

LB88352

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

6/26/2017 15:18

 Test: Reactive Total CN

Sample Id	Result	Dil. 1 +	Response	Errors

ICV1	104.599	0.0	0.097	
ICB1	0.211	0.0	0.005	
CCV1	246.171	0.0	0.222	
CCB1	-0.343	0.0	0.004	
PB100091BL	-0.500	0.0	0.004	
I3868-03	-0.761	0.0	0.004	
I3868-03DUP	-1.217	0.0	0.003	
I3868-06	-0.614	0.0	0.004	
I3868-09	-0.834	0.0	0.004	
I3868-12	-1.012	0.0	0.004	
I3868-15	-0.645	0.0	0.004	
I3872-03	-0.812	0.0	0.004	
I3872-06	-1.140	0.0	0.003	
I3872-09	0.094	0.0	0.005	
CCV2	247.128	0.0	0.223	
CCB2	0.632	0.0	0.005	
PB100092BL	-0.483	0.0	0.004	
I3867-02	-0.825	0.0	0.004	
I3867-02DUP	-0.736	0.0	0.004	
PB100136BL	-0.243	0.0	0.004	
I3852-19	-0.658	0.0	0.004	
I3852-19DUP	-0.904	0.0	0.004	
I3852-20	-1.068	0.0	0.004	
I3852-21	-0.968	0.0	0.004	
I3852-22	-0.607	0.0	0.004	
I3852-23	0.315	0.0	0.005	
CCV3	250.629	0.0	0.226	
CCB3	-0.251	0.0	0.004	
I3852-24	-0.762	0.0	0.004	
I3852-25	-0.408	0.0	0.004	
I3852-26	-0.494	0.0	0.004	
I3852-27	-0.657	0.0	0.004	
I3852-28	-0.844	0.0	0.004	
I3852-29	-1.046	0.0	0.004	
I3852-30	-0.365	0.0	0.004	
I3852-31	-0.792	0.0	0.004	
I3852-32	-0.226	0.0	0.004	
I3852-33	-0.590	0.0	0.004	
CCV4	252.799	0.0	0.228	
CCB4	-0.321	0.0	0.004	
I3852-34	-0.529	0.0	0.004	
I3852-35	-0.564	0.0	0.004	
I3852-36	-0.501	0.0	0.004	
PB100161BL	-0.492	0.0	0.004	
I3874-04	-0.861	0.0	0.004	
I3874-04DUP	-0.943	0.0	0.004	
I3874-05	-0.971	0.0	0.004	
I3874-06	-0.430	0.0	0.004	
I3885-01	-0.604	0.0	0.004	
I3897-03	-0.718	0.0	0.004	
CCV5	257.053	0.0	0.231	
CCB5	-0.043	0.0	0.004	
I3898-09	-0.254	0.0	0.004	
I3899-07	-0.286	0.0	0.004	
I3904-01	-0.823	0.0	0.004	

Test results

Aquakem 7.2AQ1

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CHEMTECH

284 Sheffield Street,
Mountainside, NJ 07092

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6/26/2017 15:18

Test: ~~Total CN~~

Reactive
MSIL

Sample Id	Result	Dil. 1 +	Response	Errors
I3906-03	-1.170	0.0	0.003	
I3906-06	-0.849	0.0	0.004	
I3906-09	-0.495	0.0	0.004	
I3911-03	-0.645	0.0	0.004	
I3912-03	-0.961	0.0	0.004	
I3913-03	-0.555	0.0	0.004	
PB100162BL	0.086	0.0	0.005	
CCV6	257.304	0.0	0.232	
CCB6	0.148	0.0	0.005	
I3885-02	-0.566	0.0	0.004	
I3885-02DUP	-0.756	0.0	0.004	
I3898-02	-0.864	0.0	0.004	
CCV7	265.427	0.0	0.239	
CCB7	-0.067	0.0	0.004	

N	69
Mean	26.761
SD	77.9028
CV%	291.10

Aquakem v. 7.2AQ1

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Results from time period:

