

Garden State Laboratories, Inc.

Report Date: 08/02/2023

Bacteriological and Chemical Testing

Toll Free 800-273-8901
Telephone 908-688-8900
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Email: info@gslabs.com
Internet: www.gslabs.com

Main Lab
410 Hillside Avenue
Hillside, New Jersey 07205
NJDEP Lab Cert. #20044

Jersey Shore Lab
54 Main Street
Waretown, New Jersey 08758
NJDEP Lab Cert. #15037

Mathew Klein, M.S., Founder (1916-1996)
Harvey Klein, M.S., Laboratory Director
Jordan B. Klein, B.A., Exec. Vice President
Sharon Ercoliani, B.A. Laboratory Manager

For: Franklin Twp. Elem. School - JM
P.O. Box 368
226 Quakertown Road
Quakertown, NJ 08868

Laboratory Director:

Attention: Lori Tirone

Client Number: FRA41

Sample ID: 226 Quakertown Rd, Quakertown NJ, 08868
Lab Sample ID: 230710005-01
PWSID Number: NJ1010300
Site: DS - Room 141 Teachers Lounge - THM/HAA
Collection Date/Time: 07/10/2023 10:29
Facility ID: DS
Matrix: Potable water
Sample Type: Grab
Site Code: DBP2-1

Analyte	Method	SM YR	DF	Sample Result	MCL	Rep. Limit	MDL	Lab Cert No.	Analysis Date/Time	Qualifiers
Chloroform	EPA 524.2		1	0.600 µg/l		0.500	0.48	20044	07/11/23 16:13	
Bromoform	EPA 524.2		1	1.16 µg/l		0.500	0.13	20044	07/11/23 16:13	
Bromodichloromethane	EPA 524.2		1	1.25 µg/l	Total THMs 80	0.500	0.19	20044	07/11/23 16:13	
Dibromochloromethane	EPA 524.2		1	2.10 µg/l		0.500	0.12	20044	07/11/23 16:13	
Monochloroacetic acid	EPA 552.2		1	<2.00 µg/l		2.00	0.3	20044	07/18/23 17:33	
Dichloroacetic acid	EPA 552.2		1	<1.00 µg/l		1.00	0.61	20044	07/18/23 17:33	
Trichloroacetic acid	EPA 552.2		1	<1.00 µg/l		1.00	0.33	20044	07/18/23 17:33	
Monobromoacetic acid	EPA 552.2		1	<1.00 µg/l		1.00	0.3	20044	07/18/23 17:33	
Dibromoacetic acid	EPA 552.2		1	1.02 µg/l	Total HAAs 60	1.00	0.47	20044	07/18/23 17:33	

Sample ID: 226 Quakertown Road, Quakertown NJ, 08868
Lab Sample ID: 230710005-02
PWSID Number: NJ1010300
Site: DS - Room 152 Sink
Collection Date/Time: 07/10/2023 10:36
Facility ID: DS
Matrix: Potable water
Sample Type: Grab

Analyte	Method	SM YR	DF	Sample Result	MCL	Rep. Limit	MDL	Lab Cert No.	Analysis Date/Time	Qualifiers
Free Chlorine, Residual	SM 4500Cl-G	11	1	<0.0500 mg/l	4	0.0500	0.02	20044	07/10/23 10:39	
Heterotrophic Plate Count	SM 9215 B	04	1	10 CFU/1ml	500	5		20044	07/10/23 18:02	
E. coli	SM 9223 B Colifert	16	1	Absent per 100ml	Absent	1		20044	07/10/23 18:02	
Total Coliform	SM 9223 B Colifert 18	15	1	Absent per 100ml	Absent	1		20044	07/10/23 18:02	



Garden State Laboratories, Inc.

