

CHEMTECH  
284 Sheffield Street,  
Mountainside, NJ 07092  
Reviewed by : AS

12/7/2017 16:20

Test: CNEPA-NEW Mg/d

| Sample Id         | Result  | Dil. 1 + | Response | Errors |
|-------------------|---------|----------|----------|--------|
| ICV ICV           | 95.529  | 0.0      | 0.122    |        |
| ICB ICB           | 1.022   | 0.0      | 0.021    |        |
| CCV001 CCV001     | 242.501 | 0.0      | 0.280    |        |
| CCB001 CCB001     | 1.196   | 0.0      | 0.021    |        |
| PB104785BL PBS006 | 0.643   | 0.0      | 0.021    |        |
| I6711-01 MBE165   | 1.241   | 0.0      | 0.021    |        |
| I6711-02 MBE166   | 2.323   | 0.0      | 0.023    |        |
| I6711-03 MBE167   | 0.105   | 0.0      | 0.020    |        |
| I6711-04 MBE167D  | 1.248   | 0.0      | 0.021    |        |
| I6711-05 MBE167S  | 83.912  | 0.0      | 0.110    |        |
| I6711-06 MBE168   | 2.017   | 0.0      | 0.022    |        |
| I6711-07 MBE169   | 7.542   | 0.0      | 0.028    |        |
| I6711-08 MBE170   | 1.975   | 0.0      | 0.022    |        |
| I6711-09 MBE171   | 4.671   | 0.0      | 0.025    |        |
| I6711-10 MBE172   | 3.008   | 0.0      | 0.023    |        |
| I6711-11 MBE173   | 4.261   | 0.0      | 0.025    |        |
| I6711-12 MBE174   | 3.324   | 0.0      | 0.024    |        |
| I6711-13 MBE175   | 2.234   | 0.0      | 0.022    |        |
| I6711-14 MBE176   | 0.972   | 0.0      | 0.021    |        |
| I6711-16 MBE178   | 1.153   | 0.0      | 0.021    |        |
| I6711-17 MBE179   | 1.476   | 0.0      | 0.022    |        |
| I6711-18 MBE180   | 2.837   | 0.0      | 0.023    |        |
| I6711-19 MBE181   | 2.146   | 0.0      | 0.022    |        |
| I6711-20 MBE182   | 1.933   | 0.0      | 0.022    |        |
| I6711-21 MBE183   | 2.466   | 0.0      | 0.023    |        |
| I6711-22 MBE184   | 4.076   | 0.0      | 0.024    |        |
| PB104789BL PBS006 | 0.458   | 0.0      | 0.021    |        |
| I6712-01 MBE163   | 0.703   | 0.0      | 0.021    |        |
| I6712-02 MBE163D  | 0.354   | 0.0      | 0.020    |        |
| I6712-03 MBE163S  | 85.076  | 0.0      | 0.111    |        |
| I6712-04 MBE1A5   | 0.729   | 0.0      | 0.021    |        |
| I6712-06 MBE1A7   | 1.616   | 0.0      | 0.022    |        |
| I6712-07 MBE1A8   | 1.179   | 0.0      | 0.021    |        |
| I6712-08 MBE1A9   | 1.307   | 0.0      | 0.021    |        |
| I6712-09 MBE1B1   | 0.714   | 0.0      | 0.021    |        |
| I6712-10 MBE1B2   | 2.276   | 0.0      | 0.022    |        |
| I6712-11 MBE185   | 3.840   | 0.0      | 0.024    |        |
| I6712-12 MBE1B0   | 1.293   | 0.0      | 0.021    |        |
| I6711-15 MBE177   | 2.504   | 0.0      | 0.023    |        |
| I6712-05 MBE1A6   | -2.336  | 0.0      | 0.018    |        |
| CCV002 CCV002     | 259.385 | 0.0      | 0.298    |        |
| CCB002 CCB002     | 0.964   | 0.0      | 0.021    |        |

N 42  
Mean 19.902  
SD 56.9732  
CV% 286.27

Aquakem v. 7.2AQ1

Results from time period:

