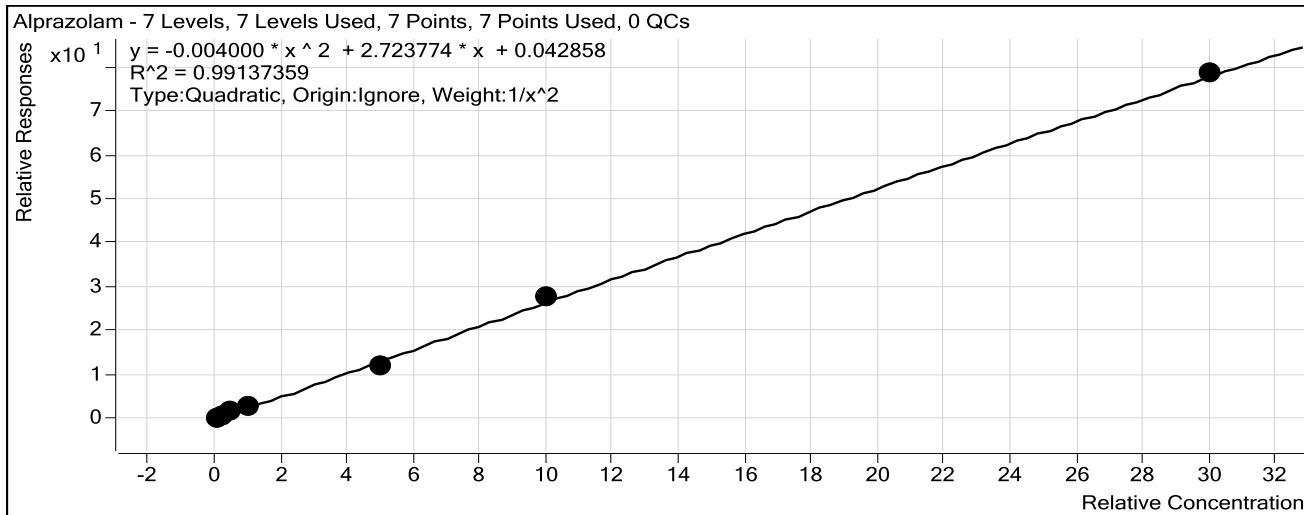


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



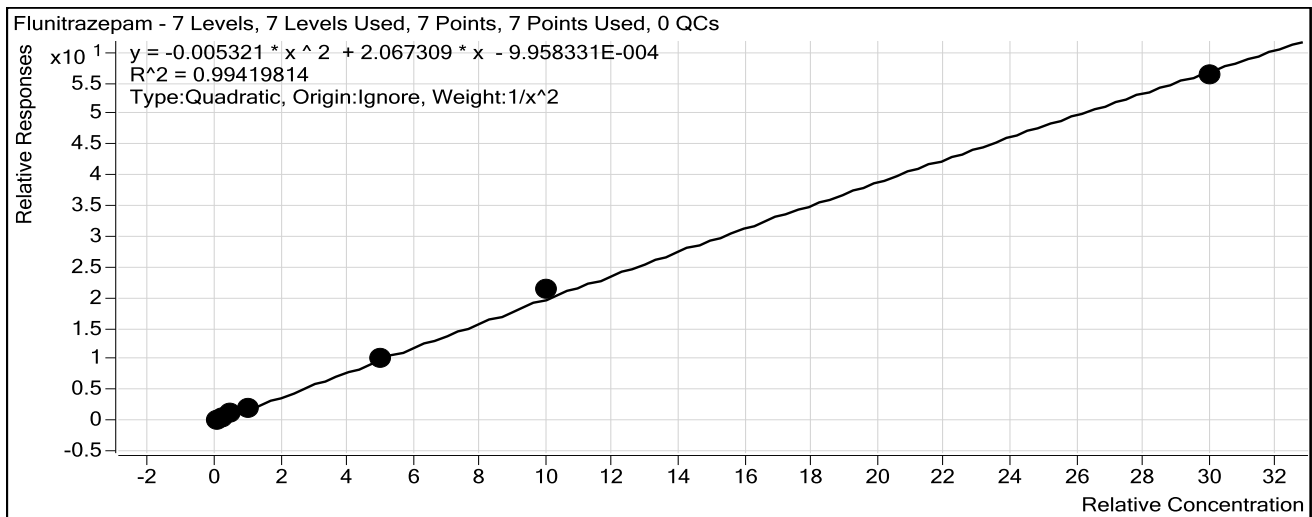
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.1       | 101.4    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.6       | 90.4     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 55.3       | 110.7    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 105.0      | 105.0    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 441.2      | 88.2     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1038.9     | 103.9    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 3013.4     | 100.4    |

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



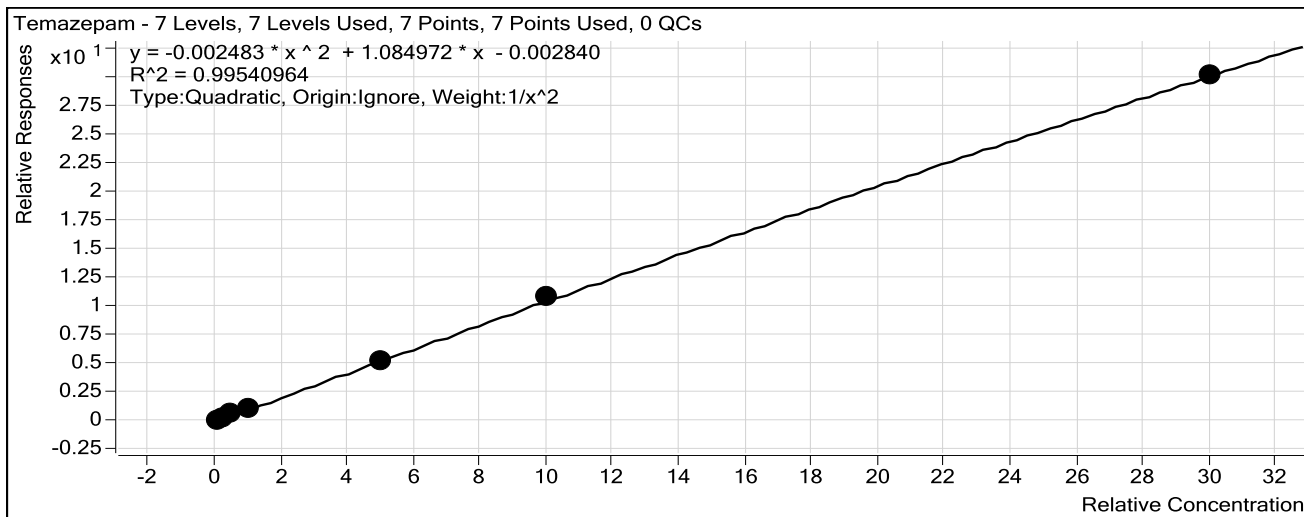
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.4       | 104.3    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.7       | 86.6     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 52.0       | 103.9    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 102.7      | 102.7    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 494.1      | 98.8     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1055.8     | 105.6    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2942.4     | 98.1     |

