



«Tit» «Name» «Fam_Nam»
«Organization»
«Address1»
«Address_2»
«PO_Box» «City». «Country»

Sevilla, August, 2015

Proficiency Test 2015-1

Laboratory Code: «**Lab_code**»

Dear participants,

Enclosed you will find the report of the Proficiency Test 2015-1 on Drugs of Abuse in Hair, organized by the Society of Hair Testing.

Each of the participating laboratories received an identifying code. Your particular code is «**Lab_code**».

Sets of three samples were sent to forty five participating laboratories. Forty three of them sent the report forms back.

Sample contents were as follows:

- * Sample A contained opiates (6-MAM, morphine, codeine, acetylcodeine and heroin), cocainics (cocaine, BE, cocaethylene and norcocaine) amphetamine compounds (amphetamine, methamphetamine, MDMA and traces of MDA) and cannabis (THC, CBD, CBN and THC-COOH). It also contained methadone, dihydrocodeine, diazepam, nordiazepam, tramadol, ketamina and AEME.
- * Sample B contained amphetamine compounds (amphetamine and methamphetamine) and cannabis (THC, CBD, CBN and THC-COOH). It also contained traces of cocainics (cocaine, BE).
- * Sample C opiates (6-MAM, morphine, codeine, acetylcodeine and heroin), cocainics (cocaine, BE, cocaethylene and norcocaine) amphetamine compounds (amphetamine and MDMA) and cannabis (THC, CBD, CBN and THC-COOH). It also contained methadone, dihydrocodeine, diazepam, nordiazepam, tramadol and AEME.

Z-score

Z-score has been calculated based on robust estimators (median instead of mean and interquartile instead of standard deviation).

Z-score has been calculated as follows:

$$\text{Z-score} = (x - \chi) / \text{IQR}$$

Where:

x: Concentration reported by the participant

χ : Median concentration obtained from the participating laboratories

IQR: Interquartile range: It is calculated as: Q3-Q1 (the upper quartile minus the lower quartile)

Q3: Third quartile (percentile 75)

Q1: First quartile (percentile 25)

Decision criteria

The following criteria have been adopted:

Satisfactory results: $Z\text{-score} \leq \pm 2$

Questionable results: $2 < Z\text{-score} \leq 3$

Unsatisfactory results: $Z\text{-score} \geq 3$

Yours faithfully,

Carmen Jurado

QUALITATIVE RESULTS

Laboratory Code: **Lab**

| Sample A | | | | Sample B | | | | Sample C | | | |
|-----------------|---|---|---|-----------------|---|---|---|--------------|---|---|---|
| Substances | A | T | F | Substances | A | T | F | Substances | A | T | F |
| MAM | | P | | Amphetamine* | | P | | MAM | | P | |
| Morphine | | P | | Methamphetamine | | P | | Morphine | | P | |
| Codeine* | | P | | THC | | P | | Codeine | | P | |
| Cocaine | | P | | THC-COOH | | P | | Cocaine | | P | |
| BE | | P | | | | | | BE | | P | |
| Amphetamine | | P | | | | | | Amphetamine* | | P | |
| Methamphetamine | | P | | | | | | MDMA* | | P | |
| MDMA | | P | | | | | | THC | | P | |
| THC | | P | | | | | | THC-COOH | | P | |
| THC-COOH | | P | | | | | | | | | |

* The median concentration of codeine in Sample A is 0.13 ng/mg, which is lower than the cut-off proposed by SoHT (0.2 ng/mg). The median concentration of amphetamine in Sample B is 0.16 ng/mg, which is lower than the cut-off proposed by SoHT (0.2 ng/mg). The median concentration of amphetamine in Sample C is 0.13 ng/mg, which is lower than the cut-off proposed by SoHT (0.2 ng/mg). The median concentration of MDMA in Sample C is 0.15 ng/mg, which is lower than the cut-off proposed by SoHT (0.2 ng/mg).

A: Your answer
T: True answer
F: False answer

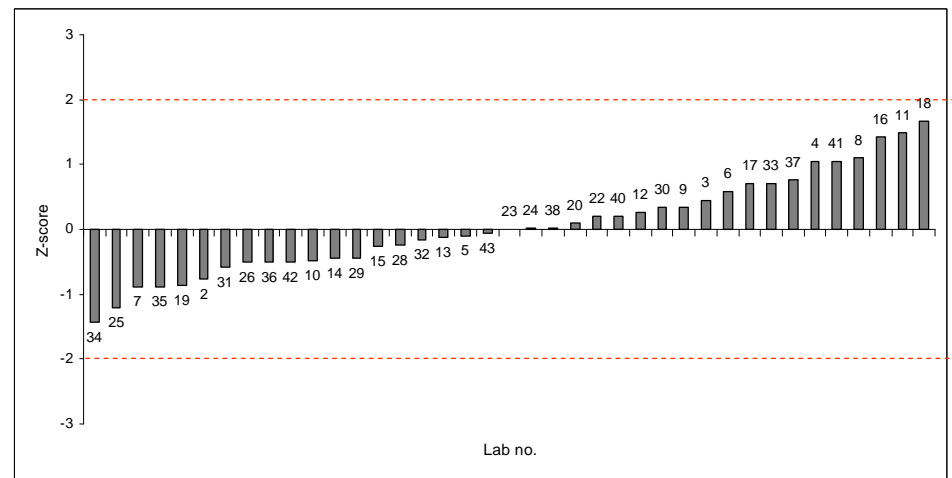
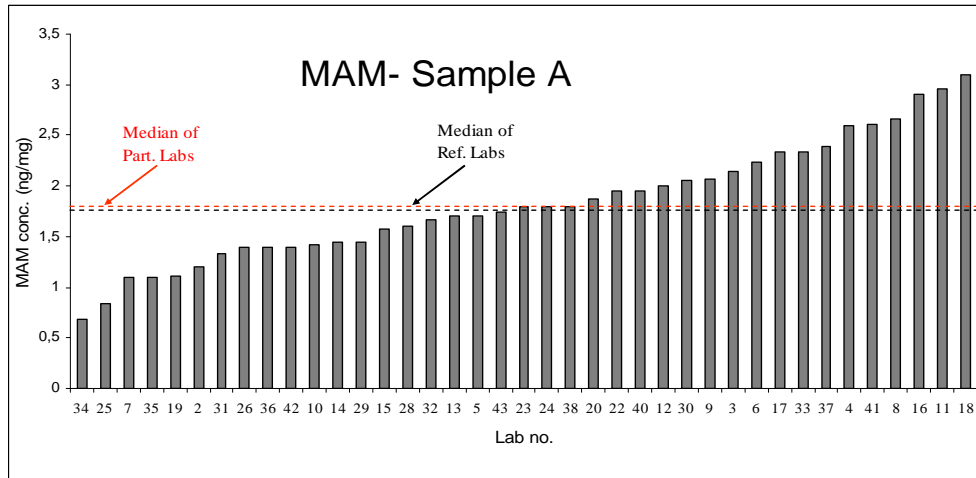
P: Positive
N: Negative

NR: Not reported
NA: Not analyzed

FN: False Negative
FP: False Positive

Comments:

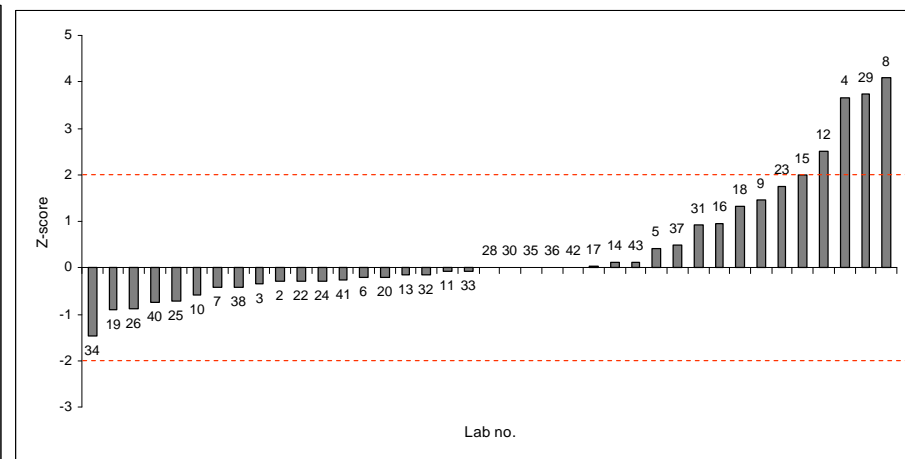
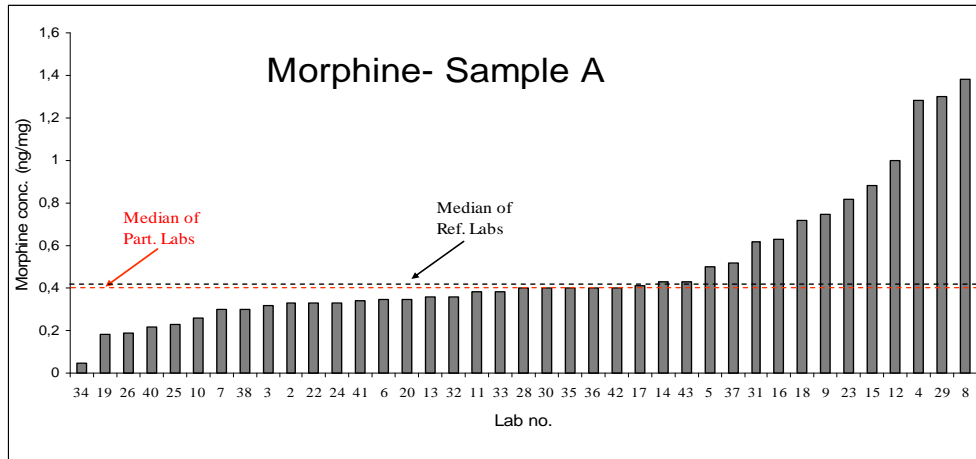
- Sample A contains methadone, CBD, CBN, norcocaine, cocaethylene, dihydrocodeine, diazepam, tramadol, ketamine and traces of MDA (0.04 ng/mg, median concentration).
- Sample B contains CBD, CBN, and traces of cocaine (0.06 ng/mg, median concentration), benzoylecgonine (0.08 ng/mg, median concentration),
- Sample C contains methadone, CBD, CBN, norcocaine, cocaethylene, dihydrocodeine, diazepam and tramadol.



| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 34 | 0,68 | -1,42 | Satisfactory |
| 25 | 0,84 | -1,22 | Satisfactory |
| 7 | 1,10 | -0,88 | Satisfactory |
| 35 | 1,10 | -0,88 | Satisfactory |
| 19 | 1,11 | -0,87 | Satisfactory |
| 2 | 1,20 | -0,76 | Satisfactory |
| 31 | 1,33 | -0,59 | Satisfactory |
| 26 | 1,40 | -0,50 | Satisfactory |
| 36 | 1,40 | -0,50 | Satisfactory |
| 42 | 1,40 | -0,50 | Satisfactory |
| 10 | 1,42 | -0,47 | Satisfactory |
| 14 | 1,45 | -0,43 | Satisfactory |
| 29 | 1,45 | -0,43 | Satisfactory |
| 15 | 1,58 | -0,27 | Satisfactory |
| 28 | 1,60 | -0,24 | Satisfactory |
| 32 | 1,67 | -0,15 | Satisfactory |
| 13 | 1,70 | -0,11 | Satisfactory |
| 5 | 1,71 | -0,10 | Satisfactory |
| 43 | 1,75 | -0,05 | Satisfactory |
| 23 | 1,79 | 0 | Satisfactory |
| 24 | 1,80 | 0,01 | Satisfactory |
| 38 | 1,80 | 0,01 | Satisfactory |
| 20 | 1,87 | 0,10 | Satisfactory |
| 22 | 1,95 | 0,20 | Satisfactory |
| 40 | 1,95 | 0,20 | Satisfactory |
| 12 | 2,00 | 0,27 | Satisfactory |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 30 | 2,05 | 0,33 | Satisfactory |
| 9 | 2,06 | 0,35 | Satisfactory |
| 3 | 2,14 | 0,45 | Satisfactory |
| 6 | 2,24 | 0,58 | Satisfactory |
| 17 | 2,34 | 0,70 | Satisfactory |
| 33 | 2,34 | 0,70 | Satisfactory |
| 37 | 2,39 | 0,77 | Satisfactory |
| 4 | 2,60 | 1,04 | Satisfactory |
| 41 | 2,61 | 1,05 | Satisfactory |
| 8 | 2,66 | 1,11 | Satisfactory |
| 16 | 2,90 | 1,42 | Satisfactory |
| 11 | 2,96 | 1,50 | Satisfactory |
| 18 | 3,10 | 1,68 | Satisfactory |
| 21 | P | | |
| 27 | P | | |
| 39 | P | | |

