Pb SR16122 11-18-87

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Element File: PB_CLP
Date: 11/18/87
Data Storage File: Pb_data
Technique: HGA

Element: Pb
Time: 19:31
ID/Weight File:
Calibration Type: Linear

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Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L ): -0.3 <3 Cont. Cal. Blk. (0)

Mean Conc (ug/L ): -0.1 SD: 0.17 RSD(%): 116.9

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Peak Area (A-s): 0.109 Peak Height (A): 0.232
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L ): 21.5 107 349 1/5

Mean Conc (ug/L ): 21.3 SD: 0.22 RSD(%): 1.0

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Peak Area (A-s): 0.117 Peak Height (A): 0.229
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.110
Concentration (ug/L ): 23.3

116 351 1/5

Mean Conc (ug/L ): 23.1 SD: 0.16 RSD(%): 0.7

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~~~

Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L ): -0.4

Peak Area (A-s): 0.006 Peak Height (A): 0.011
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L ): -0.1 <3 Cont. Cal. Blk. (0)

Mean Conc (ug/L ): -0.2 SD: 0.20 RSD(%): 93.2

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~~~

Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L ): 15.9

Peak Area (A-s): 0.081 Peak Height (A): 0.170
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L ): 15.8 → 79

354 1/5

Mean Conc (ug/L ): 15.8 SD: 0.08 RSD(%): 0.5

~~~
~~~

Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L ): 14.7

Peak Area (A-s): 0.079 Peak Height (A): 0.168
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L ): 15.3 75

355B 1/5

Mean Conc (ug/L ): 15.0 SD: 0.43 RSD(%): 2.8

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SE SR16122 11-16-87

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.020 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.032 | 0.013 | 0.018 |

READ: 0.007

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.025 | 0.012 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.030 | 0.004 | 0.026 |

READ: -0.002

---

MEAN= 0.003 STD.DEV.= COEF.VAR.= 99.99 %

**********

0.000 AUTOZERO

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.191 | 0.142 | 0.051 |
| PEAK AREA (ABS-SECONDS) | 0.091 | 0.057 | 0.034 |

READ: 0.049

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.188 | 0.142 | 0.051 |
| PEAK AREA (ABS-SECONDS) | 0.090 | 0.053 | 0.036 |

READ: 0.045

---

MEAN= 0.047 STD.DEV.= COEF.VAR.= 6.12 %

**********

20.0 STANDARD 1

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.276 | 0.216 | 0.068 |
| PEAK AREA (ABS-SECONDS) | 0.134 | 0.088 | 0.046 |

READ: 34.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.295 | 0.232 | 0.063 |
| PEAK AREA (ABS-SECONDS) | 0.136 | 0.096 | 0.040 |

READ: 37.7

---

MEAN= 35.9 STD.DEV.= COEF.VAR.= 7.04 %

**********

35.9

E-50: READING GREATER THAN HIGHEST STANDARD

**********

**********
SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.394 | 0.310 | 0.085 |
| PEAK AREA (ABS-SECONDS) | 0.182 | 0.129 | 0.053 |

READ: 49.0

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.386 | 0.302 | 0.087 |
| PEAK AREA (ABS-SECONDS) | 0.177 | 0.125 | 0.053 |

READ: 47.5

---

MEAN= 48.3 STD.DEV.= COEF.VAR.= 2.07 %
**********

SE (CONTINUED)
48.3
E-50: READING GREATER THAN HIGHEST STANDARD
**********
49.9 STANDARD 3
**********
SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.012 | 0.019 |
| PEAK AREA (ABS-SECONDS) | 0.024 | 0.000 | 0.024 |

READ: -3.6

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.027 | 0.014 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.030 | 0.010 | 0.020 |

READ: 0.5 <3 Cont. Cal. Blk. (0)

---

MEAN= -1.6 STD.DEV.= COEF.VAR.= 99.99 %
**********
SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.374 | 0.297 | 0.077 |
| PEAK AREA (ABS-SECONDS) | 0.164 | 0.119 | 0.044 |

READ: 46.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.359 | 0.286 | 0.084 |
| PEAK AREA (ABS-SECONDS) | 0.167 | 0.118 | 0.049 |

READ: 46.2 46 ICV-2 (43)

---

MEAN= 46.4 STD.DEV.= COEF.VAR.= 0.74 %
**********
SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.053 | 0.038 | 0.026 |
| PEAK AREA (ABS-SECONDS) | 0.059 | 0.020 | 0.039 |

READ: 5.1



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| | | | |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.057 | 0.043 | 0.028 |
| PEAK AREA (ABS-SECONDS) | 0.066 | 0.025 | 0.041 |

READ: 7.0 6 328

MEAN= 6.0 STD.DEV.= COEF.VAR.= 22.52 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.195 | 0.152 | 0.048 |
| PEAK AREA (ABS-SECONDS) | 0.122 | 0.072 | 0.050 |

