



Worklist: 1956

P

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u>        |  |
|-----------------|-------------|----------------|---------------------------|--|
| M2017-3226      | 1           | 98027          | AM 13 Blood LCMS-QQQ Benz |    |
| M2017-3244      | 1           | 98029          | AM 13 Blood LCMS-QQQ Benz |    |
| M2017-3896      | 1           | 98054          | AM 13 Blood LCMS-QQQ Benz |    |
| M2017-3943      | 1           | 98041          | AM 13 Blood LCMS-QQQ Benz |    |
| M2017-4078      | 1           | 98055          | AM 13 Blood LCMS-QQQ Benz |    |
| M2017-4285      | 1           | 98043          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-1715      | 1           | 98050          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-1735      | 1           | 98051          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-1802      | 1           | 98036          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-1803      | 1           | 98052          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-1889      | 1           | 98053          | AM 13 Blood LCMS-QQQ Benz |    |
| P2017-2087      | 1           | 98045          | AM 13 Blood LCMS-QQQ Benz |  |
| P2017-2090      | 1           | 98056          | AM 13 Blood LCMS-QQQ Benz |  |
| P2017-2091      | 1           | 98057          | AM 13 Blood LCMS-QQQ Benz |  |
| P2017-2227      | 1           | 98058          | AM 13 Blood LCMS-QQQ Benz |  |
| P2017-2265      | 1           | 98059          | AM 13 Blood LCMS-QQQ Benz |  |

# Worklist Report

D

|                |  |
|----------------|--|
| Worklist Path: | C:\MassHunter\ISP Methods\worklists\102017 BENZ SP.wkl |
| Date Modified: | 10/20/2017 01:42:05 PM                                 |
| Date Printed:  | 10/20/2017 01:43:13 PM                                 |

## Worklist Run Parameters

|                                   |   |
|-----------------------------------|---|
| Operator Name:                    | 62340                                       |
| Run Type:                         | Standard Start                              |
| Part of Method to Run:            | Acquisition Only                            |
| Execution for Acquisition-DA:     | Synchronous                                 |
| Acquisition Method Path:          | C:\MassHunter\ISP Methods\Acquisition       |
| DA Method Path:                   | D:\MassHunter\methods                       |
| Data File Path:                   | C:\MassHunter\Data\2017\BENZ\102017 BENZ SP |
| Pre-Worklist Script:              | ---   |
| Post-Worklist Script:             | SCP_InstrumentStandby(){MH_Acq_Scripts.exe} |
| Acquisition Clean Up Script:      | ---   |
| Overlapped Injection:             | No  |
| Clear sample selection after run: | Yes   |
| Wait Time for Ready(Min):         | 10  |
| Threshold Disk Value(GB):         | 10  |
| Comment:                          | ---   |

## Plate Barcode Information

| Plate | Barcode |
|-------|---------|
| P1    |         |
| P2    |         |

## Worklist Table

| Sample Position | Sample Name | Method                           | Data File | Sample Type | Level Name | Comment                       | Info. |
|-----------------|-------------|----------------------------------|-----------|-------------|------------|-------------------------------|-------|
| P1-A1           | Blank1      | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank1.d  | Blank       |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-A1           | Blank2      | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank2.d  | Blank       |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-A1           | Blank3      | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank3.d  | Blank       |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-A2           | 10 ngmL     | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 10 ngmL.d | Calibration | 2          | AM 6.1.1 Benzo and Z by LCQQQ |       |
| P1-A3           | 25 ngmL     | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 25 ngmL.d | Calibration | 3          | AM 6.1.1 Benzo and Z by LCQQQ |       |
| P1-A4           | 50 ngmL     | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 50 ngmL.d | Calibration | 4          | AM 6.1.1 Benzo and Z by LCQQQ |       |

| Sample Position | Sample Name            | Method                           | Data File                | Sample Type | Level Name | Comment                       | Info.  |
|-----------------|------------------------|----------------------------------|--------------------------|-------------|------------|-------------------------------|--|
| P1-A5           | 100 ngmL               | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 100 ngmL.d               | Calibration | 5          | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-A6           | 500 ngmL               | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 500 ngmL.d               | Calibration | 6          | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-A7           | 1000 ngmL              | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | 1000 ngmL.d              | Calibration | 7          | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-A1           | Blank4                 | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank4.d                 | Blank       |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-A8           | Negative Blood Control | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Negative Blood Control.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | UTAK Negative Whole Blood LOT B1013                              |
| P1-A9           | Positive Blood Control | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Positive Blood Control.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Benzodiazepines Mix Cerilliant lot FE012413-02 in UTAK LOT B1013 |
| P1-A1           | Blank5                 | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank5.d                 | Blank       |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-B1           | M2017-3226             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-3226.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-B2           | M2017-3244             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-3244.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-B3           | M2017-3896             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-3896.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-B4           | M2017-3943             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-3943.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-B5           | M2017-4078             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-4078.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-B6           | M2017-4285             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | M2017-4285.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-B7           | P2017-1715             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-1715.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-B8           | P2017-1735             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-1735.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-B9           | P2017-1802             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-1802.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-C1           | P2017-1803             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-1803.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ | Blood  |
| P1-C2           | P2017-1889             | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-1889.d             | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ |  |
| P1-C3           |                        | Benzos Z Druas ACN FA ISP 2017.m |                          | Sample      |            |                               | Blood  |

| Sample Position | Sample Name | Method                           | Data File    | Sample Type | Level Name | Comment                        | Info. |
|-----------------|-------------|----------------------------------|--------------|-------------|------------|--------------------------------|-------|
|                 | P2017-2087  |                                  | P2017-2087.d |             |            | AM 6.1.1 Benzo and Z by LCQQQ  |       |
| P1-C4           | P2017-2090  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-2090.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ  |       |
| P1-C5           | P2017-2091  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-2091.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ  | Blood |
| P1-C6           | P2017-2227  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-2227.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ  |       |
| P1-C7           | P2017-2265  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | P2017-2265.d | Sample      |            | AM 6.1.1 Benzo and Z by LCQQQ  | Blood |
| P1-A1           | Blank6      | Benzos_Z_Drugs_ACN_FA_ISP_2017.m | Blank6.d     | Blank       |            | AM 6.1.2 Cannabinoids by LCQQQ |       |

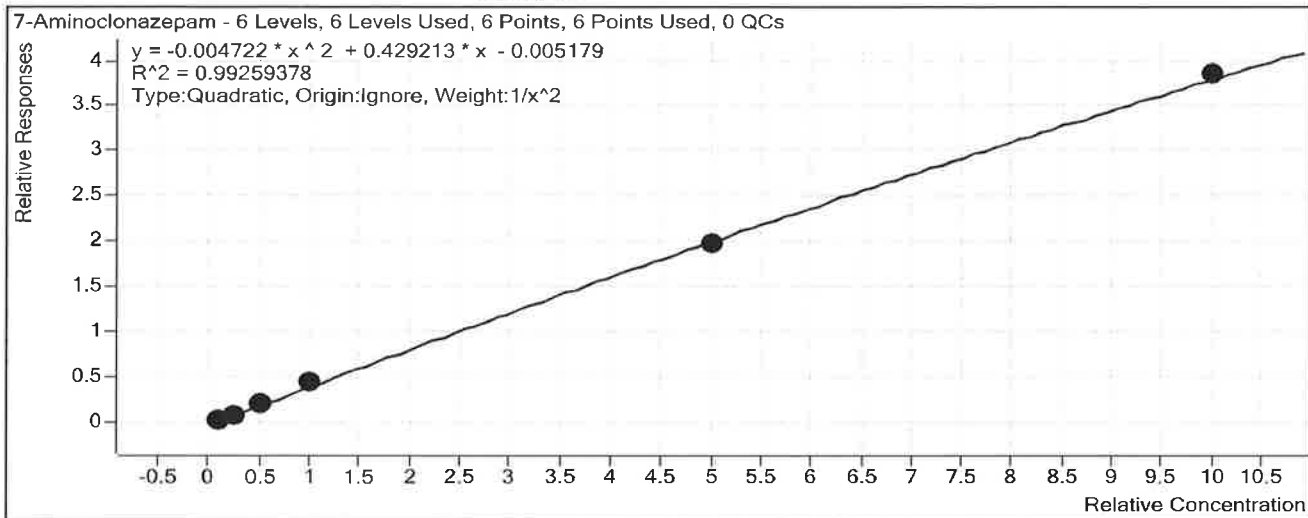
# ISP FORENSICS Calibration Curve Report