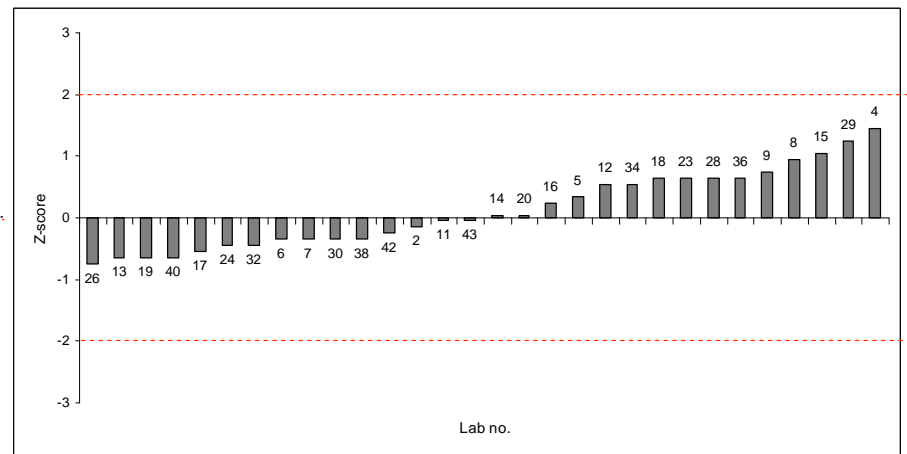
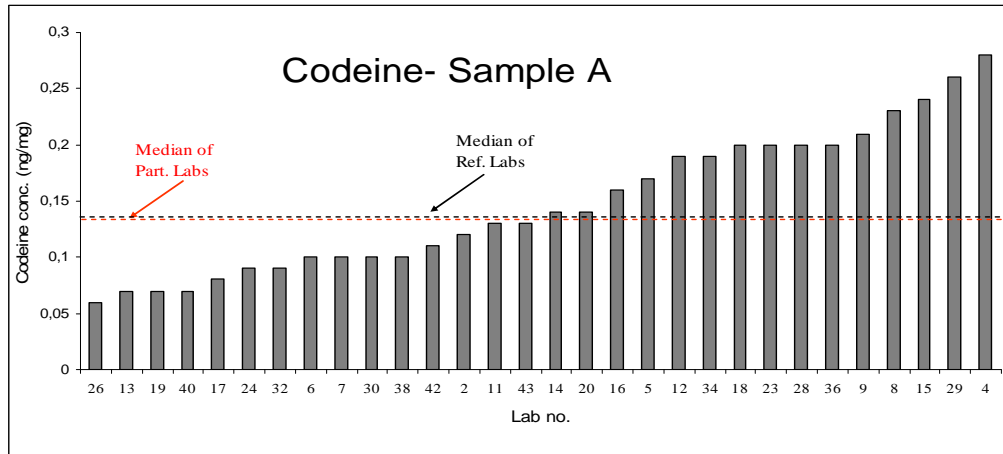
| | |
|-------------|-------|
| Average | 1,83 |
| SD | 0,57 |
| CV% | 31,41 |
| Median | 1,79 |
| Minimum | 0,68 |
| Quartile 25 | 1,41 |
| Quartile 75 | 2,19 |
| Maximum | 3,1 |
| Iqr | 0,78 |



| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 34 | 0,05 | -1,46 | Satisfactory |
| 19 | 0,18 | -0,92 | Satisfactory |
| 26 | 0,19 | -0,87 | Satisfactory |
| 40 | 0,22 | -0,75 | Satisfactory |
| 25 | 0,23 | -0,71 | Satisfactory |
| 10 | 0,26 | -0,58 | Satisfactory |
| 7 | 0,30 | -0,42 | Satisfactory |
| 38 | 0,30 | -0,42 | Satisfactory |
| 3 | 0,32 | -0,33 | Satisfactory |
| 2 | 0,33 | -0,29 | Satisfactory |
| 22 | 0,33 | -0,29 | Satisfactory |
| 24 | 0,33 | -0,29 | Satisfactory |
| 41 | 0,34 | -0,25 | Satisfactory |
| 6 | 0,35 | -0,21 | Satisfactory |
| 20 | 0,35 | -0,21 | Satisfactory |
| 13 | 0,36 | -0,17 | Satisfactory |
| 32 | 0,36 | -0,17 | Satisfactory |
| 11 | 0,38 | -0,08 | Satisfactory |
| 33 | 0,38 | -0,08 | Satisfactory |
| 28 | 0,40 | 0 | Satisfactory |
| 30 | 0,40 | 0 | Satisfactory |
| 35 | 0,40 | 0 | Satisfactory |
| 36 | 0,40 | 0 | Satisfactory |
| 42 | 0,40 | 0 | Satisfactory |
| 17 | 0,41 | 0,04 | Satisfactory |
| 14 | 0,43 | 0,12 | Satisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 43 | 0,43 | 0,12 | Satisfactory |
| 5 | 0,50 | 0,42 | Satisfactory |
| 37 | 0,52 | 0,50 | Satisfactory |
| 31 | 0,62 | 0,92 | Satisfactory |
| 16 | 0,63 | 0,96 | Satisfactory |
| 18 | 0,72 | 1,33 | Satisfactory |
| 9 | 0,75 | 1,46 | Satisfactory |
| 23 | 0,82 | 1,75 | Satisfactory |
| 15 | 0,88 | 2 | Questionable |
| 12 | 1,00 | 2,50 | Questionable |
| 4 | 1,28 | 3,67 | Unsatisfactory |
| 29 | 1,30 | 3,75 | Unsatisfactory |
| 8 | 1,38 | 4,08 | Unsatisfactory |
| 27 | P | | |
| 39 | P | | |

| | |
|-------------|-------|
| Average | 0,49 |
| SD | 0,31 |
| CV% | 62,26 |
| Median | 0,40 |
| Minimum | 0,05 |
| Quartile 25 | 0,33 |
| Quartile 75 | 0,57 |
| Maximum | 1,38 |
| Iqr | 0,24 |

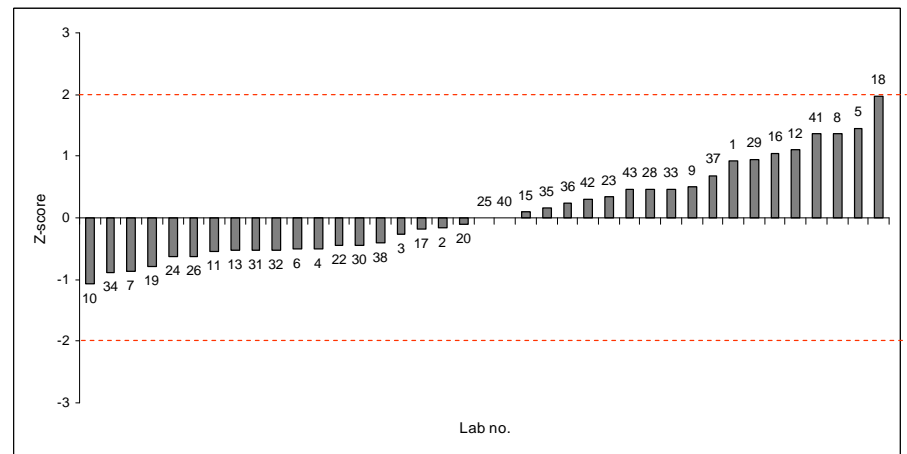
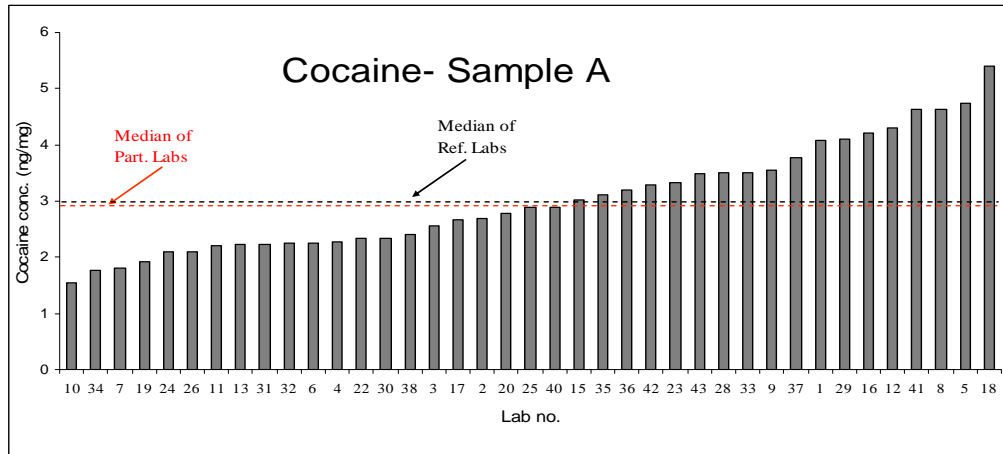


| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 26 | 0,06 | -0,75 | Satisfactory |
| 13 | 0,07 | -0,65 | Satisfactory |
| 19 | 0,07 | -0,65 | Satisfactory |
| 40 | 0,07 | -0,65 | Satisfactory |
| 17 | 0,08 | -0,55 | Satisfactory |
| 24 | 0,09 | -0,45 | Satisfactory |
| 32 | 0,09 | -0,45 | Satisfactory |
| 6 | 0,10 | -0,35 | Satisfactory |
| 7 | 0,10 | -0,35 | Satisfactory |
| 30 | 0,10 | -0,35 | Satisfactory |
| 38 | 0,10 | -0,35 | Satisfactory |
| 42 | 0,11 | -0,25 | Satisfactory |
| 2 | 0,12 | -0,15 | Satisfactory |
| 11 | 0,13 | -0,05 | Satisfactory |
| 43 | 0,13 | -0,05 | Satisfactory |
| 14 | 0,14 | 0,05 | Satisfactory |
| 20 | 0,14 | 0,05 | Satisfactory |
| 16 | 0,16 | 0,25 | Satisfactory |
| 5 | 0,17 | 0,35 | Satisfactory |
| 12 | 0,19 | 0,55 | Satisfactory |
| 34 | 0,19 | 0,55 | Satisfactory |
| 18 | 0,20 | 0,65 | Satisfactory |
| 23 | 0,20 | 0,65 | Satisfactory |
| 28 | 0,20 | 0,65 | Satisfactory |
| 36 | 0,20 | 0,65 | Satisfactory |
| 9 | 0,21 | 0,75 | Satisfactory |

| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 8 | 0,23 | 0,95 | Satisfactory |
| 15 | 0,24 | 1,05 | Satisfactory |
| 29 | 0,26 | 1,25 | Satisfactory |
| 4 | 0,28 | 1,45 | Satisfactory |
| 22 | Traces | | |
| 37 | Traces | | |
| 39 | P | | |

| | |
|-------------|-------|
| Average | 0,15 |
| SD | 0,06 |
| CV% | 41,66 |
| Median | 0,135 |
| Minimum | 0,06 |
| Quartile 25 | 0,10 |
| Quartile 75 | 0,20 |
| Maximum | 0,28 |
| Iqr | 0,10 |

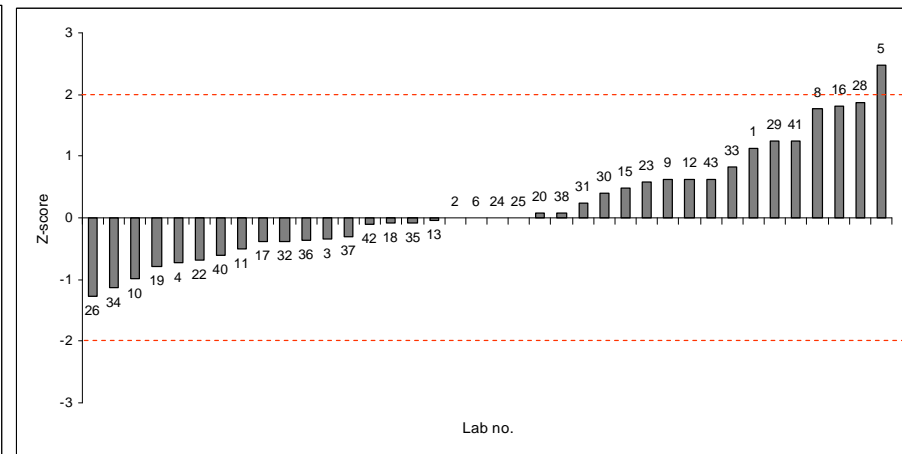
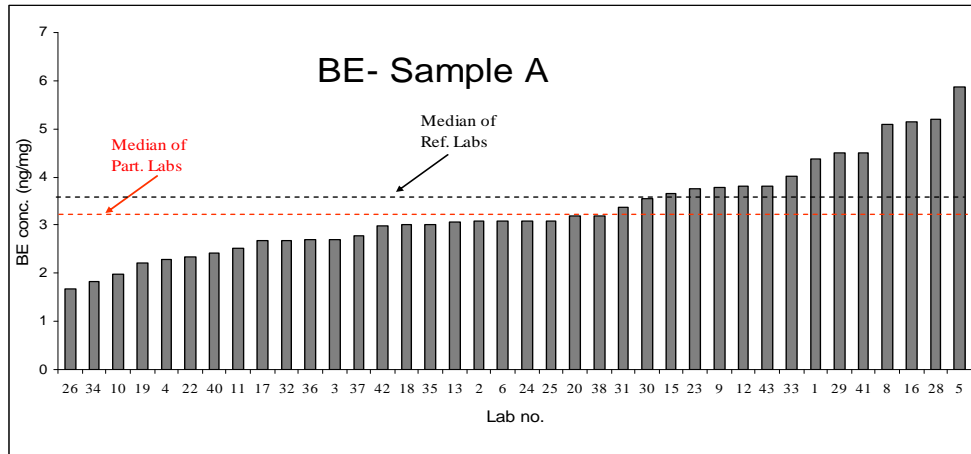
The median Codeine concentration is below the cut-off proposed by SoHT (0.20 ng/mg)



| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 10 | 1,54 | -1,07 | Satisfactory |
| 34 | 1,77 | -0,89 | Satisfactory |
| 7 | 1,80 | -0,87 | Satisfactory |
| 19 | 1,91 | -0,78 | Satisfactory |
| 24 | 2,10 | -0,63 | Satisfactory |
| 26 | 2,10 | -0,63 | Satisfactory |
| 11 | 2,21 | -0,54 | Satisfactory |
| 13 | 2,23 | -0,53 | Satisfactory |
| 31 | 2,23 | -0,53 | Satisfactory |
| 32 | 2,24 | -0,52 | Satisfactory |
| 6 | 2,26 | -0,50 | Satisfactory |
| 4 | 2,27 | -0,50 | Satisfactory |
| 22 | 2,33 | -0,45 | Satisfactory |
| 30 | 2,34 | -0,44 | Satisfactory |
| 38 | 2,40 | -0,39 | Satisfactory |
| 3 | 2,56 | -0,27 | Satisfactory |
| 17 | 2,66 | -0,19 | Satisfactory |
| 2 | 2,70 | -0,16 | Satisfactory |
| 20 | 2,78 | -0,09 | Satisfactory |
| 25 | 2,90 | 0 | Satisfactory |
| 40 | 2,90 | 0 | Satisfactory |
| 15 | 3,02 | 0,09 | Satisfactory |
| 35 | 3,10 | 0,16 | Satisfactory |
| 36 | 3,20 | 0,24 | Satisfactory |
| 42 | 3,28 | 0,30 | Satisfactory |
| 23 | 3,33 | 0,34 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 43 | 3,48 | 0,46 | Satisfactory |
| 28 | 3,50 | 0,47 | Satisfactory |
| 33 | 3,50 | 0,47 | Satisfactory |
| 9 | 3,55 | 0,51 | Satisfactory |
| 37 | 3,78 | 0,69 | Satisfactory |
| 1 | 4,07 | 0,92 | Satisfactory |
| 29 | 4,10 | 0,94 | Satisfactory |
| 16 | 4,22 | 1,04 | Satisfactory |
| 12 | 4,30 | 1,10 | Satisfactory |
| 41 | 4,63 | 1,36 | Satisfactory |
| 8 | 4,64 | 1,37 | Satisfactory |
| 5 | 4,75 | 1,46 | Satisfactory |
| 18 | 5,40 | 1,97 | Satisfactory |
| 21 | P | | |
| 27 | P | | |
| 39 | P | | |