Sample ID: 226 Quakertown Road, Quakertown NJ, 08868 Lab Sample ID: 230710005-03 PWSID Number: NJ1010300
 Site: POE Collection Date/Time: 07/10/2023 10:43 Facility ID: TP001001
 Matrix: Potable water Sample Type: Grab

Analyte	Method	SM YR	DF	Sample Result	MCL	Rep. Limit	MDL	Lab Cert No.	Analysis Date/Time	Qualifiers
PFA's Full List	EPA 537.1		1	See attached				IN598	07/18/23 21:32	

Sample ID: Field Blank Lab Sample ID: 230710005-04 PWSID Number: NFC
 Site: NFC - Potable Collection Date/Time: 07/10/2023 10:43 Facility ID:
 Matrix: Potable water Sample Type: Grab

Analyte	Method	SM YR	DF	Sample Result	MCL	Rep. Limit	MDL	Lab Cert No.	Analysis Date/Time	Qualifiers
PFA's Full List	EPA 537.1		1	See attached				IN598	07/21/23 05:13	

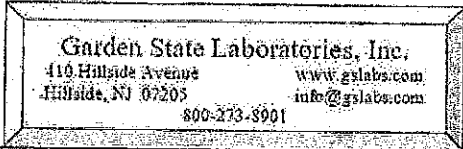
DF=Dilution factor, <=less than, MCL=Maximum Contaminant Level, Rep. Limit=Reporting Limit, MDL=Method Detection Limit, SM YR=Standard Methods Publication Year, and NC=Not Certified. The liability of Garden State Laboratories, Inc. for services rendered shall in no event exceed the amount of the invoice. Main Lab certified by NJDEP #20044-TNI, NY Dept. of Health #11550 and PADEP #68-03680.



Garden State Laboratories, Inc.

Client #: FRA41 PWS ID#: NJ1010300

Client: Franklin Twp. Elem. School - JM



Micro #:

Chem #: 280710005-01

Address: P.O. Box 368 226 Quakertown Road Quakertown, NJ 08868

Contact Name: Lori Tirone

Phone: 908-736-7929

Treatment: YC

WK 80
7/9

POE: POE

Sampling Site Address: 226 Quakertown Rd, Quakertown NJ, 08868

Field Instructions/Notes:

Sample Location: DS - Room 141 Teachers Lounge - THM/HAA

Flush Start:

7-10-23
10:26 AM Sample Date/Time: 10:29 AM

Residual Chlorine (mg/L):

N/A

Other Field Readings:

N/A

Aerator Removed: Yes No Not Present

Sampling Sanitation Method Used: Alcohol Flame Gloves

Parameters Required: HAA, THMs

Bottles Required: 3 40 ml vial with Thio, 40 ml Amber Vial Am.Cl

08-01

Sampled By (Print):

Oliver Bards

Signature:

7-10-23 10:45 AM

Client/Client Rep (Print):

Jim Schwarz

Signature:

Date/Time:

7-10-23 10:45 AM

Received (Print):

Kevin Miller

Signature:

Date/Time:

7/10/23 Temp: 1.60

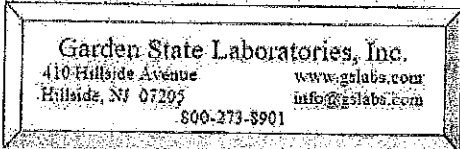
16.87

CMB/1795 00212023

GSL Hillside - Hunterdon July

Client #: FRA41 PWS ID#: NJ1010300

Client: Franklin Twp. Elem. School - JM



Micro #: 289710005-02

Chem #: 289710005-03

05-04-12

Address: P.O. Box 368 226 Quakertown Road Quakertown, NJ 08868

Contact Name: Lori Tirone

Phone: 908-735-7929

Treatment: YC

POE: POE

Sampling Site Address: 226 Quakertown Road, Quakertown NJ, 08868

Field Instructions/Notes:

Sample Location: DS - Room 152 Sink
Flush Start: 10:32 Sample Date/Time: 7-10-23 10:36am

Residual Chlorine (mg/L): 20.05 Other Field Readings: N/A

Aerator Removed: Yes No Not Present
Sampling Sanitation Method Used: Alcohol Flame Gloves

Parameters Required: Total Coliform, HPC
Bottles Required: 120 ml Thio 08-02

Sample Location: POE
Flush Start: 10:40 Sample Date/Time: 7-10-23 10:43am

Residual Chlorine (mg/L): N/A Other Field Readings: N/A

Aerator Removed: Yes No Not Present
Sampling Sanitation Method Used: Alcohol Flame Gloves