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



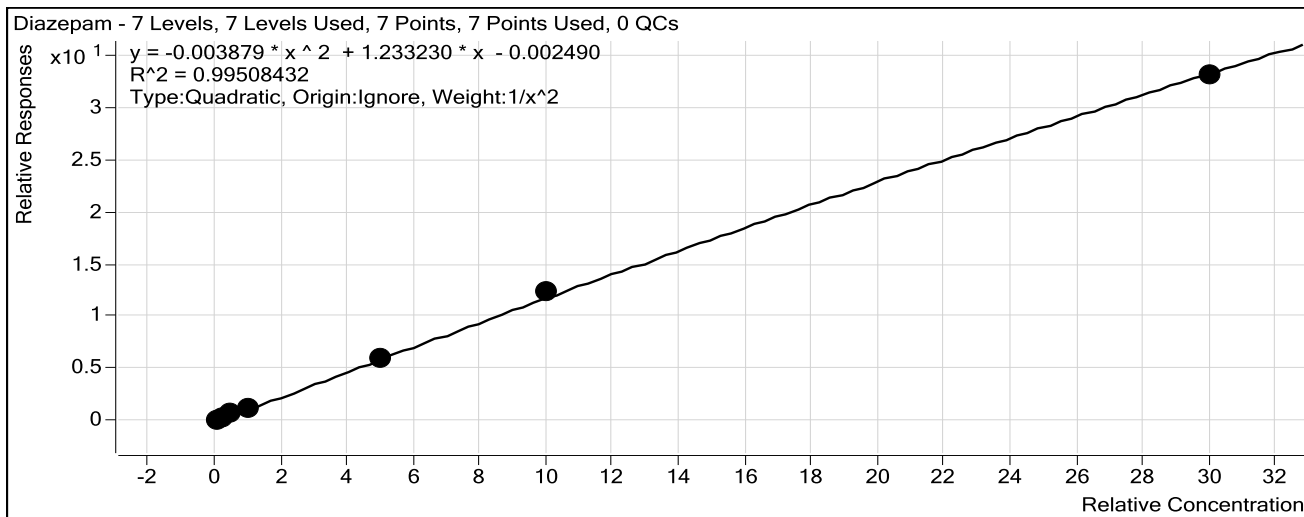
| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.3       | 103.1    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 22.1       | 88.5     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 53.3       | 106.6    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 102.4      | 102.4    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 489.3      | 97.9     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1021.0     | 102.1    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2985.3     | 99.5     |

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann  
Reinjects\QuantResults\111617 BENZ CS.batch.bin  
**Last Calib Update** 11/17/2017 8:47 AM **Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 1     | <input checked="" type="checkbox"/> | 10       | 10.4       | 103.7    |
| 25 ng/mL   | 2     | <input checked="" type="checkbox"/> | 25       | 21.9       | 87.6     |
| 50 ng/mL   | 3     | <input checked="" type="checkbox"/> | 50       | 52.6       | 105.3    |
| 100 ng/mL  | 4     | <input checked="" type="checkbox"/> | 100      | 101.4      | 101.4    |
| 500 ng/mL  | 5     | <input checked="" type="checkbox"/> | 500      | 498.9      | 99.8     |
| 1000 ng/mL | 6     | <input checked="" type="checkbox"/> | 1000     | 1035.5     | 103.5    |
| 3000 ng/mL | 7     | <input checked="" type="checkbox"/> | 3000     | 2958.8     | 98.6     |

## Pocatello

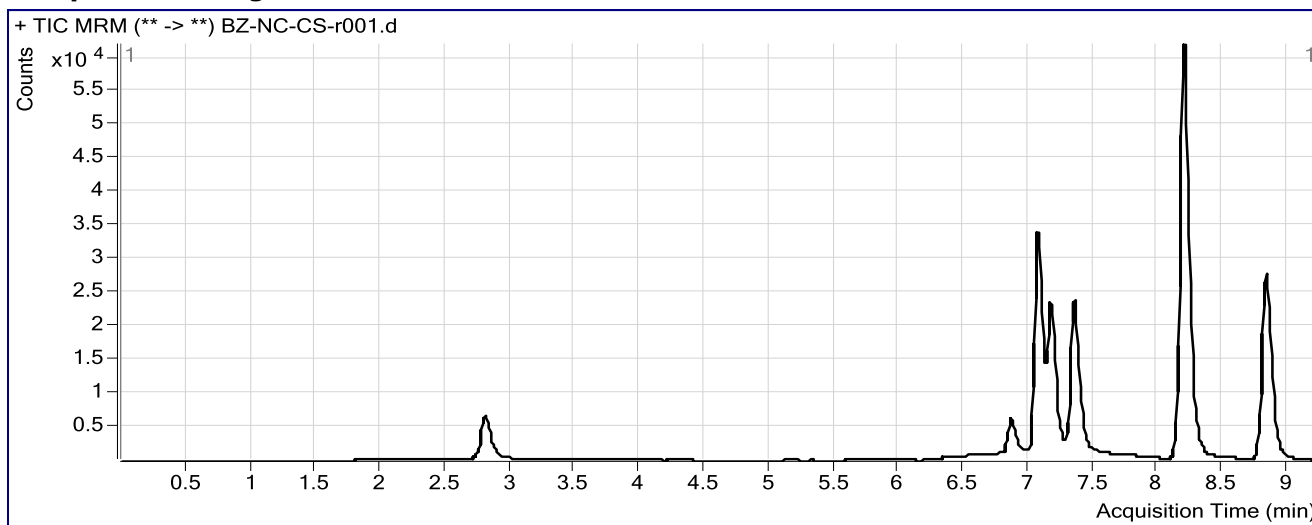
## Benzodiazepine Analysis Report

|                          |  |                      |           |
|--------------------------|--|----------------------|-----------|
| <b>Batch Data Path</b>   | C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\11161 |                      |           |
| <b>Analysis Time</b>     | 11/17/2017 8:47 AM   | <b>Analyst Name</b>  | ISPUser   |
| <b>Report Time</b>       | 11/17/2017 8:50 AM   | <b>Reporter Name</b> | ISPUser   |
| <b>Last Calib Update</b> | 11/17/2017 8:47 AM   | <b>Batch State</b>   | Processed |

## Analysis Info

|                    |                  |                    |   |
|--------------------|------------------|--------------------|---|
| <b>Acq Time</b>    | 2017-11-16 18:53 | <b>Data File</b>   | BZ-NC-CS-r001.d                             |
| <b>Sample Type</b> | Sample           | <b>Sample Name</b> | Negative Control                            |
| <b>Dilution</b>    | 1                | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m            |
| <b>Position</b>    | P1-B3            | <b>Sample Info</b> | Negative Urine lot POC112116; Worklist 2024 |
| <b>Inj Vol</b>     | -1               | <b>Comment</b>     | AM 13 Benzo and Z by LCQQQ                  |

