

Test Monitoring Center

https://www.astmtmc.org

ASTM Reference Testing Semi-Annual Report ASTM D6594 - HTCBT

October 2022

HTCBT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	289
Failed Calibration Test	OC	16**
Operationally Invalid, by lab	LC	1
Aborted Calibration Test	XC	4
Acceptable Shakedown Run	NN	3
Unacceptable Shakedown Run	MN	2
Invalid Shakedown Run	LN	1
Total		316

10 labs reported data

** Two results significantly deviating from the expected targets are impacting the plot summaries.



^{*}April 1, 2022 – September 30, 2022

HTCBT Failed Tests

Failed Parameter	Number of Tests
Severe Lead Concentration	3
Mild Copper Concentration	8
Severe Copper Concentration	5
Total	16



HTCBT Failed Tests by Lab

Failed Parameter		LTMS Lab							#
		Е	G	1	V	BB	BC	BE	<i>π</i>
Severe Lead Concentration	0	0	2	1	0	0	0	0	3
Mild Copper Concentration	0	0	5	3	0	0	0	0	8
Severe Copper Concentration	1	0	0	1	3	0	0	0	5
Total	1	0	7	5	3	0	0	0	16



HTCBT Lost Tests*

Status	Cause	#
Invalid	Temperature/Heater Malfunction	2
Invalid	Power Outage	2
Invalid	Sample Spill/Contamination	1
Total		5

*Invalid and aborted calibration tests



HTCBT Lost Tests by Lab

Cause		LTMS Lab							#
		Е	G	- 1	V	BB	ВС	BE	π
Temperature/Heater Malfunction	0	0	1	1	0	0	0	0	2
Power Outage	0	0	0	0	0	0	1	0	1
Sample Spill/Contamination	0	0	0	1	1	0	0	0	2
Total	0	0	1	2	1	0	1	0	5



