

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

8 Jan Sebastian Drive Unit 12

Sandwich, MA 02563

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Client Name : Chip Clunie
Address : 10 Surfside Road
Nantucket, MA 02554

Location : 10 Surfside Road
Nantucket MA 02554

Collected By : C Clunie
Sample Type : Drinking Water

Lab Number : DW-244421

Date Received : 09/25/24

Well Specs :

Location Source A	Date Collected 09/25/24	Time Collected 6:57	Comments			
Analysis Requested	Units	Recommended Limits	Analysis Result	Method	Date Analyzed	Analyzed By
PFOA/PFOS	ng/L	20	See attached	EPA 537.1	10/08/2024	RIA*

Comments:

PFAS results are on page 4 of the attached report.

All samples were analyzed within the established guidelines of US EPA approved methods with all requirements met, unless otherwise noted at the end of a given sample's analytical results.

We certify that the following results are true and accurate to the best of our knowledge.


Ronald J. Saari
Laboratory Director

Date 10/14/2024



LABORATORY REPORT

Envirotech Laboratories, Inc.
Attn: Mr. Ron Saari
8 Jan Sebastian Drive
Sandwich, MA 02563

Date Received: 10/3/2024
Date Reported: 10/9/2024
P.O. Number DW-244421

Work Order #: 2410-16163

Project Name: NANTUCKET HIGH SCHOOL 10 SURFSIDE RD

Enclosed are the analytical results and Chain of Custody for your project referenced above. The sample(s) were analyzed by our Warwick, RI laboratory unless noted otherwise. When applicable subcontracted results are noted and subcontracted reports are enclosed in their entirety.

All samples were analyzed within the established guidelines of US EPA approved methods with all requirements met, unless otherwise noted at the end of a given sample's analytical results or in a case narrative.

The Detection Limit is defined as the lowest concentration of an analyte that can be reliably detected under routine laboratory conditions. The Reporting Limit is the minimum concentration that can be reliably quantified under routine laboratory conditions.

These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:

Lauren Batalon
Data Reporting Specialist

Laboratory Certification Numbers (as applicable to sample's origin state):
Warwick RI * RI LAI00033, MA M-RI015, CT PH-0508

Report Qualifiers & Abbreviations

These qualifiers/abbreviations may or may not be present in this report.

Qualifier	Descriptions
*	Recovery outside of acceptance limits
B	Analyte detected in method blank at a level about the detection limit
D	Surrogate diluted out to reach a parameter result within the instrument calibration curve
E	Parameter result exceeds calibration curve
J	Estimated result based on MDL

Abbreviation	Definition
BLK	Method Blank
CFU	Colony Forming Unit
DF	Dilution Factor
DL	Detection Limit
LCS(D)	Laboratory Control Standard (Duplicate)
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
MDL	Method Detection Limit
MPN	Most Probable Number
MS(D)	Matrix Spike (Duplicate)
QC	Quality Control
RPD	Relative Percent Difference
TIC	Tentatively Identified Compound
TNTC	Too Numerous to Count
*CS	Field data provided by the client

Parameter	Full Name
PFBS	Perfluorobutanesulfonic acid
PFDA	Perfluorodecanoic acid
PFDoA	Perfluorododecanoic acid
PFHpA	Perfluoroheptanoic acid
PFHxA	Perfluorohexanoic acid
PFHxS	Perfluorohexanesulfonic acid
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PFTA	Perfluorotetradecanoic acid
PFTTrDA	Perfluorotridecanoic acid
PFuNA	Perfluoroundecanoic acid
NaDONA	4,8-dioxa-3H-perfluorononanoic acid
9CI-PF3ONS	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
11CI-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
HFPO-DA (GenX)	Hexafluoropropylene oxide dimer acid
¹³ C ₂ -PFDA	Perfluoro-n-[1,2- ¹³ C ₂]decanoic acid
¹³ C ₂ -PFHxA	Perfluoro-n-[1,2- ¹³ C ₂]hexanoic acid
d ₅ -NEtFOSAA	N-ethyl-d ₅ -perfluoro-1-octanesulfonamidoacetic acid
¹³ C ₃ -HFPO-DA	2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)- ¹³ C ₃ -propanoic acid

PFAS6

= PFOS + PFOA + PFHxS + PFNA + PFHpA + PFDA

Hazard Index

= [HFPO-DA/10] + [PFNA/10] + [PFHxS/9] + [PFBS/2000]

R.I. Analytical Laboratories, Inc.

Laboratory Report

Envirotech Laboratories, Inc.

