

**Daily Analysis Runlog For Sequence/QC Batch ID # LB85288**

|               |           |                                                 |        |                |         |        |
|---------------|-----------|-------------------------------------------------|--------|----------------|---------|--------|
| Review By     |           | Review On                                       |        |                |         |        |
| SubDirectory  |           | LB85288                                         |        | Test : Cyanide |         |        |
| STD. NAME     |           | STD REF.#                                       |        |                |         |        |
| ICAL Standard |           | WP52060,WP52059,WP52058,WP52057,WP52056,WP52055 |        |                |         |        |
| ICV Standard  |           | WP52061                                         |        |                |         |        |
| CCV Standard  |           | WP52062                                         |        |                |         |        |
| ICSA Standard |           |                                                 |        |                |         |        |
| CRI Standard  |           |                                                 |        |                |         |        |
| LCS Standard  |           |                                                 |        |                |         |        |
| Chk Standard  |           | WP52071,WP51626,WP50159,WP51615                 |        |                |         |        |
| Sr#           | SampleID  | ClientID                                        | QcType | Date           | Comment | Status |
| 1             | S0.0      | S0.0                                            | CAL1   | 01/11/17 14:09 |         | OK     |
| 2             | S5.0      | S5.0                                            | CAL2   | 01/11/17 14:09 |         | OK     |
| 3             | S10.0     | S10.0                                           | CAL3   | 01/11/17 14:09 |         | OK     |
| 4             | S100.0    | S100.0                                          | CAL4   | 01/11/17 14:09 |         | OK     |
| 5             | S250.0    | S250.0                                          | CAL5   | 01/11/17 14:09 |         | OK     |
| 6             | S500.0    | S500.0                                          | CAL6   | 01/11/17 14:09 |         | OK     |
| 7             | ICV       | ICV                                             | ICV    | 01/11/17 14:53 |         | OK     |
| 8             | ICB       | ICB                                             | ICB    | 01/11/17 14:53 |         | OK     |
| 9             | CCV001    | CCV001                                          | CCV    | 01/11/17 14:53 |         | OK     |
| 10            | CCB001    | CCB001                                          | CCB    | 01/11/17 14:53 |         | OK     |
| 11            | PB95923BL | PBW005                                          | MB     | 01/11/17 14:53 |         | OK     |
| 12            | I1062-01  | MDA961                                          | SAM    | 01/11/17 14:53 |         | OK     |
| 13            | I1062-03  | MDA969                                          | SAM    | 01/11/17 14:53 |         | OK     |
| 14            | I1062-04  | MDA970                                          | SAM    | 01/11/17 14:53 |         | OK     |
| 15            | I1062-05  | MDA973                                          | SAM    | 01/11/17 14:53 |         | OK     |
| 16            | I1062-06  | MDA963                                          | SAM    | 01/11/17 14:53 |         | OK     |
| 17            | I1062-07  | MDA967                                          | SAM    | 01/11/17 15:00 |         | OK     |
| 18            | I1062-08  | MDA972                                          | SAM    | 01/11/17 15:00 |         | OK     |
| 19            | I1062-09  | MDA964                                          | SAM    | 01/11/17 15:00 |         | OK     |
| 20            | I1062-10  | MDA968                                          | SAM    | 01/11/17 15:01 |         | OK     |
| 21            | I1062-11  | MDA971                                          | SAM    | 01/11/17 15:01 |         | OK     |

