

March 21, 2017

Mrs. Debra Avento  
Business Administrator  
Shrewsbury Borough School District  
20 Obre Place  
Shrewsbury, N.J. 07702

**RE: DRINKING WATER SAMPLE COLLECTION AND TESTING  
Proposal # 16-03211**

Dear Mrs. Avento:

Strategic Environmental Consulting, Inc. (SEC Inc.) is pleased to notify you that the drinking water sample collection and testing program at your Public School has been completed as per the guidelines under the **Quality Assurance Project Plan (QAPP) Template** dated July 13, 2016 and all documentation and results required have been provided via e-mail in an electronic file.

All tested locations show a result below the state mandated action level of 15 ug/L or 15 parts per billion (ppb).

Please be advised that this information should be kept on file and updated anytime there are any changes, repairs or upgrades to the plumbing in any part of any of the district facilities.

The state requires a full sampling and testing program to be completed every six (6) from this year moving forward and we will request this information to assist in developing your future drinking water compliance programs.

If you have any questions regarding the information presented please do not hesitate to contact me at your earliest convenience at (732) 269-4204.

Sincerely,

**STRATEGIC ENVIRONMENTAL CONSULTING, INC.**



James Bonanno  
Operations Manager  
jbonses@aol.com



### CERTIFICATE OF ANALYSIS

Customer : Strategic Environmental  
25 Butternut Lane  
Bayville, NJ 08721

Project ID : Shrewsbury Boro, 20 Obre Place  
PAS Project ID : P17-0865

Matrix : Drinking Water  
Report Date : 3/8/2017

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P17-0865-01	FIELD BLANK 1952	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:39	2/27/17 10:57
P17-0865-02	SB #1 DW	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:40	2/27/17 11:01
P17-0865-03	SB #2 FP SINK	Lead	8.72	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:43	2/27/17 11:10
P17-0865-04	SB #3 DW	Lead	4.29	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:45	2/27/17 11:31
P17-0865-05	SB #4 DW	Lead	1.63	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:47	2/27/17 11:35
P17-0865-06	SB #5 DW	Lead	1.04	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:48	2/27/17 11:39
P17-0865-07	SB #6 IM ICE	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:50	2/27/17 11:43
P17-0865-08	SB #7 FP SINK	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:51	2/27/17 11:47
P17-0865-09	SB #8 DW	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:53	2/27/17 11:52
P17-0865-10	SB #9 DW	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:56	2/27/17 11:56
P17-0865-11	SB #10 DW	Lead	1.34	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 05:58	2/27/17 12:00
P17-0865-12	SB #11 FP SINK	Lead	3.11	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:01	2/27/17 12:04
P17-0865-13	SB #12 FP SINK NURSE	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:08	2/27/17 12:17
P17-0865-14	SB #13 DW FILTER	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:09	2/27/17 12:22
P17-0865-15	SB #15 DW	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:14	2/27/17 12:26
P17-0865-16	SB #16 FP SINK	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:15	2/27/17 12:30
P17-0865-17	SB #17 DW	Lead	1.34	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:17	2/27/17 12:35
P17-0865-18	SB #18 DW	Lead	2.52	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:18	2/27/17 12:39
P17-0865-19	SB #19 DW CERAMIC	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:21	2/27/17 12:44
P17-0865-20	SB #20 DW SS	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:22	2/27/17 12:48
P17-0865-21	SB #22 DW OUTDOOR	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:26	2/27/17 12:52
P17-0865-22	FIELD BLANK ADDITION 2004	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:31	2/27/17 15:57
P17-0865-23	SB #23 DW	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:32	2/27/17 16:02
P17-0865-24	SB #24 FP SINK KITCHEN	Lead	7.83	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:36	2/27/17 16:10
P17-0865-25	SB #25 FP SINK KITCHEN	Lead	1.04	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:37	2/27/17 16:23
P17-0865-26	SB #26 DW 203	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:40	2/27/17 16:27
P17-0865-27	SB #27 DW 202	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:43	2/27/17 16:31
P17-0865-28	SB #28 DW 201	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:45	2/27/17 16:44
P17-0865-29	SB #29 DW 307	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:47	2/27/17 16:48
P17-0865-30	SB #30 DW K WING	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:49	2/27/17 16:52
P17-0865-31	SB #31 DW OUTSIDE	Lead	5.76	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	2/22/17 06:52	2/27/17 16:57

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



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PRECISION ANALYTICAL SERVICES, INC.

