

GROUNDWATER COMPLIANCE NOTIFICATION
40 CFR §257.95
PLANT HAMMOND ASH POND 3 (AP-3)
GEORGIA POWER COMPANY

Explanation of Notification

This notification is due to the adoption of the United States Environmental Protection Agency's (USEPA's) federal groundwater protection standards (GWPS) for cobalt, lithium, lead, and molybdenum by the Georgia Environmental Protection Division (Georgia EPD) on February 22, 2022, and the results the GWPS have on the status of the Georgia Power Company (Georgia Power) Plant Hammond AP-3 groundwater monitoring program. The statistical analysis presented in **Attachment A** demonstrates that all previously identified statistically significant levels (SSLs) of lithium and molybdenum have at all times complied with the GWPS.

The GWPS for lithium and molybdenum are 0.040 milligrams per liter (mg/L) and 0.10 mg/L, respectively. As presented in **Attachment A**, confidence intervals were constructed using the GWPS for lithium at HGWC-120 and for molybdenum at HGWC-120, MW-32, MW-39, and MW-41 for each sampling event beginning with the first documented SSL at each well, as identified in comparison with the prior GWPS, and through the February 2022 assessment monitoring event. The complete set of lithium and molybdenum groundwater data reported for the four wells is presented in **Table 1** provided in the attachments. The completed statistical analyses comply with the USEPA Coal Combustion Residual Rule (CCR Rule) [40 Code of Federal Regulations (CFR) Part 257, Subpart D], the Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10, and is in accordance with the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance).

Modifications to the AP-3 Groundwater Compliance Monitoring Program

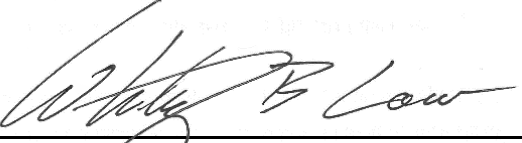
Due to there being no SSLs within the monitoring network as of February 22, 2022, groundwater monitoring and reporting will be conducted in accordance with §257.95 Assessment Monitoring Program. The following changes will be implemented to the AP-3 groundwater compliance monitoring program:

- Georgia Power will continue to collect groundwater samples from compliance monitoring well HGWC-120 (shown on **Figure 1**) during routine semiannual assessment monitoring events in accordance with the assessment monitoring program.

- Georgia Power will discontinue the routine collection of groundwater samples from wells MW-32, MW-41, and MW-46D and piezometer MW-39. Wells MW-32, MW-41, and MW-46D will be reclassified as piezometers (shown on **Figure 1**). The four piezometers will be used for water level measurements during the semiannual assessment monitoring events to define groundwater flow direction and gradients downgradient of AP-3. The Groundwater Monitoring Plan (GWMP) for Hammond AP-3 shows MW-32, MW-39, MW-41, and MW-46D as piezometers. No changes are recommended to the GWMP.
- Georgia Power will discontinue the routine collection of Cabin Creek surface water samples from location H-SCC E41 located downgradient of MW-41 (shown on **Figure 1**).

CERTIFICATION

I hereby certify to the best of my knowledge, information, and belief, that the information provided herein demonstrates that current groundwater quality conditions associated with Georgia Power's Plant Hammond Ash Pond 3 are in compliance with the GWPS established under §257.95(h), the site is in Assessment Monitoring, and that efforts associated with the assessment of corrective measures, as stipulated by §257.96 through §257.98, are no longer required.



Whitney B. Law, PE
Licensed Professional Engineer, No. PE036641

6/10/2022
Date

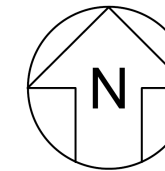
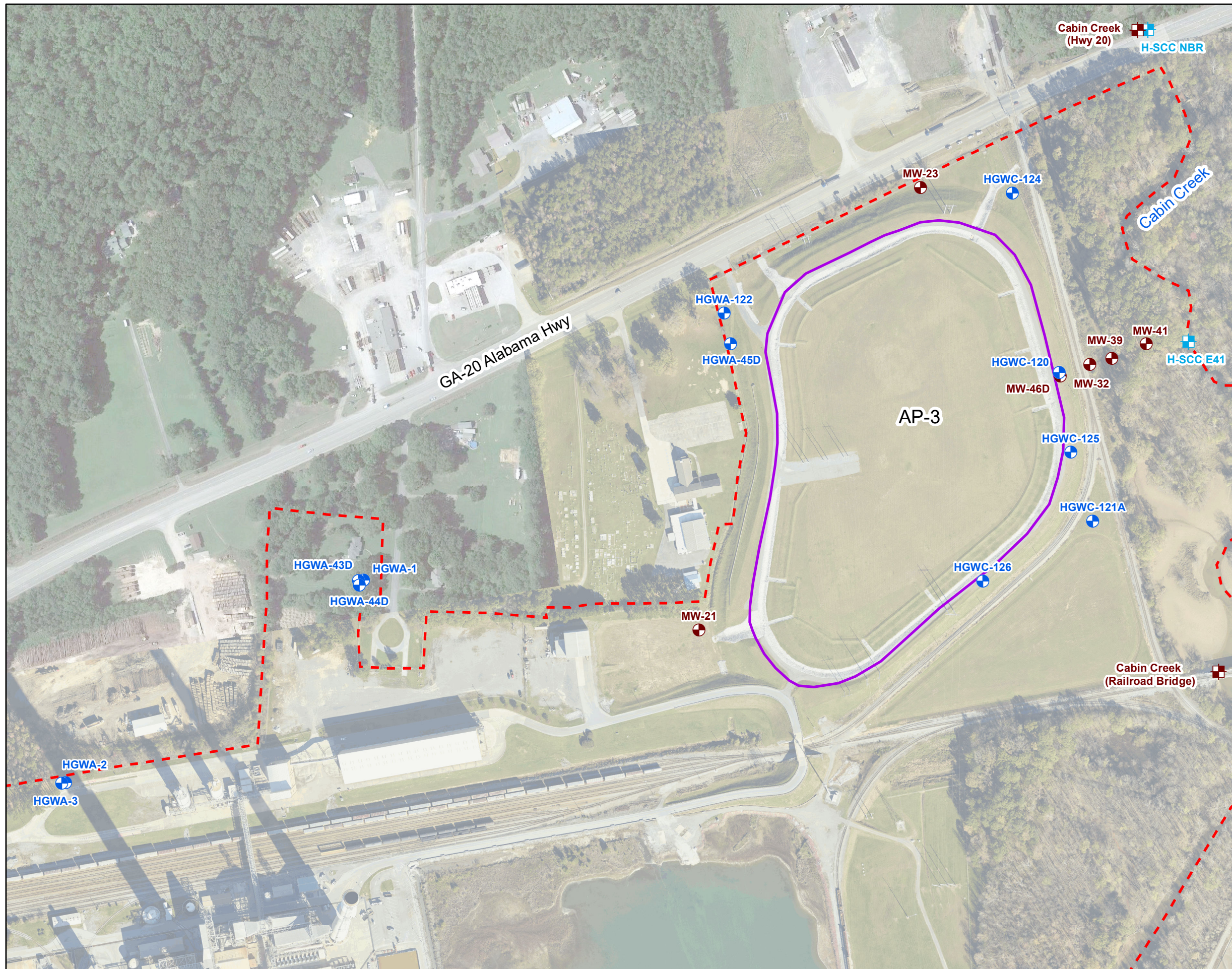


Attachment

Figure 1: Monitoring Well and Sampling Location Map

Table 1: Summary of Groundwater Data – HGWC-120, MW-32, MW-39, MW-41

Attachment A: *Statistical Analysis of Groundwater Protection Standards for Georgia Power Company Plant Hammond Ash Pond 3*



- LEGEND**
- Compliance Monitoring Well
 - ⊙ Piezometer
 - ⊕ Surface Water Sample Point
 - ⊕ Surface Water Level Gauge Point
 - Approximate AP-3 Boundary
 - Plant Hammond Property Boundary

Notes:
 1. Aerial photograph source: Google Earth Pro, August 2019 and GPC, December 2020.
 2. Surface water sample point H-SCC NBR and Cabin Creek (Hwy 20) surface water level gauge point are co-located.



MONITORING WELL NETWORK AND SAMPLING LOCATION MAP

GEORGIA POWER COMPANY
 PLANT HAMMOND AP-3
 FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA

JUNE 2022

FIGURE 1

Table 1
 Summary of Groundwater Data - HGWC-120, MW-32, MW-39, and MW-41
 Plant Hammond AP-3, Floyd County, Georgia

Well ID:	HGWC-120															
Date:	08/31/2016	10/26/2016	01/27/2017	05/25/2017	10/02/2017	11/15/2017	06/05/2018	10/02/2018	8/22/2019	10/22/2019	3/25/2020	8/26/2020	9/21/2020	3/12/2021	8/16/2021	2/2/2022
Parameter ⁽¹⁾																
Lithium	0.0333 J	0.0352 J	0.0329 J	0.0347 J	0.0337 J	0.0347 J	0.033 J	0.031 J	0.029 J	0.030 J	0.024 J	0.023 J	0.023 J	0.023 J	0.025 J	0.025 J
Molybdenum	0.0176	0.0187	0.0214	0.0231	0.0259	0.0281	0.033	0.036	0.039	0.040	0.034	0.050	0.043	0.033	0.035	0.034

Well ID:	MW-32							
Date:	1/3/2020	1/22/2020	3/25/2020	8/26/2020	9/28/2020	3/15/2021	8/18/2021	2/3/2022
Parameter ⁽¹⁾								
Molybdenum	0.060	0.059	0.062	0.065	0.062	0.061	0.061	0.058

Well ID:	MW-39						
Date:	3/27/2020	4/24/2020	8/26/2020	9/28/2020	3/15/2021	8/18/2021	2/2/2022
Parameter ⁽¹⁾							
Molybdenum	0.012	0.062	0.064	0.062	0.062	0.063	0.062

Well ID:	MW-41					
Date:	6/15/2020	8/26/2020	9/28/2020	3/15/2021	8/18/2021	2/2/2022
Parameter ⁽¹⁾						
Molybdenum	0.035	0.039	0.036	0.046	0.042	0.047

Notes:
 -- = Parameter not analyzed
 J = Indicates the parameter was estimated and detected between the analytical method detection limit (MDL) and the reporting limit (RL).
 (1) Metals were analyzed by EPA Method 6020B.

May 2022

STATISTICAL ANALYSIS OF
GROUNDWATER PROTECTION
STANDARDS
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND ASH POND 3

Prepared by:

Groundwater Stats Consulting LLC

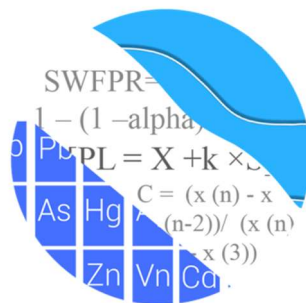
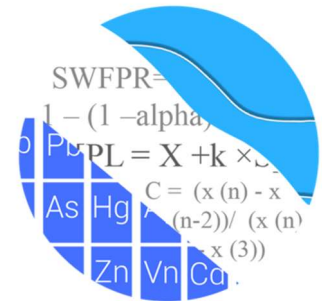


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GROUNDWATER STATS CONSULTING



May 25, 2022

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308

Re: Georgia Power Company Plant Hammond Ash Pond 3
Statistical Analysis of Refined Groundwater Protection Standard

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide confidence interval comparisons for those well/constituent pairs at Georgia Power Company Plant Hammond Ash Pond 3 (AP-3) that historically contained statistically significant levels (SSLs) of Appendix IV parameters. Specifically, lithium at downgradient well HGWC-120 and molybdenum at downgradient wells HGWC-120, MW-32, and MW-41 as well as at piezometer MW-39 were analyzed to demonstrate compliance with federal Groundwater Protection Standards (GWPS) adopted by Georgia Environmental Protection Division (EPD) on February 22, 2022. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Coal Combustion Residuals (CCR) program began in 2016. The monitoring well network, as certified by Geosyntec Consultants and provided by Southern Company Services, consists of the following monitoring wells and piezometers:

- **Upgradient Compliance Monitoring Wells:** HGWA-1, HGWA-2, HGWA-3, HGWA-43D, HGWA-44D, HGWA-45D, and HGWA-122
- **Downgradient Compliance Monitoring Wells:** HGWC-120, HGWC-121A, HGWC-124, HGWC-125, and HGWC-126
- **Downgradient Delineation Wells:** MW-32, MW-41, and MW-46D
- **Downgradient Piezometer:** MW-39

Summary of Statistical Evaluation of Appendix IV Constituents

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each applicable downgradient well or piezometer with a minimum of four samples. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV constituents.

The confidence intervals are compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its GWPS. If a confidence interval exceeds a GWPS, an SSL is identified.

Confidence Intervals – Lithium and Molybdenum

Using the GWPS of 0.1 mg/L for molybdenum and 0.04 mg/L for lithium, confidence intervals were constructed for molybdenum at downgradient wells HGWC-120, MW-32, and MW-41 and piezometer MW-39, and for lithium at downgradient well HGWC-120 for each sampling event beginning with the first apparent SSL of the State-established GWPS through the February 2022 sample event. The confidence intervals and summary tables follow this letter.

The statistical analysis herein demonstrates that all previously identified SSLs of lithium and molybdenum, which were based on background limits, have always complied with the Federal GWPS (lithium is 0.040 milligrams per liter (mg/L) and molybdenum is 0.1 mg/L) adopted by Georgia EPD on February 22, 2022.

Demonstration of Compliance with GWPS

A well/parameter pair is not or no longer declared an SSL over the GWPS when the entire confidence interval falls below a specified limit (i.e., the Upper Confidence Limit [UCL] falls below the limit) and the unit is monitored in accordance with the assessment monitoring program.

As mentioned above, the following apparent SSLs were historically recorded during Assessment Monitoring when confidence intervals (in particular the LCLs) were compared to the previously established State GWPS based on background limits:

Well	Constituent	Date of 1st SSL	LCL – UCL (mg/L)	STATE GWPS (mg/L)	FEDERAL GWPS (mg/L)
HGWC-120	Lithium	Fall 2019	0.031-0.035	0.03	0.04
HGWC-120	Molybdenum	Fall 2019	0.021-0.036	0.01	0.1
MW-32	Molybdenum	Fall 2020	0.058-0.065	0.01	0.1
MW-39	Molybdenum	Fall 2020	0.012-0.064	0.01	0.1
MW-41	Molybdenum	Spring 2021	0.028-0.050	0.01	0.1

Conclusion

The statistical analysis presented herein demonstrates that SSLs documented at Plant Hammond AP-3 for lithium and molybdenum have always complied with the Federal GWPS adopted by Georgia EPD on February 22, 2022. Furthermore, the groundwater data at the unit meet the criteria to remain in assessment monitoring under the federal and Georgia EPD CCR Rules.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality data for Hammond AP-3. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

A handwritten signature in black ink that reads "Kristina Rayner". The signature is written in a cursive, flowing style.