## Sample Chromatogram



CJ

# ISP FORENSICS

## Pocatello

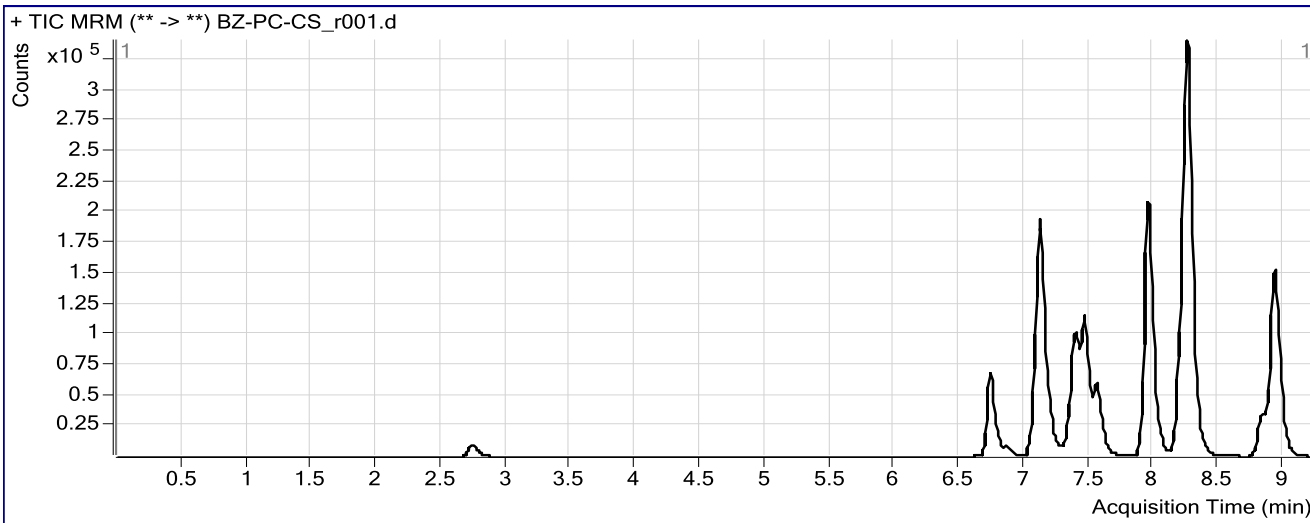
### Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 18:37 **Data File** BZ-PC-CS\_r001.d  
**Sample Type** Sample **Sample Name** Positive Control  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-B2 **Sample Info** 300 ng/mL Benzodiazepines Mix Cerilliant lot FE012413-02 in neg LOT PC  
**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              | 6.730 | 190410   | 82693     | 2.3026     | 380.9154   |
| Oxazepam      | Nordiazepam-D5 ISTD             | 7.109 | 480539   | 50583     | 9.5000     | 345.9650   |
| Clonazepam    | Clonazepam-D4 ISTD              | 7.384 | 295860   | 82693     | 3.5778     | 394.6063   |
| Lorazepam     | Nordiazepam-D5 ISTD             | 7.450 | 107846   | 50583     | 2.1321     | 388.9281   |
| Alprazolam    | alphanhydroxyalprazolam-D5 ISTD | 7.554 | 177497   | 18081     | 9.8168     | 360.7480   |
| Flunitrazepam | Clonazepam-D4 ISTD              | 7.935 | 703183   | 82693     | 8.5035     | 415.8327   |
| Temazepam     | Temazepam-D5 ISTD               | 8.249 | 1237003  | 287114    | 4.3084     | 401.0397   |
| Diazepam      | Diazepam-D5 ISTD                | 8.917 | 557884   | 101556    | 5.4934     | 452.0772   |

Pocatello

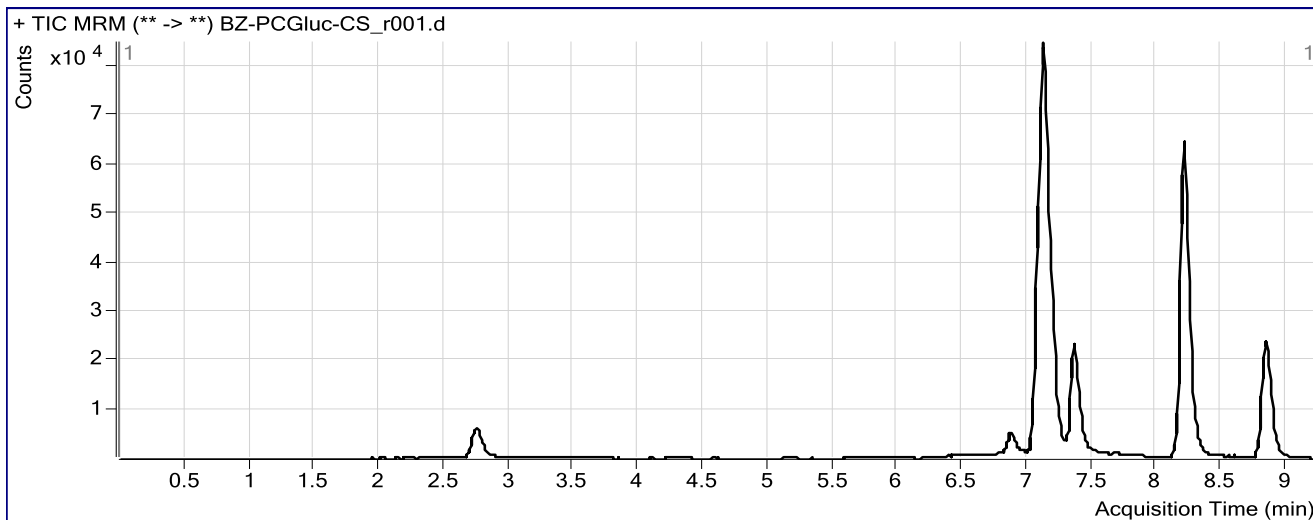
Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2017-11-16 18:06 **Data File** BZ-PCGluc-CS\_r001.d  
**Sample Type** Sample **Sample Name** Positive Glucuronide Control  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A9 **Sample Info** 300 ng/mL Alltech lot 715-5035 in neg lot POC112116; Worklist 2024  
**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 | Nordiazepam-D5 ISTD | 7.117 | 188124   | 47659     | 3.9473     | 143.4509   |

# ISP FORENSICS

## Pocatello

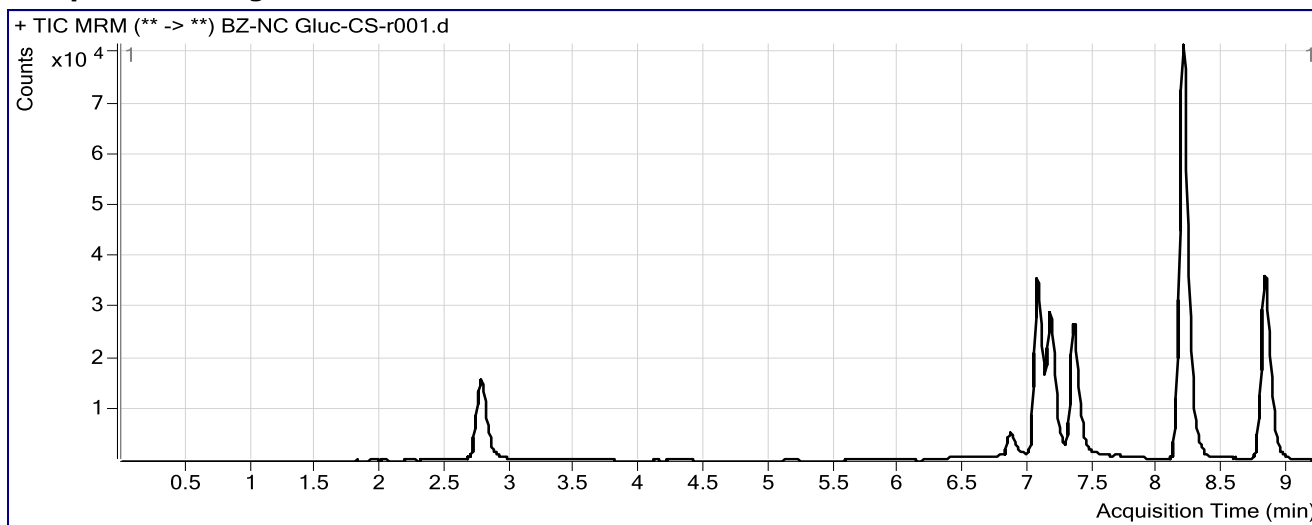
### Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\11161  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 18:21 **Data File** BZ-NC Gluc-CS-r001.d  
**Sample Type** Sample **Sample Name** Negative Glucuronide Control  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-B1 **Sample Info** 300 ng/mL Alltech lot 715-5035 in neg lot POC112116; Wo  
**Inj Vol** -1 **Comment** AM 13 Benzo and Z by LCQQQ

