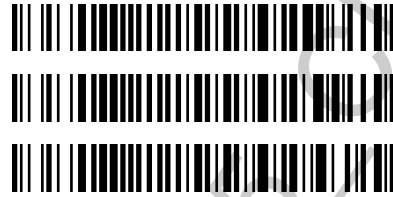


g

9/25/2015

Worklist: 848

| <u>LAB_CASE</u> | <u>ITEM</u> | <u>TASK_ID</u> | <u>DESCRIPTION</u> |
|-----------------|-------------|----------------|----------------------------|
| P2015-2008 | 2 | 41855 | 6.1.1 Blood LCMS-QQQ Benzo |
| P2015-2008 | 4 | 41857 | 6.1.1 Blood LCMS-QQQ Benzo |
| P2015-2008 | 6 | 41852 | 6.1.1 Blood LCMS-QQQ Benzo |



Reviewed by DND on 09/30/2015.



POC_AM 6.1.1 Blood_09232015

Worklist Report

| | |
|----------------|---|
| Worklist Path: | C:\MassHunter\ISP Methods\worklists\CS-BZZZQ-B-LOWCAL.wkl |
| Date Modified: | 09/25/2015 08:23:54 AM |
| Date Printed: | 09/25/2015 08:24:32 AM |

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\Benzos_Z_Drugs_ACN_FA_ISP.m |
| DA Method Path: | D:\MassHunter\methods |
| Data File Path: | C:\MassHunter\Data\BZ\BZ-B-092515CS |
| Pre-Worklist Script: | --- |
| Post-Worklist Script: | SCP_InstrumentStandby(){MH_Acq_Scripts.exe} |
| Acquisition Clean Up Script: | SCP_InstrumentStandby(){MH_Acq_Scripts.exe} |
| 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 | |

Worklist Table

| Sample Position | Sample Name | Method | Data File | Sample Type | Level Name | Comment | Info. |
|-----------------|-------------|---|-----------------|-------------|------------|-------------------------------|-------|
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Blank1-r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Blank2-r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A2 | 5 ngmL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 5 ngmL-r001.d | Calibration | 1 | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A3 | 10 ngmL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 10 ngmL-r001.d | Calibration | 2 | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A4 | 25 ngmL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 25 ngmL_r001.d | Calibration | 3 | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A5 | 50 ngmL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 50 ngmL_r001.d | Calibration | 4 | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A6 | 100 ngmL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 100 ngmL_r001.d | Calibration | 5 | AM 6.1.1 Benzo | |

| Sample Position | Sample Name | Method | Data File | Sample Type | Level Name | Comment | Info. |
|-----------------|------------------------|--|------------------------------------|-------------|------------|-------------------------------|---|
| | | | | | | and Z by LCQQQ | |
| P1-A | 500 ng/mL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 500 ng/mL_r001.d | Calibration | 6 | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A | 1000 ng/mL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 1000 ng/mL_r001.d | Calibration | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A | 3000 ng/mL | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | 3000 ng/mL_r001.d | Calibration | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Carryover blank1_r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-B1 | Negative Blood Control | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | NC-B_r001.d | Sample | | AM 6.1.1 Benzo and Z by LCQQQ | UTA Negative Whole Blood LOT B06 |
| P1-B2 | Positive Blood Control | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | PC-B-BZ-r001.d | Sample | | AM 6.1.1 Benzo and Z by LCQQQ | 200 ng/mL Benzodiazepines Mix Cerilliant lot FE012413-02 in neg LOT B0130 |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Carryover blank2_r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-B1 | Blank - P2015-200-2 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Carryover blank-P2015-200-2_r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-B3 | P2015-200-2 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | P2015-200-2-r001.d | Sample | | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-B1 | Blank - P2015-200-4 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Carryover blank-P2015-200-4_r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-B4 | P2015-200-4 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | P2015-200-4-r001.d | Sample | | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-B1 | Blank - P2015-200-6 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Carryover blank-P2015-200-6_r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-B5 | P2015-200-6 | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | P2015-200-6-r001.d | Sample | | AM 6.1.1 Benzo and Z by LCQQQ | Blood |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Blank3-r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m | Blank4-r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ | |

| Sample Position | Sample Name | Method | Data File | Sample Type | Level Name | Comment | Info. |
|-----------------|-------------|---|--------------|-------------|------------|--|--|
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_Cleanup.m | Clean-r001.d | Blank | | AM 6.1.1 Benzo and Z by LCQQQ |  |

POC_AM 6.1.1 Blood_09232015_CDS

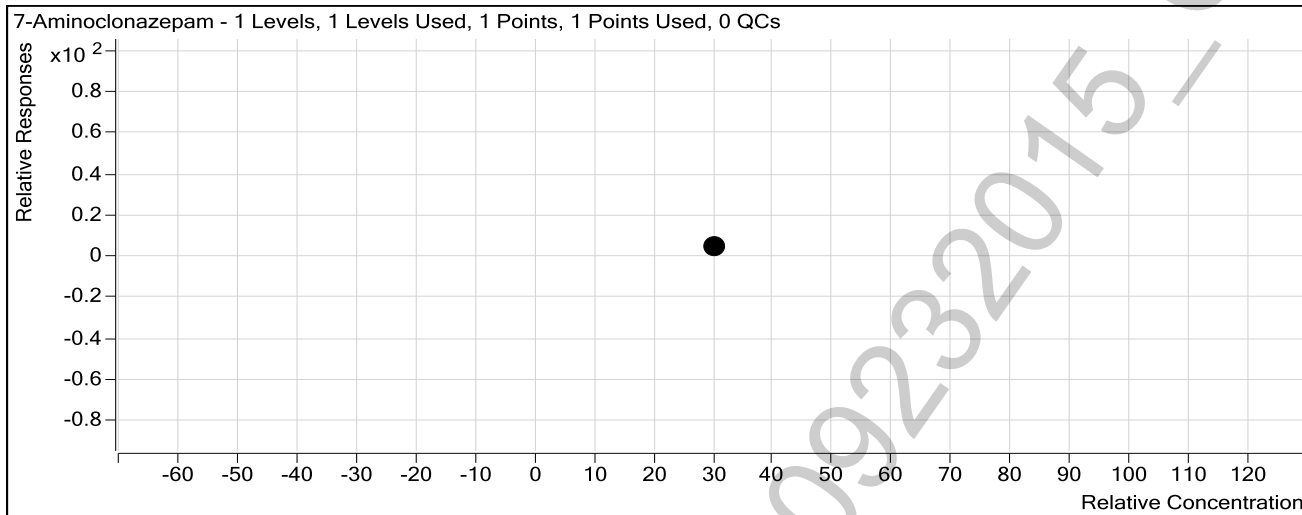
ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

Last Calib Update 9/29/2015 10:12 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 | 0.0 | 0.0 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 0.0 | 0.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 0.0 | 0.0 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 0.0 | 0.0 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 0.0 | 0.0 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 0.0 | 0.0 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 0.0 | 0.0 |

This compound was not detected. This compound will not be called in any case samples.

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

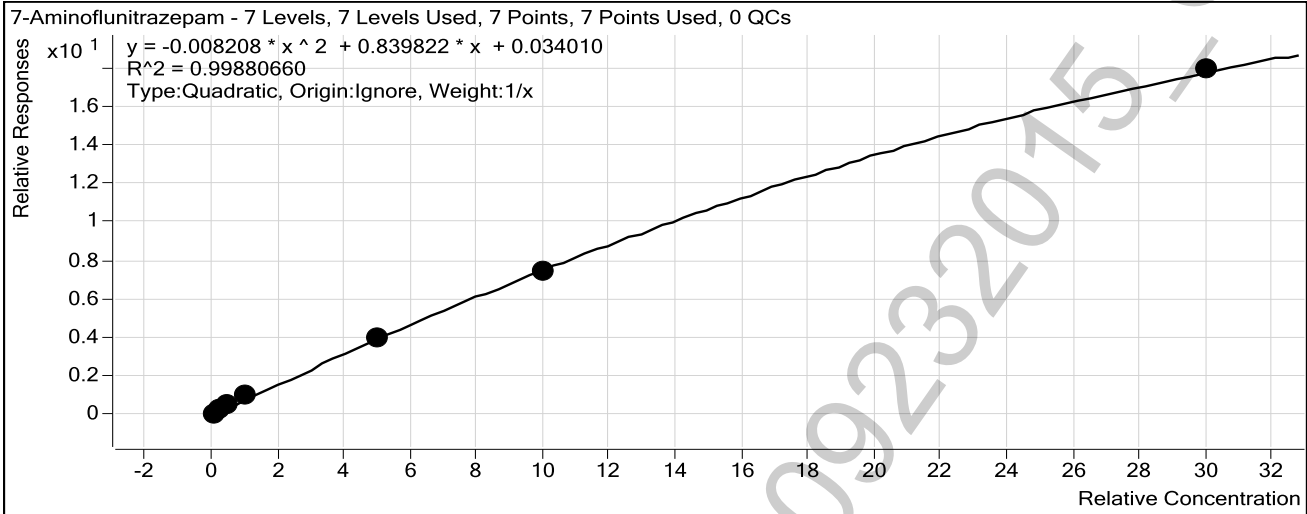
Last Calib Update 9/29/2015 10:12 AM

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 | 8.1 | 80.6 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.3 | 97.2 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 55.6 | 111.2 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 113.9 | 113.9 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 494.6 | 98.9 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 977.9 | 97.8 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3015.1 | 100.5 |

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

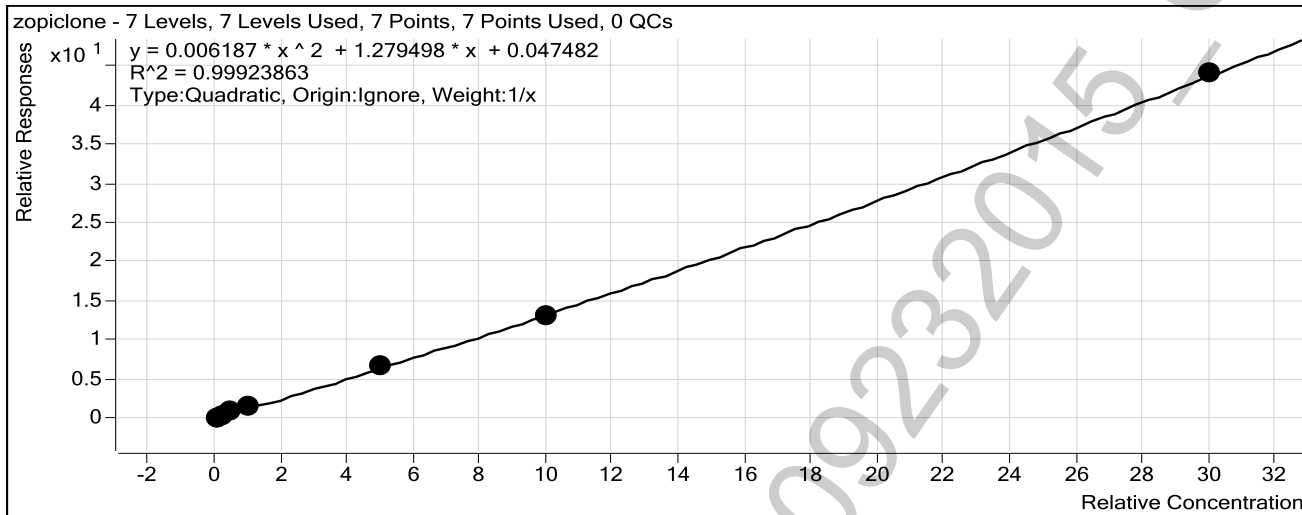
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound zopiclone

Internal Standard Oxazepam D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 8.0 | 80.1 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 23.4 | 93.6 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 57.5 | 115.0 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 113.5 | 113.5 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 499.7 | 99.9 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 977.1 | 97.7 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3006.1 | 100.2 |

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

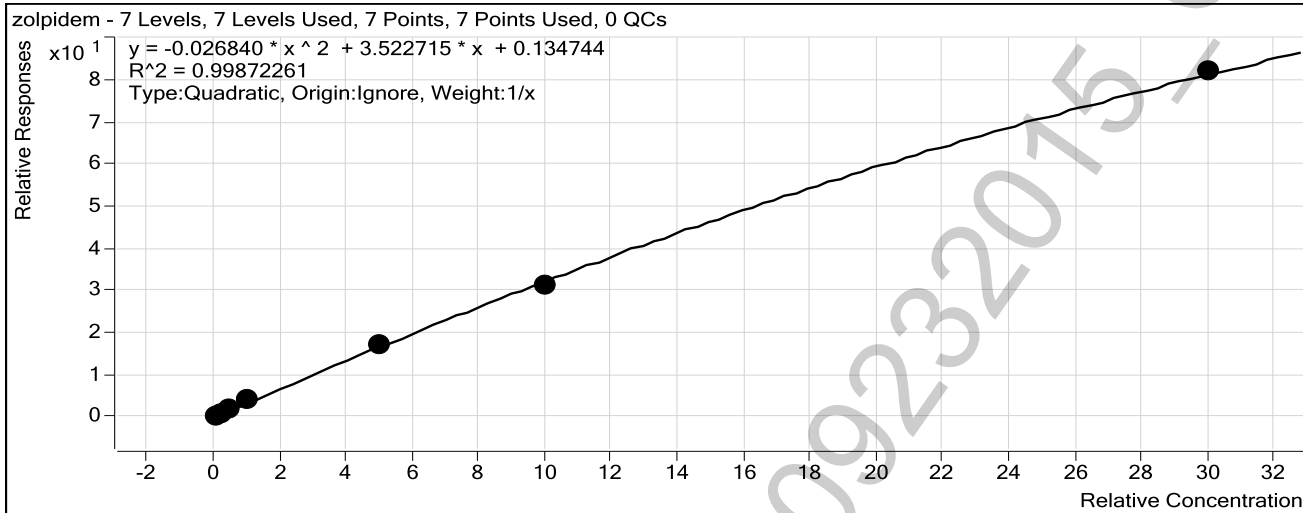
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound zolpidem

