



YEAR 2 RESULTS
2021-2022
Nursery Facilities
Volatile Organic Compounds
(VOC)



Midwest Laboratories
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28 June 2022

Work Order: 1584410

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: VOC on Water for Shellfish

Enclosed are the results of analyses for samples received by the laboratory on 2022-06-23 16:09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Kerri Stanek
Project Manager
kstanek@midwestlabs.com



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-06-28 16:03

Sample ID: C578
Laboratory ID: 1584410-01
Sampled Date/Time: 2022-06-21 11:14

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dichlorodifluoromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Chloromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Vinyl chloride	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Bromomethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Trichlorofluoromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Chloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Acetone	<	30.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Ethyl Ether	<	30.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Iodomethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)/ CAL, CCAL
Acrylonitrile	<	20.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Methylene Chloride	<	3.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1,2-Trichloro-1,1,2-trifluoroethane	<	10.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Allyl Chloride	<	10.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Carbon disulfide	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
trans-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Methyl tert-Butyl Ether	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Vinyl acetate	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Chloroprene	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
2-Butanone	<	10.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
cis-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Bromochloromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Chloroform	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
2,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Methyl Acrylate	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Tetrahydrofuran	<	20.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)/ CAL, CCAL
1,2-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1,1-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Carbon Tetrachloride	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Benzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Dibromomethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Trichloroethene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Bromodichloromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Methyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
cis-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
4-Methyl-2-pentanone	<	10.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
trans-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1,2-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Toluene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,3-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Ethyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)

Work Order: 1584410

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 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-06-28 16:03

Sample ID: C578
Laboratory ID: 1584410-01
Sampled Date/Time: 2022-06-21 11:14

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dibromochloromethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
2-Hexanone	<	10.0	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2-Dibromoethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Tetrachloroethene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1,1,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Chlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Ethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
m,p-Xylenes	<	2.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Bromoform	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
cis-1,4-Dichloro-2-butene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Styrene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,1,2,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
o-Xylene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2,3-Trichloropropane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
trans-1,4-Dichloro-2-butene	<	5.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Isopropylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Bromobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
n-Propyl Benzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
2-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
4-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,3,5-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
tert-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2,4-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
sec-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,3-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,4-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
p-Isopropyltoluene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
n-Butyl Benzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2-Dibromo-3-Chloropropane	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2,4-Trichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Naphthalene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Hexachlorobutadiene	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
1,2,3-Trichlorobenzene	<	2.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Total Xylenes	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Total Trihalomethanes	<	1.00	ug/L	EPA 8260	2022-06-24	2022-06-24	rrs5	(D)
Surrogate: Toluene-d8	104 %	80-120		EPA 8260	2022-06-24	2022-06-24		(D)
Surrogate: Bromofluorobenzene	103 %	77.4-120		EPA 8260	2022-06-24	2022-06-24		(D)
Surrogate: 1,2-Dichlorobenzene-d4	104 %	80-120		EPA 8260	2022-06-24	2022-06-24		(D)



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17 August 2022

Work Order: 1586466

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: VOC on Water for Shellfish

Enclosed are the results of analyses for samples received by the laboratory on 2022-08-10 10:30. If you have any questions concerning this report, please feel free to contact me.

Headspace in all vials.

Sincerely,

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

Kerri Stanek
Project Manager
kstanek@midwestlabs.com



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-17 14:43

Sample ID: J737
Laboratory ID: 1586466-03
Sampled Date/Time: 2022-08-09 11:00

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dichlorodifluoromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Chloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Vinyl chloride	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Bromomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Trichlorofluoromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Chloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Acetone	<	30.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)/ CAL, CCAL
Ethyl Ether	<	30.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Iodomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Acrylonitrile	<	20.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Methylene Chloride	<	3.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1,2-Trichloro-1,1,2-trifluoroethane	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Allyl Chloride	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Carbon disulfide	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
trans-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Methyl tert-Butyl Ether	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Vinyl acetate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Chloroprene	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
2-Butanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)/ CAL
cis-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Bromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Chloroform	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
2,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Methyl Acrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Tetrahydrofuran	<	20.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1,1-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Carbon Tetrachloride	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Dibromomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Trichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Bromodichloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Methyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
cis-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
4-Methyl-2-pentanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
trans-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1,2-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Toluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,3-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Ethyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)