Kristina Rayner
Senior Statistician

Confidence Interval Summary

Date	Well	Constituent	UCL (mg/L)	LCL (mg/L)	CCR-Rule Specified Limit (mg/L)	Exceeds	Samples
8/22/2019	HGWC-120	Lithium	0.035	0.031	0.04	No	9
10/22/2019	HGWC-120	Lithium	0.035	0.031	0.04	No	10
3/25/2020	HGWC-120	Lithium	0.035	0.029	0.04	No	11
8/26/2020	HGWC-120	Lithium	0.035	0.028	0.04	No	12
9/21/2020	HGWC-120	Lithium	0.034	0.028	0.04	No	13
3/12/2021	HGWC-120	Lithium	0.034	0.028	0.04	No	14
8/16/2021	HGWC-120	Lithium	0.033	0.028	0.04	No	15
2/2/2022	HGWC-120	Lithium	0.034	0.024	0.04	No	16
8/22/2019	HGWC-120	Molybdenum	0.034	0.0196	0.1	No	9
10/22/2019	HGWC-120	Molybdenum	0.036	0.021	0.1	No	10
3/25/2020	HGWC-120	Molybdenum	0.036	0.022	0.1	No	11
8/26/2020	HGWC-120	Molybdenum	0.038	0.023	0.1	No	12
9/21/2020	HGWC-120	Molybdenum	0.039	0.024	0.1	No	13
3/12/2021	HGWC-120	Molybdenum	0.038	0.025	0.1	No	14
8/16/2021	HGWC-120	Molybdenum	0.038	0.026	0.1	No	15
2/2/2022	HGWC-120	Molybdenum	0.038	0.026	0.1	No	16
8/26/2020	MW-32	Molybdenum	0.068	0.055	0.1	No	4
9/28/2020	MW-32	Molybdenum	0.066	0.058	0.1	No	5
3/15/2021	MW-32	Molybdenum	0.064	0.059	0.1	No	6
8/18/2021	MW-32	Molybdenum	0.064	0.059	0.1	No	7
2/3/2022	MW-32	Molybdenum	0.063	0.059	0.1	No	8
9/28/2020	MW-39	Molybdenum	0.064	0.012	0.1	No	4
3/15/2021	MW-39	Molybdenum	0.064	0.012	0.1	No	5
8/18/2021	MW-39	Molybdenum	0.064	0.012	0.1	No	6
2/2/2022	MW-39	Molybdenum	0.064	0.012	0.1	No	7
3/15/2021	MW-41	Molybdenum	0.05	0.028	0.1	No	4
8/18/2021	MW-41	Molybdenum	0.047	0.0032	0.1	No	5
2/2/2022	MW-41	Molybdenum	0.048	0.034	0.1	No	6

Confidence Intervals - Well HGWC-120 (Lithium)

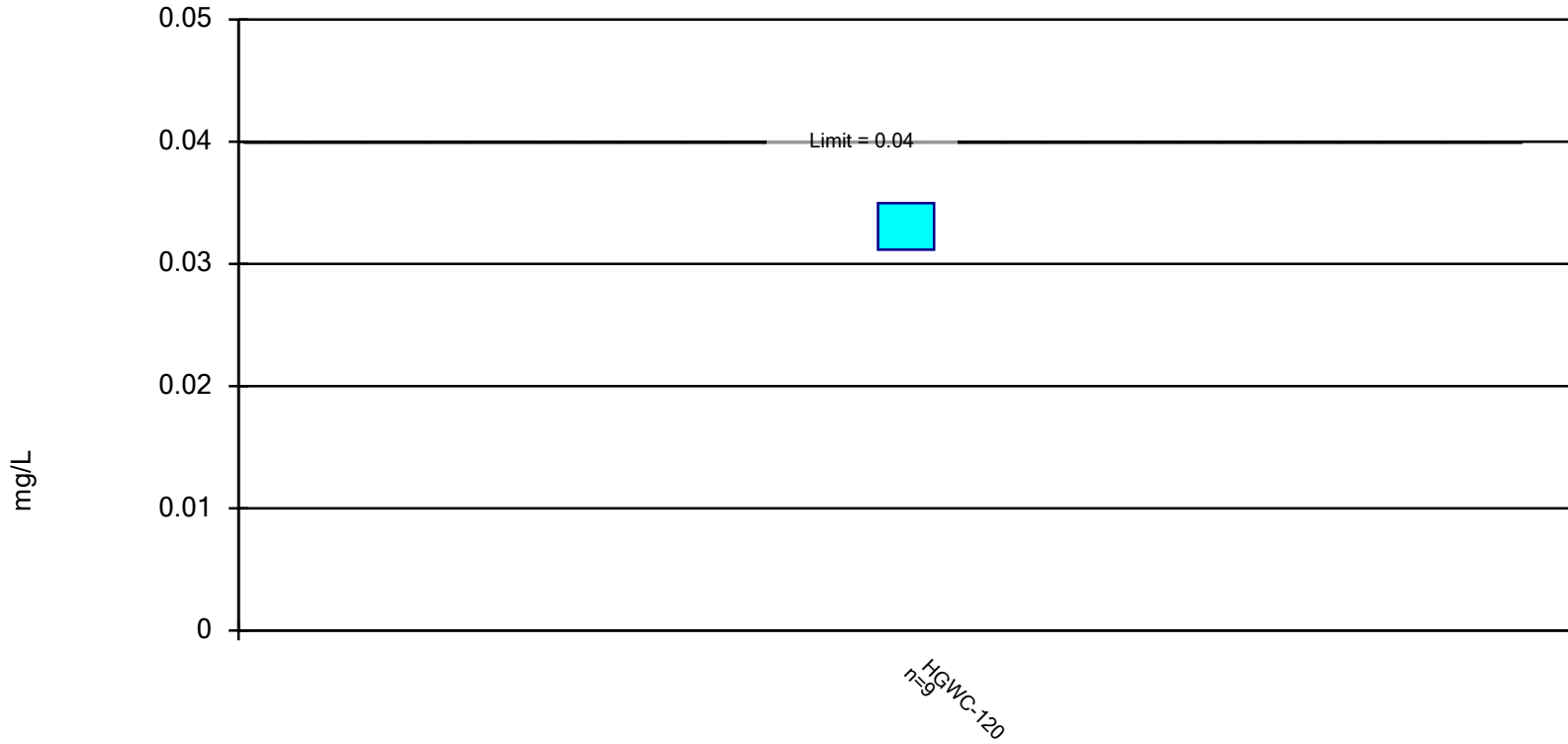
August 2019 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:57 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03496	0.03115	0.04	No	9	0.03306	0.001974	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 2:54 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 2:57 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
Mean	0.03306
Std. Dev.	0.001974
Upper Lim.	0.03496
Lower Lim.	0.03115

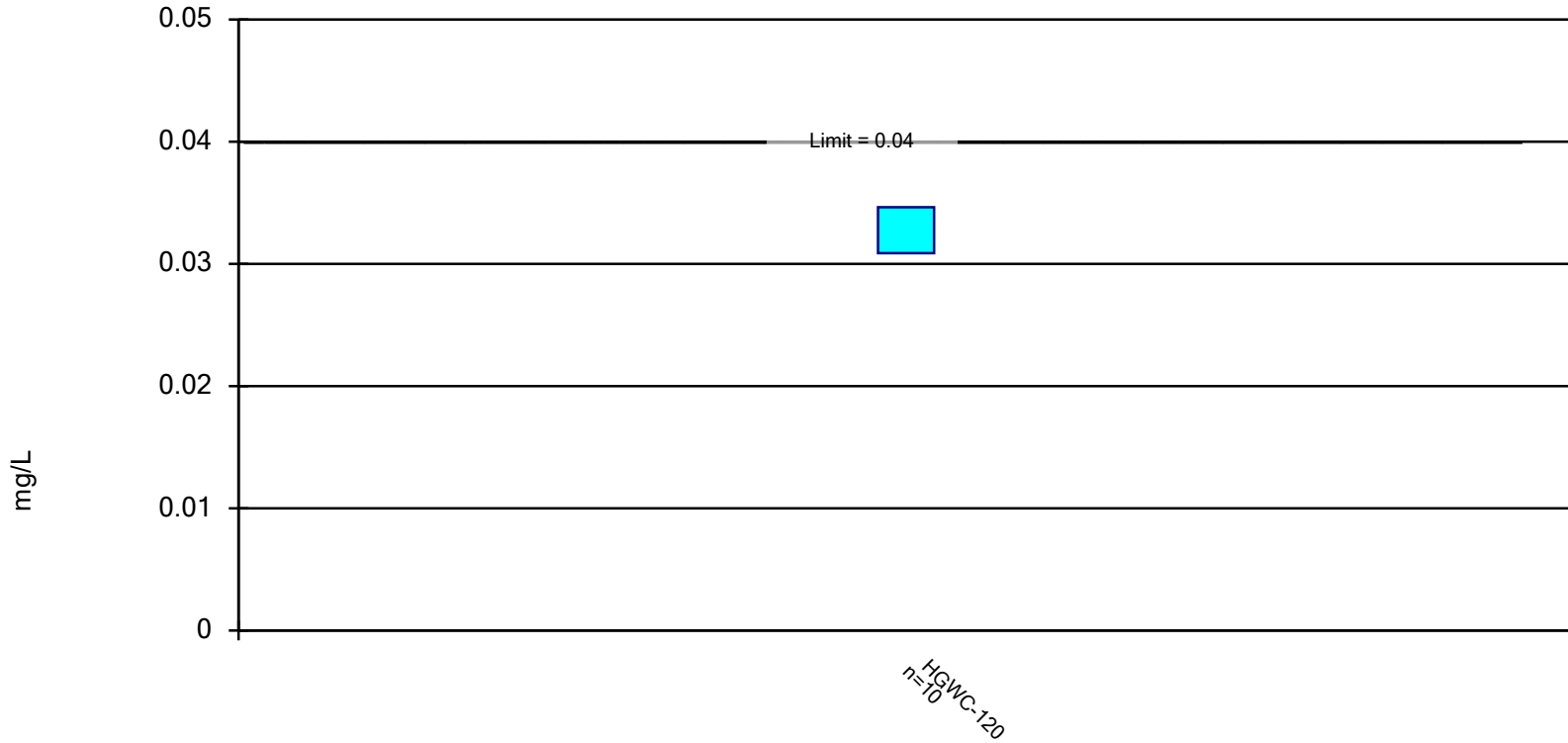
October 2019 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03462	0.03088	0.04	No	10	0.03275	0.002097	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 2:57 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 2:58 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
Mean	0.03275
Std. Dev.	0.002097
Upper Lim.	0.03462
Lower Lim.	0.03088

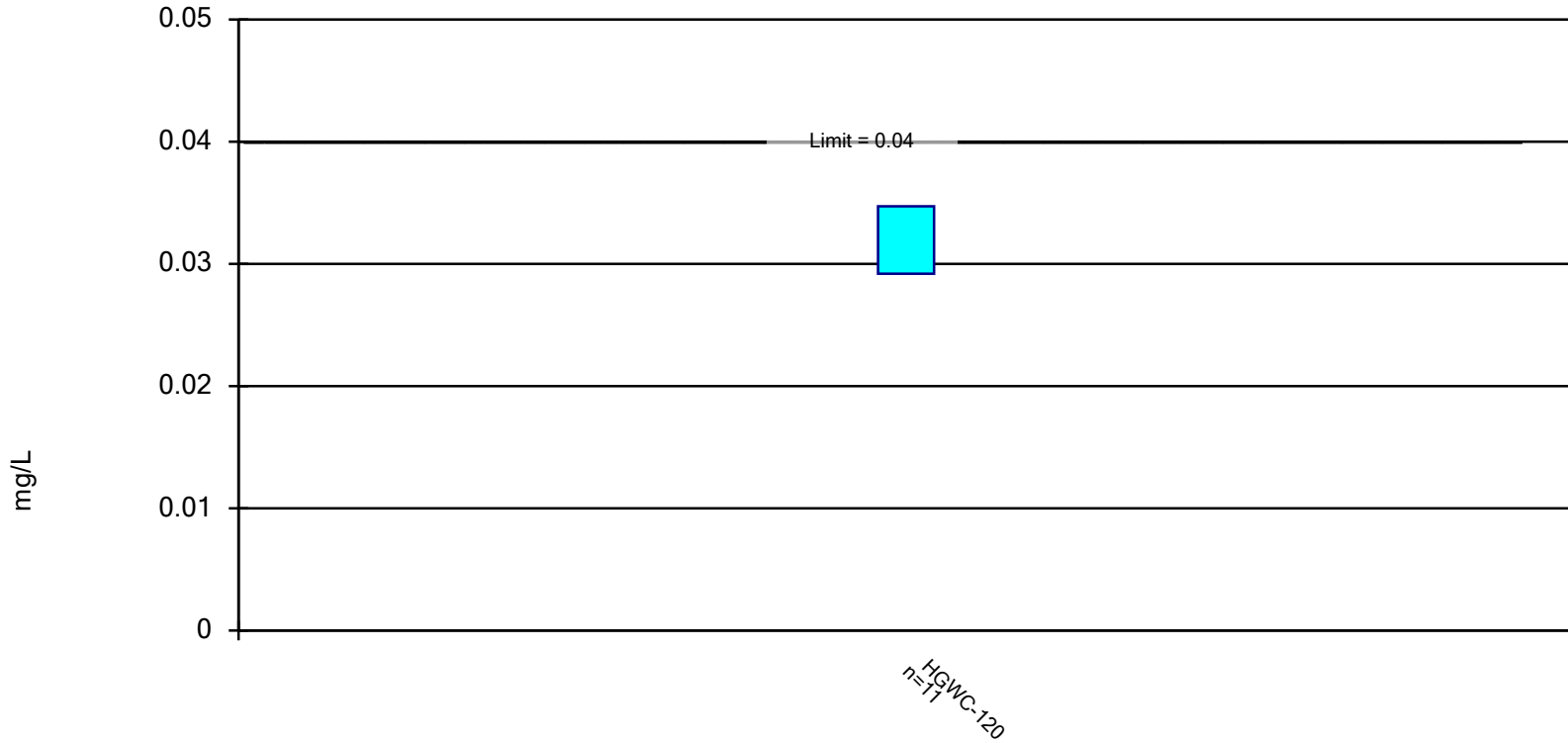
March 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03471	0.0292	0.04	No	11	0.03195	0.003304	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 3:03 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:04 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
Mean	0.03195
Std. Dev.	0.003304
Upper Lim.	0.03471
Lower Lim.	0.0292

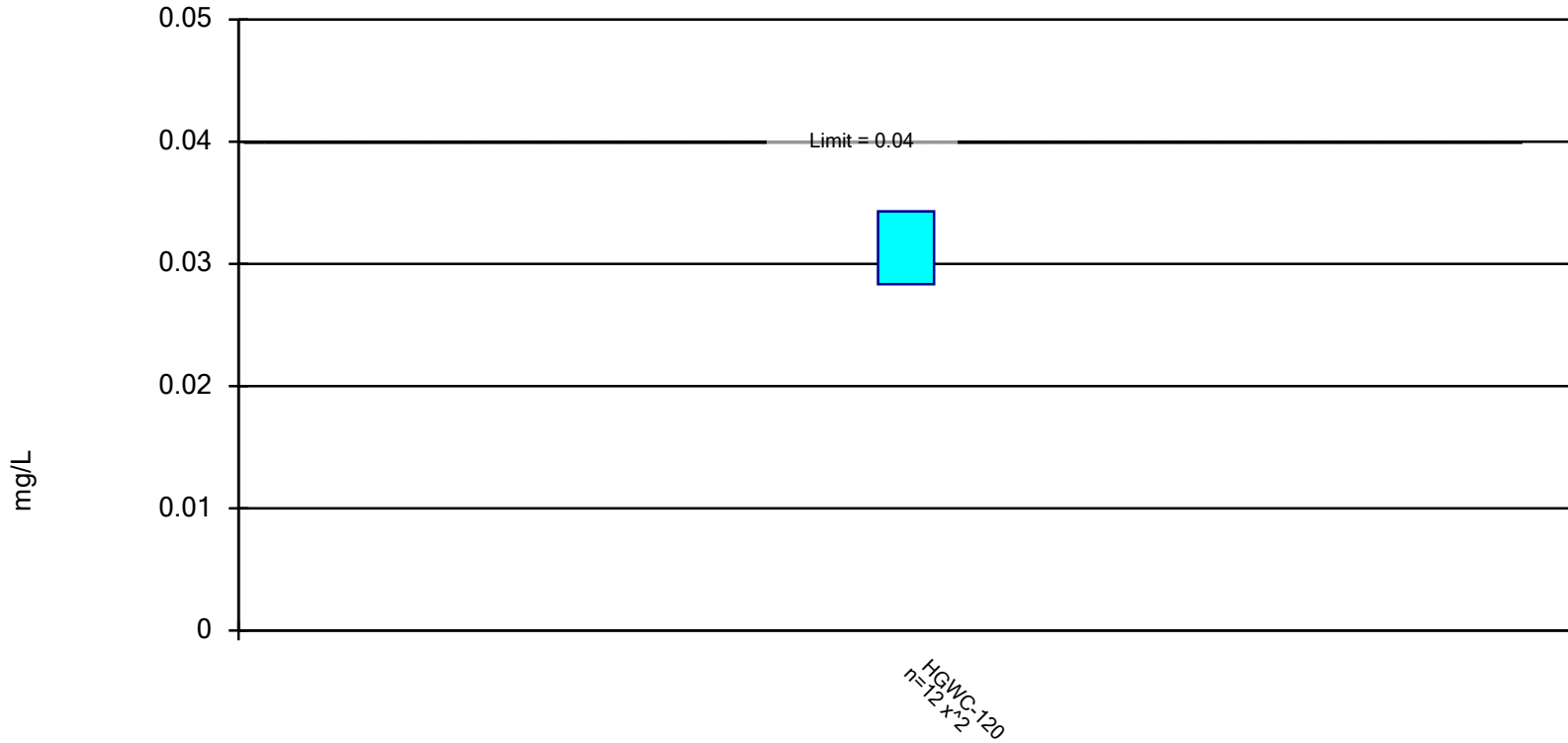
August 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:05 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03429	0.02833	0.04	No	12	0.03121	0.004075	0	None	x^2	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 3:05 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:05 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
8/26/2020	0.023 (J)
Mean	0.03121
Std. Dev.	0.004075
Upper Lim.	0.03429
Lower Lim.	0.02833