2181 WHITEVILLE ROAD TOMBS RIVER, NJ 08786 PHONE 732-614-1816 FAX 732-614-1818

**CHAIN  
OF  
CUSTODY**

Customer: Strategic Environmental Services, Inc.  
 Address: 25 Buxton Lane  
 Bayville, NJ 08721  
 Phone: (732) 269-7322 **732 269 4204**

School Name: **Shrewsbury Bord**  
 School Address: **20 Olive Road**  
 Sampled By: **[Signature]**  
 Print Name: **S. Berman**  
 RESULTS TO: **SEC Inc.**

Sample ID	Location	Time	Matrix Code	Grab or Composite	Pres. Temp.	Filter Present	# Containers	Container Type	Sample Size	LAB ID
	Field Blank	1932					1	250 ml Plastic	Lead	P17-0865-01
1	SB#1 DW	5:39am	DW	Grab			1	250 ml Plastic	Lead	P17-0865-02
2	SB#2 FP sink	5:43am	DW	Grab			1	250 ml Plastic	Lead	-03
3	SB#3 DW	5:45am	DW	Grab			1	250 ml Plastic	Lead	-04
4	SB#4 DW	5:47am	DW	Grab			1	250 ml Plastic	Lead	-05
5	SB#5 DW	5:48am	DW	Grab			1	250 ml Plastic	Lead	-06
6	SB#6 IM Ice	5:50am	DW	Grab			1	250 ml Plastic	Lead	-07
7	SB#7 FP sink	5:51am	DW	Grab			1	250 ml Plastic	Lead	-08
8	SB#8 DW	5:53am	DW	Grab			1	250 ml Plastic	Lead	-09
9	SB#9 DW	5:56am	DW	Grab			1	250 ml Plastic	Lead	-10
10	SB#10 DW	5:58am	DW	Grab			1	250 ml Plastic	Lead	-11
11	SB#11 FP sink	6:01am	DW	Grab			1	250 ml Plastic	Lead	-12
12	SB#12 FP sink nurse	6:08am	DW	Grab			1	250 ml Plastic	Lead	✓ -13
13	SB#13 DW Filter	6:09am	DW	Grab			1	250 ml Plastic	Lead	P17-0865-14
14	SB#14 Spigot	Exempt	DW	Grab			1	250 ml Plastic	Lead	Exempt

\* All First Draw

Page 1 of 3

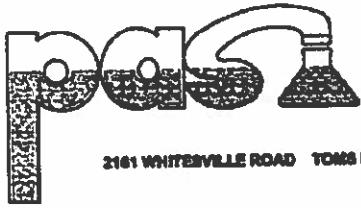
Deliverables: POF Std.  POF Reduc.  POF Full  EDD  Date/Time Preserved with 10/20

MATRIX CODES: GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

PRESER 0 = Ice 1 = NG  
 VOLUME 1 = 1250ml 2 = 500ml  
 CODES 4 = 1000 5 = Other

Print Name:	Signature:	Date + Time
S. Berman SEC Inc.	[Signature]	2/22/17
Kelly Melchione	[Signature]	8:35am

Samples rec'd unpreserved. Preserved in lab 2/22/17 @ 10:20



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**PRECISION ANALYTICAL SERVICES, INC.**

2161 WHITEVILLE ROAD TOMS RIVER, NJ 08785 PHONE 732-814-1815 FAX 732-814-1816

**CHAIN OF CUSTODY**

Customer: Strategic Environmental Services, Inc.  
 Address: 25 Butternut Lane  
 Bayville, NJ 08721  
 Phone: (732) 261-4204

School Name: Shrewsbury Boro  
 School Address: 2005 E. Flack  
 Sampled By: [Signature]  
 Print Name: SP [Signature]  
 RESULTS TO: SEC Inc.