READ: 26.6

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.202 | 0.158 | 0.046 |
| PEAK AREA (ABS-SECONDS) | 0.119 | 0.062 | 0.050 |

READ: 25.2 100% 328+20

MEAN= 25.9 STD.DEV.= COEF.VAR.= 3.70 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.059 | 0.041 | 0.027 |
| PEAK AREA (ABS-SECONDS) | 0.057 | 0.024 | 0.039 |

READ: 6.6

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.060 | 0.046 | 0.030 |
| PEAK AREA (ABS-SECONDS) | 0.065 | 0.025 | 0.039 |

READ: 7.0 7 330

MEAN= 6.8 STD.DEV.= COEF.VAR.= 4.55 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.199 | 0.154 | 0.047 |
| PEAK AREA (ABS-SECONDS) | 0.120 | 0.068 | 0.053 |

READ: 25.0

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.207 | 0.162 | 0.054 |
| PEAK AREA (ABS-SECONDS) | 0.118 | 0.068 | 0.050 |

READ: 25.2 92% 330+20

MEAN= 25.1 STD.DEV.= COEF.VAR.= 0.58 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.058 | 0.036 | 0.026 |
| PEAK AREA (ABS-SECONDS) | 0.055 | 0.014 | 0.041 |

READ: 2.4

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.062 | 0.046 | 0.027 |
| PEAK AREA (ABS-SECONDS) | 0.060 | 0.020 | 0.040 |

READ: 4.7 4 333A

---

MEAN= 3.5 STD.DEV.= COEF.VAR.= 47.27 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.204 | 0.160 | 0.048 |
| PEAK AREA (ABS-SECONDS) | 0.114 | 0.064 | 0.050 |

READ: 23.6

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.211 | 0.166 | 0.057 |
| PEAK AREA (ABS-SECONDS) | 0.116 | 0.066 | 0.050 |

READ: 24.1 102% 333A+20

---

MEAN= 23.8 STD.DEV.= COEF.VAR.= 1.38 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.062 | 0.043 | 0.023 |
| PEAK AREA (ABS-SECONDS) | 0.060 | 0.023 | 0.036 |

READ: 6.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.062 | 0.043 | 0.027 |
| PEAK AREA (ABS-SECONDS) | 0.058 | 0.023 | 0.034 |

READ: 6.3 6 333B

---

MEAN= 6.3 STD.DEV.= COEF.VAR.= 0.41 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.208 | 0.159 | 0.050 |
| PEAK AREA (ABS-SECONDS) | 0.122 | 0.071 | 0.050 |

READ: 26.5 160

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.207 | 0.158 | 0.052 |
| PEAK AREA (ABS-SECONDS) | 0.114 | 0.065 | 0.049 |

READ: 23.8 94% 333B+20

---

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.014 | 0.022 |
| PEAK AREA (ABS-SECONDS) | 0.024 | 0.001 | 0.023 |

READ: -3.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.013 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.029 | 0.006 | 0.023 |

READ: -1.0 <3 Cont. Cal. Blk. (0)

---

MEAN= -2.0 STD.DEV.= COEF.VAR.= 71.74 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.318 | 0.246 | 0.073 |
| PEAK AREA (ABS-SECONDS) | 0.139 | 0.095 | 0.043 |

READ: 36.7

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.302 | 0.229 | 0.072 |
| PEAK AREA (ABS-SECONDS) | 0.140 | 0.098 | 0.043 |

READ: 37.6 37 Cont. Cal. Std. (35)

---

MEAN= 37.1 STD.DEV.= COEF.VAR.= 1.71 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.113 | 0.014 | 0.111 |
| PEAK AREA (ABS-SECONDS) | 0.059 | 0.008 | 0.051 |

READ: -0.4 Group 3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.012 | 0.020 |
| PEAK AREA (ABS-SECONDS) | 0.030 | 0.004 | 0.026 |

READ: -1.9 <3 RGT Blk 1

---

MEAN= -1.1 STD.DEV.= COEF.VAR.= 90.24 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.183 | 0.018 | 0.180 |
| PEAK AREA (ABS-SECONDS) | 0.070 | 0.006 | 0.064 |

READ: -1.0



---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.026 | 0.016 | 0.019 |
| PEAK AREA (ABS-SECONDS) | 0.029 | 0.009 | 0.019 |

READ: 0.3 <3 RGT Blk 2

---

MEAN= -0.3 STD.DEV.= COEF.VAR.= 99.99 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.012 | 0.020 |
| PEAK AREA (ABS-SECONDS) | 0.024 | 0.004 | 0.020 |

READ: -2.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.023 | 0.015 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.028 | 0.001 | 0.027 |

