

ENVIROTECH LABORATORIES, INC.
MA CERT. NO.: M-MA 063

8 Jan Sebastian Drive
 Sandwich, MA 02563
 (508)888-6460 1-800-339-6460
 FAX (508)888-6446

Thursday, June 22, 2017


Woods Hole Oceanographic
 573 Woods Hole Rd.
 Woods Hole, MA 02543

Project Name: ESL Seawater Lab **Comments:**
Project Number:
Collection Date: 06/15/17 **Collection Time:**
Sampled By: K. Burgess
Lab Order Number: WW-171301
Date Received: 06/15/17

Sample Type	Sample Time	Sample Date	Comments			
Sump A	10:00	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*
Sample Type	Sample Time	Sample Date	Comments			
Head Tank B	10:10	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*
Sample Type	Sample Time	Sample Date	Comments			
Heat Exchanger 20 C	10:20	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*
Sample Type	Sample Time	Sample Date	Comments			
Output 20 D	10:30	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*
Sample Type	Sample Time	Sample Date	Comments			
UltraPure E	10:40	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Heterotrophic Plate Count	CFU/1 mL	<1	1/1 mL	06/15/17	mc @ 1530	SM 9215B
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*

BRL=below reportable limits

*see attached

By: 
 Ronald J. Saari
 Laboratory Director

ENVIROTECH LABORATORIES, INC.
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Thursday, June 22, 2017

Woods Hole Oceanographic
573 Woods Hole Rd.
Woods Hole, MA 02543

ProjectName: ESL Seawater Lab **Comments:**
Project Number:
Collection Date: 06/15/17 **Collection Time:**
Sampled By: K. Burgess
Lab Order Number: WW-171301
Date Received: 06/15/17

Sample Type	Sample Time	Sample Date	Comments			
Larval Tank F	10:50	06/15/17	ESL Seawater Lab			
Parameters	Units	Test Results	Reportable Limits	Date Analyzed	Analyst	Method
Volatile Organic Compounds*	ug/L	ND*	*	06/21/17	NEC*	*

BRL=below reportable limits

*see attached

By: 

Ronald J. Saari
Laboratory Director

New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706233
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301A
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrlonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

CONTINUED ON FOLLOWING PAGE

EPA Method 8260 Volatile Organic Compounds

Lab ID:	706233
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	101
4-Bromofluorobenzene	96
1,2-Dichlorobenzene-d4	91

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706234
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301B
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrylonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

CONTINUED ON FOLLOWING PAGE

EPA Method 8260 Volatile Organic Compounds

Lab ID:	706234
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	98
4-Bromofluorobenzene	91
1,2-Dichlorobenzene-d4	92

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706235
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301C
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrlonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

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EPA Method 8260 Volatile Organic Compounds

Lab ID:	706235
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	100
4-Bromofluorobenzene	89
1,2-Dichlorobenzene-d4	94

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706236
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301D
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrlonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

CONTINUED ON FOLLOWING PAGE

EPA Method 8260 Volatile Organic Compounds

Lab ID:	706236
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	100
4-Bromofluorobenzene	90
1,2-Dichlorobenzene-d4	95

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706237
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301E
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrlonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

CONTINUED ON FOLLOWING PAGE

EPA Method 8260 Volatile Organic Compounds

Lab ID:	706237
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	98
4-Bromofluorobenzene	89
1,2-Dichlorobenzene-d4	94

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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New England ChromaChem
6 Nichols Street
Salem, MA 01970
978-744-6600

Massachusetts DEP Lab. M-MA072

Sample Information

EPA Method 8260B Volatile Organic Compounds	
Lab ID:	706238
Client:	Envirotech Laboratory, Inc.
Client ID:	WW-171301F
State:	Liquid
Date Sampled:	06/15/17
Date Received:	06/20/17
Date Analyzed:	06/21/17

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Acetone	ND	Chloroprene	ND
Acetonitrile	ND	3-Chloropropene	ND
Acrolein	ND	3-Chloropropionitrile	ND
Acrlonitrile	ND	1,2-Dibromo-3-Chloropropane	ND
Allyl Alcohol	ND	Dibromochloromethane	ND
Allyl Chloride	ND	1,2-Dibromoethane	ND
Benzene	ND	Dibromomethane	ND
Benzyl Chloride	ND	1,2-Dichlorobenzene	ND
Bromoacetone	ND	1,3-Dichlorobenzene	ND
Bromodichloromethane	ND	1,4-Dichlorobenzene	ND
Bromoform	ND	Cis-1,4-Dichloro-2-Butene	ND
Bromochloromethane	ND	Trans-1,4-dichloro-2-butene	ND
N-Butanol	ND	Dichlorodifluoromethane	ND
2-Butanone	ND	1,1-Dichloroethane	ND
N-Butylbenzene	ND	1,2-Dichloroethane	ND
Sec-Butylbenzene	ND	1,1-Dichloroethene	ND
Tert-Butylbenzene	ND	cis-1,2-dichloroethene	ND
Carbon Disulfide	ND	trans-1,2-dichloroethene	ND
Carbon Tetrachloride	ND	1,2-Dichloropropane	ND
Chloral Hydrate	ND	1,3-Dichloro-2-propanol	ND
Chlorobenzene	ND	Cis-1,3-dichloropropene	ND
2-Chloro-1,3-butadiene	ND	Trans-1,3-dichloropropene	ND
Chlorobromomethane	ND	1,2,3,4-Diepoxybutane	ND
Chloroethane	ND	Diethyl Ether	ND
2-Chloroethanol	ND	1,4-Dioxane	ND
Bis-(2-Chloroethyl) Sulfide	ND	Epichlorohydrin	ND
2-Chloroethyl Vinyl Ether	ND	Ethanol	ND
Chloroform	ND	Ethyl Acetate	ND
Chloromethane	ND	Ethylbenzene	ND

CONTINUED ON FOLLOWING PAGE

EPA Method 8260 Volatile Organic Compounds

Lab ID:	706238
Client ID:	Envirotech Laboratory, Inc.

