

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

8/27/2018 12:39

Test: TKN-NH3mgd

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	4.927	0.0	1.091	
ICB1	0.179	0.0	0.045	
CCV1	4.814	0.0	1.066	
CCB1	0.183	0.0	0.046	
PB112372BL	0.181	0.0	0.046	
PB112372BS	4.898	0.0	1.085	
J4623-01	0.922	0.0	0.209	
J4623-01DUP	0.908	0.0	0.206	
J4623-01MS	5.539	0.0	1.226	
J4623-01MSD	5.557	0.0	1.230	
J4623-02	0.856	0.0	0.194	
J4623-03	0.822	0.0	0.187	
J4623-04	0.707	0.0	0.161	
J4623-05	0.796	0.0	0.181	
CCV2	4.826	0.0	1.069	
CCB2	0.188	0.0	0.047	
J4623-06	1.117	0.0	0.252	
J4623-07	0.466	0.0	0.108	
J4623-08	1.396	0.0	0.313	
J4623-09	0.876	0.0	0.199	
J4623-10	0.755	0.0	0.172	
J4623-11	0.900	0.0	0.204	
J4623-12	0.766	0.0	0.174	
J4623-13	0.771	0.0	0.176	
J4623-14	0.766	0.0	0.174	
J4623-15	0.812	0.0	0.185	
CCV3	4.800	0.0	1.063	
CCB3	0.192	0.0	0.048	
J4623-16	1.284	0.0	0.289	
J4623-17	1.126	0.0	0.254	
J4623-18	1.037	0.0	0.234	
J4623-19	0.571	0.0	0.131	
PB112320BL	0.255	0.0	0.062	
PB112320BS	5.098	0.0	1.129	
J4295-01	6.446	0.0	1.426	
J4295-01DUP	6.291	0.0	1.392	
J4295-01MS	8.150	0.0	1.802	
J4295-01MSD	8.215	0.0	1.816	
CCV4	5.002	0.0	1.108	
CCB4	0.421	0.0	0.098	
J4534-01	45.575	0.0	10.049	Abs. high, Init abs., Tes
J4534-02	1.095	0.0	0.247	
J4595-11	45.569	0.0	10.048	Abs. high, Init abs., Tes
J4595-12	45.577	0.0	10.050	Abs. high, Init abs., Tes
J4595-13	45.576	0.0	10.050	Abs. high, Init abs., Tes
J4595-14	45.569	0.0	10.048	Abs. high, Init abs., Tes
J4595-15	45.576	0.0	10.050	Abs. high, Init abs., Tes
CCV5	4.830	0.0	1.070	
CCB5	0.236	0.0	0.058	
J4625-09	2.630	0.0	0.585	
J4625-10	1.709	0.0	0.382	
J4625-11	1.021	0.0	0.231	
J4625-12	1.170	0.0	0.263	
J4625-13	0.719	0.0	0.164	
J4625-14	1.942	0.0	0.434	

Test results

Aquakem 7.2AQ1

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8/27/2018 12:39

Test: TKN-NH3

Sample Id	Result	Dil. 1 +	Response	Errors
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CCV6	4.947	0.0	1.096	
CCB6	0.300	0.0	0.072	
J4534-01DLX10	3.949	0.0	0.876	
J4595-11DLX10	4.414	0.0	0.978	
J4595-13DLX10	4.235	0.0	0.939	
CCV7	5.392	0.0	1.194	
CCB7	0.341	0.0	0.081	
J4595-12DLX100	4.201	0.0	0.931	
J4595-14DLX200	6.954	0.0	1.538	
J4595-15DLX200	8.064	0.0	1.783	
CCV8	4.997	0.0	1.107	
CCB8	0.261	0.0	0.063	

N	67
Mean	6.428
SD	12.5889
CV%	195.85

Aquakem v. 7.2AQ1

Results from time period:

Mon Aug 27 07:50:12 2018

Mon Aug 27 11:56:39 2018

Sample Id	Sam/Ctr/c/	Test short	Test type	Result	Result unit	Result date and time	Stat
0.5PPM	A	TKN-NH3	P	0.5946	mg/l	8/27/2018 8:15:10	
1.0PPM	A	TKN-NH3	P	1.0556	mg/l	8/27/2018 8:15:11	
2.5PPM	A	TKN-NH3	P	2.4149	mg/l	8/27/2018 8:15:12	
5.0PPM	A	TKN-NH3	P	4.9965	mg/l	8/27/2018 8:15:13	
6.7PPM	A	TKN-NH3	P	6.4435	mg/l	8/27/2018 8:15:14	
10.0PPM	A	TKN-NH3	P	10.1615	mg/l	8/27/2018 8:15:15	
ICV1	S	TKN-NH3	P	4.9269	mg/l	8/27/2018 9:10:24	
ICB1	S	TKN-NH3	P	0.1786	mg/l	8/27/2018 9:10:25	
CCV1	S	TKN-NH3	P	4.8138	mg/l	8/27/2018 9:10:26	
CCB1	S	TKN-NH3	P	0.1829	mg/l	8/27/2018 9:10:27	
PB112372BL	S	TKN-NH3	P	0.1814	mg/l	8/27/2018 9:10:28	
PB112372BS	S	TKN-NH3	P	4.8976	mg/l	8/27/2018 9:10:29	
J4623-01	S	TKN-NH3	P	0.9216	mg/l	8/27/2018 9:10:30	
J4623-01DUP	S	TKN-NH3	P	0.9085	mg/l	8/27/2018 9:10:31	
J4623-01MS	S	TKN-NH3	P	5.5389	mg/l	8/27/2018 9:10:32	
J4623-01MSD	S	TKN-NH3	P	5.5572	mg/l	8/27/2018 9:10:33	
J4623-02	S	TKN-NH3	P	0.8563	mg/l	8/27/2018 9:10:34	
J4623-03	S	TKN-NH3	P	0.8218	mg/l	8/27/2018 9:10:35	
J4623-04	S	TKN-NH3	P	0.7071	mg/l	8/27/2018 9:21:08	
J4623-05	S	TKN-NH3	P	0.796	mg/l	8/27/2018 9:21:09	
CCV2	S	TKN-NH3	P	4.826	mg/l	8/27/2018 9:21:10	
CCB2	S	TKN-NH3	P	0.1881	mg/l	8/27/2018 9:21:11	
J4623-06	S	TKN-NH3	P	1.1168	mg/l	8/27/2018 9:21:12	
J4623-07	S	TKN-NH3	P	0.466	mg/l	8/27/2018 9:21:13	
J4623-08	S	TKN-NH3	P	1.3962	mg/l	8/27/2018 9:21:14	
J4623-09	S	TKN-NH3	P	0.8756	mg/l	8/27/2018 9:21:15	
J4623-10	S	TKN-NH3	P	0.7553	mg/l	8/27/2018 9:21:16	
J4623-11	S	TKN-NH3	P	0.8998	mg/l	8/27/2018 9:21:17	
J4623-12	S	TKN-NH3	P	0.766	mg/l	8/27/2018 9:21:18	
J4623-13	S	TKN-NH3	P	0.7709	mg/l	8/27/2018 9:21:19	
J4623-14	S	TKN-NH3	P	0.7662	mg/l	8/27/2018 9:31:52	
J4623-15	S	TKN-NH3	P	0.8117	mg/l	8/27/2018 9:31:53	
CCV3	S	TKN-NH3	P	4.7998	mg/l	8/27/2018 9:31:54	
CCB3	S	TKN-NH3	P	0.1918	mg/l	8/27/2018 9:31:55	
J4623-16	S	TKN-NH3	P	1.2836	mg/l	8/27/2018 9:31:56	
J4623-17	S	TKN-NH3	P	1.1265	mg/l	8/27/2018 9:31:57	
J4623-18	S	TKN-NH3	P	1.0373	mg/l	8/27/2018 9:31:58	
J4623-19	S	TKN-NH3	P	0.5706	mg/l	8/27/2018 9:31:59	
PB112320BL	S	TKN-NH3	P	0.2545	mg/l	8/27/2018 9:32:00	
PB112320BS	S	TKN-NH3	P	5.0976	mg/l	8/27/2018 9:32:01	
J4295-01	S	TKN-NH3	P	6.4459	mg/l	8/27/2018 9:32:02	
J4295-01DUP	S	TKN-NH3	P	6.2911	mg/l	8/27/2018 9:32:03	