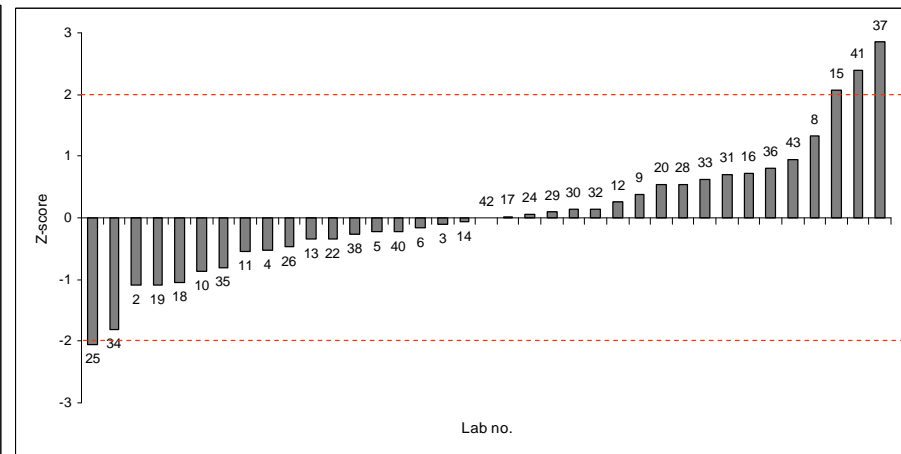
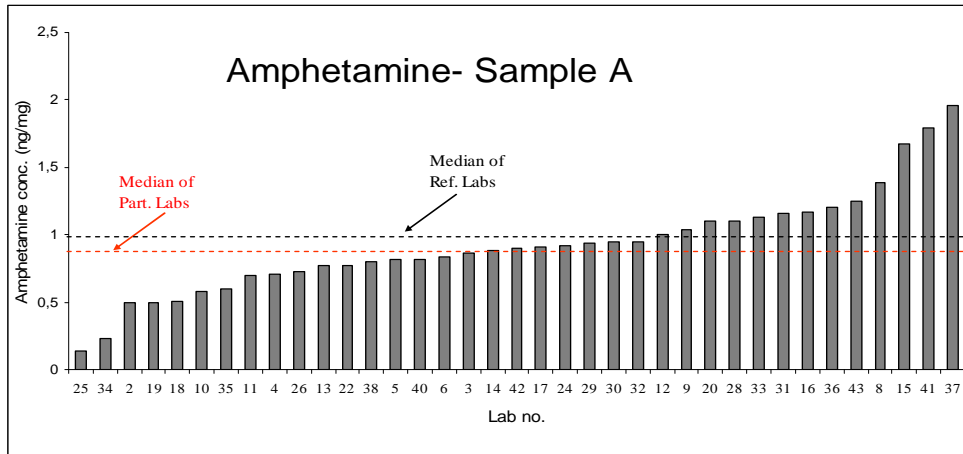
| | |
|-------------|-------|
| Average | 3,03 |
| SD | 0,94 |
| CV% | 31,12 |
| Median | 2,90 |
| Minimum | 1,54 |
| Quartile 25 | 2,25 |
| Quartile 75 | 3,525 |
| Maximum | 5,4 |
| Iqr | 1,275 |



| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 26 | 1,68 | -1,27 | Satisfactory |
| 34 | 1,83 | -1,13 | Satisfactory |
| 10 | 1,99 | -0,99 | Satisfactory |
| 19 | 2,22 | -0,78 | Satisfactory |
| 4 | 2,28 | -0,73 | Satisfactory |
| 22 | 2,33 | -0,69 | Satisfactory |
| 40 | 2,43 | -0,60 | Satisfactory |
| 11 | 2,53 | -0,51 | Satisfactory |
| 17 | 2,67 | -0,38 | Satisfactory |
| 32 | 2,67 | -0,38 | Satisfactory |
| 36 | 2,70 | -0,36 | Satisfactory |
| 3 | 2,71 | -0,35 | Satisfactory |
| 37 | 2,77 | -0,29 | Satisfactory |
| 42 | 2,98 | -0,11 | Satisfactory |
| 18 | 3,00 | -0,09 | Satisfactory |
| 35 | 3,02 | -0,07 | Satisfactory |
| 13 | 3,05 | -0,04 | Satisfactory |
| 2 | 3,10 | 0 | Satisfactory |
| 6 | 3,10 | 0 | Satisfactory |
| 24 | 3,10 | 0 | Satisfactory |
| 25 | 3,10 | 0 | Satisfactory |
| 20 | 3,19 | 0,08 | Satisfactory |
| 38 | 3,20 | 0,09 | Satisfactory |
| 31 | 3,38 | 0,25 | Satisfactory |
| 30 | 3,56 | 0,41 | Satisfactory |
| 15 | 3,65 | 0,49 | Satisfactory |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 23 | 3,76 | 0,59 | Satisfactory |
| 9 | 3,79 | 0,62 | Satisfactory |
| 12 | 3,80 | 0,62 | Satisfactory |
| 43 | 3,81 | 0,63 | Satisfactory |
| 33 | 4,02 | 0,82 | Satisfactory |
| 1 | 4,37 | 1,13 | Satisfactory |
| 29 | 4,50 | 1,25 | Satisfactory |
| 41 | 4,50 | 1,25 | Satisfactory |
| 8 | 5,09 | 1,78 | Satisfactory |
| 16 | 5,14 | 1,82 | Satisfactory |
| 28 | 5,20 | 1,87 | Satisfactory |
| 5 | 5,88 | 2,48 | Questionable |
| 7 | P | | |
| 27 | P | | |
| 39 | P | | |

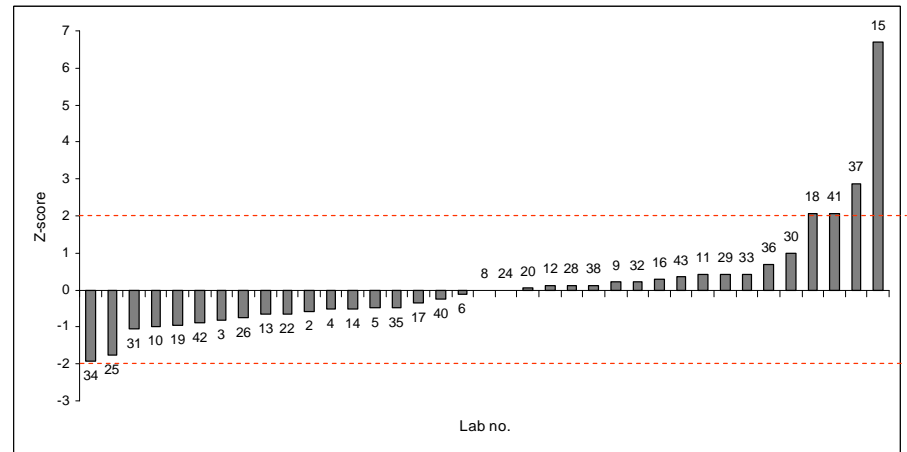
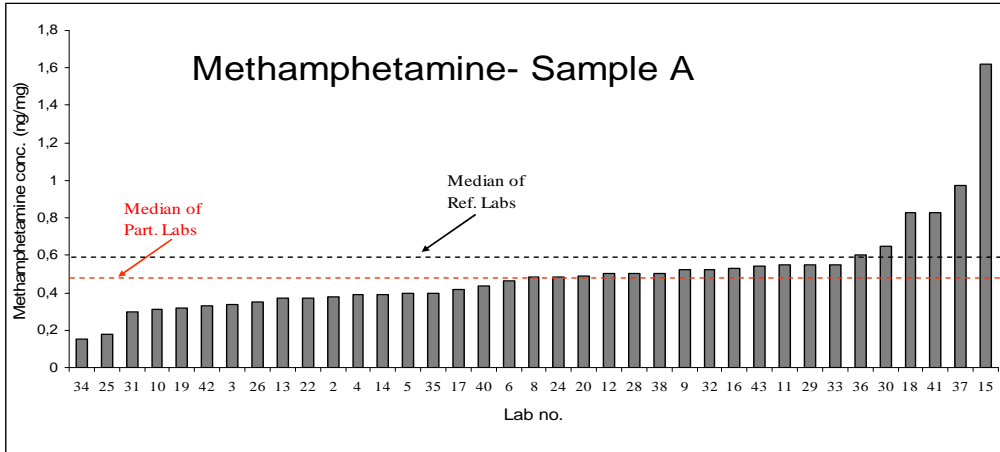
| | |
|-------------|-----------|
| Average | 3,3184211 |
| SD | 0,971189 |
| CV% | 29,266599 |
| Median | 3,1 |
| Minimum | 1,68 |
| Quartile 25 | 2,6775 |
| Quartile 75 | 3,7975 |
| Maximum | 5,88 |
| Iqr | 1,12 |



| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 25 | 0,14 | -2,05 | Questionable |
| 34 | 0,23 | -1,81 | Satisfactory |
| 2 | 0,50 | -1,08 | Satisfactory |
| 19 | 0,50 | -1,08 | Satisfactory |
| 18 | 0,51 | -1,05 | Satisfactory |
| 10 | 0,58 | -0,86 | Satisfactory |
| 35 | 0,60 | -0,81 | Satisfactory |
| 11 | 0,70 | -0,54 | Satisfactory |
| 4 | 0,71 | -0,51 | Satisfactory |
| 26 | 0,73 | -0,46 | Satisfactory |
| 13 | 0,77 | -0,35 | Satisfactory |
| 22 | 0,77 | -0,35 | Satisfactory |
| 38 | 0,80 | -0,27 | Satisfactory |
| 5 | 0,82 | -0,22 | Satisfactory |
| 40 | 0,82 | -0,22 | Satisfactory |
| 6 | 0,84 | -0,16 | Satisfactory |
| 3 | 0,86 | -0,11 | Satisfactory |
| 14 | 0,88 | -0,05 | Satisfactory |
| 42 | 0,90 | 0 | Satisfactory |
| 17 | 0,91 | 0,03 | Satisfactory |
| 24 | 0,92 | 0,05 | Satisfactory |
| 29 | 0,94 | 0,11 | Satisfactory |
| 30 | 0,95 | 0,13 | Satisfactory |
| 32 | 0,95 | 0,13 | Satisfactory |
| 12 | 1,00 | 0,27 | Satisfactory |
| 9 | 1,04 | 0,38 | Satisfactory |

| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 20 | 1,10 | 0,54 | Satisfactory |
| 28 | 1,10 | 0,54 | Satisfactory |
| 33 | 1,13 | 0,62 | Satisfactory |
| 31 | 1,16 | 0,70 | Satisfactory |
| 16 | 1,17 | 0,73 | Satisfactory |
| 36 | 1,20 | 0,81 | Satisfactory |
| 43 | 1,25 | 0,94 | Satisfactory |
| 8 | 1,39 | 1,32 | Satisfactory |
| 15 | 1,67 | 2,08 | Questionable |
| 41 | 1,79 | 2,40 | Questionable |
| 37 | 1,96 | 2,86 | Questionable |
| 7 | P | | |
| 21 | P | | |
| 27 | P | | |

