Learning	Reason for learning	Method	Recommendation	Action	Person	Status	Questions
			Revise method to clarify reamer				
			is not always needed. Wording		Thomas/Schofield/		
Air Nozzle changes		20.4	from Tom	Revise method	Gaal/Birke	Ongoing	
Ream from top or bottom			Ream from top.Add to revised		Thomas/Schofield/		
of lid	Video	20.4	wording on air nozzle	Revise method	Gaal/Birke	Ongoing	
Change size of reamers in			None, as limits not specified in				
method	Discussion	16.4	method	None		Closed	
			PAC provide size and tolerance of				
			air nozzle to TMC. Add to		Chirk/Thomas/Gaal		
Cleaning of air hole nozzle	Discussion	20.4	method	Revise method	/Schofield/Birke	Ongoing	
			Add statement to method about				
			labs checking that size is within				
			tolerances. How to check?	Revise method;	Thomas/Schofield/		
Cleaning of air hole nozzle	Discussion	20.4	Check once a year	determine wording	Gaal/Birke	Ongoing	
Spring or screw clamp to			None. Either method is				
connect extraction tube	Instrument		satisfactory	None		Closed	
Electronic version of				SP: Do we want to			
pressure/temperature			Available in optional software for	require this data for			
plots	Discussion	20.18	5G and newer models	reference runs	Gaal/Schofield	Ongoing	
			About 10-15 minutes for				
Drossura spika during	Ouastiannaire /discus			Davisa mathad	Thomas /Cahafiald/		
	Questionnaire/discus	10.10	warmup. One point above limits		Thomas/Schofield/	Ongoing	
intial ramp up of test	sion	10.10	is acceptable in this period	determine wording	Gaal/Birke	Ongoing	
							Does the
							printout
							need to
			Excursions before 60 minute	Revise method.			checked at
			timer begins are acceptable. Not				each run?
			when start button has been	from PAC to revise	Chirle/Thomas/Cool		16.8, 16.9 -
Tananauatuua auanh linaita		20.10			Chirk/Thomas/Gaal /Schofield/Birke	Ongoing	•
Temperature graph limits		20.18	pushed. Starts at 240ish C.	20.18.	/Schoneid/Birke	Ongoing	printer
Calibration of							20.18 -
temperature probe					Thomas/Schofield/		plotted
needed before each run?	Discussion	20.6	Rewrite method to clarify	Revise method	Gaal/Birke	Ongoing	i.
needed before each full!	DISCUSSION	20.0	newrite method to clarify	nevise memou	Oddi/ Bil KE	Ongoing	graph

Learning	Reason for learning	Method	Recommendation	Action	Person	Status	Questions
Unit temperature							
calibration			Revise X1.22 from monthly to	Revise method. Already	Thomas/Schofield/		
recommendation	Discussion	X1.22	daily	in Appendix	Gaal/Birke	Ongoing	
Calibration for atmospheric pressure	Discussion		Check calibration for instrument on and off. If instrument remains on, recommend daily.  Measurement done at instrument or in room.	Revise method. Add to Appendix		Ongoing	
No PAC recommendation on coalescing filter cleaning/replacement	Questionnaire/discus sion		Wording to follow manufacturer's recommended practices	Revise method. Add to Appendix	Thomas/Schofield/ Gaal/Birke	Ongoing	
			For ISL NCK2 5G and newer models, analyzer should be	Revise method. Add to Appendix with other temperature calibrations. Recommend to verify			
Turning off analyzer once			turned off once a week for	calibration as well if	Thomas/Schofield/		
a week - 5G	Discussion		temperature drift	turn on and off.	Gaal/Birke	Ongoing	
Remove diagrams of equipment	Discussion		Diagrams can be removed with specs being included elsewhere in method	Revise method		Ongoing	
Correct units in method	Discussion		Revise for proper units, but understand this cannot be done without original diagrams, which are unavailable. Can be corrected if diagrams are removed.	Revise method	Thomas/Schofield/ Gaal/Birke	Ongoing	
Use of same QC oils for							
TMC labs?	Discussion		Discussion for SP	Best practices	SP topic	Ongoing	
New fields for TMC test	Discussion		Possible for action items/ Add model, lid serial number.	Revise TMC test forms, if needed	·	Ongoing	
Update on vacuum pump			Update wording to follow				
cleaning (or lack thereof)			manufacturer's instructions,		Thomas/Schofield/		
to method	Discussion	X1.9	rather than daily cleaning	Revise method	Gaal/Birke	Ongoing	

Learning	Reason for learning	Method	Recommendation	Action	Person	Status	Questions
Additional information on							
cleaning process for			Ball bearing size - 4 mm +/- ?				
extraction tube (size of			Tolerance to be confirmed by		Chirk/Thomas/Gaal		
ball bearing, how often?)	Email/discussion	16.5;20.5	PAC	Revise method	/Schofield/Birke	Ongoing	
			Update I.D. specification to 4.20				
			+/- 0.05 mm; Tubes				
			manufactured before TBD may				
Internal diameter			not meet this tolerance. PAC to				
specification for			inform about date and change to		Chirk/Thomas/Gaal		
extraction tube in method	PAC presentation		specification in method	Revise method	/Schofield/Birke	Ongoing	
	PAC						
	presentation/discussi		Discussion for .06B and		PAC- go to 06B to		
Flow rate monitoring	on		extenseive revision of method	Method revision	request taskgroup	Ongoing	
Equivalency data between			PAC to provide data to TMC for				
	Discussion		discussion at .06B		Chirk	Ongoing	
Round robin to confirm							
equivalency of NCK2 and			Activity for labs with both				
NCK2 5G			instruments - discussion for SP		SP topic	Ongoing	
			Run a dummy sample and ignore				
			result. Run QC afterward while				
			block is hot, so QC run is similar				
			to candidate oil runs. Expected				
Running of "dummy"			to be more severe for QC run.	Revise method. Add to			
sample to heat block			Best practice intended for	Appendix; wording to	Gaal/Schofield/Mat		
•	Discussion	16.8	relevant unit operation.		t/Grant	Ongoing	
0 -1-			Update firmware to latest version		<u> </u>		
			(v2.0), has time compensation				
			factor to adjust for block				
Check firmware of units	Discussion		temperature		All	Ongoing	
Changes in firmware for							
v2.0	Discussion		Better control of pressure		PAC	Done	

Learning	Reason for learning	Method	Recommendation	Action	Person	Status	Questions
			Revise method on use of				
			degreasing agent as a cleaning				
			method. Provide examples in	Revise method. In-			
			best practices. Provide reasoning	between runs - keep			
			for difference from CEC method.	same procedure. Revise			
			Any solvent which does not	20.3 to remove			
Cleaning of crucible by a			create clogging by leaving	abrasive. Add use of	Thomas/Schofield/		
degreasing agent	Discussion	17.1/20.3	residue.	degreaser chemical	Gaal/Birke	Ongoing	
Mass differences between			PAC to check if this difference is				
cups	Discussion		impactful on test		Chirk	Ongoing	
T					I I a dan ta al ancesar		
Temperature amplitude	Diamonian				Under taskgroup	0	
changes during test	Discussion		Canada ahaada hada dada dada		looking at flowrate	Ongoing	
			Sample should be loaded into		<b>-</b> 1 /6 1 5: 11/		
			unit to feel even pushback from	Revise method. Add to	Thomas/Schofield/		
	Discussion		unit	Appendix	Gaal/Birke	Ongoing	
Temperature probe			Oil bath to be used. Dry bath is		Thomas/Schofield/		
calibration		16.1.3	not to be used.	Revise method	Gaal/Birke	Ongoing	