

**Daily Analysis Runlog For Sequence/QC Batch ID # LB95497**

|               |              |                                                         |        |                |         |        |
|---------------|--------------|---------------------------------------------------------|--------|----------------|---------|--------|
| Review By     |              | Review On                                               |        |                |         |        |
| SubDirectory  |              | LB95497                                                 |        | Test : Cyanide |         |        |
| STD. NAME     |              | STD REF.#                                               |        |                |         |        |
| ICAL Standard |              | WP64604,WP64605,WP64606,WP64607,WP64608,WP64609,WP64610 |        |                |         |        |
| ICV Standard  |              | W1542                                                   |        |                |         |        |
| CCV Standard  |              | WP64611                                                 |        |                |         |        |
| ICSA Standard |              | N/A                                                     |        |                |         |        |
| CRI Standard  |              | N/A                                                     |        |                |         |        |
| LCS Standard  |              | WP62802                                                 |        |                |         |        |
| Chk Standard  |              | WP64613,WP59958,WP60878                                 |        |                |         |        |
| Sr#           | SampleID     | ClientID                                                | QcType | Date           | Comment | Status |
| 1             | 0.0PPBCN     | 0.0PPBCN                                                | CAL1   | 05/18/18 10:40 |         | OK     |
| 2             | 5.0PPBCN     | 5.0PPBCN                                                | CAL2   | 05/18/18 10:40 |         | OK     |
| 3             | 10PPBCN      | 10PPBCN                                                 | CAL3   | 05/18/18 10:40 |         | OK     |
| 4             | 50PPBCN      | 50PPBCN                                                 | CAL4   | 05/18/18 10:40 |         | OK     |
| 5             | 100PPBCN     | 100PPBCN                                                | CAL5   | 05/18/18 10:40 |         | OK     |
| 6             | 250PPBCN     | 250PPBCN                                                | CAL6   | 05/18/18 10:40 |         | OK     |
| 7             | 500PPBCN     | 500PPBCN                                                | CAL7   | 05/18/18 10:40 |         | OK     |
| 8             | ICV1         | ICV1                                                    | ICV    | 05/18/18 13:23 |         | OK     |
| 9             | ICB1         | ICB1                                                    | ICB    | 05/18/18 13:23 |         | OK     |
| 10            | CCV1         | CCV1                                                    | CCV    | 05/18/18 13:23 |         | OK     |
| 11            | CCB1         | CCB1                                                    | CCB    | 05/18/18 13:23 |         | OK     |
| 12            | PB109437BL   | PB109437BL                                              | MB     | 05/18/18 13:23 |         | OK     |
| 13            | PB109437BS   | PB109437BS                                              | LCS    | 05/18/18 13:23 |         | OK     |
| 14            | LOWPB109437  | LOWPB109437                                             | SAM    | 05/18/18 13:24 |         | OK     |
| 15            | HIGHPB109437 | HIGHPB109437                                            | SAM    | 05/18/18 13:24 |         | OK     |
| 16            | J2673-01     | JC-03-051718-A                                          | SAM    | 05/18/18 13:24 |         | OK     |
| 17            | J2673-01DUP  | JC-03-051718-ADUP                                       | DUP    | 05/18/18 13:24 |         | OK     |
| 18            | J2673-01MS   | JC-03-051718-AMS                                        | MS     | 05/18/18 13:24 |         | OK     |
| 19            | J2673-01MSD  | JC-03-051718-AMSD                                       | MSD    | 05/18/18 13:31 |         | OK     |
| 20            | J2673-03     | JC-03-051718-B                                          | SAM    | 05/18/18 13:31 |         | OK     |
| 21            | J2673-05     | JC-03-051718-C                                          | SAM    | 05/18/18 13:31 |         | OK     |

**Daily Analysis Runlog For Sequence/QC Batch ID # LB95497**

|               |          |                                                         |     |                |  |    |
|---------------|----------|---------------------------------------------------------|-----|----------------|--|----|
| Review By     |          | Review On                                               |     |                |  |    |
| SubDirectory  |          | LB95497                                                 |     | Test : Cyanide |  |    |
| STD. NAME     |          | STD REF.#                                               |     |                |  |    |
| ICAL Standard |          | WP64604,WP64605,WP64606,WP64607,WP64608,WP64609,WP64610 |     |                |  |    |
| ICV Standard  |          | W1542                                                   |     |                |  |    |
| CCV Standard  |          | WP64611                                                 |     |                |  |    |
| ICSA Standard |          | N/A                                                     |     |                |  |    |
| CRI Standard  |          | N/A                                                     |     |                |  |    |
| LCS Standard  |          | WP62802                                                 |     |                |  |    |
| Chk Standard  |          | WP64613,WP59958,WP60878                                 |     |                |  |    |
| 22            | CCV2     | CCV2                                                    | CCV | 05/18/18 13:31 |  | OK |
| 23            | CCB2     | CCB2                                                    | CCB | 05/18/18 13:31 |  | OK |
| 24            | J2673-07 | JC-03-051718-D                                          | SAM | 05/18/18 13:31 |  | OK |
| 25            | J2673-09 | JC-03-051718-E                                          | SAM | 05/18/18 13:31 |  | OK |
| 26            | J2673-11 | JC-03-051718-F                                          | SAM | 05/18/18 13:31 |  | OK |
| 27            | J2673-13 | JC-03-051718-G                                          | SAM | 05/18/18 13:31 |  | OK |
| 28            | J2673-15 | JC-03-051718-H                                          | SAM | 05/18/18 13:31 |  | OK |
| 29            | J2677-05 | OK-02-051718                                            | SAM | 05/18/18 13:31 |  | OK |
| 30            | J2999-01 | FK-BPM-01-F4-G4-F                                       | SAM | 05/18/18 13:35 |  | OK |
| 31            | CCV3     | CCV3                                                    | CCV | 05/18/18 13:35 |  | OK |
| 32            | CCB3     | CCB3                                                    | CCB | 05/18/18 13:35 |  | OK |