P

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.3       | 103.4    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 21.8       | 87.3     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 53.0       | 106.0    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 105.2      | 105.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 486.2      | 97.2     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1009.1     | 100.9    |

# ISP FORENSICS Calibration Curve Report

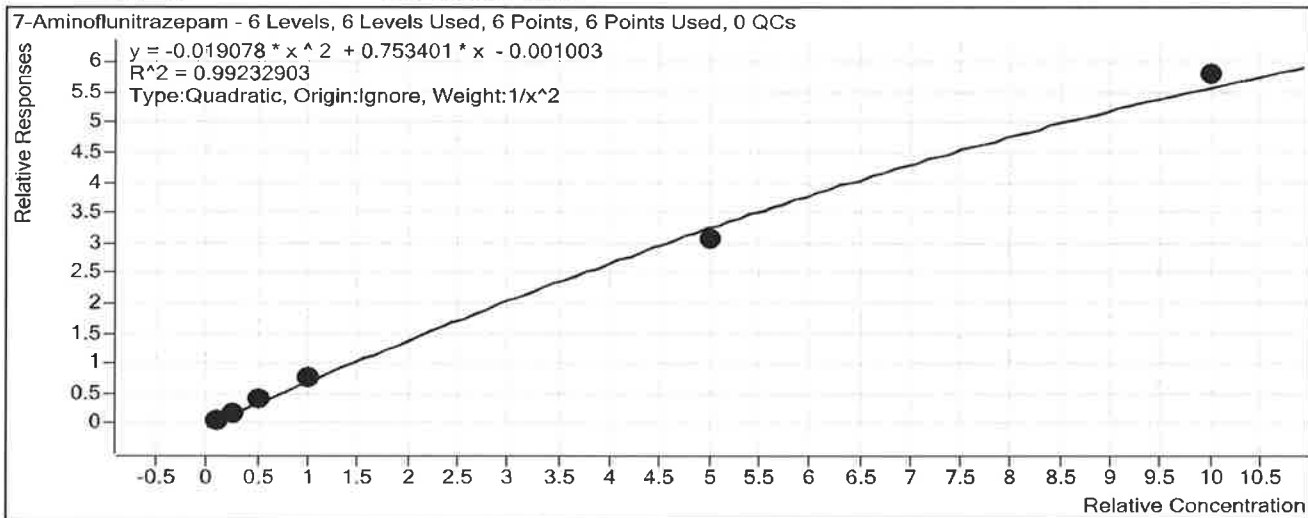
JP

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.2       | 102.4    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.4       | 89.5     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 53.7       | 107.4    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 104.2      | 104.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 463.6      | 92.7     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1046.2     | 104.6    |

# ISP FORENSICS Calibration Curve Report

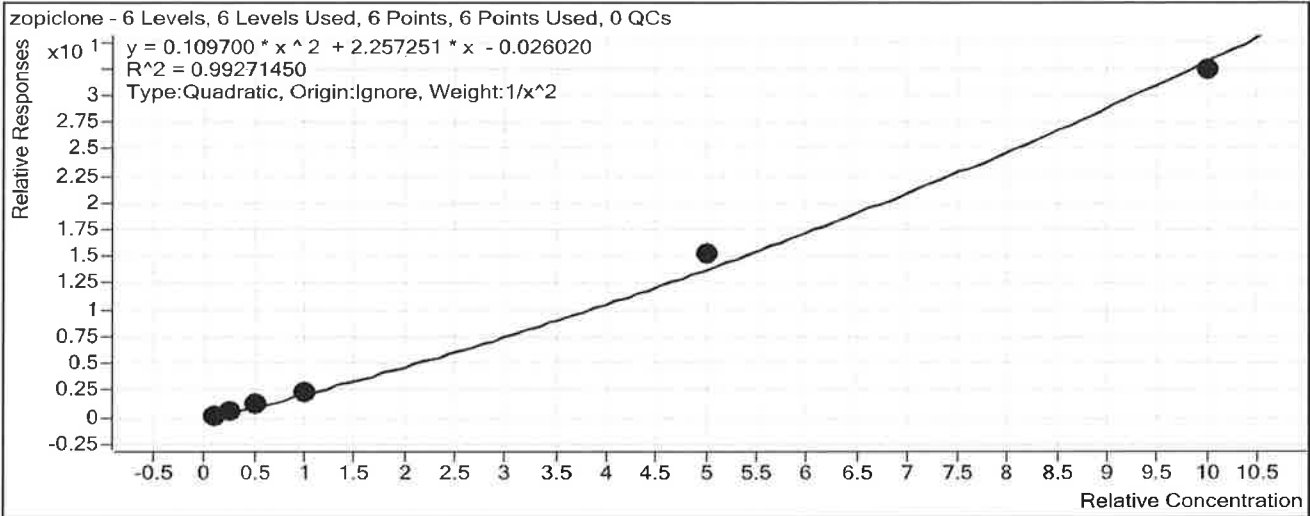
SP

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.4       | 104.5    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 21.6       | 86.2     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 52.7       | 105.4    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 98.5       | 98.5     |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 535.6      | 107.1    |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 973.6      | 97.4     |

# ISP FORENSICS Calibration Curve Report

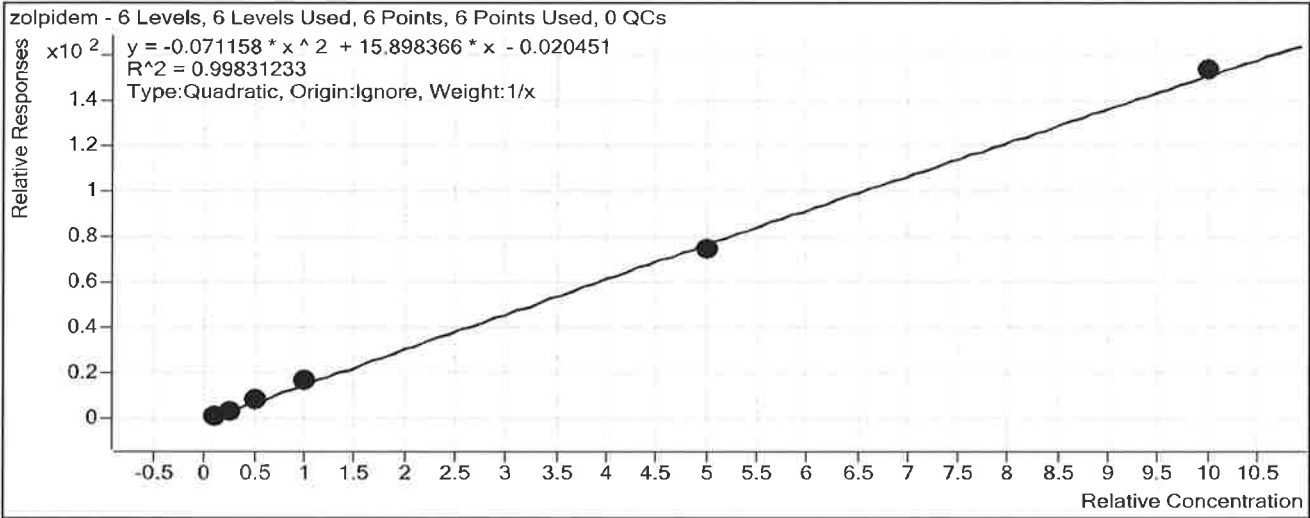
SP

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.3        | 93.0     |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.6       | 90.4     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 56.1       | 112.1    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 107.4      | 107.4    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 480.5      | 96.1     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1009.2     | 100.9    |



