



YEAR 2 RESULTS

2021-2022

Nursery Facilities
Pesticides



Midwest Laboratories
13611 B Street
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www.midwestlabs.com

06 September 2022

Work Order: 1585053

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: Pesticides in Seawater

Enclosed are the results of analyses for samples received by the laboratory on 2022-08-18 14:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Heather Ramig". The signature is written in a cursive, flowing style.

Heather Ramig
Project Manager
hramig@midwestlabs.com



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 Cedar Key, FL 32625

Project: Pesticides in Seawater

Project Manager: Natalie Simon

Reported:
 2022-09-06 09:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
O613	1585053-01	Aqueous	2022-08-17 15:00	2022-08-18 14:20

Containers used for the following analyses:

1585053-01 A: EPA 8141

Analysis Results Reviewed by:

EPA 8141 reviewed by rrs5.



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Project: Pesticides in Seawater

Project Manager: Natalie Simon

Reported:
 2022-09-06 09:10

Sample ID: O613
Laboratory ID: 1585053-01
Sampled Date/Time: 2022-08-17 15:00

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Pesticide Screen								
Dichlorovos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Mevinphos	<	1.00	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Tetraethyl pyrophosphate	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Demeton-o	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Ethoprophos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Sulfotep	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Phorate	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Dimethoate	<	1.00	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Demeton-s	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Diazinon	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Disulfoton	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Parathion,methyl	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Ronnel	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Malathion	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Fenthion	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Parathion,ethyl	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Chlorpyrifos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Trichloronat	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Tetrachlorvinphos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Tokuthion (Protothiofos)	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Fensulfothion	<	1.00	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Bolstar	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
EPN	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Azinphos-methyl	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Coumaphos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Merphos	<	0.80	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Naled	<	2.00	ug/L	EPA 8141	2022-08-19	2022-09-01	rwp6	(A)
Surrogate: Nitrobenzene-d5	89 %	62.9-120		EPA 8141	2022-08-19	2022-09-01		(A)
Surrogate: 2-Fluorobiphenyl	81 %	51.5-120		EPA 8141	2022-08-19	2022-09-01		(A)
Surrogate: p-Terphenyl-d14	81 %	61.9-125		EPA 8141	2022-08-19	2022-09-01		(A)



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18 August 2022

Work Order: 1585054

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: Pesticides in Seawater

Enclosed are the results of analyses for samples received by the laboratory on 2022-07-29 15:28. If you have any questions concerning this report, please feel free to contact me.

Report reissued 8-18-22:
EPA 8141 Pesticide analysis was performed by a subcontracted laboratory.
See attached outsource report for additional information.

Sincerely,

A handwritten signature in black ink that reads "Heather Ramig". The signature is written in a cursive, flowing style.

Heather Ramig
Project Manager
hramig@midwestlabs.com

Work Order:

The result(s) issued on this report only reflect the analysis of the sample(s) submitted. For applicable test parameters, Midwest Laboratories is in compliance with NELAC requirements. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

August 17, 2022

Karlee Qualheim
Midwest Laboratories
13611 "B" Street
Omaha, NE 681443693

RE: Project: 8235
Pace Project No.: 60407326

Dear Karlee Qualheim:

Enclosed are the analytical results for sample(s) received by the laboratory on August 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Gulf Coast

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
angie.brown@pacelabs.com
1(913)563-1402
Project Manager

Enclosures

cc: Outsource Coordinator, Midwest Laboratories
Haleigh Salisbury, Midwest Laboratories



REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 8235
Pace Project No.: 60407326

Sample: 158505401		Lab ID: 60407326001		Collected: 07/28/22 11:15		Received: 08/03/22 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
EPA 8141B		Analytical Method: EPA 8141B Preparation Method: EPA 3510C							
		Pace Analytical Gulf Coast							
Azinphos, methyl (Guthion)	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	86-50-0	H3	
Bolstar	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	35400-43-2	H3	
Chlorpyrifos	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	2921-88-2	H3	
Coumaphos	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	56-72-4	H3	
Total Demeton	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	8065-48-3	H3	
Demeton-O	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	298-03-3	H3	
Diazinon	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	333-41-5	H3	
Dichlorvos	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	62-73-7	H3	
Dimethoate	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	60-51-5	H3	
Disulfoton	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	298-04-4	H3	
Ethoprop	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	13194-48-4	H3	
Fensulfothion	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	115-90-2	H3	
Fenthion	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	55-38-9	H3	
Methyl parathion	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	298-00-0	H3	
Mevinphos	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	7786-34-7	H3	
Naled	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	300-76-5	H3	
Phorate	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	298-02-2	H3	
Demeton-S	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	126-75-0	H3	
Stirophos (Tetrachlorvinphos)	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	22248-79-9	H3	
Tokuthion (Prothiofos)	ND	ug/L	1.00	1	08/11/22 05:30	08/11/22 16:37	34643-46-4	H3	
Surrogates									
Triphenylphosphate (S)	99	%	50-175	1	08/11/22 05:30	08/11/22 16:37	115-86-6		

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 8235
Pace Project No.: 60407326

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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