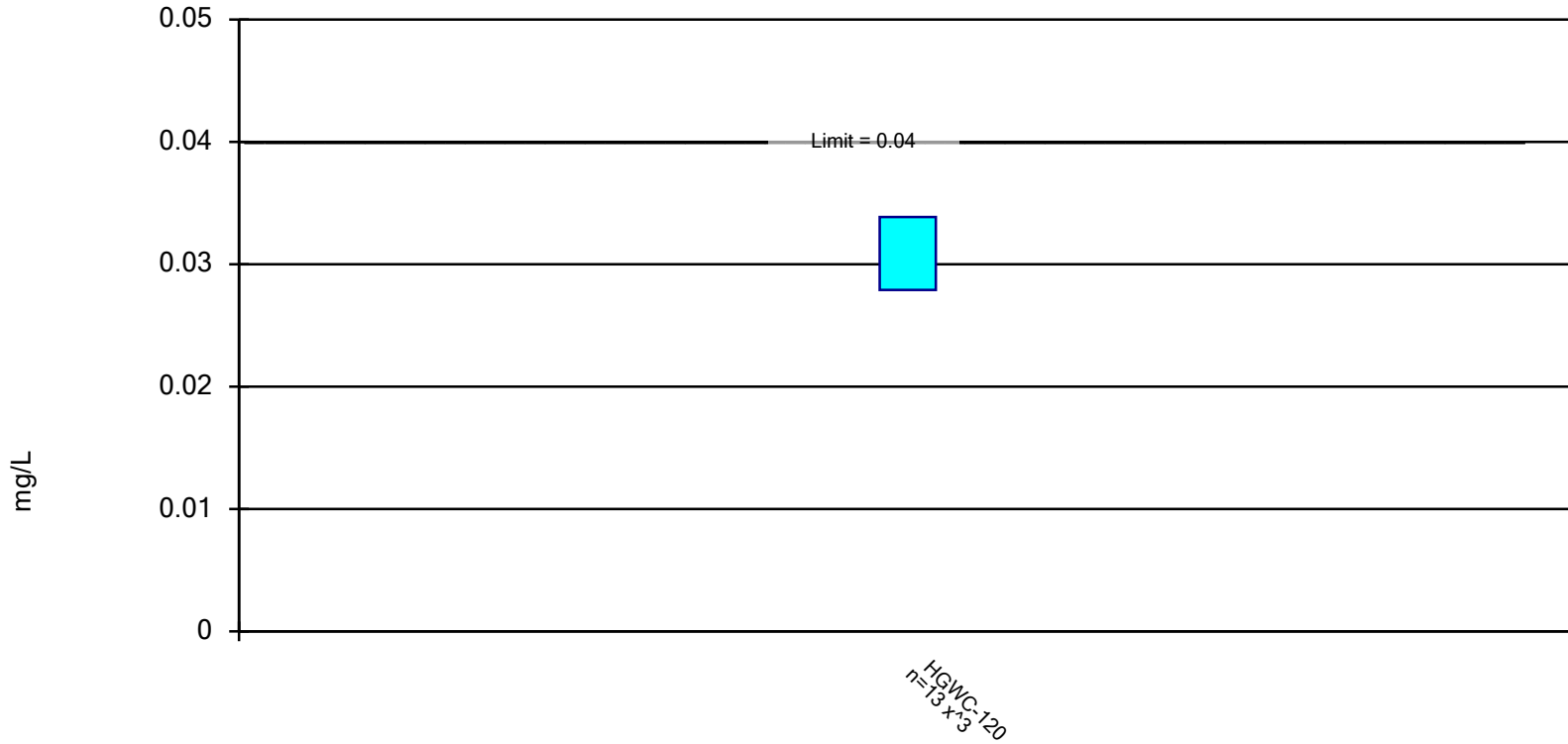
September 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:07 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03385	0.0279	0.04	No	13	0.03058	0.004517	0	None	x^3	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 3:06 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:07 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
8/26/2020	0.023 (J)
9/21/2020	0.023 (J)
Mean	0.03058
Std. Dev.	0.004517
Upper Lim.	0.03385
Lower Lim.	0.0279

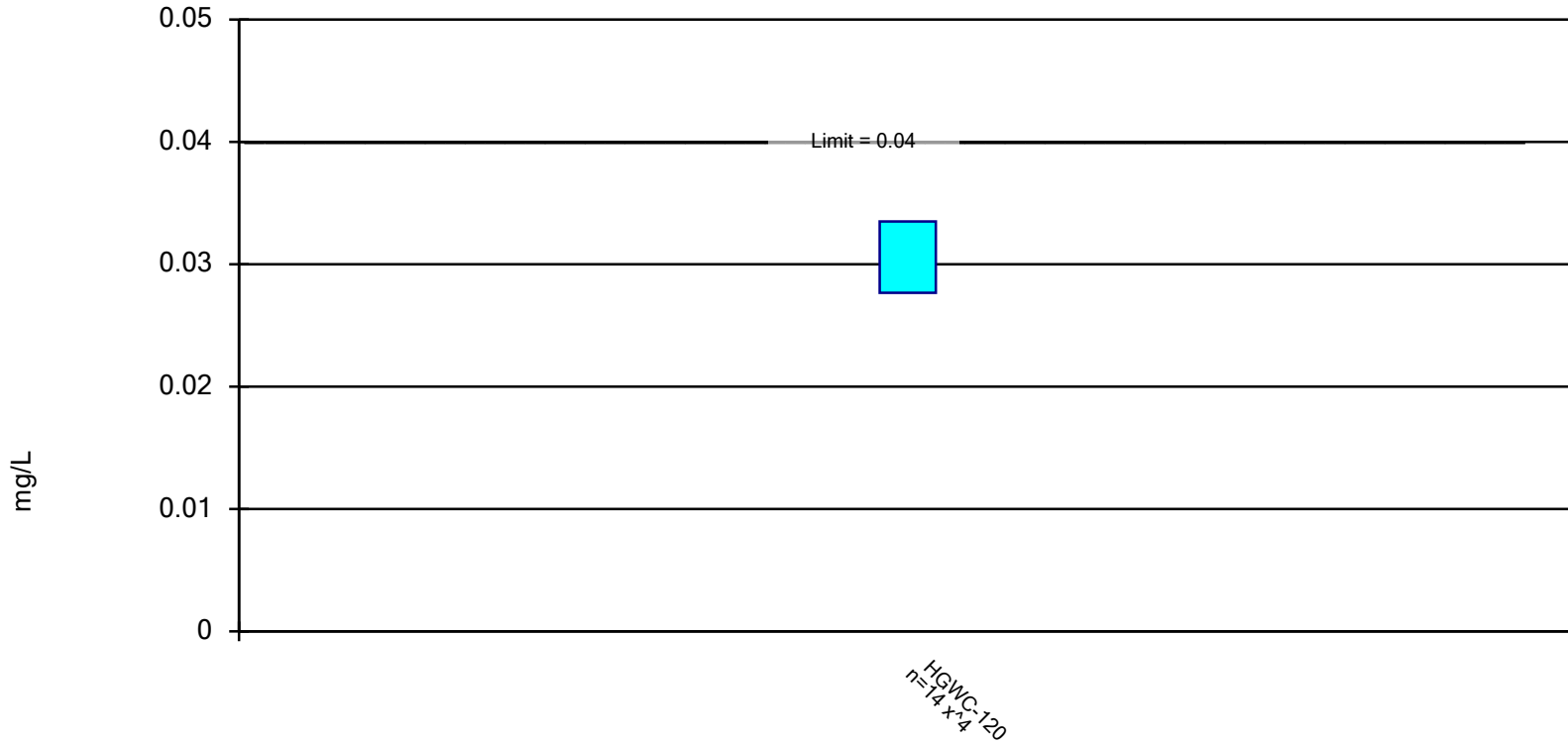
March 2021 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.0335	0.02767	0.04	No	14	0.03004	0.004789	0	None	x^4	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 3:07 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:09 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
8/26/2020	0.023 (J)
9/21/2020	0.023 (J)
3/12/2021	0.023 (J)
Mean	0.03004
Std. Dev.	0.004789
Upper Lim.	0.0335
Lower Lim.	0.02767

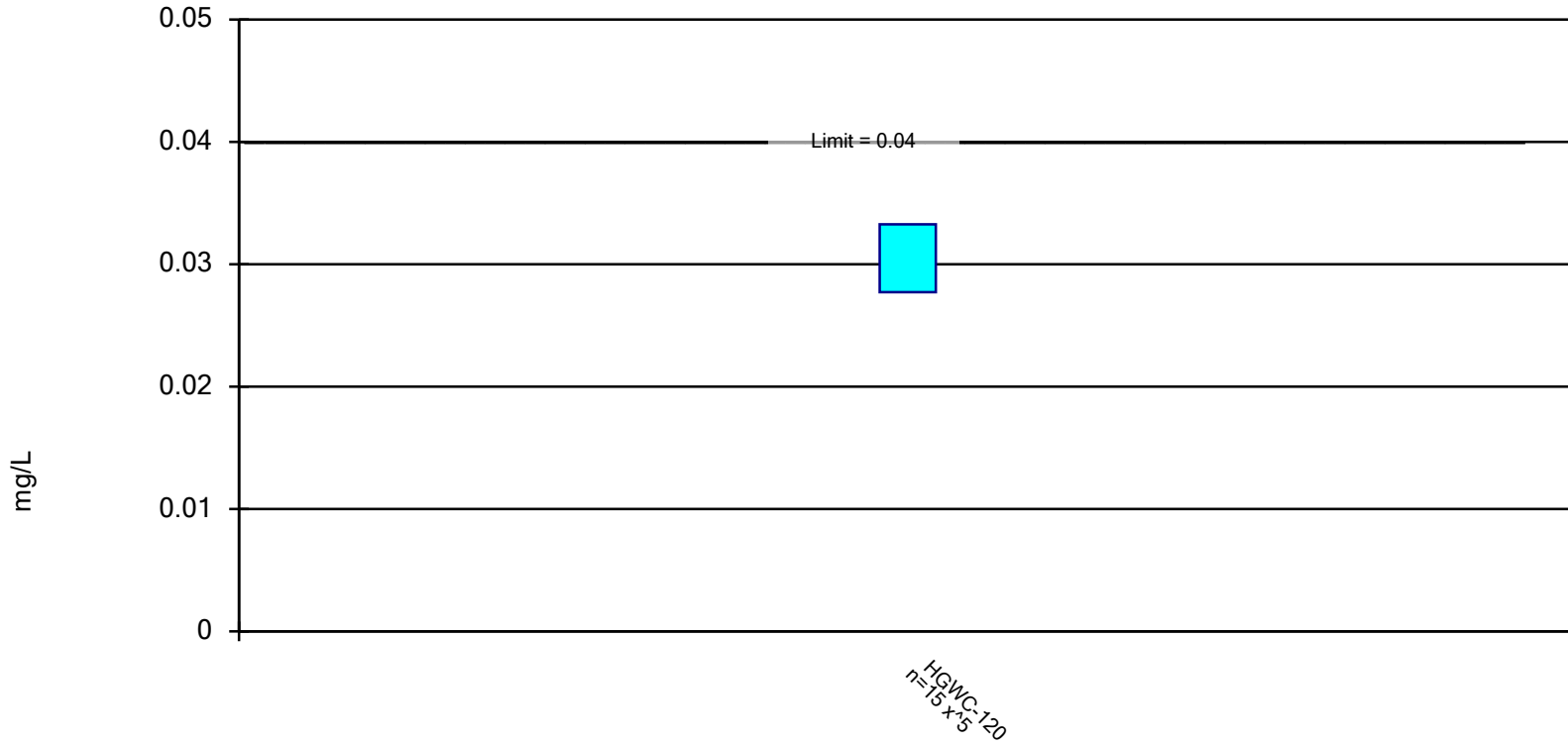
August 2021 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:10 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.03325	0.0277	0.04	No	15	0.0297	0.004795	0	None	x^5	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/29/2022 3:10 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:10 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
8/26/2020	0.023 (J)
9/21/2020	0.023 (J)
3/12/2021	0.023 (J)
8/16/2021	0.025 (J)
Mean	0.0297
Std. Dev.	0.004795
Upper Lim.	0.03325
Lower Lim.	0.0277

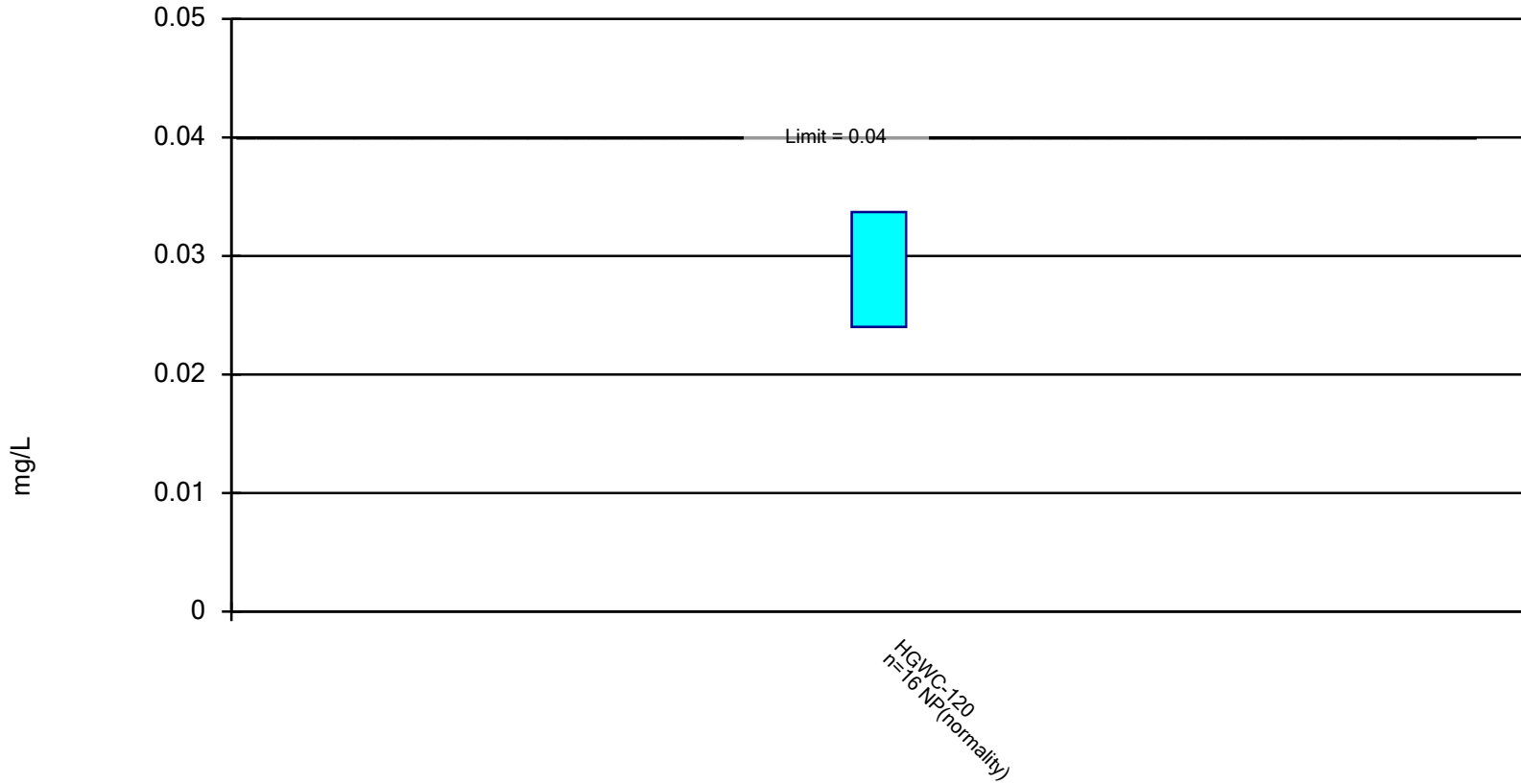
February 2022 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 3:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Lithium (mg/L)	HGWC-120	0.0337	0.024	0.04	No	16	0.02941	0.004779	0	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 3/29/2022 3:11 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/29/2022 3:12 PM View: CI - Lithium
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0333 (J)
10/26/2016	0.0352 (J)
1/27/2017	0.0329 (J)
5/25/2017	0.0347 (J)
10/2/2017	0.0337 (J)
11/15/2017	0.0347 (J)
6/5/2018	0.033 (J)
10/2/2018	0.031 (J)
8/22/2019	0.029 (J)
10/22/2019	0.03 (J)
3/25/2020	0.024 (J)
8/26/2020	0.023 (J)
9/21/2020	0.023 (J)
3/12/2021	0.023 (J)
8/16/2021	0.025 (J)
2/2/2022	0.025 (J)
Mean	0.02941
Std. Dev.	0.004779
Upper Lim.	0.0337
Lower Lim.	0.024