# ISP Forensics Calibration Curve Report

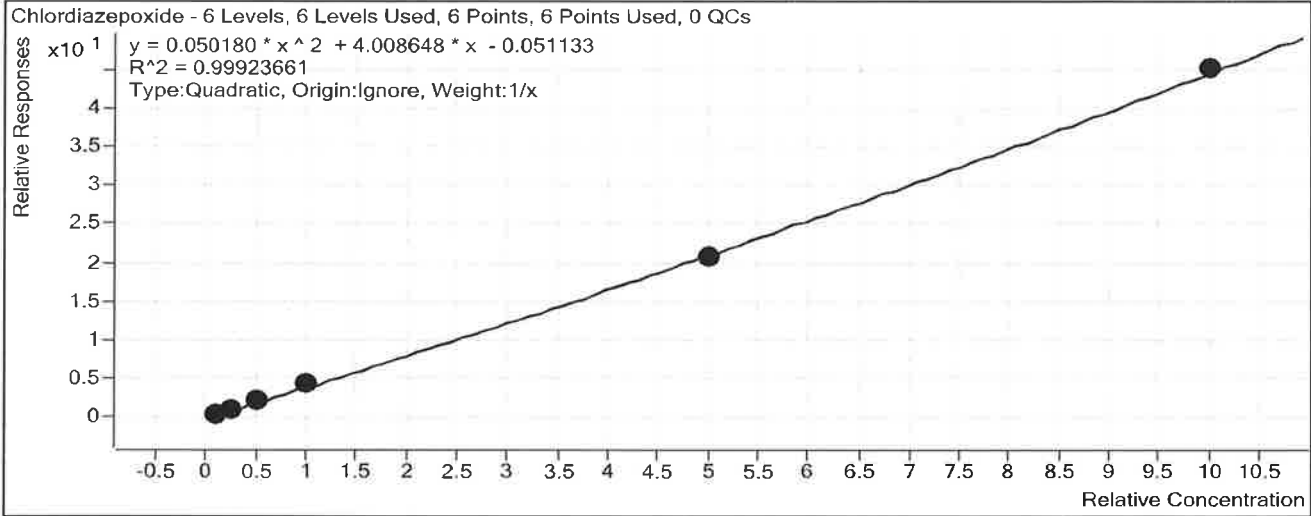
SP

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.0       | 99.9     |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.1       | 88.2     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 53.9       | 107.8    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 105.9      | 105.9    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 488.8      | 97.8     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1004.4     | 100.4    |

# ISP Forensics Calibration Curve Report

D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

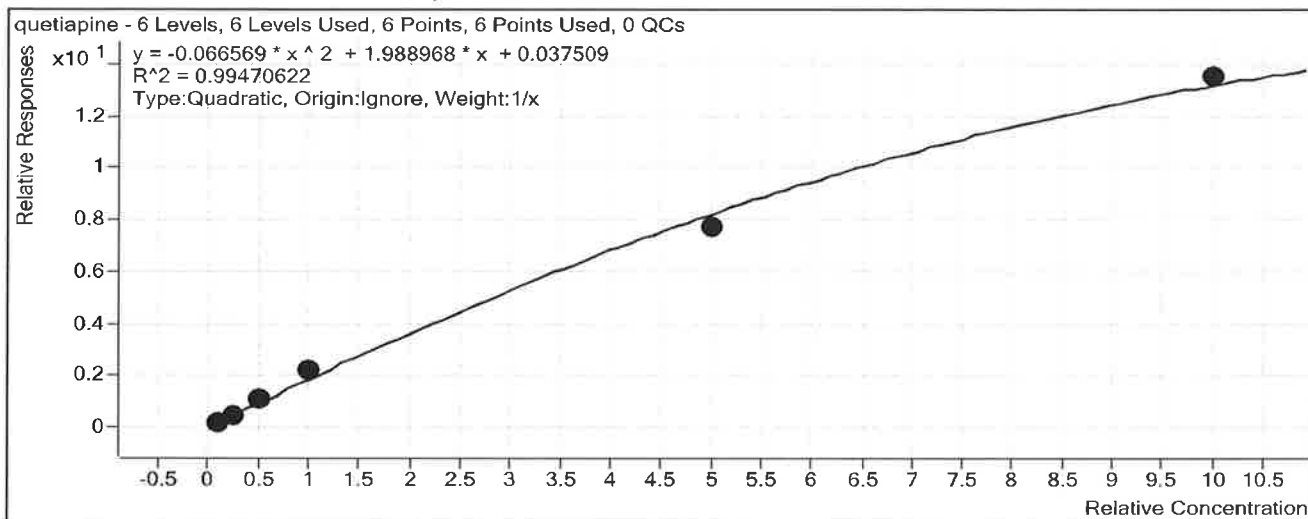
**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name**

ISP TOX

**Target Compound** *quetiapine*

**Internal Standard** *Temazepam-D5 ISTD*



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.1        | 90.6     |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.8       | 91.1     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 54.3       | 108.5    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 115.2      | 115.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 460.0      | 92.0     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1037.8     | 103.8    |

# ISP FORENSICS Calibration Curve Report

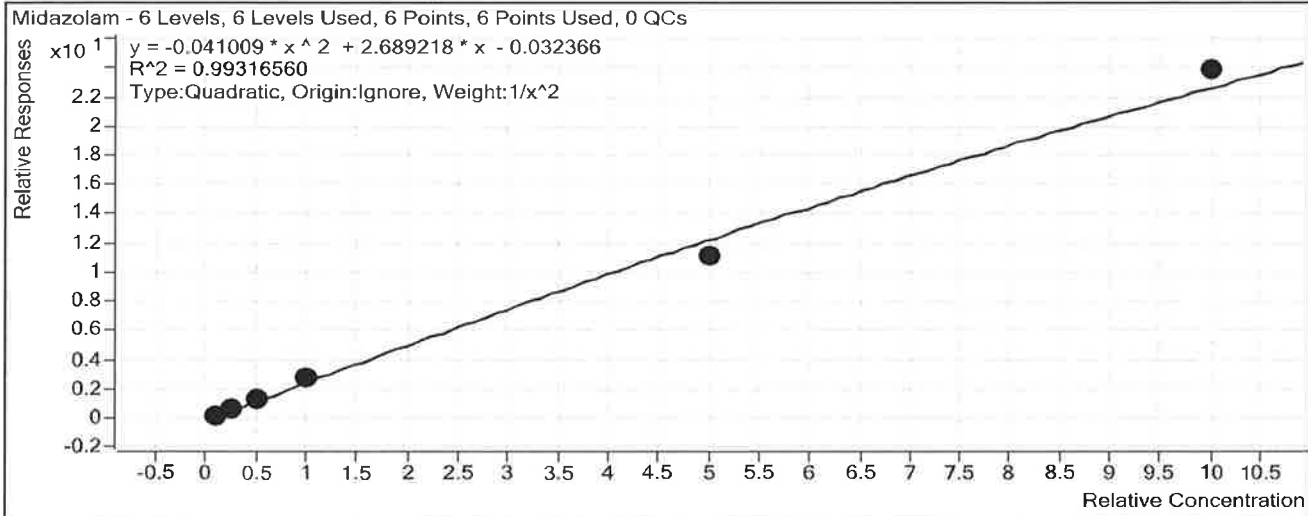
D

Batch Data Path C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

Last Calib Update 10/23/2017 10:23 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       | 10.1       | 101.1    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 23.3       | 93.0     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 53.5       | 107.0    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 104.2      | 104.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 447.0      | 89.4     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1057.6     | 105.8    |

