



## NORTH BRUNSWICK TOWNSHIP PUBLIC SCHOOLS

Maple Meade School Building, Old Georges Road  
Post Office Box 6016  
North Brunswick, N.J. 08902

### OFFICE OF BUILDINGS AND GROUNDS

(732) 289-3027 • FAX: (732) 289-3002

March 29, 2019

John Adams Elementary School  
1450 Redmond St.  
North Brunswick, NJ 08902

Dear John Adams Elementary School Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the NJ Department of Education (NJDOE) regulations, North Brunswick Township School District retained an independent environmental consulting firm (Garden State Environmental, Inc.) to test our schools' drinking water for lead in accordance with the NJDOE regulations and the NJ Department of Environmental Protection (NJDEP) and US Environmental Protection Agency (EPA) guidelines.

In accordance with the NJDOE regulations, Livingston Park Elementary will implement immediate remedial measures for any drinking water outlet with a result greater than the Lead Action Level of 15.5  $\mu\text{g/l}$  (Parts Per Billion [PPB]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

#### Results of our Testing

Following instructions given in technical guidance developed by the NJDEP, we completed a plumbing profile for each of the buildings within North Brunswick Township School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 52 samples taken, all but 1 tested below the Lead Action Level established by the USDOE for lead in drinking water (15.5 PPB).

The table below identifies the drinking water outlets that tested above 15.5 PPB for lead, the actual lead level, and what temporary remedial action North Brunswick Township School District has taken to reduce the levels of lead at these locations.

<b>Sample Location</b>	<b>First Draw Result in <math>\mu\text{g/l}</math> (ppb)</b>	<b>Remedial Action</b>
Women's Bathroom, 1G. ID S#9A	28.1	Outlet Immediately Taken Out of Service

Kitchen Sink, Left of S#107. ID S#98	65.2	Outlet Immediately Taken Out of Service
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### Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

### How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

### Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

### For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at **[www.nbtschools.org](http://www.nbtschools.org)**. For more information about water quality in our schools, contact Paul Carroll at the Office of Buildings and Grounds, 732-289-3027.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,

Paul Carroll  
Supervisor of Buildings and Grounds

## PRIMIANI, FRANK

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**From:** Conor Tarleton <ctarleton@gseconsultants.com>  
**Sent:** Monday, February 27, 2017 12:30 PM  
**To:** PRIMIANI, FRANK  
**Cc:** Jane Boogaert; Bruce Wolf; Richard Lester  
**Subject:** Lead Water Testing - John Adams School - Flush 'B' Samples - North Brunswick  
**Attachments:** image001.jpg; North Brunswick 6526 Lead results (Appendix D) 12-30-16(2).pdf.xlsx; North Brunswick 6526 Lead COC 12-30-16(2).pdf; North Brunswick 6526 Lead results 12-30-16(2).pdf

Good Afternoon Frank,

We have received the flush ('B' Sample) results from our lab for John Adams Elementary. No 'B' sample results came back >15PPB. The bubbler attached to the sink in Music Room 41 came back at 10.8 PPB as compared to the 10.3 PPB 'A' Sample. These levels are below the NJDEP/USEPA criteria of 15 PPB but do reflect lead in the upper normal range. This fountain has been noted by our sampler as having "extremely low flow". It is possible that this lack of water pressure coupled with probable low usage may be contributing to this level of lead detection. Fixing/increasing the water pressure on this particular outlet and then flushing the fountain will likely reduce the lead concentration.

These results indicate that any high results >15PPB are probably due to the fixture itself. These results are not suggestive of any significant lead sources upstream from the outlets.

These 'B' samples were sent to the lab prior to you informing us that only 'A' samples >15PPB will be tested. Please give me a call to further discuss these results and let me know what you plan to do with S#9 and S#98.