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## Report of Analysis

|                   |              |                 |         |
|-------------------|--------------|-----------------|---------|
| Client:           |              | Date Collected: |         |
| Project:          | LB95497      | Date Received:  |         |
| Client Sample ID: | HIGHPB109437 | SDG No.:        | LB95497 |
| Lab Sample ID:    | HIGHPB109437 | 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   | 0.51  | OR   | 1  | 0.003 |     | 0.005      | mg/L  |           | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-A | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-01       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 90.1                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.55  |      | 1  | 0.035 |     | 0.27       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-B | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-03       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 88.7                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.042 | J    | 1  | 0.036 |     | 0.27       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-C | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-05       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 88                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.058 | J    | 1  | 0.035 |     | 0.26       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-D | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-07       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 85.1                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.094 | J    | 1  | 0.037 |     | 0.28       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-E | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-09       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 87.3                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.047 | J    | 1  | 0.036 |     | 0.27       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-F | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-11       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 87.7                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.12  | J    | 1  | 0.037 |     | 0.28       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |

**Report of Analysis**

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-G | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-13       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 88                    |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.037 | J    | 1  | 0.035 |     | 0.26       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497        | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | JC-03-051718-H | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2673-15       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 86.8                  |

| Cas     | Parameter | Conc.  | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|--------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.0078 | U    | 1  | 0.038 |     | 0.29       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |              |                 |                       |
|-------------------|--------------|-----------------|-----------------------|
| Client:           |              | Date Collected: | 5/17/2018 12:00:00 AM |
| Project:          | LB95497      | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | OK-02-051718 | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2677-05     | Matrix:         | Solid                 |
| Level (low/med):  | low          | % Solid:        | 87.9                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.047 | J    | 1  | 0.035 |     | 0.27       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |                         |                 |                       |
|-------------------|-------------------------|-----------------|-----------------------|
| Client:           |                         | Date Collected: | 5/16/2018 12:00:00 AM |
| Project:          | LB95497                 | Date Received:  | 5/17/2018 12:00:00 AM |
| Client Sample ID: | FK-BPM-01-F4-G4-F4A-G4A | SDG No.:        | LB95497               |
| Lab Sample ID:    | J2999-01                | Matrix:         | Solid                 |
| Level (low/med):  | low                     | % Solid:        | 89.8                  |

| Cas     | Parameter | Conc. | Qua. | DF | MDL   | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|---------|-----------|-------|------|----|-------|-----|------------|-------|------------|------------|----------|
| 57-12-5 | Cyanide   | 0.017 | U    | 1  | 0.034 |     | 0.26       | mg/Kg | 05/18/2018 | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |             |                 |         |
|-------------------|-------------|-----------------|---------|
| Client:           |             | Date Collected: |         |
| Project:          | LB95497     | Date Received:  |         |
| Client Sample ID: | LOWPB109437 | SDG No.:        | LB95497 |
| Lab Sample ID:    | LOWPB109437 | 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   | 0.01  |      | 1  | 0.003 |     | 0.005      | mg/L  |           | 05/18/2018 | 9012B    |



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## Report of Analysis

|                   |             |                 |         |
|-------------------|-------------|-----------------|---------|
| Client:           |             | Date Collected: |         |
| Project:          | LB95497     | Date Received:  |         |
| Client Sample ID: | LOWPB109437 | SDG No.:        | LB95497 |
| Lab Sample ID:    | LOWPB109437 | 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



## GENCHEM

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95497

SDG No.: LB95497

Contract: \_\_\_\_\_

Lab Code: CHEM

Case No.: LB95497

SAS No.: LB95497

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

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

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| Sample ID | Analyte | Result<br>mg/L | True Value | %<br>Recovery | Qual | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|------|---------------------------|---|------------------|------------------|---------------|
| ICV1      | Cyanide | 0.098          | 0.099      | 99            |      | 85 - 115                  |   | 05/18/2018       | 13:23            | lb95497       |

