

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

Instrument ID : Konelab

3/20/2019 10:24

Test: Total CN

| Sample Id   | Result <sup>µg/l</sup> | Dil. 1 + | Response | Errors |
|-------------|------------------------|----------|----------|--------|
| ICV1        | 95.664                 | 0.0      | 0.096    |        |
| ICB1        | -0.108                 | 0.0      | 0.004    |        |
| CCV1        | 239.760                | 0.0      | 0.234    |        |
| CCB1        | 0.061                  | 0.0      | 0.004    |        |
| PB117998BL  | -0.299                 | 0.0      | 0.004    |        |
| K1687-08    | -0.156                 | 0.0      | 0.004    |        |
| K1687-08DUP | -0.229                 | 0.0      | 0.004    |        |
| K1687-10    | -0.183                 | 0.0      | 0.004    |        |
| K1687-12    | -0.318                 | 0.0      | 0.004    |        |
| K1691-10    | -0.243                 | 0.0      | 0.004    |        |
| K1691-12    | -0.164                 | 0.0      | 0.004    |        |
| K1691-14    | 0.190                  | 0.0      | 0.004    |        |
| K1691-16    | 0.535                  | 0.0      | 0.005    |        |
| K1691-18    | 0.262                  | 0.0      | 0.004    |        |
| CCV2        | 241.892                | 0.0      | 0.236    |        |
| CCB2        | 0.155                  | 0.0      | 0.004    |        |
| K1697-10    | -0.072                 | 0.0      | 0.004    |        |
| K1697-12    | -0.163                 | 0.0      | 0.004    |        |
| K1908-02    | 0.365                  | 0.0      | 0.004    |        |
| K1908-04    | -0.038                 | 0.0      | 0.004    |        |
| K1908-06    | -0.084                 | 0.0      | 0.004    |        |
| K1935-05    | -0.401                 | 0.0      | 0.004    |        |
| K1940-01    | 0.087                  | 0.0      | 0.004    |        |
| K1958-02    | -0.158                 | 0.0      | 0.004    |        |
| K1958-04    | -0.316                 | 0.0      | 0.004    |        |
| K1958-06    | 0.123                  | 0.0      | 0.004    |        |
| CCV3        | 242.740                | 0.0      | 0.237    |        |
| CCB3        | 0.123                  | 0.0      | 0.004    |        |
| PB118071BL  | 0.047                  | 0.0      | 0.004    |        |
| K1941-02    | -0.140                 | 0.0      | 0.004    |        |
| K1941-02DUP | -0.040                 | 0.0      | 0.004    |        |
| K1941-05    | -0.132                 | 0.0      | 0.004    |        |
| PB118069BL  | 0.825                  | 0.0      | 0.005    |        |
| K1692-04    | -0.004                 | 0.0      | 0.004    |        |
| K1692-04DUP | -0.090                 | 0.0      | 0.004    |        |
| K1693-10    | -0.248                 | 0.0      | 0.004    |        |
| K1693-12    | -0.062                 | 0.0      | 0.004    |        |
| K1930-04    | 0.257                  | 0.0      | 0.004    |        |
| CCV4        | 243.667                | 0.0      | 0.238    |        |
| CCB4        | -0.149                 | 0.0      | 0.004    |        |
| K1930-08    | 0.066                  | 0.0      | 0.004    |        |
| K1930-13    | -0.155                 | 0.0      | 0.004    |        |
| K1943-11    | -0.056                 | 0.0      | 0.004    |        |
| K1943-12    | -0.326                 | 0.0      | 0.004    |        |
| K1943-13    | -0.020                 | 0.0      | 0.004    |        |
| K1943-14    | -0.037                 | 0.0      | 0.004    |        |
| K1943-15    | -0.098                 | 0.0      | 0.004    |        |
| K1943-16    | -0.027                 | 0.0      | 0.004    |        |
| K1943-17    | 0.023                  | 0.0      | 0.004    |        |
| K1943-18    | 0.057                  | 0.0      | 0.004    |        |
| CCV5        | 243.361                | 0.0      | 0.237    |        |
| CCB5        | -0.022                 | 0.0      | 0.004    |        |
| K1943-19    | 0.071                  | 0.0      | 0.004    |        |
| K1930-17    | -0.200                 | 0.0      | 0.004    |        |
| K1941-08    | -0.150                 | 0.0      | 0.004    |        |