Internal Standard Oxazepam D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 8.3 | 82.9 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.0 | 96.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 54.1 | 108.2 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 114.5 | 114.5 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 508.1 | 101.6 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 962.3 | 96.2 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3016.5 | 100.5 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

2

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

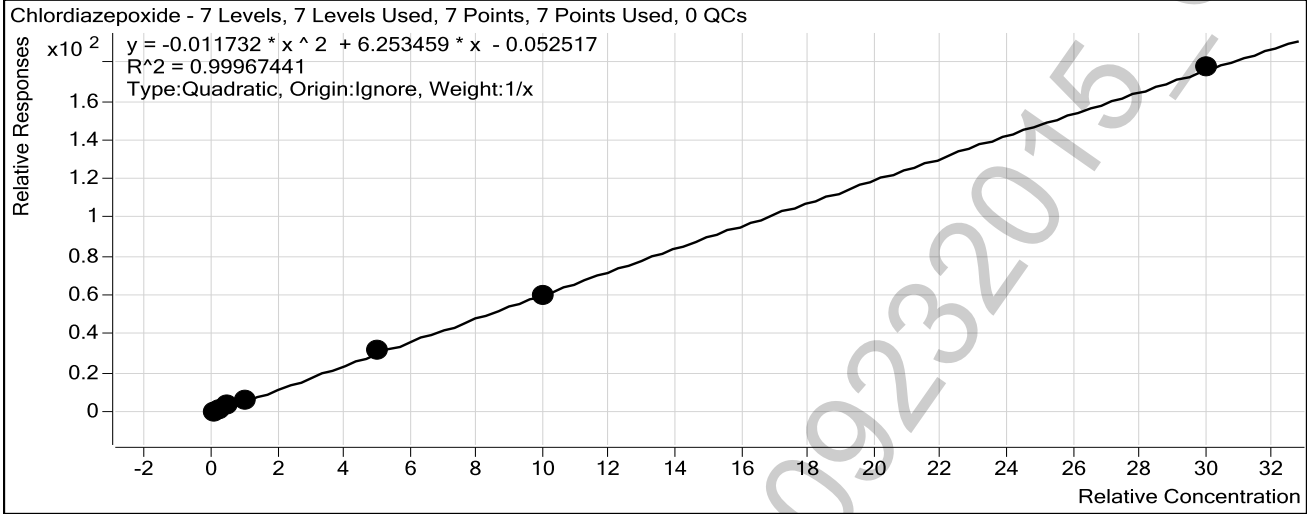
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound *Chlordiazepoxide*

Internal Standard *Nordiazepam-D5 ISTD*



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 94.0 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.1 | 96.6 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 51.9 | 103.9 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 105.2 | 105.2 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 512.8 | 102.6 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 975.1 | 97.5 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3006.4 | 100.2 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

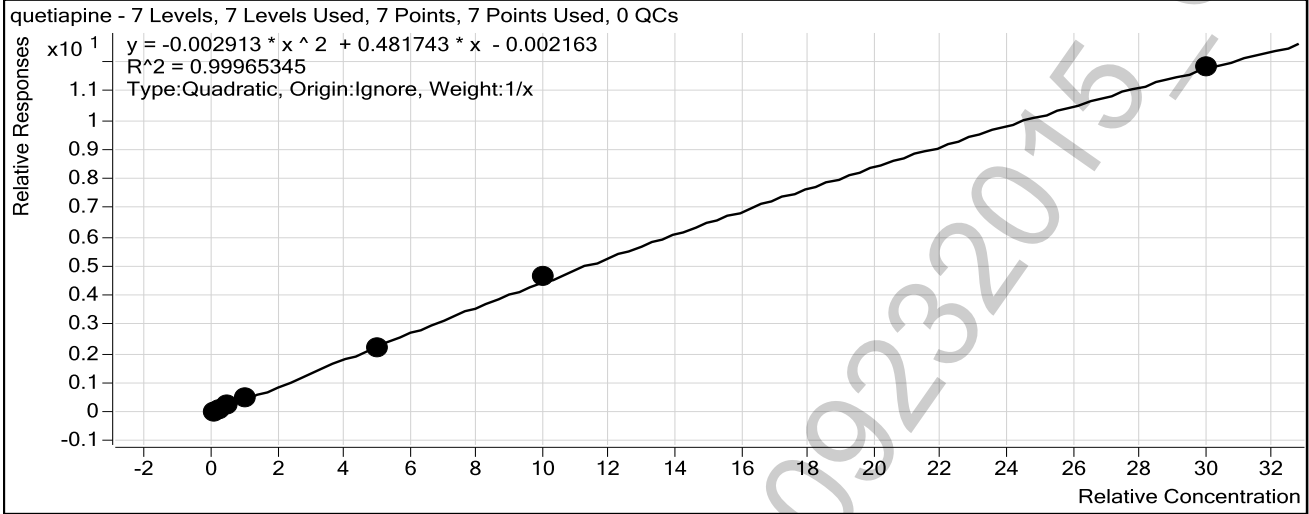
Last Calib Update 9/29/2015 10:12 AM

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 | 10.4 | 103.8 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.0 | 96.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 51.0 | 102.0 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 99.6 | 99.6 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 481.7 | 96.3 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 1024.6 | 102.5 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 2993.2 | 99.8 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

2

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

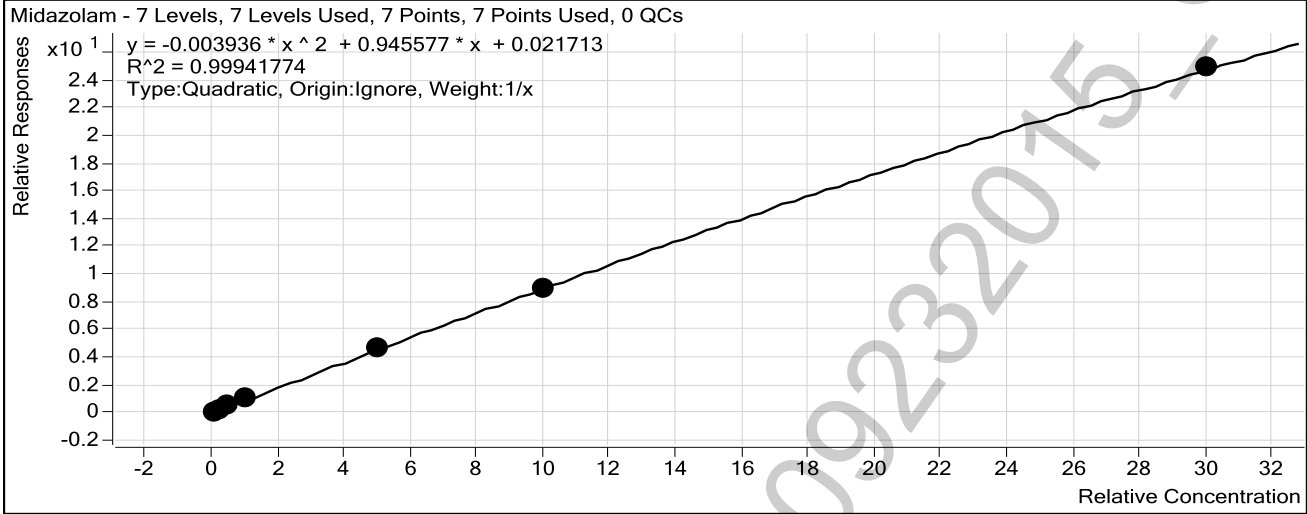
Last Calib Update 9/29/2015 10:12 AM

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 | 8.4 | 83.9 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.2 | 96.8 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 56.4 | 112.8 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 108.1 | 108.1 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 501.1 | 100.2 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 979.6 | 98.0 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3007.6 | 100.3 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

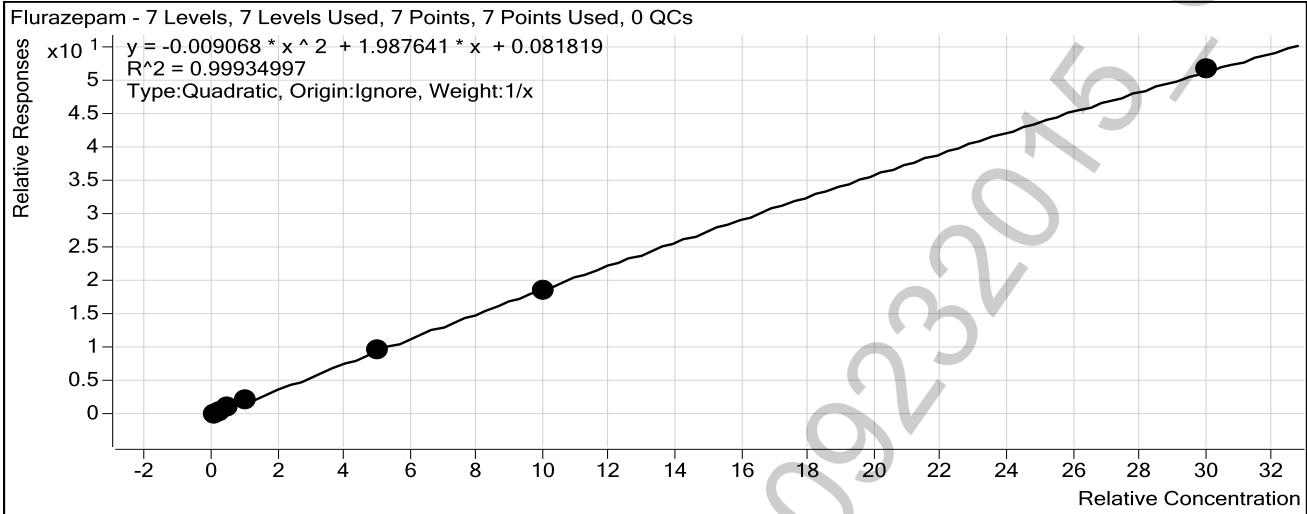
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Flurazepam

Internal Standard Diazepam-D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 8.2 | 82.4 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.5 | 98.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 55.9 | 111.8 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 109.7 | 109.7 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 499.7 | 99.9 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 979.2 | 97.9 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3008.2 | 100.3 |

POC-AM 6.1.1 Blood/09232075

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

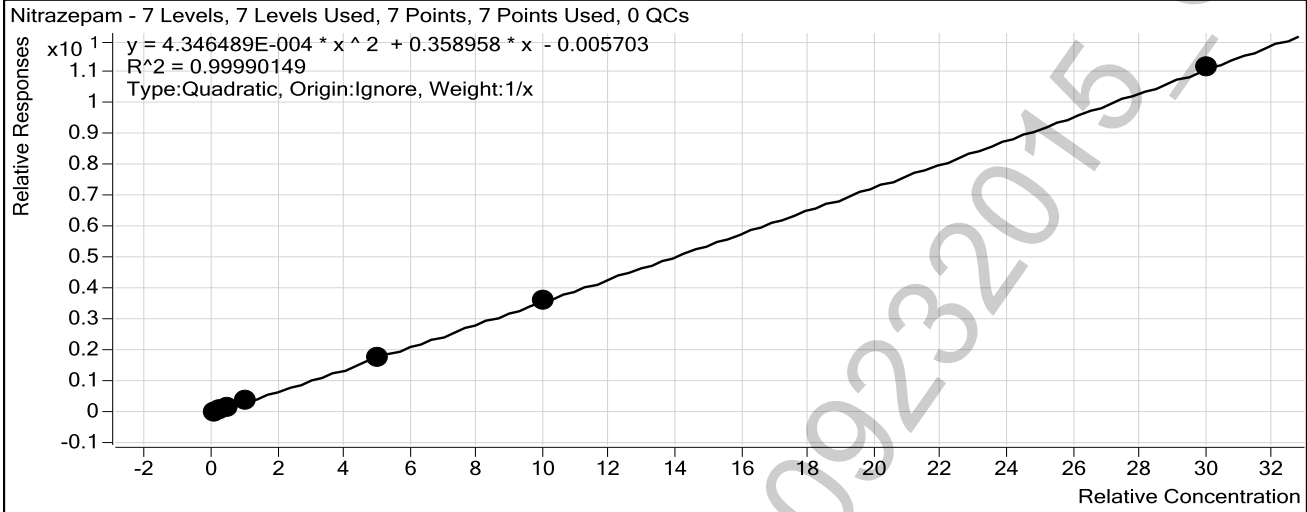
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Nitrazepam

Internal Standard Clonazepam-D4 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.8 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.0 | 96.1 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 50.6 | 101.2 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 106.0 | 106.0 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 495.3 | 99.1 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 998.2 | 99.8 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3001.1 | 100.0 |