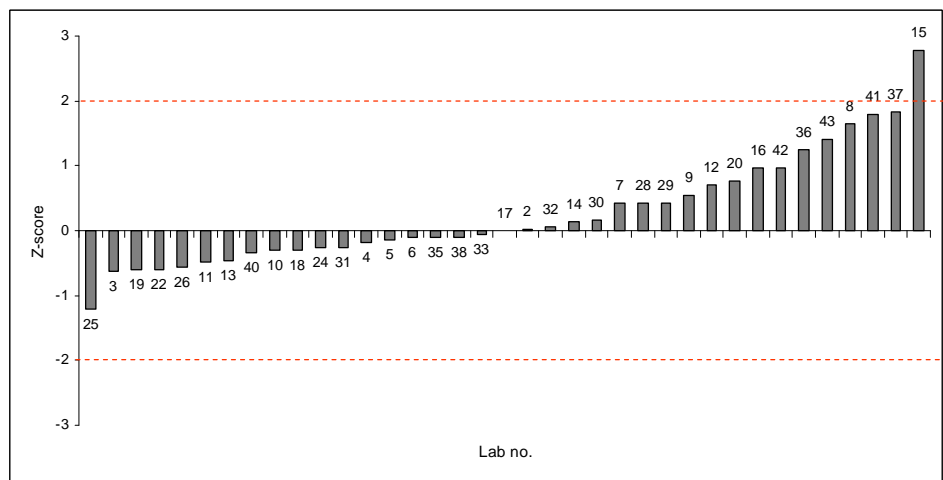
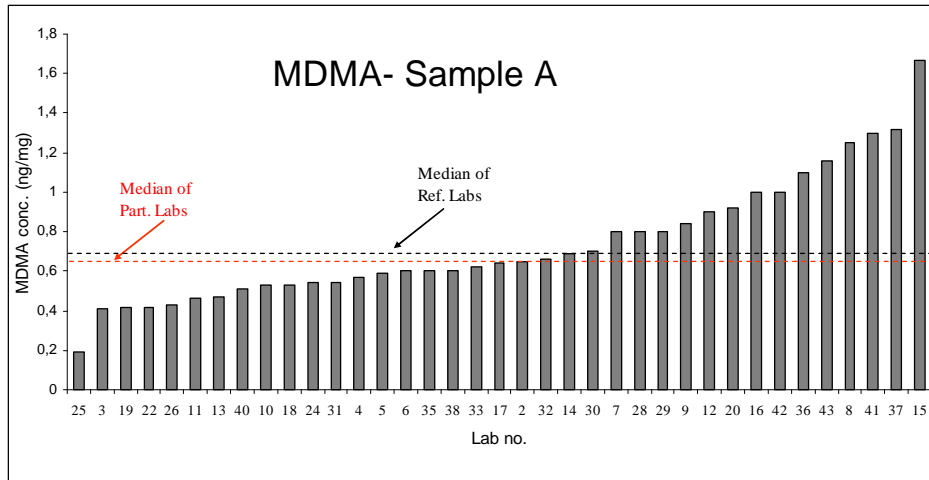
| | |
|-------------|-------|
| Average | 0,93 |
| SD | 0,37 |
| CV% | 40,07 |
| Median | 0,90 |
| Minimum | 0,14 |
| Quartile 25 | 0,73 |
| Quartile 75 | 1,10 |
| Maximum | 1,96 |
| Iqr | 0,37 |



| Lab. | Methamphet. (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 34 | 0,15 | -1,94 | Satisfactory |
| 25 | 0,18 | -1,76 | Satisfactory |
| 31 | 0,30 | -1,06 | Satisfactory |
| 10 | 0,31 | -1 | Satisfactory |
| 19 | 0,32 | -0,94 | Satisfactory |
| 42 | 0,33 | -0,88 | Satisfactory |
| 3 | 0,34 | -0,82 | Satisfactory |
| 26 | 0,35 | -0,76 | Satisfactory |
| 13 | 0,37 | -0,65 | Satisfactory |
| 22 | 0,37 | -0,65 | Satisfactory |
| 2 | 0,38 | -0,59 | Satisfactory |
| 4 | 0,39 | -0,53 | Satisfactory |
| 14 | 0,39 | -0,53 | Satisfactory |
| 5 | 0,40 | -0,47 | Satisfactory |
| 35 | 0,40 | -0,47 | Satisfactory |
| 17 | 0,42 | -0,35 | Satisfactory |
| 40 | 0,44 | -0,23 | Satisfactory |
| 6 | 0,46 | -0,12 | Satisfactory |
| 8 | 0,48 | 0 | Satisfactory |
| 24 | 0,48 | 0 | Satisfactory |
| 20 | 0,49 | 0,06 | Satisfactory |
| 12 | 0,50 | 0,12 | Satisfactory |
| 28 | 0,50 | 0,12 | Satisfactory |
| 38 | 0,50 | 0,12 | Satisfactory |
| 9 | 0,52 | 0,23 | Satisfactory |
| 32 | 0,52 | 0,23 | Satisfactory |

| Lab. | Methamphet. (ng/mg) | Z-score | Result |
|------|---------------------|---------|----------------|
| 16 | 0,53 | 0,29 | Satisfactory |
| 43 | 0,54 | 0,35 | Satisfactory |
| 11 | 0,55 | 0,41 | Satisfactory |
| 29 | 0,55 | 0,41 | Satisfactory |
| 33 | 0,55 | 0,41 | Satisfactory |
| 36 | 0,60 | 0,70 | Satisfactory |
| 30 | 0,65 | 1 | Satisfactory |
| 18 | 0,83 | 2,06 | Questionable |
| 41 | 0,83 | 2,06 | Questionable |
| 37 | 0,97 | 2,88 | Questionable |
| 15 | 1,62 | 6,70 | Unsatisfactory |
| 27 | P | | |

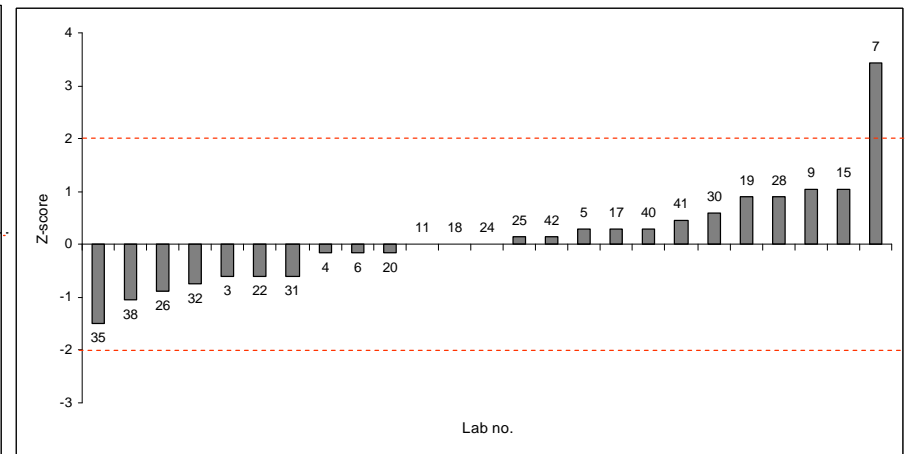
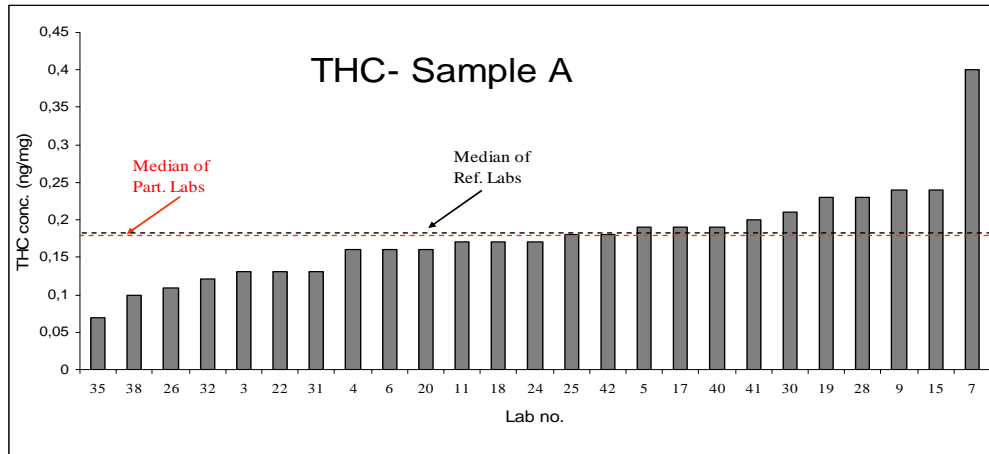
| | |
|-------------|-------|
| Average | 0,50 |
| SD | 0,25 |
| CV% | 49,31 |
| Median | 0,48 |
| Minimum | 0,15 |
| Quartile 25 | 0,37 |
| Quartile 75 | 0,54 |
| Maximum | 1,62 |
| Iqr | 0,17 |



| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------------|
| 25 | 0,19 | -1,22 | Satisfactory |
| 3 | 0,41 | -0,62 | Satisfactory |
| 19 | 0,42 | -0,59 | Satisfactory |
| 22 | 0,42 | -0,59 | Satisfactory |
| 26 | 0,43 | -0,57 | Satisfactory |
| 11 | 0,46 | -0,49 | Satisfactory |
| 13 | 0,47 | -0,46 | Satisfactory |
| 40 | 0,51 | -0,35 | Satisfactory |
| 10 | 0,53 | -0,30 | Satisfactory |
| 18 | 0,53 | -0,30 | Satisfactory |
| 24 | 0,54 | -0,27 | Satisfactory |
| 31 | 0,54 | -0,27 | Satisfactory |
| 4 | 0,57 | -0,19 | Satisfactory |
| 5 | 0,59 | -0,13 | Satisfactory |
| 6 | 0,60 | -0,11 | Satisfactory |
| 35 | 0,60 | -0,11 | Satisfactory |
| 38 | 0,60 | -0,11 | Satisfactory |
| 33 | 0,62 | -0,05 | Satisfactory |
| 17 | 0,64 | 0 | Satisfactory |
| 2 | 0,65 | 0,03 | Satisfactory |
| 32 | 0,66 | 0,05 | Satisfactory |
| 14 | 0,69 | 0,13 | Satisfactory |
| 30 | 0,70 | 0,16 | Satisfactory |
| 7 | 0,80 | 0,43 | Satisfactory |
| 28 | 0,80 | 0,43 | Satisfactory |
| 29 | 0,80 | 0,43 | Satisfactory |

| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------------|
| 9 | 0,84 | 0,54 | Satisfactory |
| 12 | 0,90 | 0,70 | Satisfactory |
| 20 | 0,92 | 0,76 | Satisfactory |
| 16 | 1,00 | 0,97 | Satisfactory |
| 42 | 1,00 | 0,97 | Satisfactory |
| 36 | 1,10 | 1,24 | Satisfactory |
| 43 | 1,16 | 1,40 | Satisfactory |
| 8 | 1,25 | 1,65 | Satisfactory |
| 41 | 1,30 | 1,78 | Satisfactory |
| 37 | 1,32 | 1,84 | Satisfactory |
| 15 | 1,67 | 2,78 | Questionable |
| 27 | P | | |

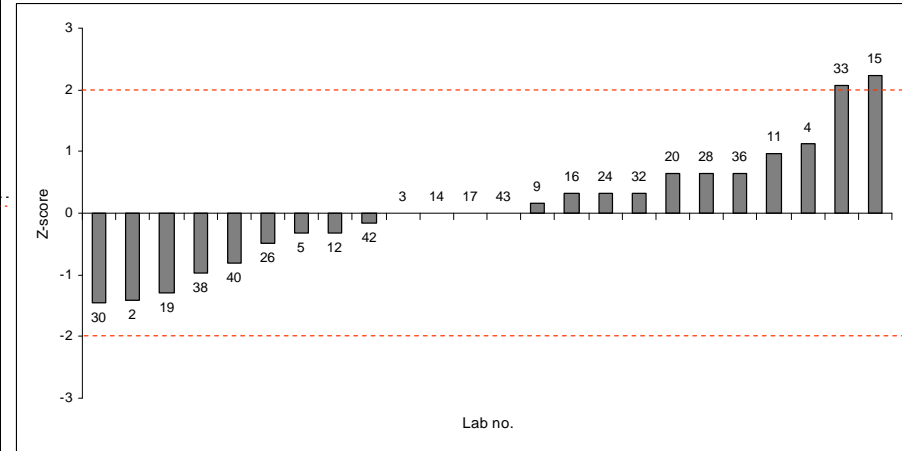
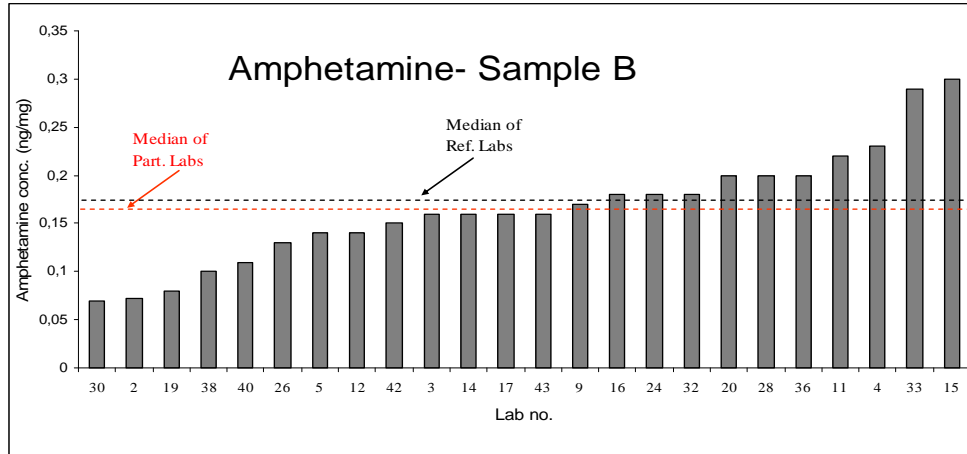
| | |
|-------------|-------|
| Average | 0,73 |
| SD | 0,31 |
| CV% | 41,98 |
| Median | 0,64 |
| Minimum | 0,19 |
| Quartile 25 | 0,53 |
| Quartile 75 | 0,9 |
| Maximum | 1,67 |
| Iqr | 0,37 |