Confidence Intervals - Well HGWC-120 (Molybdenum)

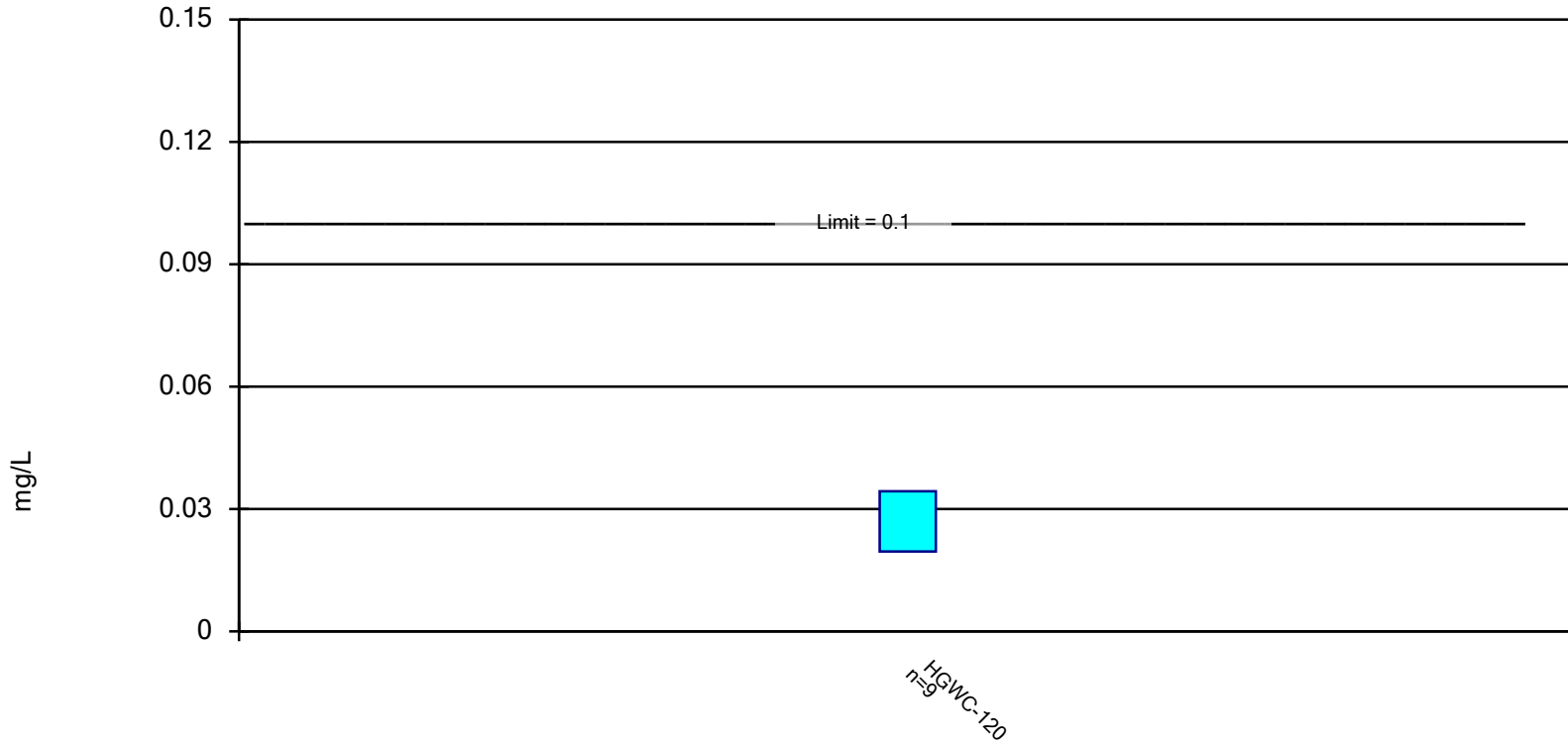
August 2019 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:21 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03436	0.0196	0.1	No	9	0.02698	0.007642	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:20 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:21 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
Mean	0.02698
Std. Dev.	0.007642
Upper Lim.	0.03436
Lower Lim.	0.0196

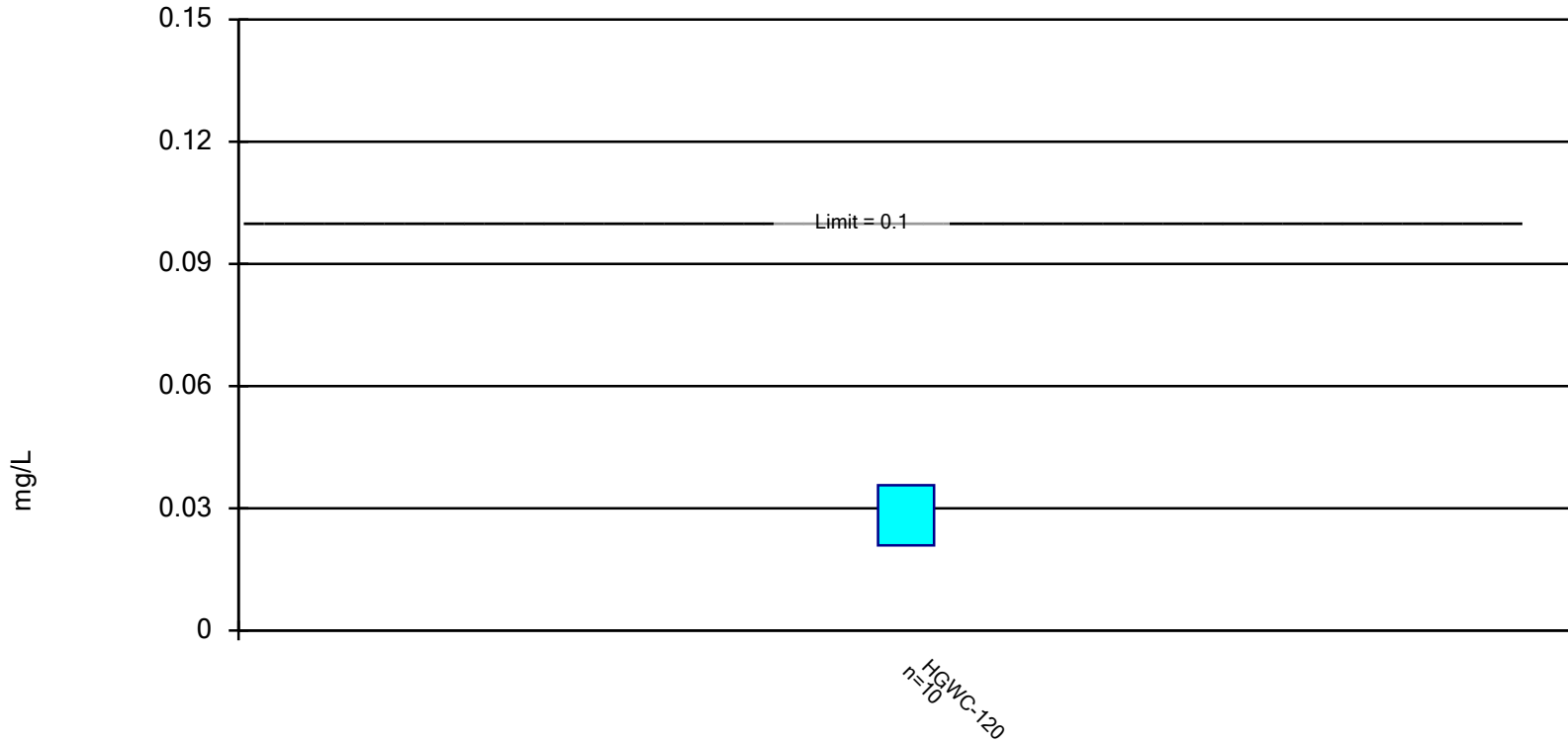
October 2019 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:15 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03568	0.02088	0.1	No	10	0.02828	0.008299	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:14 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:15 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
Mean	0.02828
Std. Dev.	0.008299
Upper Lim.	0.03568
Lower Lim.	0.02088

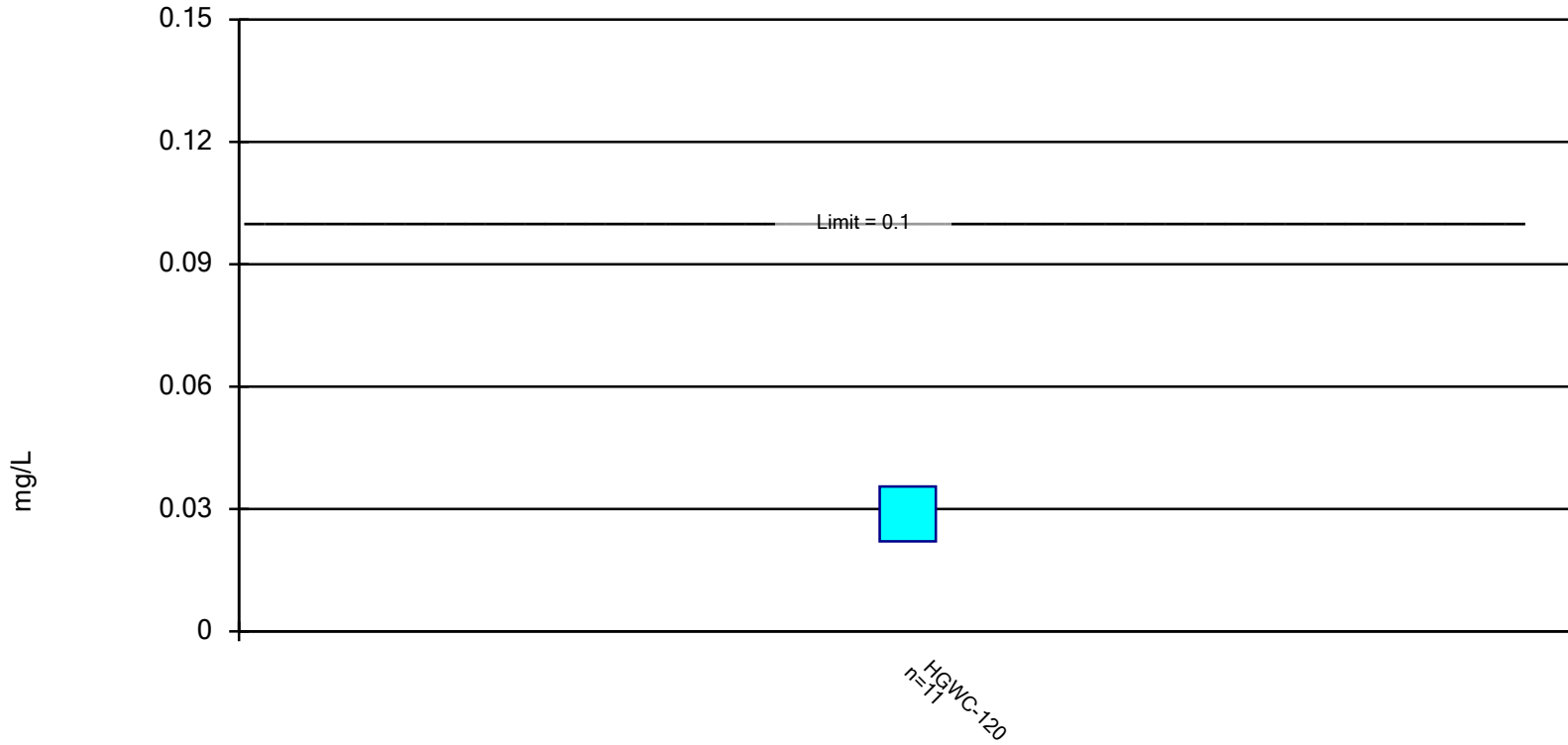
March 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:15 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03552	0.02208	0.1	No	11	0.0288	0.00806	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:15 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:15 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
Mean	0.0288
Std. Dev.	0.00806
Upper Lim.	0.03552
Lower Lim.	0.02208

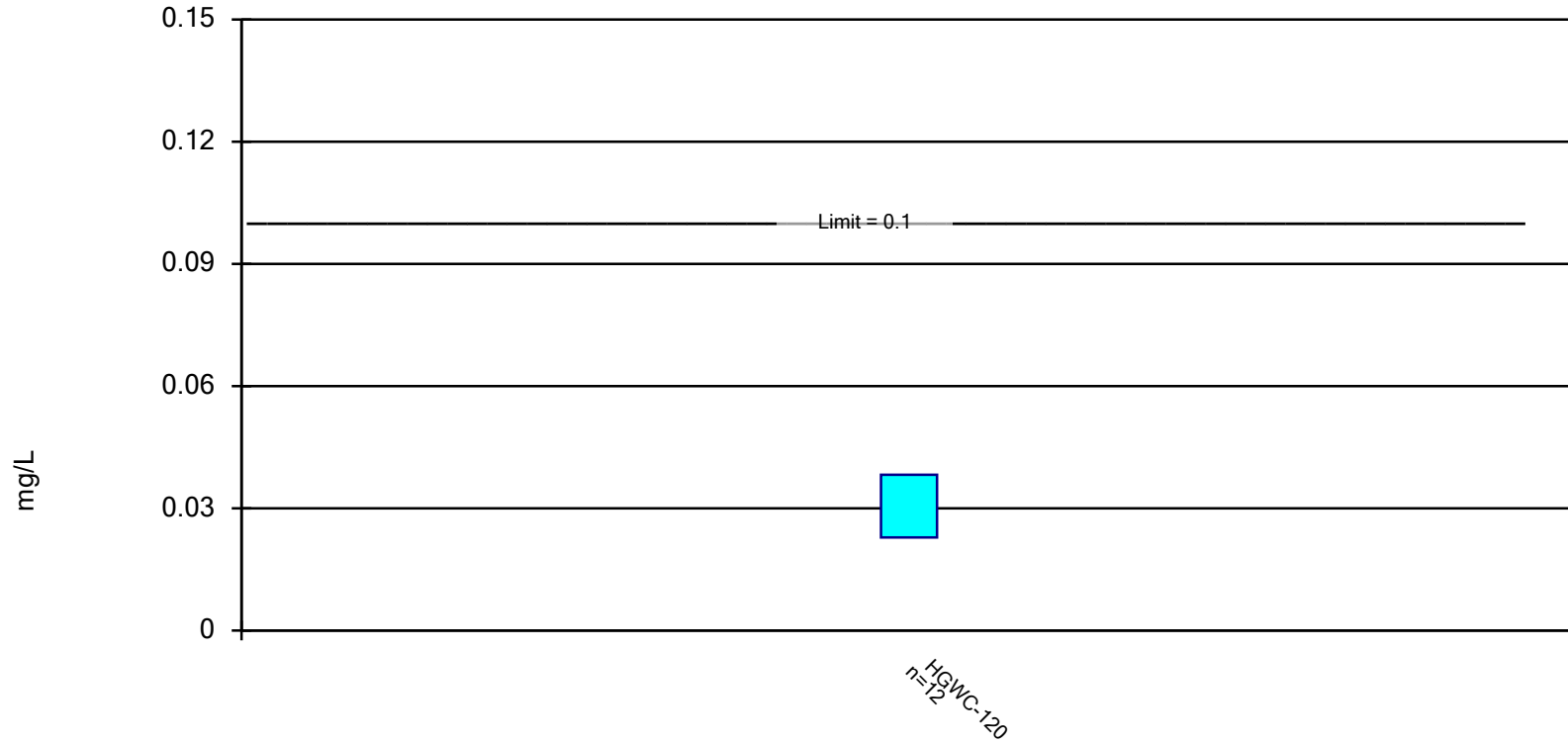
August 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03827	0.02286	0.1	No	12	0.03057	0.009824	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 1:58 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 1:58 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
8/26/2020	0.05
Mean	0.03057
Std. Dev.	0.009824
Upper Lim.	0.03827
Lower Lim.	0.02286