Analytical Results

Parameter	Results ug/L	Parameter	Results ug/L
Ethylene Oxide	ND	Propargyl Alcohol	ND
Ethyl Methacrylate	ND	B-Propiolactone	ND
Hexachlorobutadiene	ND	Propionitrile	ND
Hexachloroethane	ND	N-Propylamine	ND
2-Hexanone	ND	N-Propylbenzene	ND
2-Hydroxypropionitrile	ND	Pyridine	ND
Iodomethane	ND	Styrene	ND
Isobutyl Alcohol	ND	1,1,1,2-Tetrachloroethane	ND
Isopropylbenzene	ND	1,1,2,2-Tetrachloroethane	ND
P-Isopropyltoluene	ND	Tetrachloroethene	ND
Malononitrile	ND	Toluene	ND
Methacrylonitrile	ND	1,2,4-Trichlorobenzene	ND
Methanol	ND	1,1,1-Trichloroethane	ND
Methylene Chloride	ND	1,1,2-Trichloroethane	ND
Methyl Iodide	ND	Trichloroethene	ND
Methyl Methacrylate	ND	Trichlorofluoromethane	ND
4-Methyl-2-pentanone	ND	1,2,3-Trichloropropane	ND
Methyl-tert-butyl Ether	ND	1,3,5-Trimethylbenzene	ND
Naphthalene	ND	1,2,4-Trimethylbenzene	ND
Nitrobenzene	ND	Vinyl Acetate	ND
2-Nitropropane	ND	Vinyl Chloride	ND
Pentachloroethane	ND	m&p-Xylene	ND
2-Picoline	ND	o-Xylene	ND

Internal Standard Recoveries (%)

Benzene-d6	98
4-Bromofluorobenzene	90
1,2-Dichlorobenzene-d4	95

Method Detection Limit: 100 ug/L

MA does not offer certification for this method.

Electronically signed and approved by: Mr. Bruce A. Bornstein, Lab Director	06/22/17 Date
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706233 - 706239

CHAIN OF CUSTODY FORM						ENVIROTECH LABS, INC. 8 Jan Sebastian Dr., Unit 12			NE Chromachem	
PWS:		Project Name: WHOI-ESL Seawater Lab				Sandwich, MA 02563 (508)888-6460			Address 6 Nichols St Salem, MA 01970	
Sampler:		Kevin Burgess				1-800-339-6460 FAX (508)888-6446			Phone# 1-978-744-6600 Fax# 206 984 2474	
Lab ID #	Date	Time	Comp	Grab	Station location	Container	Pres.	Sample type	Analysis requested	
WW-171301A	06/15/17	1000		x	SUMP	2VOA	HCl	Seawater	EPA 8260B Extended 706233	
WW-171301B	06/15/17	1010		x	HEAD TANK	2VOA	HCl	Seawater	EPA 8260B Extended 706234	
WW-171301C	06/15/17	1020		x	HEAT EXCHANGE 20°C	2VOA	HCL	Seawater	EPA 8260B Extended 706235	
WW-171301D	06/15/17	1030		x	OUTPUT 20°C	2VOA	HCL	Seawater	EPA 8260B Extended 706236	
WW-171301E	06/15/17	1040		x	ULTRAPURE	2VOA	HCL	Seawater	EPA 8260B Extended 706237	
WW-171301F	06/15/17	1050		x	LARVAL TANK	2VOA	HCL	Seawater	EPA 8260B Extended 706238	
									Contact lab with any exceeded MCL	
Relinquished: <i>J. Savally</i>					Date/Time: 6/19/17		Received: UPS		Relinquished:	
Relinquished: UPS					Date/Time: 6/20 100		Received: 650		Relinquished:	

CHAIN OF CUSTODY FORM

5

Proj. No. Project Name:

Sampler: *L. Burgess*

WH01 - ESL SEAWATER LAB

Lab ID # Date Time Comp Grab

100-171301A 6/15/17 1000 X

B 1010

C 1020

D 1030

E 1040

F 1050

Relinquished: *He P...*

Relinquished: *He P...*

ENVIROTECH LABS, INC.
8 Jan Sebastian Dr., Unit 12
Sandwich, MA 02563
(508)888-6460/1-800-339-6460
FAX (508)888-6446

Client: WH01 - ESL
Address: SEAWATER LAB
Phone#:
email: almy@wseinc.com

container Pres. Analysis Requested

VOC EPA 8210B EXT.

HEAT EXCHANGER 20°C

ULTRAPURE

LANVAE TANK

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Date/Time 6-15-17 1225

Received: *[Signature]*

Relinquished:
Date/Time

Received:
Date/Time