Thu Dec 07 14:28:33 2017

Thu Dec 07 16:16:59 2017

| Sample Id         | Sam/Ctr/c/ | Test short nan | Test type | Result   | Result unit | Result date and time |
|-------------------|------------|----------------|-----------|----------|-------------|----------------------|
| S0.0              | A          | CNEPA-NEW      | P         | 0.4862   | µg/l        | 12/7/2017 14:45:28   |
| S5.0              | A          | CNEPA-NEW      | P         | 5.5288   | µg/l        | 12/7/2017 14:45:29   |
| S10.0             | A          | CNEPA-NEW      | P         | 10.178   | µg/l        | 12/7/2017 14:45:30   |
| S100.0            | A          | CNEPA-NEW      | P         | 100.4962 | µg/l        | 12/7/2017 14:45:31   |
| S250.0            | A          | CNEPA-NEW      | P         | 246.8377 | µg/l        | 12/7/2017 14:45:32   |
| S500.0            | A          | CNEPA-NEW      | P         | 501.473  | µg/l        | 12/7/2017 14:45:33   |
| ICV ICV           | S          | CNEPA-NEW      | P         | 95.5285  | µg/l        | 12/7/2017 15:36:10   |
| ICB ICB           | S          | CNEPA-NEW      | P         | 1.0219   | µg/l        | 12/7/2017 15:36:11   |
| CCV001 CCV001     | S          | CNEPA-NEW      | P         | 242.5013 | µg/l        | 12/7/2017 15:36:14   |
| CCB001 CCB001     | S          | CNEPA-NEW      | P         | 1.196    | µg/l        | 12/7/2017 15:36:15   |
| PB104785BL PBS006 | S          | CNEPA-NEW      | P         | 0.6432   | µg/l        | 12/7/2017 15:36:17   |
| I6711-01 MBE165   | S          | CNEPA-NEW      | P         | 1.2408   | µg/l        | 12/7/2017 15:36:18   |
| I6711-02 MBE166   | S          | CNEPA-NEW      | P         | 2.3226   | µg/l        | 12/7/2017 15:36:19   |
| I6711-03 MBE167   | S          | CNEPA-NEW      | P         | 0.1048   | µg/l        | 12/7/2017 15:43:44   |
| I6711-04 MBE167D  | S          | CNEPA-NEW      | P         | 1.2475   | µg/l        | 12/7/2017 15:43:45   |
| I6711-05 MBE167S  | S          | CNEPA-NEW      | P         | 83.9122  | µg/l        | 12/7/2017 15:43:46   |
| I6711-06 MBE168   | S          | CNEPA-NEW      | P         | 2.0171   | µg/l        | 12/7/2017 15:43:47   |
| I6711-07 MBE169   | S          | CNEPA-NEW      | P         | 7.5422   | µg/l        | 12/7/2017 15:43:48   |
| I6711-08 MBE170   | S          | CNEPA-NEW      | P         | 1.9754   | µg/l        | 12/7/2017 15:43:49   |
| I6711-09 MBE171   | S          | CNEPA-NEW      | P         | 4.6711   | µg/l        | 12/7/2017 15:43:50   |
| I6711-10 MBE172   | S          | CNEPA-NEW      | P         | 3.0083   | µg/l        | 12/7/2017 15:43:51   |
| I6711-11 MBE173   | S          | CNEPA-NEW      | P         | 4.2609   | µg/l        | 12/7/2017 15:43:52   |
| I6711-12 MBE174   | S          | CNEPA-NEW      | P         | 3.3237   | µg/l        | 12/7/2017 15:43:53   |
| I6711-13 MBE175   | S          | CNEPA-NEW      | P         | 2.2338   | µg/l        | 12/7/2017 15:43:54   |
| I6711-14 MBE176   | S          | CNEPA-NEW      | P         | 0.9715   | µg/l        | 12/7/2017 15:51:17   |
| I6711-16 MBE178   | S          | CNEPA-NEW      | P         | 1.1529   | µg/l        | 12/7/2017 15:51:19   |
| I6711-17 MBE179   | S          | CNEPA-NEW      | P         | 1.4759   | µg/l        | 12/7/2017 15:51:20   |
| I6711-18 MBE180   | S          | CNEPA-NEW      | P         | 2.8373   | µg/l        | 12/7/2017 15:51:21   |
| I6711-19 MBE181   | S          | CNEPA-NEW      | P         | 2.1463   | µg/l        | 12/7/2017 15:51:22   |
| I6711-20 MBE182   | S          | CNEPA-NEW      | P         | 1.9335   | µg/l        | 12/7/2017 15:51:23   |
| I6711-21 MBE183   | S          | CNEPA-NEW      | P         | 2.4656   | µg/l        | 12/7/2017 15:51:24   |
| I6711-22 MBE184   | S          | CNEPA-NEW      | P         | 4.0763   | µg/l        | 12/7/2017 15:51:25   |
| PB104789BL PBS006 | S          | CNEPA-NEW      | P         | 0.4579   | µg/l        | 12/7/2017 15:51:26   |
| I6712-01 MBE163   | S          | CNEPA-NEW      | P         | 0.7032   | µg/l        | 12/7/2017 15:51:27   |
| I6712-02 MBE163D  | S          | CNEPA-NEW      | P         | 0.3544   | µg/l        | 12/7/2017 15:58:52   |
| I6712-03 MBE163S  | S          | CNEPA-NEW      | P         | 85.0756  | µg/l        | 12/7/2017 15:58:53   |
| I6712-04 MBE1A5   | S          | CNEPA-NEW      | P         | 0.729    | µg/l        | 12/7/2017 15:58:54   |
| I6712-06 MBE1A7   | S          | CNEPA-NEW      | P         | 1.6165   | µg/l        | 12/7/2017 15:58:56   |
| I6712-07 MBE1A8   | S          | CNEPA-NEW      | P         | 1.1788   | µg/l        | 12/7/2017 15:58:57   |
| I6712-08 MBE1A9   | S          | CNEPA-NEW      | P         | 1.3066   | µg/l        | 12/7/2017 15:58:58   |
| I6712-09 MBE1B1   | S          | CNEPA-NEW      | P         | 0.7139   | µg/l        | 12/7/2017 15:58:59   |
| I6712-10 MBE1B2   | S          | CNEPA-NEW      | P         | 2.2764   | µg/l        | 12/7/2017 15:59:00   |