POC-AM 6.1.1 Blood/09232015

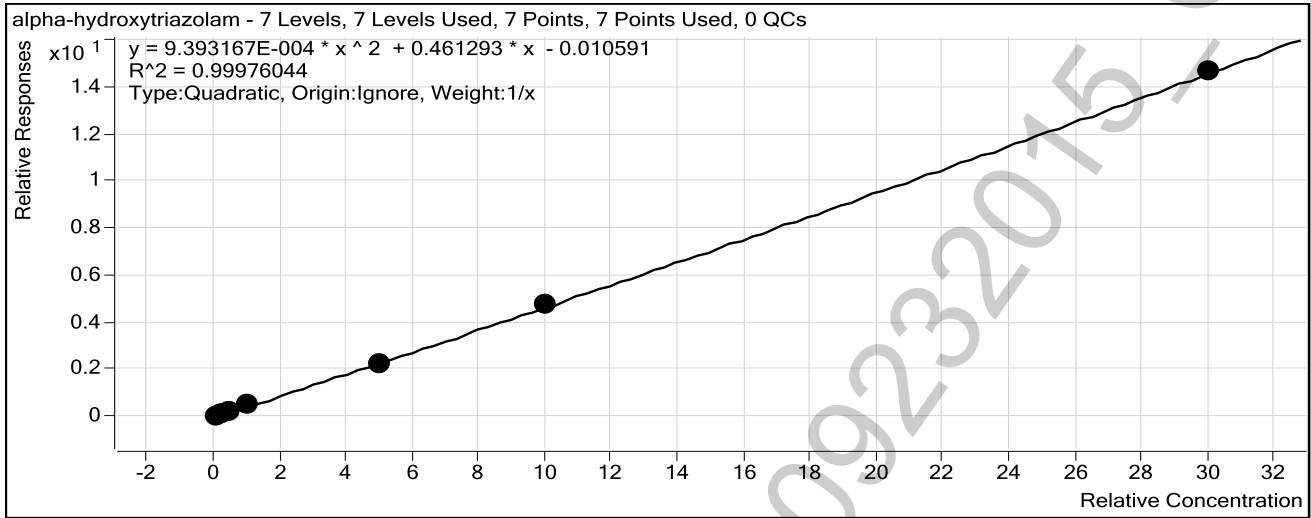
2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

Last Calib Update 9/29/2015 10:12 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 | 9.9 | 98.7 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 23.0 | 92.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 52.5 | 105.1 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 106.3 | 106.3 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 486.1 | 97.2 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 1007.8 | 100.8 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 2999.5 | 100.0 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

f

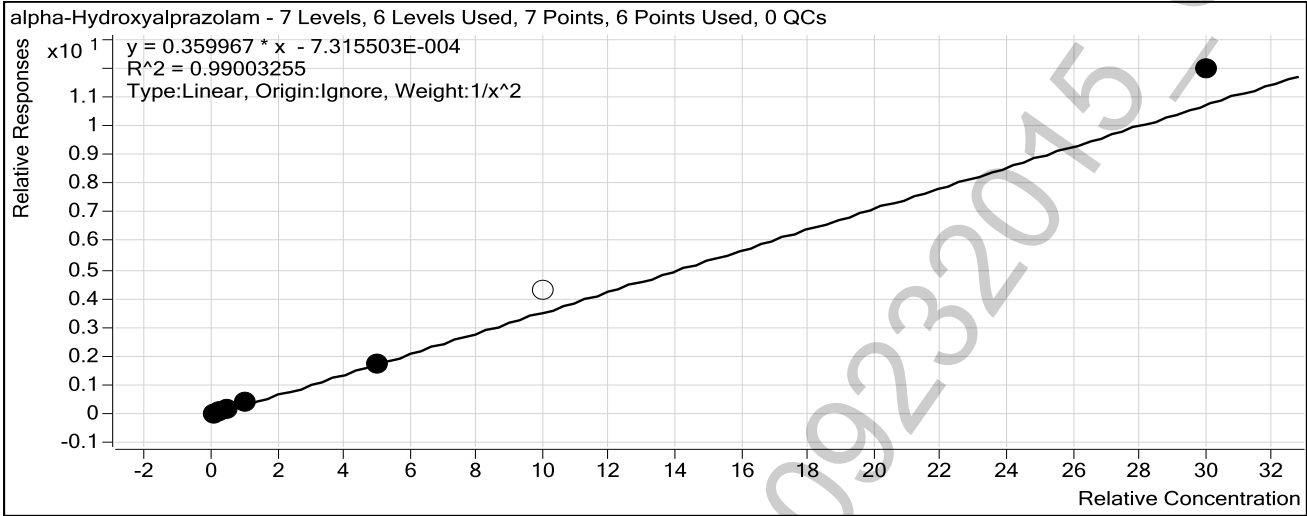
Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

Last Calib Update 9/29/2015 10:12 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 | 10.5 | 104.6 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 22.7 | 90.9 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 45.9 | 91.9 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 106.8 | 106.8 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 475.2 | 95.0 |
| 1000 ng/mL | 7 | <input type="checkbox"/> | 1000 | 1194.2 | 119.4 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3322.0 | 110.7 |

POC-AM 6.1.1 Blood/09232075

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

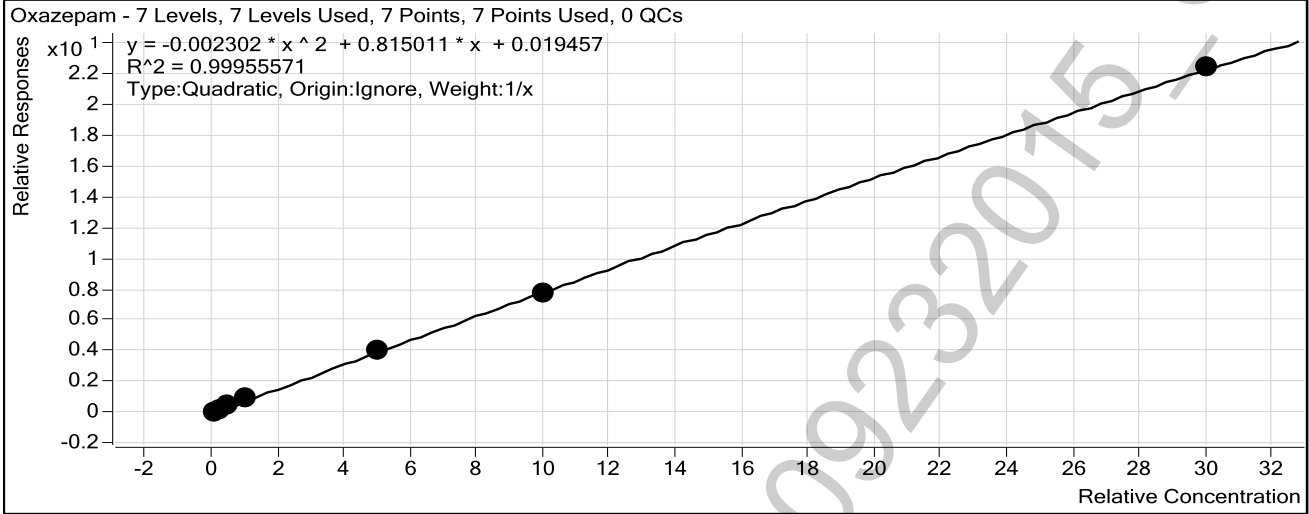
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Oxazepam

Internal Standard Oxazepam D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.0 | 89.7 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.0 | 96.0 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 52.4 | 104.7 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 111.2 | 111.2 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 498.3 | 99.7 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 984.6 | 98.5 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3005.7 | 100.2 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

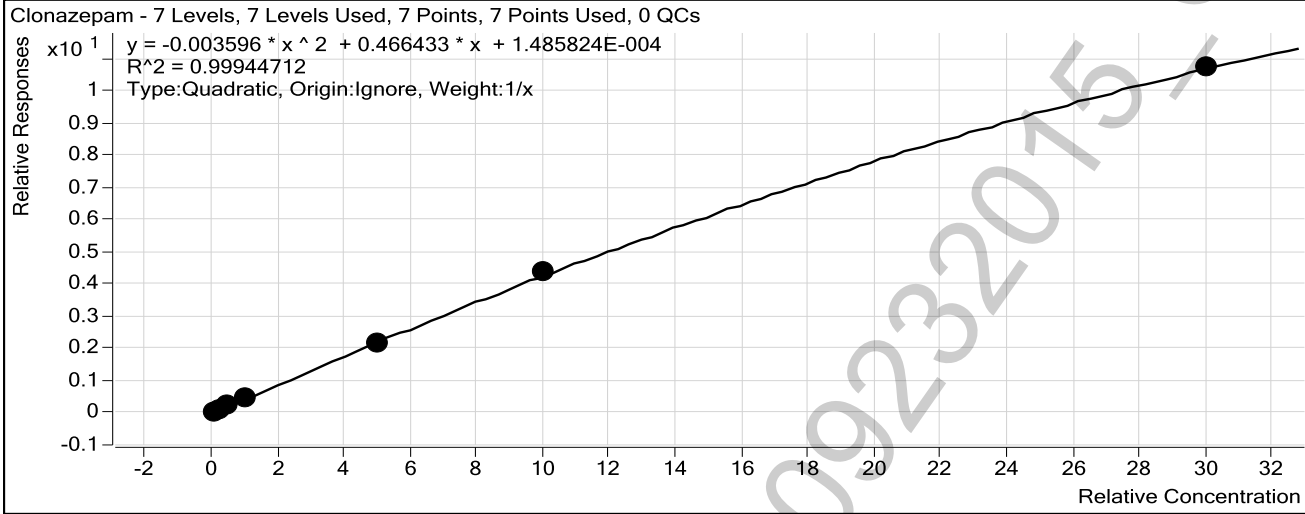
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Clonazepam

Internal Standard Clonazepam-D4 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 93.9 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 25.0 | 99.8 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 52.5 | 104.9 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 104.1 | 104.1 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 476.1 | 95.2 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 1022.8 | 102.3 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 2994.6 | 99.8 |

POC-AM 6.1.1 Blood/09232075

ISP Forensics Calibration Curve Report

2

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

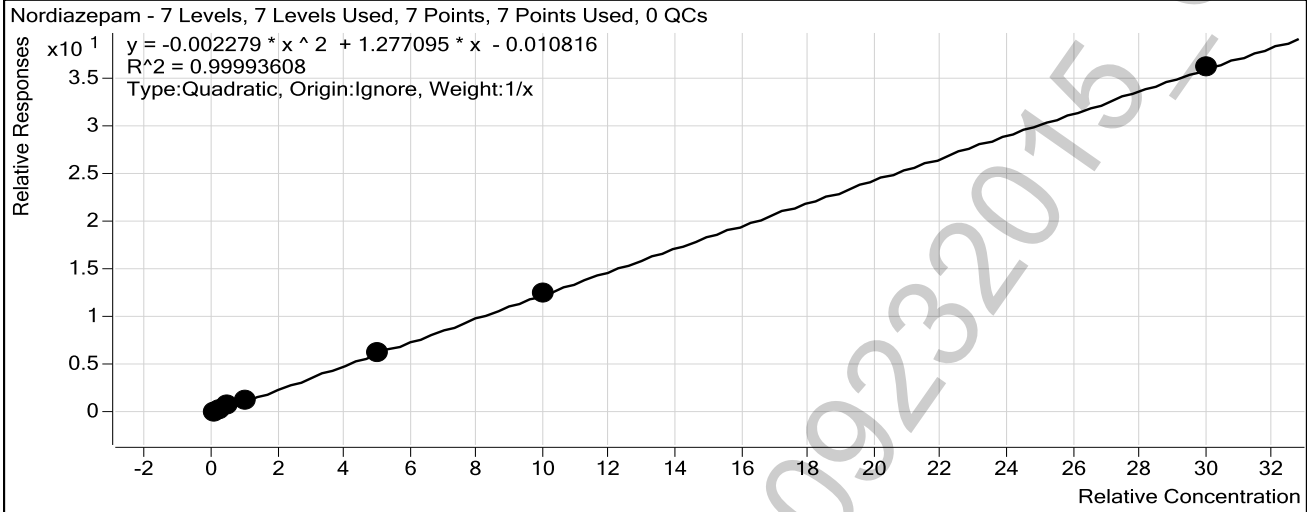
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Nordiazepam

Internal Standard Nordiazepam-D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 94.8 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.7 | 98.8 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 51.7 | 103.4 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 103.8 | 103.8 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 498.3 | 99.7 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 995.1 | 99.5 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3001.9 | 100.1 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