**Daily Analysis Runlog For Sequence/QC Batch ID # LB85288**

|               |          |                                                 |     |                |  |    |
|---------------|----------|-------------------------------------------------|-----|----------------|--|----|
| Review By     |          | Review On                                       |     |                |  |    |
| SubDirectory  |          | LB85288                                         |     | Test : Cyanide |  |    |
| STD. NAME     |          | STD REF.#                                       |     |                |  |    |
| ICAL Standard |          | WP52060,WP52059,WP52058,WP52057,WP52056,WP52055 |     |                |  |    |
| ICV Standard  |          | WP52061                                         |     |                |  |    |
| CCV Standard  |          | WP52062                                         |     |                |  |    |
| ICSA Standard |          |                                                 |     |                |  |    |
| CRI Standard  |          |                                                 |     |                |  |    |
| LCS Standard  |          |                                                 |     |                |  |    |
| Chk Standard  |          | WP52071,WP51626,WP50159,WP51615                 |     |                |  |    |
| 22            | I1062-12 | MDA974                                          | SAM | 01/11/17 15:01 |  | OK |
| 23            | I1062-13 | MDA974D                                         | DUP | 01/11/17 15:01 |  | OK |
| 24            | I1062-14 | MDA974S                                         | MS  | 01/11/17 15:01 |  | OK |
| 25            | I1062-15 | MDA975                                          | SAM | 01/11/17 15:01 |  | OK |
| 26            | I1062-02 | MDA962                                          | SAM | 01/11/17 15:05 |  | OK |
| 27            | CCV002   | CCV002                                          | CCV | 01/11/17 15:05 |  | OK |
| 28            | CCB002   | CCB002                                          | CCB | 01/11/17 15:05 |  | OK |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/3/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/4/2017 12:00:00 AM |
| Client Sample ID: | MDA961   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-01 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 80.8  |      | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/3/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/4/2017 12:00:00 AM |
| Client Sample ID: | MDA962   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-02 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 41.1  |      | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/6/2017 12:00:00 AM |
| Client Sample ID: | MDA969   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-03 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.82  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/6/2017 12:00:00 AM |
| Client Sample ID: | MDA970   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-04 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0     | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/6/2017 12:00:00 AM |
| Client Sample ID: | MDA973   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-05 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.38  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/6/2017 12:00:00 AM |
| Client Sample ID: | MDA963   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-06 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.69  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/6/2017 12:00:00 AM |
| Client Sample ID: | MDA967   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-07 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.082 | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA972   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-08 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.69  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA964   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-09 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.24  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA968   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-10 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.33  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA971   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-11 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 12.4  |      | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA974   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-12 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.52  | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA975   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-15 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met.   |
|---------|-----------|-------|------|----|-----|-----|------------|-------|------------|------------|------------|
| 57-12-5 | Cyanide   | 0.6   | U    | 1  | 1.5 | 5   | 10         | ug/L  | 01/11/2017 | 01/11/2017 | ISM02.2_CN |



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## Report of Analysis

|                   |          |                 |                      |
|-------------------|----------|-----------------|----------------------|
| Client:           |          | Date Collected: | 1/4/2017 12:00:00 AM |
| Project:          | LB85288  | Date Received:  | 1/7/2017 12:00:00 AM |
| Client Sample ID: | MDA975   | SDG No.:        | LB85288              |
| Lab Sample ID:    | I1062-15 | Matrix:         | WATER                |
| Level (low/med):  | low      | % Solid:        | 0                    |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----|-----------|-------|------|----|-----|-----|------------|-------|-----------|-----------|----------|
|-----|-----------|-------|------|----|-----|-----|------------|-------|-----------|-----------|----------|

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



Hit Summary Sheet  
SW-846

SDG No.: LB85288

Order ID: LB85288

Client: LB85288

Project ID: LB85288

| Sample ID          | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|--------------------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|
| Client ID : MDA961 |           |        |           |               |   |     |     |     |       |
| I1062-01           | MDA961    | WATER  | Cyanide   | 80.800        |   | 1.5 | 5   | 10  | ug/L  |
| Client ID : MDA962 |           |        |           |               |   |     |     |     |       |
| I1062-02           | MDA962    | WATER  | Cyanide   | 41.100        |   | 1.5 | 5   | 10  | ug/L  |
| Client ID : MDA971 |           |        |           |               |   |     |     |     |       |
| I1062-11           | MDA971    | WATER  | Cyanide   | 12.400        |   | 1.5 | 5   | 10  | ug/L  |



**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

**Client:** LB85288 **SDG No.:** LB85288  
**Contract:**                      **Lab Code:** CHEM **Method:**                       
**Case No.:** LB85288 **SAS No.:** LB85288

|                              |           |                |        |            | Initial<br>Sample<br>Size(mL) | Final Sample<br>Volume (mL) | Percent<br>Solids |
|------------------------------|-----------|----------------|--------|------------|-------------------------------|-----------------------------|-------------------|
| Sample ID                    | Client ID | Sample<br>Type | Matrix | Prep Date  |                               |                             |                   |
| <b>Batch Number: PB95923</b> |           |                |        |            |                               |                             |                   |
| PB95923BL                    | PBW005    | MB             | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-01                     | MDA961    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-03                     | MDA969    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-04                     | MDA970    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-05                     | MDA973    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-06                     | MDA963    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-07                     | MDA967    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-08                     | MDA972    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-09                     | MDA964    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-10                     | MDA968    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-11                     | MDA971    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-12                     | MDA974    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-13                     | MDA974D   | DUP            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-14                     | MDA974S   | MS             | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-15                     | MDA975    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |
| I1062-02                     | MDA962    | SAM            | WATER  | 01/11/2017 | 50.0                          | 50.0                        |                   |

FORM 15-IN  
INITIAL CALIBRATION

Lab Name: LB85288 Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: LB85288 MA No.: \_\_\_\_\_ SDG No.: LB85288  
Instrument ID: CN Start Date: 01/11/2017  
Analytical Method: \_\_\_\_\_ Run Batch: LB85288.mdb  
Concentration Units: ug/L

| Analyte | True | Found | %D | True | Found | %D | True | Found | %D |
|---------|------|-------|----|------|-------|----|------|-------|----|
| Cyanide | 0    | 0.33  | 0  | 5    | 5.1   | 2  | 10   | 9.8   | -2 |