READ: -3.1 <3 RGT Blk 3

---

MEAN= -2.6 STD.DEV.= COEF.VAR.= 28.92 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.122 | 0.014 | 0.118 |
| PEAK AREA (ABS-SECONDS) | 0.064 | 0.007 | 0.056 |

READ: -0.4

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.028 | 0.015 | 0.022 |
| PEAK AREA (ABS-SECONDS) | 0.038 | 0.010 | 0.028 |

READ: 0.8 <3 BlkQ1

---

MEAN= 0.2 STD.DEV.= COEF.VAR.= 99.99 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.025 | 0.016 | 0.021 |
| PEAK AREA (ABS-SECONDS) | 0.034 | 0.002 | 0.031 |

READ: -2.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.017 | 0.022 |
| PEAK AREA (ABS-SECONDS) | 0.032 | 0.006 | 0.026 |

READ: -1.0 <3 BlkQ2

---

MEAN= -1.9 STD.DEV.= COEF.VAR.= 62.95 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.023 | 0.014 | 0.023 |
| PEAK AREA (ABS-SECONDS) | 0.032 | 0.007 | 0.025 |

READ: -0.8

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.013 | 0.026 |
| PEAK AREA (ABS-SECONDS) | 0.031 | 0.001 | 0.030 |

READ: -3.2 <3 BlkQ3

---

MEAN= -2.0 STD.DEV.= COEF.VAR.= 86.24 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.140 | 0.106 | 0.036 |
| PEAK AREA (ABS-SECONDS) | 0.097 | 0.041 | 0.056 |

READ: 13.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.136 | 0.103 | 0.036 |
| PEAK AREA (ABS-SECONDS) | 0.103 | 0.044 | 0.059 |

READ: 15.1 14 335

---

MEAN= 14.4 STD.DEV.= COEF.VAR.= 6.52 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.292 | 0.229 | 0.066 |
| PEAK AREA (ABS-SECONDS) | 0.155 | 0.085 | 0.071 |

READ: 32.2

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.294 | 0.233 | 0.068 |
| PEAK AREA (ABS-SECONDS) | 0.157 | 0.090 | 0.067 |

READ: 34.3 95% 335+20

---

MEAN= 33.3 STD.DEV.= COEF.VAR.= 4.62 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.133 | 0.099 | 0.034 |
| PEAK AREA (ABS-SECONDS) | 0.091 | 0.041 | 0.050 |

READ: 13.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.130 | 0.102 | 0.034 |
| PEAK AREA (ABS-SECONDS) | 0.093 | 0.046 | 0.047 |

READ: 15.8 15 336A

---

MEAN= 14.8 STD.DEV.= COEF.VAR.= 10.06 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.271 | 0.213 | 0.061 |
| PEAK AREA (ABS-SECONDS) | 0.154 | 0.090 | 0.064 |

READ: 34.3

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.283 | 0.224 | 0.065 |
| PEAK AREA (ABS-SECONDS) | 0.149 | 0.085 | 0.064 |

READ: 32.2 92% 336A +20

MEAN= 33.2 STD.DEV.= COEF.VAR.= 4.41 %

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.014 | 0.023 |
| PEAK AREA (ABS-SECONDS) | 0.031 | 0.005 | 0.026 |

READ: -1.3

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.014 | 0.021 |
| PEAK AREA (ABS-SECONDS) | 0.024 | 0.005 | 0.018 |

READ: -1.4 <3 Cont. Cal. Blk. (0)

MEAN= -1.3 STD.DEV.= COEF.VAR.= 2.66 %

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.319 | 0.243 | 0.078 |
| PEAK AREA (ABS-SECONDS) | 0.134 | 0.092 | 0.042 |

READ: 35.1

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.294 | 0.227 | 0.070 |
| PEAK AREA (ABS-SECONDS) | 0.127 | 0.088 | 0.039 |

READ: 33.7 34 Cont. Cal. Std. (35)

MEAN= 34.4 STD.DEV.= COEF.VAR.= 2.86 %

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.124 | 0.093 | 0.036 |
| PEAK AREA (ABS-SECONDS) | 0.092 | 0.048 | 0.044 |

READ: 16.8

Sf recalibrate!