Sample ID	Location	Time	Sample Code	Grab or Comp	Pres. Method	# Copies	Volume	Analysis	Lab ID
15	SB#15 DW	6:14 am	DW	Grab		1	250 ml Plastic	Lead	P17-0865-15
16	SB#16 FP SINK	6:15 am	DW	Grab		1	250 ml Plastic	Lead	-16
17	SB#17 DW	6:17 am	DW	Grab		1	250 ml Plastic	Lead	-17
18	SB#18 DW	6:18 am	DW	Grab		1	250 ml Plastic	Lead	-18
19	SB#19 DW ceramic	6:21 am	DW	Grab		1	250 ml Plastic	Lead	-19
20	SB#20 DW SS	6:22 am	DW	Grab		1	250 ml Plastic	Lead	-20
21	SB#21 Spigot Exempt		DW	Grab		1	250 ml Plastic	Lead	Exempt
22	SB#22 DW outdoor	6:26 am	DW	Grab		1	250 ml Plastic	Lead	-22
Field Blank Addition 2004		6:31 am	DW	Grab		1	250 ml Plastic	Lead	-22
23	SB#23 DW	6:32 am	DW	Grab		1	250 ml Plastic	Lead	-23
24	SB#24 FP SINK Kitchen	6:36 am	DW	Grab		1	250 ml Plastic	Lead	-24
25	SB#25 FP SINK Kitchen	6:37 am	DW	Grab		1	250 ml Plastic	Lead	-25
26	SB#26 DW 203	6:40 am	DW	Grab		1	250 ml Plastic	Lead	-26
27	SB#27 DW 202	6:43 am	DW	Grab		1	250 ml Plastic	Lead	-27
28	SB#28 DW 201	6:45 am	DW	Grab		1	250 ml Plastic	Lead	P17-0865-28

\*All First Draw

PDF Std.  PDF Reduc.  PDF Full  EDO  Date/Time Preserved

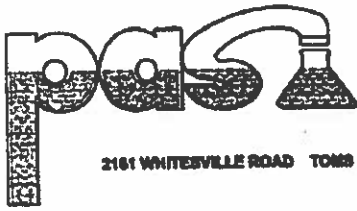
Page 2 of 3 Deliverables: X

**MATRIX CODES:** GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

PREPARED BY: [Signature] DATE: 2/22/17

Requestor	Print Name	Signature	Date & Time
Requestor:	SP [Signature]	[Signature]	2/22/17
Received:	Kelly Melchione	Kelly Melchione	8:35 am
Requestor:			
Received:			
Requestor:			
Received:			

Samples rec'd unpreserved. Preserved in lab 2/22/17 @ 10:20



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**PRECISION ANALYTICAL SERVICES, INC.**

2161 WHITEVILLE ROAD TOMS RIVER, NJ 08785 PHONE 732-614-1818 FAX 732-614-1818

**CHAIN OF CUSTODY**

Customer: Strategic Environmental Services, Inc.  
 Address: 25 Butternut Lane  
 Bayville, NJ 08721  
 Phone: (732) 265 732-269 4204

School Name: Stratford Park  
 School Address: 20 Park Ave  
 Sampled By: [Signature]  
 Print Name: J. Bonanno  
 RESULTS TO: SEC Inc.