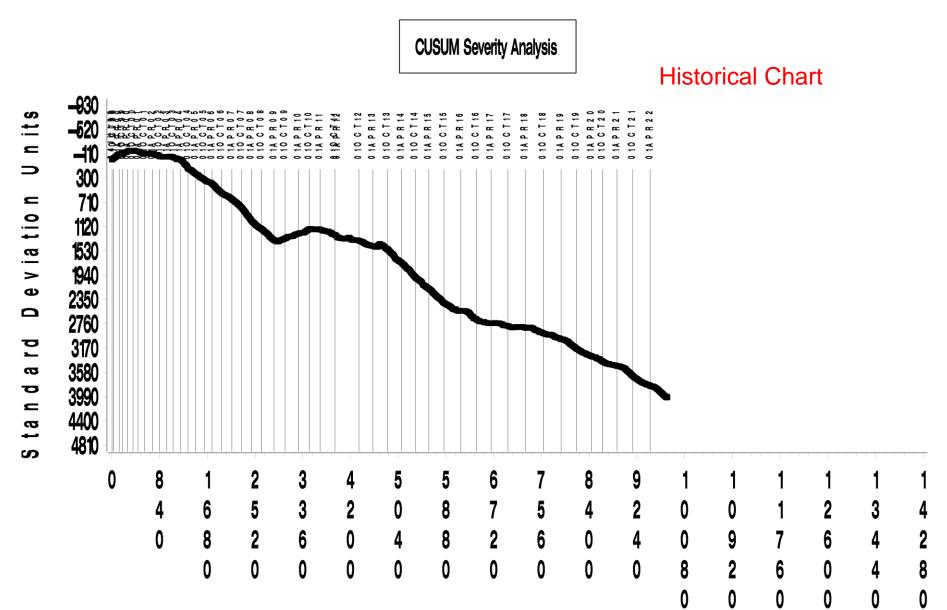
HTCBT Test Severity

- Copper concentration trending severe
- Lead concentration trending severe





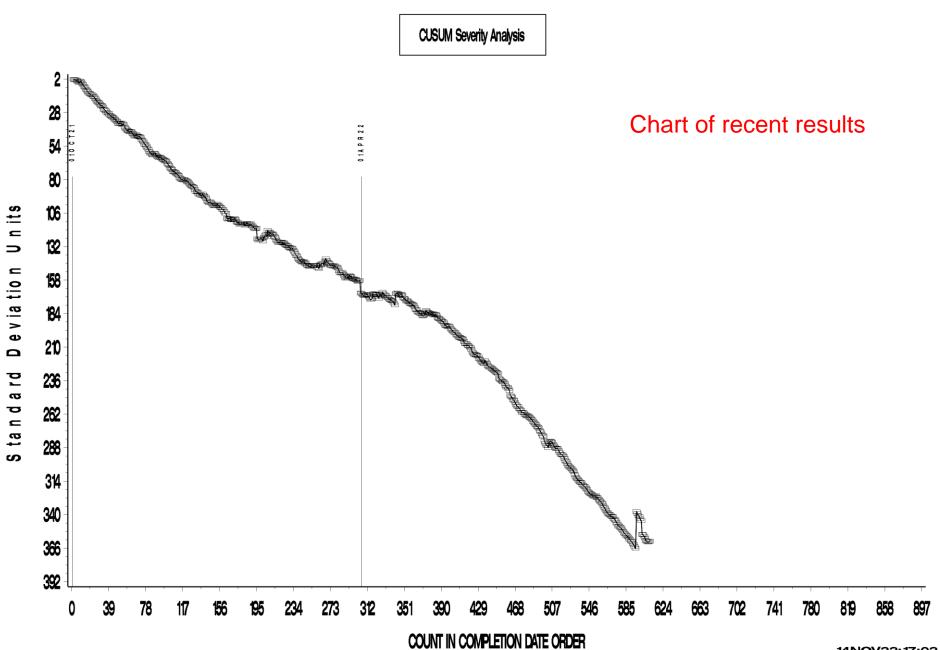
COPPER CHANGE (ppm)



COUNT IN COMPLETION DATE ORDER

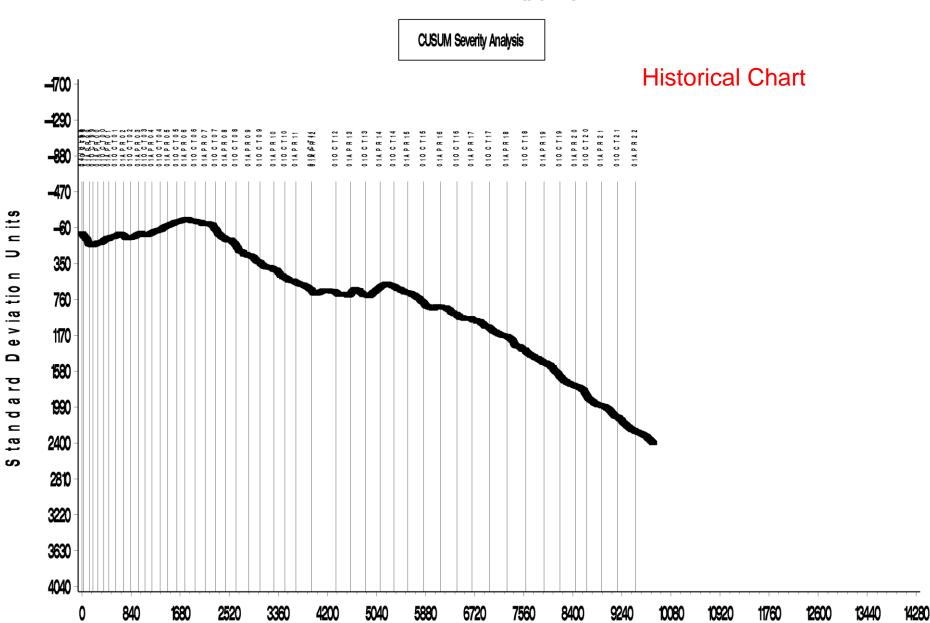


COPPER CHANGE (ppm)