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.126 | 0.093 | 0.034 |
| PEAK AREA (ABS-SECONDS) | 0.090 | 0.041 | 0.049 |

READ: 13.7

MEAN= 15.2 STD.DEV.= COEF.VAR.= 14.37 %

SE

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.029 | 0.014 | 0.022 |
| PEAK AREA (ABS-SECONDS) | 0.031 | 0.006 | 0.024 |

READ: -0.002

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.023 | 0.012 | 0.023 |
| PEAK AREA (ABS-SECONDS) | 0.028 | -0.002 | 0.030 |

READ: -0.010

---

MEAN= -0.006 STD.DEV.= COEF.VAR.= 93.28 %

**********

0.000 AUTOZERO

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.194 | 0.150 | 0.048 |
| PEAK AREA (ABS-SECONDS) | 0.097 | 0.062 | 0.035 |

READ: 0.059

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.194 | 0.145 | 0.050 |
| PEAK AREA (ABS-SECONDS) | 0.093 | 0.059 | 0.034 |

READ: 0.057

---

MEAN= 0.058 STD.DEV.= COEF.VAR.= 3.33 %

**********

20.0 STANDARD 1

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.327 | 0.248 | 0.079 |
| PEAK AREA (ABS-SECONDS) | 0.143 | 0.096 | 0.048 |

READ: 32.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.318 | 0.244 | 0.074 |
| PEAK AREA (ABS-SECONDS) | 0.137 | 0.093 | 0.044 |

READ: 31.3

---

MEAN= 31.7 STD.DEV.= COEF.VAR.= 1.62 %

**********

31.7

E-50: READING GREATER THAN HIGHEST STANDARD

**********

35.0 STANDARD 2

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.420 | 0.330 | 0.090 |
| PEAK AREA (ABS-SECONDS) | 0.173 | 0.131 | 0.042 |

READ: 55.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.416 | 0.330 | 0.090 |
| PEAK AREA (ABS-SECONDS) | 0.174 | 0.128 | 0.045 |

READ: 53.2

---

MEAN= 54.2 STD.DEV.= COEF.VAR.= 3.51 %

**********

54.2

E-50: READING GREATER THAN HIGHEST STANDARD

**********

50.3 STANDARD 3

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.103 | 0.017 | 0.092 |
| PEAK AREA (ABS-SECONDS) | 0.046 | 0.008 | 0.037 |

READ: 1.9

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.084 | 0.013 | 0.077 |
| PEAK AREA (ABS-SECONDS) | 0.045 | 0.006 | 0.040 |

READ: 1.1 <3 Cont. Cal. Blk. (0)

---

MEAN= 1.5 STD.DEV.= COEF.VAR.= 38.29 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.351 | 0.270 | 0.083 |
| PEAK AREA (ABS-SECONDS) | 0.166 | 0.122 | 0.044 |

READ: 46.5

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.378 | 0.296 | 0.083 |
| PEAK AREA (ABS-SECONDS) | 0.163 | 0.117 | 0.047 |

READ: 44.1 45 ICV-2 (43)

---

MEAN= 45.3 STD.DEV.= COEF.VAR.= 4.38 %



**********

SE

| | AA | ZAA | BG |
|---|---|---|---|

| | | | |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.122 | 0.096 | 0.032 |
| PEAK AREA (ABS-SECONDS) | 0.090 | 0.038 | 0.052 |

READ: 12.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.128 | 0.093 | 0.038 |
| PEAK AREA (ABS-SECONDS) | 0.089 | 0.034 | 0.054 |

READ: 10.8

12 336B

---

MEAN= 11.5 STD.DEV.= COEF.VAR.= 8.38 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.266 | 0.207 | 0.061 |
| PEAK AREA (ABS-SECONDS) | 0.143 | 0.086 | 0.057 |

READ: 30.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.268 | 0.212 | 0.061 |
| PEAK AREA (ABS-SECONDS) | 0.143 | 0.086 | 0.058 |

READ: 30.5 96% 336B+20

---

MEAN= 30.6 STD.DEV.= COEF.VAR.= 0.46 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.141 | 0.114 | 0.037 |
| PEAK AREA (ABS-SECONDS) | 0.101 | 0.041 | 0.060 |

READ: 13.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.139 | 0.104 | 0.039 |
| PEAK AREA (ABS-SECONDS) | 0.101 | 0.043 | 0.058 |

READ: 14.1 14 337

---

MEAN= 13.7 STD.DEV.= COEF.VAR.= 4.38 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.150 | 0.105 | 0.082 |
| PEAK AREA (ABS-SECONDS) | 0.125 | 0.047 | 0.078 |

READ: 15.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.298 | 0.232 | 0.070 |
| PEAK AREA (ABS-SECONDS) | 0.164 | 0.091 | 0.073 |

Rerun below

READ: 32.7 ?

