

From: Dania Huggins
To: Melissa Turner
CC: Chris Jimmerson; Dania Huggins; Margaret Wong; Susan Fregien
Date: 11/17/2010 10:09 AM
Subject: GCMS-NCI-SIM - Validation Package Required

Good morning Melissa,

We have read the peer reviewed articles that described the GCMS-NCI-SIM method and this is a good analytical method. However, since GCMS-NCI-SIM is a non-EPA specified method for pyrethroids in sediment (modified USEPA 8270 Method) the laboratory is required to submit a validation package (MRP, Section B.4.f. , page 17). The validation package shall include all data for the "Initial Demonstration of Laboratory Capability", which includes:

1. MDL Studies (the analyst shall determine the MDL for each analyte according to the procedure in Code 40 of Federal Regulation (CFR) 136, Appendix B using the apparatus, reagents, and standards that will be used in the practice of this method).
2. Initial precision and recovery (IPR)
3. QC samples, where applicable
4. Linear calibration ranges

Additionally, the lab will need to submit the information for this testing procedure based on the following EPA documents:

(1) Protocol for EPA Approval of Alternate Test Procedures for Organic and Inorganic Analytes in Wastewater and Drinking Water. March 1999.

<http://www.epa.gov/waterscience/methods/EPA821B98002.pdf>

(2) Guide to Method Flexibility and Approval of EPA Water Methods. December 1996.

http://www.swrcb.ca.gov/swamp/docs/guidelines_pbms_program.pdf

Please let me know if you have any questions

Thank you

Dania

>>> Melissa Turner <mturner@mlj-llc.com> 11/9/2010 3:57 PM >>>
Since Pete is out of town, I asked Todd for just the extraction SOP...is this what you needed?

-----Original Message-----

From: Todd Albertson [mailto:todd_albertson@caltestlabs.com]

Sent: Tuesday, November 09, 2010 3:37 PM

To: 'Melissa Turner'

Subject: RE: Amended MRPP correction

Hi Melissa,

Our extraction method for sediments is EPA 3540C "Soxhlet extraction". Our sop is attached for your file.

Please let me know if you have any questions, or if I can be of any further assistance.

My regards,

Todd Albertson
Caltest Analytical Laboratory
1885 N. Kelly Rd
Napa CA 94558
Ph: 707-258-4000
Web: www.CaltestLabs.com

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-----Original Message-----

From: Melissa Turner [<mailto:mturner@mlj-llc.com>]
Sent: Tuesday, November 09, 2010 12:40 PM
To: 'Todd Albertson'
Subject: RE: Amended MRPP correction

Could you email me the extraction method used? That might be all that she is looking for.

-----Original Message-----

From: Todd Albertson [mailto:todd_albertson@caltestlabs.com]
Sent: Monday, November 08, 2010 3:57 PM
To: 'Melissa Turner'; 'Dania Huggins'
Cc: 'Pete Halpin'
Subject: RE: Amended MRPP correction

Melissa and Dania,

Pete is at SETAC in Portland all week, but I will ask him to follow up when he returns. Let me know if you need a follow up sooner than next week.

Please let me know if you have any questions, or if I can be of any further assistance.

Thanks,

Todd Albertson
Caltest Analytical Laboratory
1885 N. Kelly Rd
Napa CA 94558
Ph: 707-258-4000
Web: www.CaltestLabs.com

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-----Original Message-----

From: Melissa Turner [<mailto:mturner@mlj-llc.com>]
Sent: Monday, November 08, 2010 11:54 AM
To: 'Todd Albertson'
Cc: 'Dania Huggins'
Subject: FW: Amended MRPP correction

Hi Todd,

I just received the following email from Dania Huggins at the Regional Board regarding the GCMS-NCI-SIM pyrethroid method - could you forward the article she is referencing below? I've cc'd Dania on this email.

Thanks,
Melissa

-----Original Message-----

From: Dania Huggins [<mailto:dhuggins@waterboards.ca.gov>]
Sent: Monday, November 08, 2010 10:17 AM
To: asiadatan@mlj-llc.com; mturner@mlj-llc.com; Chris Jimmerson

Cc: Dania Huggins; Susan Fregien
Subject: RE: Amended MRPP correction

Hello Melissa,

We are interested in finding information on the recovery of the extraction method and what method was used prior to injection in the GC/MS. We reviewed the SOP but we could not find the information that we are looking for there.

Could you please ask Pete if he can share with us an article that he published in 2008 as part of the ACS Symposium on Synthetic Pyrethroids.

The title was "Analysis of Pyrethroid Pesticides in Sediment and Water by EPA Method 8270 Gas Chromatography/Mass Spectrometry (GC/MS) Narrow-Range Scan Selected Ion Monitoring".

Thank you

Dania

>>> Dania Huggins 11/08/10 8:00 AM >>>

Thank you Melissa. We are going to let you know if further information is needed.

Dania

>>> Melissa Turner <mturner@mlj-llc.com> 11/04/10 4:15 PM >>>

Hi Dania,

I clarified with Todd Albertson at Caltest Laboratories that the method (GCMS-NCI-SIM) is a modified EPA Method 8270. It is NOT a different method.

Melissa

From: Dania Huggins [<mailto:dhuggins@waterboards.ca.gov>]

Sent: Wednesday, November 03, 2010 4:16 PM

To: Allison Siadatan; Chris Jimmerson

Cc: Melissa Turner; Dania Huggins; Susan Fregien

Subject: Re: Amended MRPP correction

Good afternoon Melissa,

I have a follow up question regarding the analytical method for pyrethroids and chlorpyrifos sediment analysis. I am trying to determine if in addition to the SOPs for the method named "GCMS-NCI-SIM" we may need (or not) the validation package (Initial Demonstration of Laboratory Capability). The approved MRP Plan was using a modified EPA Method 8270. My understanding is that now the coalition is not longer using a modified EPA Method 8270 but rather a different method named "GCMS-NCI-SIM". Is that correct?

Thank you

Dania

Dania Huggins
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Ag Waiver Program

http://www.waterboards.ca.gov/centralvalley/programs/irrigated_lands/

>>> Dania Huggins 11/1/2010 3:03 PM >>>

Thank you Allison. I will review the updated MRP Plan and QAPP (submitted on 10/20/2010), especially the Sections with the amendments.

If questions arise I will be communicating my findings to Melissa before the final response from Staff is sent to the Coalition.

My regards,

Dania

Dania Huggins

Water Resource Control Engineer

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>>> Allison Siadatan <asiadatan@mlj-llc.com> 11/1/2010 12:22 PM >>>

Hello Chris and Dania,

Last week Chris Jimmerson noticed a typo involving the trifluralin RL in the SJCDWQC MRPP (was listed as 0.5µg/L in the MRPP and should have been 0.05µg/L). I have corrected this issue in both the ESJWQC and SJCDWQC MRPPs and attached the updated pages to this email. Updated electronic copies of the MRPP have been uploaded to the MLJ-LLC Sharepoint and can be located in the Regional Board folder.

Thank you Chris for informing us of this typo. Please contact Melissa or myself if any other questions arise.

Best regards,

Allison Siadatan

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Allison Siadatan

Environmental Scientist

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