

Test Monitoring Center

http://astmtmc.cmu.edu

ASTM Reference Testing Semi-Annual Report ASTM D6594 - HTCBT

October 2020

HTCBT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	188
Failed Calibration Test	OC	8
Operationally Invalid, by lab	LC	4
Acceptable Shakedown Run	NN	4
Unacceptable Shakedown Run	MN	4
Total		208

- 8 labs reported data
- Working to coordinate with SP chair to add HTCBT to the LTMS

HTCBT Failed Tests

Failed Parameter	Number of Tests
Severe Lead Concentration	2
Severe Copper Concentration	1
Severe Copper & Lead Concentration	3
Mild Copper Concentration	1
Mild Copper Concentration & Severe Lead Concentration	1
Total	8

HTCBT Failed Tests by Lab

Failed Parameter		LTMS Lab			
rancu raiametei	Α	Е	1	V	π
Severe Lead Concentration	0	1	0	1	2
Severe Copper Concentration	1	0	0	0	1
Severe Copper & Lead Concentration	3	0	0	0	3
Mild Copper Concentration	0	0	1	0	1
Mild Copper Concentration & Severe Lead Concentration	1	0	0	0	1
Total	5	1	1	1	8

HTCBT Lost Tests*

Status	Cause			
Invalid	Heater Malfunction	1		
Invalid	Airflow Control Problems	1		
Invalid	Sample Contamination	1		
Invalid	Improper Coupon Preparation	1		
Total		4		

*Invalid and aborted calibration tests



HTCBT Lost Tests by Lab

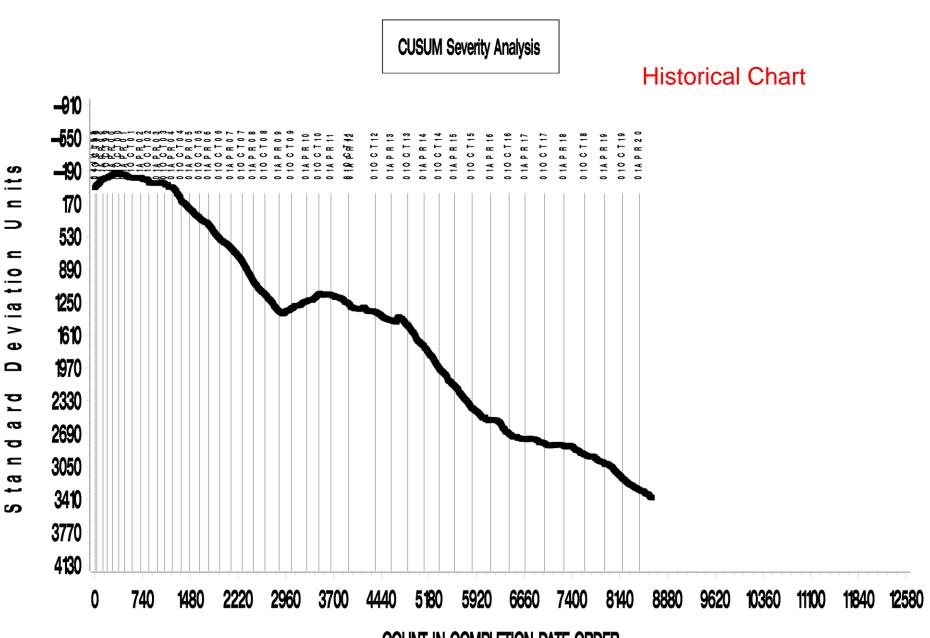
Cause0		LTMS Lab			
		G		L	π
Heater Malfunction	0	0	1	0	1
Airflow Control Problems	0	1	0	0	1
Sample Contamination	1	0	0	0	1
Improper Coupon Preparation	0	0	0	1	1
Total	1	1	1	1	4