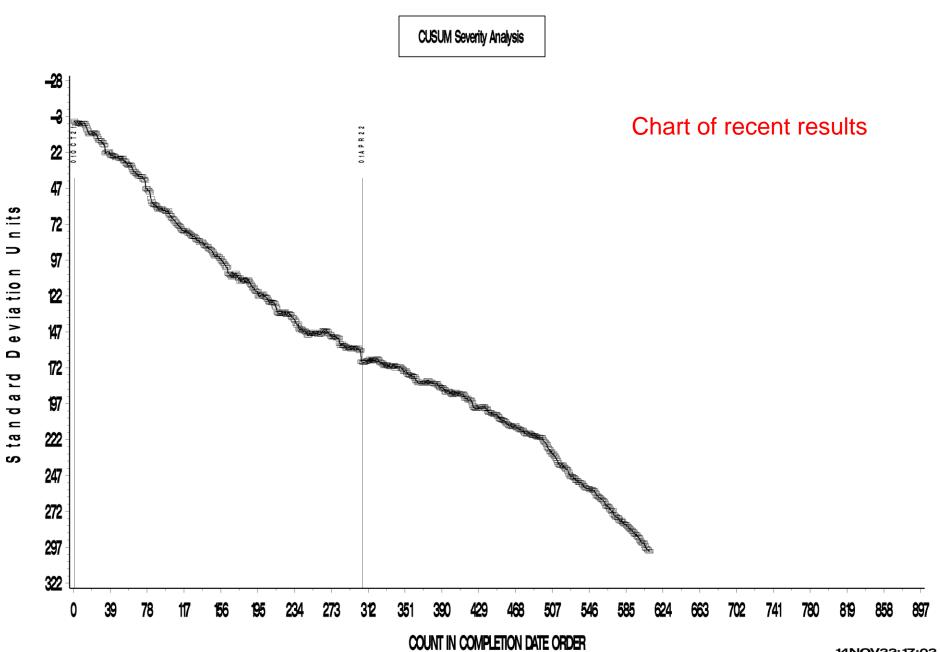


LEAD CHANGE (ppm)

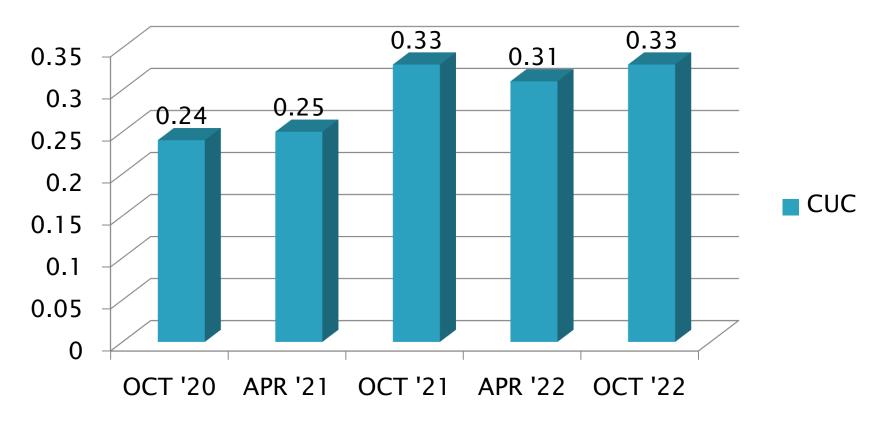




LEAD CHANGE (ppm)



HTCBT Precision Estimates

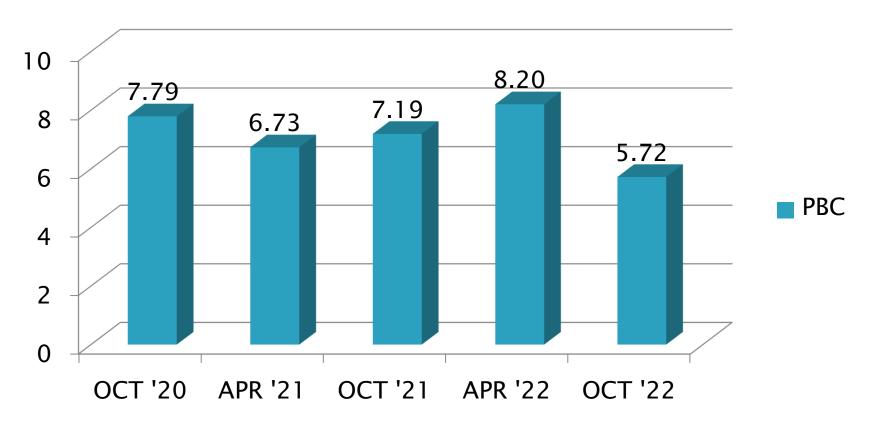


^{**} Two results significantly deviating from the expected targets are impacting the plot summaries.



HTCBT Precision Estimates

PBC





Information Letters*

Test	Date	IL	Topic			
			No information letters this period.			

*Available from TMC Website



Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months (gallons)	Lab Inventory (samples)	Estimated Life
44-4	4.5	2.7	76	<1 year
1005-5	1.6 (remaining in reserved drum – Additional oil available at the TMC)	6.8	156	1.5 years

 Re-blended oil 44-5 is available at the TMC and is currently being evaluated by the surveillance panel to establish targets



Miscellaneous Information

- Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- https://www.astmtmc.org/