Thank you,

Conor Tarleton  
Garden State Environmental, Inc.  
555 So. Broad St. Suite K  
Glen Rock, New Jersey 07452  
201-652-1119 - Office  
201-652-0612 - Fax

*"Celebrating 30 Years of Service"*  
**GSE** GARDEN STATE  
ENVIRONMENTAL

**Appendix D**  
**Excel Template for Lead Results**

Client : Garden State Environmental  
Project ID : North Brunswick BOE #6526

Field ID	Flushed (Y/N)	Lab. Sample ID	Lab. Name	Lab. ID	Date Sampled	Time Sampled	Analytical Method	Date of Analysis	Time of Analysis	Conc. (ug/L)	Rpt. Limit (ug/L)	DF	Digested (Y/N)	Qfr.
BH2A, BH2A	N	P17-0030-01	PAS	NJDEP 15001	12/30/2016	8:03	SM 3113 B	1/11/2017	11:09	1.95	2.00	1	N	J
SH1A, SH1A	N	P17-0030-02	PAS	NJDEP 15001	12/30/2016	8:05	SM 3113 B	1/11/2017	11:17	5.24	2.00	1	N	
WC#3A, WC#3A	N	P17-0030-03	PAS	NJDEP 15001	12/30/2016	8:07	SM 3113 B	1/11/2017	11:29	1.44	2.00	1	N	J
BH4A, BH4A	N	P17-0030-04	PAS	NJDEP 15001	12/30/2016	8:09	SM 3113 B	1/11/2017	11:42	0.684	2.00	1	N	J
SH9A, SH9A	N	P17-0030-05	PAS	NJDEP 15001	12/30/2016	8:11	SM 3113 B	1/11/2017	12:35	28.1	8.00	4	N	
BH14A, BH14A	N	P17-0030-06	PAS	NJDEP 15001	12/30/2016	8:13	SM 3113 B	1/11/2017	11:50	-0.58	2.00	1	N	ND
BH16A, BH16A	N	P17-0030-07	PAS	NJDEP 15001	12/30/2016	8:16	SM 3113 B	1/11/2017	11:55	-0.84	2.00	1	N	ND
SH15A, SH15A	N	P17-0030-08	PAS	NJDEP 15001	12/30/2016	8:17	SM 3113 B	1/11/2017	11:59	-0.84	2.00	1	N	ND
BH18A, BH18A	N	P17-0030-09	PAS	NJDEP 15001	12/30/2016	8:20	SM 3113 B	1/11/2017	12:03	-0.58	2.00	1	N	ND
BH20A, BH20A	N	P17-0030-10	PAS	NJDEP 15001	12/30/2016	8:23	SM 3113 B	1/11/2017	12:07	-1.09	2.00	1	N	ND
BH23A, BH23A	N	P17-0030-11	PAS	NJDEP 15001	12/30/2016	8:25	SM 3113 B	1/11/2017	12:12	-1.09	2.00	1	N	ND
BH25A, BH25A	N	P17-0030-12	PAS	NJDEP 15001	12/30/2016	8:28	SM 3113 B	1/11/2017	12:16	10.3	2.00	1	N	
BH27A, BH27A	N	P17-0030-13	PAS	NJDEP 15001	12/30/2016	8:35	SM 3113 B	1/11/2017	12:39	2.46	2.00	1	N	
BH108A, BH108A	N	P17-0030-14	PAS	NJDEP 15001	12/30/2016	8:37	SM 3113 B	1/11/2017	12:43	4.23	2.00	1	N	
WC#32A, WC#32A	N	P17-0030-15	PAS	NJDEP 15001	12/30/2016	8:40	SM 3113 B	1/11/2017	12:48	-0.33	2.00	1	N	ND
