
Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096

Tel.: (207) 846-6569

Fax: (207) 846-9066

Email: melab@mel-lab.com

Ronald C. Huber
Friends of Penobscot Bay
P.O. Box 1871
Rockland, ME 04841

September 15, 2016

Page 1 of 9

Report No.: FPB001-16

Enclosed are the results of the analyses requested for your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times. All quality control data was within laboratory acceptance limits unless noted. The Limit of Quantitation (LOQ) is the minimum level for reporting quantitative data. The Limit of Detection (LOD) is the minimum level for reporting estimated data. Data reported between the Limit of Quantitation and Limit of Detection are J flagged as estimated. Maine Environmental Laboratory is certified by Maine (cert. #2015007) and New Hampshire NELAP (NH ELAP) (cert. #2031). A list of certified parameters is available on request. The results reported herein conform to the most current NELAP standards where applicable unless otherwise narrated in this report. This report shall not be reproduced except in full without the written consent of the laboratory.

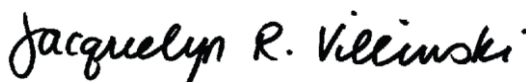
The complete report consists of the following sections:

Maine Environmental Laboratory report
Chain of Custody form

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.
EPA1 - EPA/600/R-93/100 Methods for the Determination of Inorganic Substances in Environmental Samples, Aug. 1993.
EPA2 - EPA/600/R-94/111, Methods for the Determination of Metals in Environmental Samples, Supplement 1, May, 1994.
EPA3-EPA/600/R-06/115, Determination of Trace Elements in DW by Axially Viewed ICP-Atomic Emission Spectrometry, Rev 4.2 Oct. 2003
STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA, AWWA, WPCF, 1992.
STM1 - Standard Methods for the Examination of Water and Wastewater, 20th edition, APHA, AWWA, WPCF, 1998.
SW8- SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
CLP - USEPA CLP Statement of Work for Inorganic Superfund Methods, ISM01.2, Exh. D, Sec. 1.6, Jan. 2010.
HACH - Chemical Oxygen Demand, Method 8000, Hach Handbook of Water Analysis, Hach Chemical Company, 1979.
HEX - EPA-821-R-98-002, Method 1664, Rev. A: N-Hexane Extractable Material by Extraction and Gravimetry, Feb. 1999.
AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature



Jacquelyn R. Villinski, Laboratory Director

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Page 2 of 9

September 15, 2016

Report No:	FPB001-16	Sampler:	R.H.
Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-01	Sample ID:	1

Data reported on a dry-weight basis.

Parameter	Results	units	Date	LOD	LOQ	Method	Reference
			Analyzed				
Aluminum, total	10600	mg/kg	09/14/16	7	20	3050B/6010B	SW8
Sulfur, total	25400	mg/kg	09/14/16	665	1995	3050B/6010B	SW8
Total Solids	75.09	%	09/01/16		0.01	2540G	STM1
pH*	5.40	pH units	09/07/16		0.01	9045D	SW8

*Data reported on an as-received basis.

ND = not detected	J = estimated	B = detected in blank	S = DLs increased due to sample matrix
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Page 3 of 9

September 15, 2016

Report No:	FPB001-16	Sampler:	R.H.
Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-02	Sample ID:	2

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	3545	mg/kg	09/14/16	6	18	3050B/6010B	SW8
Sulfur, total	289700	mg/kg	09/14/16	3075	9225	3050B/6010B	SW8
Total Solids	81.49	%	09/01/16		0.01	2540G	STM1
pH*	3.50	pH units	09/07/16		0.01	9045D	SW8

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Page 4 of 9

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Report No:	FPB001-16	Sampler:	R.H.
Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-03	Sample ID:	3

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	3023	mg/kg	09/14/16	6	17	3050B/6010B	SW8
Sulfur, total	50400	mg/kg	09/14/16	580	1740	3050B/6010B	SW8
Total Solids	86.35	%	09/01/16		0.01	2540G	STM1
pH*	3.12	pH units	09/07/16		0.01	9045D	SW8

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Page 5 of 9

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Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-04	Sample ID:	4