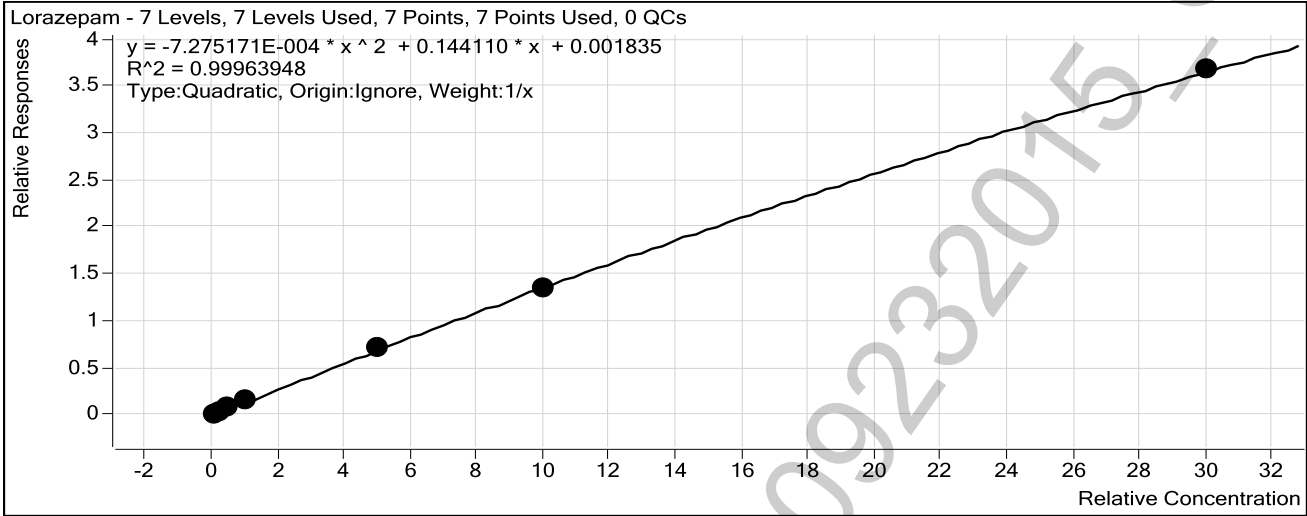
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Lorazepam

Internal Standard Oxazepam D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.3 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.0 | 96.1 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 49.3 | 98.6 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 109.9 | 109.9 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 502.9 | 100.6 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 983.8 | 98.4 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3005.9 | 100.2 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

2

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

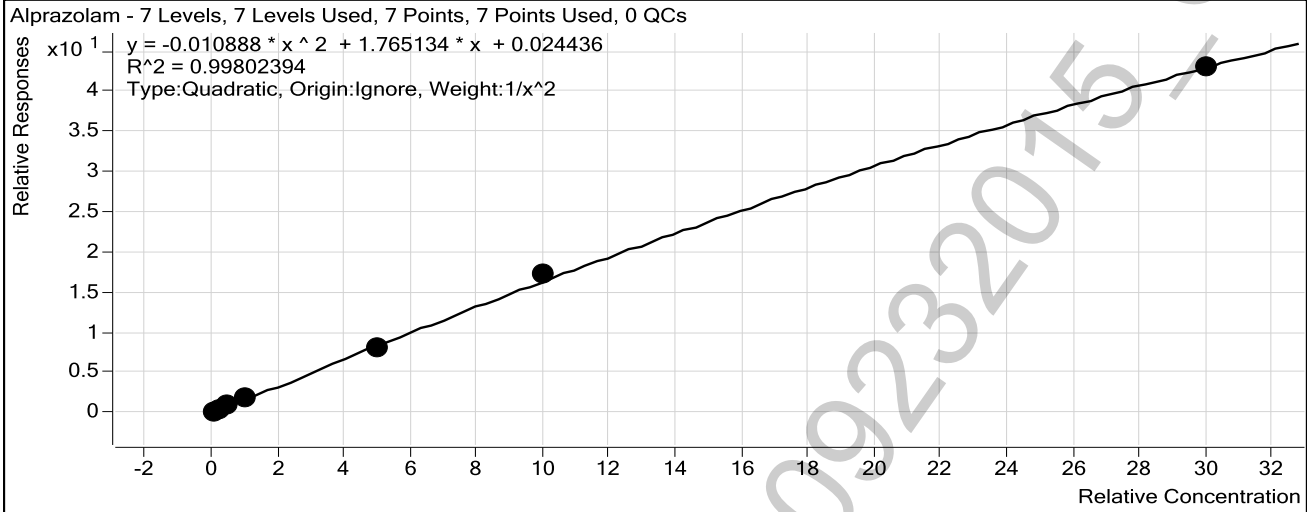
Last Calib Update 9/29/2015 10:12 AM

Analyst Name

ISP TOX

Target Compound Alprazolam

Internal Standard alphahydroxyalprazolam-D5 ISTD



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|------------|-------|-------------------------------------|----------|------------|----------|
| 10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 98.2 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 26.1 | 104.3 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 51.3 | 102.5 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 96.6 | 96.6 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 473.4 | 94.7 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 1043.6 | 104.4 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 2981.2 | 99.4 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

CDS

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

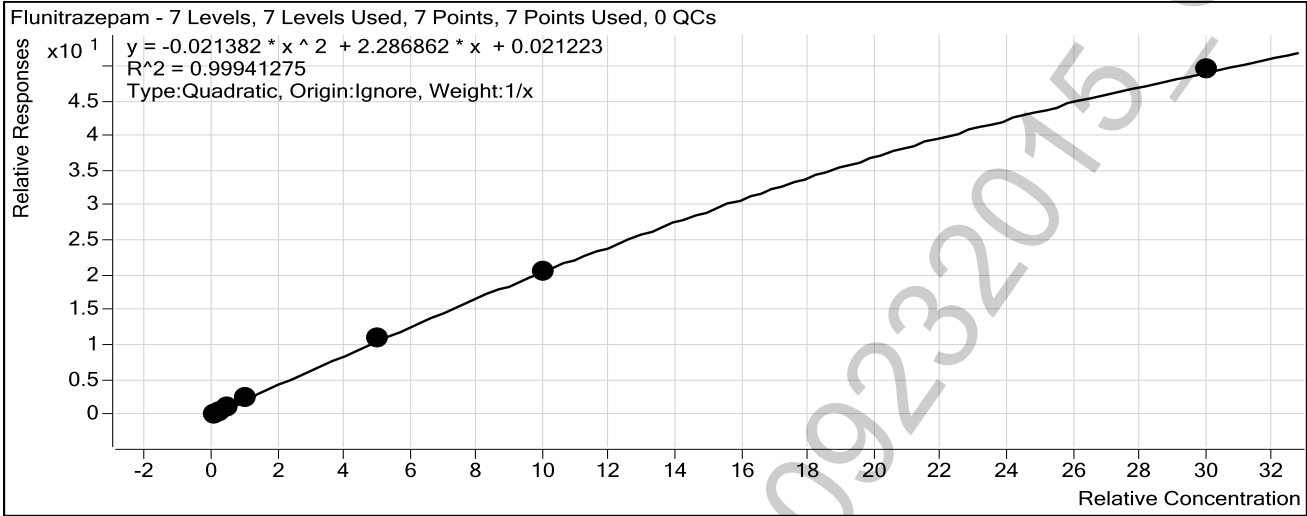
Last Calib Update 9/29/2015 10:12 AM

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 | 8.7 | 86.8 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.1 | 96.4 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 55.0 | 109.9 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 108.8 | 108.8 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 496.9 | 99.4 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 984.1 | 98.4 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3010.1 | 100.3 |

POC-AM 6.1.1 Blood/09232015

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

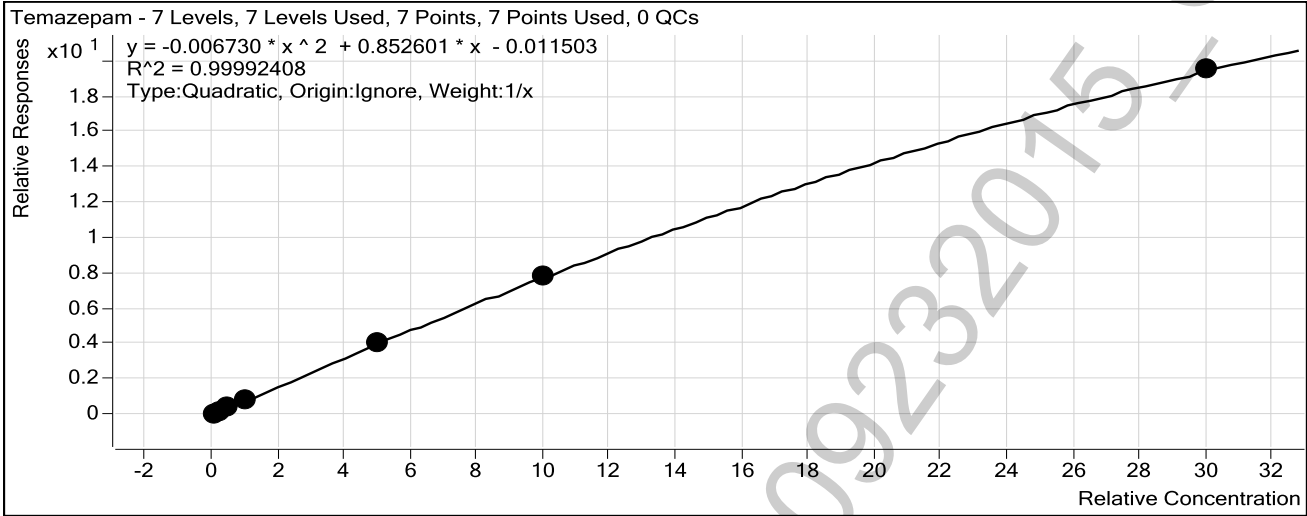
Last Calib Update 9/29/2015 10:12 AM

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 | 9.9 | 99.2 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.6 | 98.4 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 50.4 | 100.8 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 102.7 | 102.7 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 491.9 | 98.4 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 1006.8 | 100.7 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 2998.6 | 100.0 |

POC-AM 6.1.1 Blood/09232075

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin

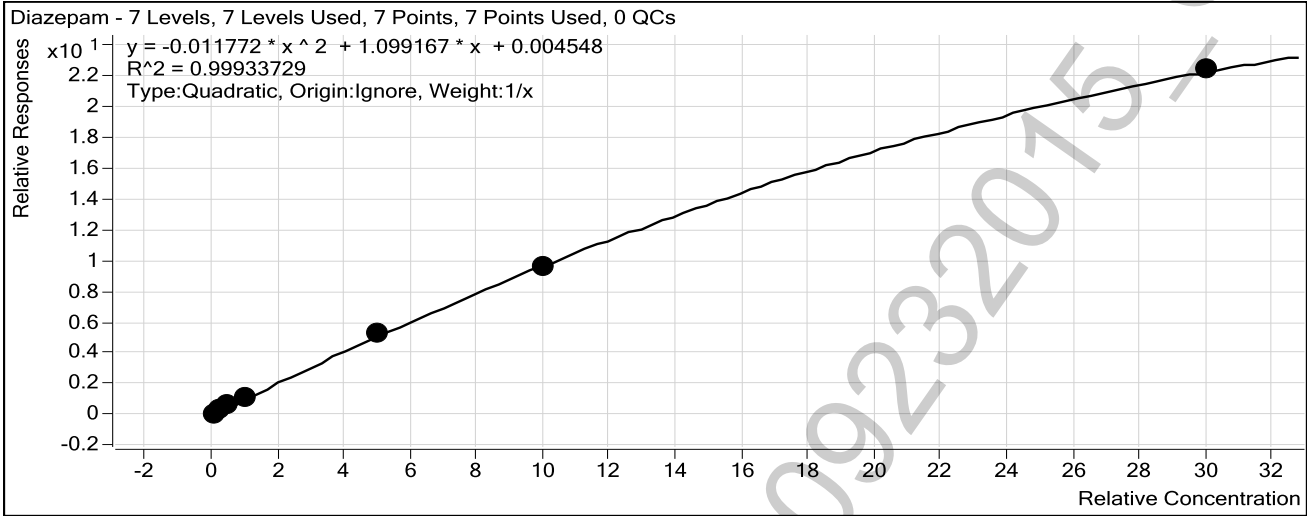
Last Calib Update 9/29/2015 10:12 AM

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 | 8.8 | 88.3 |
| 25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 24.4 | 97.5 |
| 50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 53.1 | 106.2 |
| 100 ng/mL | 5 | <input checked="" type="checkbox"/> | 100 | 109.2 | 109.2 |
| 500 ng/mL | 6 | <input checked="" type="checkbox"/> | 500 | 506.3 | 101.3 |
| 1000 ng/mL | 7 | <input checked="" type="checkbox"/> | 1000 | 972.3 | 97.2 |
| 3000 ng/mL | 8 | <input checked="" type="checkbox"/> | 3000 | 3016.9 | 100.6 |

