Results Reports

Order ID: 0083052s

Mid le Bucks Institute of Technologyd
2740 York Road
Jamison, PA 18929d

Project:sDrinking Water Analysis

Attn:s Richard Hansens

Regulatory ID:s

Sample Number: 0083052-01s | Site: Irrigation Wells | Sample ID: sLandscapings
Collector: MAW-STLs | Collect Date: 08/13/2020 10:08 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	By	nalysis DateA	By
Microbiologys										
Total Coliform, Enumeration t		s								
Total Coliforms	< 1s	s	MPN/100mLs	SM 9223-Bs	1s	1s	08/13/20	MCMs	08/13/20 15:46s	MCMs
E. colis	< 1s		MPN/100mLs	SM 9223-Bs	1s	1s	08/13/20	MCMs	08/13/20 15:46s	MCMs

Sample Number: 0083052-02s | Site: Domestic Waters | Sample ID: sWarwick Township Municipals
Collector: MAW-STLs | Collect Date: 08/13/2020 10:14 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	By	nalysis Date	By
Microbiologys										
Total Coliform, Enumeration t		s								
Total Coliforms	< 1s	s	MPN/100mLs	SM 9223-Bs	1s	1s	08/13/20	MCMs	08/13/20 15:46s	MCMs
E. colis	< 1s		MPN/100mLs	SM 9223-Bs	1s	1s	08/13/20	MCMs	08/13/20 15:46s	MCMs

Sample Receipt Conditions:A

All samples met the sample receipt requirements for the relevant analyses.s

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The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other d regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only. d

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.d

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or d comments, you should evaluate useability relative to your needs.d

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.d

All results reported on an As Received (Wet Weight) basis unless otherwise noted.d

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Results are considered Preliminary unless report is signed by authorized representative of STL.d

Report Generated On: 08/14/2020 3:37 pms 0083052s
STL_Results Revision #1.9s Effective: 04/16/2020

Reviewed and Released By:v
Ryan F Knerrd
Project Manager IId

Report Generated On: 08/14/2020 3:37 pms 0083052s
STL_Results Revision #1.9s Effective: 04/16/2020

SUBURBAN TESTING LABS

Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other _____
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 0083052

Client Name / Address:		Project Name / Address:
Middle Bucks Institute of Technology **2740 York Road** **Jamison, PA 18929**	Phone: **(215) 343-2480** Fax:	**Drinking Water Analysis**
Client Project Manager: **Richard Hansen**	Payment / P.O. Info: **20200095**	Regulatory ID (SDWA/Permit #):

Project Description:

Order Comments: Sampling should occur every 45 days

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0083052-01	Irrigation Well	Landscaping	8/13/20 1006	MaWST	Potable Water	Grab	

Container Type / Preservation		Preservation Check	Analysis - Method	Field Results
120mL Sterile & Na2S2O3	A		**Microbiology** Total Coliform, Enumeration - SM 9223-B	
Field Services	B		**Unassigned** Sample Collection, Standard - SL0015	X

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0083052-02	Domestic Water	Warwick Township Municipal	8/13/20 1014	MaWST	Potable Water	Grab	

Container Type / Preservation		Preservation Check	Analysis - Method	Field Results
120mL Sterile & Na2S2O3	A		**Microbiology** Total Coliform, Enumeration - SM 9223-B	

WKO TAT = 3 Cool Sample(s) to 10 C

	Count	Date / Time	Temp (°C) / Acceptable?
Relinquished By:		Date: Time:	Temp (°C): _____
Received By:		Date: Time:	Temp (°C): _____
Relinquished By:	2	Date: 8/13/20 Time: 1410	Temp (°C): 2.5 Acceptable: Y / N
Received in Lab By:	2	Date: 8/13/20 Time: 1410	Temp (°C): Dec Acceptable: Y / N

Sample Conditions

- Number of Containers\Cooler received matches number on COC? Y / N
- Sample labels and COC free of descrepancies? Y / N
- All Containers Intact? Y / N
- VOC vials for VOA analysis free of headspace, if applicable? Y / N

Sample Type Key

G = Grab
C = Composite
8HC = 8 Hr. Composite
24HC = 24 Hr. Composite

S D W A = D = Distribution, E = Entry Point, R = Raw, C = Check, S = Special, M = Maximum

Bottle Type Key

P = Plastic
G = Glass
GA = Glass Amber
VOA = 40mL G or GA
PP = Sterile Polypropylene
PS = Sterile Polystyrene
HDPE = High Density Poylethylene
O = Other

Preservative Key

A = Ascorbic Acid
C = HCl
H = HNO3
N = Sodium Thiosulfate
OH = NaOH
S = H2SO4
O = Other
NA = None Required