Work Order #: 2410-16163

Project Name: NANTUCKET HIGH SCHOOL 10 SURFSIDE RD

Sample Number: 001
Sample Description: DW-244421 ROOM 109 FAUCET
Sample Type : GRAB
Sample Date / Time : 9/25/2024 @ 06:57

PARAMETER	SAMPLE RESULTS	REP. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
PFAS						
PFOS	0.14 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFOA	0.30 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFHxS	0.19 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFNA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFHpA	0.34 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFDA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFAS6	<2.0	2.0	ng/L	CALCULATION	10/8/2024 15:53	JBW
PFBS	0.44 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFDoA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFHxA	0.35 J	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFTA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFTTrDA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
PFuNA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
NEtFOSAA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
NMeFOSAA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
11CI-PF3OUdS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
9CI-PF3ONS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
NaDONA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
HFPO-DA (GenX)	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 15:53	JBW
Hazard Index	<0.62	0.62	ng/L	CALCULATION	10/8/2024 15:53	JBW
Surrogates			RANGE	EPA 537.1	10/8/2024 15:53	JBW
13C2-PFDA	98		70-130%	EPA 537.1	10/8/2024 15:53	JBW
13C2-PFHxA	100		70-130%	EPA 537.1	10/8/2024 15:53	JBW
d5-NEtFOSAA	100		70-130%	EPA 537.1	10/8/2024 15:53	JBW
13C3-HFPO-DA	98		70-130%	EPA 537.1	10/8/2024 15:53	JBW
PFA Prep				EPA 537.1 Prep	10/7/2024 9:01	DMW

R.I. Analytical Laboratories, Inc.

Laboratory Report

Envirotech Laboratories, Inc.

Work Order #: 2410-16163

Project Name: NANTUCKET HIGH SCHOOL 10 SURFSIDE RD

Sample Number: 002
 Sample Description: FIELD BLANK
 Sample Type : GRAB
 Sample Date / Time : 9/25/2024 @ 06:57

PARAMETER	SAMPLE RESULTS	REP. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
PFAs (Field Blank)						
PFOS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFOA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFHxS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFNA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFHpA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFDA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFAS6	<2.0	2.0	ng/L	CALCULATION	10/8/2024 16:05	JBW
PFBS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFDoA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFHxA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFTA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFTTrDA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
PFuNA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
NEtFOSAA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
NMeFOSAA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
11CI-PF3OUdS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
9CI-PF3ONS	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
NaDONA	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
HFPO-DA (GenX)	<2.0	2.0	ng/L	EPA 537.1	10/8/2024 16:05	JBW
Hazard Index	<0.62	0.62	ng/L	CALCULATION	10/8/2024 16:05	JBW
Surrogates			RANGE	EPA 537.1	10/8/2024 16:05	JBW
13C2-PFDA	99		70-130%	EPA 537.1	10/8/2024 16:05	JBW
13C2-PFHxA	104		70-130%	EPA 537.1	10/8/2024 16:05	JBW
d5-NEtFOSAA	105		70-130%	EPA 537.1	10/8/2024 16:05	JBW
13C3-HFPO-DA	102		70-130%	EPA 537.1	10/8/2024 16:05	JBW
PFA Field Blank Prep				EPA 537.1 Prep	10/7/2024 9:01	DMW

NATIONAL PRIMARY DRINKING WATER REGULATIONS

MICROBIOLOGICAL (MCL*)			
Total Coliform Bacteria	Absent	or	<1 MPN/100mL
Fecal Coliform and <i>E. coli</i>	Absent	or	<1 MPN/100mL
Heterotrophic plate count (HPC)			≤500 CFU/mL
INORGANIC COMPOUNDS mg/L			
Aluminum A	0.05 to 0.2	Iron A	0.3
Antimony	0.006	Lead	0.015
Arsenic	0.010	Manganese A	0.05
Barium	2.0	Mercury	0.002
Beryllium	0.004	Nitrate (measured as Nitrogen)	10
Cadmium	0.005	Nitrite (measured as Nitrogen)	1
Chloride A	250	Odor A	3 threshold odor number
Chlorite	1.0	pH A	6.5-8.5
Chromium (total)	0.1	Silver A	0.10
Color A	15 (color units)	Sulfate A	250
Copper	1.3 MCLG	Selenium	0.05
Copper A	1.0	Thallium	0.002
Cyanide (as free cyanide)	0.2	Total Dissolved Solids A	500
Fluoride	4.0	Turbidity	5.0 NTU
Fluoride A	2.0	Zinc A	5
VOLATILE ORGANIC COMPOUNDS mg/L			
Benzene			0.005
Carbon tetrachloride			0.005
Chlorobenzene			0.1
1,2-Dichlorobenzene			0.6
1,4-Dichlorobenzene			0.075
1,2-Dichloroethane			0.005
1,1-Dichloroethylene			0.007
cis-1,2-Dichloroethene			0.007
trans-1,2-Dichloroethene			0.1
Dichloromethane			0.005
1,2-Dichloropropane			0.005
Ethylbenzene			0.7
Styrene			0.1
Tetrachloroethene			0.005
Toluene			1
Total Trihalomethanes (TTHM) β			0.080
1,2,4-trichlorobenzene			0.07
1,1,1-Trichloroethane			0.2
1,1,2-Trichloroethane			0.005
Trichloroethene			0.005
Vinyl chloride			0.002
Xylenes (total)			10
PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES (PFAS) ng/L			
PFHpA			20
PFDA			20
PFAS6			<20
PFOA			4.0
PFOS			4.0
PFNA			10
PFHxS			10
HFPO-DA			10
Hazard Index (Annual Average)			<1.0

A National Secondary Drinking Water Regulation

β Sum of concentrations of Dibromodichloromethane, Bromoform, Chloroform, and Dibromochloromethane