POC-AM 6.1.1 Blood/09232015

2

ISP FORENSICS

Pocatello

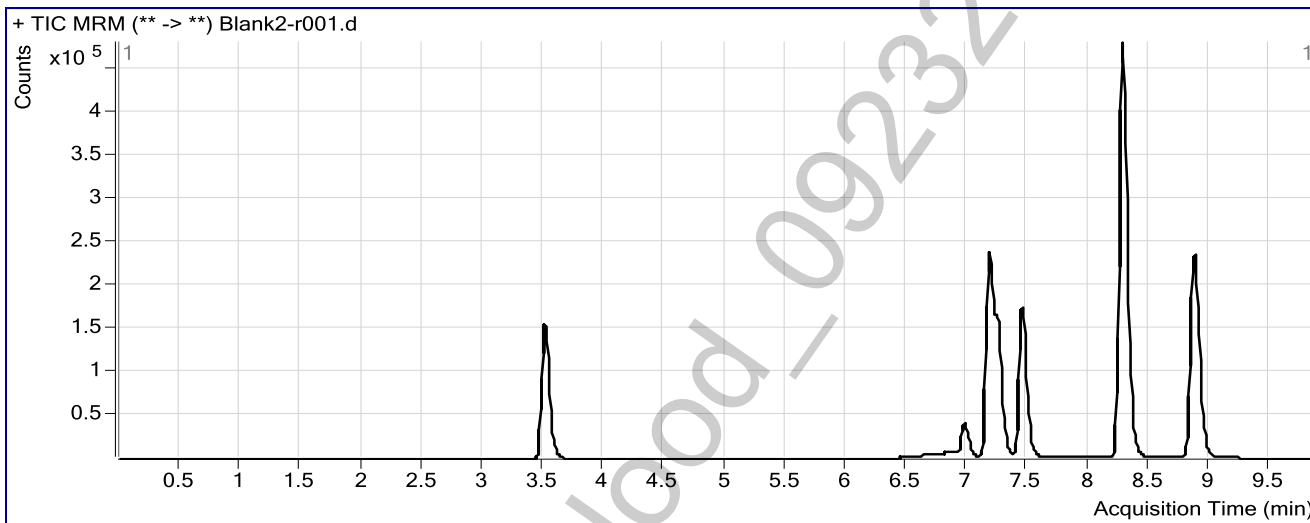
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISPUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 11:12 **Data File** Blank2-r001.d
Sample Type Blank **Sample Name** Blank
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



2

ISP FORENSICS

Pocatello

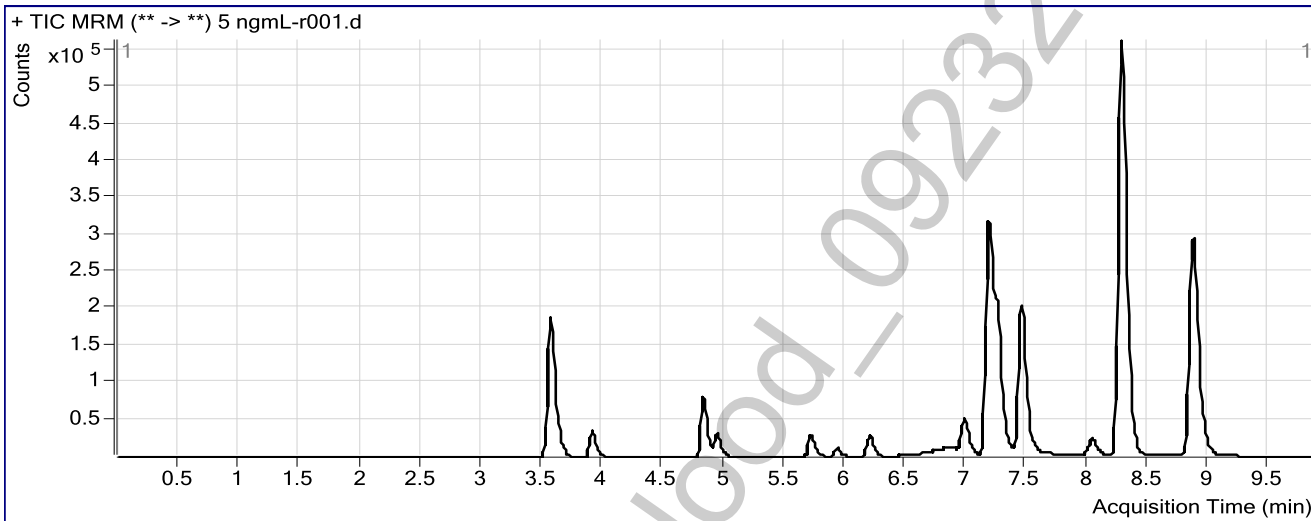
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 11:27 **Data File** 5 ngmL-r001.d
Sample Type Calibration **Sample Name** 5 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A2 **Sample Info**
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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.662 | 33374 | 687534 | 0.0485 | 1.7306 |
| zopiclone | Oxazepam D5 ISTD | 3.907 | 86397 | 1188230 | 0.0727 | 1.9716 |
| zolpidem | Oxazepam D5 ISTD | 4.825 | 234733 | 1188230 | 0.1975 | 1.7831 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.946 | 82963 | 321158 | 0.2583 | 4.9712 |
| quetiapine | Temazepam-D5 ISTD | 5.694 | 13440 | 2031041 | 0.0066 | 1.8228 |
| Midazolam | Clonazepam-D4 ISTD | 5.933 | 34797 | 704883 | 0.0494 | 2.9247 |
| Flurazepam | Diazepam-D5 ISTD | 6.195 | 97146 | 788487 | 0.1232 | 2.0823 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.846 | 10011 | 704883 | 0.0142 | 5.5450 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.068 | 4609 | 321158 | 0.0144 | 5.4066 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.019 | 2027 | 118283 | 0.0171 | 4.9639 |
| Oxazepam | Oxazepam D5 ISTD | 7.225 | 48077 | 1188230 | 0.0405 | 2.5773 |
| Clonazepam | Clonazepam-D4 ISTD | 7.492 | 10356 | 704883 | 0.0147 | 3.1186 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.345 | 18111 | 321158 | 0.0564 | 5.2630 |
| Lorazepam | Oxazepam D5 ISTD | 7.575 | 7922 | 1188230 | 0.0067 | 3.3536 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.662 | 16486 | 118283 | 0.1394 | 6.5144 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.031 | 73135 | 704883 | 0.1038 | 3.6102 |
| Temazepam | Temazepam-D5 ISTD | 8.337 | 88348 | 2031041 | 0.0435 | 6.4544 |
| Diazepam | Diazepam-D5 ISTD | 8.973 | 41126 | 788487 | 0.0522 | 4.3334 |

2

ISP FORENSICS

Pocatello

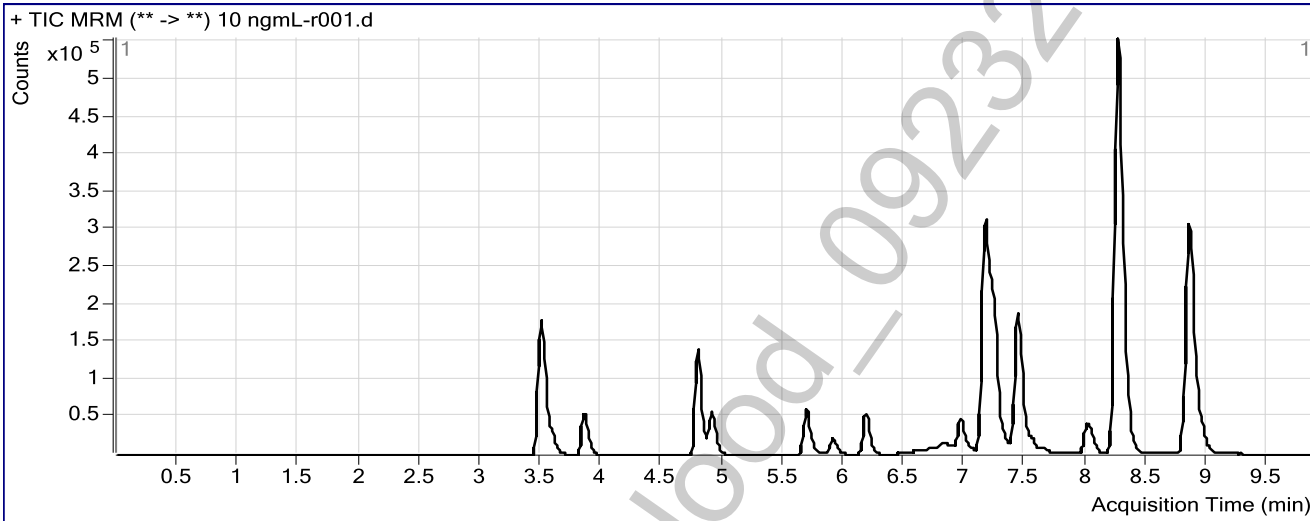
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 11:41 **Data File** 10 ngmL-r001.d
Sample Type Calibration **Sample Name** 10 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A3 **Sample Info**
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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.587 | 61604 | 605858 | 0.1017 | 8.0642 |
| zopiclone | Oxazepam D5 ISTD | 3.857 | 147150 | 981267 | 0.1500 | 8.0060 |
| zolpidem | Oxazepam D5 ISTD | 4.783 | 418560 | 981267 | 0.4266 | 8.2888 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.905 | 157008 | 293398 | 0.5351 | 9.3989 |
| quetiapine | Temazepam-D5 ISTD | 5.686 | 107278 | 2242749 | 0.0478 | 10.3847 |
| Midazolam | Clonazepam-D4 ISTD | 5.908 | 64556 | 638875 | 0.1010 | 8.3928 |
| Flurazepam | Diazepam-D5 ISTD | 6.170 | 192404 | 783662 | 0.2455 | 8.2390 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.821 | 18796 | 638875 | 0.0294 | 9.7836 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.051 | 10251 | 293398 | 0.0349 | 9.8678 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.002 | 3892 | 105372 | 0.0369 | 10.4650 |
| Oxazepam | Oxazepam D5 ISTD | 7.208 | 90841 | 981267 | 0.0926 | 8.9736 |
| Clonazepam | Clonazepam-D4 ISTD | 7.475 | 28056 | 638875 | 0.0439 | 9.3898 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.328 | 32332 | 293398 | 0.1102 | 9.4774 |
| Lorazepam | Oxazepam D5 ISTD | 7.542 | 15413 | 981267 | 0.0157 | 9.6304 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.637 | 20826 | 105372 | 0.1976 | 9.8187 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.006 | 140339 | 638875 | 0.2197 | 8.6846 |
| Temazepam | Temazepam-D5 ISTD | 8.312 | 163644 | 2242749 | 0.0730 | 9.9150 |
| Diazepam | Diazepam-D5 ISTD | 8.948 | 79534 | 783662 | 0.1015 | 8.8279 |

2

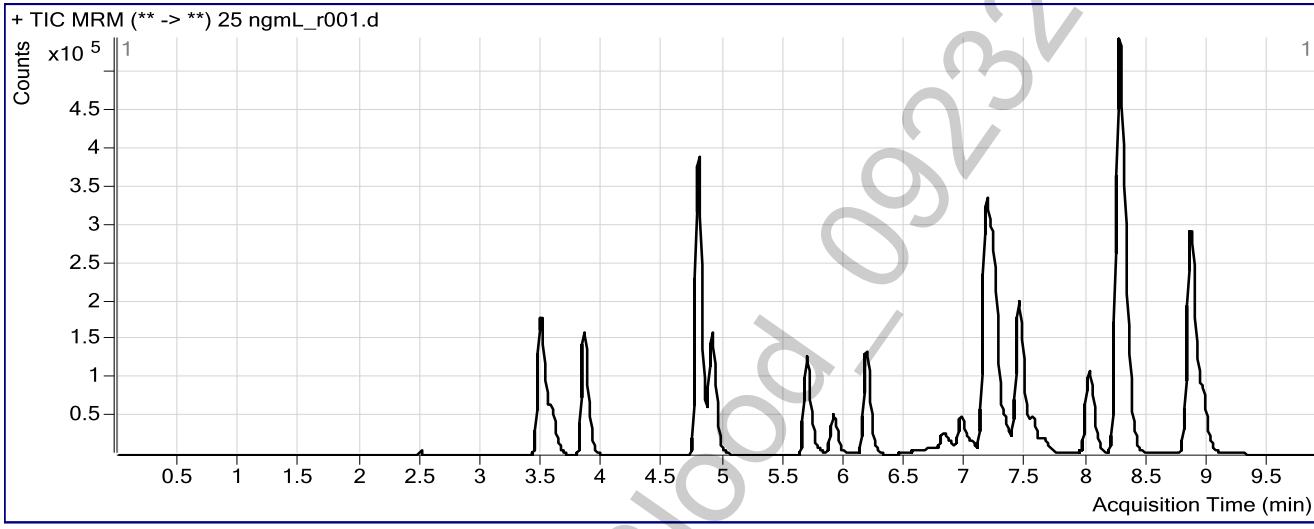
ISP FORENSICS Pocatello Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 11:56 **Data File** 25 ngmL_r001.d
Sample Type Calibration **Sample Name** 25 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A4 **Sample Info**
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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.579 | 159364 | 670664 | 0.2376 | 24.3023 |
| zopiclone | Oxazepam D5 ISTD | 3.840 | 403666 | 1162947 | 0.3471 | 23.3908 |
| zolpidem | Oxazepam D5 ISTD | 4.783 | 1138393 | 1162947 | 0.9789 | 24.0068 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.905 | 434962 | 298533 | 1.4570 | 24.1498 |
| quetiapine | Temazepam-D5 ISTD | 5.677 | 242152 | 2137424 | 0.1133 | 24.0008 |
| Midazolam | Clonazepam-D4 ISTD | 5.900 | 162820 | 650746 | 0.2502 | 24.1886 |
| Flurazepam | Diazepam-D5 ISTD | 6.170 | 453545 | 798187 | 0.5682 | 24.4986 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.813 | 52400 | 650746 | 0.0805 | 24.0143 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.043 | 28531 | 298533 | 0.0956 | 23.0029 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 6.994 | 9757 | 120346 | 0.0811 | 22.7259 |
| Oxazepam | Oxazepam D5 ISTD | 7.208 | 250059 | 1162947 | 0.2150 | 24.0116 |
| Clonazepam | Clonazepam-D4 ISTD | 7.467 | 75700 | 650746 | 0.1163 | 24.9561 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.328 | 90920 | 298533 | 0.3046 | 24.7053 |
| Lorazepam | Oxazepam D5 ISTD | 7.542 | 42331 | 1162947 | 0.0364 | 24.0137 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.645 | 58238 | 120346 | 0.4839 | 26.0731 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.015 | 371509 | 650746 | 0.5709 | 24.0904 |
| Temazepam | Temazepam-D5 ISTD | 8.320 | 422741 | 2137424 | 0.1978 | 24.5943 |
| Diazepam | Diazepam-D5 ISTD | 8.948 | 216842 | 798187 | 0.2717 | 24.3656 |