Sample ID Location	Time Sampled	Matrix Code	Cont. Pt. Sample	Pres. Sample	Filter	# Containers	Ques. or Plastic	Preserved	LAB ID
29 SB#29 DW 307	6:47 am	DW	Grab			1	250 ml Plastic	Lead	P17-0865-29
30 SB#30 DW K wing	6:49 am	DW	Grab			1	250 ml Plastic	Lead	↓ -30
31 SB#31 DW outside	6:52 am	DW	Grab			1	250 ml Plastic	Lead	P17-0865-31
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	
		DW	Grab			1	250 ml Plastic	Lead	

All First Draw

Page 3 of 3 Deliverables:  PDF Std.  PDF Reduc.  PDF Full  EDD  Preserved with MCR

MATRIX CODES: GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

PREP: 0 = In 1 = NG  
 UATRE: 2 = H2024 3 = H2021  
 CODES: 4 = 10023 5 = 0204

Requested by	Print Name	Signature	Date + Time
Requested by	J. Bonanno	[Signature]	SEP 22 2017
Received:	Jelly Melchione	[Signature]	PAS 8:55 am
Requested by:			
Received:			
Requested by:			
Received:			

Samples rec'd unpreserved. Preserved in lab 2/22/17 @ 10:20



Appendix C  
Water Outlet Inventory  
(To be completed for each school)

Name of School: Strawberry Boro School  
 Address: 20 Obere Place, Strawberry, NJ 07702  
 Grade Levels: Pre-K, 1-8  
 Year School Constructed: 1932  
 Year(s) & Description of Renovations/Additions: 2004  
 Individual School Project Officer Name: Mike Tillet  
 Signature: Mike Tillet  
 Date Completed: 2/22/17

#	Type	Location	Code	Chiller (Y/N)	Aerator/Screen (Y/N)	Motion Activated (Y/N)	Operational (Y/N)	Any Leaks (Y/N)	Filter (Y/N)	Drinking Water Fountain Make & Model
1	SS	SB1	DW	Y	Y	N	Y	N	N	ELKAY
2	SS	SB2	FP SINK	N	Y	N	Y	N	N	UNKNOWN
3	CERM	SB3	DW	N	NY	N	Y	N	N	STAND
4	CERM	SB4	DW	N	Y	N	Y	N	N	STND
5	CERM	SB5	DW	N	N	N	Y	N	N	FRIGDAIR
6	SS	SB6	IM ICE	Y	N	N	Y	N	N	MOEN
7	SS	SB7	FP SINK	N	Y	N	Y	N	Y	ELKAY 1504128085
8	SS	SB8	DW	Y	Y	Y	Y	N	N	ELKAY 150412416
9	SS	SB9	DW	Y	Y	N	Y	N	N	STND VBCWS-1A
10	CERM	SB10	DW	N	Y	N	Y	N	N	UNKNOWN CENTRAL
11	SS	SB11	FP SINK	N	Y	N	Y	N	N	UNKNOWN
12	SS	SB12	FP SINK	N	N	N	Y	N	N	UNKNOWN
13	SS	SB13	DW	Y	Y	N	Y	N	Y	ELKAY VRCWS-1A
14	EXEMPT	SB14	Spigot	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT 150412421
15	SS	SB15	DW	N	Y	N	Y	N	N	UNKNOWN
16	SS	SB16	FP SINK	N	Y	N	Y	N	N	UNKNOWN
17	CERM	SB17	DW	N	Y	N	Y	N	N	UNKNOWN
18	CERM	SB18	DW	N	Y	N	Y	N	N	UNKNOWN
19	CERM	SB19	DW	N	Y	N	Y	N	N	UNKNOWN
20	SS	SB20	DW	N	Y	N	Y	N	N	UNKNOWN
21	EXEMPT	SB21	Spigot	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT
22	SS	SB22	DW	Y	Y	N	Y	N	Y	ELKAY VRCWS-1A
23	SS	SB23	DW	Y	Y	Y	Y	N	N	ELKAY 150316782

\*Use additional sheets as necessary

Sheet 1 of 2 } LZWSR-1  
15041824

Appendix C  
Water Outlet Inventory  
(To be completed for each school)