HTCBT Test Severity

- Copper concentration trending severe
- Lead concentration trending severe

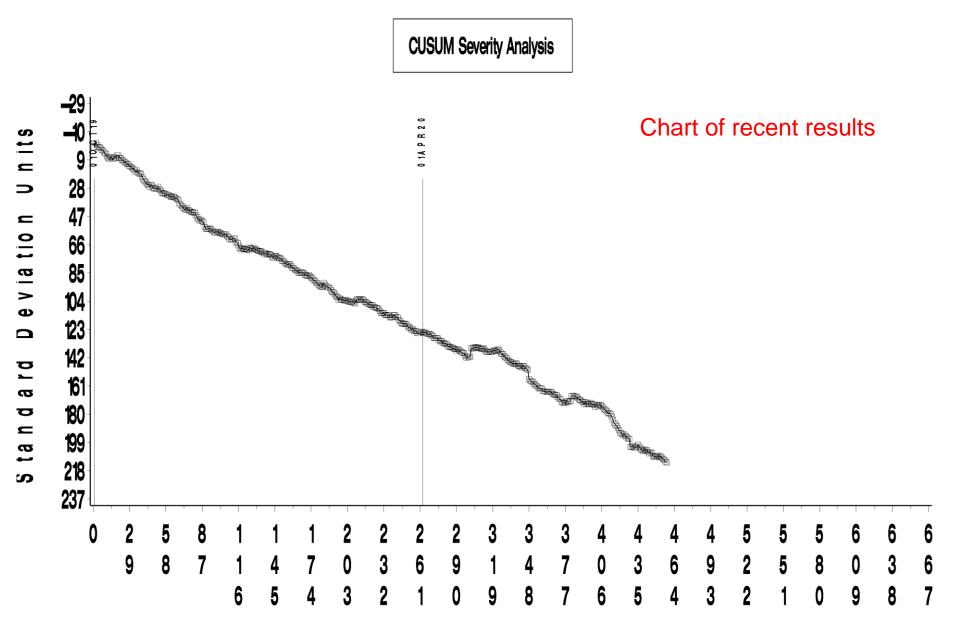


COPPER CHANGE (ppm)



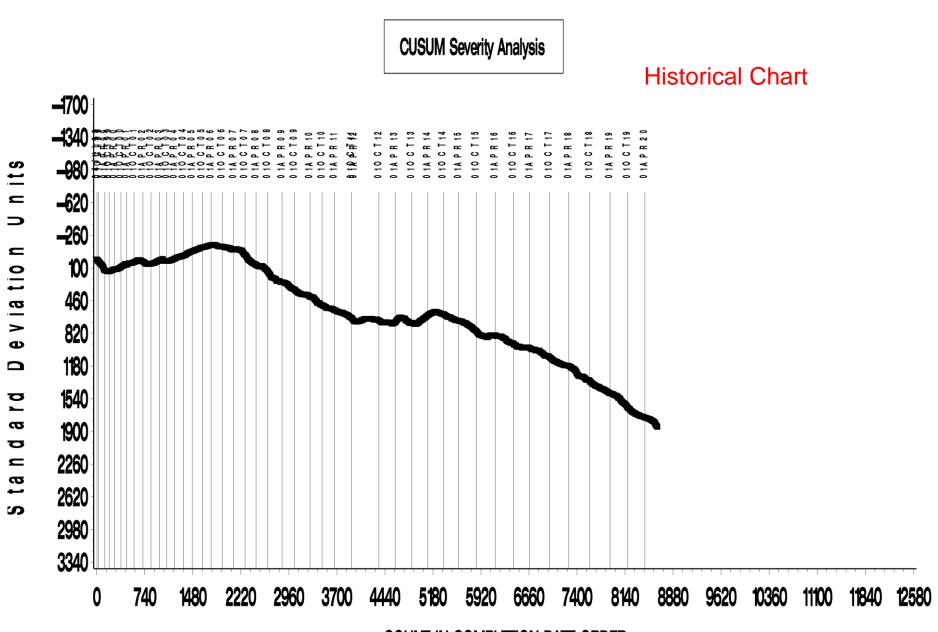


COPPER CHANGE (ppm)



