Test results | Aquakem 7.2AQ1 | Page: 1

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

10/31/2017 18:34

Test: TKN-NH3 mg/L

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	5.045	0.0	1.025	
ICB1	0.138	0.0	0.030	
CCV1	4.839	0.0	0.983	
CCB1	0.142	0.0	0.031	
PB103850BL	0.151	0.0	0.032	
PB103850BS	4.908	0.0	0.997	
I6143-01	49.571	0.0	10.055	Abs. high, Init abs., Tes
I6143-02	2.132	0.0	0.434	
I6143-06	49.570	0.0	10.055	Abs. high, Init abs., Tes
I6160-01	0.290	0.0	0.060	
I6160-02	0.468	0.0	0.097	
I6160-03	0.535	0.0	0.110	
I6160-04	2.323	0.0	0.473	
I6160-05	7.019	0.0	1.425	
CCV2	4.827	0.0	0.981	
CCB2	0.136	0.0	0.029	
I6160-06	8.058	0.0	1.636	
I6234-04	2.522	0.0	0.513	
I6234-04DUP	2.521	0.0	0.513	
I6234-04MS	8.165	0.0	1.658	
I6234-04MSD	7.991	0.0	1.623	
PB103851BL	0.138	0.0	0.030	
PB103851BS	4.999	0.0	1.016	
I6157-01	10.040	0.0	2.038	Test limit high
I6157-01DUP	10.456	0.0	2.122	Test limit high
I6157-01MS	17.006	0.0	3.451	Init abs., Test limit hig
CCV3	4.905	0.0	0.997	
CCB3	0.155	0.0	0.033	
I6157-01MSD	17.411	0.0	3.533	Init abs., Test limit hig
I6157-02	12.423	0.0	2.521	Init abs., Test limit hig
I6157-03	8.834	0.0	1.793	
I6157-04	23.355	0.0	4.739	Init abs., Test limit hig
I6157-05	15.346	0.0	3.114	Init abs., Test limit hig
I6157-06	25.765	0.0	5.227	Init abs., Test limit hig
DOC SOIL-1	5.060	0.0	1.028	
DOC SOIL-2	4.806	0.0	0.977	
DOC SOIL-3	5.222	0.0	1.061	
DOC SOIL-4	5.258	0.0	1.068	
CCV4	5.195	0.0	1.055	
CCB4	0.146	0.0	0.031	
I6143-01DLX10	4.339	0.0	0.882	
I6143-06DLX10	5.282	0.0	1.073	
I6157-01DLX2	4.912	0.0	0.998	
I6157-02DLX2	6.122	0.0	1.243	
I6157-04DLX5	4.318	0.0	0.878	
I6157-05DLX2	7.289	0.0	1.480	
I6157-06DLX5	4.807	0.0	0.977	
CCV5	4.911	0.0	0.998	
CCB5	0.142	0.0	0.031	

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Test: TKN-NH3

Sample Id	Result	Dil. 1 +	Response	ÔD„

N	49
Mean	7.755
SD	10.4270
CV%	134.46

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Aquakem v. 7.2AQ1
Results from time period:
Tue Oct 31 17:27:46 2017
Tue Oct 31 18:33:20 2017