Work Order: 1586466

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 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-17 14:43

Sample ID: J737
Laboratory ID: 1586466-03
Sampled Date/Time: 2022-08-09 11:00

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dibromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
2-Hexanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2-Dibromoethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Tetrachloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1,1,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Chlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Ethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
m,p-Xylenes	<	2.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Bromoform	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
cis-1,4-Dichloro-2-butene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Styrene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,1,2,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
o-Xylene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2,3-Trichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
trans-1,4-Dichloro-2-butene	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Isopropylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Bromobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
n-Propyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
2-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
4-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,3,5-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
tert-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2,4-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
sec-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,3-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,4-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
p-Isopropyltoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
n-Butyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2-Dibromo-3-Chloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2,4-Trichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Naphthalene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Hexachlorobutadiene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
1,2,3-Trichlorobenzene	<	2.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Total Xylenes	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Total Trihalomethanes	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(A)
Surrogate: Toluene-d8	101 %	80-120		EPA 8260	2022-08-16	2022-08-16		(A)
Surrogate: Bromofluorobenzene	100 %	77.4-120		EPA 8260	2022-08-16	2022-08-16		(A)
Surrogate: 1,2-Dichlorobenzene-d4	105 %	80-120		EPA 8260	2022-08-16	2022-08-16		(A)



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22 June 2022

Work Order: 1583373

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: VOC on Water for Shellfish

Enclosed are the results of analyses for samples received by the laboratory on 2022-06-15 11:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Kerri Stanek
Project Manager
kstanek@midwestlabs.com



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-06-22 15:09

Sample ID: M852
 Laboratory ID: 1583373-01 Sampled Date/
 Time: 2022-06-09 11:30

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dichlorodifluoromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Chloromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Vinyl chloride	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Bromomethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Trichlorofluoromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Chloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Acetone	<	30.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Ethyl Ether	<	30.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Iodomethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8)/ CAL, HS, OC
Acrylonitrile	<	20.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Methylene Chloride	<	3.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1,2-Trichloro-1,1,2-trifluoroethane	<	10.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Allyl Chloride	<	10.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Carbon disulfide	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
trans-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Methyl tert-Butyl Ether	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Vinyl acetate	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Chloroprene	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
2-Butanone	<	10.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8)/ CCAL, HS, OC
cis-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Bromochloromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Chloroform	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
2,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Methyl Acrylate	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8)/ CCAL, HS, OC
Tetrahydrofuran	<	20.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8)/ AL, CCAL, HS, OC
1,2-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1,1-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Carbon Tetrachloride	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Benzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Dibromomethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Trichloroethene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Bromodichloromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Methyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
cis-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
4-Methyl-2-pentanone	<	10.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
trans-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,1,2-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Toluene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
1,3-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS
Ethyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D)/ HS, OOS

Work Order: 1583373

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.