---

MEAN= 23.7 STD.DEV.= COEF.VAR.= 56.40 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.283 | 0.219 | 0.072 |
| PEAK AREA (ABS-SECONDS) | 0.166 | 0.095 | 0.071 |

READ: 34.5

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.301 | 0.236 | 0.064 |
| PEAK AREA (ABS-SECONDS) | 0.166 | 0.093 | 0.073 |

READ: 33.8 102% 337+20

---

MEAN= 34.1 STD.DEV.= COEF.VAR.= 1.73 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.134 | 0.102 | 0.036 |
| PEAK AREA (ABS-SECONDS) | 0.089 | 0.042 | 0.047 |

READ: 13.5

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.137 | 0.107 | 0.037 |
| PEAK AREA (ABS-SECONDS) | 0.089 | 0.044 | 0.045 |

READ: 14.3 14 338

---

MEAN= 13.9 STD.DEV.= COEF.VAR.= 4.13 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.281 | 0.219 | 0.063 |
| PEAK AREA (ABS-SECONDS) | 0.142 | 0.086 | 0.055 |

READ: 30.9

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.286 | 0.222 | 0.070 |
| PEAK AREA (ABS-SECONDS) | 0.145 | 0.089 | 0.056 |

READ: 32.0 88% 338+20

---

MEAN= 31.4 STD.DEV.= COEF.VAR.= 2.80 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.158 | 0.120 | 0.043 |
| PEAK AREA (ABS-SECONDS) | 0.106 | 0.047 | 0.059 |

READ: 15.3



---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.161 | 0.122 | 0.044 |
| PEAK AREA (ABS-SECONDS) | 0.103 | 0.043 | 0.060 |

READ: 13.9

---

MEAN= 14.6 STD.DEV.= 15 COEF.VAR.= 6.92 % 339

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.297 | 0.234 | 0.068 |
| PEAK AREA (ABS-SECONDS) | 0.159 | 0.091 | 0.068 |

READ: 32.8

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.299 | 0.231 | 0.069 |
| PEAK AREA (ABS-SECONDS) | 0.158 | 0.092 | 0.066 |

READ: 33.1 92% 339+20

---

MEAN= 33.0 STD.DEV.= COEF.VAR.= 0.83 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.156 | 0.125 | 0.034 |
| PEAK AREA (ABS-SECONDS) | 0.098 | 0.051 | 0.047 |

READ: 16.8

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.152 | 0.116 | 0.038 |
| PEAK AREA (ABS-SECONDS) | 0.095 | 0.042 | 0.053 |

READ: 13.6 15 340

---

MEAN= 15.2 STD.DEV.= COEF.VAR.= 15.77 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.299 | 0.236 | 0.068 |
| PEAK AREA (ABS-SECONDS) | 0.148 | 0.088 | 0.060 |

READ: 31.6

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.293 | 0.237 | 0.064 |
| PEAK AREA (ABS-SECONDS) | 0.158 | 0.099 | 0.059 |

READ: 36.2 94% 340+20

---

MEAN= 33.9 STD.DEV.= COEF.VAR.= 10.69 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.098 | 0.018 | 0.084 |
| PEAK AREA (ABS-SECONDS) | 0.048 | 0.005 | 0.043 |

READ: 0.8



---

AA ZAA BG

| | | | |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.012 | 0.020 |
| PEAK AREA (ABS-SECONDS) | 0.026 | 0.004 | 0.022 |

READ: 0.5 <3 Cont. Cal. Blk. (0)

MEAN= 0.6 STD.DEV.= COEF.VAR.= 37.76 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.307 | 0.233 | 0.074 |
| PEAK AREA (ABS-SECONDS) | 0.133 | 0.092 | 0.041 |

READ: 33.1

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.301 | 0.228 | 0.072 |
| PEAK AREA (ABS-SECONDS) | 0.133 | 0.091 | 0.042 |

33

READ: 32.8 Cont. Cal. Std. (35)

MEAN= 33.0 STD.DEV.= COEF.VAR.= 0.66 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.026 | 0.011 | 0.020 |
| PEAK AREA (ABS-SECONDS) | 0.035 | 0.005 | 0.030 |

READ: 0.8

Sf recalibrate!

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.024 | 0.014 | 0.022 |
| PEAK AREA (ABS-SECONDS) | 0.037 | 0.010 | 0.027 |

READ: 2.3 <3 341

MEAN= 1.6 STD.DEV.= COEF.VAR.= 68.02 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.174 | 0.127 | 0.047 |
| PEAK AREA (ABS-SECONDS) | 0.094 | 0.059 | 0.035 |

READ: 20.0

Sf

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.168 | 0.126 | 0.046 |
| PEAK AREA (ABS-SECONDS) | 0.090 | 0.052 | 0.037 |

READ: 17.4 86% 341+20

MEAN= 18.7 STD.DEV.= COEF.VAR.= 10.31 %

**********

Sf



SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.317 | 0.251 | 0.070 |
| PEAK AREA (ABS-SECONDS) | 0.170 | 0.096 | 0.074 |

SR16122 (Gp. 3)
(335-355)

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.021 | 0.013 | 0.019 |
| PEAK AREA (ABS-SECONDS) | 0.042 | 0.011 | 0.031 |