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 35 | 0,07 | -1,49 | Satisfactory |
| 38 | 0,10 | -1,04 | Satisfactory |
| 26 | 0,11 | -0,89 | Satisfactory |
| 32 | 0,12 | -0,75 | Satisfactory |
| 3 | 0,13 | -0,60 | Satisfactory |
| 22 | 0,13 | -0,60 | Satisfactory |
| 31 | 0,13 | -0,60 | Satisfactory |
| 4 | 0,16 | -0,15 | Satisfactory |
| 6 | 0,16 | -0,15 | Satisfactory |
| 20 | 0,16 | -0,15 | Satisfactory |
| 11 | 0,17 | 0 | Satisfactory |
| 18 | 0,17 | 0 | Satisfactory |
| 24 | 0,17 | 0 | Satisfactory |
| 25 | 0,18 | 0,15 | Satisfactory |
| 42 | 0,18 | 0,15 | Satisfactory |
| 5 | 0,19 | 0,30 | Satisfactory |
| 17 | 0,19 | 0,30 | Satisfactory |
| 40 | 0,19 | 0,30 | Satisfactory |
| 41 | 0,20 | 0,454 | Satisfactory |
| 30 | 0,21 | 0,60 | Satisfactory |
| 19 | 0,23 | 0,89 | Satisfactory |
| 28 | 0,23 | 0,89 | Satisfactory |
| 9 | 0,24 | 1,04 | Satisfactory |
| 15 | 0,24 | 1,04 | Satisfactory |
| 7 | 0,40 | 3,43 | Unsatisfactory |
| 2 | P | | |

| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------|
| 21 | P | | |
| 27 | P | | |
| 39 | P | | |

| | |
|-------------|-------|
| Average | 0,18 |
| SD | 0,06 |
| CV% | 35,12 |
| Median | 0,17 |
| Minimum | 0,07 |
| Quartile 25 | 0,13 |
| Quartile 75 | 0,20 |
| Maximum | 0,40 |
| Iqr | 0,07 |

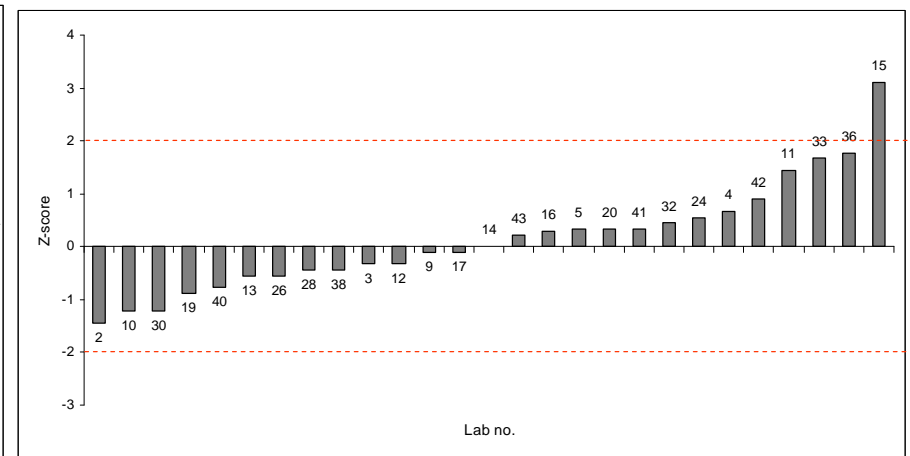
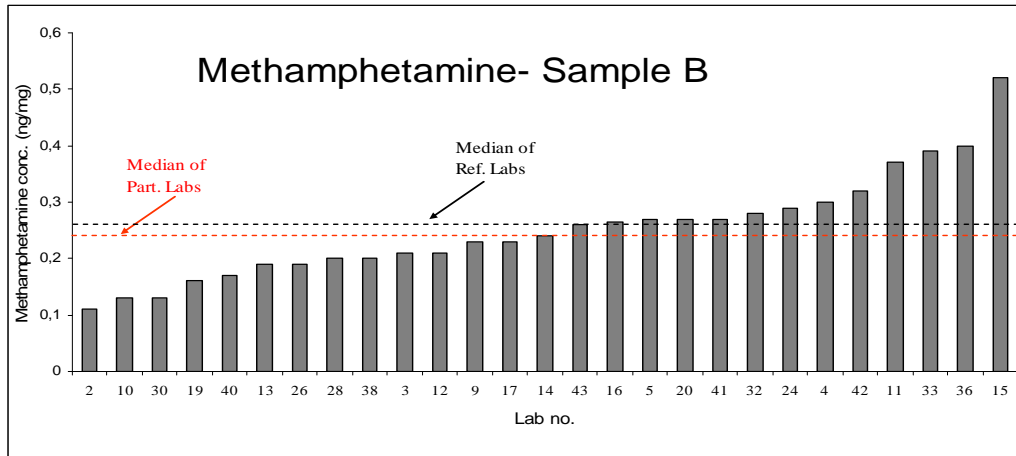


| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 30 | 0,07 | -1,44 | Satisfactory |
| 2 | 0,07 | -1,408 | Satisfactory |
| 19 | 0,08 | -1,28 | Satisfactory |
| 38 | 0,10 | -0,96 | Satisfactory |
| 40 | 0,11 | -0,8 | Satisfactory |
| 26 | 0,13 | -0,48 | Satisfactory |
| 5 | 0,14 | -0,32 | Satisfactory |
| 12 | 0,14 | -0,32 | Satisfactory |
| 42 | 0,15 | -0,16 | Satisfactory |
| 3 | 0,16 | 0 | Satisfactory |
| 14 | 0,16 | 0 | Satisfactory |
| 17 | 0,16 | 0 | Satisfactory |
| 43 | 0,16 | 0 | Satisfactory |
| 9 | 0,17 | 0,16 | Satisfactory |
| 16 | 0,18 | 0,32 | Satisfactory |
| 24 | 0,18 | 0,32 | Satisfactory |
| 32 | 0,18 | 0,32 | Satisfactory |
| 20 | 0,20 | 0,64 | Satisfactory |
| 28 | 0,20 | 0,64 | Satisfactory |
| 36 | 0,20 | 0,64 | Satisfactory |
| 11 | 0,22 | 0,96 | Satisfactory |
| 4 | 0,23 | 1,12 | Satisfactory |
| 33 | 0,29 | 2,08 | Questionable |
| 15 | 0,30 | 2,24 | Questionable |
| 7 | P | | |
| 22 | Traces | | |

| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------|
| 27 | U | | |

| | |
|-------------|--------|
| Average | 0,16 |
| SD | 0,06 |
| CV% | 34,88 |
| Median | 0,16 |
| Minimum | 0,07 |
| Quartile 25 | 0,14 |
| Quartile 75 | 0,20 |
| Maximum | 0,30 |
| Iqr | 0,0625 |

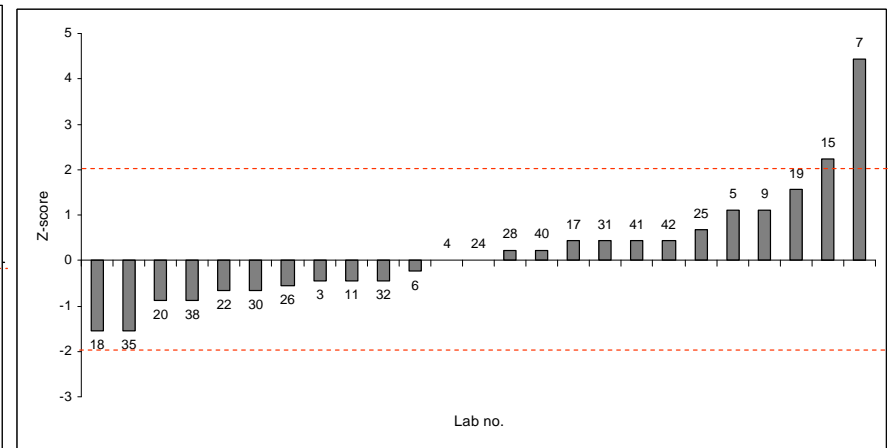
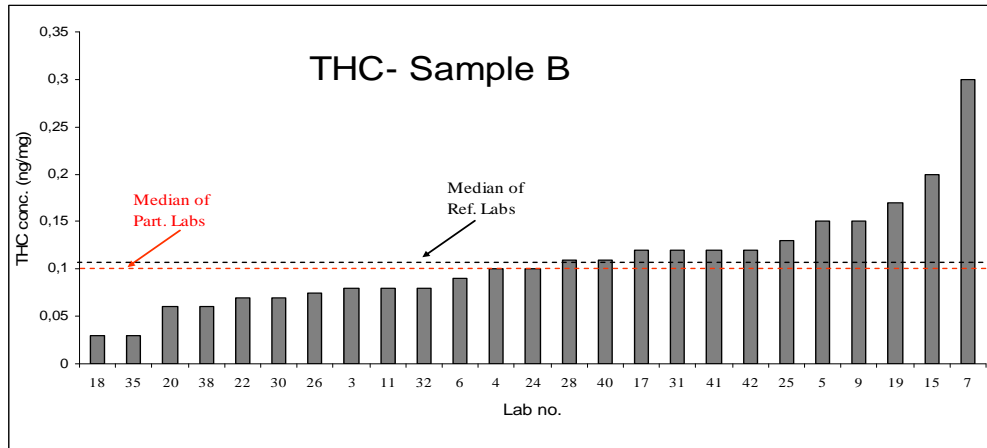
The median Amphetamine concentration is below the cut-off proposed by SoHT (0.20 ng/mg)



| Lab. | Methamphetamine (ng/mg) | Z-score | Result |
|------|-------------------------|---------|--------------|
| 2 | 0,11 | -1,44 | Satisfactory |
| 10 | 0,13 | -1,22 | Satisfactory |
| 30 | 0,13 | -1,22 | Satisfactory |
| 19 | 0,16 | -0,89 | Satisfactory |
| 40 | 0,17 | -0,78 | Satisfactory |
| 13 | 0,19 | -0,56 | Satisfactory |
| 26 | 0,19 | -0,56 | Satisfactory |
| 28 | 0,20 | -0,44 | Satisfactory |
| 38 | 0,20 | -0,44 | Satisfactory |
| 3 | 0,21 | -0,33 | Satisfactory |
| 12 | 0,21 | -0,33 | Satisfactory |
| 9 | 0,23 | -0,11 | Satisfactory |
| 17 | 0,23 | -0,11 | Satisfactory |
| 14 | 0,24 | 0 | Satisfactory |
| 43 | 0,26 | 0,22 | Satisfactory |
| 16 | 0,26 | 0,28 | Satisfactory |
| 5 | 0,27 | 0,33 | Satisfactory |
| 20 | 0,27 | 0,33 | Satisfactory |
| 41 | 0,27 | 0,33 | Satisfactory |
| 32 | 0,28 | 0,44 | Satisfactory |
| 24 | 0,29 | 0,56 | Satisfactory |
| 4 | 0,30 | 0,67 | Satisfactory |
| 42 | 0,32 | 0,89 | Satisfactory |
| 11 | 0,37 | 1,44 | Satisfactory |
| 33 | 0,39 | 1,67 | Satisfactory |
| 36 | 0,40 | 1,78 | Satisfactory |

| Lab. | Methamphetamine (ng/mg) | Z-score | Result |
|------|-------------------------|---------|----------------|
| 15 | 0,52 | 3,11 | Unsatisfactory |
| 22 | Traces | | |
| 34 | P | | |
| 27 | U | | |

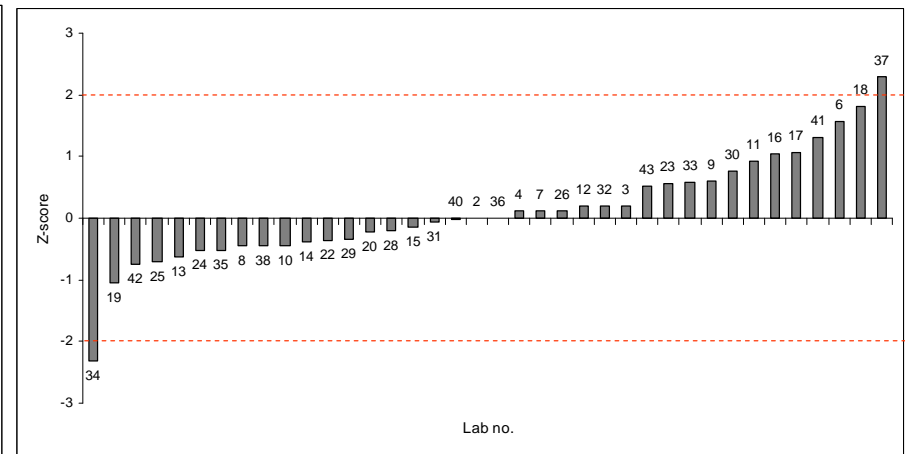
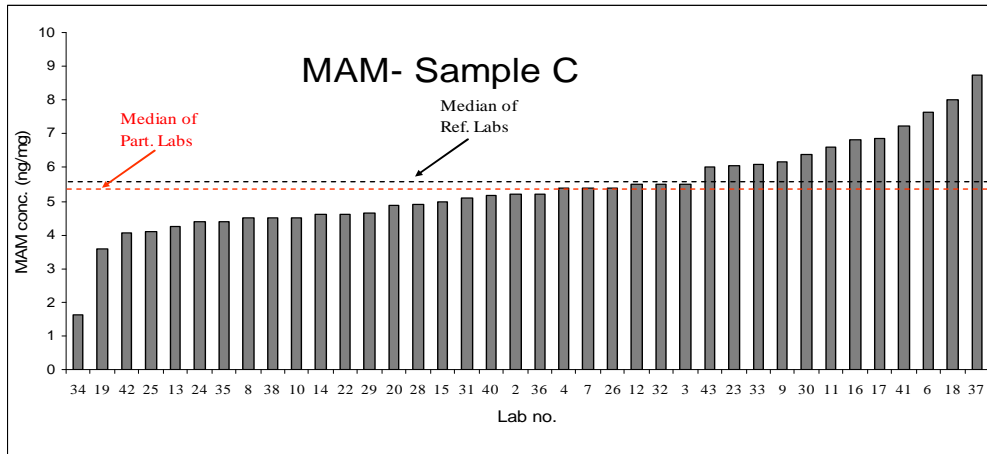
| | |
|-------------|-------|
| Average | 0,25 |
| SD | 0,09 |
| CV% | 35,81 |
| Median | 0,24 |
| Minimum | 0,11 |
| Quartile 25 | 0,195 |
| Quartile 75 | 0,285 |
| Maximum | 0,52 |
| Iqr | 0,09 |