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	1927	mg/kg	09/14/16	6	18	3050B/6010B	SW8
Sulfur, total	235500	mg/kg	09/14/16	2925	8775	3050B/6010B	SW8
Total Solids	85.69	%	09/01/16		0.01	2540G	STM1
pH*	3.40	pH units	09/07/16		0.01	9045D	SW8

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Page 6 of 9

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Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-05	Sample ID:	5

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	2980	mg/kg	09/14/16	6	18	3050B/6010B	SW8
Sulfur, total	250500	mg/kg	09/14/16	2925	8775	3050B/6010B	SW8
Total Solids	85.23	%	09/01/16		0.01	2540G	STM1
pH*	3.20	pH units	09/07/16		0.01	9045D	SW8

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Page 7 of 9

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Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-06	Sample ID:	6

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	2805	mg/kg	09/14/16	6	18	3050B/6010B	SW8
Sulfur, total	163800	mg/kg	09/14/16	3050	9150	3050B/6010B	SW8
Total Solids	82.07	%	09/01/16		0.01	2540G	STM1
pH*	5.08	pH units	09/07/16		0.01	9045D	SW8

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Page 8 of 9

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Date received:	09/01/16	Sampling date:	08/30/16
Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-07	Sample ID:	7

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	9506	mg/kg	09/14/16	6	19	3050B/6010B	SW8
Sulfur, total	11500	mg/kg	09/14/16	313	938	3050B/6010B	SW8
Total Solids	80.28	%	09/01/16		0.01	2540G	STM1
pH*	6.65	pH units	09/07/16		0.01	9045D	SW8

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Page 9 of 9

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Project ID:	Stockton Harbor Test 8/30/16	Sample matrix:	Sediment/Mud
Laboratory ID:	FPB00116-08	Sample ID:	8

Data reported on a dry-weight basis.

Parameter	Results	units	Date Analyzed	LOD	LOQ	Method	Reference
Aluminum, total	11400	mg/kg	09/14/16	7	21	3050B/6010B	SW8
Sulfur, total	17500	mg/kg	09/14/16	355	1065	3050B/6010B	SW8
Total Solids	70.25	%	09/01/16		0.01	2540G	STM1
pH*	6.31	pH units	09/07/16		0.01	9045D	SW8

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MAINE ENVIRONMENTAL LABORATORY - Chain of Custody

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FOR LAB USE ONLY

ANALYSES (Specify Method: RCRA, NPDES, DW, etc.)

LABORATORY REPORT # FPB001-102

SAMPLE RECEIVING

Within Hold Time? ☒ Yes ☐ No ☐ N/A

Good Condition? ☒ Yes ☐ No ☐ N/A

Preserved? ☐ Yes ☐ No ☒ N/A

Custody Seal? ☐ Yes ☐ No ☒ N/A

Del. by: E Huber

Temp. °C NA

REPORT TO: Ronald D. Huber

TELEPHONE

EMAIL

COMPANY: Friends of Penobscot Bay

207-691-7485 contact@fogmail.com

ADDRESS: PO 1871 Rockland, ME 04841

PROJECT NAME: Stockton Harbor Test 8/30/16

SAMPLER NAME

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION		SAMPLE TYPE	GRAB	COMP.	METHOD PRESERVED	SAMPLING		LAB ID/SUBCONTRACTOR
			YES	NO					DATE	TIME	
1	1	G		X	Sealant	X			8/30/16	3:30	01
2	1					X				3:35	02
3	1					X				3:40	03
4	1					X				3:45	04
5	1					X				3:50	05
6	1					X				3:55	06
7	1					X				4:00	07
8	1					X				4:05	08

TURNAROUND REQUEST

REPORTING REQUIREMENTS?

COMMENTS

Quoted \$74.80 per sample

☒ Standard

☐ Priority (SURCHARGE)

☒ ME DEP EDD

☐ DW Compliance (sent to State)

☐ CC Results to

RELINQUISHED BY SAMPLER: E Huber

RELINQUISHED BY:

RELINQUISHED BY:

RELINQUISHED BY:

DATE: 9/1/16 TIME: 1:05 pm

RECEIVED BY: [Signature]

RECEIVED BY LABORATORY: [Signature]