#### Sample Chromatogram





CS

# ISP FORENSICS

## Pocatello

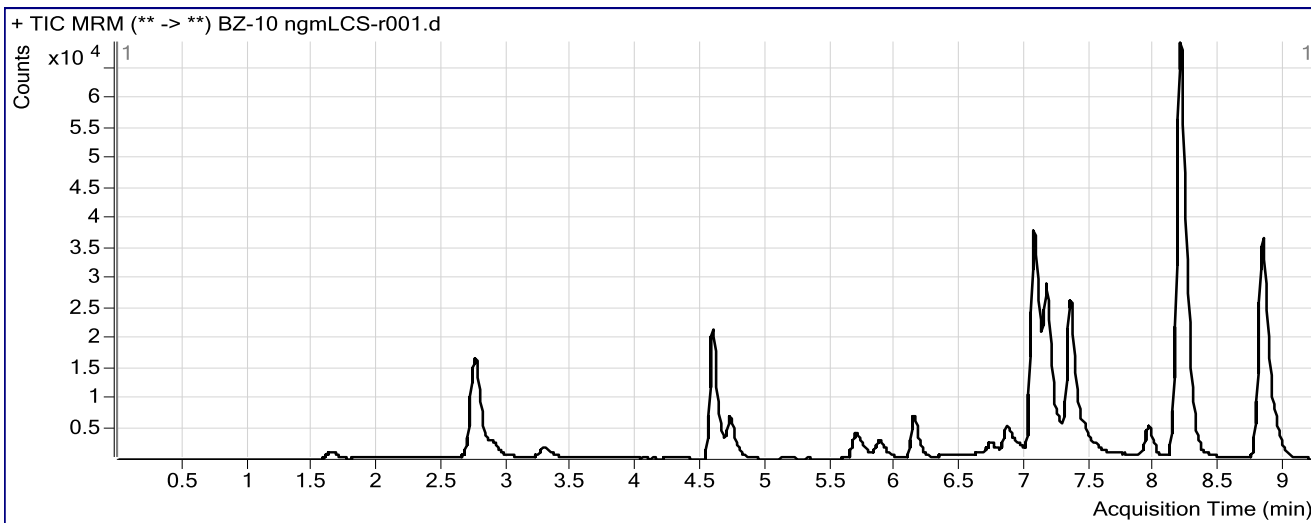
### Benzodiazepine Analysis Report

|                          |   |                      |           |
|--------------------------|---|----------------------|-----------|
| <b>Batch Data Path</b>   | C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t |                      |           |
| <b>Analysis Time</b>     | 11/17/2017 8:47 AM  | <b>Analyst Name</b>  | ISPUser   |
| <b>Report Time</b>       | 11/17/2017 8:49 AM  | <b>Reporter Name</b> | ISPUser   |
| <b>Last Calib Update</b> | 11/17/2017 8:47 AM  | <b>Batch State</b>   | Processed |

#### Analysis Info

|                    |                  |                    |                                  |
|--------------------|------------------|--------------------|----------------------------------|
| <b>Acq Time</b>    | 2017-11-16 16:01 | <b>Data File</b>   | BZ-10 ngmLCS-r001.d              |
| <b>Sample Type</b> | Calibration      | <b>Sample Name</b> | 10 ngmL                          |
| <b>Dilution</b>    | 1                | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m |
| <b>Position</b>    | P1-A2            | <b>Sample Info</b> | Worklist 2024                    |
| <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 ISTD   | 1.640 | 4770     | 80173     | 0.0595     | 10.2713    |
| 7-Aminoflunitrazepam   | 7-Aminoflunitrazepam-D7 ISTD   | 2.887 | 8239     | 80173     | 0.1028     | 10.1445    |
| zopiclone              | Nordiazepam-D5 ISTD            | 3.282 | 5511     | 52573     | 0.1048     | 10.7275    |
| zolpidem               | Nordiazepam-D5 ISTD            | 4.577 | 72790    | 52573     | 1.3846     | 9.7022     |
| Chlordiazepoxide       | Nordiazepam-D5 ISTD            | 4.715 | 20739    | 52573     | 0.3945     | 11.4573    |
| quetiapine             | Temazepam-D5 ISTD              | 5.682 | 16740    | 263275    | 0.0636     | 9.8913     |
| Midazolam              | Clonazepam-D4 ISTD             | 5.869 | 10962    | 78890     | 0.1390     | 10.3894    |
| Flurazepam             | Diazepam-D5 ISTD               | 6.122 | 26898    | 114621    | 0.2347     | 10.2665    |
| Nitrazepam             | Clonazepam-D4 ISTD             | 6.722 | 5236     | 78890     | 0.0664     | 10.4709    |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD            | 6.935 | 3175     | 52573     | 0.0604     | 15.8510    |
| Oxazepam               | Nordiazepam-D5 ISTD            | 7.101 | 14770    | 52573     | 0.2809     | 10.3116    |
| Nordiazepam            | Nordiazepam-D5 ISTD            | 7.254 | 9143     | 52573     | 0.1739     | 10.6835    |
| Clonazepam             | Clonazepam-D4 ISTD             | 7.376 | 7415     | 78890     | 0.0940     | 10.2898    |
| Lorazepam              | Nordiazepam-D5 ISTD            | 7.450 | 3428     | 52573     | 0.0652     | 10.0865    |
| Alprazolam             | alphahydroxyalprazolam-D5 ISTD | 7.546 | 4110     | 12883     | 0.3190     | 10.1404    |
| Flunitrazepam          | Clonazepam-D4 ISTD             | 7.935 | 16922    | 78890     | 0.2145     | 10.4267    |
| Temazepam              | Temazepam-D5 ISTD              | 8.241 | 28688    | 263275    | 0.1090     | 10.3075    |
| Diazepam               | Diazepam-D5 ISTD               | 8.917 | 14374    | 114621    | 0.1254     | 10.3738    |