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 18 | 0,03 | -1,56 | Satisfactory |
| 35 | 0,03 | -1,56 | Satisfactory |
| 20 | 0,06 | -0,89 | Satisfactory |
| 38 | 0,06 | -0,89 | Satisfactory |
| 22 | 0,07 | -0,67 | Satisfactory |
| 30 | 0,07 | -0,67 | Satisfactory |
| 26 | 0,075 | -0,56 | Satisfactory |
| 3 | 0,08 | -0,44 | Satisfactory |
| 11 | 0,08 | -0,44 | Satisfactory |
| 32 | 0,08 | -0,44 | Satisfactory |
| 6 | 0,09 | -0,22 | Satisfactory |
| 4 | 0,10 | 0 | Satisfactory |
| 24 | 0,10 | 0 | Satisfactory |
| 28 | 0,11 | 0,22 | Satisfactory |
| 40 | 0,11 | 0,22 | Satisfactory |
| 17 | 0,12 | 0,44 | Satisfactory |
| 31 | 0,12 | 0,44 | Satisfactory |
| 41 | 0,12 | 0,44 | Satisfactory |
| 42 | 0,12 | 0,44 | Satisfactory |
| 25 | 0,13 | 0,67 | Satisfactory |
| 5 | 0,15 | 1,11 | Satisfactory |
| 9 | 0,15 | 1,11 | Satisfactory |
| 19 | 0,17 | 1,56 | Satisfactory |
| 15 | 0,20 | 2,22 | Questionable |
| 7 | 0,30 | 4,44 | Unsatisfactory |
| 21 | P | | |

| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------|
| 39 | P | | |
| 27 | U | | |

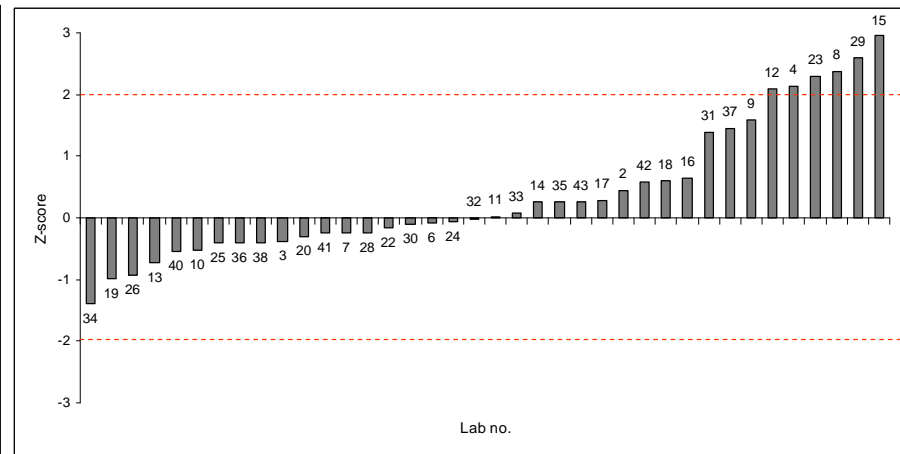
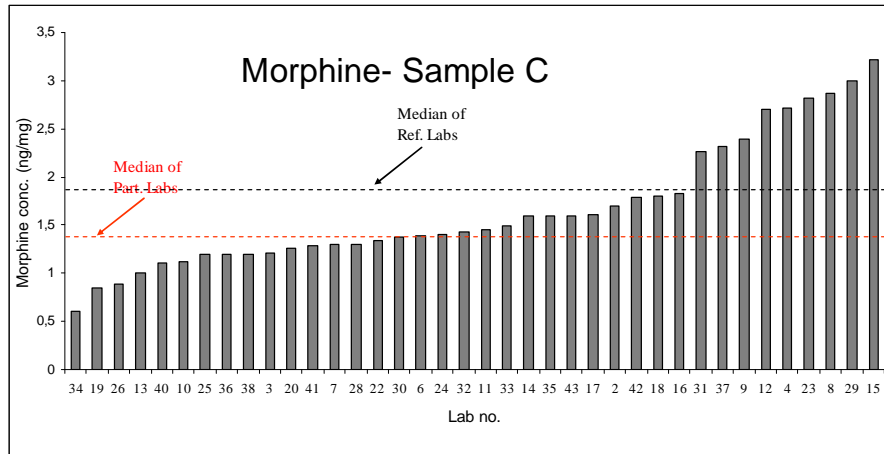
| | |
|-------------|-------|
| Average | 0,109 |
| SD | 0,056 |
| CV% | 51,01 |
| Median | 0,10 |
| Minimum | 0,03 |
| Quartile 25 | 0,075 |
| Quartile 75 | 0,12 |
| Maximum | 0,3 |
| Iqr | 0,045 |



| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 34 | 1,63 | -2,31 | Questionable |
| 19 | 3,58 | -1,05 | Satisfactory |
| 42 | 4,06 | -0,74 | Satisfactory |
| 25 | 4,10 | -0,71 | Satisfactory |
| 13 | 4,23 | -0,63 | Satisfactory |
| 24 | 4,40 | -0,52 | Satisfactory |
| 35 | 4,40 | -0,52 | Satisfactory |
| 8 | 4,50 | -0,45 | Satisfactory |
| 38 | 4,50 | -0,45 | Satisfactory |
| 10 | 4,51 | -0,45 | Satisfactory |
| 14 | 4,61 | -0,38 | Satisfactory |
| 22 | 4,63 | -0,37 | Satisfactory |
| 29 | 4,66 | -0,35 | Satisfactory |
| 20 | 4,87 | -0,21 | Satisfactory |
| 28 | 4,90 | -0,19 | Satisfactory |
| 15 | 4,97 | -0,15 | Satisfactory |
| 31 | 5,11 | -0,06 | Satisfactory |
| 40 | 5,18 | -0,01 | Satisfactory |
| 2 | 5,20 | 0 | Satisfactory |
| 36 | 5,20 | 0 | Satisfactory |
| 4 | 5,39 | 0,12 | Satisfactory |
| 7 | 5,40 | 0,13 | Satisfactory |
| 26 | 5,40 | 0,13 | Satisfactory |
| 12 | 5,50 | 0,19 | Satisfactory |
| 32 | 5,50 | 0,19 | Satisfactory |
| 3 | 5,51 | 0,20 | Satisfactory |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 43 | 6,00 | 0,52 | Satisfactory |
| 23 | 6,06 | 0,55 | Satisfactory |
| 33 | 6,09 | 0,57 | Satisfactory |
| 9 | 6,15 | 0,61 | Satisfactory |
| 30 | 6,38 | 0,76 | Satisfactory |
| 11 | 6,62 | 0,92 | Satisfactory |
| 16 | 6,83 | 1,05 | Satisfactory |
| 17 | 6,85 | 1,07 | Satisfactory |
| 41 | 7,22 | 1,30 | Satisfactory |
| 6 | 7,62 | 1,56 | Satisfactory |
| 18 | 8,00 | 1,81 | Satisfactory |
| 37 | 8,76 | 2,30 | Questionable |
| 21 | P | | |
| 27 | P | | |

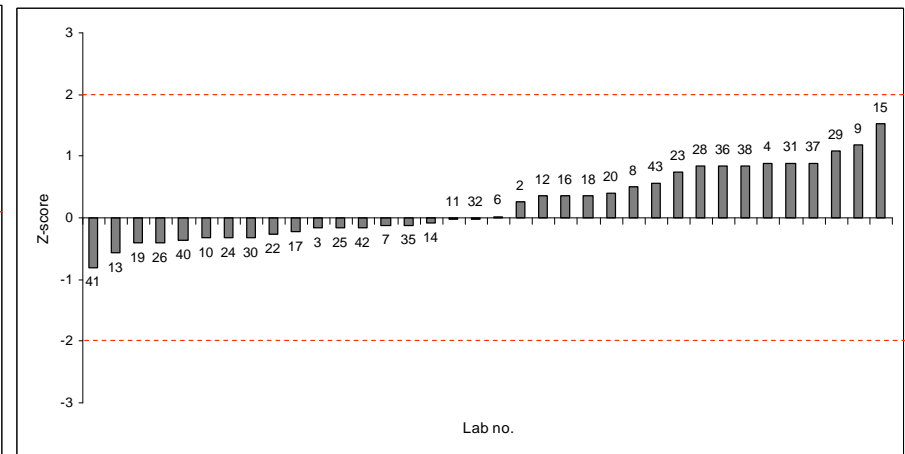
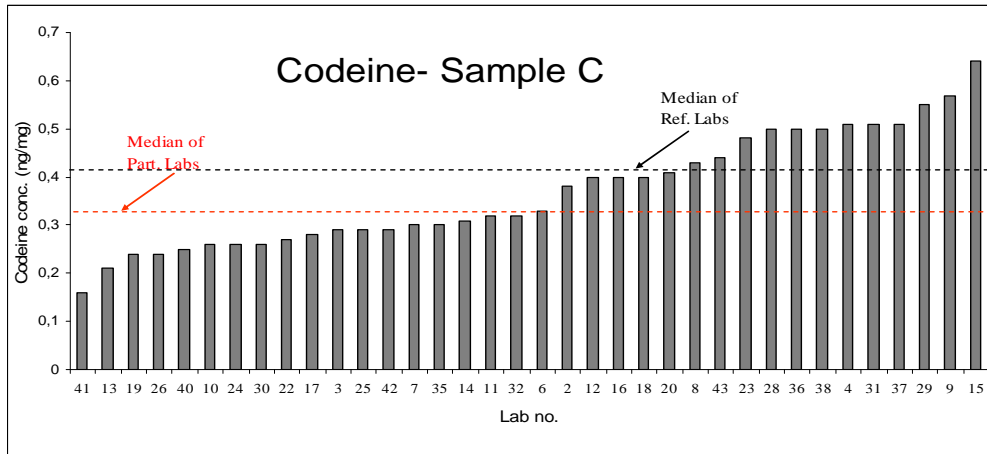
| | |
|-------------|-------|
| Average | 5,38 |
| SD | 1,30 |
| CV% | 24,15 |
| Median | 5,20 |
| Minimum | 1,63 |
| Quartile 25 | 4,535 |
| Quartile 75 | 6,08 |
| Maximum | 8,76 |
| Iqr | 1,547 |



| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 34 | 0,61 | -1,38 | Satisfactory |
| 19 | 0,85 | -0,98 | Satisfactory |
| 26 | 0,89 | -0,92 | Satisfactory |
| 13 | 1,00 | -0,73 | Satisfactory |
| 40 | 1,11 | -0,55 | Satisfactory |
| 10 | 1,12 | -0,53 | Satisfactory |
| 25 | 1,20 | -0,4 | Satisfactory |
| 36 | 1,20 | -0,4 | Satisfactory |
| 38 | 1,20 | -0,4 | Satisfactory |
| 3 | 1,21 | -0,38 | Satisfactory |
| 20 | 1,26 | -0,3 | Satisfactory |
| 41 | 1,29 | -0,25 | Satisfactory |
| 7 | 1,30 | -0,23 | Satisfactory |
| 28 | 1,30 | -0,23 | Satisfactory |
| 22 | 1,34 | -0,17 | Satisfactory |
| 30 | 1,38 | -0,1 | Satisfactory |
| 6 | 1,39 | -0,08 | Satisfactory |
| 24 | 1,40 | -0,07 | Satisfactory |
| 32 | 1,43 | -0,02 | Satisfactory |
| 11 | 1,45 | 0,02 | Satisfactory |
| 33 | 1,49 | 0,08 | Satisfactory |
| 14 | 1,60 | 0,27 | Satisfactory |
| 35 | 1,60 | 0,27 | Satisfactory |
| 43 | 1,60 | 0,27 | Satisfactory |
| 17 | 1,61 | 0,28 | Satisfactory |
| 2 | 1,70 | 0,43 | Satisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 42 | 1,79 | 0,58 | Satisfactory |
| 18 | 1,80 | 0,6 | Satisfactory |
| 16 | 1,83 | 0,65 | Satisfactory |
| 31 | 2,27 | 1,38 | Satisfactory |
| 37 | 2,31 | 1,45 | Satisfactory |
| 9 | 2,39 | 1,58 | Satisfactory |
| 12 | 2,70 | 2,1 | Questionable |
| 4 | 2,72 | 2,13 | Questionable |
| 23 | 2,82 | 2,3 | Questionable |
| 8 | 2,87 | 2,38 | Questionable |
| 29 | 3,00 | 2,6 | Questionable |
| 15 | 3,22 | 2,97 | Questionable |
| 27 | P | | |