WC#31A, WC#31A	N	P17-0030-16	PAS	NJDEP 15001	12/30/2016	8:41	SM 3113 B	1/11/2017	12:52	-0.58	2.00	1	N	ND
BH40A, BH40A	N	P17-0030-17	PAS	NJDEP 15001	12/30/2016	8:43	SM 3113 B	1/11/2017	12:56	1.19	2.00	1	N	J
SH42A, SH42A	N	P17-0030-18	PAS	NJDEP 15001	12/30/2016	8:46	SM 3113 B	1/11/2017	13:01	-0.08	2.00	1	N	ND
BH43A, BH43A	N	P17-0030-19	PAS	NJDEP 15001	12/30/2016	8:48	SM 3113 B	1/11/2017	13:05	2.20	2.00	1	N	
BH44A, BH44A	N	P17-0030-20	PAS	NJDEP 15001	12/30/2016	8:50	SM 3113 B	1/11/2017	13:09	1.44	2.00	1	N	J
BH45A, BH45A	N	P17-0030-21	PAS	NJDEP 15001	12/30/2016	8:52	SM 3113 B	1/11/2017	13:22	3.97	2.00	1	N	
SH49A, SH49A	N	P17-0030-22	PAS	NJDEP 15001	12/30/2016	8:54	SM 3113 B	1/11/2017	13:31	-0.08	2.00	1	N	ND
SH52A, SH52A	N	P17-0030-23	PAS	NJDEP 15001	12/30/2016	8:55	SM 3113 B	1/11/2017	13:43	-0.08	2.00	1	N	ND
BH105A, BH105A	N	P17-0030-24	PAS	NJDEP 15001	12/30/2016	8:59	SM 3113 B	1/11/2017	13:48	-0.58	2.00	1	N	ND
BH154A, BH154A	N	P17-0030-25	PAS	NJDEP 15001	12/30/2016	9:01	SM 3113 B	1/11/2017	13:52	-0.58	2.00	1	N	ND
BH104A, BH104A	N	P17-0030-26	PAS	NJDEP 15001	12/30/2016	9:04	SM 3113 B	1/11/2017	13:56	-0.84	2.00	1	N	ND
SH61A, SH61A	N	P17-0030-27	PAS	NJDEP 15001	12/30/2016	9:07	SM 3113 B	1/11/2017	14:09	0.177	2.00	1	N	J
BH58A, BH58A	N	P17-0030-28	PAS	NJDEP 15001	12/30/2016	9:10	SM 3113 B	1/11/2017	14:13	-1.09	2.00	1	N	ND
BH59A, BH59A	N	P17-0030-29	PAS	NJDEP 15001	12/30/2016	9:11	SM 3113 B	1/11/2017	14:17	-1.09	2.00	1	N	ND
BH87A, BH87A	N	P17-0030-30	PAS	NJDEP 15001	12/30/2016	9:16	SM 3113 B	1/11/2017	14:21	0.937	2.00	1	N	J
BH73A, BH73A	N	P17-0030-31	PAS	NJDEP 15001	12/30/2016	9:18	SM 3113 B	1/11/2017	14:25	0.177	2.00	1	N	J
BH88A, BH88A	N	P17-0030-32	PAS	NJDEP 15001	12/30/2016	9:20	SM 3113 B	1/11/2017	14:30	1.70	2.00	1	N	J
BH75A, BH75A	N	P17-0030-33	PAS	NJDEP 15001	12/30/2016	9:22	SM 3113 B	1/11/2017	14:34	4.23	2.00	1	N	
BH106A, BH106A	N	P17-0030-34	PAS	NJDEP 15001	12/30/2016	9:25	SM 3113 B	1/11/2017	14:38	0.684	2.00	1	N	J
BH76A, BH76A	N	P17-0030-35	PAS	NJDEP 15001	12/30/2016	9:27	SM 3113 B	1/11/2017	14:43	-0.08	2.00	1	N	ND
BH86A, BH86A	N	P17-0030-36	PAS	NJDEP 15001	12/30/2016	9:30	SM 3113 B	1/11/2017	15:08	0.430	2.00	1	N	J