Mon Jun 26 14:21:31 2017

Mon Jun 26 15:16:28 2017

Sample Id	Sam/Ctr/c	Test short na	Test type	Result	Result unit	Result date and time
0.0PPBCN	A	Reactive CN	P	-0.7785	µg/l	6/26/2017 9:12:10
5.0PPBCN	A	Reactive CN	P	3.8485	µg/l	6/26/2017 9:12:11
10PPBCN	A	Reactive CN	P	8.2971	µg/l	6/26/2017 9:12:12
50PPBCN	A	Reactive CN	P	48.4514	µg/l	6/26/2017 9:12:13
100PPBCN	A	Reactive CN	P	99.7297	µg/l	6/26/2017 9:12:14
250PPBCN	A	Reactive CN	P	260.3945	µg/l	6/26/2017 9:12:15
500PPBCN	A	Reactive CN	P	495.0573	µg/l	6/26/2017 9:12:16
ICV1	S	Reactive CN	P	104.5986	µg/l	6/26/2017 14:21:31
ICB1	S	Reactive CN	P	0.2105	µg/l	6/26/2017 14:21:32
CCV1	S	Reactive CN	P	246.1707	µg/l	6/26/2017 14:21:33
CCB1	S	Reactive CN	P	-0.3433	µg/l	6/26/2017 14:21:34
PB100091BL	S	Reactive CN	P	-0.4998	µg/l	6/26/2017 14:21:35
I3868-03	S	Reactive CN	P	-0.7612	µg/l	6/26/2017 14:21:36
I3868-03DUP	S	Reactive CN	P	-1.2172	µg/l	6/26/2017 14:21:37
I3868-06	S	Reactive CN	P	-0.6137	µg/l	6/26/2017 14:21:38
I3868-09	S	Reactive CN	P	-0.8337	µg/l	6/26/2017 14:21:39
I3868-12	S	Reactive CN	P	-1.0118	µg/l	6/26/2017 14:21:40
I3868-15	S	Reactive CN	P	-0.6448	µg/l	6/26/2017 14:21:41
I3872-03	S	Reactive CN	P	-0.8122	µg/l	6/26/2017 14:29:06
I3872-06	S	Reactive CN	P	-1.1398	µg/l	6/26/2017 14:29:07
I3872-09	S	Reactive CN	P	0.0943	µg/l	6/26/2017 14:29:08
CCV2	S	Reactive CN	P	247.1275	µg/l	6/26/2017 14:29:09
CCB2	S	Reactive CN	P	0.632	µg/l	6/26/2017 14:29:10
PB100092BL	S	Reactive CN	P	-0.4834	µg/l	6/26/2017 14:29:11
I3867-02	S	Reactive CN	P	-0.8255	µg/l	6/26/2017 14:29:12
I3867-02DUP	S	Reactive CN	P	-0.7359	µg/l	6/26/2017 14:29:13
PB100136BL	S	Reactive CN	P	-0.2429	µg/l	6/26/2017 14:29:14
I3852-19	S	Reactive CN	P	-0.6583	µg/l	6/26/2017 14:29:15
I3852-19DUP	S	Reactive CN	P	-0.9035	µg/l	6/26/2017 14:29:16
I3852-20	S	Reactive CN	P	-1.0678	µg/l	6/26/2017 14:36:38
I3852-21	S	Reactive CN	P	-0.9683	µg/l	6/26/2017 14:36:39
I3852-22	S	Reactive CN	P	-0.6073	µg/l	6/26/2017 14:36:40
I3852-23	S	Reactive CN	P	0.3153	µg/l	6/26/2017 14:36:41
CCV3	S	Reactive CN	P	250.6292	µg/l	6/26/2017 14:36:42
CCB3	S	Reactive CN	P	-0.2513	µg/l	6/26/2017 14:36:43
I3852-24	S	Reactive CN	P	-0.7616	µg/l	6/26/2017 14:36:44
I3852-25	S	Reactive CN	P	-0.408	µg/l	6/26/2017 14:36:45
I3852-26	S	Reactive CN	P	-0.4937	µg/l	6/26/2017 14:36:46
I3852-27	S	Reactive CN	P	-0.6575	µg/l	6/26/2017 14:36:47
I3852-28	S	Reactive CN	P	-0.844	µg/l	6/26/2017 14:36:48
I3852-29	S	Reactive CN	P	-1.0458	µg/l	6/26/2017 14:44:06
I3852-30	S	Reactive CN	P	-0.3653	µg/l	6/26/2017 14:44:07