FORM 15-IN  
INITIAL CALIBRATION

Lab Name: LB85288 Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: LB85288 MA No.: \_\_\_\_\_ SDG No.: LB85288  
Instrument ID: CN Start Date: 01/11/2017  
Analytical Method: \_\_\_\_\_ Run Batch: LB85288.mdb  
Concentration Units: ug/L

| Analyte | True | Found | %D | True | Found | %D | True | Found | %D |
|---------|------|-------|----|------|-------|----|------|-------|----|
| Cyanide | 100  | 101   | 1  | 250  | 249   | 0  | 500  | 501   | 0  |



## Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** LB85288

SDG No.: LB85288Contract: \_\_\_\_\_ Lab Code: CHEM

**Case No.:** LB85288

**SAS No.:** LB85288

**Initial Calibration Source:** \_\_\_\_\_

**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID | Analyte | Result | True Value | % Recovery | % RSD | Acceptance Window (%R) | M  | Analysis Date | Analysis Time | Run Number |
|-----------|---------|--------|------------|------------|-------|------------------------|----|---------------|---------------|------------|
|           |         | ug/L   |            |            |       |                        |    |               |               |            |
| ICV       | Cyanide | 95.6   | 99         | 97         | 0     | 85 - 115               | CN | 01/11/2017    | 14:53         | LB85288    |



## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB85288

SDG No.: LB85288

Contract: \_\_\_\_\_ Lab Code: CHEM

Case No.: LB85288

SAS No.: LB85288

Initial Calibration Source: \_\_\_\_\_

Continuing Calibration Source: \_\_\_\_\_

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | %<br>RSD | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|----------|---------------------------|----|------------------|------------------|---------------|
| CCV001    | Cyanide | 237            | 250        | 95            | 0        | 85 - 115                  | CN | 01/11/2017       | 14:53            | LB85288       |
| CCV002    | Cyanide | 250            | 250        | 100           | 0        | 85 - 115                  | CN | 01/11/2017       | 15:05            | LB85288       |



**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** LB85288 **SDG No.:** LB85288  
**Contract:**                      **Lab Code:** CHEM **Case No.:** LB85288 **SAS No.:** LB85288

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|------|----|------------------|------------------|---------------|
| ICB       | Cyanide | 1.5            | +/-10.0             | U            | 5.0 | 10.0 | CN | 01/11/2017       | 14:53            | LB85288       |



## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB85288

SDG No.: LB85288

**Contract:**

Lab Code: CHEM

**Case No.:** LB85288

**SAS No.:** LB85288

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|------|----|------------------|------------------|---------------|
| CCB001    | Cyanide | 0.72           | +/-10.0             | U            | 5.0 | 10.0 | CN | 01/11/2017       | 14:53            | LB85288       |
| CCB002    | Cyanide | 0.51           | +/-10.0             | U            | 5.0 | 10.0 | CN | 01/11/2017       | 15:05            | LB85288       |



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85288

SDG No.: LB85288

Contract: Lab Code: CHEM

Case No.: LB85288

SAS No.: LB85288

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|
|-----------|---------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|



SDG No.: LB85288

Instrument: CN

| Sample ID | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual  | LOD<br>ug/L | CRQL<br>ug/L | M  | Analysis<br>Date | Analysis<br>Time | Run     |
|-----------|---------|------------------|---------------------|---------------|-------------|--------------|----|------------------|------------------|---------|
| PB95923BL |         | WATER            |                     | Batch Number: |             | PB95923      |    | Prep Date:       | 01/11/2017       |         |
|           | Cyanide | 0.61             | <10                 | U             | 5.0         | 10           | CN | 01/11/2017       | 14:53            | LB85288 |



metals  
- 5a -  
MATRIX SPIKE SUMMARY

client: LB85288 level: low sdg no.: LB85288  
contract: lab code: CHEM case no.: LB85288 sas no.: LB85288  
matrix: WATER sample id: I1062-12 client id: MDA974S  
Percent Solids for Sample: 0 Spiked ID: I1062-14 Percent Solids for Spike Sample: 0

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Cyanide | ug/L  | 75 - 125               | 91.3             |   | 10.0             | U | 100            | 91            |      | CN |



Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB85288 Level: LOW SDG No.: LB85288  
Contract: Lab Code: CHEM Case No.: LB85288 SAS No.: LB85288  
Matrix: WATER Sample ID: I1062-12 Client ID: MDA974D  
Percent Solids for Sample: 0 Duplicate ID I1062-13 Percent Solids for Spike Sample: 0

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Cyanide | ug/L  | 20               | 10.0          | U | 0.32             | U |     |      | CN |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”