Shaded areas are for STL use only

SUBURBAN TESTING LABS

Results Reports

Order ID: 0045222s

Mid le Bucks Institute of Technologyd
2740 York Road
Jamison, PA 18929d

Project:sLead & Copper Analysis

Attn:s Richard Hansens

Regulatory ID:s

Sample Number: 0045222-01s | Site: Site 1s | Sample ID: sA - First Floors
Collector: SABs | Collect Date: 06/29/2020 7:30 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	By	nalysis DateA		By
Metals											
Copper s	0.032s	s	mg/Ls	EPA 200.8s	0.010	1s	07/08/20	RPVs	07/09/20	2:13s	RPVs
Lead s	< 0.001s	s	mg/Ls	EPA 200.8s	0.001s	1s	07/08/20	RPVs	07/09/20	2:13s	RPVs

Sample Number: 0045222-02s | Site: Site 2s | Sample ID: sA - Second Floors
Collector: SABs | Collect Date: 06/29/2020 7:30 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	By	nalysis DateA		By
Metals											
Copper s	0.229s	s	mg/Ls	EPA 200.8s	0.010	1s	07/08/20	RPVs	07/09/20	2:17s	RPVs
Lead s	< 0.001s	s	mg/Ls	EPA 200.8s	0.001s	1s	07/08/20	RPVs	07/09/20	2:17s	RPVs

Sample Number: 0045222-03s | Site: Site 3s | Sample ID: sCafes
Collector: SABs | Collect Date: 06/29/2020 7:30 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	ByA	nalysis DateA		By
Metals											
Copper s	0.176s	s	mg/Ls	EPA 200.8s	0.010	1s	07/08/20	RPVs	07/09/20	2:19s	RPVs
Lead s	< 0.001s	s	mg/Ls	EPA 200.8s	0.001s	1s	07/08/20	RPVs	07/09/20	2:19s	RPVs

Sample Number: 0045222-04s | Site: Site 4s | Sample ID: sD-Wings
Collector: SABs | Collect Date: 06/29/2020 7:30 ams | Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	ByA	nalysis DateA		By
Metals											
Copper s	0.959s	s	mg/Ls	EPA 200.8s	0.010	1s	07/08/20	RPVs	07/09/20	2:21s	RPVs
Lead s	< 0.001s	s	mg/Ls	EPA 200.8s	0.001s	1s	07/08/20	RPVs	07/09/20	2:21s	RPVs

Report Generated On: 07/10/2020 10:58 ams 0045222s
STL_Results Revision #1.9s Effective: 04/16/2020

SUBURBAN TESTING LABS

Sample Number: 0045222-05s	Site: Site 5s	Sample ID: sC-Wing - Sykes
Collector: SABs	Collect Date: 06/29/2020 7:30 ams	Sample Type: Grab s

Department / Test / ParameterA	ResultA		UnitsA	Method	R.L.A	DF	Prep Date	By	nalysis DateA		By
Metals											
Copper s	0.701s	s	mg/Ls	EPA 200.8s	0.010	1s	07/08/20	RPVs	07/09/20	2:23s	RPVs
Lead s	0.003s	s	mg/Ls	EPA 200.8s	0.001s	1s	07/08/20	RPVs	07/09/20	2:23s	RPVs

Sample Receipt Conditions:A

All samples met the sample receipt requirements for the relevant analyses.s

s

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other d regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only. d

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.d

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or d comments, you should evaluate useability relative to your needs.d

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.d

All results reported on an As Received (Wet Weight) basis unless otherwise noted.d

This laboratory report may not be reproduced, except in full, without the written approval of STL.d

Results are considered Preliminary unless report is signed by authorized representative of STL.d

Reviewed and Released By:v

Lisa F. Cared

Project Manager Id

Report Generated On: 07/10/2020 10:58 ams 0045222s

STL_Results Revision #1.9s Effective: 04/16/2020

SUBURBAN TESTING LABS

Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other _____
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 0045222

Client Name / Address:		Project Name / Address:
Middle Bucks Institute of Technology **2740 York Road** **Jamison, PA 18929**	Phone: **(215) 343-2480** Fax:	**Lead & Copper Analysis**
Client Project Manager: **Richard Hansen**	Payment / P.O. Info: **20200095**	Regulatory ID (SDWA/Permit #):

Project Description:

Order Comments: Semiannual Analysis. First-draw samples, client will collect and have for STL to pick up.