Name of School: Shrewsbury Board School  
 Address: 20 Obere Place, Shrewsbury NJ 07702  
 Grade Levels: PreK, 1-8  
 Year School Constructed: 1952  
 Year(s) & Description of Renovations/Additions: 2004  
 Individual School Project Officer Name: Mike Tillet  
 Signature: Mike Tillet  
 Date Completed: 2/22/17

#	Type	Location	Code	Chiller (Y/N)	Aerator/Screen (Y/N)	Motion Activated (Y/N)	Operational (Y/N)	Any Leaks (Y/N)	Filter (Y/N)	Drinking Water Fountain Make & Model
24	SS	5824	FP sink	N	N	N	Y	N	N	T&S BRASS
25	SS	5825	FP sink	N	N	N	Y	N	N	T&S BRASS
26	SS	5826	DW 203	N	N	N	Y	N	N	UNKNOWN ELKAY
27	SS	5827	DW 202	N	N	N	Y	N	N	ELKAY
28	SS	5828	DW 201	N	Y	N	Y	N	N	ELKAY
29	SS	5829	DW 307	N	Y	N	Y	N	N	ELKAY
30	SS	5830	DW K-WING	Y	Y	N	Y	N	N	ELKAY VRC WS-1A } 1504/2417
31	SS	5831	DW K-WING	Y	Y	N	Y	N	N	ELKAY VRC WS-1A } 1504/2414

\*Use additional sheets as necessary

Sheet 2 of 2

Quality Assurance Project Plan (QAPP)  
For  
Drinking Water Sampling  
of Lead Concentrations in School Drinking Water  
Outlets

Shrewsbury Boro School Dist.  
20 Obere Place  
Shrewsbury N.J. 07702

Approvals

School District Representatives:

Program Manager: \_\_\_\_\_  
Print Name Signature Date

Project Manager(s): Mike Tillette Mike Ellett 2/22/17  
Print Name Signature Date

Individual School Project Officer(s) (See page iii)

Third Party Sampling Firm: SEC Inc.  
(Note N/A if Third Party not involved) Name of Firm

J. Bonarino [Signature] 2/22/17  
Print Name Signature Date

Laboratory: Precision Analytical Services Inc.  
Name of Laboratory

Laboratory Manager: Mark Dfeitelson [Signature] 02/22/17  
Print Name Signature Date

Laboratory QA Officer: Kelky Hagan [Signature] 2/22/17  
Print Name Signature Date

For additional laboratories conducting sampling and or analysis use additional sheet for sign-off.



H.iv: Sampling Event Checklist  
Complete on the day of sampling

Before Beginning Sampling:

- Review and Sign QAPP.
- Review School packet prior to sampling- including floor plan with sample locations, outlet inventory including all outlets to be sampled, filter inventory including which water coolers & drinking water fountains have filters, and if applicable pre-sampling event flushing schedule [includes which outlets were flushed, the duration of flushing, and when they were flushed].
- Perform a walk-through of the facility prior to sampling. Identify all outlets to be sampled, and label each outlet with its unique sample location code as it is found in the water outlet inventory.
- Verify that the water has been stagnant for at least 8 hours, but no longer than 48 hours.

Sampling:

- Field Blank.
- Start sampling at the outlet closest to the point of entry.
- For each sampling location record the time that sampling begins.
- Wearing gloves, collect samples into a 250 ml pre-cleaned bottle.
- Record the time all samples are collected.
- AFTER all other samples have been collected, for follow-up flush sampling, collect fifteen minute flushed samples from water coolers.
- Indicate on the Chain of Custody (COC) if the outlet is leaking, the water is discolored, the outlet is turned on, the outlet is not working, or the outlet has a filter.
- Label all Follow-Up Flush Samples with "FLUSH" after their unique sample location code. (e.g. WHS- and WHS - --FLUSH).

After Sampling:

- Record the time that sampling ends.
- Count sampling bottles to make sure all water outlets on the inventory were sampled.

Project Officer:

Mike Tillett

Print Name

Mike Tillett

Signature

Date

Sampler:

J. Bonarzo

Print Name

J. Bonarzo

Signature

Date

2/22/17