

# **Joint Exhibit 64**



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 27, 2022

Mr. Jon Wood  
Senior Regulatory Manager  
AMVAC  
4695 MacArthur Ct., Ste. 1200  
Newport Beach, CA 92660  
Sent via email to [JonW@amvac.com](mailto:JonW@amvac.com); confirmation of receipt requested

**VIA E-MAIL, RETURN RECEIPT REQUESTED**

SUBJECT: DCPA; Review of Ecological Effects Data Submissions required in GDCI-078701-1140

Dear Mr. Wood:

This letter transmits reviews for several data submissions made by AMVAC, listed in Attachment 2, in response to the Generic Data Call-In (GDCI-078701-1140) issued pursuant to Section 3(c)(2)(B) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The status of these data submissions is summarized in Attachment 1. For more detail on individual studies, please refer to the associated Data Evaluation Records (also attached; identified by their DP barcodes).

For several data requirements, the Agency has determined that the submitted studies listed in Attachment 2 do not satisfy the corresponding GDCI requirements; additional data must be submitted to satisfy the GDCI in these instances. EPA has determined that AMVAC must submit additional data to address deficiencies in the following data requirements.

For testing with dimethyl tetrachloroterephthalate (DCPA):

- OCSPP Guideline # 850.1350, mysid chronic toxicity
- OCSPP Guideline # 850.2100, avian acute oral toxicity with passerine species
- OCSPP Guideline # 850.4100, terrestrial plant seedling emergence with lettuce only
- Non-Guideline/EPA Test Method 100.5; USEPA, 2000, chronic sediment toxicity with the freshwater midge (*Chironomus*), identified in the GDCI as SS-1069

For testing with tetrachlorophthalic acid (TPA), the data submissions referenced in this letter satisfy the associated data requirements with respect to the indicated species only. There are other data requirements from GDCI-078701-1140 that remain outstanding, for both DCPA and TPA, that are not covered by this letter. Attachment 1 summarizes the status of the data submissions covered by this letter, both for data that are still needed and for other studies the Agency determined did satisfy their respective data requirements. Please refer to EPA's letter (April 27, 2022) ***Suspension of Registration of Pesticide Product (EPA Registration Number 5481-495) for Failure to Comply with the Data Call-In ([GDCI-078701-1140], issued dated January 31, 2013)*** for instructions on how to address these, and other, outstanding data gaps from GDCI-078701-1140.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mary Elissa Reaves".

Mary Elissa Reaves, Ph.D.,  
Director  
Pesticide Re-evaluation Division  
Office of Pesticide Programs

Attachments: 1-Status of Data Submissions  
2-List of DERs for Subject Submissions

cc: Cathryn Britton, Chief, OPP/PRD/Risk Management and Implementation Branch 5 (RMIB5)  
Jill Bloom, Team Leader, OPP/PRD/RMIB5  
James Douglass, Chemical Review Manager, OPP/PRD/RMIB5

**Attachment 1—Status of Data Submissions**

OCSPP Guideline #	Data Requirement	MRID#	DP Barcode	Status and Comments	Are more data needed to satisfy the DCI req't?
<b>Test Material is DCPA (TGAI unless otherwise noted)</b>					
850.1010	Acute Toxicity <i>Daphnia magna</i>	49307514	420874	Acceptable	No
850.1025	Acute Toxicity Oyster, shell deposition	49500701	424913	Supplemental, may be used for risk characterization	No
850.1035	Acute Toxicity Mysid	49307505	420820	Supplemental, may be used for risk characterization	No
850.1075	Acute Toxicity Fish	49307511 <sup>1</sup> 51398105 <sup>2</sup>	420869 461050	Acceptable Supplemental, may be used for risk characterization	No
850.1300	Chronic Toxicity Daphnid	49307510 51398104	420868 461050	Acceptable Supplemental, may be used for risk characterization	No
850.1350 <sup>3</sup>	Chronic Toxicity Mysid	49307512	420871	Supplemental, may be used for risk characterization. A definitive NOAEC could not be established in the study as dose-responsive effects on male weight and length were observed at all doses.	Yes
850.2100	Avian Acute Oral Toxicity	49477601	423300	Supplemental, may be used to calculate risk quotients. Dosing should have tested up to the maximum expected environmental concentration on food items, per the Guideline. However, a dose-based study may not be feasible due to the high dose levels	Yes

<sup>1</sup> Sheepshead minnow

<sup>2</sup> Rainbow trout (w/formulated product)

<sup>3</sup> In *Dimethyl 2,3,5,6-tetrachloroterephthalate, (Dacthal or DCPA) and its degradate Tetrachlorophthalic Acid (TPA): Transmittal of Data Evaluation Records (DERs) for 23 Ecotoxicity Studies*, there is a typographical error for the data requirement identified as OCSPP Guideline # 850.1300 (associated with MRID# 49307512); the data requirement should be identified as OCSPP Guideline # 850.1350.