READ: 0.005

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.020 | 0.012 | 0.017 |
| PEAK AREA (ABS-SECONDS) | 0.046 | 0.007 | 0.039 |

READ: 0.001

---

MEAN= 0.003 STD.DEV.= COEF.VAR.= 90.51 %

**********

0.000 AUTOZERO

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.137 | 0.096 | 0.044 |
| PEAK AREA (ABS-SECONDS) | 0.092 | 0.048 | 0.043 |

READ: 0.039

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.139 | 0.098 | 0.042 |
| PEAK AREA (ABS-SECONDS) | 0.088 | 0.049 | 0.040 |

READ: 0.039

---

MEAN= 0.039 STD.DEV.= COEF.VAR.= 0.71 %

**********

20.0 STANDARD 1

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.248 | 0.181 | 0.070 |
| PEAK AREA (ABS-SECONDS) | 0.131 | 0.082 | 0.049 |

READ: 37.2

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.249 | 0.188 | 0.062 |
| PEAK AREA (ABS-SECONDS) | 0.133 | 0.089 | 0.044 |

READ: 40.6

---

MEAN= 38.9 STD.DEV.= COEF.VAR.= 6.08 %

**********

38.9

E-50, READING GREATER THAN HIGHEST STANDARD

E-50: READING GREATER THAN HIGHEST STANDARD

**********

35.0 STANDARD 2

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.340 | 0.256 | 0.088 |
| PEAK AREA (ABS-SECONDS) | 0.172 | 0.122 | 0.050 |

READ: 47.0

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.335 | 0.254 | 0.083 |
| PEAK AREA (ABS-SECONDS) | 0.168 | 0.116 | 0.052 |

READ: 45.4

---

MEAN= 46.2 STD.DEV.= COEF.VAR.= 1.24 %

**********

46.2

E-50: READING GREATER THAN HIGHEST STANDARD

**********

49.7 STANDARD 3

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.020 | 0.011 | 0.018 |
| PEAK AREA (ABS-SECONDS) | 0.023 | 0.005 | 0.019 |

READ: -2.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.021 | 0.010 | 0.015 |
| PEAK AREA (ABS-SECONDS) | 0.024 | 0.004 | 0.020 |

READ: -2.5 Init. Blk. <3

---

MEAN= -2.4 STD.DEV.= COEF.VAR.= 6.06 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.321 | 0.238 | 0.084 |
| PEAK AREA (ABS-SECONDS) | 0.150 | 0.098 | 0.052 |

READ: 41.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.317 | 0.238 | 0.080 |
| PEAK AREA (ABS-SECONDS) | 0.153 | 0.106 | 0.048 |

43

READ: 44.3 Ver. Std. JCU-2 ppb (43)

---

MEAN= 42.8 STD.DEV.= COEF.VAR.= 4.39 %

**********

SE

Ver. 5.4d. ECU-3 No (43)

43

Ser. 01K. 43

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.021 | 0.014 | 0.020 |
| PEAK AREA (ABS-SECONDS) | 0.027 | 0.007 | 0.020 |

READ: -1.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.012 | 0.011 | 0.006 |
| PEAK AREA (ABS-SECONDS) | 0.008 | 0.010 | -0.002 |

QC

READ: 0.6    341    <3

---

MEAN= -0.3 STD.DEV.= COEF.VAR.= 99.99 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.134 | 0.096 | 0.041 |
| PEAK AREA (ABS-SECONDS) | 0.083 | 0.050 | 0.033 |

READ: 19.9

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.145 | 0.104 | 0.044 |
| PEAK AREA (ABS-SECONDS) | 0.086 | 0.044 | 0.041 |

READ: 17.2    +20    19 → 95%

---

MEAN= 18.6 STD.DEV.= COEF.VAR.= 9.68 %

**********

samples # 342 and on will be remade due to reproducibility & spike recovery problems.

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.292 | 0.215 | 0.080 |
| PEAK AREA (ABS-SECONDS) | [illegible] | 0.073 | 0.085 |

READ: 30.6

---

QC

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.052 | 0.046 | 0.014 |
| PEAK AREA (ABS-SECONDS) | -0.123 | 0.060 | -0.183 |

QC

READ: 24.7

---

MEAN= 27.7 STD.DEV.= COEF.VAR.= 13.84 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.107 | 0.050 | 0.060 |
| PEAK AREA (ABS-SECONDS) | 0.097 | 0.066 | 0.031 |

QC

READ: 27.3

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.110 | 0.057 | 0.058 |
| PEAK AREA (ABS-SECONDS) | 0.085 | 0.053 | 0.033 |

READ: 21.2

---

MEAN= 24.3 STD.DEV.= COEF.VAR.= 16.82 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.105 | 0.076 | 0.033 |
| PEAK AREA (ABS-SECONDS) | 0.065 | 0.047 | 0.022 |

