

July 11, 2022

American Paradigm Schools 8101 Castor Avenue Philadelphia, PA Attention: Mr. Michael Broadbent

#### Re: Lead in Drinking Water Sampling First Philadelphia Preparatory Charter School 4300 Tacony Street Philadelphia, PA 19124 Project No. 80149

Dear Mr. Broadbent:

The Vertex Companies, LLC (VERTEX) is pleased to provide this Letter Report summarizing the lead in drinking water sampling performed within the First Philadelphia Preparatory Charter School located at 4300 Tacony Street in Philadelphia, Pennsylvania (the site).

VERTEX's services were performed on June 23, 2022 during the early morning hours prior to normal occupancy; thus, no water use for greater than six hours. Twenty-one (21) sample locations were chosen from various water outlets including: hallway and cafeteria fountains, and kitchen prep and office sinks. Sample collection methodology incorporated a 1<sup>st</sup> draw sample from each location.

Sampling bottle ware was provided by the laboratory. The samples were submitted under chainof-custody to an NELAP certified laboratory (EMSL Analytical, Inc. of Cinnaminson, New Jersey) and analyzed by inductively coupled plasma – mass spectrometry for lead in drinking water via USEPA Method 200.8.

Sample results were compared to the USEPA National Primary Drinking Water Regulations. The maximum contaminant level goal for lead is zero; which allow for a margin of safety and are nonenforceable public health goals. The maximum contaminant level for lead where treatment techniques would be required is 15 ug/L (Action Level). In addition, results were compared to The School District of Philadelphia's Safe Water Testing Program which has set a safety limit of 10 ug/L for lead in drinking water. Note: micrograms per liter (ug/L) = parts per billion (ppb). Results for the lead in drinking water samples collected identified the following:

- Each of the twenty-one (21) samples were below the USEPA Action Level for lead (15 ug/L).
- Each of the twenty-one (21) samples were within the School District of Philadelphia's Safe Water Testing Program Safety Limit for lead (10 ug/L).
- Twenty (20) of the twenty-one (21) samples were below the analytical detection limit.

**Conclusion:** Based on the project findings, no samples exceeded the USEPA Action Level or The School District of Philadelphia's Safe Water Testing Program safety limit for lead in drinking water. No further action is required at this time.

#### <u>Limitations:</u>

Professional opinions presented in this report are based on information made available to VERTEX either by review of data provided by others or data obtained by VERTEX personnel.

VERTEX affirms that data gathered and presented by VERTEX in this report was collected in an appropriate manner in accordance with generally accepted guidelines, methods and practices.

Changes in conditions which affect the site can occur over time. Should additional information become available which would affect the status of this report, we reserve the right to amend our opinions and professional judgments.

VERTEX appreciates the opportunity to assist you with respect to this project. Please do not hesitate to contact our office, should you have any questions. Thank you.

Sincerely, The Vertex Companies, LLC

William Otten Senior Project Manager

Attachments: Laboratory Results Photographs





Attn:

7/11/2022

William Otten The Vertex Companies, Inc. 2501 Seaport Drive Suite BH110 Chester, PA 19013

Phone: (610) 558-8902 Fax: (610) 558-8904

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/24/2022. The results are tabulated on the attached data pages for the following client designated project:

# First Philadelphia Preparatory Charter School 80149 recieved preserved

The reference number for these samples is EMSL Order #012210004. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Ch MM 1

Owen McKenna, Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

Report amended 07/11/2022 12:07:12 Replaces initial report from 07/07/2022 07:22:05 Customer contact information corrected.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

EMS		Companies, Inc.         Fax:         (610) 558-8904           Port Drive         Received:         06/24/22 9:00 AM           0         A 19013         Kernel					
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Project: Fi	irst Philad	elphia Preparatory Charter Sc	hool 80149 recieved pre	served			