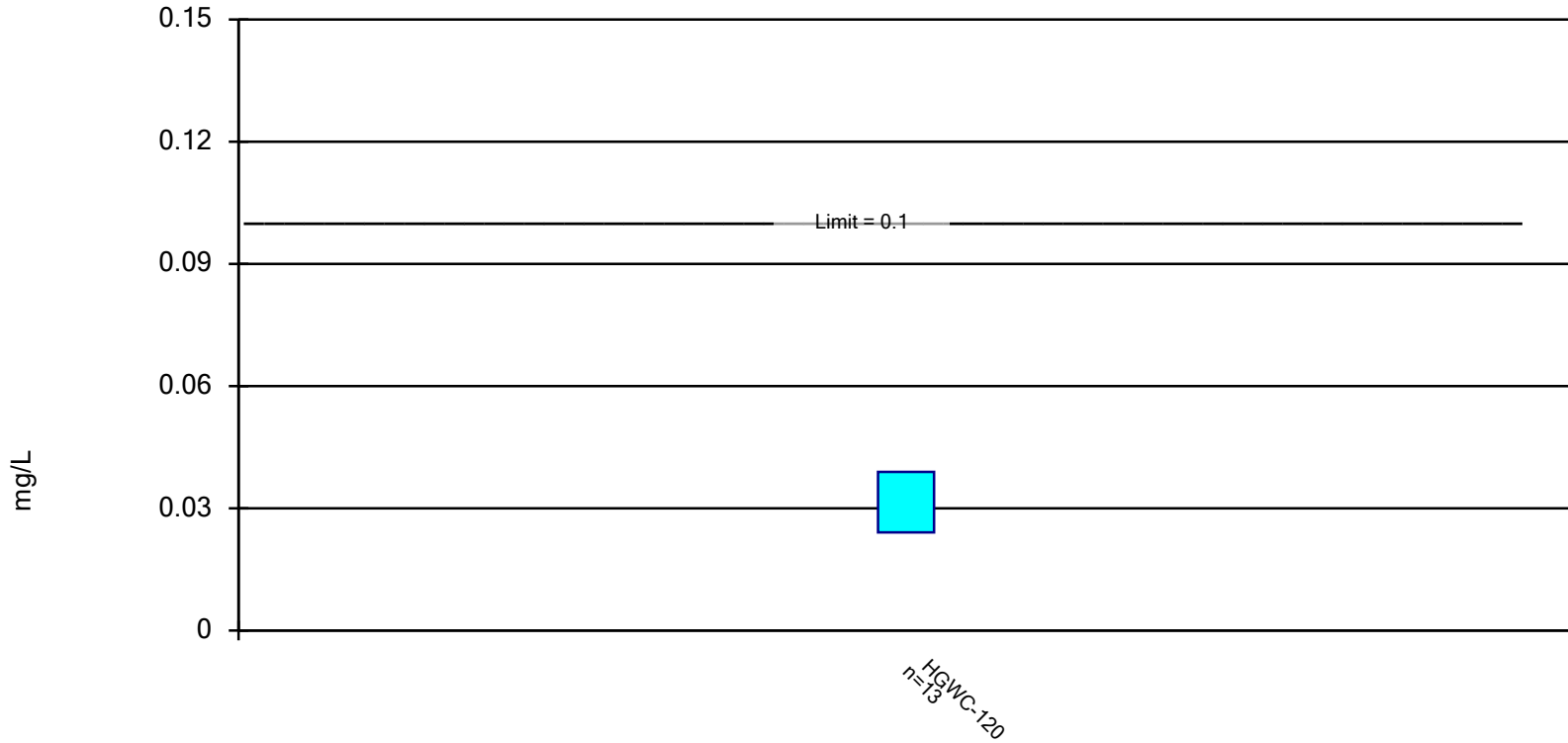
September 2020 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:16 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03897	0.02407	0.1	No	13	0.03152	0.01002	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:16 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:16 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
8/26/2020	0.05
9/21/2020	0.043
Mean	0.03152
Std. Dev.	0.01002
Upper Lim.	0.03897
Lower Lim.	0.02407

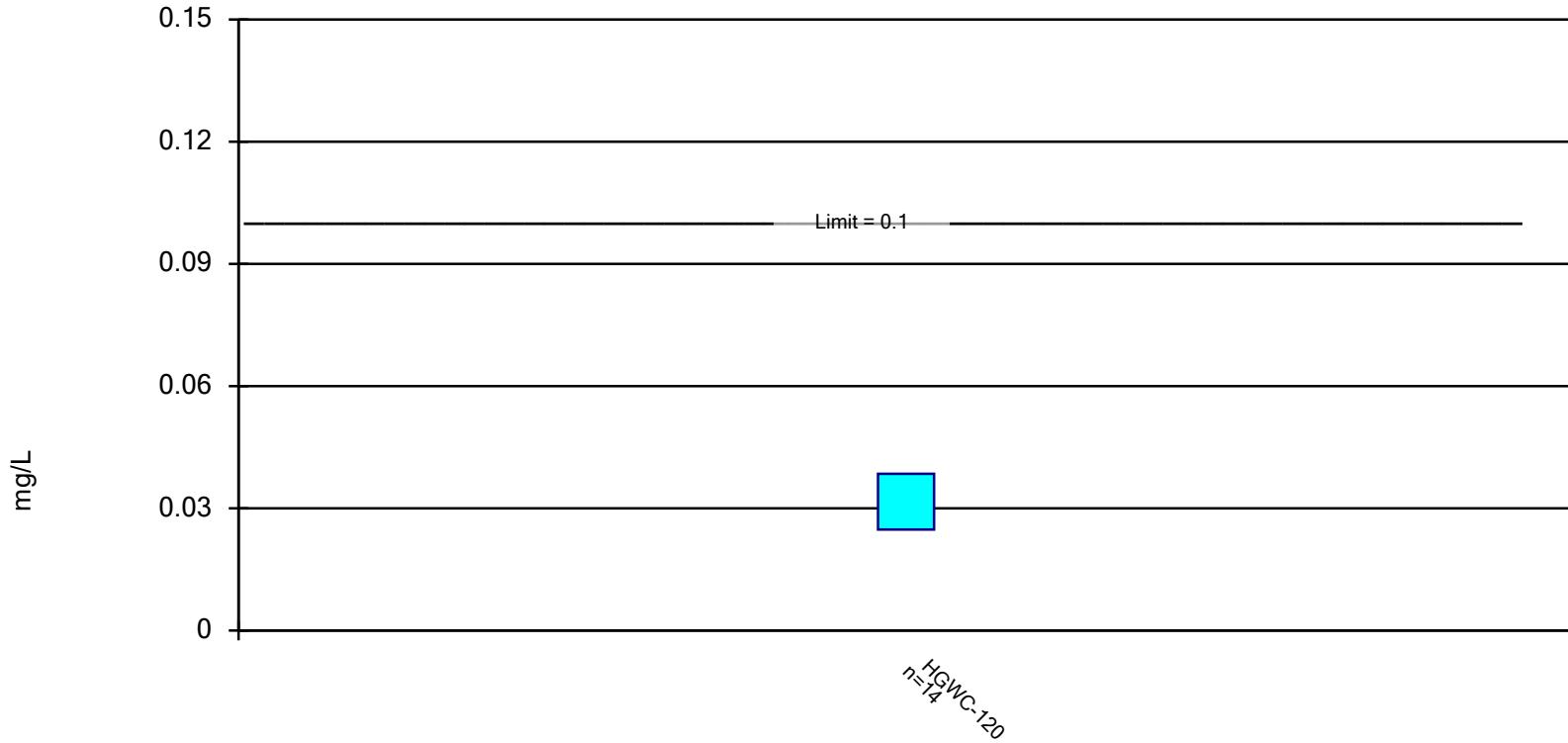
March 2021 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:17 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03845	0.02481	0.1	No	14	0.03163	0.009633	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:17 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:17 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
8/26/2020	0.05
9/21/2020	0.043
3/12/2021	0.033
Mean	0.03163
Std. Dev.	0.009633
Upper Lim.	0.03845
Lower Lim.	0.02481

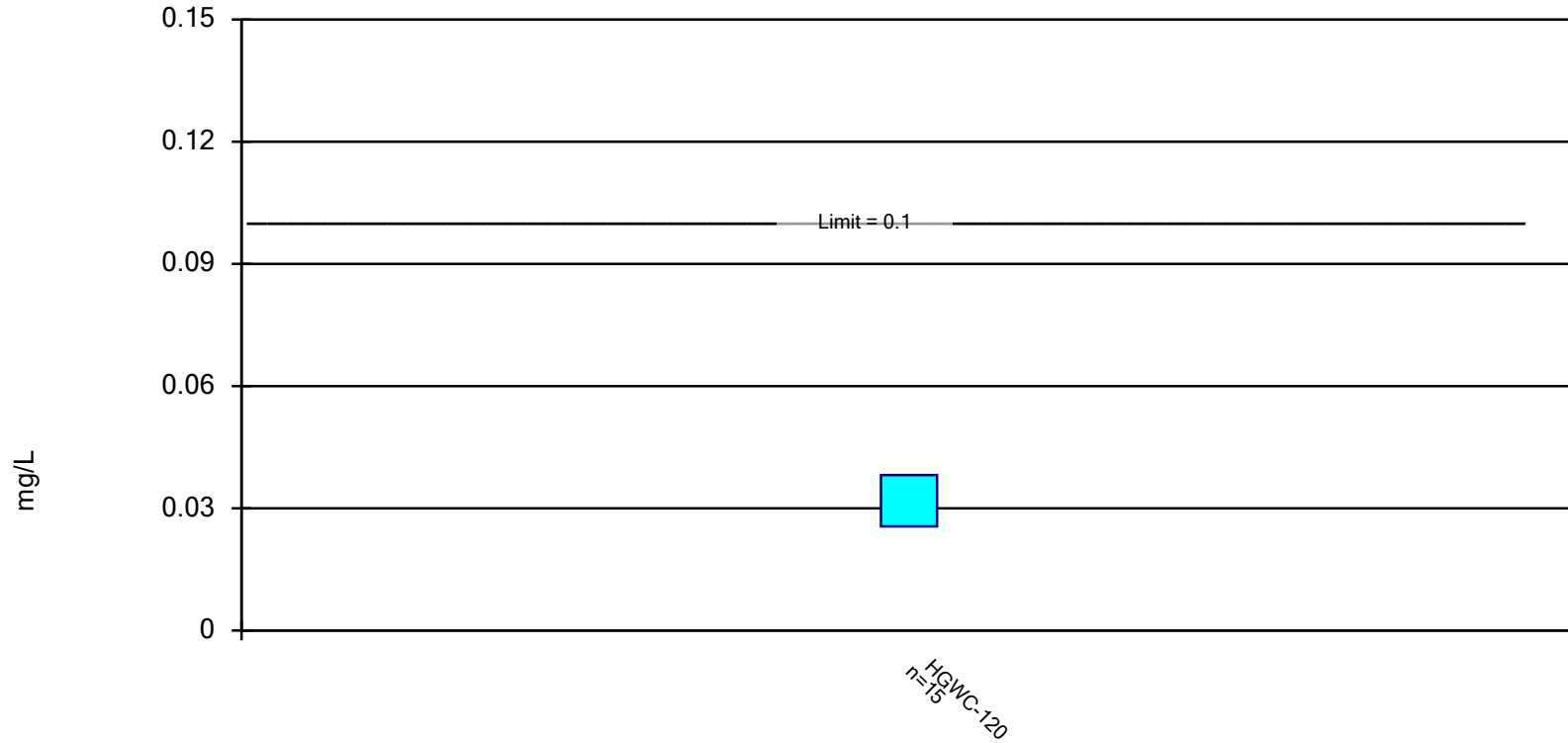
August 2021 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:18 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03817	0.02554	0.1	No	15	0.03185	0.009323	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:18 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:18 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
8/26/2020	0.05
9/21/2020	0.043
3/12/2021	0.033
8/16/2021	0.035
Mean	0.03185
Std. Dev.	0.009323
Upper Lim.	0.03817
Lower Lim.	0.02554

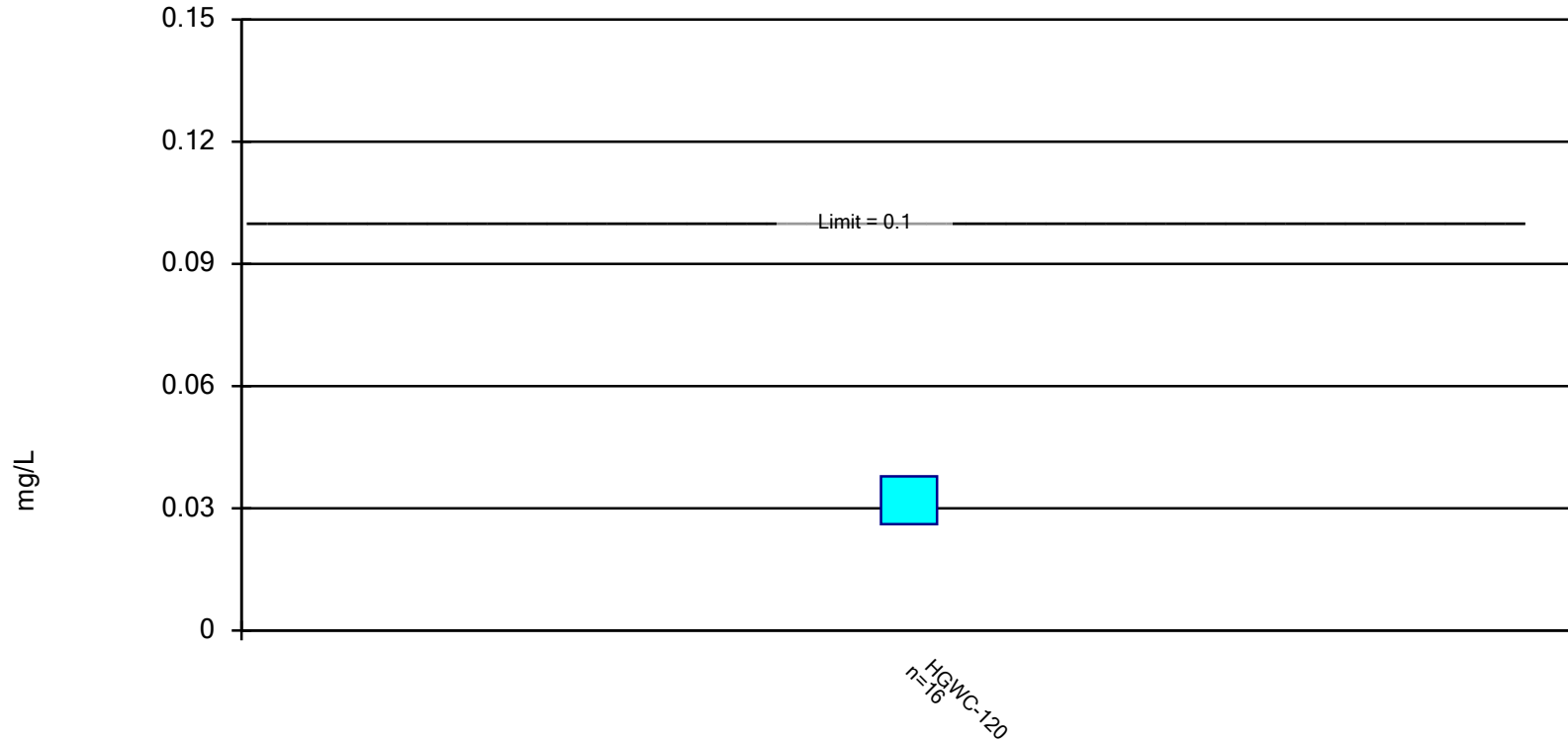
February 2022 Confidence Interval - HGWC-120

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 11:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	HGWC-120	0.03786	0.02612	0.1	No	16	0.03199	0.009023	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 11:18 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 11:19 AM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	HGWC-120
8/31/2016	0.0176
10/26/2016	0.0187
1/27/2017	0.0214
5/25/2017	0.0231
10/2/2017	0.0259
11/15/2017	0.0281
6/5/2018	0.033
10/2/2018	0.036
8/22/2019	0.039
10/22/2019	0.04
3/25/2020	0.034
8/26/2020	0.05
9/21/2020	0.043
3/12/2021	0.033
8/16/2021	0.035
2/2/2022	0.034
Mean	0.03199
Std. Dev.	0.009023
Upper Lim.	0.03786
Lower Lim.	0.02612