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-06-22 15:09

Sample ID: M852
Laboratory ID: 1583373-01
Sampled Date/Time: 2022-06-09 11:30

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dibromochloromethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
2-Hexanone	<	10.0	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8) / CCAL, HS, O
1,2-Dibromoethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Tetrachloroethene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,1,1,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Chlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Ethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
m,p-Xylenes	<	2.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Bromoform	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
cis-1,4-Dichloro-2-butene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Styrene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,1,2,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
o-Xylene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2,3-Trichloropropane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
trans-1,4-Dichloro-2-butene	<	5.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Isopropylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Bromobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
n-Propyl Benzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
2-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
4-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,3,5-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
tert-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2,4-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
sec-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / OOS, HS
1,3-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,4-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
p-Isopropyltoluene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
n-Butyl Benzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2-Dibromo-3-Chloropropane	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2,4-Trichlorobenzene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Naphthalene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Hexachlorobutadiene	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
1,2,3-Trichlorobenzene	<	2.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Total Xylenes	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Total Trihalomethanes	<	1.00	ug/L	EPA 8260	2022-06-21	2022-06-21	alt8	(D) / HS, OOS
Surrogate: Toluene-d8	103 %	80-120		EPA 8260	2022-06-21	2022-06-21		(D) / HS, OOS
Surrogate: Bromofluorobenzene	104 %	77.4-120		EPA 8260	2022-06-21	2022-06-21		(D) / HS, OOS
Surrogate: 1,2-Dichlorobenzene-d4	105 %	80-120		EPA 8260	2022-06-21	2022-06-21		(D) / HS, OOS



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17 August 2022

Work Order: 1586466

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: VOC on Water for Shellfish

Enclosed are the results of analyses for samples received by the laboratory on 2022-08-10 10:30. If you have any questions concerning this report, please feel free to contact me.

Headspace in all vials.

Sincerely,

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

Kerri Stanek
Project Manager
kstanek@midwestlabs.com



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-11 14:00

Sample ID: T383
Laboratory ID: 1585643-02
Sampled Date/Time: 2022-07-28 11:30

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dichlorodifluoromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Chloromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Vinyl chloride	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Bromomethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Trichlorofluoromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Chloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Acetone	<	30.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)/ CAL, CCAL
Ethyl Ether	<	30.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Iodomethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Acrylonitrile	<	20.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Methylene Chloride	<	3.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1,2-Trichloro-1,1,2-trifluoroethane	<	10.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Allyl Chloride	<	10.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Carbon disulfide	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
trans-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Methyl tert-Butyl Ether	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Vinyl acetate	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Chloroprene	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
2-Butanone	<	10.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)/ CAL
cis-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Bromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Chloroform	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
2,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Methyl Acrylate	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Tetrahydrofuran	<	20.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1,1-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Carbon Tetrachloride	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Benzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Dibromomethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Trichloroethene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Bromodichloromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Methyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
cis-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
4-Methyl-2-pentanone	<	10.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
trans-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1,2-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Toluene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,3-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Ethyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)

Work Order: 1585643

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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-11 14:00

Sample ID: T383
Laboratory ID: 1585643-02
Sampled Date/Time: 2022-07-28 11:30

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dibromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
2-Hexanone	<	10.0	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2-Dibromoethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Tetrachloroethene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1,1,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Chlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Ethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
m,p-Xylenes	<	2.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Bromoform	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
cis-1,4-Dichloro-2-butene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Styrene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,1,2,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
o-Xylene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2,3-Trichloropropane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
trans-1,4-Dichloro-2-butene	<	5.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Isopropylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Bromobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
n-Propyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
2-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
4-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,3,5-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
tert-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2,4-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
sec-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,3-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,4-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
p-Isopropyltoluene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
n-Butyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2-Dibromo-3-Chloropropane	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2,4-Trichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Naphthalene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Hexachlorobutadiene	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
1,2,3-Trichlorobenzene	<	2.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Total Xylenes	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Total Trihalomethanes	<	1.00	ug/L	EPA 8260	2022-08-09	2022-08-09	alt8	(C)
Surrogate: Toluene-d8	99 %	80-120		EPA 8260	2022-08-09	2022-08-09		(C)
Surrogate: Bromofluorobenzene	100 %	77.4-120		EPA 8260	2022-08-09	2022-08-09		(C)
Surrogate: 1,2-Dichlorobenzene-d4	110 %	80-120		EPA 8260	2022-08-09	2022-08-09		(C)



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17 August 2022

Work Order: 1586466

Natalie Simon
UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625
RE: VOC on Water for Shellfish

Enclosed are the results of analyses for samples received by the laboratory on 2022-08-10 10:30. If you have any questions concerning this report, please feel free to contact me.

Headspace in all vials.