# ISP FORENSICS

## Pocatello

### Benzodiazepine Analysis Report

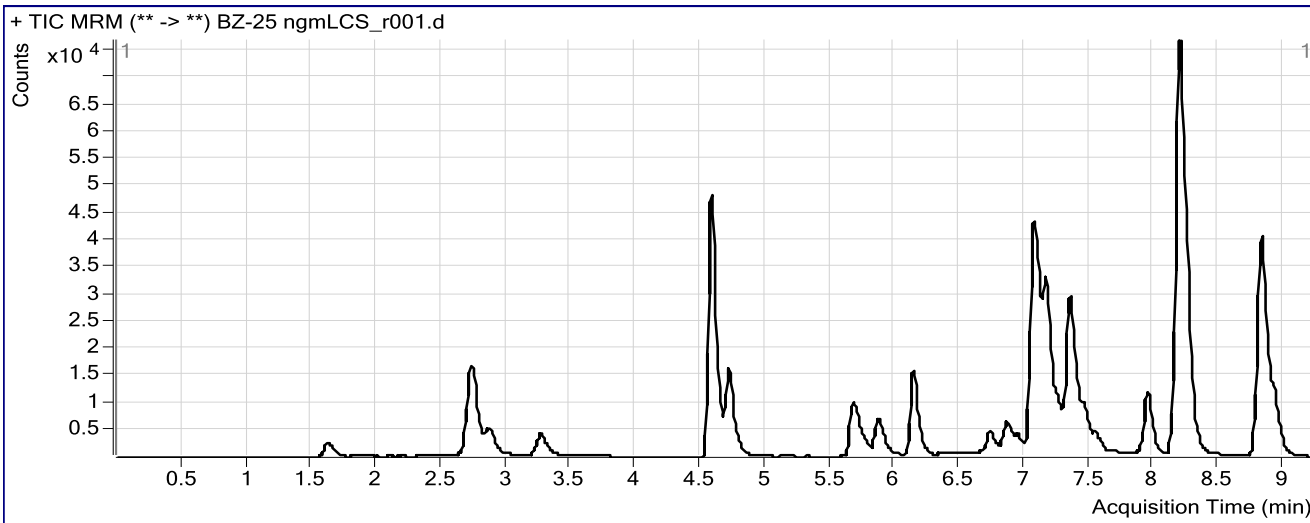
CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2017-11-16 16:17 **Data File** BZ-25 ngmLCS\_r001.d  
**Sample Type** Calibration **Sample Name** 25 ngmL  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A3 **Sample Info** Worklist 2024  
**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   | 1.631 | 10375    | 80439     | 0.1290     | 22.2931    |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 2.871 | 18016    | 80439     | 0.2240     | 22.9123    |
| zopiclone               | Nordiazepam-D5 ISTD            | 3.265 | 12531    | 58122     | 0.2156     | 20.1677    |
| zolpidem                | Nordiazepam-D5 ISTD            | 4.577 | 164781   | 58122     | 2.8351     | 21.2807    |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 4.715 | 47631    | 58122     | 0.8195     | 21.0010    |
| quetiapine              | Temazepam-D5 ISTD              | 5.674 | 38949    | 283802    | 0.1372     | 21.2730    |
| Midazolam               | Clonazepam-D4 ISTD             | 5.869 | 25517    | 84976     | 0.3003     | 21.8138    |
| Flurazepam              | Diazepam-D5 ISTD               | 6.130 | 59837    | 124850    | 0.4793     | 21.6050    |
| Nitrazepam              | Clonazepam-D4 ISTD             | 6.730 | 11225    | 84976     | 0.1321     | 21.4529    |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.886 | 1936     | 14959     | 0.1294     | 23.7746    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 6.944 | 5711     | 58122     | 0.0983     | 23.6440    |
| Oxazepam                | Nordiazepam-D5 ISTD            | 7.109 | 35324    | 58122     | 0.6078     | 22.1608    |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.254 | 19651    | 58122     | 0.3381     | 21.4214    |
| Clonazepam              | Clonazepam-D4 ISTD             | 7.384 | 17839    | 84976     | 0.2099     | 22.8488    |
| Lorazepam               | Nordiazepam-D5 ISTD            | 7.450 | 8002     | 58122     | 0.1377     | 23.3021    |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 7.546 | 9845     | 14959     | 0.6582     | 22.5985    |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 7.935 | 37947    | 84976     | 0.4466     | 21.6614    |
| Temazepam               | Temazepam-D5 ISTD              | 8.241 | 67277    | 283802    | 0.2371     | 22.1222    |
| Diazepam                | Diazepam-D5 ISTD               | 8.917 | 33383    | 124850    | 0.2674     | 21.8989    |

CJ

# ISP FORENSICS

## Pocatello

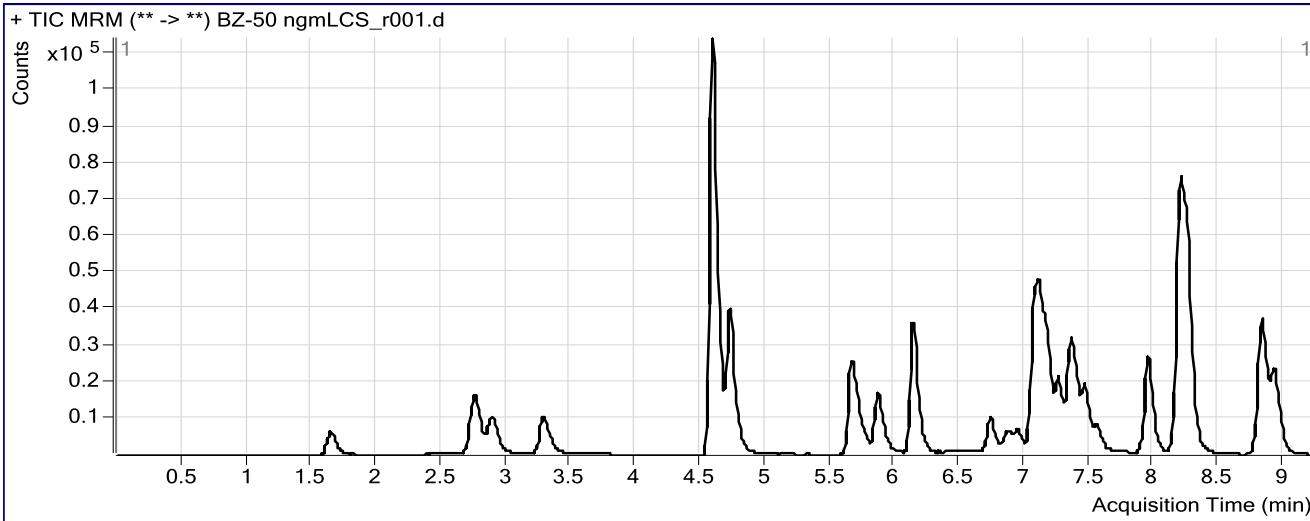
### Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 16:32 **Data File** BZ-50 ngmLCS\_r001.d  
**Sample Type** Calibration **Sample Name** 50 ngmL  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A4 **Sample Info** Worklist 2024  
**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   | 1.648 | 24011    | 77157     | 0.3112     | 53.8430    |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 2.896 | 39993    | 77157     | 0.5183     | 53.9938    |
| zopiclone               | Nordiazepam-D5 ISTD            | 3.282 | 32182    | 53455     | 0.6020     | 51.6766    |
| zolpidem                | Nordiazepam-D5 ISTD            | 4.586 | 386947   | 53455     | 7.2387     | 56.4195    |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 4.723 | 116610   | 53455     | 2.1814     | 51.5331    |
| quetiapine              | Temazepam-D5 ISTD              | 5.657 | 95614    | 270661    | 0.3533     | 54.6868    |
| Midazolam               | Clonazepam-D4 ISTD             | 5.860 | 58789    | 81292     | 0.7232     | 51.7415    |
| Flurazepam              | Diazepam-D5 ISTD               | 6.130 | 138634   | 112906    | 1.2279     | 56.3296    |
| Nitrazepam              | Clonazepam-D4 ISTD             | 6.730 | 25497    | 81292     | 0.3136     | 51.7578    |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.894 | 4129     | 14149     | 0.2919     | 55.3549    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 6.944 | 13561    | 53455     | 0.2537     | 55.6514    |
| Oxazepam                | Nordiazepam-D5 ISTD            | 7.109 | 78363    | 53455     | 1.4660     | 53.2941    |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.254 | 44466    | 53455     | 0.8318     | 53.7241    |
| Clonazepam              | Clonazepam-D4 ISTD             | 7.384 | 37988    | 81292     | 0.4673     | 50.7837    |
| Lorazepam               | Nordiazepam-D5 ISTD            | 7.450 | 15970    | 53455     | 0.2988     | 52.6963    |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 7.554 | 21919    | 14149     | 1.5492     | 55.3475    |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 7.935 | 87112    | 81292     | 1.0716     | 51.9525    |
| Temazepam               | Temazepam-D5 ISTD              | 8.249 | 155517   | 270661    | 0.5746     | 53.2849    |
| Diazepam                | Diazepam-D5 ISTD               | 8.917 | 72903    | 112906    | 0.6457     | 52.6474    |