Confidence Intervals - Well MW-32 (Molybdenum)

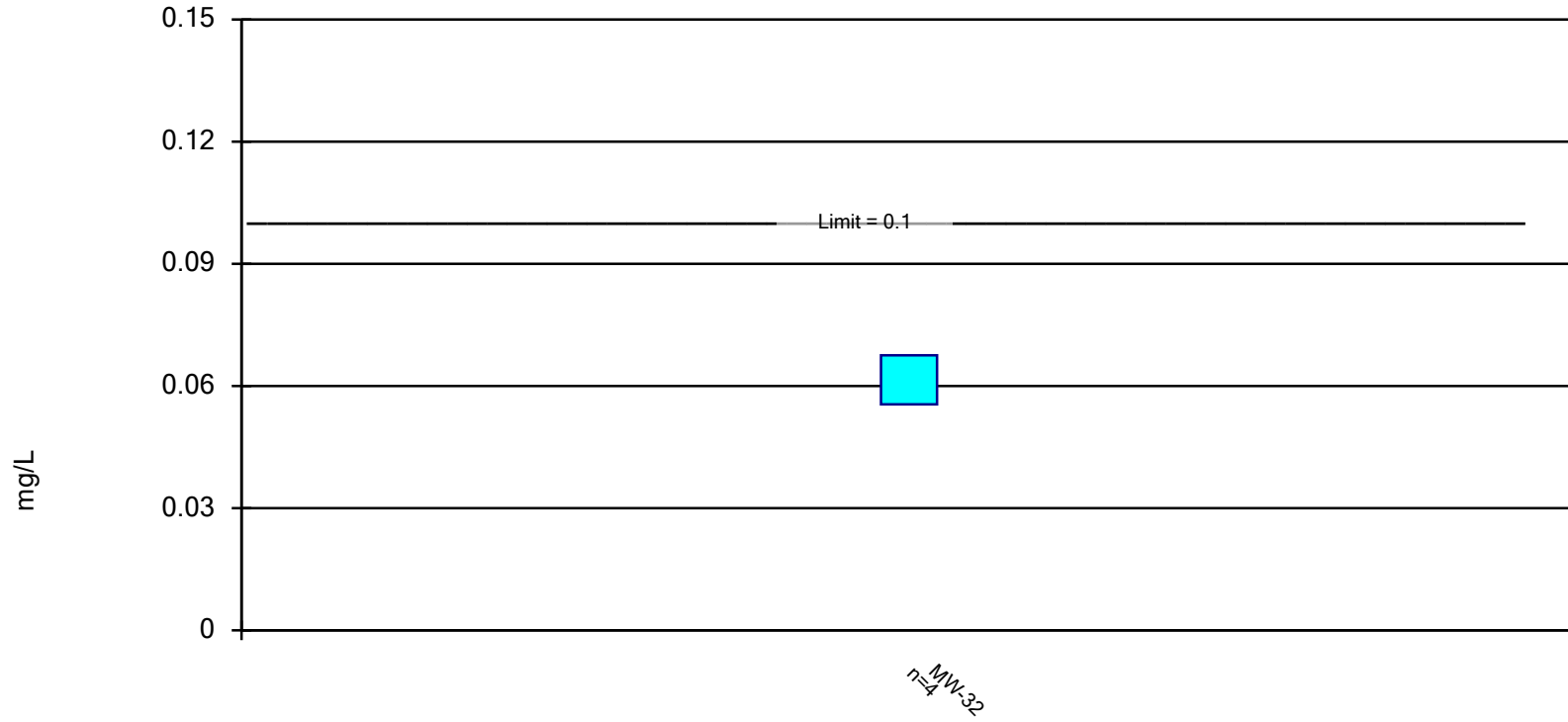
August 2020 Confidence Interval - MW-32

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 5:39 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-32	0.06751	0.05549	0.1	No	4	0.0615	0.002646	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 5:37 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 5:39 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-32
1/3/2020	0.06
1/22/2020	0.059
3/25/2020	0.062
8/26/2020	0.065
Mean	0.0615
Std. Dev.	0.002646
Upper Lim.	0.06751
Lower Lim.	0.05549

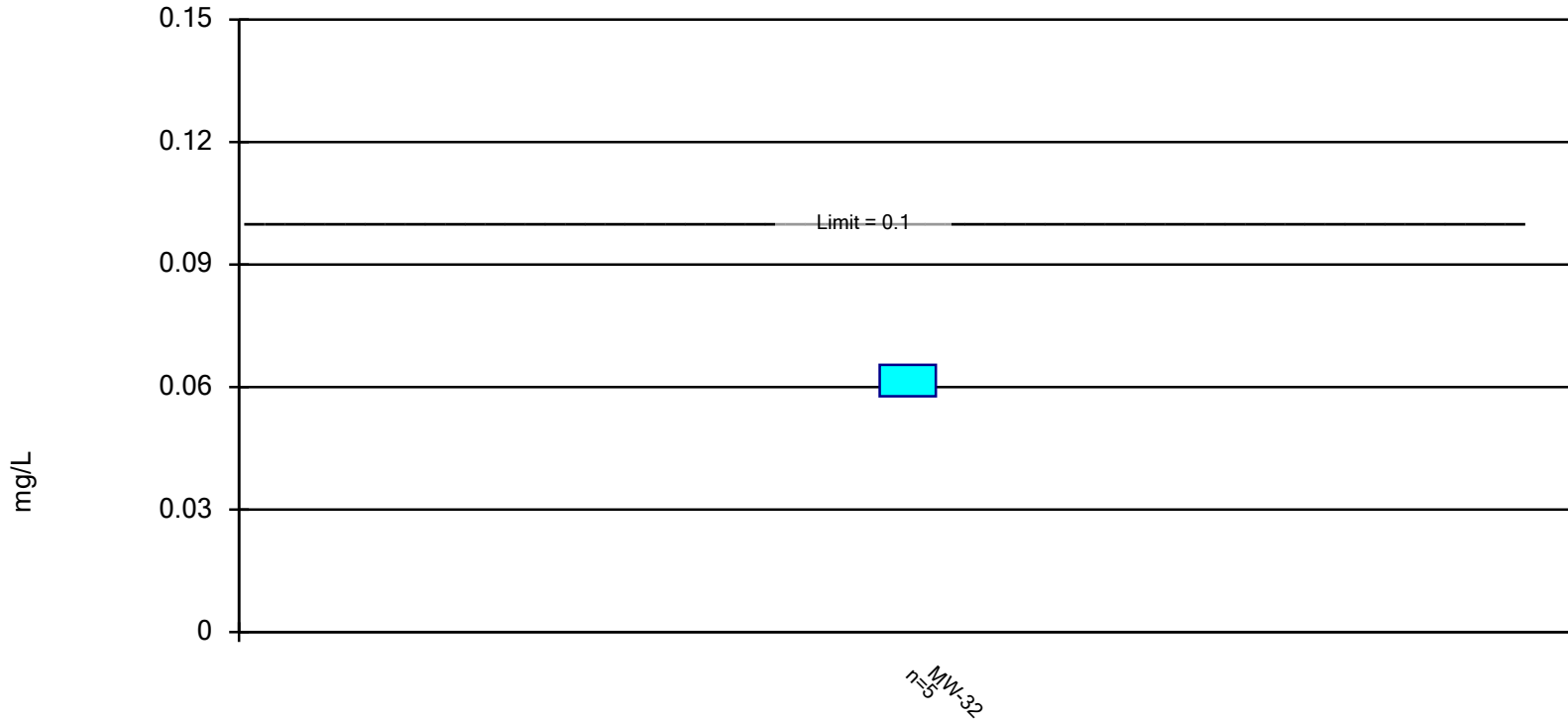
September 2020 Confidence Interval - HGWC-32

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:32 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-32	0.06546	0.05774	0.1	No	5	0.0616	0.002302	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:31 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:32 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-32
1/3/2020	0.06
1/22/2020	0.059
3/25/2020	0.062
8/26/2020	0.065
9/28/2020	0.062
Mean	0.0616
Std. Dev.	0.002302
Upper Lim.	0.06546
Lower Lim.	0.05774

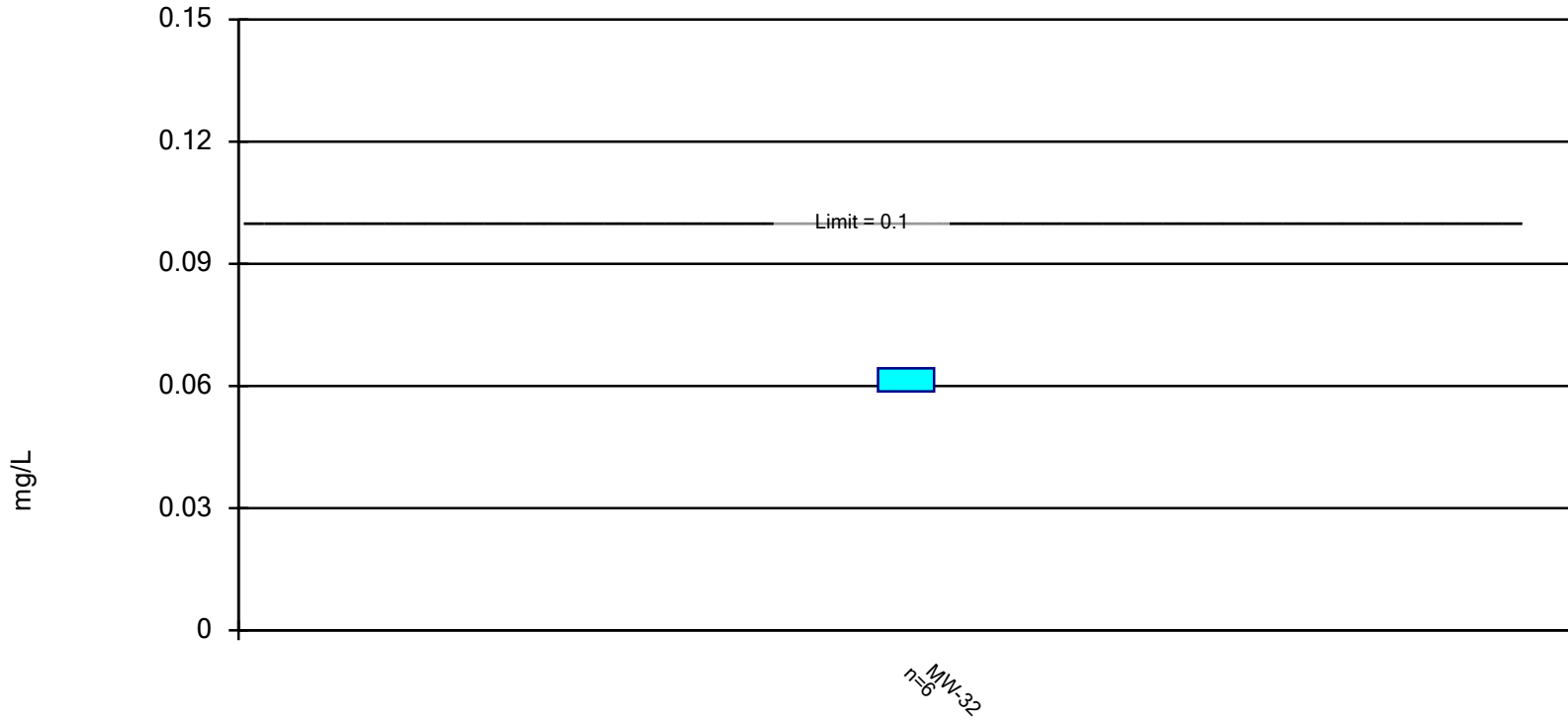
March 2021 Confidence Interval - HGWC-32

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:33 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-32	0.06435	0.05865	0.1	No	6	0.0615	0.002074	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:32 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:33 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-32
1/3/2020	0.06
1/22/2020	0.059
3/25/2020	0.062
8/26/2020	0.065
9/28/2020	0.062
3/15/2021	0.061
Mean	0.0615
Std. Dev.	0.002074
Upper Lim.	0.06435
Lower Lim.	0.05865

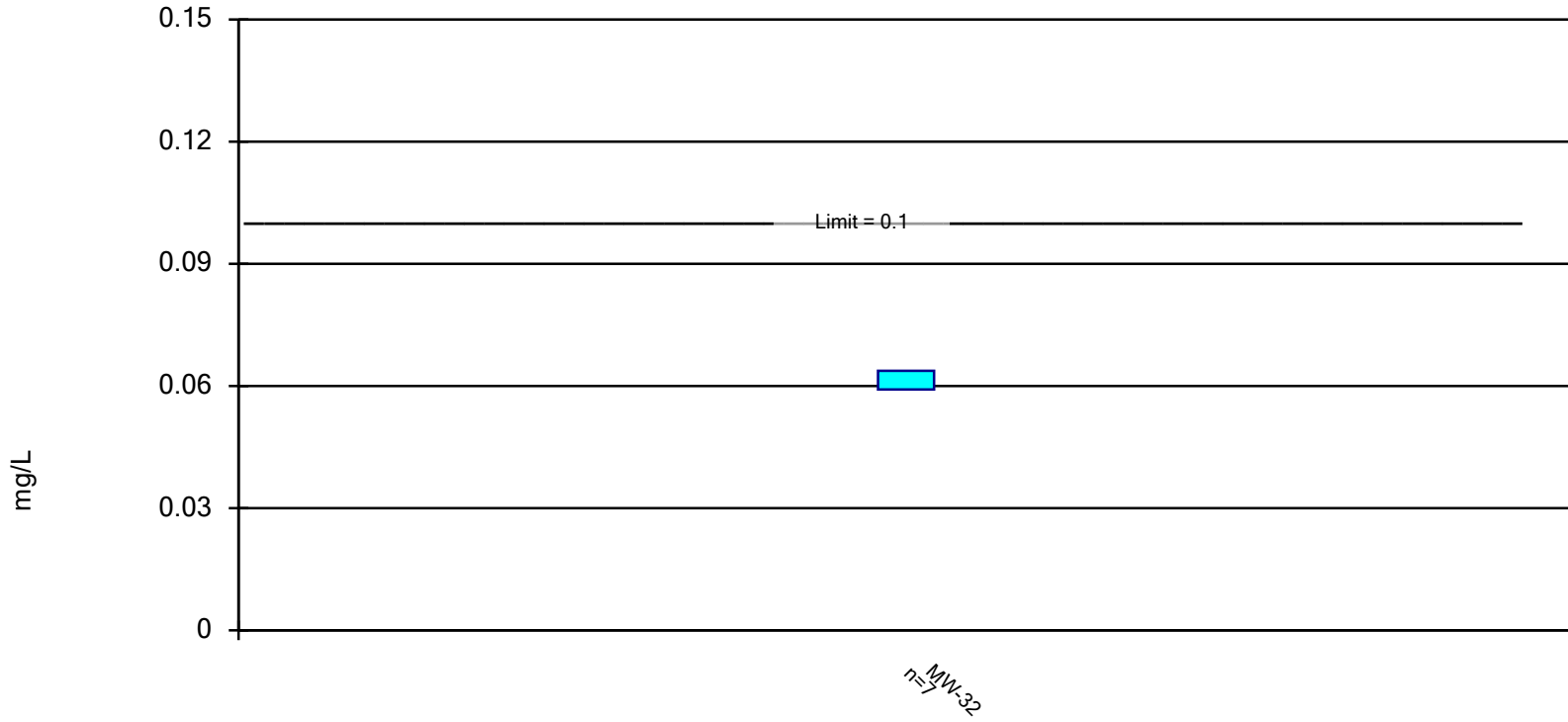
August 2021 Confidence Interval - HGWC-32

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:34 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-32	0.06369	0.05917	0.1	No	7	0.06143	0.001902	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:33 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:34 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-32
1/3/2020	0.06
1/22/2020	0.059
3/25/2020	0.062
8/26/2020	0.065
9/28/2020	0.062
3/15/2021	0.061
8/18/2021	0.061
Mean	0.06143
Std. Dev.	0.001902
Upper Lim.	0.06369
Lower Lim.	0.05917