BH77A, BH77A	N	P17-0030-37	PAS	NJDEP 15001	12/30/2016	9:33	SM 3113 B	1/11/2017	15:13	0.430	2.00	1	N	J
BH85A, BH85A	N	P17-0030-38	PAS	NJDEP 15001	12/30/2016	9:35	SM 3113 B	1/11/2017	15:17	0.937	2.00	1	N	J
BH80A, BH80A	N	P17-0030-39	PAS	NJDEP 15001	12/30/2016	9:37	SM 3113 B	1/11/2017	15:21	1.95	2.00	1	N	J
BH79A, BH79A	N	P17-0030-40	PAS	NJDEP 15001	12/30/2016	9:40	SM 3113 B	1/11/2017	15:25	1.95	2.00	1	N	J
BH78A, BH78A	N	P17-0030-41	PAS	NJDEP 15001	12/30/2016	9:43	SM 3113 B	1/11/2017	10:38	7.61	2.00	1	N	
IC#93, IC#93	N	P17-0030-42	PAS	NJDEP 15001	12/30/2016	9:47	SM 3113 B	1/11/2017	10:46	0.638	2.00	1	N	J
SH92A, SH92A	N	P17-0030-43	PAS	NJDEP 15001	12/30/2016	9:48	SM 3113 B	1/11/2017	10:59	0.856	2.00	1	N	J
SH103A, SH103A	N	P17-0030-44	PAS	NJDEP 15001	12/30/2016	9:51	SM 3113 B	1/11/2017	11:12	2.82	2.00	1	N	
SH96A, SH96A	N	P17-0030-45	PAS	NJDEP 15001	12/30/2016	9:54	SM 3113 B	1/11/2017	11:16	2.82	2.00	1	N	
SH97A, SH97A	N	P17-0030-46	PAS	NJDEP 15001	12/30/2016	9:55	SM 3113 B	1/11/2017	11:20	2.60	2.00	1	N	
SH98A, SH98A	N	P17-0030-47	PAS	NJDEP 15001	12/30/2016	9:57	SM 3113 B	1/11/2017	13:47	65.2	20.0	10	N	
SH107A, SH107A	N	P17-0030-48	PAS	NJDEP 15001	12/30/2016	9:58	SM 3113 B	1/11/2017	11:28	7.83	2.00	1	N	
SH100A, SH100A	N	P17-0030-49	PAS	NJDEP 15001	12/30/2016	9:59	SM 3113 B	1/11/2017	11:33	11.3	2.00	1	N	
SH99A, SH99A	N	P17-0030-50	PAS	NJDEP 15001	12/30/2016	10:02	SM 3113 B	1/11/2017	11:37	4.56	2.00	1	N	
SH36A, SH36A	N	P17-0030-51	PAS	NJDEP 15001	12/30/2016	10:09	SM 3113 B	1/11/2017	11:41	4.13	2.00	1	N	
BH108A, BH108A	N	P17-0030-52	PAS	NJDEP 15001	12/30/2016	10:11	SM 3113 B	1/11/2017	11:46	7.83	2.00	1	N	
BH56A, BH56A	N	P17-0030-53	PAS	NJDEP 15001	12/30/2016	10:18	SM 3113 B	1/11/2017	11:59	0.856	2.00	1	N	J
BH55A, BH55A	N	P17-0030-54	PAS	NJDEP 15001	12/30/2016	10:20	SM 3113 B	1/11/2017	12:03	0.856	2.00	1	N	J
BH57A, BH57A	N	P17-0030-55	PAS	NJDEP 15001	12/30/2016	10:22	SM 3113 B	1/11/2017	12:07	0.638	2.00	1	N	J
SH60A, SH60A	N	P17-0030-56	PAS	NJDEP 15001	12/30/2016	10:25	SM 3113 B	1/11/2017	12:12	0.420	2.00	1	N	J
NBJA-12-30-FBA, NBJA-12-30-FBA	N	P17-0030-57	PAS	NJDEP 15001	12/30/2016	11:04	SM 3113 B	1/11/2017	12:16	-0.02	2.00	1	N	ND