# ISP FORENSICS

## Pocatello

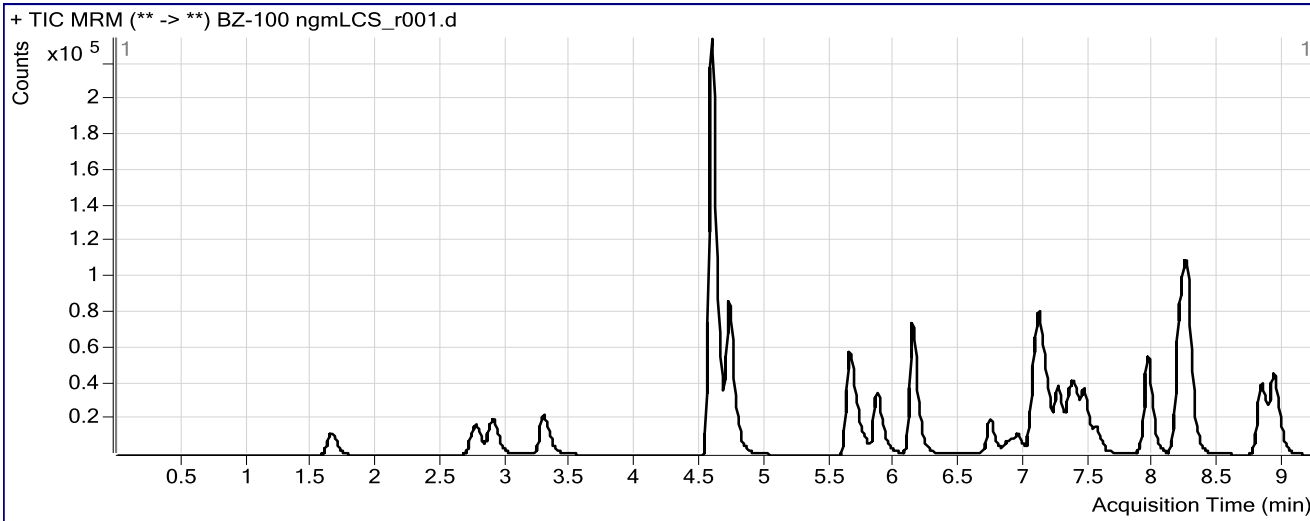
### Benzodiazepine Analysis Report

|                          |   |                      |           |
|--------------------------|---|----------------------|-----------|
| <b>Batch Data Path</b>   | C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t |                      |           |
| <b>Analysis Time</b>     | 11/17/2017 8:47 AM  | <b>Analyst Name</b>  | ISPUser   |
| <b>Report Time</b>       | 11/17/2017 8:50 AM  | <b>Reporter Name</b> | ISPUser   |
| <b>Last Calib Update</b> | 11/17/2017 8:47 AM  | <b>Batch State</b>   | Processed |

#### Analysis Info

|                    |                  |                    |                                  |
|--------------------|------------------|--------------------|----------------------------------|
| <b>Acq Time</b>    | 2017-11-16 16:48 | <b>Data File</b>   | BZ-100 ngmLCS_r001.d             |
| <b>Sample Type</b> | Calibration      | <b>Sample Name</b> | 100 ngmL                         |
| <b>Dilution</b>    | 1                | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m |
| <b>Position</b>    | P1-A5            | <b>Sample Info</b> | Worklist 2024                    |
| <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 ISTD   | 1.656 | 48485    | 83110     | 0.5834     | 101.0274   |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 2.896 | 82357    | 83110     | 0.9909     | 104.1169   |
| zopiclone               | Nordiazepam-D5 ISTD            | 3.282 | 70419    | 59088     | 1.1918     | 96.1988    |
| zolpidem                | Nordiazepam-D5 ISTD            | 4.577 | 804528   | 59088     | 13.6158    | 107.2749   |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 4.715 | 254267   | 59088     | 4.3032     | 98.9482    |
| quetiapine              | Temazepam-D5 ISTD              | 5.640 | 208305   | 293301    | 0.7102     | 110.0143   |
| Midazolam               | Clonazepam-D4 ISTD             | 5.860 | 127044   | 85679     | 1.4828     | 105.4370   |
| Flurazepam              | Diazepam-D5 ISTD               | 6.122 | 280215   | 125043    | 2.2409     | 103.3750   |
| Nitrazepam              | Clonazepam-D4 ISTD             | 6.730 | 52822    | 85679     | 0.6165     | 102.2162   |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.886 | 8077     | 15543     | 0.5196     | 99.5941    |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 6.935 | 27761    | 59088     | 0.4698     | 100.1751   |
| Oxazepam                | Nordiazepam-D5 ISTD            | 7.109 | 166423   | 59088     | 2.8165     | 102.3401   |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.254 | 91502    | 59088     | 1.5486     | 100.6506   |
| Clonazepam              | Clonazepam-D4 ISTD             | 7.384 | 80336    | 85679     | 0.9376     | 102.0298   |
| Lorazepam               | Nordiazepam-D5 ISTD            | 7.450 | 33216    | 59088     | 0.5621     | 100.8101   |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 7.546 | 45030    | 15543     | 2.8971     | 104.9519   |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 7.935 | 181320   | 85679     | 2.1163     | 102.6877   |
| Temazepam               | Temazepam-D5 ISTD              | 8.241 | 324253   | 293301    | 1.1055     | 102.3963   |
| Diazepam                | Diazepam-D5 ISTD               | 8.917 | 155534   | 125043    | 1.2438     | 101.3855   |

