

Test results

Aquakem 7.2AQ1

Page: 1

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

7/18/2018 10:07

Test: Total CN Mg/L

| Sample Id   | Result  | Dil. 1 + | Response | Errors                    |
|-------------|---------|----------|----------|---------------------------|
| ICV1        | 94.727  | 0.0      | 0.092    |                           |
| ICB1        | 1.637   | 0.0      | 0.004    |                           |
| CCV1        | 236.293 | 0.0      | 0.225    |                           |
| CCB1        | 1.255   | 0.0      | 0.004    |                           |
| PB11121BL   | 1.046   | 0.0      | 0.004    |                           |
| PB111211BS  | 96.628  | 0.0      | 0.094    |                           |
| LOWPB111211 | 10.624  | 0.0      | 0.013    |                           |
| HIGHPB11121 | 502.148 | 0.0      | 0.476    | Test limit high, Blank re |
| J4016-02    | 10.827  | 0.0      | 0.013    |                           |
| J4016-02DUP | 10.255  | 0.0      | 0.012    |                           |
| J4016-02MS  | 45.233  | 0.0      | 0.045    |                           |
| J4016-02MSD | 44.773  | 0.0      | 0.045    |                           |
| J4016-08    | 6.416   | 0.0      | 0.009    |                           |
| CCV2        | 237.765 | 0.0      | 0.227    |                           |
| CCB2        | 0.974   | 0.0      | 0.003    |                           |
| J4016-11    | 1.877   | 0.0      | 0.004    |                           |
| J4016-14    | 1.580   | 0.0      | 0.004    |                           |
| J4016-17    | 2.247   | 0.0      | 0.005    |                           |
| J4016-20    | 1.750   | 0.0      | 0.004    |                           |
| J4016-23    | 2.420   | 0.0      | 0.005    |                           |
| J4016-05    | 2.383   | 0.0      | 0.005    |                           |
| CCV3        | 253.348 | 0.0      | 0.241    |                           |
| CCB3        | 1.409   | 0.0      | 0.004    |                           |

|      |          |
|------|----------|
| N    | 23       |
| Mean | 68.157   |
| SD   | 125.1601 |
| CV%  | 183.63   |

CHEMTECH  
284 Sheffield Street,  
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7/18/2018 9:10

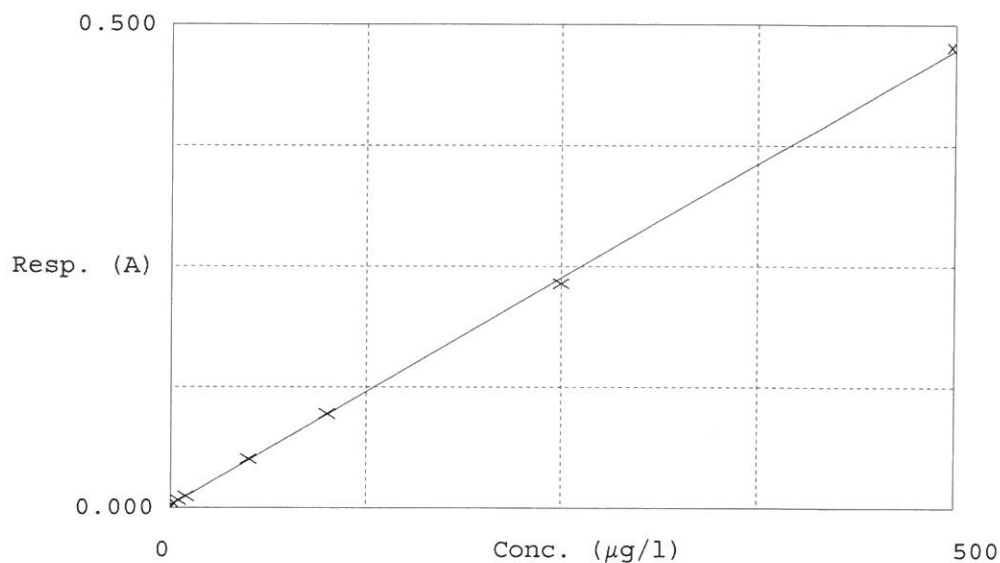
Test Total CN

Accepted 7/18/2018 9:10

Factor 1061  
Bias 0.003

Coeff. of det. 0.999745

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.003    | 0.7966     | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.008    | 5.7979     | 5.0000   |        |
| 3 | 10PPBCN    | 0.012    | 10.1286    | 10.0000  |        |
| 4 | 50PPBCN    | 0.051    | 51.0101    | 50.0000  |        |
| 5 | 100PPBCN   | 0.098    | 100.7230   | 100.0000 |        |
| 6 | 250PPBCN   | 0.232    | 243.6001   | 250.0000 |        |
| 7 | 500PPBCN   | 0.477    | 502.9438   | 500.0000 |        |