Sample Id	Sam/Ctr/c	Test short	Test type	Result	Result unit	Result date and time	Stat
0.5PPM	A	TKN-NH3	P	0.558	mg/l	10/31/2017 13:05:29	
1.0PPM	A	TKN-NH3	P	0.9701	mg/l	10/31/2017 13:05:30	
2.5PPM	A	TKN-NH3	P	2.4263	mg/l	10/31/2017 13:05:31	
5.0PPM	A	TKN-NH3	P	4.9294	mg/l	10/31/2017 13:05:32	
6.7PPM	A	TKN-NH3	P	6.8537	mg/l	10/31/2017 13:05:33	
10.0PPM	A	TKN-NH3	P	9.9291	mg/l	10/31/2017 13:05:34	
ICV1	S	TKN-NH3	P	5.0452	mg/l	10/31/2017 17:27:46	
ICB1	S	TKN-NH3	P	0.1382	mg/l	10/31/2017 17:27:47	
CCV1	S	TKN-NH3	P	4.8392	mg/l	10/31/2017 17:27:48	
CCB1	S	TKN-NH3	P	0.142	mg/l	10/31/2017 17:27:49	
PB103850BL	S	TKN-NH3	P	0.1512	mg/l	10/31/2017 17:27:50	
PB103850BS	S	TKN-NH3	P	4.9082	mg/l	10/31/2017 17:27:51	
I6143-01	S	TKN-NH3	P	49.5707	mg/l	10/31/2017 17:27:52	
I6143-02	S	TKN-NH3	P	2.1321	mg/l	10/31/2017 17:27:53	
I6143-06	S	TKN-NH3	P	49.5698	mg/l	10/31/2017 17:27:54	
I6160-01	S	TKN-NH3	P	0.2895	mg/l	10/31/2017 17:27:55	
I6160-02	S	TKN-NH3	P	0.4675	mg/l	10/31/2017 17:27:56	
I6160-03	S	TKN-NH3	P	0.5353	mg/l	10/31/2017 17:27:57	
I6160-04	S	TKN-NH3	P	2.3229	mg/l	10/31/2017 17:38:29	
I6160-05	S	TKN-NH3	P	7.0188	mg/l	10/31/2017 17:38:30	
CCV2	S	TKN-NH3	P	4.8272	mg/l	10/31/2017 17:38:31	
CCB2	S	TKN-NH3	P	0.1358	mg/l	10/31/2017 17:38:32	
I6160-06	S	TKN-NH3	P	8.058	mg/l	10/31/2017 17:38:33	
I6234-04	S	TKN-NH3	P	2.5222	mg/l	10/31/2017 17:38:34	
I6234-04DUP	S	TKN-NH3	P	2.5206	mg/l	10/31/2017 17:38:35	
I6234-04MS	S	TKN-NH3	P	8.1649	mg/l	10/31/2017 17:38:36	
I6234-04MSD	S	TKN-NH3	P	7.9912	mg/l	10/31/2017 17:38:37	
PB103851BL	S	TKN-NH3	P	0.1375	mg/l	10/31/2017 17:38:38	
PB103851BS	S	TKN-NH3	P	4.9992	mg/l	10/31/2017 17:38:39	
I6157-01	S	TKN-NH3	P	10.0405	mg/l	10/31/2017 17:38:40	
I6157-01DUP	S	TKN-NH3	P	10.4562	mg/l	10/31/2017 17:49:13	
I6157-01MS	S	TKN-NH3	P	17.0058	mg/l	10/31/2017 17:49:14	
CCV3	S	TKN-NH3	P	4.9048	mg/l	10/31/2017 17:49:15	
CCB3	S	TKN-NH3	P	0.1547	mg/l	10/31/2017 17:49:16	
I6157-01MSD	S	TKN-NH3	P	17.4105	mg/l	10/31/2017 17:49:17	
I6157-02	S	TKN-NH3	P	12.4235	mg/l	10/31/2017 17:49:18	
I6157-03	S	TKN-NH3	P	8.8342	mg/l	10/31/2017 17:49:19	
I6157-04	S	TKN-NH3	P	23.3554	mg/l	10/31/2017 17:49:20	
I6157-05	S	TKN-NH3	P	15.3459	mg/l	10/31/2017 17:49:21	
I6157-06	S	TKN-NH3	P	25.7649	mg/l	10/31/2017 17:49:22	
DOC SOIL-1	S	TKN-NH3	P	5.0598	mg/l	10/31/2017 17:49:23	
DOC SOIL-2	S	TKN-NH3	P	4.8064	mg/l	10/31/2017 17:49:24	