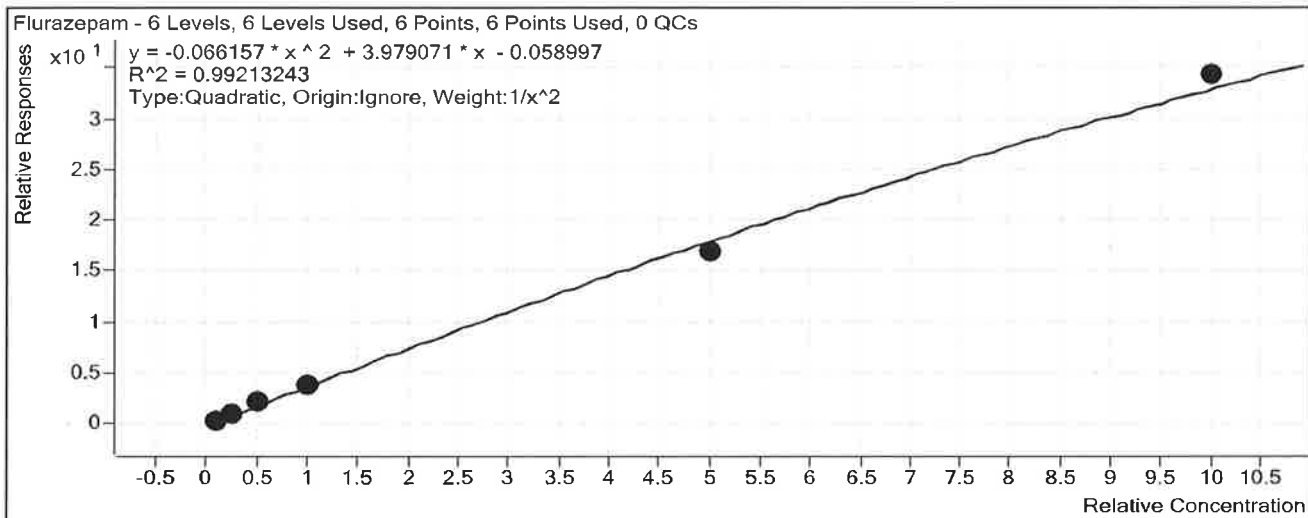
# ISP FORENSICS Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.1       | 101.5    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.8       | 91.2     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 55.3       | 110.6    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 100.5      | 100.5    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 460.5      | 92.1     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1044.6     | 104.5    |

# ISP FORENSICS Calibration Curve Report

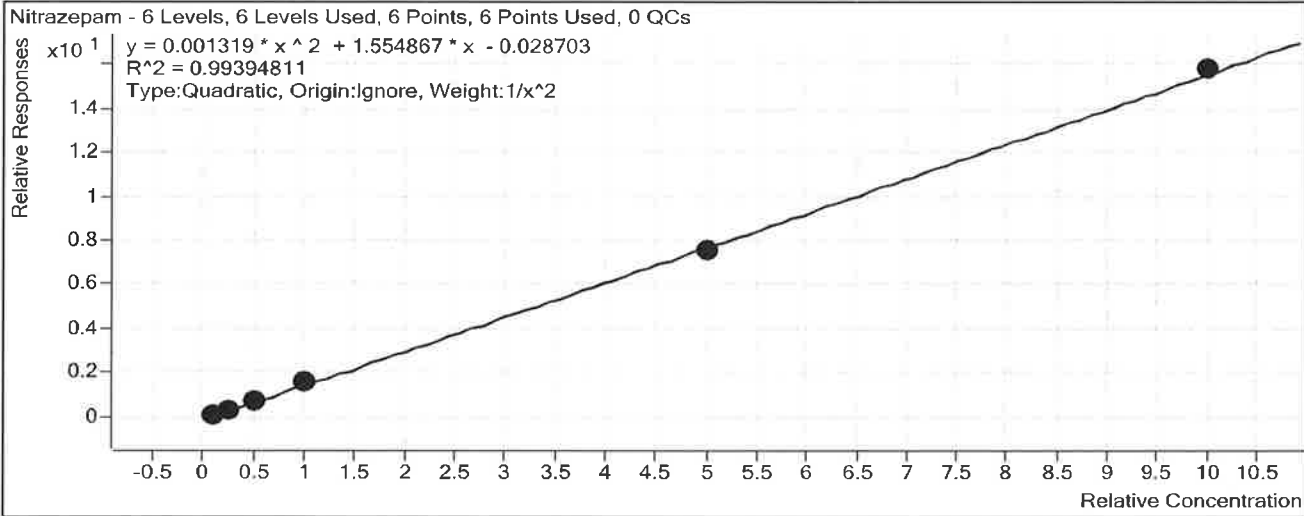
D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.3       | 103.4    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.2       | 88.8     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 50.9       | 101.7    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 108.2      | 108.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 485.8      | 97.2     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1007.6     | 100.8    |

# ISP FORENSICS Calibration Curve Report

P

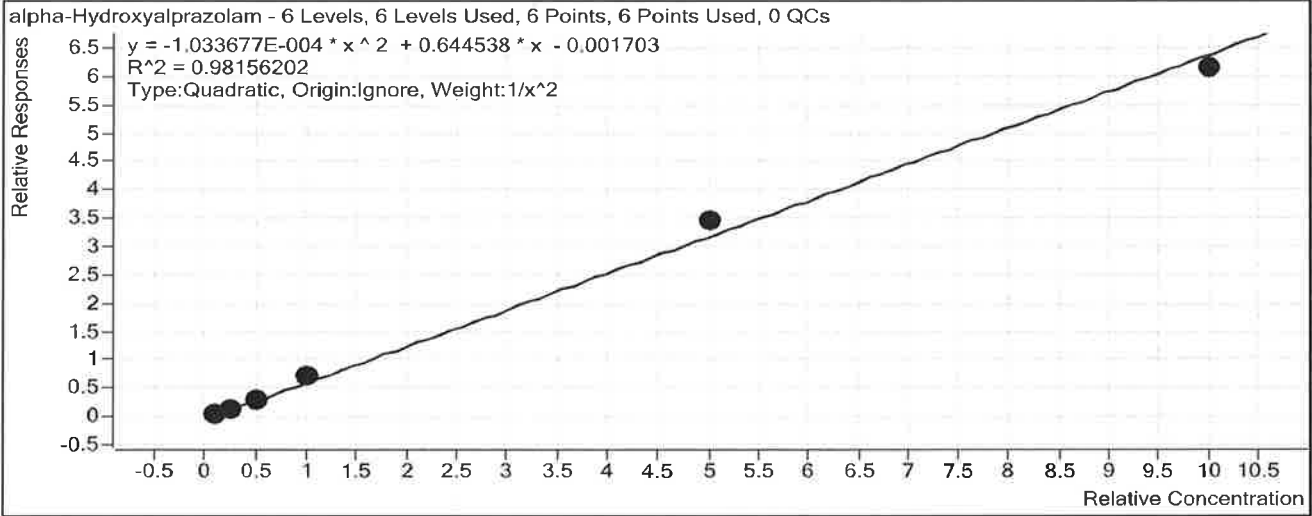
**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.6       | 106.1    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 21.4       | 85.7     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 44.9       | 89.7     |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 115.4      | 115.4    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 537.8      | 107.6    |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 954.8      | 95.5     |

