

MERCURY ANALYSIS LOGBOOK

| Date              | Case Number | Batch Number | Start Time | BLK | STD1 | STD2  | STD3  | STD4  |
|-------------------|-------------|--------------|------------|-----|------|-------|-------|-------|
| 4/16/15<br>(3470) | G1905       | P0382792     | 10:34      | 13  | 673  | 5688  | 17695 | 26161 |
|                   | G1897       | P0382793     |            |     |      |       |       |       |
|                   | G1902       |              |            |     |      |       |       |       |
| 4/16/15<br>(3471) | G1744       | P0382794     | 12:37      | 121 | 966  | 11567 | 22544 | 33466 |
|                   | G1765       |              |            |     |      |       |       |       |
|                   | G1891       |              |            |     |      |       |       |       |
|                   | G1902       |              |            |     |      |       |       |       |
|                   | G1905       |              |            |     |      |       |       |       |
|                   | G1915       |              |            |     |      |       |       |       |
| 4/16/15<br>(3472) | G1835       | P0382811     | 15:00      | 80  | 927  | 10642 | 21140 | 31691 |
| 4/16/15<br>(3473) | G1867       | P0382810     | 15:58      | 88  | 917  | 10407 | 20982 | 31049 |
| 4/16/15<br>(3474) | G1835       | P0382835     | 16:59      | 115 | 968  | 11438 | 23113 | 34821 |
| 4/17/15<br>(3475) | G1933       | P0382849     | 13:36      | 46  | 860  | 10030 | 20327 | 30891 |
| 4/17/15<br>(3476) | G1825       | P0382861     | 16:12      | 30  | 617  | 8233  | 16460 | 24985 |
|                   | G1864       |              |            |     |      |       |       |       |
| 4/20/15<br>(3477) | G1938       | P0382854     | 12:02      | -10 | 674  | 5424  | 17689 | 25483 |
| 4/20/15<br>(3478) | G1841       | P0382855     | 13:17      | 104 | 1213 | 11667 | 23328 | 33302 |
|                   | G1919       |              |            |     |      |       |       |       |
|                   | G1938       |              |            |     |      |       |       |       |
|                   | G1942       |              |            |     |      |       |       |       |
| 4/20/15<br>(3479) | G1933       | P0382887     | 16:35      | 102 | 928  | 11671 | 23396 | 32171 |

MERCURY ANALYSIS LOGBOOK

| STD 5 | End Time | Correlation Coefficient | Stannous Chloride Prep log # | Comment                       | Analyst | Supervisor Signature |
|-------|----------|-------------------------|------------------------------|-------------------------------|---------|----------------------|
| 35433 | 13:02    | 0.9999359               | M127150                      | ICV13 - 25<br>CCV13 - 25 - 51 | M13     | 12                   |
|       |          |                         |                              |                               | M13     | 13                   |
|       |          |                         |                              |                               | M13     | 14                   |
| 46520 | 14:25    | 0.9999378               | M127150                      | ICV13 - 26<br>CCV13 - 32 - 35 | M13     | 15                   |
|       |          |                         |                              |                               | M13     | 16                   |
|       |          |                         |                              |                               | M13     | 17                   |
|       |          |                         |                              |                               | M13     | 18                   |
|       |          |                         |                              |                               | M13     | 19                   |
| 42271 | 15:34    | 0.9999584               | M127150                      | ICV13 - 27<br>CCV13 - 33 - 35 | M13     | 20                   |
| 41890 | 16:45    | 0.9999610               | M127150                      | ICV13 - 28<br>CCV13 - 34 - 36 | M13     | 21                   |
| 45723 | 17:42    | 0.9999503               | M127150                      | ICV13 - 29<br>CCV13 - 35 - 37 | M13     | 22                   |
| 41054 | 14:15    | 0.9999673               | M127150                      | ICV13 - 30<br>CCV13 - 36 - 38 | M13     | 23                   |
| 33593 | 17:21    | 0.9999485               | M127150                      | ICV13 - 31<br>CCV13 - 37 - 39 | M13     | 24                   |
|       |          |                         |                              |                               | M13     | 25                   |
| 35322 | 12:18    | 0.9999615               | M127211                      | ICV13 - 32<br>CCV13 - 38 - 40 | M13     | 26                   |
| 45895 | 16:12    | 0.9999524               | M127211                      | ICV13 - 33<br>CCV13 - 39 - 41 | M13     | 27                   |
|       |          |                         |                              |                               | M13     | 28                   |
|       |          |                         |                              |                               | M13     | 29                   |
| 47158 | 17:15    | 0.9999841               | M127211                      | ICV13 - 34<br>CCV13 - 40 - 42 | M13     | 30                   |