		Analytical I	Results					
Client Sample Description	1 Bldg A-Gym Hall Fountain		Collected:	6/23/2022 4:05:00 PM		D:	012210004-00	01
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L		6/29/2022	KG	06/29/22 23:53	KG
Client Sample Description	<ul> <li>2</li> <li>Bldg A-Kitchen Prep Sink</li> </ul>		Collected:	6/23/2022 4:05:00 PM		D:	012210004-00	02
Method	Parameter	Result	RL Unit	S	Prep Date & An		Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L		6/29/2022	KG	06/29/22 23:58	KG
Client Sample Description	a 3 Bldg A-142(TeacherRoom) Sink		Collected:	6/23/2022 4:05:00 PM		) ID:	012210004-00	03
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L		6/29/2022	KG	06/30/22 0:05	KG
Client Sample Description	<ul> <li>4</li> <li>Bldg A-Hall Fountain across from 7</li> </ul>	147	Collected:	6/23/2022 4:05:00 PM		) ID:	012210004-00	04
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L		6/29/2022	KG	06/30/22 0:07	KG
Client Sample Description	1 5 Bldg A-Sink in Business Office		Collected:	6/23/2022 4:05:00 PM		) ID:	012210004-00	05
Method	Parameter	Result	RL Unit	s	Prep Date & An	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L		7/5/2022	KG	07/05/22 13:27	KG

Ph Ph	MSL Analytical, In 0 Route 130 North, Cinnaminso one/Fax: (856) 303-2500 / (85 p://www.EMSL.com	n, NJ 08077 6) 858-4571 <u>EnvChemistry2@emsl.com</u>	•	10) 558-8902	EMSL Or Custome Custome ProjectID	rID: rPO:	012210004 VRTX78	
2501 Seapor Suite BH110 Chester, PA	Companies, Inc. t Drive		Fax: (6 Received: 06	5/24/22 9:00 A	M			
		Analytical	Results					
Client Sample Description	on 6 Bldg A-Hall Fountain by theatre	-	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-000	06
Method	Parameter	Result	RL Units	5	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6/	/29/2022	KG	06/30/22 0:09	KG
Client Sample Descriptio	n 7 Bldg A-2nd Floor Teach	ner's Room sink	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-000	07
Method	Parameter	Result	RL Units	5	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6/	/29/2022	KG	06/30/22 0:10	KG
Client Sample Descriptio	n 8 Bidg A-2nd Floor Hall F	ountain by 405	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-000	08
Method	Parameter	Result	RL Units	5	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6/	/29/2022	KG	06/30/22 0:12	KG
Client Sample Description	on 9 Bldg A-3rd Floor Hall Fo	ountain by IT Room	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-000	09
Method	Parameter	Result	RL Units	5	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	7/	/5/2022	KG	07/05/22 13:31	KG
Client Sample Descriptio	on 10 Bldg B-Lower Level Hal 009/011	l Fountain between	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	10
Method	Parameter	Result	RL Units	5	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6/	/29/2022	KG	06/30/22 0:13	KG

Attn: William Otter	MSL Analytical, Inc D Route 130 North, Cinnaminson, Dne/Fax: (856) 303-2500 / (856) D:://www.EMSL.com	NJ 08077 858-4571 EnvChemistry2@emsl.com	Phone: (6	610) 558-8902 610) 558-8904		rID: rPO:	012210004 VRTX78	
2501 Seapor Suite BH110 Chester, PA	Drive			6/24/22 9:00 A	M			
		Analytical	Results					
Client Sample Descriptio	n 11 Bldg B-Lower Level Middl Fountain	e School Cafeteria	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	11
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6	/29/2022	KG	06/30/22 0:15	KG
Client Sample Descriptio	n 12 Bldg B-Lower Level Kitch	en Food Prep Sink	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	12
Method	Parameter	Result	RL Unit	S	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	1.22	1.00 µg/L	6	/29/2022	KG	06/30/22 0:16	KG
Client Sample Descriptic	n 13 Bldg B-Lower Level High Sink	School Cafeteria	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	13
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6	/29/2022	KG	06/30/22 0:21	KG
Client Sample Descriptic	n 14 Bldg B-Lower level Hall F from 016/018	ountain across	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	14
Method	Parameter	Result	RL Unit	S	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6	/29/2022	KG	06/30/22 0:26	KG
Client Sample Descriptio	n 15 Bldg B-1st Floor High Scl Sink	nool Staff Office	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-00	15
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	6	/29/2022	KG	06/30/22 0:27	KG