READ: 18.5

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.058 | 0.037 | 0.028 |
| PEAK AREA (ABS-SECONDS) | 0.042 | 0.031 | 0.012 |

READ: 10.8

---

MEAN= 14.7 STD.DEV.= COEF.VAR.= 36.08 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.088 | 0.057 | 0.033 |
| PEAK AREA (ABS-SECONDS) | 0.072 | 0.050 | 0.022 |

READ: 19.9

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.058 | 0.040 | 0.031 |
| PEAK AREA (ABS-SECONDS) | 0.050 | 0.036 | 0.014 |

READ: 13.4

---

MEAN= 16.6 STD.DEV.= COEF.VAR.= 26.31 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.332 | 0.251 | 0.084 |
| PEAK AREA (ABS-SECONDS) | 0.167 | 0.101 | 0.066 |

READ: 42.4

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.334 | 0.247 | 0.087 |
| PEAK AREA (ABS-SECONDS) | 0.168 | 0.099 | 0.069 |

READ: 41.5

---

MEAN= 41.9 STD.DEV.= COEF.VAR.= 1.29 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.479 | 0.361 | 0.123 |
| PEAK AREA (ABS-SECONDS) | 0.215 | 0.137 | 0.078 |

READ: 56.7



---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.466 | 0.355 | 0.111 |
| PEAK AREA (ABS-SECONDS) | 0.215 | 0.140 | 0.075 |

PEAK AREA (ABS-SECONDS) 0.215 0.140 0.075

READ: 58.1

---

MEAN= 57.4 STD.DEV.= COEF.VAR.= 1.46 %

**********

57.4

E-50: READING GREATER THAN HIGHEST STANDARD

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.052 | 0.030 | 0.026 |
| PEAK AREA (ABS-SECONDS) | 0.040 | 0.031 | 0.009 |

READ: 11.1

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.053 | 0.032 | 0.027 |
| PEAK AREA (ABS-SECONDS) | 0.044 | 0.028 | 0.016 |

READ: 9.3

---

MEAN= 10.2 STD.DEV.= COEF.VAR.= 12.44 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.054 | 0.040 | 0.027 |
| PEAK AREA (ABS-SECONDS) | 0.052 | 0.038 | 0.014 |

READ: 14.4

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.060 | 0.042 | 0.026 |
| PEAK AREA (ABS-SECONDS) | 0.050 | 0.040 | 0.011 |

READ: 15.0

---

MEAN= 14.7 STD.DEV.= COEF.VAR.= 3.08 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.020 | 0.011 | 0.017 |
| PEAK AREA (ABS-SECONDS) | 0.027 | 0.004 | 0.023 |

READ: -2.6

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.021 | 0.012 | 0.016 |
| PEAK AREA (ABS-SECONDS) | 0.028 | 0.011 | 0.017 |

READ: 0.7 Cont. Blk. <3

---

MEAN= -0.9 STD.DEV.= COEF.VAR.= 99.99 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.249 | 0.184 | 0.066 |
| PEAK AREA (ABS-SECONDS) | 0.125 | 0.085 | 0.040 |

READ: 35.8

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.250 | 0.183 | 0.066 |
| PEAK AREA (ABS-SECONDS) | 0.130 | 0.088 | 0.043 |

READ: 36.7 Cont. Std. (35) 36

---

MEAN= 36.2 STD.DEV.= COEF.VAR.= 1.68 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.340 | 0.258 | 0.082 |
| PEAK AREA (ABS-SECONDS) | 0.174 | 0.105 | 0.069 |

READ: 44.2

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.065 | 0.034 | 0.036 |
| PEAK AREA (ABS-SECONDS) | 0.055 | 0.036 | 0.019 |

READ: 13.3

---

MEAN= 29.4 STD.DEV.= COEF.VAR.= 68.79 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.106 | 0.068 | 0.040 |
| PEAK AREA (ABS-SECONDS) | 0.095 | 0.060 | 0.034 |

READ: 24.7

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.082 | 0.045 | 0.042 |
| PEAK AREA (ABS-SECONDS) | 0.061 | 0.048 | 0.013 |

READ: 19.0

---

MEAN= 21.9 STD.DEV.= COEF.VAR.= 17.44 %

**********

Run stopped to assess sudden problems with sample analysis. Appears to be matrix related as std's + first group of samples ran fine. JC

SE SR 16122-3 11-18-87

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.020 | 0.010 | 0.019 |
| PEAK AREA (ABS-SECONDS) | 0.026 | 0.007 | 0.019 |

READ: -0.002

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.022 | 0.011 | 0.016 |
| PEAK AREA (ABS-SECONDS) | 0.026 | 0.006 | 0.020 |