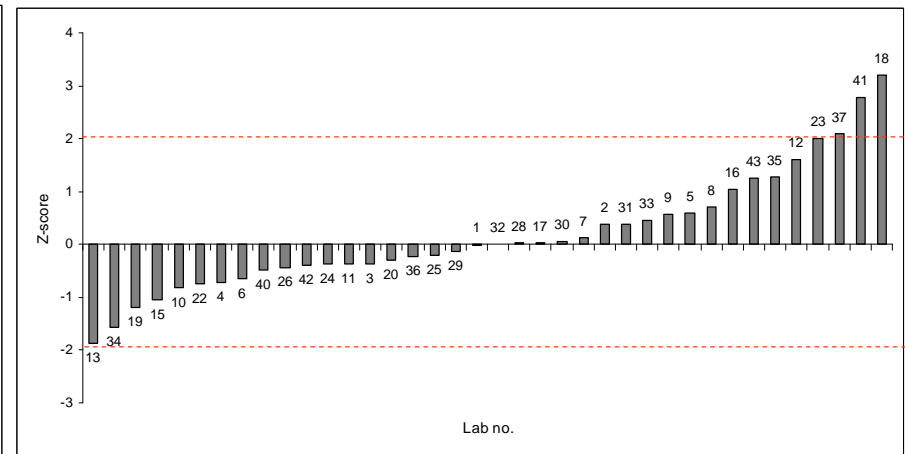
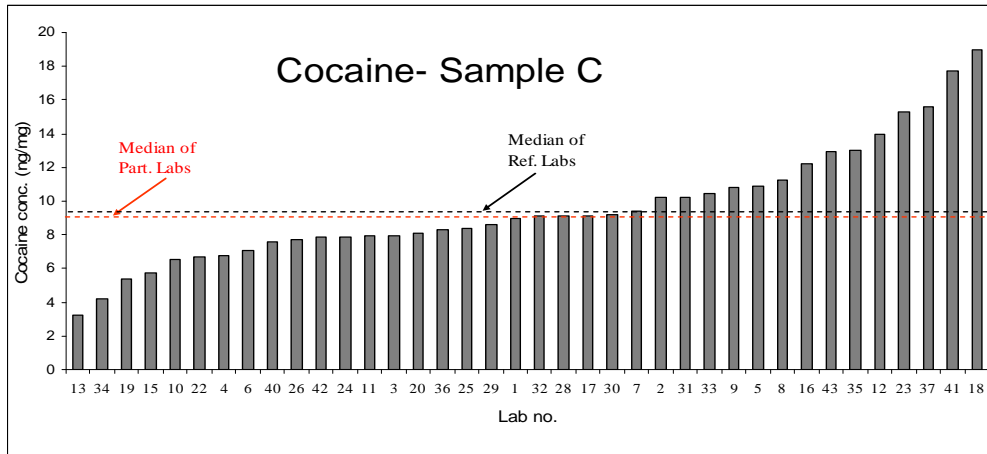
| | |
|-------------|-------|
| Average | 1,66 |
| SD | 0,65 |
| CV% | 38,83 |
| Median | 1,44 |
| Minimum | 0,61 |
| Quartile 25 | 1,22 |
| Quartile 75 | 1,82 |
| Maximum | 3,22 |
| Iqr | 0,6 |



| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 41 | 0,16 | -0,80 | Satisfactory |
| 13 | 0,21 | -0,56 | Satisfactory |
| 19 | 0,24 | -0,41 | Satisfactory |
| 26 | 0,24 | -0,41 | Satisfactory |
| 40 | 0,25 | -0,36 | Satisfactory |
| 10 | 0,26 | -0,31 | Satisfactory |
| 24 | 0,26 | -0,31 | Satisfactory |
| 30 | 0,26 | -0,31 | Satisfactory |
| 22 | 0,27 | -0,26 | Satisfactory |
| 17 | 0,28 | -0,22 | Satisfactory |
| 3 | 0,29 | -0,17 | Satisfactory |
| 25 | 0,29 | -0,17 | Satisfactory |
| 42 | 0,29 | -0,17 | Satisfactory |
| 7 | 0,30 | -0,12 | Satisfactory |
| 35 | 0,30 | -0,12 | Satisfactory |
| 14 | 0,31 | -0,07 | Satisfactory |
| 11 | 0,32 | -0,02 | Satisfactory |
| 32 | 0,32 | -0,02 | Satisfactory |
| 6 | 0,33 | 0,02 | Satisfactory |
| 2 | 0,38 | 0,26 | Satisfactory |
| 12 | 0,40 | 0,36 | Satisfactory |
| 16 | 0,40 | 0,36 | Satisfactory |
| 18 | 0,40 | 0,36 | Satisfactory |
| 20 | 0,41 | 0,41 | Satisfactory |
| 8 | 0,43 | 0,51 | Satisfactory |
| 43 | 0,44 | 0,56 | Satisfactory |

| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 23 | 0,48 | 0,75 | Satisfactory |
| 28 | 0,50 | 0,84 | Satisfactory |
| 36 | 0,50 | 0,84 | Satisfactory |
| 38 | 0,5 | 0,84 | Satisfactory |
| 4 | 0,51 | 0,89 | Satisfactory |
| 31 | 0,51 | 0,89 | Satisfactory |
| 37 | 0,51 | 0,89 | Satisfactory |
| 29 | 0,55 | 1,09 | Satisfactory |
| 9 | 0,57 | 1,18 | Satisfactory |
| 15 | 0,64 | 1,52 | Satisfactory |
| 27 | P | | |

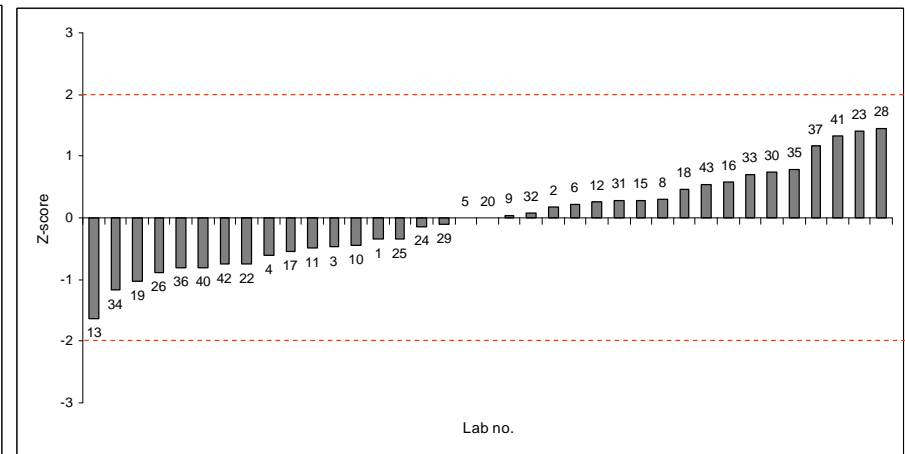
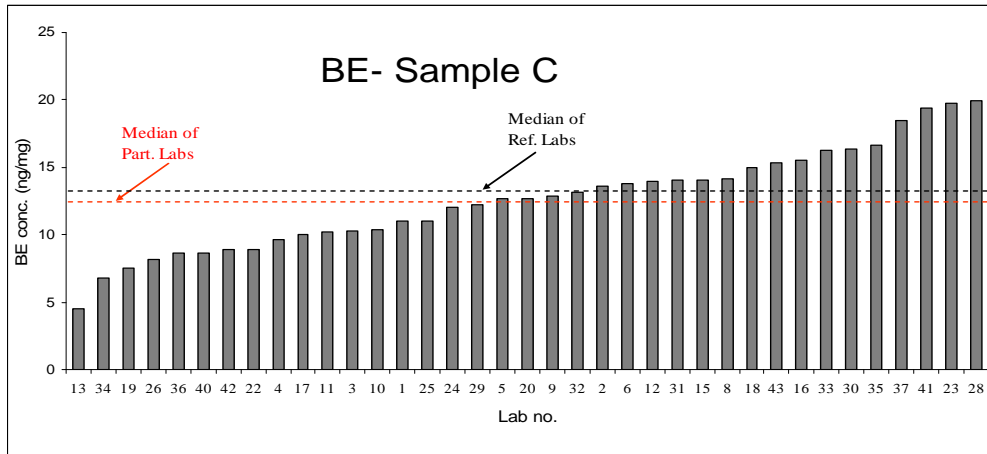
| | |
|-------------|--------|
| Average | 0,37 |
| SD | 0,12 |
| CV% | 31,60 |
| Median | 0,325 |
| Minimum | 0,16 |
| Quartile 25 | 0,2775 |
| Quartile 75 | 0,485 |
| Maximum | 0,64 |
| Iqr | 0,207 |



| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 13 | 3,20 | -1,88 | Satisfactory |
| 34 | 4,20 | -1,56 | Satisfactory |
| 19 | 5,35 | -1,19 | Satisfactory |
| 15 | 5,75 | -1,06 | Satisfactory |
| 10 | 6,52 | -0,81 | Satisfactory |
| 22 | 6,72 | -0,74 | Satisfactory |
| 4 | 6,79 | -0,72 | Satisfactory |
| 6 | 7,04 | -0,64 | Satisfactory |
| 40 | 7,55 | -0,48 | Satisfactory |
| 26 | 7,70 | -0,43 | Satisfactory |
| 42 | 7,84 | -0,38 | Satisfactory |
| 24 | 7,90 | -0,37 | Satisfactory |
| 11 | 7,91 | -0,36 | Satisfactory |
| 3 | 7,92 | -0,36 | Satisfactory |
| 20 | 8,11 | -0,30 | Satisfactory |
| 36 | 8,30 | -0,24 | Satisfactory |
| 25 | 8,40 | -0,20 | Satisfactory |
| 29 | 8,59 | -0,14 | Satisfactory |
| 1 | 9,00 | -0,01 | Satisfactory |
| 32 | 9,09 | 0,02 | Satisfactory |
| 28 | 9,10 | 0,02 | Satisfactory |
| 17 | 9,13 | 0,03 | Satisfactory |
| 30 | 9,21 | 0,05 | Satisfactory |
| 7 | 9,40 | 0,16 | Satisfactory |
| 2 | 10,20 | 0,37 | Satisfactory |
| 31 | 10,23 | 0,38 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|----------------|
| 33 | 10,46 | 0,46 | Satisfactory |
| 9 | 10,80 | 0,56 | Satisfactory |
| 5 | 10,86 | 0,58 | Satisfactory |
| 8 | 11,27 | 0,72 | Satisfactory |
| 16 | 12,24 | 1,03 | Satisfactory |
| 43 | 12,96 | 1,26 | Satisfactory |
| 35 | 13,00 | 1,27 | Satisfactory |
| 12 | 14,00 | 1,59 | Satisfactory |
| 23 | 15,27 | 2,00 | Questionable |
| 37 | 15,59 | 2,11 | Questionable |
| 41 | 17,69 | 2,78 | Questionable |
| 18 | 19,00 | 3,20 | Unsatisfactory |
| 38 | >5 | | |
| 21 | P | | |
| 27 | P | | |
| 39 | P | | |

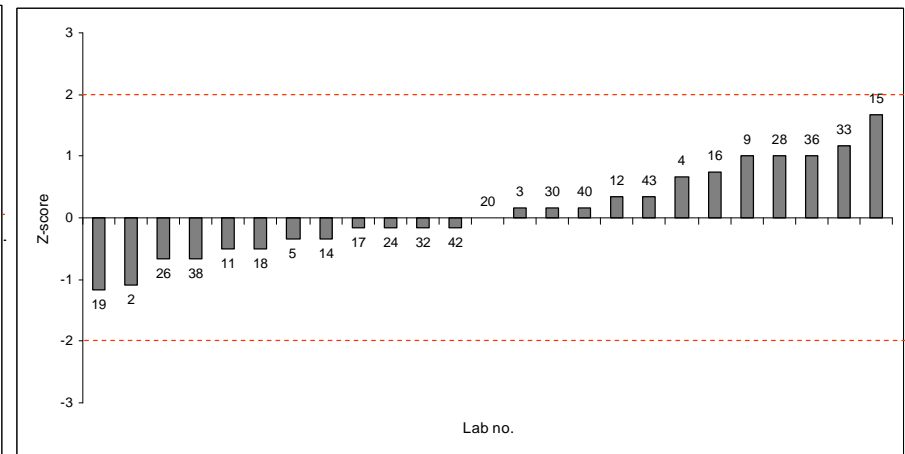
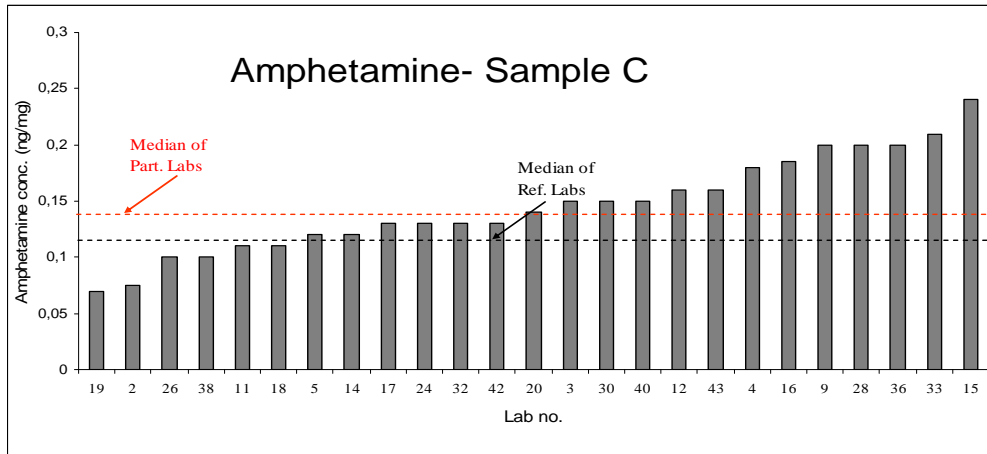
| | |
|-------------|--------|
| Average | 9,59 |
| SD | 3,40 |
| CV% | 35,52 |
| Median | 9,045 |
| Minimum | 3,2 |
| Quartile 25 | 7,735 |
| Quartile 75 | 10,845 |
| Maximum | 19 |
| Iqr | 3,11 |



| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 13 | 4,53 | -1,63 | Satisfactory |
| 34 | 6,81 | -1,17 | Satisfactory |
| 19 | 7,55 | -1,02 | Satisfactory |
| 26 | 8,20 | -0,89 | Satisfactory |
| 36 | 8,6 | -0,81 | Satisfactory |
| 40 | 8,65 | -0,80 | Satisfactory |
| 42 | 8,92 | -0,75 | Satisfactory |
| 22 | 8,94 | -0,75 | Satisfactory |
| 4 | 9,63 | -0,61 | Satisfactory |
| 17 | 10,00 | -0,53 | Satisfactory |
| 11 | 10,22 | -0,49 | Satisfactory |
| 3 | 10,34 | -0,47 | Satisfactory |
| 10 | 10,43 | -0,45 | Satisfactory |
| 1 | 11,00 | -0,33 | Satisfactory |
| 25 | 11,00 | -0,33 | Satisfactory |
| 24 | 12,00 | -0,13 | Satisfactory |
| 29 | 12,18 | -0,10 | Satisfactory |
| 5 | 12,65 | -0,004 | Satisfactory |
| 20 | 12,67 | 0 | Satisfactory |
| 9 | 12,90 | 0,05 | Satisfactory |
| 32 | 13,10 | 0,09 | Satisfactory |
| 2 | 13,60 | 0,19 | Satisfactory |
| 6 | 13,80 | 0,23 | Satisfactory |
| 12 | 14,00 | 0,23 | Satisfactory |
| 31 | 14,06 | 0,28 | Satisfactory |
| 15 | 14,07 | 0,28 | Satisfactory |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 8 | 14,17 | 0,30 | Satisfactory |
| 18 | 15 | 0,47 | Satisfactory |
| 43 | 15,36 | 0,54 | Satisfactory |
| 16 | 15,56 | 0,58 | Satisfactory |
| 33 | 16,24 | 0,71 | Satisfactory |
| 30 | 16,4 | 0,75 | Satisfactory |
| 35 | 16,62 | 0,79 | Satisfactory |
| 37 | 18,5 | 1,17 | Satisfactory |
| 41 | 19,35 | 1,34 | Satisfactory |
| 23 | 19,74 | 1,41 | Satisfactory |
| 28 | 19,9 | 1,45 | Satisfactory |
| 38 | >5 | | |
| 7 | P | | |
| 27 | P | | |
| 39 | P | | |

| | |
|-------------|-------|
| Average | 12,61 |
| SD | 3,68 |
| CV% | 29,17 |
| Median | 12,67 |
| Minimum | 4,53 |
| Quartile 25 | 10,00 |
| Quartile 75 | 15,00 |
| Maximum | 19,90 |
| Iqr | 5 |