CS

# ISP FORENSICS

## Pocatello

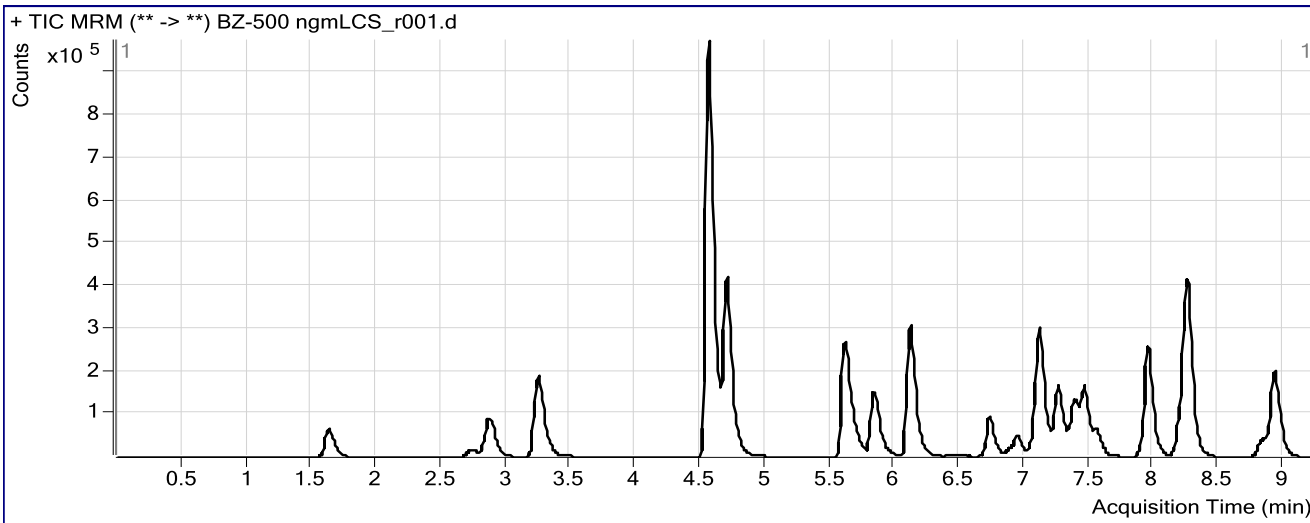
### Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 17:03 **Data File** BZ-500 ngmLCS\_r001.d  
**Sample Type** Calibration **Sample Name** 500 ngmL  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A6 **Sample Info** Worklist 2024  
**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   | 1.631 | 251700   | 89215     | 2.8213     | 491.5604   |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7<br>ISTD   | 2.871 | 392616   | 89215     | 4.4008     | 474.1914   |
| zopiclone               | Nordiazepam-D5 ISTD               | 3.240 | 597551   | 57680     | 10.3597    | 559.2592   |
| zolpidem                | Nordiazepam-D5 ISTD               | 4.552 | 3547100  | 57680     | 61.4957    | 487.9227   |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD               | 4.698 | 1276107  | 57680     | 22.1237    | 490.1950   |
| quetiapine              | Temazepam-D5 ISTD                 | 5.607 | 896221   | 293877    | 3.0496     | 476.2512   |
| Midazolam               | Clonazepam-D4 ISTD                | 5.835 | 581239   | 85669     | 6.7847     | 478.0684   |
| Flurazepam              | Diazepam-D5 ISTD                  | 6.105 | 1245822  | 121115    | 10.2863    | 479.2144   |
| Nitrazepam              | Clonazepam-D4 ISTD                | 6.722 | 257203   | 85669     | 3.0023     | 495.4850   |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5<br>ISTD | 6.886 | 37029    | 15602     | 2.3734     | 457.7041   |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD               | 6.935 | 134010   | 57680     | 2.3233     | 482.7822   |
| Oxazepam                | Nordiazepam-D5 ISTD               | 7.109 | 785164   | 57680     | 13.6123    | 496.6358   |
| Nordiazepam             | Nordiazepam-D5 ISTD               | 7.254 | 435192   | 57680     | 7.5449     | 494.8620   |
| Clonazepam              | Clonazepam-D4 ISTD                | 7.384 | 384838   | 85669     | 4.4921     | 497.9586   |
| Lorazepam               | Nordiazepam-D5 ISTD               | 7.450 | 157598   | 57680     | 2.7323     | 499.6988   |
| Alprazolam              | alphahydroxyalprazolam-D5<br>ISTD | 7.546 | 186928   | 15602     | 11.9814    | 441.1654   |
| Flunitrazepam           | Clonazepam-D4 ISTD                | 7.935 | 863853   | 85669     | 10.0836    | 494.0953   |
| Temazepam               | Temazepam-D5 ISTD                 | 8.241 | 1541720  | 293877    | 5.2461     | 489.2667   |
| Diazepam                | Diazepam-D5 ISTD                  | 8.917 | 733197   | 121115    | 6.0537     | 498.9168   |

CJ

# ISP FORENSICS

## Pocatello

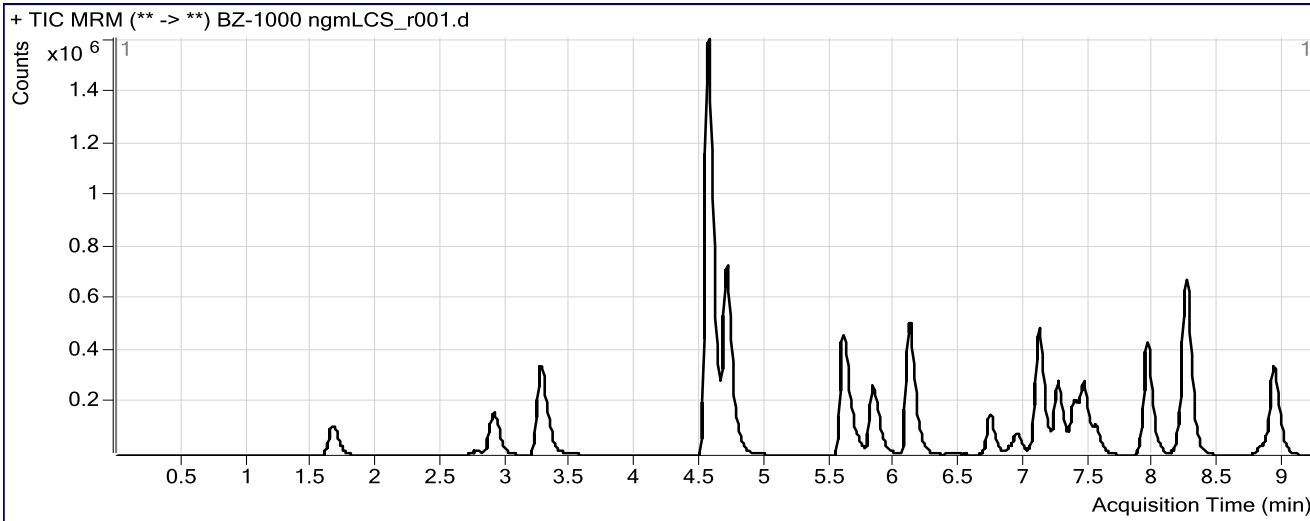
### Benzodiazepine Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 17:19 **Data File** BZ-1000 ngmLCS\_r001.d  
**Sample Type** Calibration **Sample Name** 1000 ngmL  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A7 **Sample Info** Worklist 2024  
**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   | 1.665 | 447418   | 77530     | 5.7709     | 1013.5602  |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 2.904 | 688710   | 77530     | 8.8832     | 985.7400   |
| zopiclone               | Nordiazepam-D5 ISTD            | 3.265 | 1118879  | 49016     | 22.8266    | 961.7733   |
| zolpidem                | Nordiazepam-D5 ISTD            | 4.552 | 6198674  | 49016     | 126.4613   | 1001.1266  |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 4.698 | 2298084  | 49016     | 46.8840    | 1014.5948  |
| quetiapine              | Temazepam-D5 ISTD              | 5.590 | 1552673  | 242179    | 6.4113     | 1014.0235  |
| Midazolam               | Clonazepam-D4 ISTD             | 5.827 | 1041322  | 68969     | 15.0984    | 1054.9888  |
| Flurazepam              | Diazepam-D5 ISTD               | 6.097 | 2148458  | 103191    | 20.8201    | 977.4341   |
| Nitrazepam              | Clonazepam-D4 ISTD             | 6.730 | 450782   | 68969     | 6.5360     | 1064.8877  |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.886 | 65543    | 12234     | 5.3576     | 1027.0391  |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 6.935 | 225280   | 49016     | 4.5960     | 953.8963   |
| Oxazepam                | Nordiazepam-D5 ISTD            | 7.109 | 1334470  | 49016     | 27.2250    | 999.6610   |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.254 | 746453   | 49016     | 15.2287    | 1004.3134  |
| Clonazepam              | Clonazepam-D4 ISTD             | 7.376 | 630421   | 68969     | 9.1406     | 1041.1863  |
| Lorazepam               | Nordiazepam-D5 ISTD            | 7.450 | 265025   | 49016     | 5.4069     | 997.5555   |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 7.546 | 341434   | 12234     | 27.9094    | 1038.9364  |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 7.935 | 1464349  | 68969     | 21.2320    | 1055.7712  |
| Temazepam               | Temazepam-D5 ISTD              | 8.241 | 2619475  | 242179    | 10.8163    | 1021.0331  |
| Diazepam                | Diazepam-D5 ISTD               | 8.917 | 1274557  | 103191    | 12.3514    | 1035.4797  |