READ: -0.003

---

MEAN= -0.002 STD.DEV.= COEF.VAR.= 19.44 %

**********

0.000 AUTOZERO

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.201 | 0.147 | 0.054 |
| PEAK AREA (ABS-SECONDS) | 0.089 | 0.053 | 0.036 |

READ: 0.046

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.193 | 0.140 | 0.053 |
| PEAK AREA (ABS-SECONDS) | 0.084 | 0.048 | 0.035 |

READ: 0.042

---

MEAN= 0.044 STD.DEV.= COEF.VAR.= 7.19 %

**********

20.0 STANDARD 1

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.304 | 0.229 | 0.080 |
| PEAK AREA (ABS-SECONDS) | 0.134 | 0.092 | 0.042 |

READ: 39.0

---

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.312 | 0.235 | 0.078 |
| PEAK AREA (ABS-SECONDS) | 0.132 | 0.092 | 0.040 |

READ: 38.8

---

MEAN= 38.9 STD.DEV.= COEF.VAR.= 0.54 %

**********

38.9

E-50: READING GREATER THAN HIGHEST STANDARD

**********

35.0 STANDARD 2

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.426 | 0.319 | 0.108 |
| PEAK AREA (ABS-SECONDS) | 0.177 | 0.123 | 0.054 |

READ: 44.4

---

(CONTINUED)

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.418 | 0.314 | 0.104 |
| PEAK AREA (ABS-SECONDS) | 0.176 | 0.121 | 0.055 |

READ: 44.0

---

MEAN= 44.2 STD.DEV.= COEF.VAR.= 0.36 %

**********

44.2

E-50: READING GREATER THAN HIGHEST STANDARD

**********

49.5 STANDARD 3

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.019 | 0.011 | 0.016 |
| PEAK AREA (ABS-SECONDS) | 0.023 | 0.008 | 0.015 |

READ: 0.4

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.020 | 0.009 | 0.016 |
| PEAK AREA (ABS-SECONDS) | 0.025 | 0.005 | 0.019 |

READ: -0.5 Init. Blk. <3

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MEAN= 0.0 STD.DEV.= COEF.VAR.= 99.99 %

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SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.403 | 0.305 | 0.099 |
| PEAK AREA (ABS-SECONDS) | 0.166 | 0.113 | 0.053 |

READ: 45.6

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.395 | 0.294 | 0.101 |
| PEAK AREA (ABS-SECONDS) | 0.155 | 0.107 | 0.048 |

44

READ: 42.7 Ver. Std. ICU-2 1/40 (43)

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MEAN= 44.1 STD.DEV.= COEF.VAR.= 4.63 %

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SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.163 | 0.119 | 0.046 |
| PEAK AREA (ABS-SECONDS) | 0.092 | 0.050 | 0.043 |

READ: 18.2

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.161 | 0.118 | 0.049 |
| PEAK AREA (ABS-SECONDS) | 0.098 | 0.050 | 0.047 |

READ: 18.6 342 1/2 18 → 36

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MEAN= 18.4 STD.DEV.= COEF.VAR.= 1.50 %

**********

SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.294 | 0.217 | 0.077 |
| PEAK AREA (ABS-SECONDS) | 0.150 | 0.092 | 0.059 |

READ: 36.3

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.293 | 0.216 | 0.077 |
| PEAK AREA (ABS-SECONDS) | 0.149 | 0.092 | 0.057 |

READ: 36.3 + 20 90%

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MEAN= 36.3 STD.DEV.= COEF.VAR.= 0.01 %

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SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.168 | 0.122 | 0.046 |
| PEAK AREA (ABS-SECONDS) | 0.089 | 0.049 | 0.039 |

READ: 18.2

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.168 | 0.118 | 0.052 |
| PEAK AREA (ABS-SECONDS) | 0.094 | 0.051 | 0.043 |

READ: 18.7 343 ½ 18 → 36

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MEAN= 18.4 STD.DEV.= COEF.VAR.= 2.01 %

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SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.299 | 0.226 | 0.076 |
| PEAK AREA (ABS-SECONDS) | 0.137 | 0.095 | 0.042 |

READ: 37.8

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.300 | 0.221 | 0.080 |
| PEAK AREA (ABS-SECONDS) | 0.143 | 0.090 | 0.052 |

READ: 35.6 + 20 95%

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MEAN= 36.7 STD.DEV.= COEF.VAR.= 4.21 %

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SE

| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.177 | 0.130 | 0.051 |
| PEAK AREA (ABS-SECONDS) | 0.102 | 0.055 | 0.048 |

READ: 20.4

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| | AA | ZAA | BG |
|---|---|---|---|
| PEAK HEIGHT (ABSORBANCE) | 0.174 | 0.128 | 0.048 |
| PEAK AREA (ABS-SECONDS) | 0.102 | 0.062 | 0.040 |

READ: 23.4