# ISP Forensics Calibration Curve Report

S

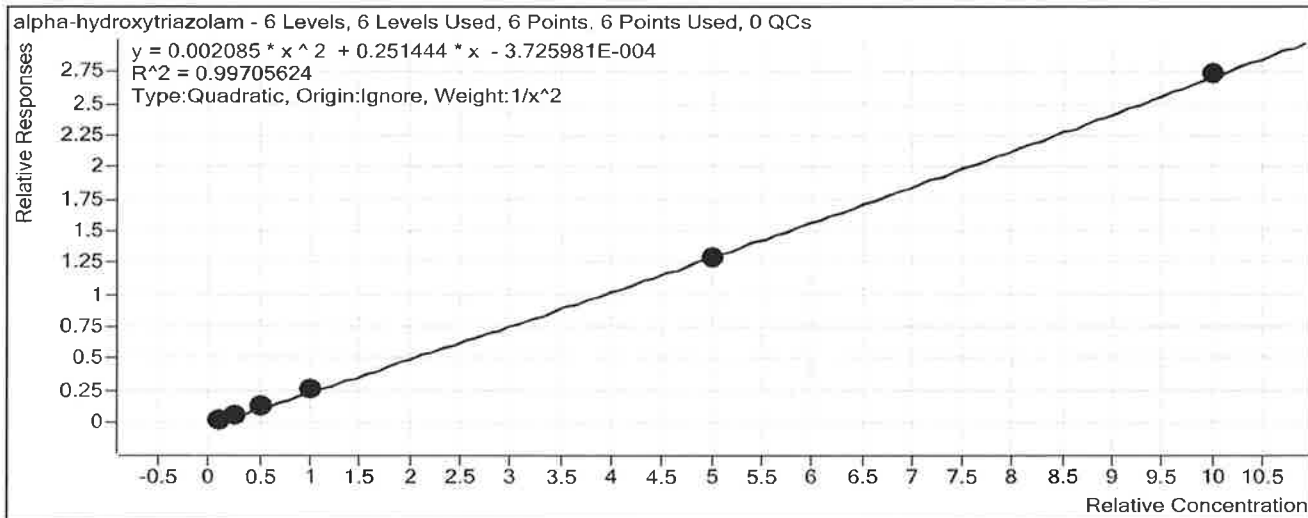
**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.3       | 102.6    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.8       | 91.3     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 51.2       | 102.4    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 104.6      | 104.6    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 494.9      | 99.0     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1001.3     | 100.1    |

# ISP Forensics Calibration Curve Report

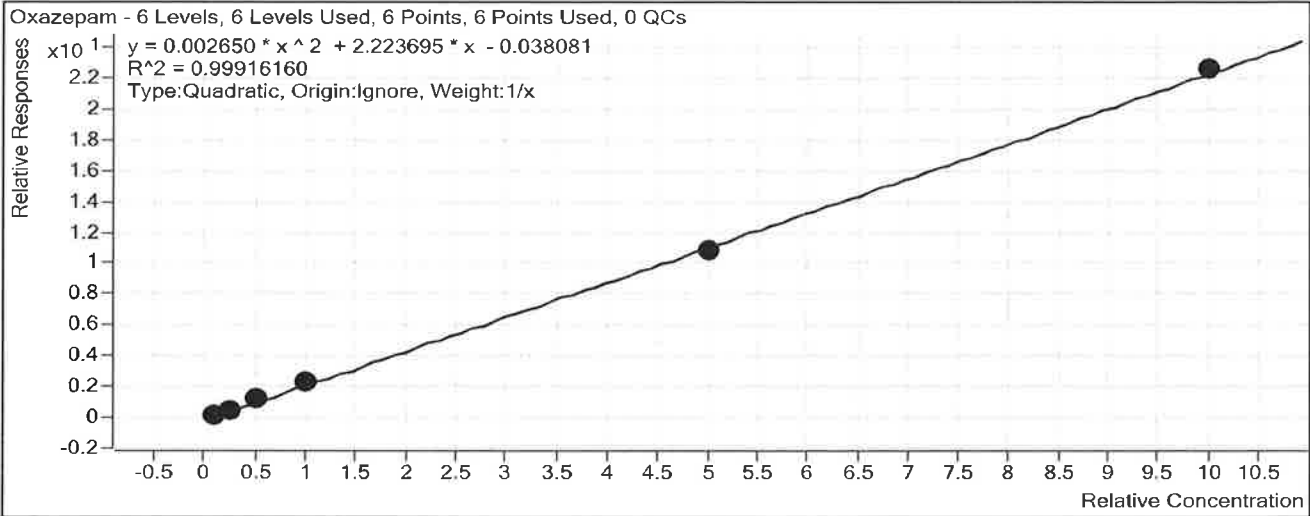
P

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.9        | 98.9     |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.4       | 89.4     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 54.0       | 107.9    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 105.7      | 105.7    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 487.7      | 97.5     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1005.4     | 100.5    |



# ISP FORENSICS Calibration Curve Report

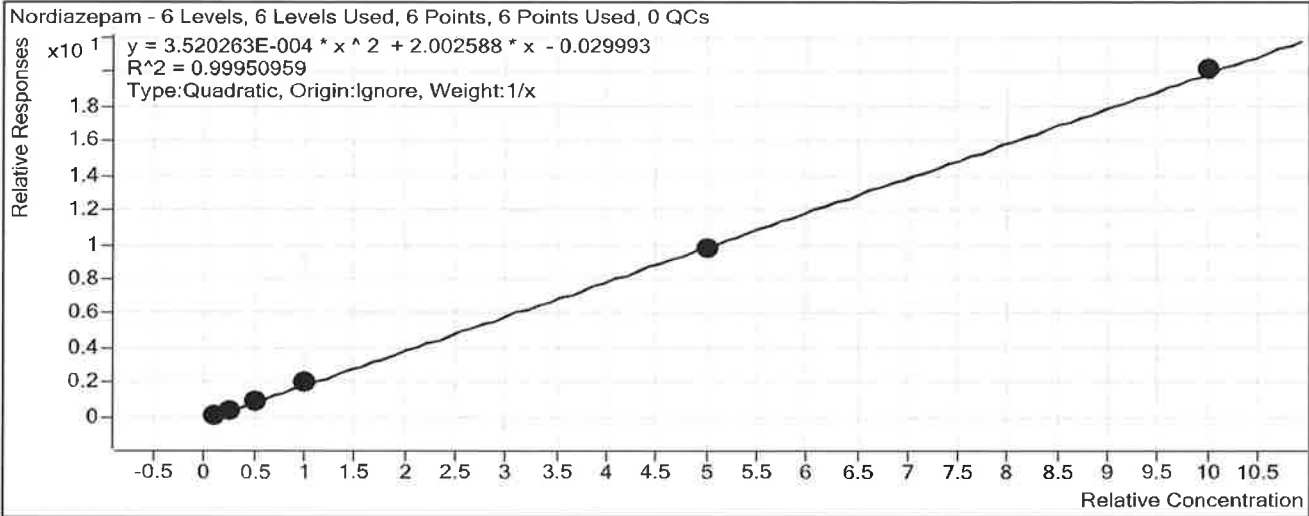
SP

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.0       | 100.3    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 23.2       | 92.9     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 51.1       | 102.3    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 106.1      | 106.1    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 490.3      | 98.1     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1004.2     | 100.4    |