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I3852-31	S	Reactive CN	P	-0.7922 µg/l	6/26/2017 14:44:08
I3852-32	S	Reactive CN	P	-0.226 µg/l	6/26/2017 14:44:09
I3852-33	S	Reactive CN	P	-0.5902 µg/l	6/26/2017 14:44:10
CCV4	S	Reactive CN	P	252.7985 µg/l	6/26/2017 14:44:11
CCB4	S	Reactive CN	P	-0.3211 µg/l	6/26/2017 14:44:12
I3852-34	S	Reactive CN	P	-0.5291 µg/l	6/26/2017 14:44:13
I3852-35	S	Reactive CN	P	-0.5639 µg/l	6/26/2017 14:44:14
I3852-36	S	Reactive CN	P	-0.5011 µg/l	6/26/2017 14:44:15
PB100161BL	S	Reactive CN	P	-0.4924 µg/l	6/26/2017 15:04:33
I3874-04	S	Reactive CN	P	-0.8611 µg/l	6/26/2017 15:04:34
I3874-04DUP	S	Reactive CN	P	-0.9433 µg/l	6/26/2017 15:04:35
I3874-05	S	Reactive CN	P	-0.9709 µg/l	6/26/2017 15:04:36
I3874-06	S	Reactive CN	P	-0.4297 µg/l	6/26/2017 15:04:37
I3885-01	S	Reactive CN	P	-0.6043 µg/l	6/26/2017 15:04:38
I3897-03	S	Reactive CN	P	-0.7178 µg/l	6/26/2017 15:04:39
CCV5	S	Reactive CN	P	257.0529 µg/l	6/26/2017 15:04:40
CCB5	S	Reactive CN	P	-0.0432 µg/l	6/26/2017 15:04:41
I3898-09	S	Reactive CN	P	-0.2542 µg/l	6/26/2017 15:04:42
I3899-07	S	Reactive CN	P	-0.2864 µg/l	6/26/2017 15:04:43
I3904-01	S	Reactive CN	P	-0.8232 µg/l	6/26/2017 15:12:06
I3906-03	S	Reactive CN	P	-1.1701 µg/l	6/26/2017 15:12:07
I3906-06	S	Reactive CN	P	-0.8486 µg/l	6/26/2017 15:12:08
I3906-09	S	Reactive CN	P	-0.4949 µg/l	6/26/2017 15:12:09
I3911-03	S	Reactive CN	P	-0.6455 µg/l	6/26/2017 15:12:10
I3912-03	S	Reactive CN	P	-0.961 µg/l	6/26/2017 15:12:11
I3913-03	S	Reactive CN	P	-0.5546 µg/l	6/26/2017 15:12:12
PB100162BL	S	Reactive CN	P	0.0864 µg/l	6/26/2017 15:12:13
CCV6	S	Reactive CN	P	257.3044 µg/l	6/26/2017 15:12:14
CCB6	S	Reactive CN	P	0.1479 µg/l	6/26/2017 15:12:15
I3885-02	S	Reactive CN	P	-0.5663 µg/l	6/26/2017 15:12:16
I3885-02DUP	S	Reactive CN	P	-0.7556 µg/l	6/26/2017 15:16:25
I3898-02	S	Reactive CN	P	-0.8643 µg/l	6/26/2017 15:16:26
CCV7	S	Reactive CN	P	265.4267 µg/l	6/26/2017 15:16:27
CCB7	S	Reactive CN	P	-0.0674 µg/l	6/26/2017 15:16:28

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Calibration results

Aquakem 7.2AQ1

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CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
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6/26/2017 9:16

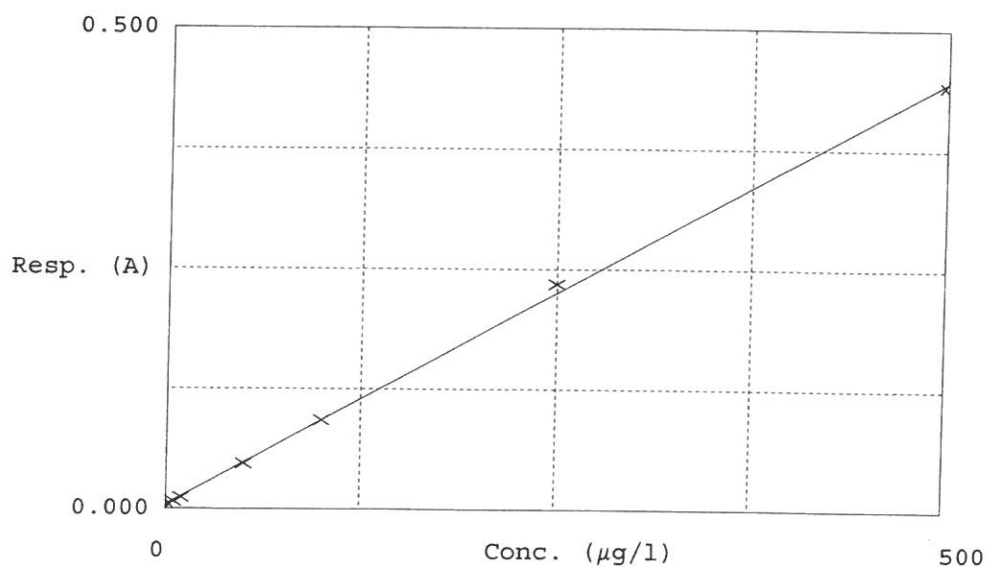
Test Total CN

Accepted 6/26/2017 9:16

Factor 1132
Bias 0.004

Coeff. of det. 0.999320

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.004	-0.7785	0.0000	
2	5.0PPBCN	0.008	3.8485	5.0000	
3	10PPBCN	0.012	8.2971	10.0000	
4	50PPBCN	0.047	48.4514	50.0000	
5	100PPBCN	0.093	99.7297	100.0000	
6	250PPBCN	0.234	260.3945	250.0000	
7	500PPBCN	0.442	495.0573	500.0000	