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## GENCHEM

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95497

SDG No.: LB95497

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

Case No.: LB95497

SAS No.: LB95497

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

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

| Sample ID | Analyte | Result<br>mg/L | True Value | %<br>Recovery | Qual | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|------|---------------------------|---|------------------|------------------|---------------|
| CCV1      | Cyanide | 0.24           | 0.25       | 96            |      | 90 - 110                  |   | 05/18/2018       | 13:23            | lb95497       |
| CCV2      | Cyanide | 0.25           | 0.25       | 100           |      | 90 - 110                  |   | 05/18/2018       | 13:31            | lb95497       |
| CCV3      | Cyanide | 0.26           | 0.25       | 104           |      | 90 - 110                  |   | 05/18/2018       | 13:35            | lb95497       |



**GENCHEM**

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB95497

SDG No.: LB95497

**Contract:**

Lab Code: CHEM

**Case No.:** LB95497

**SAS No.:** LB95497

| Sample ID | Analyte | Result<br>mg/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL  | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|-------|---|------------------|------------------|---------------|
| ICB1      | Cyanide | 0.00014        | +/-0.005            | U            |     | 0.005 |   | 05/18/2018       | 13:23            | 1b95497       |



**GENCHEM**

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB95497

SDG No.: LB95497

**Contract:**

Lab Code: CHEM

**Case No.:** LB95497

**SAS No.:** LB95497

| Sample ID | Analyte | Result<br>mg/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL  | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|-------|---|------------------|------------------|---------------|
| CCB1      | Cyanide | -0.0001        | +/-0.005            | U            |     | 0.005 |   | 05/18/2018       | 13:23            | lb95497       |
| CCB2      | Cyanide | 0.00022        | +/-0.005            | U            |     | 0.005 |   | 05/18/2018       | 13:31            | lb95497       |
| CCB3      | Cyanide | 0.00024        | +/-0.005            | U            |     | 0.005 |   | 05/18/2018       | 13:35            | lb95497       |



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95497

SDG No.: LB95497

Contract:

Lab Code: CHEM

Case No.: LB95497

SAS No.: LB95497

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



**GENCHEM**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** LB95497

**SDG No.:** LB95497

**Instrument:** Konelab 20

| Sample ID         | Analyte | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | LOD<br>mg/Kg | CRQL<br>mg/Kg   | M | Analysis<br>Date  | Analysis<br>Time  | Run     |
|-------------------|---------|-------------------|---------------------|----------------------|--------------|-----------------|---|-------------------|-------------------|---------|
| <b>PB109437BL</b> |         | <b>SOLID</b>      |                     | <b>Batch Number:</b> |              | <b>PB109437</b> |   | <b>Prep Date:</b> | <b>05/18/2018</b> |         |
|                   | Cyanide | -0.014            | <0.25               | U                    |              | 0.25            |   | 05/18/2018        | 13:23             | lb95497 |



GENCHEM  
- 5a -  
MATRIX SPIKE SUMMARY

client: LB95497 level: low sdg no.: LB95497  
contract: lab code: CHEM case no.: LB95497 sas no.: LB95497  
matrix: Solid sample id: J2673-01 client id: JC-03-051718-AMS  
Percent Solids for Sample: 90.1 Spiked ID: J2673-01MS Percent Solids for Spike Sample: 90.1

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Cyanide | mg/Kg | 75 - 125               | 1.2              |   | 0.55             |   | 2.1            | 31            | *    |   |



GENCHEM  
- 5a -  
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95497 level: low sdg no.: LB95497  
contract: lab code: CHEM case no.: LB95497 sas no.: LB95497  
matrix: Solid sample id: J2673-01 client id: JC-03-051718-AMSD  
Percent Solids for Sample: 90.1 Spiked ID: J2673-01MSD Percent Solids for Spike Sample: 90.1

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Cyanide | mg/Kg | 75 - 125               | 1.2           |   | 0.55             |   | 2.1            | 31            | *    |   |

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB95497      **Level:** LOW      **SDG No.:** LB95497  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB95497      **SAS No.:** LB95497  
**Matrix:** Solid      **Sample ID:** J2673-01      **Client ID:** JC-03-051718-ADUP  
**Percent Solids for Sample:** 90.1      **Duplicate ID** J2673-01DUP      **Percent Solids for Spike Sample:** 90.1

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|---|
| Cyanide | mg/Kg | 20                  | 0.55             |   | 0.53                |   | 4   |      |   |

# GENCHEM

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** LB95497      **Level:** LOW      **SDG No.:** LB95497  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB95497      **SAS No.:** LB95497  
**Matrix:** Solid      **Sample ID:** J2673-01MS      **Client ID:** JC-03-051718-AMSD  
**Percent Solids for Sample:** 90.1      **Duplicate ID** J2673-01MSD      **Percent Solids for Spike Sample:** 90.1

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|---|
| Cyanide | mg/Kg | 20                  | 1.2              |   | 1.2                 |   | 0   |      |   |



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95497

SDG No.: LB95497

Contract:

Lab Code: CHEM

Case No.: LB95497

SAS No.: LB95497

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|-----------------------|-------|------------|--------|---|---------------|----------------------|---|
| PB109437BS<br>Cyanide | mg/Kg | 5          | 4.8    |   | 96            | 85 - 115             |   |