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|              |                |         |
|--------------|----------------|---------|
| Test results | Aquakem 7.2AQ1 | Page: 2 |
|--------------|----------------|---------|

3/20/2019 10:24

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

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Test: Total CN

| Sample Id | Result <i>ug/d</i> | Dil. 1 + | Response | Errors |
|-----------|--------------------|----------|----------|--------|
| CCV6      | 252.286            | 0.0      | 0.246    |        |
| CCB6      | 0.022              | 0.0      | 0.004    |        |

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|      |         |
|------|---------|
| N    | 57      |
| Mean | 27.329  |
| SD   | 76.0344 |
| CV%  | 278.22  |

AS

Aquakem v. 7.2AQ1

Results from time period:

Wed Mar 20 08:23:07 2019

Wed Mar 20 10:18:35 2019

| Sample Id   | Sam/Ctr/c/ | Test short nam | Test type | Result   | Result unit | Result date and time | Stat |
|-------------|------------|----------------|-----------|----------|-------------|----------------------|------|
| 0.0PPBCN    | A          | Reactive CN    | P         | -0.4305  | µg/l        | 3/20/2019 8:23:07    |      |
| 5.0PPBCN    | A          | Reactive CN    | P         | 5.4117   | µg/l        | 3/20/2019 8:23:08    |      |
| 10PPBCN     | A          | Reactive CN    | P         | 9.486    | µg/l        | 3/20/2019 8:23:09    |      |
| 50PPBCN     | A          | Reactive CN    | P         | 49.495   | µg/l        | 3/20/2019 8:23:10    |      |
| 100PPBCN    | A          | Reactive CN    | P         | 100.206  | µg/l        | 3/20/2019 8:23:11    |      |
| 250PPBCN    | A          | Reactive CN    | P         | 251.633  | µg/l        | 3/20/2019 8:23:12    |      |
| 500PPBCN    | A          | Reactive CN    | P         | 499.199  | µg/l        | 3/20/2019 8:23:13    |      |
| ICV1        | S          | Reactive CN    | P         | 95.6645  | µg/l        | 3/20/2019 9:03:12    |      |
| ICB1        | S          | Reactive CN    | P         | -0.1077  | µg/l        | 3/20/2019 9:03:13    |      |
| CCV1        | S          | Reactive CN    | P         | 239.7597 | µg/l        | 3/20/2019 9:03:14    |      |
| CCB1        | S          | Reactive CN    | P         | 0.0609   | µg/l        | 3/20/2019 9:03:15    |      |
| PB117998BL  | S          | Reactive CN    | P         | -0.2987  | µg/l        | 3/20/2019 9:03:16    |      |
| K1687-08    | S          | Reactive CN    | P         | -0.156   | µg/l        | 3/20/2019 9:03:17    |      |
| K1687-08DUP | S          | Reactive CN    | P         | -0.2286  | µg/l        | 3/20/2019 9:03:18    |      |
| K1687-10    | S          | Reactive CN    | P         | -0.1831  | µg/l        | 3/20/2019 9:03:19    |      |
| K1687-12    | S          | Reactive CN    | P         | -0.3178  | µg/l        | 3/20/2019 9:03:20    |      |
| K1691-10    | S          | Reactive CN    | P         | -0.2431  | µg/l        | 3/20/2019 9:03:21    |      |
| K1691-12    | S          | Reactive CN    | P         | -0.1638  | µg/l        | 3/20/2019 9:03:22    |      |
| K1691-14    | S          | Reactive CN    | P         | 0.1896   | µg/l        | 3/20/2019 9:10:47    |      |
| K1691-16    | S          | Reactive CN    | P         | 0.5348   | µg/l        | 3/20/2019 9:10:48    |      |
| K1691-18    | S          | Reactive CN    | P         | 0.2621   | µg/l        | 3/20/2019 9:10:49    |      |
| CCV2        | S          | Reactive CN    | P         | 241.8922 | µg/l        | 3/20/2019 9:10:50    |      |
| CCB2        | S          | Reactive CN    | P         | 0.1548   | µg/l        | 3/20/2019 9:10:51    |      |
| K1697-10    | S          | Reactive CN    | P         | -0.0721  | µg/l        | 3/20/2019 9:10:52    |      |
| K1697-12    | S          | Reactive CN    | P         | -0.1634  | µg/l        | 3/20/2019 9:10:53    |      |
| K1908-02    | S          | Reactive CN    | P         | 0.365    | µg/l        | 3/20/2019 9:10:54    |      |
| K1908-04    | S          | Reactive CN    | P         | -0.0379  | µg/l        | 3/20/2019 9:10:55    |      |
| K1908-06    | S          | Reactive CN    | P         | -0.0837  | µg/l        | 3/20/2019 9:10:56    |      |
| K1935-05    | S          | Reactive CN    | P         | -0.4013  | µg/l        | 3/20/2019 9:10:57    |      |
| K1940-01    | S          | Reactive CN    | P         | 0.0871   | µg/l        | 3/20/2019 9:18:22    |      |
| K1958-02    | S          | Reactive CN    | P         | -0.1584  | µg/l        | 3/20/2019 9:18:23    |      |
| K1958-04    | S          | Reactive CN    | P         | -0.3156  | µg/l        | 3/20/2019 9:18:24    |      |
| K1958-06    | S          | Reactive CN    | P         | 0.1229   | µg/l        | 3/20/2019 9:18:25    |      |
| CCV3        | S          | Reactive CN    | P         | 242.7405 | µg/l        | 3/20/2019 9:18:26    |      |
| CCB3        | S          | Reactive CN    | P         | 0.123    | µg/l        | 3/20/2019 9:18:27    |      |
| PB118071BL  | S          | Reactive CN    | P         | 0.0465   | µg/l        | 3/20/2019 9:18:28    |      |
| K1941-02    | S          | Reactive CN    | P         | -0.1397  | µg/l        | 3/20/2019 9:18:29    |      |
| K1941-02DUP | S          | Reactive CN    | P         | -0.0404  | µg/l        | 3/20/2019 9:18:30    |      |
| K1941-05    | S          | Reactive CN    | P         | -0.132   | µg/l        | 3/20/2019 9:18:31    |      |
| PB118069BL  | S          | Reactive CN    | P         | 0.8245   | µg/l        | 3/20/2019 9:18:32    |      |
| K1692-04    | S          | Reactive CN    | P         | -0.004   | µg/l        | 3/20/2019 9:25:54    |      |
| K1692-04DUP | S          | Reactive CN    | P         | -0.0899  | µg/l        | 3/20/2019 9:25:55    |      |