AS

J4295-01MS	S	TKN-NH3	P	8.1502 mg/l	8/27/2018 9:42:37
J4295-01MSD	S	TKN-NH3	P	8.2154 mg/l	8/27/2018 9:42:38
CCV4	S	TKN-NH3	P	5.0024 mg/l	8/27/2018 9:42:39
CCB4	S	TKN-NH3	P	0.4214 mg/l	8/27/2018 9:42:40
J4534-01	S	TKN-NH3	P	45.5748 mg/l	8/27/2018 9:42:41
J4534-02	S	TKN-NH3	P	1.0953 mg/l	8/27/2018 9:42:42
J4595-11	S	TKN-NH3	P	45.5692 mg/l	8/27/2018 9:42:43
J4595-12	S	TKN-NH3	P	45.5768 mg/l	8/27/2018 9:42:44
J4595-13	S	TKN-NH3	P	45.5759 mg/l	8/27/2018 9:42:45
J4595-14	S	TKN-NH3	P	45.5688 mg/l	8/27/2018 9:42:46
J4595-15	S	TKN-NH3	P	45.5763 mg/l	8/27/2018 9:42:47
CCV5	S	TKN-NH3	P	4.8299 mg/l	8/27/2018 10:04:04
CCB5	S	TKN-NH3	P	0.2358 mg/l	8/27/2018 10:04:05
J4625-09	S	TKN-NH3	P	2.6295 mg/l	8/27/2018 10:04:06
J4625-10	S	TKN-NH3	P	1.7086 mg/l	8/27/2018 10:04:07
J4625-11	S	TKN-NH3	P	1.021 mg/l	8/27/2018 10:04:08
J4625-12	S	TKN-NH3	P	1.1701 mg/l	8/27/2018 10:04:09
J4625-13	S	TKN-NH3	P	0.7192 mg/l	8/27/2018 10:04:10
J4625-14	S	TKN-NH3	P	1.9416 mg/l	8/27/2018 10:04:11
CCV6	S	TKN-NH3	P	4.947 mg/l	8/27/2018 10:04:12
CCB6	S	TKN-NH3	P	0.3003 mg/l	8/27/2018 10:04:13
J4534-01DLX10	S	TKN-NH3	P	3.949 mg/l	8/27/2018 10:48:02
J4595-11DLX10	S	TKN-NH3	P	4.4138 mg/l	8/27/2018 10:48:03
J4595-13DLX10	S	TKN-NH3	P	4.2352 mg/l	8/27/2018 10:48:05
CCV7	S	TKN-NH3	P	5.3925 mg/l	8/27/2018 10:48:08
CCB7	S	TKN-NH3	P	0.3414 mg/l	8/27/2018 10:48:09
J4595-12DLX100	S	TKN-NH3	P	4.201 mg/l	8/27/2018 11:16:29
J4595-14DLX200	S	TKN-NH3	P	6.9537 mg/l	8/27/2018 11:37:59
J4595-15DLX200	S	TKN-NH3	P	8.0638 mg/l	8/27/2018 11:38:00
CCV8	S	TKN-NH3	P	4.9974 mg/l	8/27/2018 11:56:37
CCB8	S	TKN-NH3	P	0.2606 mg/l	8/27/2018 11:56:38

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284 Sheffield Street,
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8/27/2018 8:20

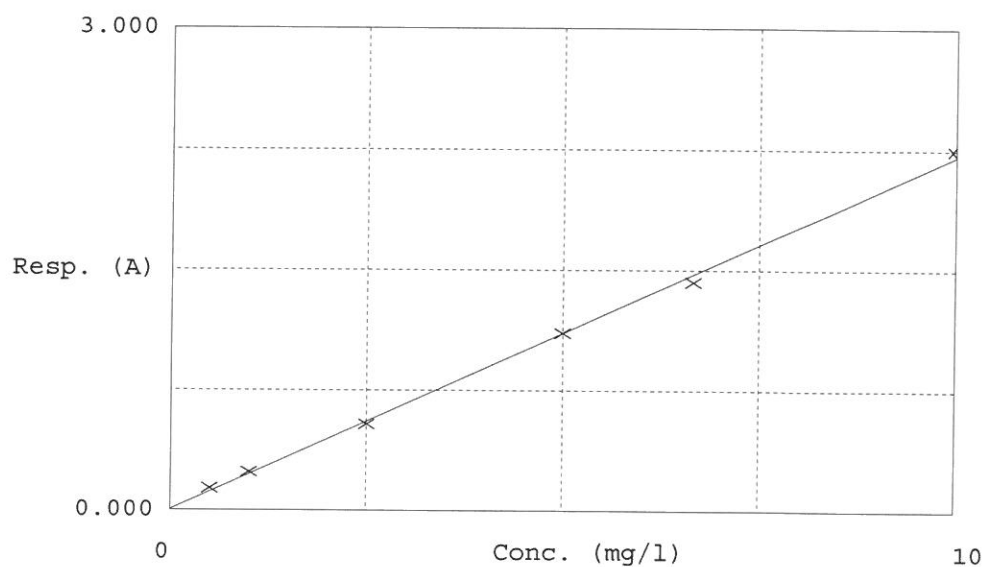
Test TKN-NH3

Accepted 8/27/2018 8:20

Factor 4.538
Bias 0.006

Coeff. of det. 0.998585

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	TKN-10	0.137	0.5946	0.5000	
2	TKN-10	0.238	1.0556	1.0000	
3	TKN-10	0.538	2.4149	2.5000	
4	TKN-10	1.107	4.9965	5.0000	
5	TKN-10	1.426	6.4435	6.6667	
6	TKN-10	2.245	10.1615	10.0000	