2

ISP FORENSICS

Pocatello

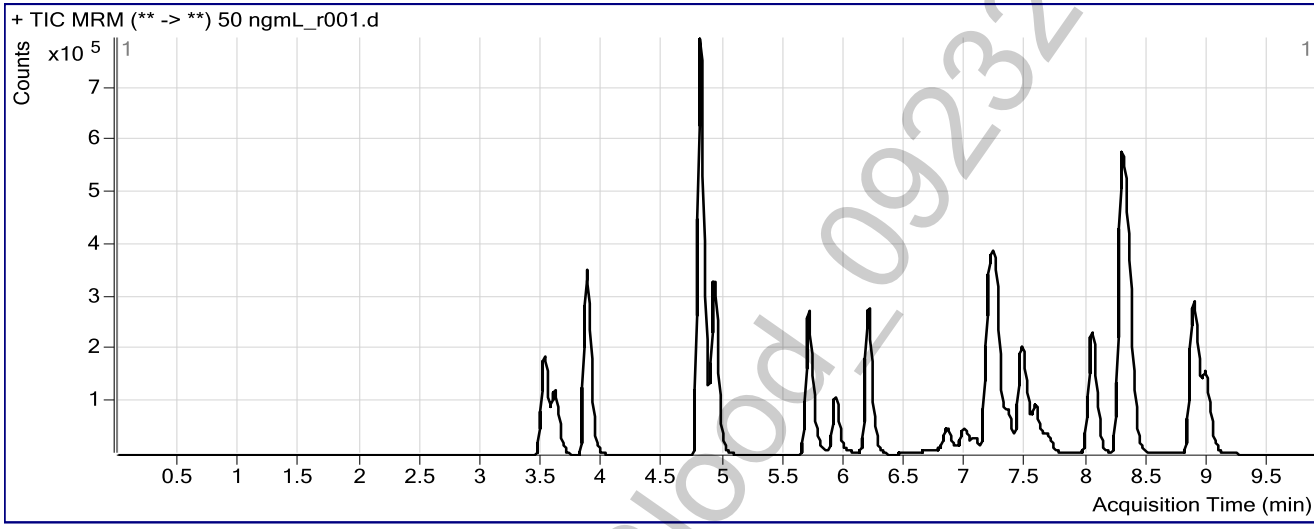
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISPUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 12:10 | Data File | 50 ngmL_r001.d |
| Sample Type | Calibration | Sample Name | 50 ngmL |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A5 | Sample Info | |
| 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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.612 | 341766 | 685726 | 0.4984 | 55.5985 |
| zopiclone | Oxazepam D5 ISTD | 3.865 | 901366 | 1147556 | 0.7855 | 57.5176 |
| zolpidem | Oxazepam D5 ISTD | 4.800 | 2333409 | 1147556 | 2.0334 | 54.1199 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.921 | 904374 | 283264 | 3.1927 | 51.9452 |
| quetiapine | Temazepam-D5 ISTD | 5.694 | 535388 | 2205234 | 0.2428 | 51.0025 |
| Midazolam | Clonazepam-D4 ISTD | 5.917 | 348652 | 629609 | 0.5538 | 56.3992 |
| Flurazepam | Diazepam-D5 ISTD | 6.187 | 945210 | 794526 | 1.1897 | 55.8785 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.838 | 110863 | 629609 | 0.1761 | 50.6114 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.068 | 65730 | 283264 | 0.2320 | 52.5431 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.011 | 21842 | 132708 | 0.1646 | 45.9252 |
| Oxazepam | Oxazepam D5 ISTD | 7.225 | 511387 | 1147556 | 0.4456 | 52.3681 |
| Clonazepam | Clonazepam-D4 ISTD | 7.492 | 153516 | 629609 | 0.2438 | 52.4553 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.345 | 183719 | 283264 | 0.6486 | 51.6800 |
| Lorazepam | Oxazepam D5 ISTD | 7.567 | 83460 | 1147556 | 0.0727 | 49.3162 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.662 | 122943 | 132708 | 0.9264 | 51.2621 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.031 | 800650 | 629609 | 1.2717 | 54.9616 |
| Temazepam | Temazepam-D5 ISTD | 8.337 | 918090 | 2205234 | 0.4163 | 50.3793 |
| Diazepam | Diazepam-D5 ISTD | 8.973 | 464520 | 794526 | 0.5846 | 53.0782 |

2

ISP FORENSICS

Pocatello

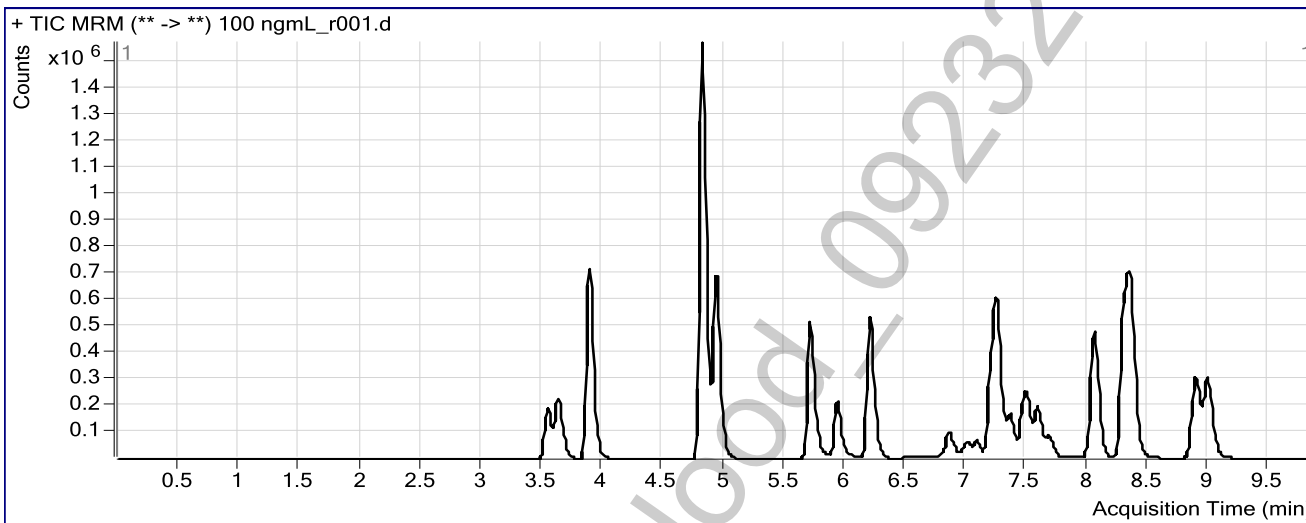
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 12:25 | Data File | 100 ngmL_r001.d |
| Sample Type | Calibration | Sample Name | 100 ngmL |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A6 | Sample Info | |
| 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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.637 | 687590 | 701918 | 0.9796 | 113.8596 |
| zopiclone | Oxazepam D5 ISTD | 3.890 | 1732845 | 1149668 | 1.5073 | 113.4671 |
| zolpidem | Oxazepam D5 ISTD | 4.817 | 4752416 | 1149668 | 4.1337 | 114.5192 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.938 | 1889623 | 290019 | 6.5155 | 105.2381 |
| quetiapine | Temazepam-D5 ISTD | 5.704 | 1055316 | 2223384 | 0.4746 | 99.5749 |
| Midazolam | Clonazepam-D4 ISTD | 5.933 | 683456 | 657595 | 1.0393 | 108.1046 |
| Flurazepam | Diazepam-D5 ISTD | 6.195 | 1862768 | 827159 | 2.2520 | 109.7335 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.855 | 246703 | 657595 | 0.3752 | 105.9664 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.085 | 139383 | 290019 | 0.4806 | 106.2509 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.036 | 55299 | 144088 | 0.3838 | 106.8202 |
| Oxazepam | Oxazepam D5 ISTD | 7.242 | 1060824 | 1149668 | 0.9227 | 111.1776 |
| Clonazepam | Clonazepam-D4 ISTD | 7.509 | 316703 | 657595 | 0.4816 | 104.0565 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.361 | 380617 | 290019 | 1.3124 | 103.8026 |
| Lorazepam | Oxazepam D5 ISTD | 7.584 | 183121 | 1149668 | 0.1593 | 109.8637 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.679 | 247642 | 144088 | 1.7187 | 96.5592 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.048 | 1633628 | 657595 | 2.4842 | 108.8101 |
| Temazepam | Temazepam-D5 ISTD | 8.354 | 1905734 | 2223384 | 0.8571 | 102.7134 |
| Diazepam | Diazepam-D5 ISTD | 8.990 | 984988 | 827159 | 1.1908 | 109.2008 |

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ISP FORENSICS

Pocatello

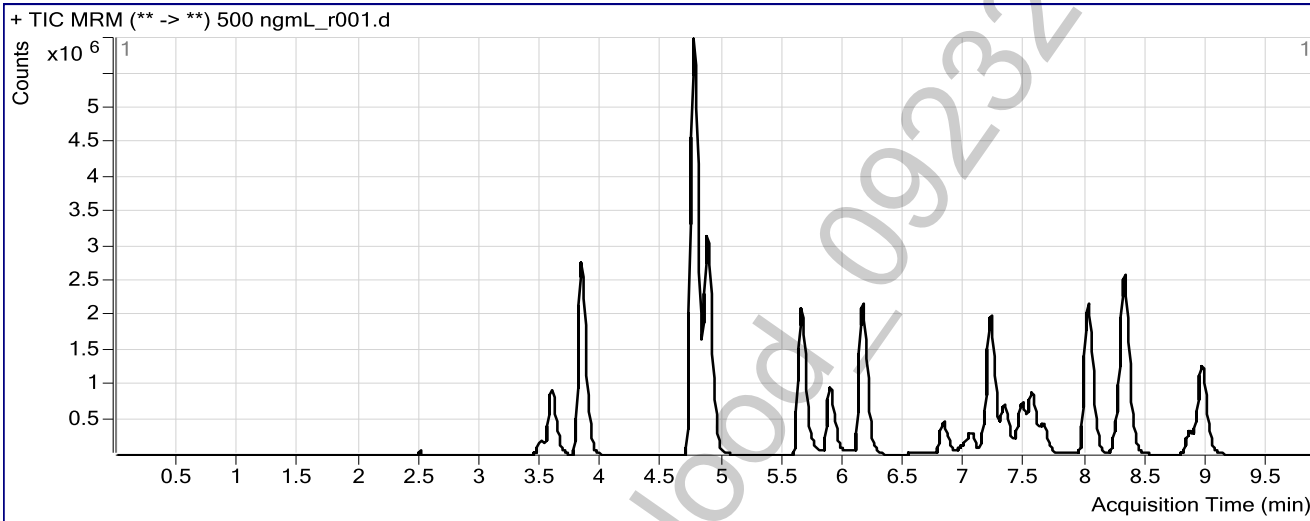
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
 Analysis Time 9/29/2015 10:12 AM Analyst Name ISUser
 Report Time 9/29/2015 10:14 AM Reporter Name ISUser
 Last Calib Update 9/29/2015 10:12 AM Batch State Processed

Analysis Info

Acq Time 2015-09-25 12:40 Data File 500 ngmL_r001.d
 Sample Type Calibration Sample Name 500 ngmL
 Dilution 1 Acq Method Benzos_Z_Drugs_ACN_FA_ISP.m
 Position P1-A7 Sample Info
 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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.587 | 3050563 | 765121 | 3.9870 | 494.6073 |
| zopiclone | Oxazepam D5 ISTD | 3.832 | 7909229 | 1199154 | 6.5957 | 499.7027 |
| zolpidem | Oxazepam D5 ISTD | 4.750 | 20795795 | 1199154 | 17.3420 | 508.1399 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.871 | 9349785 | 294879 | 31.7072 | 512.8077 |
| quetiapine | Temazepam-D5 ISTD | 5.644 | 5152896 | 2289337 | 2.2508 | 481.7054 |
| Midazolam | Clonazepam-D4 ISTD | 5.883 | 3279110 | 703552 | 4.6608 | 501.0596 |
| Flurazepam | Diazepam-D5 ISTD | 6.145 | 8411216 | 859302 | 9.7884 | 499.7418 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.821 | 1254316 | 703552 | 1.7828 | 495.2872 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.043 | 664579 | 294879 | 2.2537 | 486.0531 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 6.994 | 380582 | 222576 | 1.7099 | 475.2186 |
| Oxazepam | Oxazepam D5 ISTD | 7.208 | 4824653 | 1199154 | 4.0234 | 498.2858 |
| Clonazepam | Clonazepam-D4 ISTD | 7.467 | 1505036 | 703552 | 2.1392 | 476.0716 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.328 | 1856806 | 294879 | 6.2968 | 498.3371 |
| Lorazepam | Oxazepam D5 ISTD | 7.550 | 849180 | 1199154 | 0.7081 | 502.8878 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.637 | 1811174 | 222576 | 8.1373 | 473.4449 |
| Flunitrazepam | Clonazepam-D4 ISTD | 8.006 | 7637937 | 703552 | 10.8562 | 496.8781 |
| Temazepam | Temazepam-D5 ISTD | 8.312 | 9201360 | 2289337 | 4.0192 | 491.8511 |
| Diazepam | Diazepam-D5 ISTD | 8.948 | 4526784 | 859302 | 5.2680 | 506.3101 |