Sincerely,

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

Kerri Stanek
Project Manager
kstanek@midwestlabs.com



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-17 14:43

Sample ID: W329
Laboratory ID: 1586466-01
Sampled Date/Time: 2022-08-09 11:00

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dichlorodifluoromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Chloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Vinyl chloride	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Bromomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Trichlorofluoromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Chloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Acetone	<	30.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)/ CAL, CCAL
Ethyl Ether	<	30.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Iodomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Acrylonitrile	<	20.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Methylene Chloride	<	3.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1,2-Trichloro-1,1,2-trifluoroethane	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Allyl Chloride	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Carbon disulfide	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
trans-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Methyl tert-Butyl Ether	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Vinyl acetate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Chloroprene	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
2-Butanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)/ CAL
cis-1,2-Dichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Bromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Chloroform	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
2,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Methyl Acrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Tetrahydrofuran	<	20.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2-Dichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1,1-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Carbon Tetrachloride	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Dibromomethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Trichloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Bromodichloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Methyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
cis-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
4-Methyl-2-pentanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
trans-1,3-Dichloropropene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1,2-Trichloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Toluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,3-Dichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Ethyl Methacrylate	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)

Work Order: 1586466

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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-17 14:43

Sample ID: W329
Laboratory ID: 1586466-01
Sampled Date/Time: 2022-08-09 11:00

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds								
Dibromochloromethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
2-Hexanone	<	10.0	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2-Dibromoethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Tetrachloroethene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1,1,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Chlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Ethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
m,p-Xylenes	<	2.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Bromoform	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
cis-1,4-Dichloro-2-butene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Styrene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,1,2,2-Tetrachloroethane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
o-Xylene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2,3-Trichloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
trans-1,4-Dichloro-2-butene	<	5.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Isopropylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Bromobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
n-Propyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
2-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
4-Chlorotoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,3,5-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
tert-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2,4-Trimethylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
sec-Butylbenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,3-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,4-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
p-Isopropyltoluene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2-Dichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
n-Butyl Benzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2-Dibromo-3-Chloropropane	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2,4-Trichlorobenzene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Naphthalene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Hexachlorobutadiene	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
1,2,3-Trichlorobenzene	<	2.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Total Xylenes	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Total Trihalomethanes	<	1.00	ug/L	EPA 8260	2022-08-16	2022-08-16	rrs5	(D)
Surrogate: Toluene-d8	102 %	80-120		EPA 8260	2022-08-16	2022-08-16		(D)
Surrogate: Bromofluorobenzene	98 %	77.4-120		EPA 8260	2022-08-16	2022-08-16		(D)
Surrogate: 1,2-Dichlorobenzene-d4	102 %	80-120		EPA 8260	2022-08-16	2022-08-16		(D)



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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-11 14:00

Certified Analyses included in this Report

Method	Analyte	Certifications
<i>EPA 8260 in Aqueous</i>	Dichlorodifluoromethane	FL,KS
	Chloromethane	FL,KS
	Vinyl chloride	FL,KS,TX
	Bromomethane	FL,KS,TX
	Chloroethane	FL,KS,TX
	Trichlorofluoromethane	FL,KS,TX
	Acetone	FL,KS
	1,1-Dichloroethene	FL,KS,TX
	Acrylonitrile	FL
	Methylene Chloride	FL
	1,1,2-Trichloro-1,1,2-trifluoroethane	FL
	Carbon disulfide	FL,KS,TX
	trans-1,2-Dichloroethene	FL,KS,TX
	Methyl tert-Butyl Ether	FL,KS,TX
	1,1-Dichloroethane	FL,KS,TX
	Vinyl acetate	FL,KS,TX
	2-Butanone	FL,TX
	cis-1,2-Dichloroethene	FL,KS,TX
	Bromochloromethane	FL,KS
	Chloroform	FL,KS,TX
	2,2-Dichloropropane	FL,KS
	1,2-Dichloroethane	FL,KS,TX
	1,1,1-Trichloroethane	FL,KS,TX
	1,1-Dichloropropene	FL,KS
	Carbon Tetrachloride	FL,KS,TX
	Benzene	FL,KS,TX,IA
	Dibromomethane	FL,KS,TX
	1,2-Dichloropropane	FL,KS,TX
	Trichloroethene	FL,KS,TX
	Bromodichloromethane	FL,KS,TX
	cis-1,3-Dichloropropene	FL,KS,TX
	4-Methyl-2-pentanone	FL,KS
	trans-1,3-Dichloropropene	FL,KS,TX
	1,1,2-Trichloroethane	FL,KS,TX
	Toluene	FL,KS,TX,IA
	1,3-Dichloropropane	FL,KS
	Dibromochloromethane	FL,KS,TX
	2-Hexanone	FL,KS,TX
	1,2-Dibromoethane	FL,TX
	Tetrachloroethene	FL,KS,TX
	1,1,1,2-Tetrachloroethane	FL,KS,TX
	Chlorobenzene	FL,KS,TX
Ethylbenzene	FL,KS,TX,IA	
m,p-Xylenes	FL	
Bromoform	FL,KS,TX	
Styrene	FL,KS,TX	
1,1,2,2-Tetrachloroethane	FL,KS,TX	