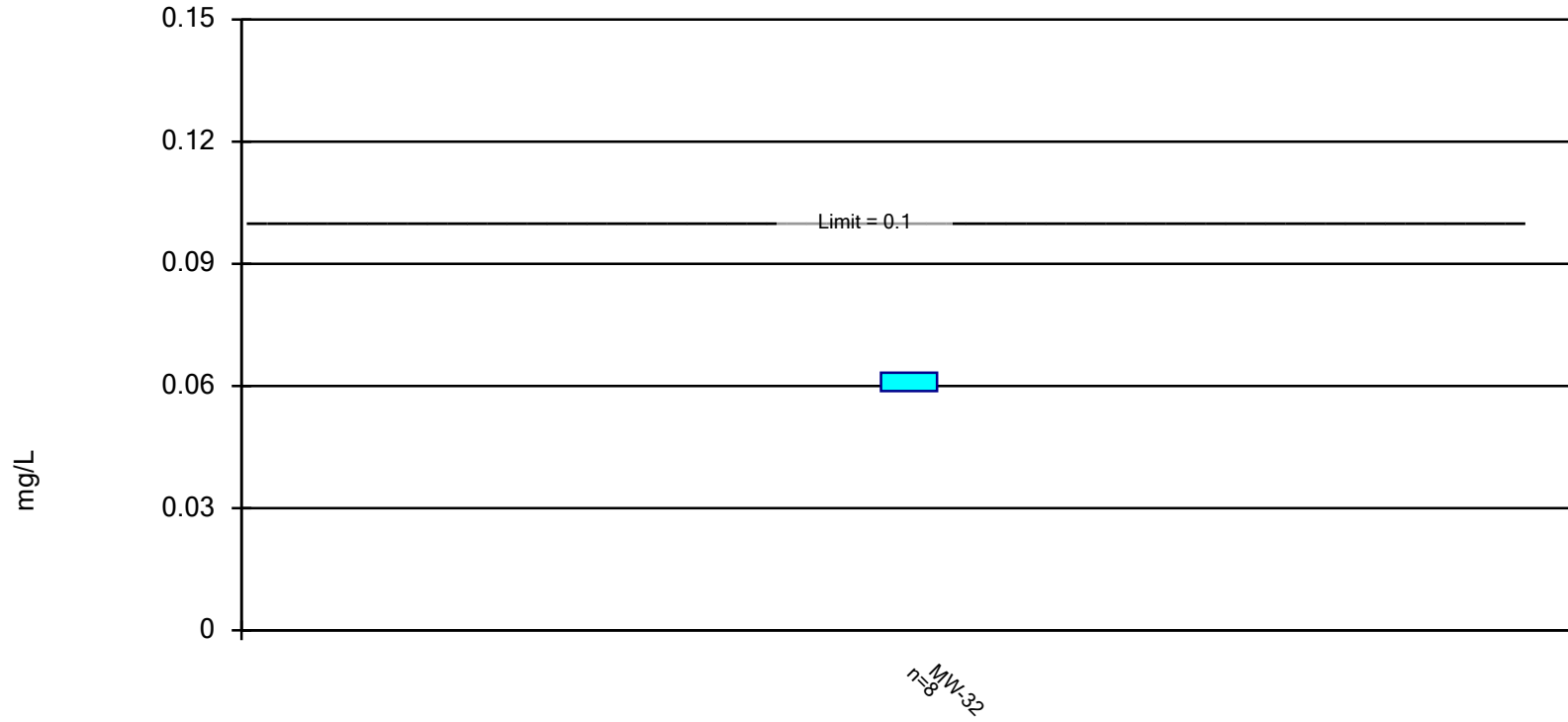
February 2022 Confidence Interval - HGWC-32

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:34 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-32	0.06327	0.05873	0.1	No	8	0.061	0.002138	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:34 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:34 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-32
1/3/2020	0.06
1/22/2020	0.059
3/25/2020	0.062
8/26/2020	0.065
9/28/2020	0.062
3/15/2021	0.061
8/18/2021	0.061
2/3/2022	0.058
Mean	0.061
Std. Dev.	0.002138
Upper Lim.	0.06327
Lower Lim.	0.05873

Confidence Intervals - Well MW-39 (Molybdenum)

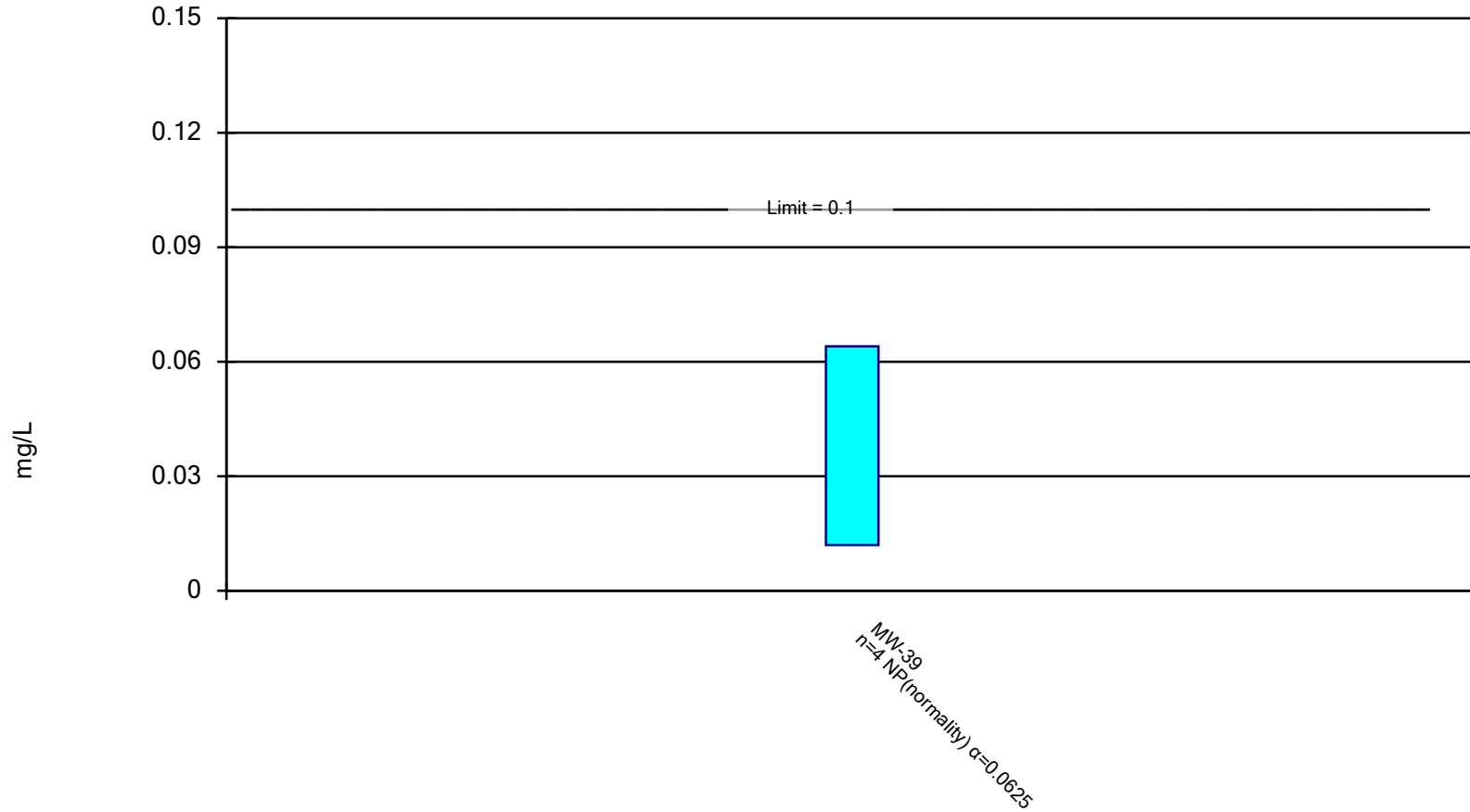
September 2020 Confidence Interval - HGWC-39

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:37 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-39	0.064	0.012	0.1	No	4	0.05	0.02535	0	None	No	0.0625	NP (normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 3/29/2022 2:36 PM View: CI - Molybdenum

Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:37 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-39
3/27/2020	0.012
4/24/2020	0.062
8/26/2020	0.064
9/28/2020	0.062
Mean	0.05
Std. Dev.	0.02535
Upper Lim.	0.064
Lower Lim.	0.012

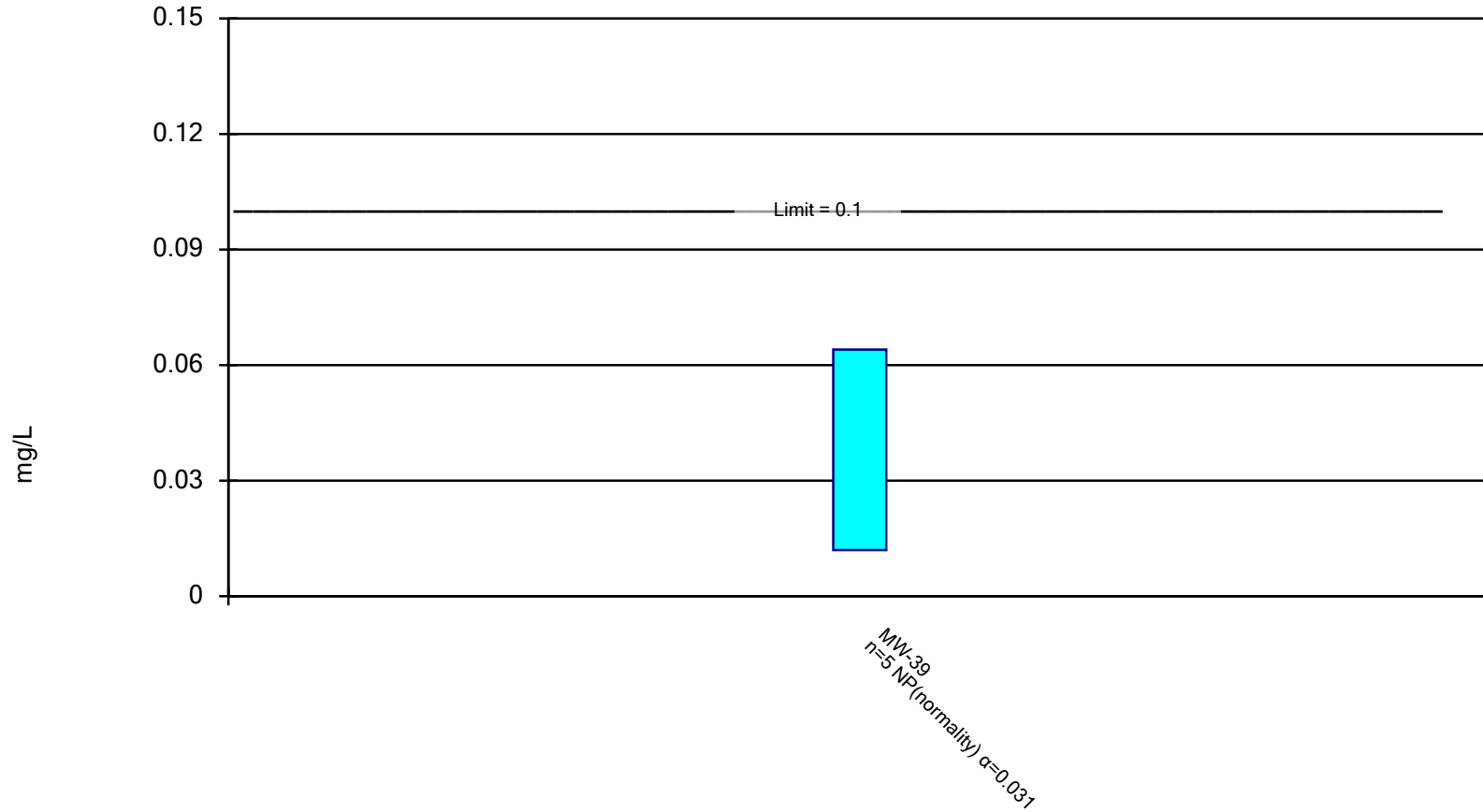
March 2021 Confidence Interval - HGWC-39

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-39	0.064	0.012	0.1	No	5	0.0524	0.0226	0	None	No	0.031	NP (normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 3/29/2022 2:38 PM View: CI - Molybdenum

Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:39 PM View: CI -Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-39
3/27/2020	0.012
4/24/2020	0.062
8/26/2020	0.064
9/28/2020	0.062
3/15/2021	0.062
Mean	0.0524
Std. Dev.	0.0226
Upper Lim.	0.064
Lower Lim.	0.012

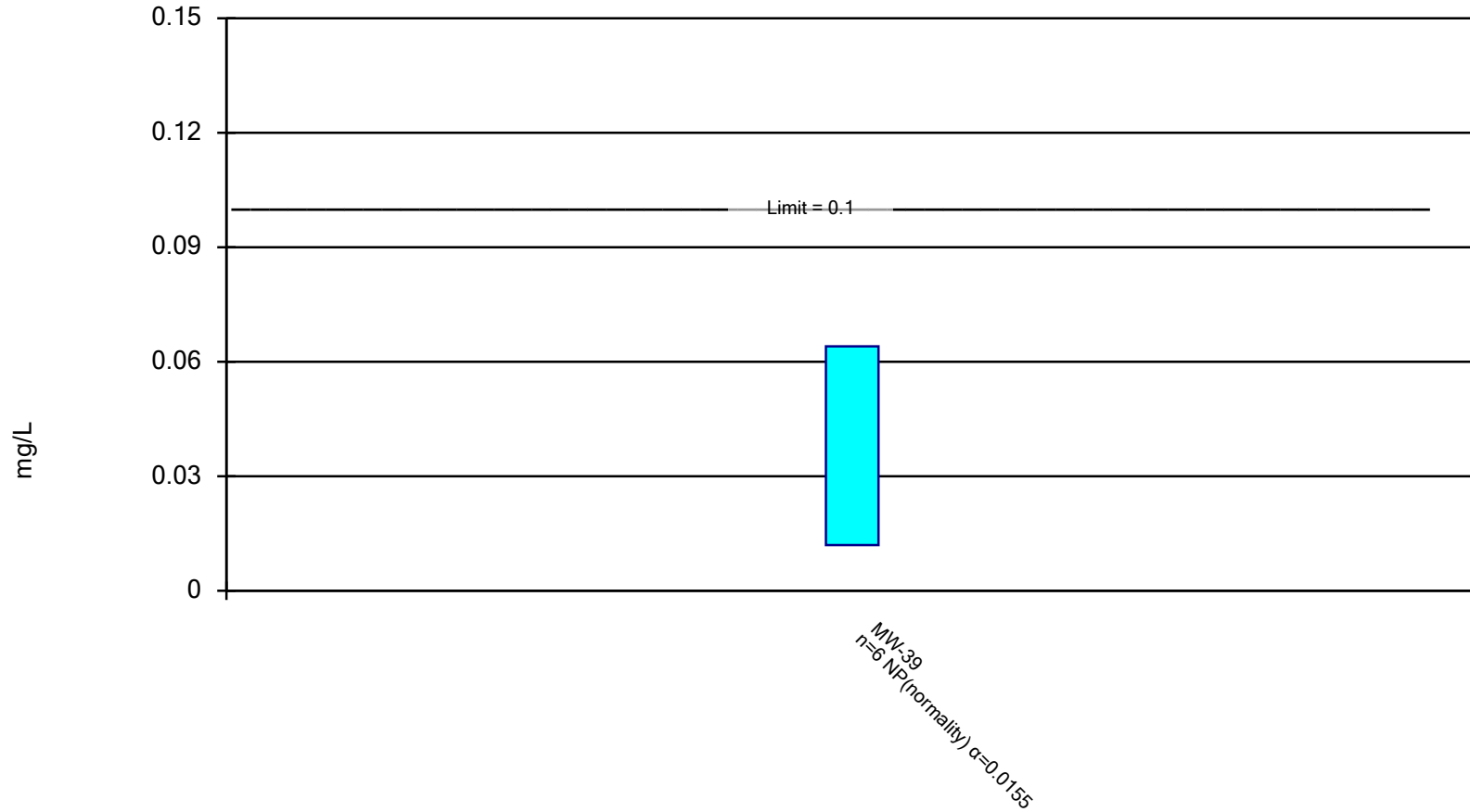
August 2021 Confidence Interval - HGWC-39

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:39 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-39	0.064	0.012	0.1	No	6	0.05417	0.02067	0	None	No	0.0155NP	(normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 3/29/2022 2:39 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:39 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-39
3/27/2020	0.012
4/24/2020	0.062
8/26/2020	0.064
9/28/2020	0.062
3/15/2021	0.062
8/18/2021	0.063
Mean	0.05417
Std. Dev.	0.02067
Upper Lim.	0.064
Lower Lim.	0.012