Parameters Required: PFAS
Bottles Required: 2-250 Trisma + FB 05-03
05-04-12

Sampled By (Print): Oliver Benedek Signature: [Signature] Date/Time: 7-10-23 10:45am

Client/Client Rep. (Print): Jim Schwa Signature: [Signature] Date/Time: 7-10-23 10:45

Received (Print): [Signature] Signature: [Signature] Date/Time: 7/10/23 Temp: 16.6

ANALYTICAL REPORT**PREPARED FOR**

Attn: Elinor Battler
Garden State Labs
410 HILLSIDE AVE
Hillside, New Jersey 07205

Generated 8/1/2023 7:32:52 PM

JOB DESCRIPTION

230710005-03,04

JOB NUMBER

810-68895-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization



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Authorized for release by
Anne Petersen, Project Manager
Anne.Petersen@et.eurofinsus.com
(574)233-4777

Case Narrative

Client: Garden State Labs
Project/Site: 230710005-03,04

Job ID: 810-68895-1



Job ID: 810-68895-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative
810-68895-1

Receipt

The samples were received on 7/11/2023 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

PFAS

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Garden State Labs
Project/Site: 230710005-03,04

Job ID: 810-68895-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
810-68895-1	230710005-03	Drinking Water	07/10/23 10:43	07/11/23 07:40	NJ1010300
810-68895-2	230710005-04 FTB	Drinking Water	07/10/23 10:43	07/11/23 07:40	NJ1010300



Client Sample Results

Client: Garden State Labs
Project/Site: 230710005-03,04

Job ID: 810-68895-1

Client Sample ID: 230710005-03

Lab Sample ID: 810-68895-1

Date Collected: 07/10/23 10:43

Matrix: Drinking Water

Date Received: 07/11/23 07:40

PWSID Number: NJ1010300

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Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)									
Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst	
Perfluorooctanesulfonic acid (PFOS)	4.3		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorohexanoic acid (PFHxA)	3.8		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorooctanoic acid (PFOA)	5.8		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorodecanoic acid (PFDA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorobutanesulfonic acid (PFBS)	2.1		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorononanoic acid (PFNA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorotetradecanoic acid (PFTeDA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Perfluorotridecanoic acid (PFTrDA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
N-methylperfluorooctanesulfonamideacetic acid (NMeFOSAA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
N-ethylperfluorooctanesulfonamideacetic acid (NEtFOSAA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
11-Chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		07/18/23 21:32	1	PP	
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst	
13C2 PFHxA	102		70 - 130			07/18/23 21:32	1	PP	
13C2 PFDA	104		70 - 130			07/18/23 21:32	1	PP	
13C3 HFPO-DA	109		70 - 130			07/18/23 21:32	1	PP	
d5-NEtFOSAA	96		70 - 130			07/18/23 21:32	1	PP	

Client Sample ID: 230710005-04 FTB

Lab Sample ID: 810-68895-2

Date Collected: 07/10/23 10:43

Matrix: Drinking Water

Date Received: 07/11/23 07:40

PWSID Number: NJ1010300

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)									
Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst	
Perfluorooctanesulfonic acid (PFOS)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorohexanoic acid (PFHxA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorooctanoic acid (PFOA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorodecanoic acid (PFDA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorobutanesulfonic acid (PFBS)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorononanoic acid (PFNA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorotetradecanoic acid (PFTeDA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Perfluorotridecanoic acid (PFTrDA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: Garden State Labs
 Project/Site: 230710005-03,04

Job ID: 810-68895-1

Client Sample ID: 230710005-04 FTB

Lab Sample ID: 810-68895-2

Date Collected: 07/10/23 10:43

Matrix: Drinking Water

Date Received: 07/11/23 07:40

PWSID Number: NJ1010300

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst	
N-methylperfluorooctanesulfonamideacetic acid (NMeFOSAA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
N-ethylperfluorooctanesulfonamideacetic acid (NEtFOSAA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
11-Chloroheptacosafuoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		07/21/23 05:13	1	PP	
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst	
13C2 PFHxA	117		70 - 130			07/21/23 05:13	1	PP	
13C2 PFDA	119		70 - 130			07/21/23 05:13	1	PP	
13C3 HFPO-DA	113		70 - 130			07/21/23 05:13	1	PP	
d5-NEtFOSAA	112		70 - 130			07/21/23 05:13	1	PP	