# ISP FORENSICS Calibration Curve Report

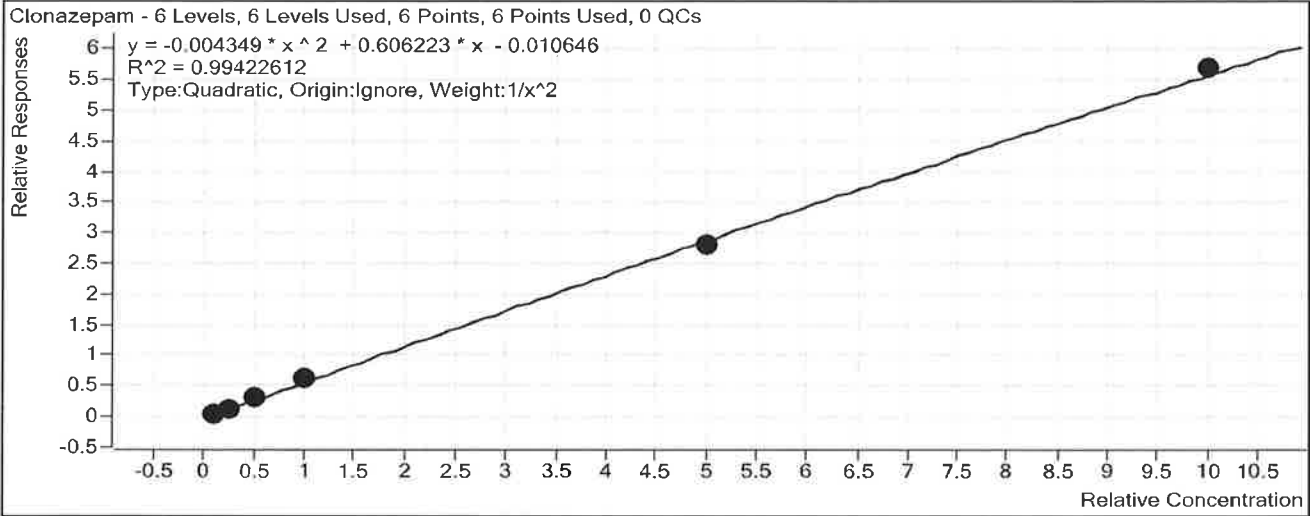
D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.3       | 102.7    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.3       | 89.2     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 53.4       | 106.9    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 103.3      | 103.3    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 483.2      | 96.6     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1013.3     | 101.3    |

# ISP FORENSICS Calibration Curve Report

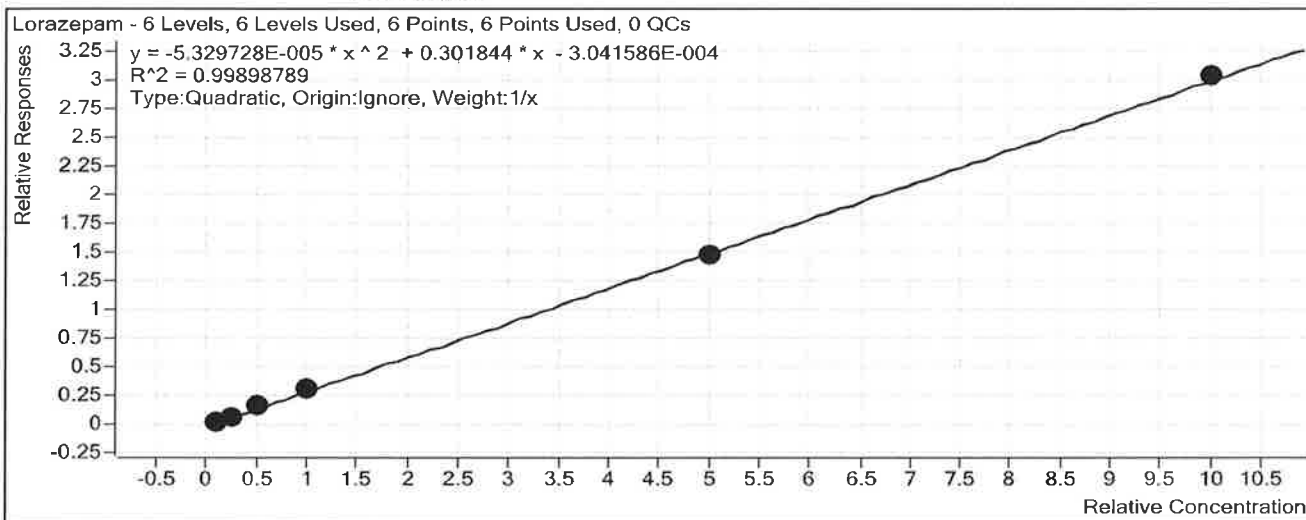
D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 9.5        | 94.6     |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.8       | 91.3     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 56.6       | 113.3    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 102.7      | 102.7    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 487.9      | 97.6     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1005.5     | 100.6    |

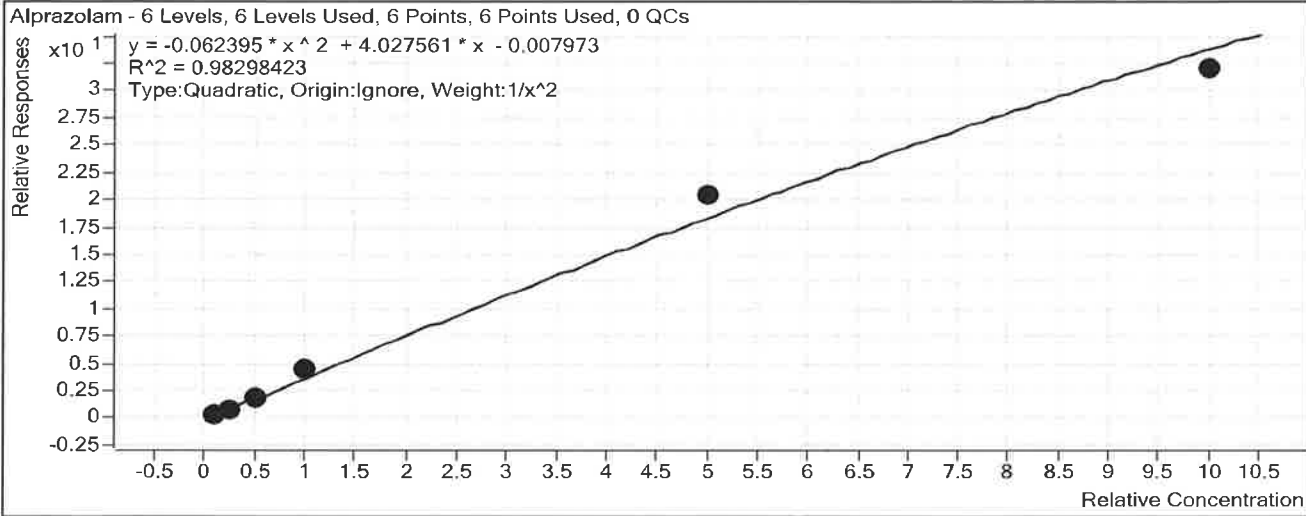
# ISP FORENSICS Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.6       | 105.8    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 21.6       | 86.3     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 46.0       | 91.9     |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 112.2      | 112.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 554.6      | 110.9    |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 927.8      | 92.8     |