LB75690 CVD

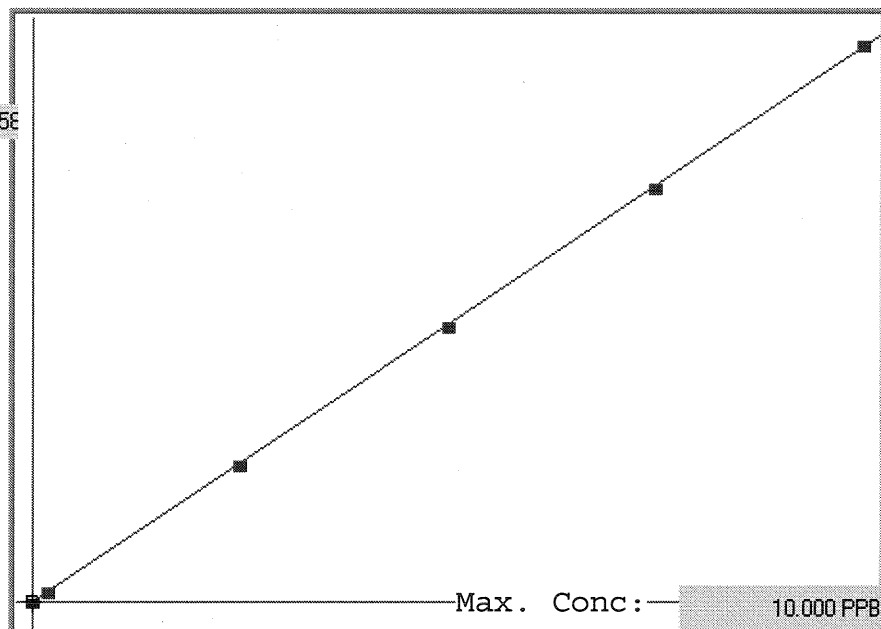
ISM01.3

LB75690  
INSTRUMENT ID: CV1

Linear

 $\mu$  Abs.:

47158



A= 0.0000e+000

B= 2.1258e-004

C= 4.1965e-003

Rho= 0.9999841

Accept=Accepted

5 slope  
y-intercept

| Std ID | Conc.  | Calc.  | Dev.   | Mean  | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 | % of b |
|--------|--------|--------|--------|-------|------------|-------|-------|-------|-------|-------|--------|
| 0.0    | 0.000  | 0.026  | 0.026  | 102   | 0.000      | 102   |       |       |       |       | 1      |
| 0.2    | 0.200  | 0.201  | 0.001  | 928   | 0.0 %      | 928   |       |       |       |       | 1      |
| 2.5    | 2.500  | 2.485  | -0.015 | 11671 | 0.0 %      | 11671 |       |       |       |       | 0      |
| 5.0    | 5.000  | 4.978  | -0.022 | 23396 | 0.0 %      | 23396 |       |       |       |       | 0      |
| 7.5    | 7.500  | 7.481  | -0.019 | 35171 | 0.0 %      | 35171 |       |       |       |       | 0      |
| 10.0   | 10.000 | 10.029 | 0.029  | 47158 | 0.0 %      | 47158 |       |       |       |       | 0      |

283  
4/20/15

LB75690  
INSTRUMENT ID : CV1

| Sample ID | Extended ID | $\mu$ Abs. | Conc.     | Std Conc | Method      | Units | Date            | Type |
|-----------|-------------|------------|-----------|----------|-------------|-------|-----------------|------|
|           | 0 S0        | 102        | -         |          | 0 ISM01.3   | PPB   | 4/20/2015 16:35 | Std  |
|           | 0.2 S0.2    | 928        | -         |          | 0.2 ISM01.3 | PPB   | 4/20/2015 16:37 | Std  |
|           | 2.5 S2.5    | 11671      | -         |          | 2.5 ISM01.3 | PPB   | 4/20/2015 16:39 | Std  |
|           | 5 S5        | 23396      | -         |          | 5 ISM01.3   | PPB   | 4/20/2015 16:41 | Std  |
|           | 7.5 S7.5    | 35171      | -         |          | 7.5 ISM01.3 | PPB   | 4/20/2015 16:43 | Std  |
|           | 10 S10      | 47158      | -         |          | 10 ISM01.3  | PPB   | 4/20/2015 16:46 | Std  |
| ICV33     | ICV33       | 18218      | 3.877 -   |          | ISM01.3     | PPB   | 4/20/2015 16:49 | SMPL |
| ICB33     | ICB33       | -355       | -0.0713 - |          | ISM01.3     | PPB   | 4/20/2015 16:51 | SMPL |
| CCV09     | CCV09       | 23087      | 4.912 -   |          | ISM01.3     | PPB   | 4/20/2015 16:53 | SMPL |
| CCB09     | CCB09       | 45         | 0.0138 -  |          | ISM01.3     | PPB   | 4/20/2015 16:55 | SMPL |
| PB82887BL | PBS02       | 154        | 0.0369 -  |          | ISM01.3     | PPB   | 4/20/2015 16:57 | SMPL |
| G1933-19  | MX1P98      | 9945       | 2.1183 -  |          | ISM01.3     | PPB   | 4/20/2015 17:07 | SMPL |
| G1933-20  | MX1P98D     | 9572       | 2.039 -   |          | ISM01.3     | PPB   | 4/20/2015 17:09 | SMPL |
| G1933-21  | MX1P98S     | 20304      | 4.3204 -  |          | ISM01.3     | PPB   | 4/20/2015 17:11 | SMPL |
| CCV10     | CCV10       | 21766      | 4.6312 -  |          | ISM01.3     | PPB   | 4/20/2015 17:13 | SMPL |
| CCB10     | CCB10       | -82        | -0.0132 - |          | ISM01.3     | PPB   | 4/20/2015 17:15 | SMPL |