As

|                 |   |           |   |              |                    |
|-----------------|---|-----------|---|--------------|--------------------|
| I6712-11 MBE185 | S | CNEPA-NEW | P | 3.8402 µg/l  | 12/7/2017 15:59:01 |
| I6712-12 MBE1B0 | S | CNEPA-NEW | P | 1.2929 µg/l  | 12/7/2017 15:59:02 |
| I6711-15 MBE177 | S | CNEPA-NEW | P | 2.5041 µg/l  | 12/7/2017 16:14:02 |
| I6712-05 MBE1A6 | S | CNEPA-NEW | P | -2.3357 µg/l | 12/7/2017 16:16:57 |
| CCV002 CCV002   | S | CNEPA-NEW | P | 259.385 µg/l | 12/7/2017 16:16:58 |
| CCB002 CCB002   | S | CNEPA-NEW | P | 0.964 µg/l   | 12/7/2017 16:16:59 |

CHEMTECH  
 284 Sheffield Street,  
 Mountainside, NJ 07092  
 Reviewed by : AS

12/7/2017 14:46

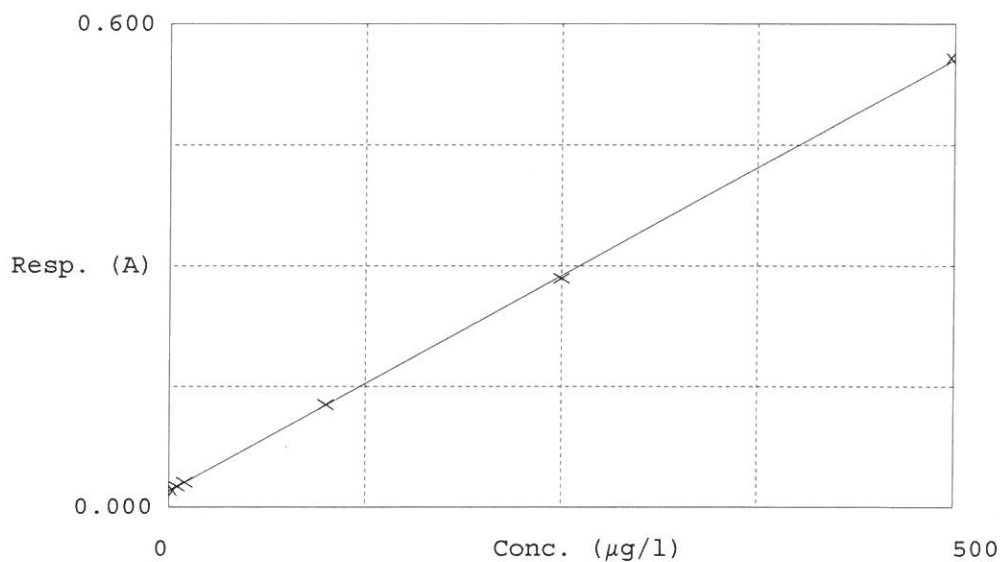
Test CNEPA-NEW (Instrument ID: CN)

Accepted 12/7/2017 14:46

Factor (slope) 933.3  
 Bias (Y-intercept) 0.020

Coeff. of det. 0.999934

Errors



|   | Calibrator       | Response | Calc. con. | Conc.    | Errors<br>Percentage |
|---|------------------|----------|------------|----------|----------------------|
| 1 | 0.0PPBCN \$0.0   | 0.021    | 0.4862     | 0.0000   | -                    |
| 2 | 5.0PPBCN \$5.0   | 0.026    | 5.5288     | 5.0000   | 110.5%               |
| 3 | 10PPBCN \$10.0   | 0.031    | 10.1780    | 10.0000  | 101.7%               |
| 4 | 100PPBCN \$100.0 | 0.128    | 100.4962   | 100.0000 | 100.4%               |
| 5 | 250PPBCN \$250.0 | 0.285    | 246.8377   | 250.0000 | 98.4%                |
| 6 | 500PPBCN \$500.0 | 0.557    | 501.4730   | 500.0000 | 100.2%               |

AS  
 12/08/17