Attn: William Otte	n Companies, Inc. t Drive		Phone: (6 Fax: (6	610) 558-8902 610) 558-8904 6/24/22 9:00 /	ţ	erID: erPO:	012210004 VRTX78	
Project: First Philadel	phia Preparatory Char	ter School 80149 recieved pre	served					
		Analytical	Results					
Client Sample Description		Niddle School Staff Office	Collected:	6/23/2022 4:05:00 PM	Lab	) ID:	012210004-00	16
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	
METALS								
200.8	Lead	ND	1.00 µg/L	6	6/29/2022	KG	06/30/22 0:29	KG
Client Sample Description		Hall Fountain between	Collected:	6/23/2022 4:05:00 PM	Lab	) ID:	012210004-00	17
Method	Parameter	Result	RL Unit	S	Prep Date & An	alyst	Analysis Date & Anal	
METALS								
200.8	Lead	ND	1.00 µg/L	6	6/29/2022	KG	06/30/22 0:30	KG
Client Sample Description		Hall Fountain between	Collected:	6/23/2022 4:05:00 PM	Lab	) ID:	012210004-00	18
Method	Parameter	Result	RL Unit	s	Prep Date & An	alyst	Analysis Date & Anal	
METALS								
200.8	Lead	ND	1.00 µg/L	6	6/29/2022	KG	06/30/22 0:32	KG
Client Sample Description		Hall Fountain Between	Collected:	6/23/2022 4:05:00 PM	Lab	D:	012210004-00	19
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	
METALS								
200.8	Lead	ND	1.00 µg/L	6	6/29/2022	KG	06/30/22 0:33	KG
Client Sample Description		Hall Fountain Between	Collected:	6/23/2022 4:05:00 PM	Lab	) ID:	012210004-00	20
Method	Parameter	Result	RL Unit	s	Prep Date & An		Analysis Date & Anal	
METALS								
200.8	Lead	ND	1.00 µg/L	6	6/29/2022	KG	06/30/22 0:35	KG

	MSL	EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	NJ 08077	L		EMSL Order: CustomerID: CustomerPO: ProjectID:	012210004 VRTX78
	William O The Verte 2501 Seap Suite BH1 Chester, F	x Companies, Inc. port Drive 10		Phone: Fax: Received:	(610) 558-8902 (610) 558-8904 06/24/22 9:00 AM	Λ	
Projec	t: First Phila	delphia Preparatory Charter Sch	ool 80149 recieved pres	served			

# **Analytical Results**

Client Sample Description	n 21 Bldg B-3rd Floor Hall F 339/343	ountain Between	Collected:	6/23/2022 4:05:00 PM	Lab	ID:	012210004-002	21
Method	Parameter	Result	RL Units	5	Prep Date & An	alyst	Analysis Date & Analy	
METALS								
200.8	Lead	ND	1.00 µg/L		6/29/2022	KG	06/30/22 0:40	KG

#### Definitions:

MDL - method detection limit J - Result was below the reporting limit, but at or above the MDL ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical) D - Dilution Sample required a dilution which was used to calculate final results

2

EMSL

EMSL ANALYTICAL, INC.

#### Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077

> PHONE: (800) 220-3675 EMAIL: CinnaminsonLeadLab@emsl.com

012210004

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

2	Bldg A - Gym Hall Fountain			ampleo
2	Dlagt - Oym Mall roundain		6/23/	22
7	1 - Kitchen Prop Sink		1	
2	- 142 (Teacher Room) Sink			
4	- Hall Fountain across Pro	m 147		
5	- Sink in business of	Per		
6	- Hall Fountail by restroom			1700
7	- 2 Placer Teacher's Room	Sint	unerstateres.	
8	- god Floor Itall Fountain b	1405		
9	V - 3rd Ploor Hall Fountein	by ITRoom		
10	Bldg B - Lower Level Hall Forntal	/ / /	1.1	
11		Catetoria Fountain		
12	- Kitchen Fra			
13		Captoria Sinte		
14		orcross from 046/0	18	
15	- 1st Flour High Schools			
6		HAP Office Sint		
17		betacar 139/143		1
18	- 2 Floor	1 236/240		
19	- 4	239/243		a film
20	- 3rt Floor	318/322		
21	V-L V	V 329/342	V	

