

**From:** Melissa Turner <mturner@mlj-llc.com>  
**To:** 'Dania Huggins' <dhuggins@waterboards.ca.gov>  
**Date:** 11/30/2010 8:44 AM  
**Subject:** RE: FW: GCMS-NCI-SIM - Validation Package Required

Thanks for the update Dania.

From: Dania Huggins [mailto:dhuggins@waterboards.ca.gov]  
Sent: Tuesday, November 30, 2010 7:54 AM  
To: Melissa Turner  
Cc: 'Allison Siadatan'; 'Michael L. Johnson'; Chris Jimmerson; Dania Huggins; Susan Fregien  
Subject: Re: FW: GCMS-NCI-SIM - Validation Package Required

Good morning Melissa,

Thank you for your submittal. I will not be directly involve with the review and evaluation of the validation package materials. The colleague that will be doing the review is out of the office this week. Thus, I will let you know, as the review progresses if anything else is required.

My regards,

Dania

>>> Melissa Turner <mturner@mlj-llc.com> 11/29/2010 9:17 AM >>>

Hi Dania,

Attached you will find files from Caltest regarding the sediment pyrethroid analytical method. Let me know if you require any additional information in order to approve the ESJWQC and SJCDWQC MRPP/QAPP amendments.

Thanks,

Melissa

From: Todd Albertson [mailto:todd\_albertson@caltestlabs.com]  
Sent: Friday, November 26, 2010 11:58 PM  
To: 'Melissa Turner'  
Cc: 'Michael L. Johnson'  
Subject: RE: GCMS-NCI-SIM - Validation Package Required

Hi Melissa,

Attached should address Dania's request for a pyrethroid 'validation package'. Also included in the zip file is a pdf cpy of our finalized SOP.

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: <<http://www.caltestlabs.com/>> [www.CaltestLabs.com](http://www.CaltestLabs.com)

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From: Melissa Turner [mailto:[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)]  
Sent: Wednesday, November 17, 2010 10:22 AM  
To: 'Todd Albertson'  
Cc: 'Michael L. Johnson'; 'Sonya Babcock'  
Subject: FW: GCMS-NCI-SIM - Validation Package Required

Looks like we opened a can of worms with this modified method for sediment pyrethroids – I'm hoping you already have a similar validation package already put together? If not, how much work is this going to be? Aren't you doing this method for other Coalitions?

Melissa

From: Dania Huggins [mailto:[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)]  
Sent: Wednesday, November 17, 2010 10:10 AM  
To: Melissa Turner  
Cc: Chris Jimmerson; Dania Huggins; Margaret Wong; Susan Fregien  
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](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](mailto: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](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](http://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](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  
Water Resource Control Engineer  
Monitoring and Implementation Unit  
Irrigated Lands Regulatory Program  
Central Valley Regional Water Quality Control Board 11020 Sun Center Drive Suite 200 Rancho Cordova, CA 95670-6114

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>>> 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  
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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  
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