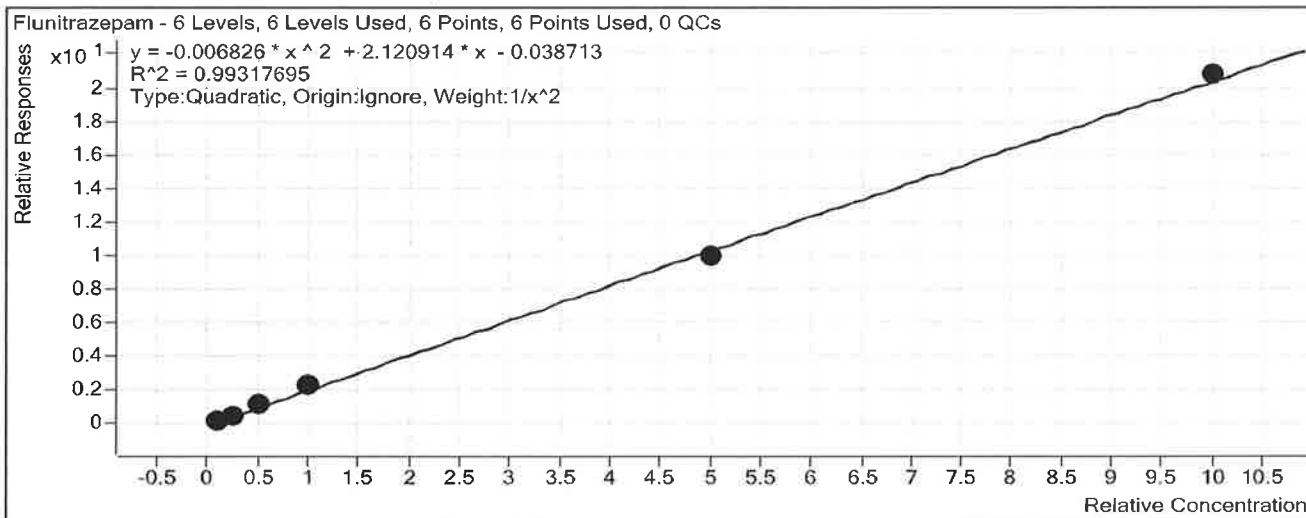
# ISP FORENSICS Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.3       | 103.3    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.0       | 87.9     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 52.3       | 104.6    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 106.6      | 106.6    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 482.0      | 96.4     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 1012.1     | 101.2    |

# ISP FORENSICS Calibration Curve Report

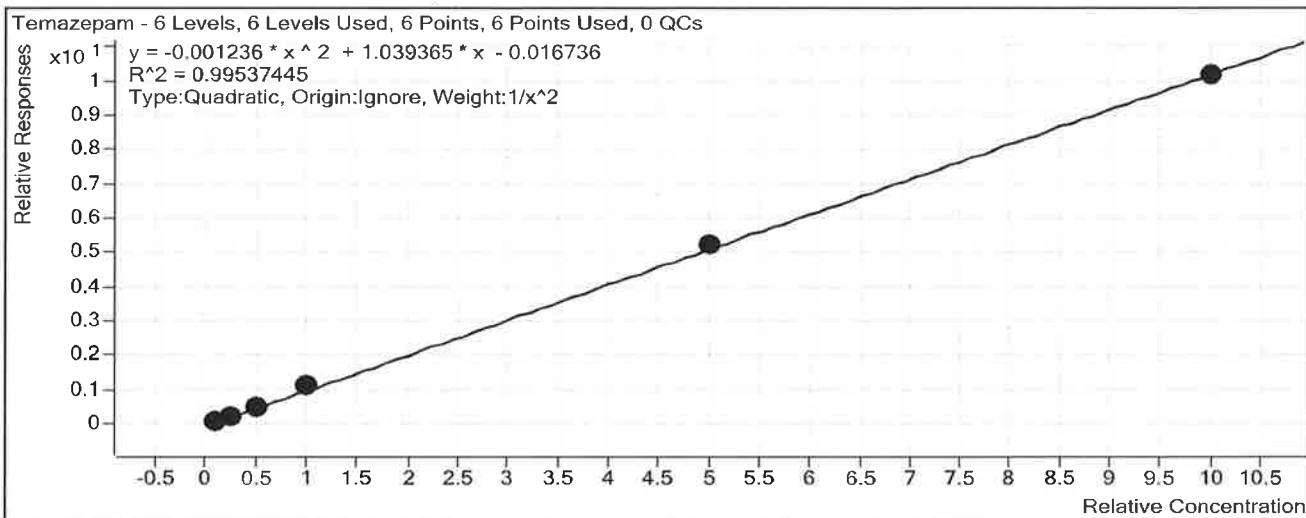
D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 AM

**Analyst Name** ISP TOX

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



| Sample     | Level | Enabled                             | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL   | 2     | <input checked="" type="checkbox"/> | 10       | 10.3       | 103.4    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 22.3       | 89.3     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 50.7       | 101.5    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 105.7      | 105.7    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 505.7      | 101.1    |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 990.1      | 99.0     |

# ISP FORENSICS Calibration Curve Report

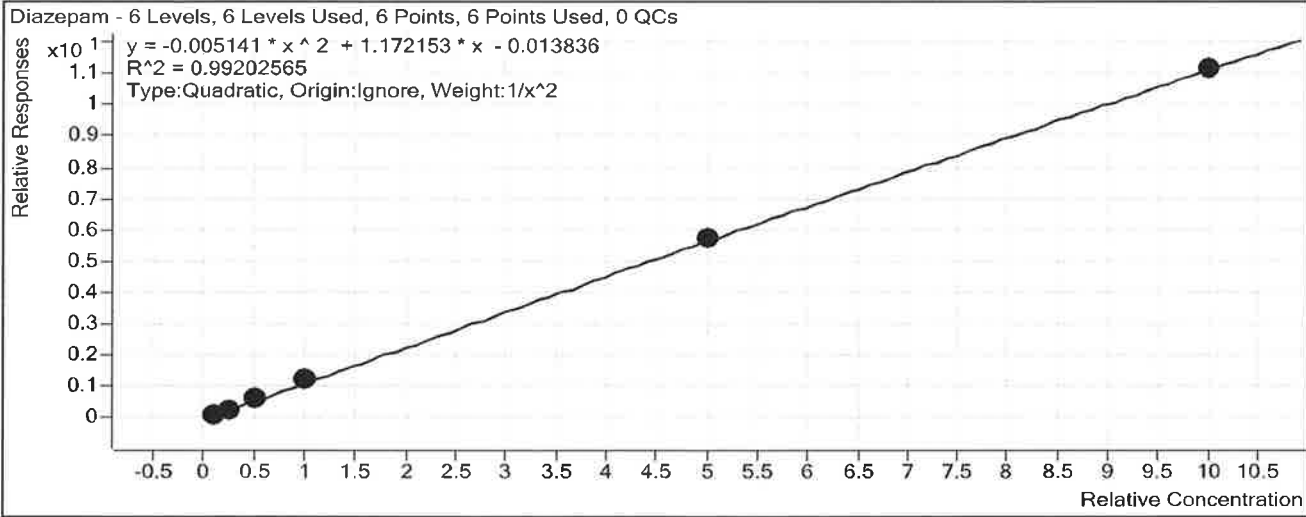
D

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin

**Last Calib Update** 10/23/2017 10:23 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       | 10.4       | 104.0    |
| 25 ng/mL   | 3     | <input checked="" type="checkbox"/> | 25       | 21.5       | 85.9     |
| 50 ng/mL   | 4     | <input checked="" type="checkbox"/> | 50       | 52.8       | 105.5    |
| 100 ng/mL  | 5     | <input checked="" type="checkbox"/> | 100      | 105.2      | 105.2    |
| 500 ng/mL  | 6     | <input checked="" type="checkbox"/> | 500      | 499.2      | 99.8     |
| 1000 ng/mL | 7     | <input checked="" type="checkbox"/> | 1000     | 995.6      | 99.6     |