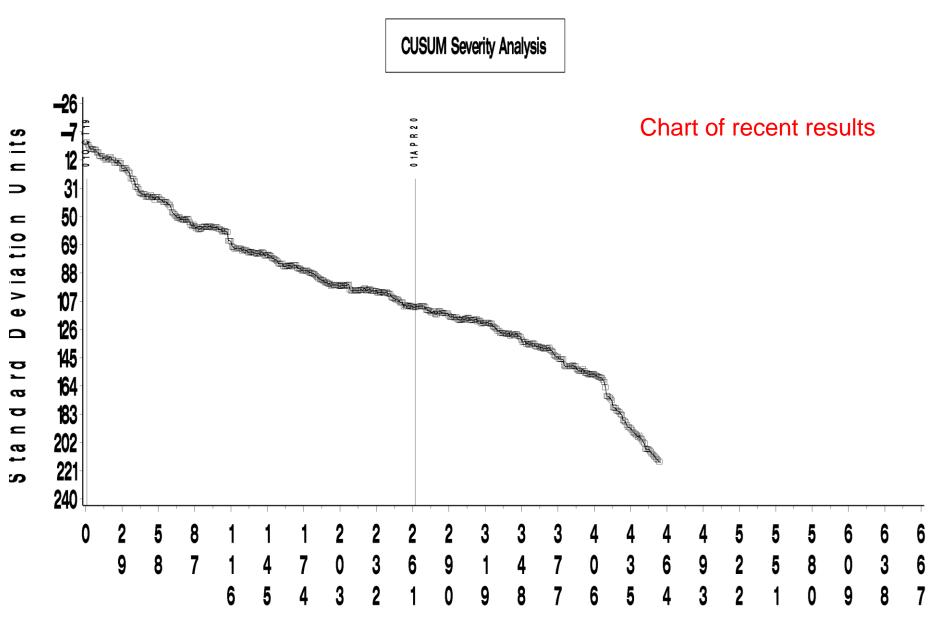






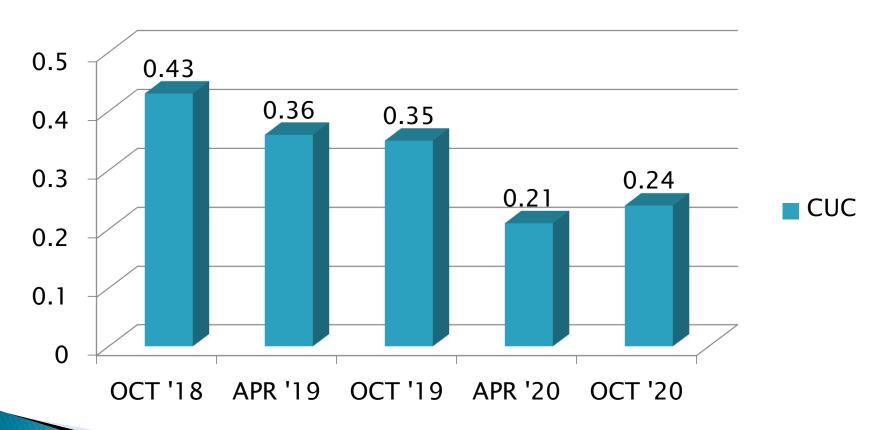


LEAD CHANGE (ppm)

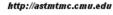


HTCBT Precision Estimates

CUC



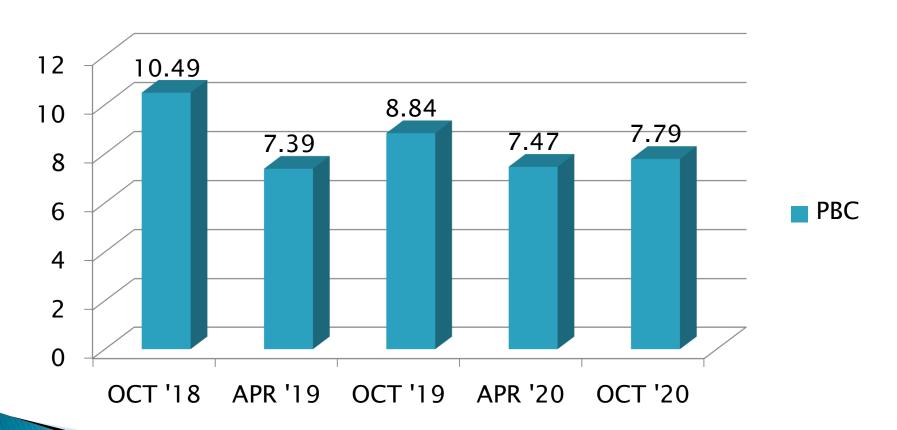






HTCBT Precision Estimates

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	16.8	2.3	110	2.5 years
1005-5	32.2	5.3	246	3 years





Miscellaneous Information

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