Date

[School Department Name]  
 John Adams Elementary  
 1450 Redmond St, North Brunswick

Dear John Adams Elementary Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the NJ Department of Education (NJDOE) regulations, North Brunswick School District retained an independent environmental consulting firm (Garden State Environmental, Inc.) to test our schools' drinking water for lead in accordance with the NJDOE regulations and the NJ Department of Environmental Protection (NJDEP) and US Environmental Protection Agency (EPA) guidelines.

In accordance with the NJDOE regulations, Livingston Park Elementary will implement immediate remedial measures for any drinking water outlet with a result greater than the Lead Action Level of 15.5  $\mu\text{g/l}$  (Parts Per Billion [PPB]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

#### Results of our Testing

Following instructions given in technical guidance developed by the NJDEP, we completed a plumbing profile for each of the buildings within North Brunswick School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 52 samples taken, all but 1 tested below the Lead Action Level established by the USDOE for lead in drinking water (15.5 PPB).

The table below identifies the drinking water outlets that tested above 15.5 PPB for lead, the actual lead level, and what temporary remedial action North Brunswick School District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in $\mu\text{g/l}$ (ppb)	Remedial Action
Women's Bathroom, 1G. ID S#9A	28.1	Outlet Immediately Taken Out of Service
Kitchen Sink, Left of S#107. ID S#98	65.2	Outlet Immediately Taken Out of Service

#### Health Effects of Lead



## CERTIFICATE OF ANALYSIS

**Customer :** Garden State Environmental  
555 South Broad Street, Suite K  
Glen Rock, NJ

**Project ID :** North Brunswick BOE #6526

**Matrix :** Drinking Water

**PAS Project ID :** P17-0450

**Report Date :** 02/22/17

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P17-0450-01	SH 9B	Lead	2.24	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:12	2/6/17 15:53
P17-0450-02	SH 98B	Lead	0.594 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:59	2/6/17 16:05
P17-0450-03	SH 100B	Lead	0.594 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:00	2/6/17 16:10
P17-0450-04	B# 25B	Lead	10.8	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:29	2/6/17 16:10
P17-0450-05	NBJA-12-30-FBB	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 11:05	2/6/17 16:14

Except for the parameters tested, PAS makes no representation as to the fitness or quality of the water sample taken.

PQL = Practical Quantitation Limit  
MDL = Minimum Detection Limit  
MCL = Maximum Contaminant Level  
DF = Dilution Factor  
ND = Analyzed for but not detected  
B = Compound found in blank and samples  
E = Concentration exceeds calibration range  
J = Estimated result  
\* Federal Action Level

All samples are analyzed in accordance with  
New Jersey Department of Environmental  
Protection Protocol

Mark D. Feitelson, Lab. Director

**Appendix D**  
**Excel Template for Lead Results**

Client : Garden State Environmental  
 Project ID : North Brunswick BOE #6526

Field ID	Flushed (Y/N)	Lab. Sample ID	Lab. Name	Lab. ID	Date Sampled	Time Sampled	Analytical Method	Date of Analysis	Time of Analysis	Conc. (ug/L)	Rpt. Limit (ug/L)	DF	Digested (Y/N)	Qfr.
S# 9B	Y	P17-0450-01	PAS	NJDEP 15001	12/30/2016	8:12	SM 3113 B	2/6/2017	15:53	2.24	2.00	1	N	
S# 98B	Y	P17-0450-02	PAS	NJDEP 15001	12/30/2016	9:59	SM 3113 B	2/6/2017	16:05	0.594	2.00	1	N	J
S# 100B	Y	P17-0450-03	PAS	NJDEP 15001	12/30/2016	10:00	SM 3113 B	2/6/2017	16:10	0.594	2.00	1	N	J
B# 25B	Y	P17-0450-04	PAS	NJDEP 15001	12/30/2016	8:29	SM 3113 B	2/6/2017	16:10	10.8	2.00	1	N	
NBJA-12-30-FBB	Y	P17-0450-05	PAS	NJDEP 15001	12/30/2016	11:05	SM 3113 B	2/6/2017	16:14	0.228	2.00	1	N	ND