AS

Aquakem v. 7.2AQ1

Results from time period:

Wed Jul 18 09:07:08 2018

Wed Jul 18 10:05:24 2018

| Sample Id   | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|-------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.OPPBCN    | A          | Total CN   | P         | 0.7966   | µg/l        | 7/18/2018 9:07:08    |      |
| 5.OPPBCN    | A          | Total CN   | P         | 5.7979   | µg/l        | 7/18/2018 9:07:09    |      |
| 10PPBCN     | A          | Total CN   | P         | 10.1286  | µg/l        | 7/18/2018 9:07:10    |      |
| 50PPBCN     | A          | Total CN   | P         | 51.0101  | µg/l        | 7/18/2018 9:07:11    |      |
| 100PPBCN    | A          | Total CN   | P         | 100.723  | µg/l        | 7/18/2018 9:07:12    |      |
| 250PPBCN    | A          | Total CN   | P         | 243.6001 | µg/l        | 7/18/2018 9:07:13    |      |
| 500PPBCN    | A          | Total CN   | P         | 502.9438 | µg/l        | 7/18/2018 9:07:14    |      |
| ICV1        | S          | Total CN   | P         | 94.7266  | µg/l        | 7/18/2018 9:40:17    |      |
| ICB1        | S          | Total CN   | P         | 1.6374   | µg/l        | 7/18/2018 9:40:18    |      |
| CCV1        | S          | Total CN   | P         | 236.2934 | µg/l        | 7/18/2018 9:40:19    |      |
| CCB1        | S          | Total CN   | P         | 1.2551   | µg/l        | 7/18/2018 9:40:20    |      |
| PB11121BL   | S          | Total CN   | P         | 1.0465   | µg/l        | 7/18/2018 9:40:21    |      |
| PB111211BS  | S          | Total CN   | P         | 96.6278  | µg/l        | 7/18/2018 9:40:22    |      |
| LOWPB111211 | S          | Total CN   | P         | 10.624   | µg/l        | 7/18/2018 9:40:23    |      |
| HIGHPB11121 | S          | Total CN   | P         | 502.1477 | µg/l        | 7/18/2018 9:40:24    |      |
| J4016-02    | S          | Total CN   | P         | 10.827   | µg/l        | 7/18/2018 9:40:25    |      |
| J4016-02DUP | S          | Total CN   | P         | 10.2554  | µg/l        | 7/18/2018 9:40:26    |      |
| J4016-02MS  | S          | Total CN   | P         | 45.2331  | µg/l        | 7/18/2018 9:40:27    |      |
| J4016-02MSD | S          | Total CN   | P         | 44.7729  | µg/l        | 7/18/2018 9:47:52    |      |
| J4016-08    | S          | Total CN   | P         | 6.4158   | µg/l        | 7/18/2018 9:47:54    |      |
| CCV2        | S          | Total CN   | P         | 237.7654 | µg/l        | 7/18/2018 9:47:55    |      |
| CCB2        | S          | Total CN   | P         | 0.9743   | µg/l        | 7/18/2018 9:47:56    |      |
| J4016-11    | S          | Total CN   | P         | 1.8771   | µg/l        | 7/18/2018 9:47:57    |      |
| J4016-14    | S          | Total CN   | P         | 1.58     | µg/l        | 7/18/2018 9:47:58    |      |
| J4016-17    | S          | Total CN   | P         | 2.2468   | µg/l        | 7/18/2018 9:47:59    |      |
| J4016-20    | S          | Total CN   | P         | 1.7495   | µg/l        | 7/18/2018 9:48:00    |      |
| J4016-23    | S          | Total CN   | P         | 2.4198   | µg/l        | 7/18/2018 9:48:01    |      |
| J4016-05    | S          | Total CN   | P         | 2.383    | µg/l        | 7/18/2018 10:05:22   |      |
| CCV3        | S          | Total CN   | P         | 253.3475 | µg/l        | 7/18/2018 10:05:23   |      |
| CCB3        | S          | Total CN   | P         | 1.409    | µg/l        | 7/18/2018 10:05:24   |      |