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ISP FORENSICS

Pocatello

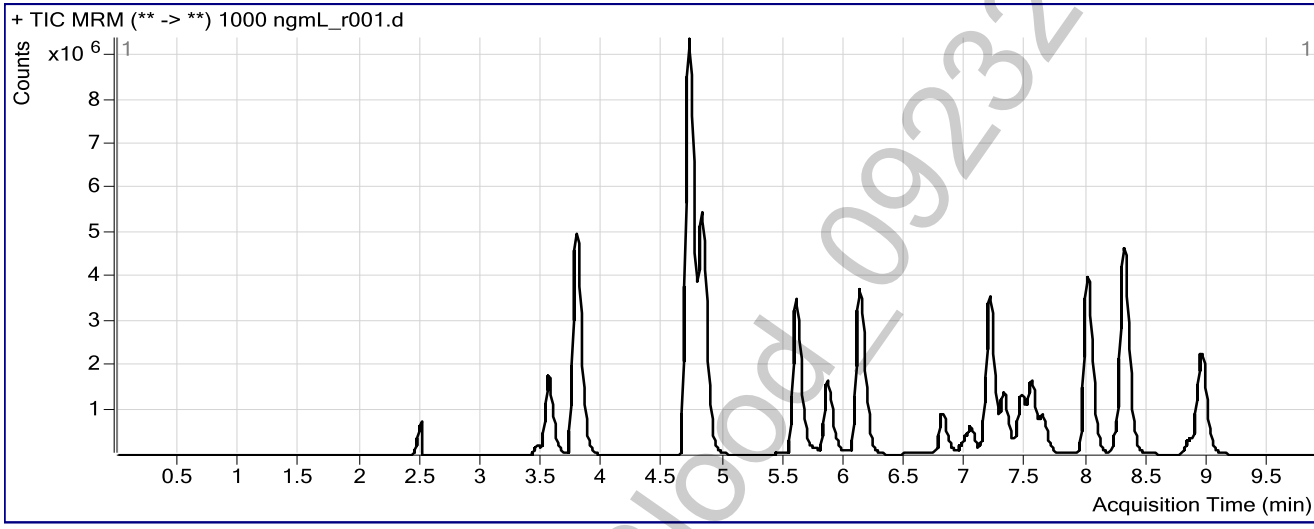
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 12:54 **Data File** 1000 ngmL_r001.d
Sample Type Calibration **Sample Name** 1000 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A8 **Sample Info**
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 |
|-------------------------|---------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.554 | 5884192 | 788598 | 7.4616 | 977.8830 |
| zopiclone | Oxazepam D5 ISTD | 3.782 | 15309374 | 1165095 | 13.1400 | 977.0880 |
| zolpidem | Oxazepam D5 ISTD | 4.708 | 36755237 | 1165095 | 31.5470 | 962.2524 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.821 | 16851989 | 281760 | 59.8097 | 975.1042 |
| quetiapine | Temazepam-D5 ISTD | 5.594 | 10153433 | 2194006 | 4.6278 | 1024.5649 |
| Midazolam | Clonazepam-D4 ISTD | 5.858 | 6221742 | 698529 | 8.9069 | 979.6088 |
| Flurazepam | Diazepam-D5 ISTD | 6.112 | 16334270 | 874647 | 18.6753 | 979.1969 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.804 | 2529232 | 698529 | 3.6208 | 998.2201 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.035 | 1333744 | 281760 | 4.7336 | 1007.7763 |
| alpha-Hydroxyalprazolam | alphanhydroxyalprazolam-D5 ISTD | 6.977 | 597157 | 138936 | 4.2981 | 1194.2246 |
| Oxazepam | Oxazepam D5 ISTD | 7.192 | 9112308 | 1165095 | 7.8211 | 984.6288 |
| Clonazepam | Clonazepam-D4 ISTD | 7.458 | 3069795 | 698529 | 4.3947 | 1022.8106 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.311 | 3514159 | 281760 | 12.4722 | 995.1195 |
| Lorazepam | Oxazepam D5 ISTD | 7.533 | 1571950 | 1165095 | 1.3492 | 983.8208 |
| Alprazolam | alphanhydroxyalprazolam-D5 ISTD | 7.629 | 2397976 | 138936 | 17.2596 | 1043.6000 |
| Flunitrazepam | Clonazepam-D4 ISTD | 7.998 | 14289191 | 698529 | 20.4561 | 984.1332 |
| Temazepam | Temazepam-D5 ISTD | 8.304 | 17310852 | 2194006 | 7.8901 | 1006.7610 |
| Diazepam | Diazepam-D5 ISTD | 8.940 | 8377834 | 874647 | 9.5785 | 972.2576 |

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ISP FORENSICS

Pocatello

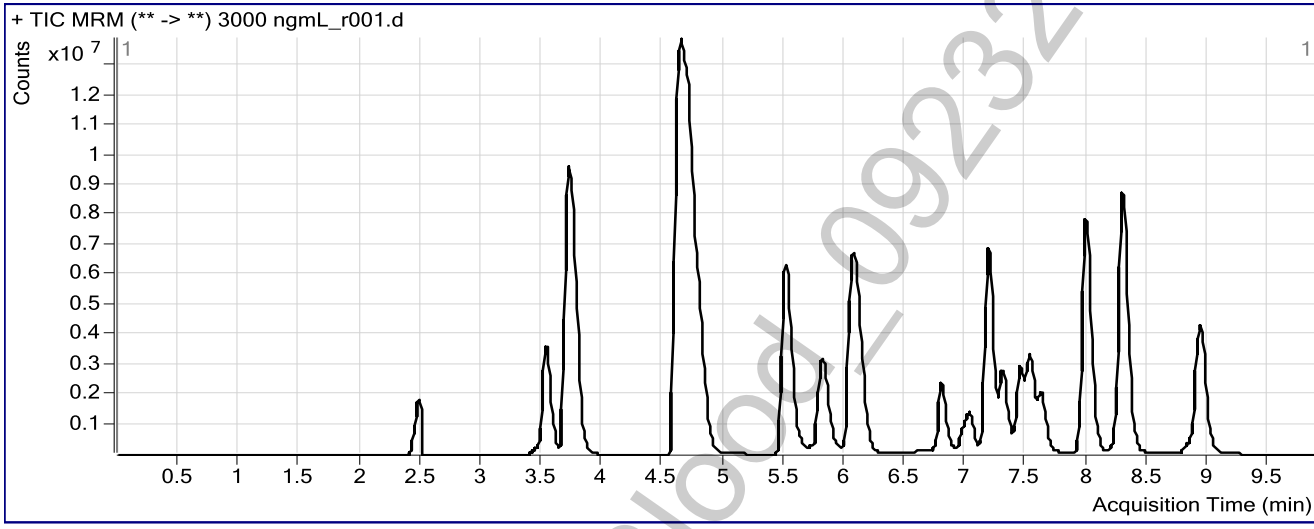
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISPUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 13:09 | Data File | 3000 ngmL_r001.d |
| Sample Type | Calibration | Sample Name | 3000 ngmL |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A9 | Sample Info | |
| 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 |
|-------------------------|--------------------------------|-------|----------|-----------|------------|------------|
| 7-Aminoclonazepam | 7-Aminoflunitrazepam-D7 ISTD | 2.482 | 3908950 | 722970 | 5.4068 | |
| 7-Aminoflunitrazepam | 7-Aminoflunitrazepam-D7 ISTD | 3.537 | 12936593 | 722970 | 17.8937 | 3015.1081 |
| zopiclone | Oxazepam D5 ISTD | 3.715 | 37883224 | 858997 | 44.1017 | 3006.0910 |
| zolpidem | Oxazepam D5 ISTD | 4.642 | 70415937 | 858997 | 81.9746 | 3016.4672 |
| Chlordiazepoxide | Nordiazepam-D5 ISTD | 4.738 | 36437462 | 205457 | 177.3485 | 3006.4237 |
| quetiapine | Temazepam-D5 ISTD | 5.502 | 21222520 | 1797376 | 11.8075 | 2993.2349 |
| Midazolam | Clonazepam-D4 ISTD | 5.807 | 14698283 | 590286 | 24.9003 | 3007.6087 |
| Flurazepam | Diazepam-D5 ISTD | 6.062 | 38913910 | 753153 | 51.6680 | 3008.1837 |
| Nitrazepam | Clonazepam-D4 ISTD | 6.796 | 6586731 | 590286 | 11.1585 | 3001.1205 |
| alpha-hydroxytriazolam | Nordiazepam-D5 ISTD | 7.026 | 3014259 | 205457 | 14.6710 | 2999.4996 |
| alpha-Hydroxyalprazolam | alphahydroxyalprazolam-D5 ISTD | 6.969 | 1577414 | 131921 | 11.9572 | 3321.9688 |
| Oxazepam | Oxazepam D5 ISTD | 7.183 | 19272572 | 858997 | 22.4361 | 3005.6796 |
| Clonazepam | Clonazepam-D4 ISTD | 7.442 | 6341462 | 590286 | 10.7430 | 2994.6059 |
| Nordiazepam | Nordiazepam-D5 ISTD | 7.302 | 7452506 | 205457 | 36.2729 | 3001.8939 |
| Lorazepam | Oxazepam D5 ISTD | 7.525 | 3157902 | 858997 | 3.6763 | 3005.8718 |
| Alprazolam | alphahydroxyalprazolam-D5 ISTD | 7.620 | 5668613 | 131921 | 42.9697 | 2981.1633 |
| Flunitrazepam | Clonazepam-D4 ISTD | 7.981 | 29210094 | 590286 | 49.4846 | 3010.0936 |
| Temazepam | Temazepam-D5 ISTD | 8.288 | 35055395 | 1797376 | 19.5037 | 2998.6012 |
| Diazepam | Diazepam-D5 ISTD | 8.923 | 16909257 | 753153 | 22.4513 | 3016.9127 |

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ISP FORENSICS

Pocatello

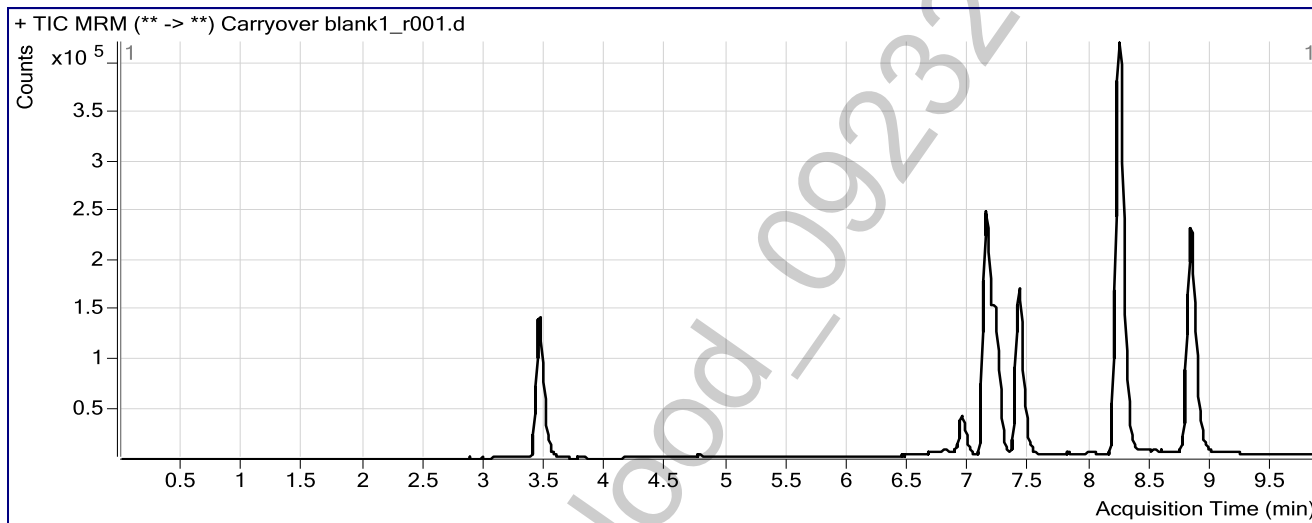
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISPUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 13:24 | Data File | Carryover blank1_r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | AM 6.1.1 Benzo and Z by LCQQQ |