# ISP FORENSICS

## Pocatello

### Benzodiazepine Analysis Report

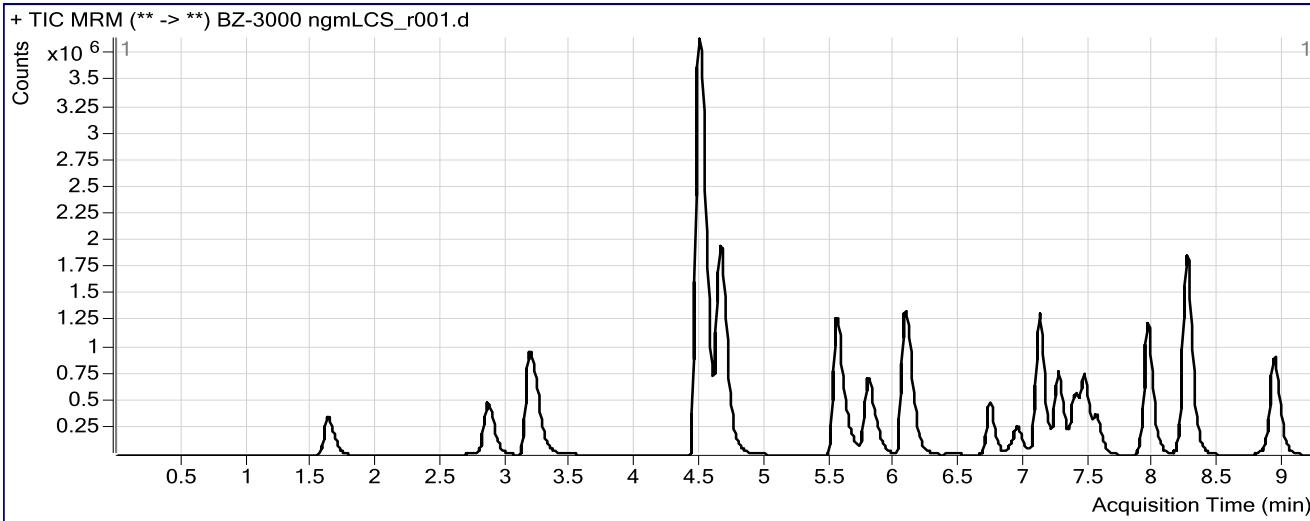
CS

**Batch Data Path** C:\MassHunter\Data\2017\Combined\111617 SP CS Benz and Cann Reinjects\QuantResults\111617 BENZ CS.t  
**Analysis Time** 11/17/2017 8:47 AM **Analyst Name** ISPUser  
**Report Time** 11/17/2017 8:50 AM **Reporter Name** ISPUser  
**Last Calib Update** 11/17/2017 8:47 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2017-11-16 17:35 **Data File** BZ-3000 ngmLCS\_r001.d  
**Sample Type** Calibration **Sample Name** 3000 ngmL  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A8 **Sample Info** Worklist 2024  
**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   | 1.631 | 1429123  | 86517     | 16.5184    | 2992.0153  |
| 7-Aminoflunitrazepam    | 7-Aminoflunitrazepam-D7 ISTD   | 2.862 | 2095708  | 86517     | 24.2231    | 3046.0912  |
| zopiclone               | Nordiazepam-D5 ISTD            | 3.182 | 3818892  | 47052     | 81.1624    | 2106.7324  |
| zolpidem                | Nordiazepam-D5 ISTD            | 4.485 | 18076325 | 47052     | 384.1735   | 3001.2734  |
| Chlordiazepoxide        | Nordiazepam-D5 ISTD            | 4.657 | 7036714  | 47052     | 149.5503   | 2997.1680  |
| quetiapine              | Temazepam-D5 ISTD              | 5.546 | 4471117  | 247556    | 18.0610    | 2998.8772  |
| Midazolam               | Clonazepam-D4 ISTD             | 5.794 | 3241828  | 74487     | 43.5219    | 2964.2031  |
| Flurazepam              | Diazepam-D5 ISTD               | 6.072 | 6724528  | 107042    | 62.8216    | 3039.1892  |
| Nitrazepam              | Clonazepam-D4 ISTD             | 6.722 | 1405002  | 74487     | 18.8623    | 2943.6898  |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.894 | 226564   | 14065     | 16.1083    | 3010.4750  |
| alpha-hydroxytriazolam  | Nordiazepam-D5 ISTD            | 6.935 | 688269   | 47052     | 14.6277    | 3060.1117  |
| Oxazepam                | Nordiazepam-D5 ISTD            | 7.109 | 3745235  | 47052     | 79.5969    | 3000.5999  |
| Nordiazepam             | Nordiazepam-D5 ISTD            | 7.254 | 2098943  | 47052     | 44.6085    | 2999.3448  |
| Clonazepam              | Clonazepam-D4 ISTD             | 7.384 | 1741098  | 74487     | 23.3744    | 2949.2843  |
| Lorazepam               | Nordiazepam-D5 ISTD            | 7.450 | 742877   | 47052     | 15.7883    | 3000.8549  |
| Alprazolam              | alphahydroxyalprazolam-D5 ISTD | 7.546 | 1103955  | 14065     | 78.4892    | 3013.4192  |
| Flunitrazepam           | Clonazepam-D4 ISTD             | 7.935 | 4187757  | 74487     | 56.2211    | 2942.4128  |
| Temazepam               | Temazepam-D5 ISTD              | 8.241 | 7469891  | 247556    | 30.1746    | 2985.3250  |
| Diazepam                | Diazepam-D5 ISTD               | 8.917 | 3542044  | 107042    | 33.0904    | 2958.8316  |