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|          |   |             |   |               |                    |
|----------|---|-------------|---|---------------|--------------------|
| K1693-10 | S | Reactive CN | P | -0.2484 µg/l  | 3/20/2019 9:25:56  |
| K1693-12 | S | Reactive CN | P | -0.062 µg/l   | 3/20/2019 9:25:57  |
| K1930-04 | S | Reactive CN | P | 0.2568 µg/l   | 3/20/2019 9:25:58  |
| CCV4     | S | Reactive CN | P | 243.6674 µg/l | 3/20/2019 9:25:59  |
| CCB4     | S | Reactive CN | P | -0.1494 µg/l  | 3/20/2019 9:26:00  |
| K1930-08 | S | Reactive CN | P | 0.0657 µg/l   | 3/20/2019 9:26:01  |
| K1930-13 | S | Reactive CN | P | -0.1548 µg/l  | 3/20/2019 9:26:02  |
| K1943-11 | S | Reactive CN | P | -0.0558 µg/l  | 3/20/2019 9:26:03  |
| K1943-12 | S | Reactive CN | P | -0.3259 µg/l  | 3/20/2019 9:26:04  |
| K1943-13 | S | Reactive CN | P | -0.0203 µg/l  | 3/20/2019 9:33:29  |
| K1943-14 | S | Reactive CN | P | -0.0369 µg/l  | 3/20/2019 9:33:30  |
| K1943-15 | S | Reactive CN | P | -0.098 µg/l   | 3/20/2019 9:33:31  |
| K1943-16 | S | Reactive CN | P | -0.0275 µg/l  | 3/20/2019 9:33:32  |
| K1943-17 | S | Reactive CN | P | 0.0235 µg/l   | 3/20/2019 9:33:33  |
| K1943-18 | S | Reactive CN | P | 0.0573 µg/l   | 3/20/2019 9:33:34  |
| CCV5     | S | Reactive CN | P | 243.3607 µg/l | 3/20/2019 9:33:35  |
| CCB5     | S | Reactive CN | P | -0.0215 µg/l  | 3/20/2019 9:33:36  |
| K1943-19 | S | Reactive CN | P | 0.0706 µg/l   | 3/20/2019 9:33:37  |
| K1930-17 | S | Reactive CN | P | -0.2005 µg/l  | 3/20/2019 10:18:32 |
| K1941-08 | S | Reactive CN | P | -0.1503 µg/l  | 3/20/2019 10:18:33 |
| CCV6     | S | Reactive CN | P | 252.2862 µg/l | 3/20/2019 10:18:34 |
| CCB6     | S | Reactive CN | P | 0.0223 µg/l   | 3/20/2019 10:18:35 |