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0045222-01	Site 1	A - First Floor	6-29-20 7:30 AM	SAB	Potable Water	Grab	

Container Type / Preservation	Preservation Check	Analysis - Method	Field Results
1L P Graduated	* A	**Metals** Copper, 200.8 - EPA 200.8 Lead, 200.8 - EPA 200.8	

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0045222-02	Site 2	A - Second Floor	6-29-20 7:30 AM	SAB	Potable Water	Grab	

Container Type / Preservation	Preservation Check	Analysis - Method	Field Results
1L P Graduated	* A	**Metals** Copper, 200.8 - EPA 200.8 Lead, 200.8 - EPA 200.8	

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0045222-03	Site 3	Cafe	6-29-20 7:30 AM	SAB	Potable Water	Grab	

Container Type / Preservation	Preservation Check	Analysis - Method	Field Results
1L P Graduated	* A	**Metals** Copper, 200.8 - EPA 200.8 Lead, 200.8 - EPA 200.8	

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0045222-04	Site 4	D - Wing	6-29-20 7:30 AM	SAB	Potable Water	Grab	

Container Type / Preservation	Preservation Check	Analysis - Method	Field Results
1L P Graduated	* A	**Metals** Copper, 200.8 - EPA 200.8 Lead, 200.8 - EPA 200.8	

ORDER ID: 0045222

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0045222-05	Site 5	E-Wing - Sykes	6-29-20 7:30AM	SAB	Potable Water	Grab	

Container Type / Preservation	Preservation Check
1L P Graduated *	A

Analysis - Method	Field Results
Metals Copper, 200.8 - EPA 200.8 Lead, 200.8 - EPA 200.8	

* preserved with 3 mL 1:1 HNO_3 pH<2 TLB 6/29/20

WKO TAT = 10

No Thermal Preservation Required

	Count		
Relinquished By:		Date:	Temp (°C): _____
		Time:	
Received By:	5	Date: 6/29/20	Temp (°C): No Temp
		Time: 1059	
Relinquished By:	5	Date: 6/29/20	Temp (°C): No Temp
		Time: 1345	Acceptable: ? (Y) / N
Received in Lab By: TLB	5	Date: 6/29/20	Temp (°C): _____
		Time: 1345	Acceptable: ? Y / N

Sample Conditions

Number of Containers\Cooler received matches number on COC?	Y / N
Sample labels and COC free of descrepancies?	Y / N
All Containers Intact?	Y / N
VOC vials for VOA analysis free of headspace, if applicable?	Y / N

Sample Type Key

G = Grab
C = Composite
8HC = 8 Hr. Composite
24HC = 24 Hr. Composite

S	D = Distribution
D	E = Entry Point
W	R = Raw
A	C = Check
	S = Special
	M = Maximum

Bottle Type Key

P = Plastic
G = Glass
GA = Glass Amber
VOA = 40mL G or GA
PP = Sterile Polypropylene
PS = Sterile Polystyrene
HDPE = High Density Poylethylene
O = Other

Preservative Key

A = Ascorbic Acid
C = HCl
H = HNO3
N = Sodium Thiosulfate
OH = NaOH
S = H2SO4
O = Other
NA = None Required

Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbantestinglabs.com\resources\standard-terms-and-conditions.html) unless otherwise specified in writing.

Shaded areas are for STL use only

2016 REVISED SU[illegible]CTION PROCEDURES

0045222
Lisa F. Care

These samples are being collected to d[illegible] This sampling effort is required by the U.S. Environmental Protection Agency and the [illegible] Department of Environmental Protection, and is being accomplished through the cooperation of homeowners and residents.

A sample is to be collected after water has been sitting in the pipes for an extended period of time (i.e., no water use during this period). Due to this requirement, either early mornings or evenings upon returning home from work are the best times for collecting samples. The collection procedure is described in more detail below:

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. **A minimum six (6) hour period during which there is no water use throughout the house** must be achieved prior to sampling. **Do not intentionally flush the water line before the start of the 6 hour period.** The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. **Do not remove the aerator prior to sampling.** If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, or a point of use filter, if possible. **Place the sample bottle (open) below the faucet and open the cold water tap as you would do to fill a glass of water.** Fill the sample bottle to the line marked **"1,000-mL"** and turn off the water.

4. Tightly cap the sample bottle and place it in the sample kit provided. Please review the sample kit label at this time to ensure that all information contained on the label is correct.

5. If any plumbing repairs or replacement has been done in the home since the previous sampling event, note this information on the label as provided. Also if your sample was collected from a tap with a water softener, note this as well.

6. Place the sample kit outside of the residence in the location of the kit's delivery so that department staff may pick up the sample kit.

7. Results from this monitoring effort and information about lead will be provided to you as soon as practical but no later than 30 days after the system learns of the tap monitoring results. However, if excessive lead and/or copper levels are found, immediate notification will be provided (usually 1-2 working days after the system learns of the tap monitoring results).

Call _____ at _____ if you have any questions regarding these instructions.

I certify that each resident or sample collector has been instructed in the proper methods for collecting lead and copper tap samples.	
Water Supplier Signature: [signature]	Date: 6-29-2020