### CERTIFICATE OF ANALYSIS

**Customer :** Garden State Environmental  
555 South Broad Street, Suite K  
Glen Rock, NJ

**Project ID :** North Brunswick BOE #6526

**PAS Project ID :** P17-0030

**Matrix :** Drinking Water

**Report Date :** 01/23/17

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P17-0030-01	B#2A	Lead	1.95	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:03	1/11/17 11:09
P17-0030-02	S#1A	Lead	5.24	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:05	1/11/17 11:17
P17-0030-03	WC#3A	Lead	1.44	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:07	1/11/17 11:29
P17-0030-04	B#4A	Lead	0.684	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:09	1/11/17 11:42
P17-0030-05	S#9A	Lead	28.1	ug/L	4	8.00	1.85	15.0 *	SM 3113 B	12/30/16 08:11	1/11/17 12:35
P17-0030-06	B#14A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:13	1/11/17 11:50
P17-0030-07	B#16A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:16	1/11/17 11:55
P17-0030-08	S#15A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:17	1/11/17 11:59
P17-0030-09	B#18A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:20	1/11/17 12:03
P17-0030-10	B#20A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:23	1/11/17 12:07
P17-0030-11	B#23A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:25	1/11/17 12:12
P17-0030-12	B#25A	Lead	10.3	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:28	1/11/17 12:16
P17-0030-13	B#27A	Lead	2.46	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:35	1/11/17 12:39
P17-0030-14	B#108A	Lead	4.23	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:37	1/11/17 12:43
P17-0030-15	WC#32A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:40	1/11/17 12:48
P17-0030-16	WC#31A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:41	1/11/17 12:52
P17-0030-17	B#40A	Lead	1.19	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:43	1/11/17 12:56
P17-0030-18	S#42A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:46	1/11/17 13:01
P17-0030-19	B#43A	Lead	2.20	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:48	1/11/17 13:05
P17-0030-20	B#44A	Lead	1.44	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:50	1/11/17 13:09
P17-0030-21	B#45A	Lead	3.97	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:52	1/11/17 13:22
P17-0030-22	S#49A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:54	1/11/17 13:31
P17-0030-23	S#52A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:55	1/11/17 13:43
P17-0030-24	B#105A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 08:59	1/11/17 13:48
P17-0030-25	B#154A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:01	1/11/17 13:52
P17-0030-26	B#104A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:04	1/11/17 13:56
P17-0030-27	S#61A	Lead	0.177	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:07	1/11/17 14:09
P17-0030-28	B#58A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:10	1/11/17 14:13
P17-0030-29	B#59A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:11	1/11/17 14:17
P17-0030-30	B#87A	Lead	0.937	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:16	1/11/17 14:21
P17-0030-31	B#73A	Lead	0.177	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:18	1/11/17 14:25
P17-0030-32	B#88A	Lead	1.70	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:20	1/11/17 14:30
P17-0030-33	B#75A	Lead	4.23	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:22	1/11/17 14:34
P17-0030-34	B#106A	Lead	0.684	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:25	1/11/17 14:38
P17-0030-35	B#76A	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:27	1/11/17 14:43
P17-0030-36	B#86A	Lead	0.430	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:30	1/11/17 15:08
P17-0030-37	B#77A	Lead	0.430	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:33	1/11/17 15:13
P17-0030-38	B#85A	Lead	0.937	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:35	1/11/17 15:17
P17-0030-39	B#80A	Lead	1.95	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:37	1/11/17 15:21
P17-0030-40	B#79A	Lead	1.95	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:40	1/11/17 15:25
P17-0030-41	B#78A	Lead	7.61	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:43	1/11/17 10:38
P17-0030-42	IC#93	Lead	0.638	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:47	1/11/17 10:46
P17-0030-43	S#92A	Lead	0.856	J ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:48	1/11/17 10:59
P17-0030-44	S#103A	Lead	2.82	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:51	1/11/17 11:12
P17-0030-45	S#96A	Lead	2.82	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:54	1/11/17 11:16
P17-0030-46	S#97A	Lead	2.60	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:55	1/11/17 11:20
P17-0030-47	S#98A	Lead	65.2	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	12/30/16 09:57	1/11/17 13:47

Except for the parameters tested, PAS makes no representation as to the fitness or quality of the water sample taken.

- PQL = Practical Quantitation Limit
- MDL = Minimum Detection Limit
- MCL = Maximum Contaminant Level
- DF = Dilution Factor
- ND = Analyzed for but not detected
- B = Compound found in blank and samples
- E = Concentration exceeds calibration range
- J = Estimated result
- \* Federal Action Level

All samples are analyzed in accordance with New Jersey Department of Environmental Protection Protocol

Mark D. Feltelson, Lab. Director



### CERTIFICATE OF ANALYSIS

**Customer :** Garden State Environmental  
555 South Broad Street, Suite K  
Glen Rock, NJ

**Project ID :** North Brunswick BOE #6526

**PAS Project ID :** P17-0030

**Matrix :** Drinking Water  
**Report Date :** 01/23/17

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P17-0030-48	SH107A	Lead	7.83	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:58	1/11/17 11:28
P17-0030-49	SH100A	Lead	11.3	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 09:59	1/11/17 11:33
P17-0030-50	SH99A	Lead	4.56	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:02	1/11/17 11:37
P17-0030-51	SH36A	Lead	4.13	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:09	1/11/17 11:41
P17-0030-52	BH108A	Lead	7.83	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:11	1/11/17 11:46
P17-0030-53	BH56A	Lead	0.856 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:18	1/11/17 11:59
P17-0030-54	BH55A	Lead	0.856 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:20	1/11/17 12:03
P17-0030-55	BH57A	Lead	0.638 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:22	1/11/17 12:07
P17-0030-56	SH60A	Lead	0.420 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 10:25	1/11/17 12:12
P17-0030-57	NBJA-12-30-FBA	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	12/30/16 11:04	1/11/17 12:16

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Protection Protocol

Mark D. Feltelson, Lab. Director