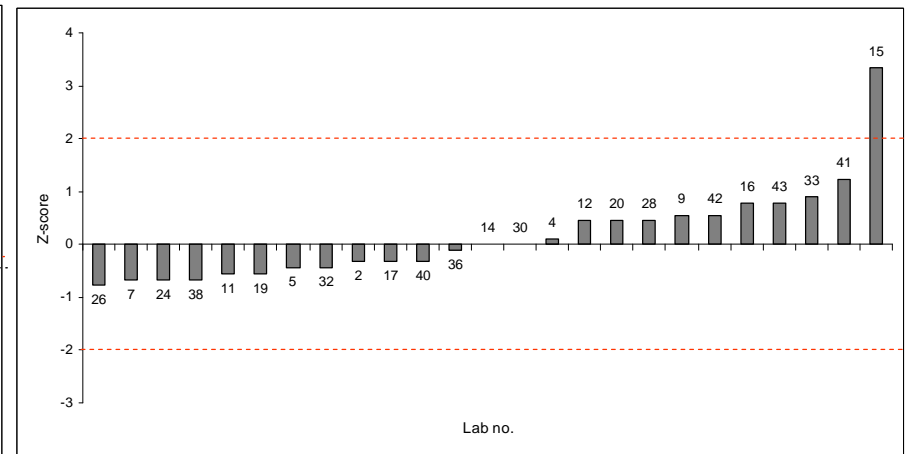
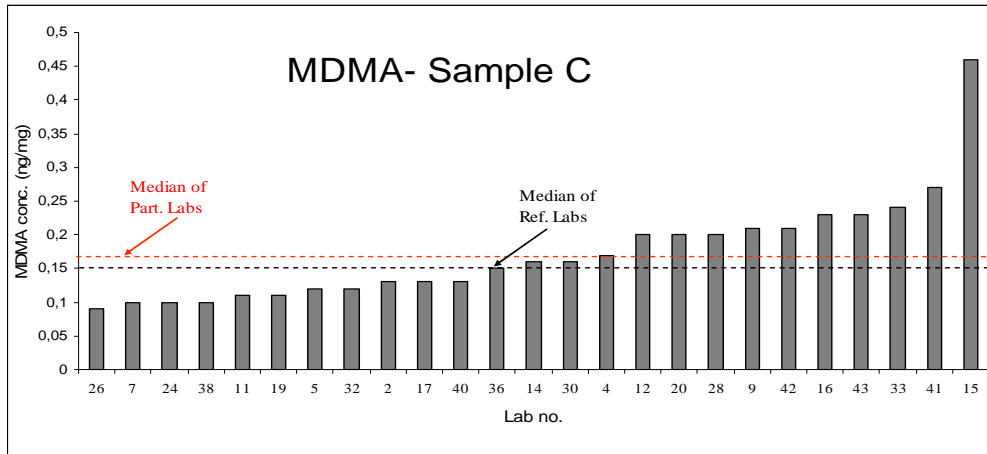


| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 19 | 0,07 | -1,17 | Satisfactory |
| 2 | 0,075 | -1,08 | Satisfactory |
| 26 | 0,10 | -0,67 | Satisfactory |
| 38 | 0,10 | -0,67 | Satisfactory |
| 11 | 0,11 | -0,5 | Satisfactory |
| 18 | 0,11 | -0,5 | Satisfactory |
| 5 | 0,12 | -0,33 | Satisfactory |
| 14 | 0,12 | -0,33 | Satisfactory |
| 17 | 0,13 | -0,17 | Satisfactory |
| 24 | 0,13 | -0,17 | Satisfactory |
| 32 | 0,13 | -0,17 | Satisfactory |
| 42 | 0,13 | -0,17 | Satisfactory |
| 20 | 0,14 | 0 | Satisfactory |
| 3 | 0,15 | 0,17 | Satisfactory |
| 30 | 0,15 | 0,17 | Satisfactory |
| 40 | 0,15 | 0,17 | Satisfactory |
| 12 | 0,16 | 0,33 | Satisfactory |
| 43 | 0,16 | 0,33 | Satisfactory |
| 4 | 0,18 | 0,67 | Satisfactory |
| 16 | 0,185 | 0,75 | Satisfactory |
| 9 | 0,20 | 1 | Satisfactory |
| 28 | 0,20 | 1 | Satisfactory |
| 36 | 0,20 | 1 | Satisfactory |
| 33 | 0,21 | 1, | Satisfactory |
| 15 | 0,24 | 1,67 | Satisfactory |
| 22 | <0.20 | | |

| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------|
| 7 | P | | |
| 21 | P | | |
| 27 | U | | |

| | |
|-------------|-------|
| Average | 0,146 |
| SD | 0,04 |
| CV% | 29,01 |
| Median | 0,14 |
| Minimum | 0,07 |
| Quartile 25 | 0,12 |
| Quartile 75 | 0,18 |
| Maximum | 0,24 |
| Iqr | 0,06 |

The median Amphetamine concentration is below the cut-off proposed by SoHT (0.20 ng/mg)

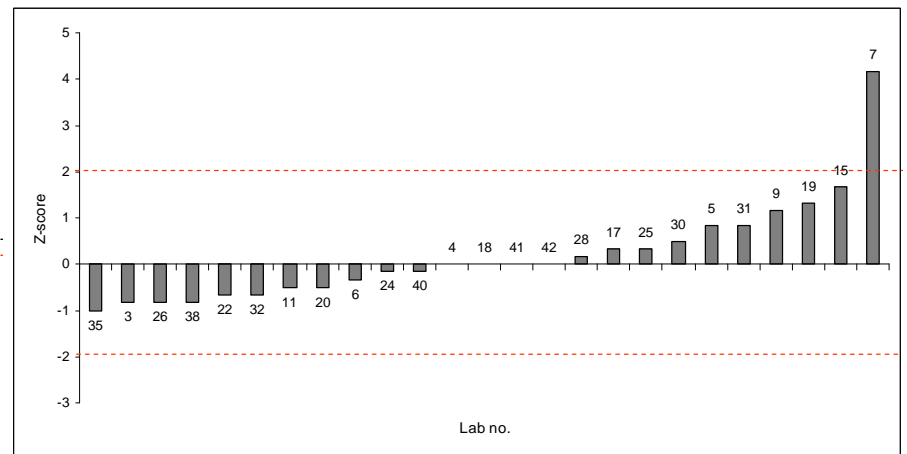
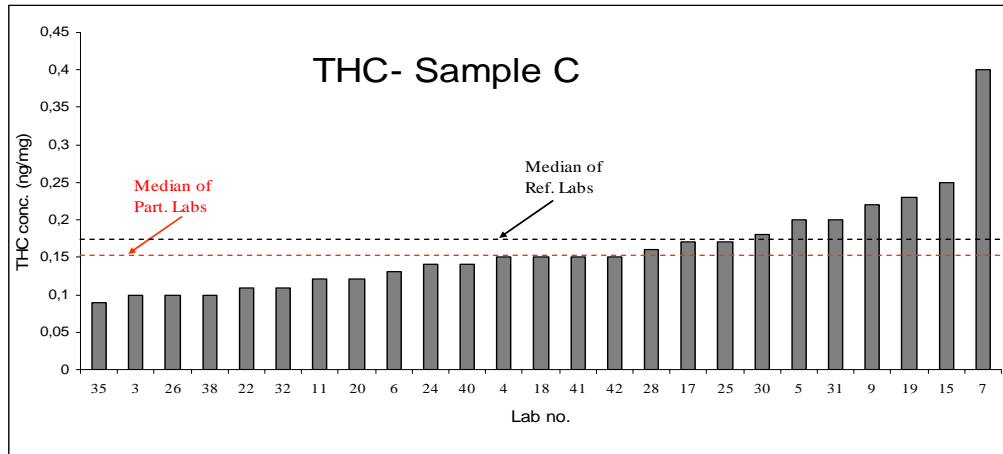


| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|----------------|
| 26 | 0,09 | -0,78 | Satisfactory |
| 7 | 0,10 | -0,67 | Satisfactory |
| 24 | 0,10 | -0,67 | Satisfactory |
| 38 | 0,10 | -0,67 | Satisfactory |
| 11 | 0,11 | -0,56 | Satisfactory |
| 19 | 0,11 | -0,56 | Satisfactory |
| 5 | 0,12 | -0,44 | Satisfactory |
| 32 | 0,12 | -0,44 | Satisfactory |
| 2 | 0,13 | -0,33 | Satisfactory |
| 17 | 0,13 | -0,33 | Satisfactory |
| 40 | 0,13 | -0,33 | Satisfactory |
| 36 | 0,15 | -0,11 | Satisfactory |
| 14 | 0,16 | 0 | Satisfactory |
| 30 | 0,16 | 0 | Satisfactory |
| 4 | 0,17 | 0,11 | Satisfactory |
| 12 | 0,20 | 0,44 | Satisfactory |
| 20 | 0,20 | 0,44 | Satisfactory |
| 28 | 0,20 | 0,44 | Satisfactory |
| 9 | 0,21 | 0,56 | Satisfactory |
| 42 | 0,21 | 0,56 | Satisfactory |
| 16 | 0,23 | 0,78 | Satisfactory |
| 43 | 0,23 | 0,78 | Satisfactory |
| 33 | 0,24 | 0,89 | Satisfactory |
| 41 | 0,27 | 1,22 | Satisfactory |
| 15 | 0,46 | 3,33 | Unsatisfactory |
| 22 | <0.20 | | |

| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------|
| 27 | U | | |

| | |
|-------------|-------|
| Average | 0,17 |
| SD | 0,08 |
| CV% | 44,80 |
| Median | 0,16 |
| Minimum | 0,09 |
| Quartile 25 | 0,12 |
| Quartile 75 | 0,21 |
| Maximum | 0,46 |
| Iqr | 0,09 |

The median MDMA concentration is below the cut-off proposed by SoHT (0.20 ng/mg)



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 35 | 0,09 | -1 | Satisfactory |
| 3 | 0,10 | -0,83 | Satisfactory |
| 26 | 0,10 | -0,83 | Satisfactory |
| 38 | 0,10 | -0,83 | Satisfactory |
| 22 | 0,11 | -0,67 | Satisfactory |
| 32 | 0,11 | -0,67 | Satisfactory |
| 11 | 0,12 | -0,5 | Satisfactory |
| 20 | 0,12 | -0,5 | Satisfactory |
| 6 | 0,13 | -0,33 | Satisfactory |
| 24 | 0,14 | -0,17 | Satisfactory |
| 40 | 0,14 | -0,17 | Satisfactory |
| 4 | 0,15 | 0 | Satisfactory |
| 18 | 0,15 | 0 | Satisfactory |
| 41 | 0,15 | 0 | Satisfactory |
| 42 | 0,15 | 0 | Satisfactory |
| 28 | 0,16 | 0,17 | Satisfactory |
| 17 | 0,17 | 0,33 | Satisfactory |
| 25 | 0,17 | 0,33 | Satisfactory |
| 30 | 0,18 | 0,5 | Satisfactory |
| 5 | 0,20 | 0,83 | Satisfactory |
| 31 | 0,20 | 0,83 | Satisfactory |
| 9 | 0,22 | 1,17 | Satisfactory |
| 19 | 0,23 | 1,33 | Satisfactory |
| 15 | 0,25 | 1,67 | Satisfactory |
| 7 | 0,40 | 4,17 | Unsatisfactory |
| 37 | <0.10 | | |

| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------|
| 2 | P | | |
| 21 | P | | |
| 27 | P | | |
| 39 | P | | |

| | |
|-------------|-------|
| Average | 0,16 |
| SD | 0,06 |
| CV% | 39,90 |
| Median | 0,15 |
| Minimum | 0,09 |
| Quartile 25 | 0,12 |
| Quartile 75 | 0,18 |
| Maximum | 0,40 |
| Iqr | 0,06 |