**ISP FORENSICS**  
**Pocatello**  
**Benzodiazepine Analysis Report**

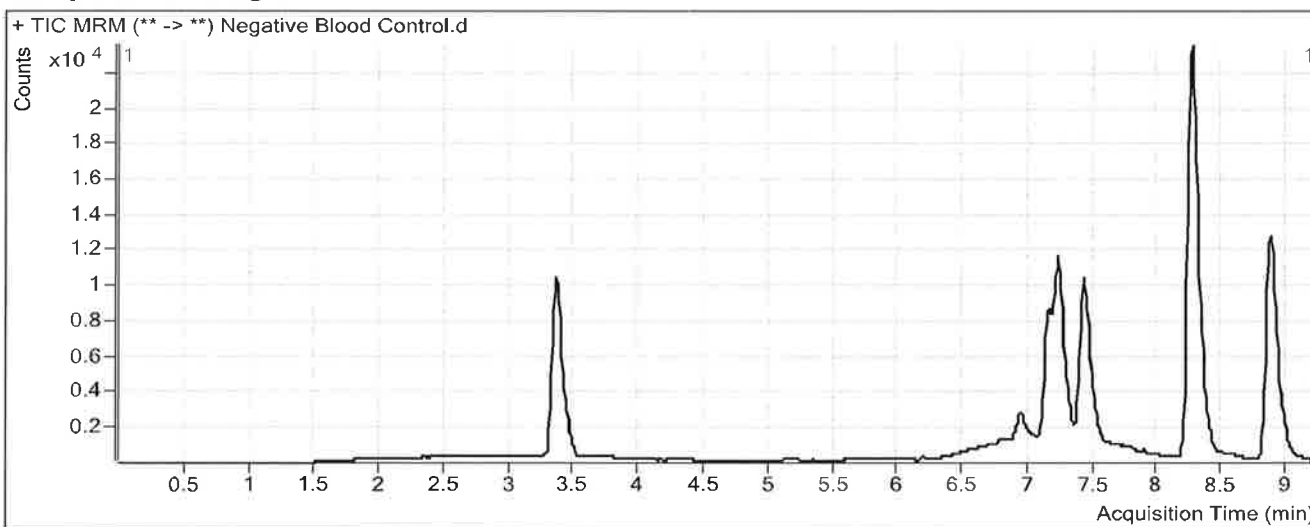
P

|                          |   |                      |           |
|--------------------------|---|----------------------|-----------|
| <b>Batch Data Path</b>   | C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin |                      |           |
| <b>Analysis Time</b>     | 10/23/2017 10:23 AM   | <b>Analyst Name</b>  | ISPUser   |
| <b>Report Time</b>       | 10/23/2017 10:27 AM   | <b>Reporter Name</b> | ISPUser   |
| <b>Last Calib Update</b> | 10/23/2017 10:23 AM   | <b>Batch State</b>   | Processed |

**Analysis Info**

|                    |                  |                    |                                     |
|--------------------|------------------|--------------------|-------------------------------------|
| <b>Acq Time</b>    | 2017-10-20 16:22 | <b>Data File</b>   | Negative Blood Control.d            |
| <b>Sample Type</b> | Sample           | <b>Sample Name</b> | Negative Blood Control              |
| <b>Dilution</b>    | 1                | <b>Acq Method</b>  | Benzos_Z_Drugs_ACN_FA_ISP_2017.m    |
| <b>Position</b>    | P1-A8            | <b>Sample Info</b> | UTAK Negative Whole Blood LOT B1013 |
| <b>Inj Vol</b>     | -1               | <b>Comment</b>     | AM 6.1.1 Benzo and Z by LCQQQ       |

**Sample Chromatogram**





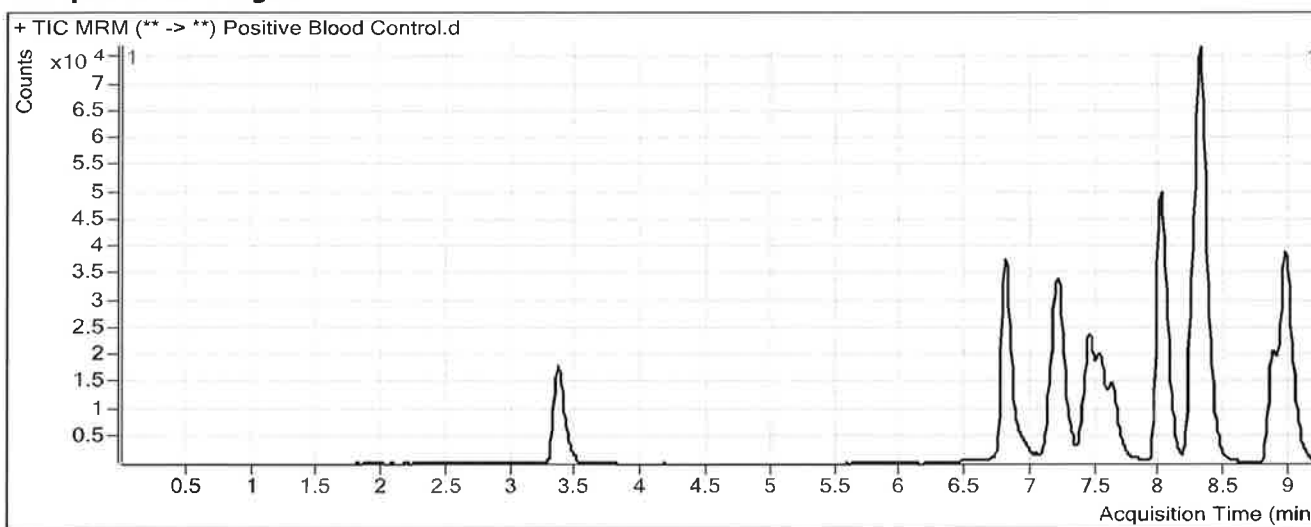
**ISP FORENSICS**  
**Pocatello**  
**Benzodiazepine Analysis Report**

**Batch Data Path** C:\MassHunter\Data\2017\BENZ\102017 BENZ SP\QuantResults\102017 BENZ SP.batch.bin  
**Analysis Time** 10/23/2017 10:23 AM **Analyst Name** ISUser  
**Report Time** 10/23/2017 10:27 AM **Reporter Name** ISUser  
**Last Calib Update** 10/23/2017 10:23 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2017-10-20 16:38 **Data File** Positive Blood Control.d  
**Sample Type** Sample **Sample Name** Positive Blood Control  
**Dilution** 1 **Acq Method** Benzos\_Z\_Drugs\_ACN\_FA\_ISP\_2017.m  
**Position** P1-A9 **Sample Info** Benzodiazepines Mix Cerilliant lot FE012413-02 in UTAK LOT B1013  
**Inj Vol** -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

**Sample Chromatogram**



**Results**

| Compound      | ISTD Compound                  | RT    | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------|--------------------------------|-------|----------|-----------|------------|------------|
| Nitrazepam    | Clonazepam-D4 ISTD             | 6.789 | 120716   | 51419     | 2.3477     | 152.6372   |
| Oxazepam      | Nordiazepam-D5 ISTD            | 7.176 | 78055    | 33351     | 2.3404     | 106.8263   |
| Clonazepam    | Clonazepam-D4 ISTD             | 7.443 | 44773    | 51419     | 0.8707     | 146.9371   |
| Lorazepam     | Nordiazepam-D5 ISTD            | 7.534 | 10811    | 33351     | 0.3242     | 107.5154   |
| Alprazolam    | alphahydroxyalprazolam-D5 ISTD | 7.622 | 48776    | 8270      | 5.8979     | 150.1278   |
| Flunitrazepam | Clonazepam-D4 ISTD             | 7.985 | 187908   | 51419     | 3.6544     | 175.1160   |
| Temazepam     | Temazepam-D5 ISTD              | 8.298 | 262859   | 173749    | 1.5129     | 147.4253   |
| Diazepam      | Diazepam-D5 ISTD               | 8.950 | 143190   | 74052     | 1.9336     | 167.3734   |