Eurofins Eaton Analytical South Bend

Accreditation/Certification and Definitions Summary

Client: Garden State Labs
 Project/Site: 230710005-03,04

Job ID: 810-68895-1

Laboratory: Eurofins Eaton Analytical South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	IN698	08-30-24

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLc	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Eaton Analytical South Bend

Method Summary

Client: Garden State Labs
Project/Site: 230710005-03,04

Job ID: 810-68895-1

Method	Method Description	Protocol	Laboratory
537.1	Perfluorinated Alkyl Acids (LC/MS)	EPA	EA SB
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

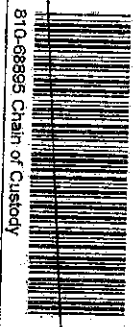
Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

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IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

Garden State Laboratories, Inc.



North Jersey Office: 225 Sparta Avenue, Sparta, NJ 07871 Tel: 973-729-1827
 West Jersey Office: 2050 Route 31 North, Glen Gardner, NJ 08826 Tel: 908-537-7414

Avenue, Hillside NJ 07205 - NJDEP Lab Cert. #20044
 Street, Waretown NJ 08758 - NJDEP Lab Cert. #15037
 Fax 908-688-8966 www.gslabs.com info@gslabs.com

Name: Garden State Laboratories, Inc
 Mailing Address: 410 Hillside Avenue
 City/State/Zip: Hillside, NJ 07205
 Contact/Authorized by: Elinor Bartler
 Phone: 908-688-8900 ext. 303
 Email: ebartler@gslabs.com

Client Information (Report to be sent to):
 SAMPLE TYPE: Potable
 SAMPLE INFORMATION

Grab Comp.	SAMPLE ID	SAMPLE COLLECTION			ANALYSIS REQUIRED (Print Legibly)
		Date	Time	AM PM	
X	230710005-03	7/10/23	10:43	X	Perfluorinated Chemicals
X	230710005-04-FB	7/10/23	10:43	X	Perfluorinated Chemicals

TURNAROUND TIME: Standard Rush
 REPORT FORMAT: Standard Report Standard Report + E2
 PWS ID#: NJ1010300 TP001001
 PAYMENT INFORMATION
 Payment Method: Sampling/Pick-up Fee: \$ Credit Card Type: Composite Fee: \$ Check # Rush Fee: \$ Other: See Quote
 Note: SUBCONTRACTED WORK

Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thin V = Vial Other/Specify:
 Preservation Codes: A = Non-Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid
 Z = Hydrochloric Acid F = Zinc Acetate G = Sodium Inosulfate H = Ascorbic Acid I = Closer Other/Specify:
 (If Rush requested) Rush Due by: _____
 Amount Due: \$ _____

Sampled by (PRINT): _____ Signature: _____
 Client/Client's Representative (PRINT): _____ Signature: _____
 1. Received/Relinquished by (PRINT) Daphne Frazier Signature: _____ Date/Time: July 10, 2023
 2. Received/Relinquished by (PRINT): _____ Signature: _____ Date/Time: 07/11/23

FOR SAMPLE RECEIVING USE ONLY
 DATE/TIME/REMP. REC'D AT LAB: _____
 Page _____ of _____
 GSL CLIENT # _____
 MICRO # _____
 CHEM. # _____
 SAMPLE RECD BY: _____
 PICK-UP AT DROP OFF LOCATION
 DELIVERED BY CLIENT
 CONTAINER INFORMATION
 No. Type* Size Pres.*
 2 PL 250ML Trizma
 1 PL 250ML Trizma
 SEND TO: Eurofins Eaton
 DATE/TIME: _____
 METHOD OF SHIPMENT: Fedex

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
 PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

The liability of Garden State Laboratories, Inc. for services rendered shall in no event exceed the amount of the invoice.
 Main lab certified by NJ Dept. of Health, NJDEP, NJ Dept. of Health #11550 and PADEP #40-03529