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

OrderID:	012210004
2.5	
•	MSL

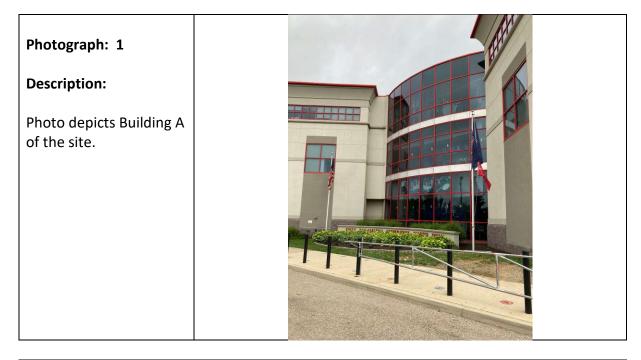
#### Lead Chain of Custody EMSL Order Number / Lab Use Only

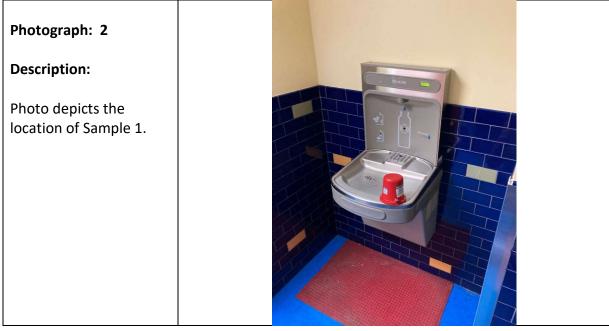
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200 Route 130 North Cinnaminson, NJ 08077

MSL ANALYTICAL, INC.		012210004					PHONE: (800) 220-3675 EMAIL: CinnaminsonLeadLab@en			
Customer ID:				Billing ID:			E	IMAIL: CIN	naminisonLead	-an@el
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Contact Name: Milliam Street Address: 250/ Sca	TX Com	panics, LL	C	Company						
Contact Name: William	Otten	/	C C C C C C C C C C C C C C C C C C C	Billing Con	tact:					
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3 Hour 6 Hour	24 Hour	32 Hour	48 Hour		72 Hour	96 Hour	X	1 Week	2 W	eek
Please		ts and/or turnaround times 6 Hou IETHOD		TAT available		REPORTING		SE	LECTION	
IIPS % by wt. pppm (mg/kg) mg/cm <sup>3</sup>			-							
	SW	846-7000B	Flam	e Atomic A	bsorption	0.008% (80p	pm)			
eporting Limit based on a minimum	CIM	846-6010D*		ICP-OE	2	0.000496 (44	nom)			
25g sample weight	500	040-00100		ICP-UE	0	0.0004% (4p	Pill)			
	NI	OSH 7082	Flam	e Atomic A	bsorption	4µg/filter				
R					and the second second				_	-
		DM / NIOSH 7303M		ICP-OE		0.5µg/filte				
	NIOSH 730	NIOSH 7300M-/ NIOSH 7303M		ICP-MS		0.05µg/filter				
	SW	SW 846-7000B		Flame Atomic Absorption		10µg/wipe		130		
no box is checked, non-ASTM Wipe is sumed	SW	SW 846-6010D*		ICP-OES		1.0µg/wipe		P		
	SW 846-1311	/ 7000B / SM 3111B	Flam	Flame Atomic Absorption		0.4 mg/L (ppm)				
CLP	SW 846-13	11 / SW 846-6010D*		ICP-OE	S	0.1 mg/L (p	pm)			
PLP	SW 846-1312	2 / 7000B / SM 3111B	Flam	e Atomic A	bsorption	0.4 mg/L (p	pm)			
	SW 846-13	12 / SW 846-6010D*		ICP-OE	S	0.1 mg/L (p	pm)			
TLC	22 CCR A	pp. II, 7000B	Flam	e Atomic A	bsorption	40mg/kg (p	pm)			
	22 CCR App	. II, SW 846-6010D*		ICP-OE	S	2mg/kg (pp	(mo			
TLC		pp. II, 7000B	Flam	e Atomic A		0.4 mg/L (p			4	
		. II, SW 846-6010D*		ICP-OE		0.1 mg/L (p			4	
lio		846-7000B	Flam	e Atomic A		40mg/kg (p				
		846-6010D*		ICP-OE		2mg/kg (pj				
/astewater	SM 31116	3 / SW 846-7000B	Flam	e Atomic A	Desorption	0.4 mg/L (p	pm)			
reserved PH<2	E	PA 200.7		ICP-OE	S	0.020 mg/L (	ppm)			
rinking Water	E	PA 200.5	-	ICP-OE	S	0.003 mg/L (	ppm)			
npreserved	-	PA 200.8		ICP-M	0					
reserved with HNO3		PA 200.0		ICF-IVI	5	0.001 mg/L (	ppm)			
SP/SPM Filter	40 (	CFR Part 50		ICP-OE	S	12 µg/filt	ər			
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Relinquished by:	Off	Date/Time: 23	22		· M/u	ipt:	Date	5/2	4122	41
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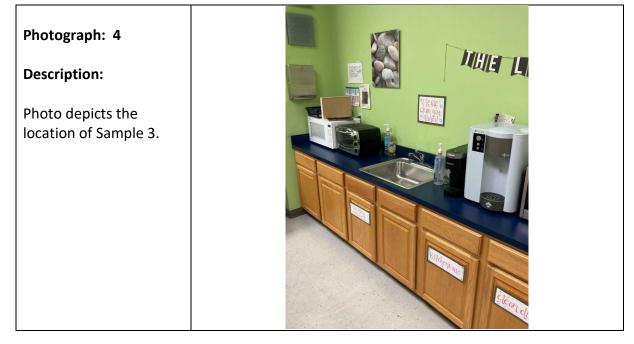


Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC





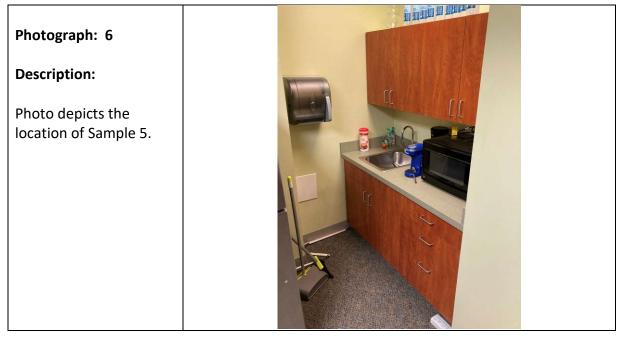


Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC







Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC



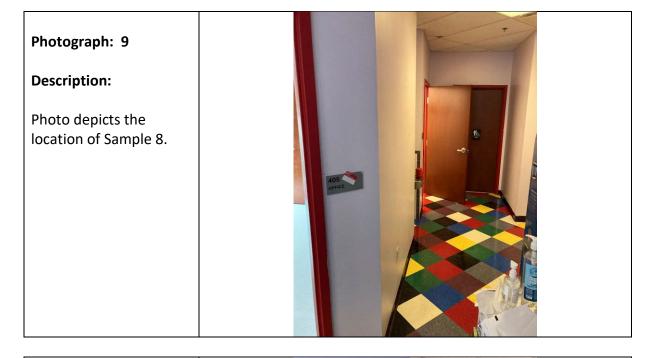


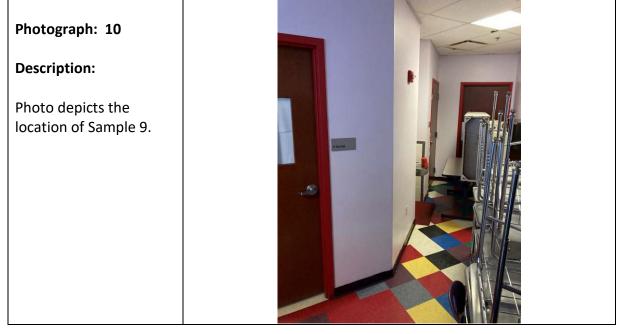


Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC







Photographs taken by William Otten on 6/23/22

# THE VERTEX COMPANIES, LLC



## Photograph: 11

**Description:** 

Photo depicts Building B of the site.