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DOC SOIL-3	S	TKN-NH3	P	5.2223 mg/l	10/31/2017 17:55:17
DOC SOIL-4	S	TKN-NH3	P	5.2578 mg/l	10/31/2017 17:55:18
CCV4	S	TKN-NH3	P	5.1946 mg/l	10/31/2017 17:55:19
CCB4	S	TKN-NH3	P	0.1458 mg/l	10/31/2017 17:55:20
I6143-01DLX10	S	TKN-NH3	P	4.3388 mg/l	10/31/2017 18:33:12
I6143-06DLX10	S	TKN-NH3	P	5.2822 mg/l	10/31/2017 18:33:13
I6157-01DLX2	S	TKN-NH3	P	4.9116 mg/l	10/31/2017 18:33:14
I6157-02DLX2	S	TKN-NH3	P	6.1225 mg/l	10/31/2017 18:33:15
I6157-04DLX5	S	TKN-NH3	P	4.3181 mg/l	10/31/2017 18:33:16
I6157-05DLX2	S	TKN-NH3	P	7.2895 mg/l	10/31/2017 18:33:17
I6157-06DLX5	S	TKN-NH3	P	4.8067 mg/l	10/31/2017 18:33:18
CCV5	S	TKN-NH3	P	4.9109 mg/l	10/31/2017 18:33:19
CCB5	S	TKN-NH3	P	0.1418 mg/l	10/31/2017 18:33:20

Calibration results | Aquakem 7.2AQ1 | Page: 1

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284 Sheffield Street,
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Reviewed by : AS

10/31/2017 15:29

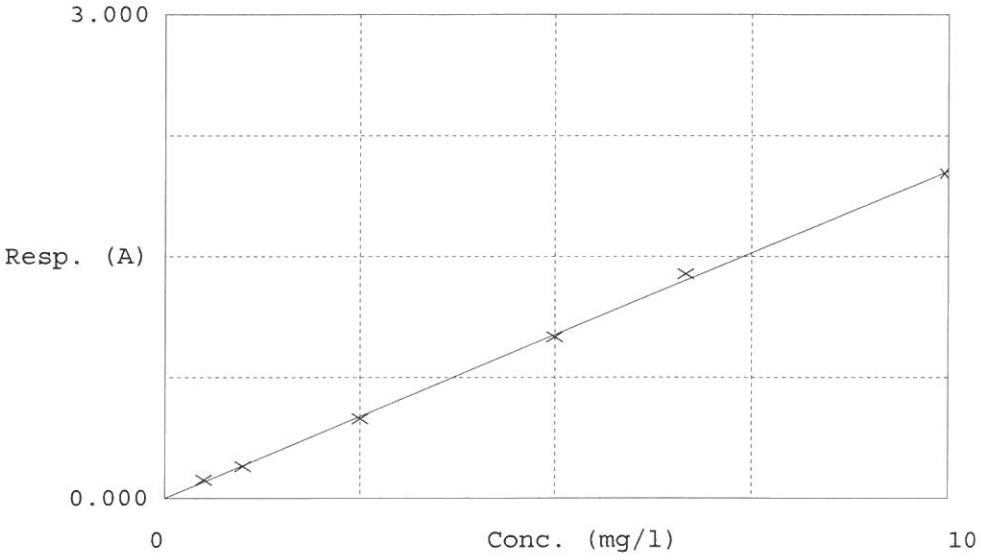
Test TKN-NH3

Accepted 10/31/2017 13:08

Factor 4.931
Bias 0.002

Coeff. of det. 0.999187

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	TKN-10	0.115	0.5580	0.5000	
2	TKN-10	0.199	0.9701	1.0000	
3	TKN-10	0.494	2.4263	2.5000	
4	TKN-10	1.002	4.9294	5.0000	
5	TKN-10	1.392	6.8537	6.6667	
6	TKN-10	2.016	9.9291	10.0000	