Work Order: 1585643

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UF/IFAS Shellfish Extension Pr - 59065
 11350 SW 153rd Court,
 Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
 2022-08-11 14:00

EPA 8260 in Aqueous

o-Xylene	FL,KS
1,2,3-Trichloropropane	FL,KS
Isopropylbenzene	FL
Bromobenzene	FL,KS
n-Propyl Benzene	FL,KS,TX
2-Chlorotoluene	FL,KS
4-Chlorotoluene	FL,KS
1,3,5-Trimethylbenzene	FL,KS,TX
tert-Butylbenzene	FL,KS,TX
1,2,4-Trimethylbenzene	FL,KS
sec-Butylbenzene	FL,KS,TX
1,3-Dichlorobenzene	FL,KS,TX
1,4-Dichlorobenzene	FL,TX
p-Isopropyltoluene	FL
1,2-Dichlorobenzene	FL,KS,TX
n-Butyl Benzene	FL,KS
1,2-Dibromo-3-Chloropropane	FL,KS,TX
1,2,4-Trichlorobenzene	FL,KS
Naphthalene	FL,KS,TX
Hexachlorobutadiene	FL,KS
1,2,3-Trichlorobenzene	FL,KS
Total Xylenes	FL,TX,IA
Total Trihalomethanes	FL

Non-Certified Analyses included in this Report

Method	Analyte
<i>EPA 8260 in Aqueous</i>	Ethyl Ether
	Iodomethane
	Allyl Chloride
	Chloroprene
	Methyl Acrylate
	Tetrahydrofuran
	Methyl Methacrylate
	Ethyl Methacrylate
	cis-1,4-Dichloro-2-butene
	trans-1,4-Dichloro-2-butene

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2022
IA	Iowa Department of Natural Resources	064	05/01/2023
KS	Kansas Department of Health and Environment	E-10402	04/30/2023
NE	State of Nebraska Dept of Health & Human Services	NE-04-05	06/30/2022
OK	Oklahoma Department of Environmental Quality	2021-011	08/31/2022
TX	Texas Commission on Environmental Quality	T104704416-21-15	07/31/2022
UT	State of Utah Department of Health	NE000012020-10	07/31/2022
WA	State of Washington Department of Ecology	C912	06/07/2023

Work Order: 1585643

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.



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UF/IFAS Shellfish Extension Pr - 59065
11350 SW 153rd Court,
Cedar Key, FL 32625

Project: VOC on Water for Shellfish

Project Manager: Natalie Simon

Reported:
2022-08-11 14:00

Notes and Definitions

- CCAL The analyte exceeds the required 20% RSD for the continuing calibration. Due to the large amount of analytes being tested, up to 10% can have a %RSD of greater than 20% but less than 35%.
- CAL The analyte exceeds the required 20% RSD for the initial calibration. Due to the large amount of analytes being tested, up to 10% can have a %RSD of greater than 20% but less than 35%.
- < Less than reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.