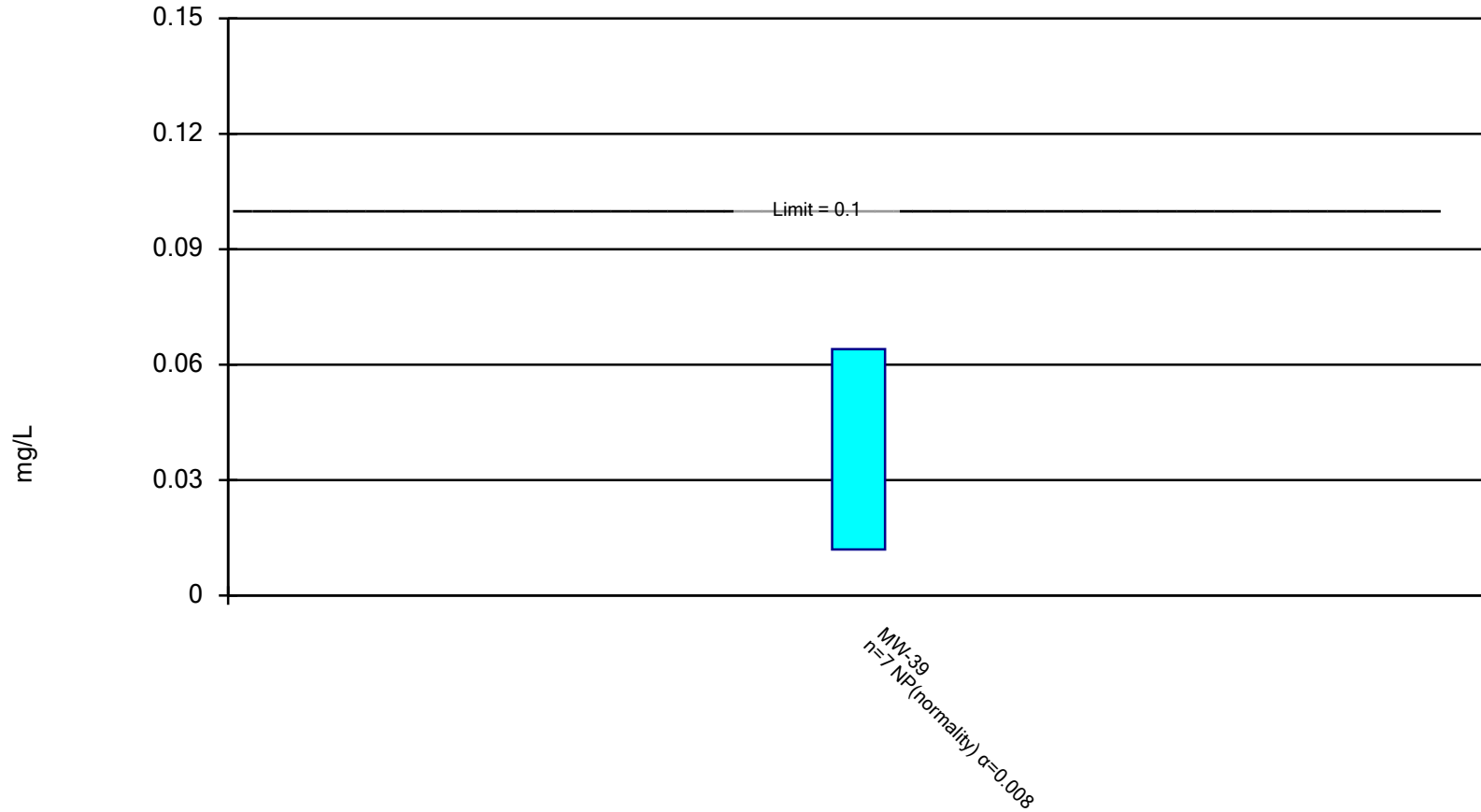
February 2022 Confidence Interval - HGWC-39

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:40 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-39	0.064	0.012	0.1	No	7	0.05529	0.0191	0	None	No	0.008	NP (normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 3/29/2022 2:40 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:40 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-39
3/27/2020	0.012
4/24/2020	0.062
8/26/2020	0.064
9/28/2020	0.062
3/15/2021	0.062
8/18/2021	0.063
2/2/2022	0.062
Mean	0.05529
Std. Dev.	0.0191
Upper Lim.	0.064
Lower Lim.	0.012

Confidence Intervals - Well MW-41 (Molybdenum)

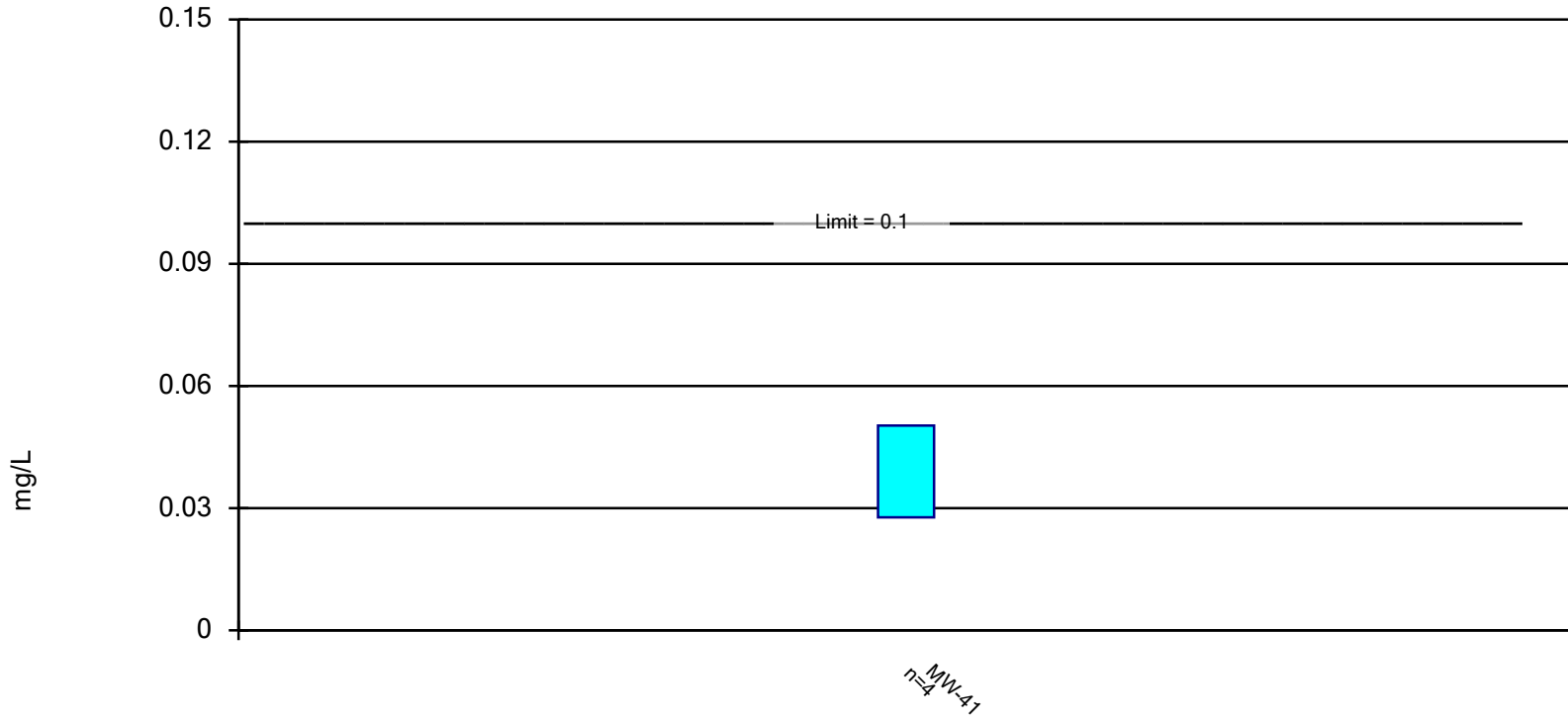
March 2021 Confidence Interval - HGWC-41

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:41 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-41	0.05028	0.02772	0.1	No	4	0.039	0.004967	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:41 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:42 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-41
6/15/2020	0.035
8/26/2020	0.039
9/28/2020	0.036
3/15/2021	0.046
Mean	0.039
Std. Dev.	0.004967
Upper Lim.	0.05028
Lower Lim.	0.02772

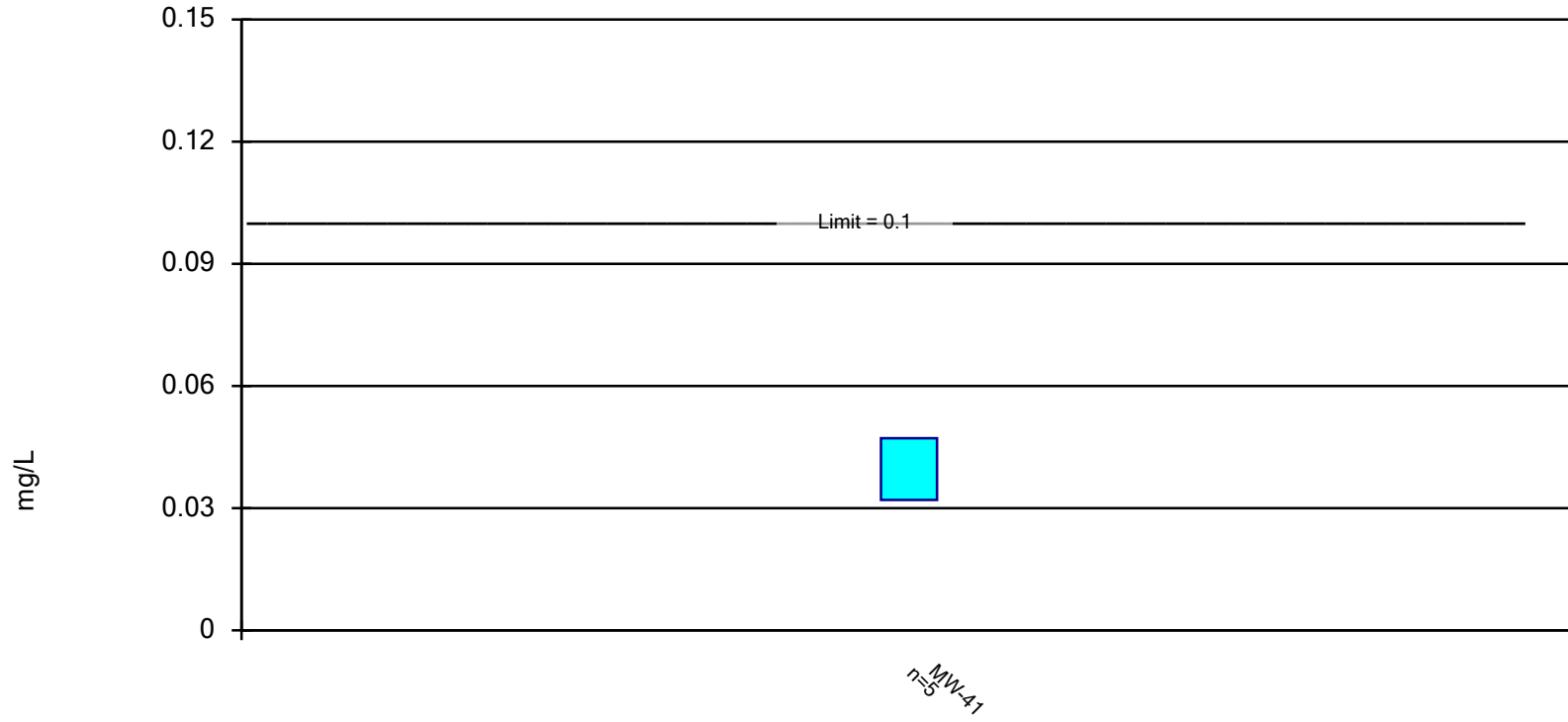
August 2021 Confidence Interval - HGWC-41

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:42 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-41	0.04715	0.03205	0.1	No	5	0.0396	0.004506	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:42 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:42 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-41
6/15/2020	0.035
8/26/2020	0.039
9/28/2020	0.036
3/15/2021	0.046
8/18/2021	0.042
Mean	0.0396
Std. Dev.	0.004506
Upper Lim.	0.04715
Lower Lim.	0.03205

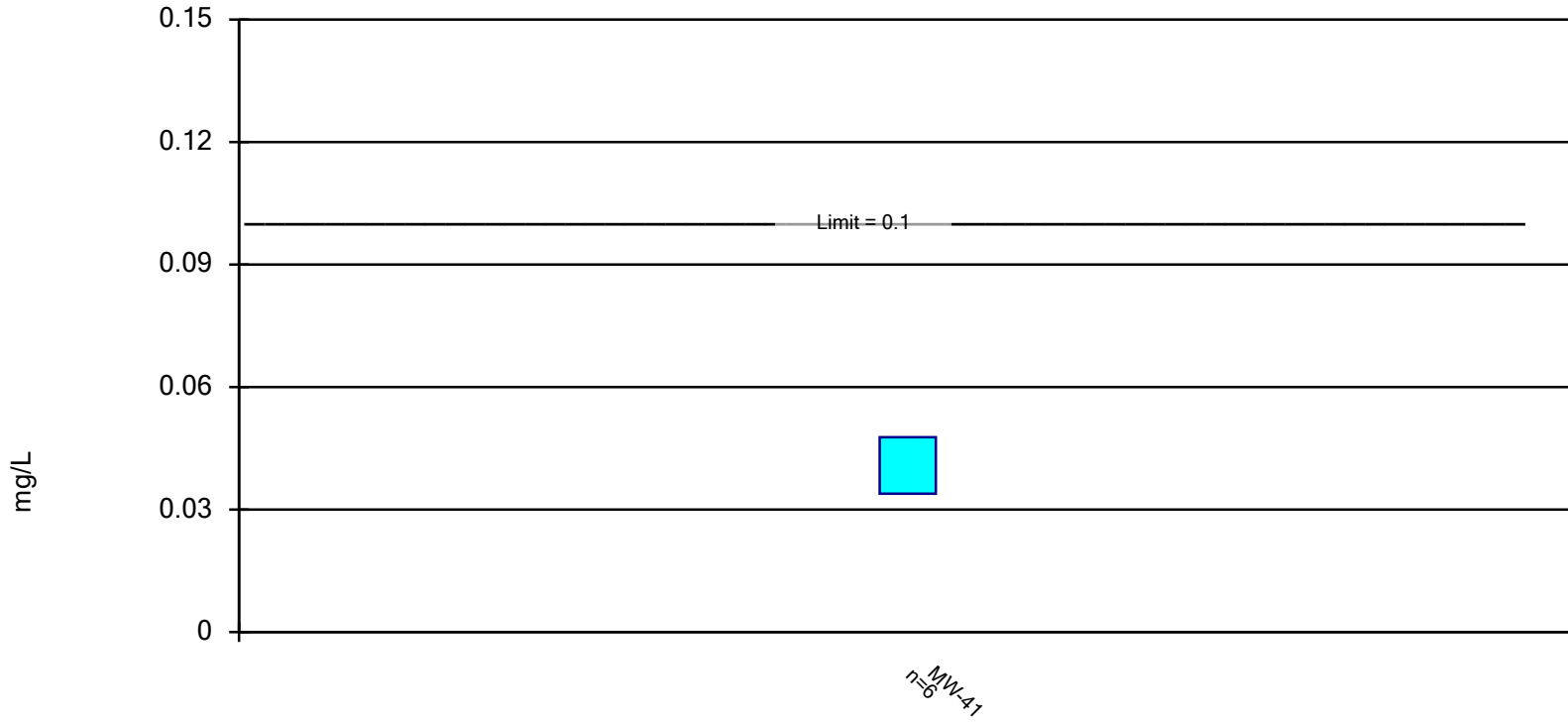
February 2022 Confidence Interval - HGWC-41

Plant Hammond Client: Southern Company Data: Hammond AP-3 Printed 3/29/2022, 2:43 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum (mg/L)	MW-41	0.04775	0.03391	0.1	No	6	0.04083	0.005037	0	None	No	0.01	Param.

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 3/29/2022 2:43 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/29/2022 2:43 PM View: CI - Molybdenum
Plant Hammond Client: Southern Company Data: Hammond AP-3

	MW-41
6/15/2020	0.035
8/26/2020	0.039
9/28/2020	0.036
3/15/2021	0.046
8/18/2021	0.042
2/2/2022	0.047
Mean	0.04083
Std. Dev.	0.005037
Upper Lim.	0.04775
Lower Lim.	0.03391