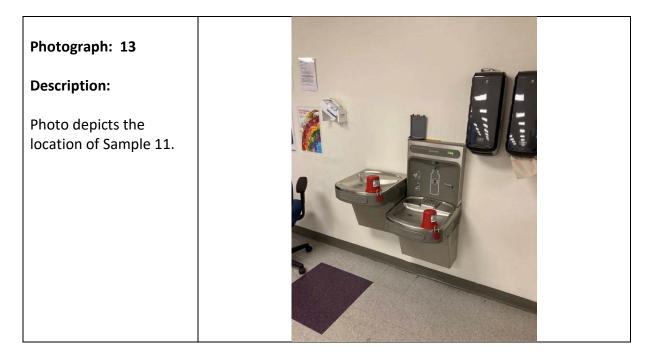


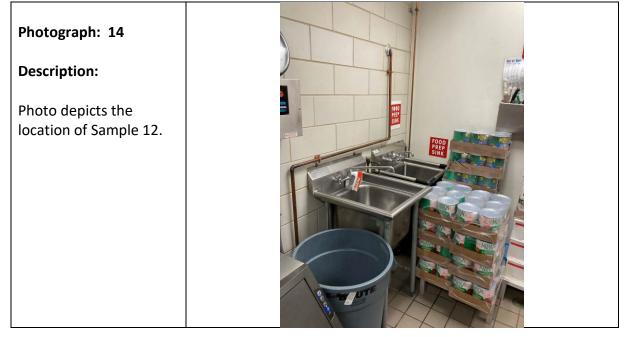
Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC 2501 SEAPORT DRIVE, SUITE BH 110 CHESTER, PA 19013

610.55





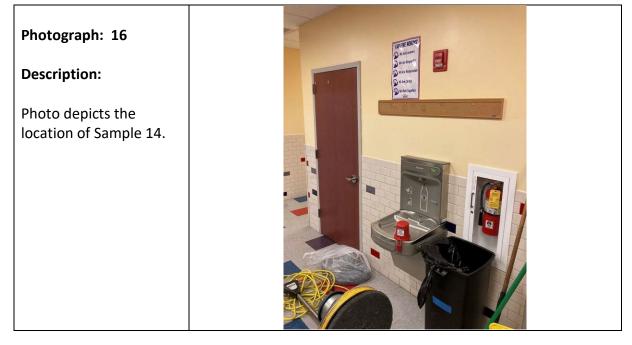


Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC





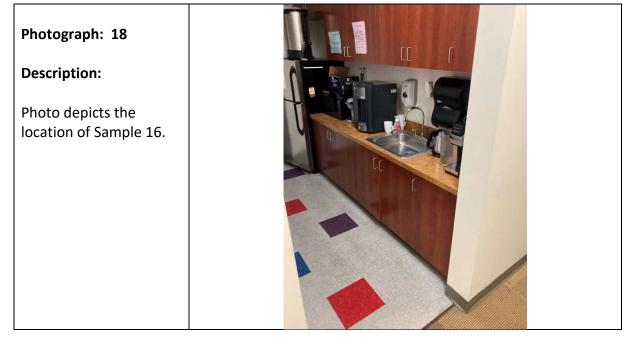


Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC 2501 SEAPORT DRIVE, SUITE BH 110 CHESTER, PA 19013







Photographs taken by William Otten on 6/23/22

# THE VERTEX COMPANIES, LLC





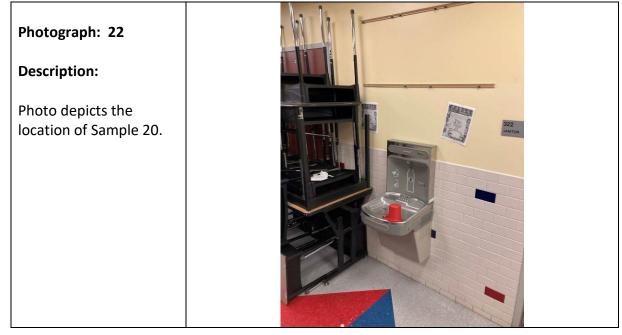


Photographs taken by William Otten on 6/23/22

# THE VERTEX COMPANIES, LLC







Photographs taken by William Otten on 6/23/22

#### THE VERTEX COMPANIES, LLC





Photographs taken by William Otten on 6/23/22