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

Instrument ID : Konelab

3/20/2019 8:24

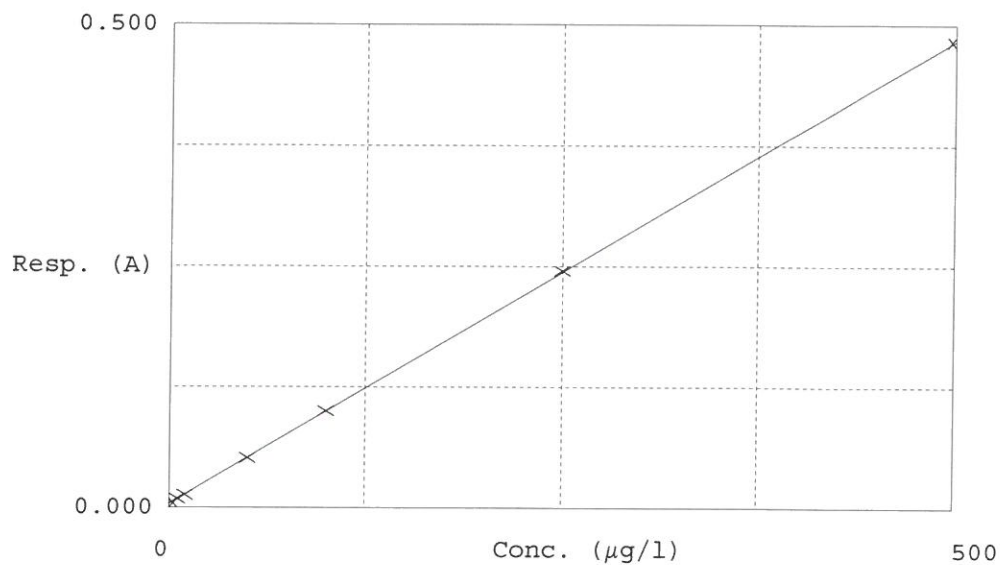
Test Total CN

Accepted 3/20/2019 8:24

Factor 1043  
Bias 0.004

Coeff. of det. 0.999979

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.004    | -0.4305    | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.009    | 5.4117     | 5.0000   |        |
| 3 | 10PPBCN    | 0.013    | 9.4860     | 10.0000  |        |
| 4 | 50PPBCN    | 0.052    | 49.4950    | 50.0000  |        |
| 5 | 100PPBCN   | 0.100    | 100.2060   | 100.0000 |        |
| 6 | 250PPBCN   | 0.245    | 251.6330   | 250.0000 |        |
| 7 | 500PPBCN   | 0.483    | 499.1990   | 500.0000 |        |