Sample Chromatogram



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ISP FORENSICS

Pocatello

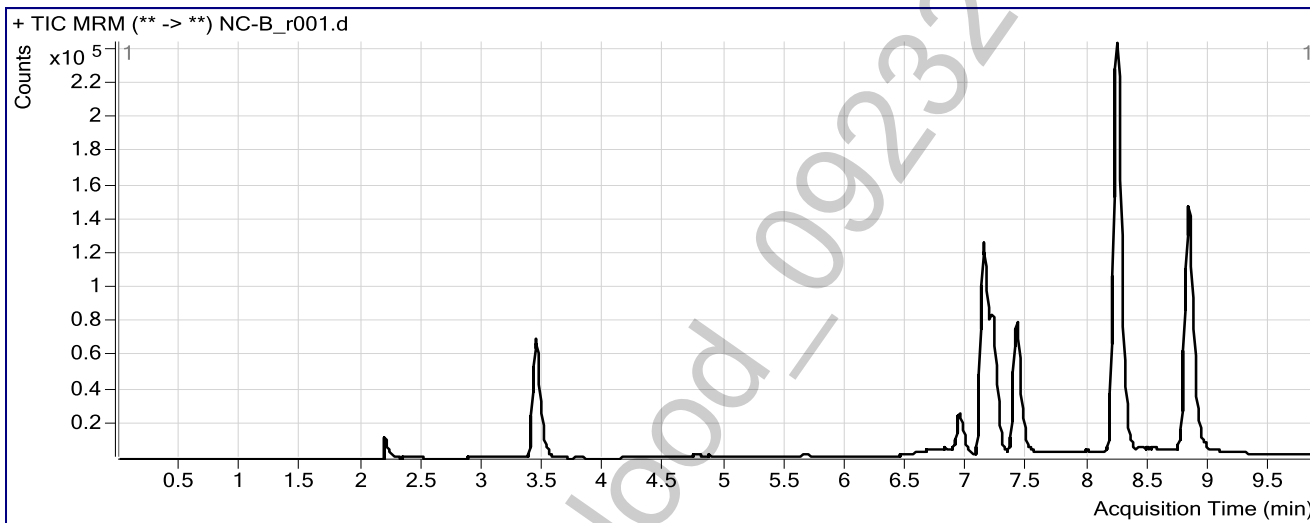
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISPUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 13:38 **Data File** NC-B_r001.d
Sample Type Sample **Sample Name** Negative Blood Control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-B1 **Sample Info** UTAK Negative Whole Blood LOT B0689
Inj Vol -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



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ISP FORENSICS

Pocatello

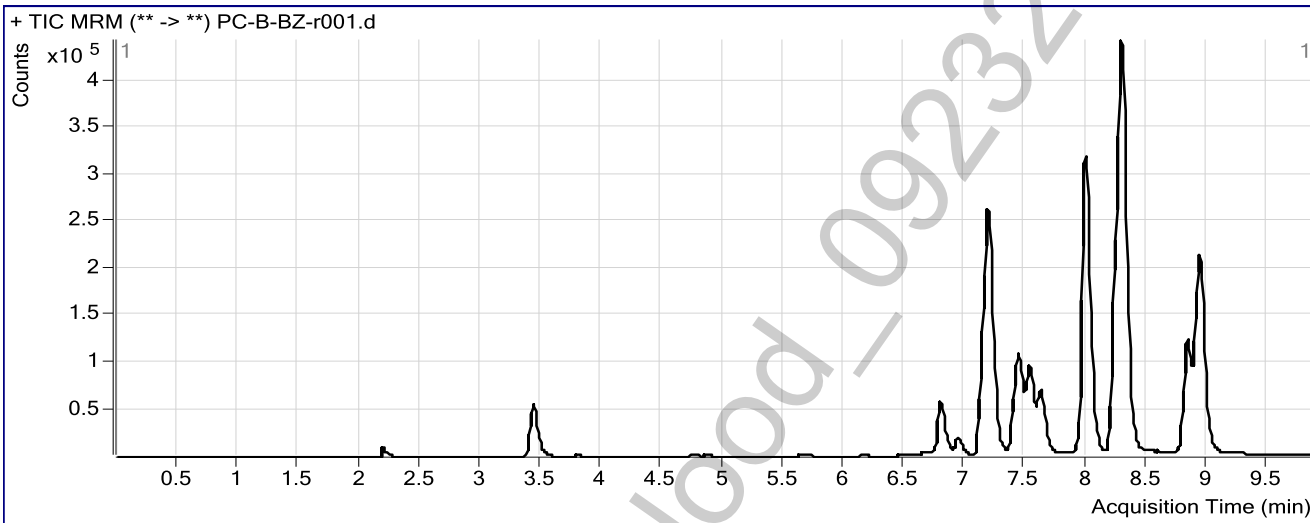
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISPUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 13:53 **Data File** PC-B-BZ-r001.d
Sample Type Sample **Sample Name** Positive Blood Control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-B2 **Sample Info** 200 ng/mL Benzodiazepines Mix Cerilliant lot FE012413-02 in neg LOT B0
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 | 6.796 | 155714 | 206015 | 0.7558 | 211.6114 |
| Oxazepam | Oxazepam D5 ISTD | 7.183 | 525879 | 329708 | 1.5950 | 194.3808 |
| Clonazepam | Clonazepam-D4 ISTD | 7.450 | 179214 | 206015 | 0.8699 | 189.2310 |
| Lorazepam | Oxazepam D5 ISTD | 7.525 | 80618 | 329708 | 0.2445 | 169.8548 |
| Alprazolam | alphahydroxyalprazolam-D5 ISTD | 7.620 | 265952 | 51168 | 5.1976 | 298.5743 |
| Flunitrazepam | Clonazepam-D4 ISTD | 7.989 | 1088956 | 206015 | 5.2858 | 235.3910 |
| Temazepam | Temazepam-D5 ISTD | 8.296 | 1382673 | 819202 | 1.6878 | 202.5499 |
| Diazepam | Diazepam-D5 ISTD | 8.932 | 699653 | 321373 | 2.1771 | 202.0228 |

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ISP FORENSICS

Pocatello

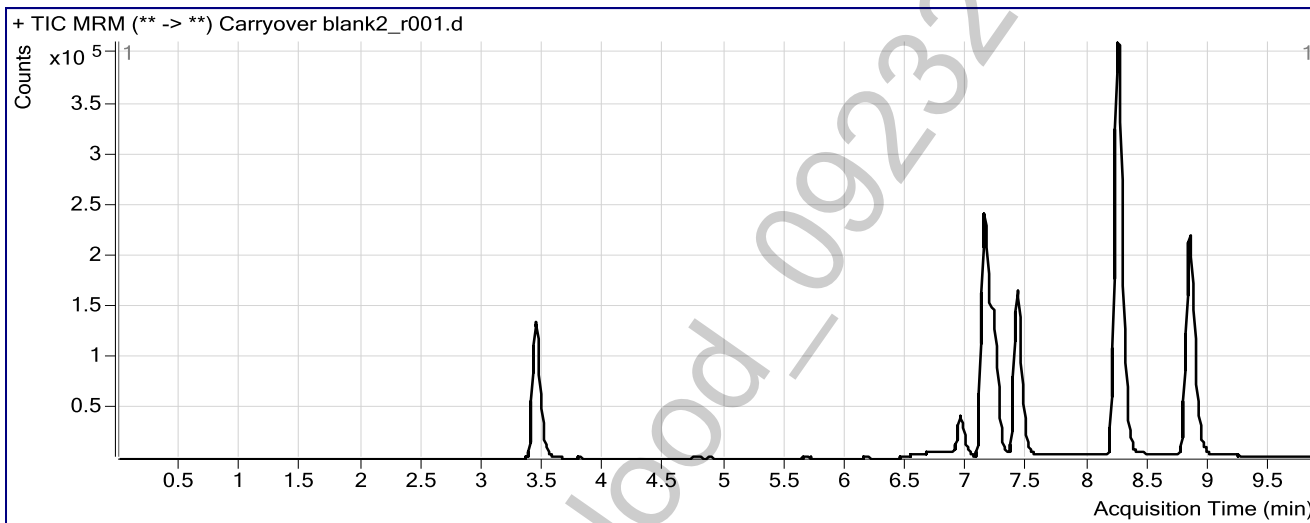
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin
Analysis Time 9/29/2015 10:12 AM **Analyst Name** ISPUser
Report Time 9/29/2015 10:14 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 10:12 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-25 14:07 **Data File** Carryover blank2_r001.d
Sample Type Blank **Sample Name** Blank
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



2

ISP FORENSICS

Pocatello

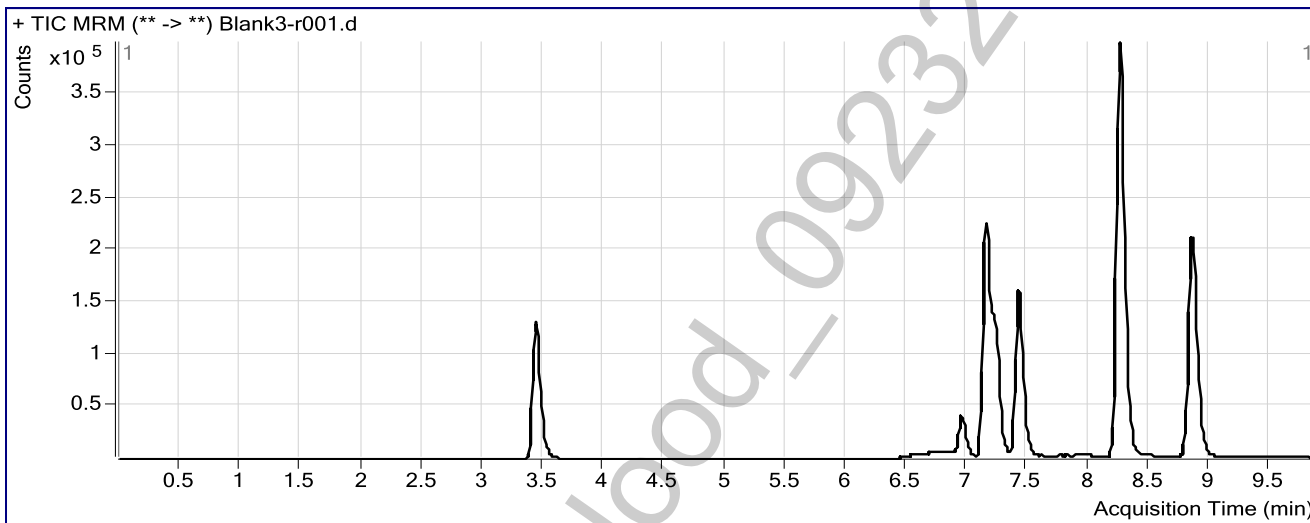
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISPUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 15:50 | Data File | Blank3-r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | AM 6.1.1 Benzo and Z by LCQQQ |

Sample Chromatogram



POC_AM 6.1.1 BIOC00-09232015 - CDS

2

ISP FORENSICS

Pocatello

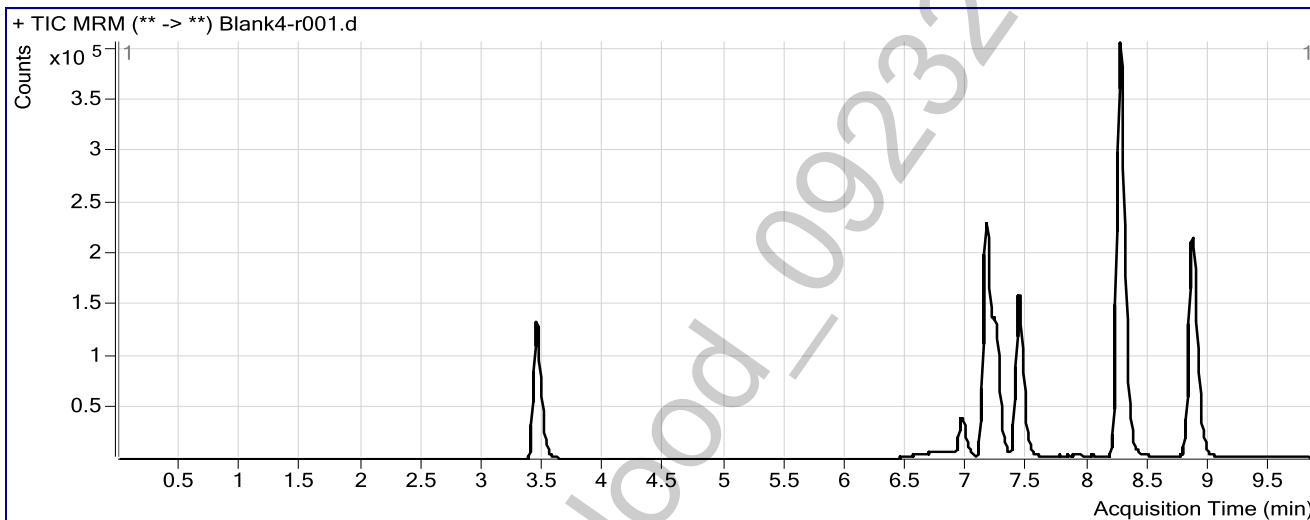
Benzodiazepine Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\BZ\BZ-B-092515CS\QuantResults\BZ-B 092515 CS.batch.bin | | |
| Analysis Time | 9/29/2015 10:12 AM | Analyst Name | ISPUser |
| Report Time | 9/29/2015 10:14 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 10:12 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-25 16:04 | Data File | Blank4-r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | Benzos_Z_Drugs_ACN_FA_ISP.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | AM 6.1.1 Benzo and Z by LCQQQ |

Sample Chromatogram



POC_AM 6.1.1 BIOCod - 09232015 - CDS