OCSPP Guideline #	Data Requirement	MRID#	DP Barcode	Status and Comments	Are more data needed to satisfy the DCI req't?
				that need to be tested (up to 5045 mg/kg-bw). <sup>4</sup> Testing may need to switch to the dietary-based test paradigm. EPA recommends the registrant consult with the Agency prior to initiating dietary-based testing.	
850.4100	Seedling Emergence	49307513	420873	Acceptable for all species but lettuce and ryegrass. Lettuce—Supplemental, may be used for risk characterization. Highest dose tested was not equivalent to the maximum application rate; additional testing needed to rectify this deficiency. Ryegrass—Supplemental, may be used to calculate risk quotients (for endpoints in which survival is most sensitive endpoint)	Yes, for lettuce only
850.4150	Terrestrial Plant Vegetative Vigor	49307506	420822	Acceptable	No
850.4400	Acute Toxicity <i>Lemna spp.</i>	49307509	420906	Acceptable	No
850.4500 850.4550 (formerly 850.5400)	Algal, Diatom and <i>Anabaena</i> Toxicity	49307504 <sup>5</sup> 49307508 <sup>6</sup> 51499402 <sup>7</sup> 49307507 <sup>8</sup>	420823 420823 460199 420823	Supplemental, may be used for risk characterization Supplemental, may be used to calculate risk quotients Supplemental, may be used for risk characterization Supplemental, results for the growth endpoint may be used to calculate risk quotients; results for yield and area under the curve endpoints may be used for risk characterization	No
Non-GDL	Chronic Sediment	49865801	432679	Acceptable	No

<sup>4</sup> Calculated Upper-bound Kenaga EEC

<sup>5</sup> Marine diatom (*Skeletonema costatum*)

<sup>6</sup> Freshwater diatom (*Navicula pelliculosa*)

<sup>7</sup> *Pseudokirchneriella subcapitata* (formerly known as *Selenastrum capricornutum*; with formulated product)

<sup>8</sup> Cyanobacterium (or freshwater blue-green alga, *Anabaena flos-aquae*)

OCSPP Guideline #	Data Requirement	MRID#	DP Barcode	Status and Comments	Are more data needed to satisfy the DCI req't?
	Toxicity <i>Hyallolella</i>				
Non-GDL	Chronic Sediment Toxicity <i>Chironomus</i>	49865802	432681	Supplemental, may be used for risk characterization; there were uncertainties (solvent interaction) that trigger the need for additional data.	Yes
<b>Test Material is TPA</b>					
850.1010	Acute Toxicity <i>Daphnia magna</i>	49307519	420874	Acceptable	No
850.1075	Acute Toxicity Fish (Rainbow trout)	49307518	420869	Acceptable	No
850.1300	Chronic Toxicity <i>Daphnia magna</i>	51235101	460199	Acceptable	No
850.4100	Seedling Emergence	51235102	460199	Acceptable for all species except as noted below. For soybean, sugarbeet, onion, and sunflower— Supplemental, may be used to calculate risk quotients (for endpoints with survival as most sensitive endpoint) For ryegrass—Supplemental, may be used for risk characterization only.	No
850.4500 (formerly 850.5400)	Algal Toxicity	51499401 <sup>9</sup>	460199	Supplemental, may be used for risk characterization.	No

<sup>9</sup> *Pseudokirchneriella subcapitata* (formerly known as *Selenastrum capricornutum*)

**Attachment 2—List of DERs referenced in this letter**

(Note: Corresponding DER filenames begin with 078701, followed by MRID#s)

<b>MRID#</b>	<b>DP Barcode</b>	<b>Subject Study OCSPP GDL#</b>	<b>EPA Reviewer<sup>10</sup></b>	<b>Date</b>
<b>Test Material is DCPA</b>				
49307514	D420874	850.1010	M. Wagman	11/10/21
49500701	D424913	850.1025	M. Wagman	11/20/21
49307505	D420820	850.1035	M. Wagman	11/10/21
49307511	D420869	850.1075	M. Wagman	11/12/21
51398105	D461050		M. Wagman	12/2/21
49307510	D420868	850.1300	M. Wagman	11/29/21
51398104	D461050		M. Wagman	11/30/21
49307512	D420871	850.1350	M. Wagman	11/30/21
49477601	D423300	850.2100	M. Wagman	12/2/21
49307513	D420873	850.4100	M. Wagman	12/6/21
49307506	D420822	850.4150	M. Wagman	11/30/21
49307509	D420906	850.4400	M. Wagman	11/12/21
49307504	D420823	850.4500 <sup>11</sup>	M. Wagman	11/18/21
51499402	D460199	850.4500 <sup>10</sup>	M. Wagman	11/18/21
49307508	D420823	850.4500 <sup>10</sup>	M. Wagman	11/18/21
49307507	D420823	850.4550 <sup>10</sup>	M. Wagman	11/18/21
49865801	D432679	Non-GDL <sup>12</sup>	M. Wagman	11/22/21
49865802	D432681	Non-GDL <sup>13</sup>	M. Wagman	11/30/21
<b>Test Material is TPA</b>				
49307519	D420874	850.1010	M. Wagman	11/12/21
49307518	D420869	850.1075	M. Wagman	11/16/21
51235101	D460199	850.1300	M. Wagman	11/16/21
51235102		850.4100	M. Wagman	12/6/21
51499401		850.4500 <sup>10</sup>	M. Wagman	11/19/21

<sup>10</sup> Senior Scientist, OPP/EFED

<sup>11</sup> Formerly OCSPP GDL# 850.5400

<sup>12</sup> *Hyallela*

<sup>13</sup> *Chironomus*