HOME LAND LABS

Phone: (443) 505-8375 | Email: lab@homelandhealthyhomes.com

1220 E Joppa Rd. Ste C505
Towson, MD 21286
MD Lab # 365

108 Old Solomons Island Rd St L2
Annapolis, MD 21401
MD Lab # 106

3430 Rockefeller Ct
Waldorf, MD 20602
MD Lab # 139

2216 Commerce Rd St 2A
Forest Hill, MD 21050
MD Lab # 370

Certificate of Analysis
Report Date: 06/18/2025
Order ID: 275561

Chesapeake Charter School Alliance
20945 Great Mills Road
Lexington Park MD 20653

Date/Time Received: 06/16/2025 03:30 PM

This report is the sole property of **Chesapeake Charter School Alliance**. Any questions about the report MUST be directed to **Chesapeake Charter School Alliance** at +13018639585. Home Land Labs is not at liberty to discuss this report without written consent from **Chesapeake Charter School Alliance**.

Sample ID: 771
Project Name/Number:
Sample Address: 20945 Great Mills Rd.
Lexington Park Maryland 20653

Sample Point: #31 Kitchen (L) commercial
Date/Time Sampled: 06/11/2025 08:14 AM

Parameter	Method	Result	MCL	Pass/Fail	SMCL	Acceptable/ High	Units	RL	Analyst	Prep Date/ Time	Analysis Date/Time
Lead, Total	EPA 200.8	0.0027	0.015	Pass	N/A	N/A	mg/L	0.0005	ESH-365	06/17/2025 14:48	06/17/2025 14:48

Approved By: Lindsay Smith, Lab Director

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Understanding the Results

This narrative is intended to help the recipient understand the results. The information listed below is for tests commonly sampled or analyzed by Home Land Labs. For a full list of the Environmental Protection Agency's (EPA) Primary and Secondary Drinking Water Standards, please visit www.epa.gov. For more information on the services we offer, please visit www.homelandhealthyhomes.com.

Definitions and Acronyms

Maximum Contamination Level (MCL): A level established by the EPA, which is the "highest level of a contaminate that is allowed in drinking water." Any level that exceeds the MCL is considered unsafe for human consumption. Secondary MCL (SMCL) is used for Secondary Drinking Water Standards.

Action Level: A measure of the effectiveness of the corrosion control treatment in water systems.

Not Detected: Any level below the reporting limit. Analyst: Refers to the individual whom conducted the test.

Method: The type of analysis used to determine the results.

Reporting Limit (RL): The lowest level that can be detected by the method used for the analysis.

Primary Drinking Water Standard: Enforceable standards developed by the EPA. Levels that exceed the MCL for a particular standard are considered too unsafe for human consumption.

Secondary Drinking Water Standard: Standards developed by the EPA. Secondary standards are generally not considered to be dangerous to human health. They may cause aesthetic or cosmetic problems to the water quality or plumbing distribution system.

The table below is for informational purposes only. See first page of report for your results.

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Parameter	MCL/SMCL	Type	Effects	Source	Common Treatment Options
Total Coliform Bacteria	Present or 1 MPN/100 mL	Primary	Used to indicate whether potentially harmful bacteria are present	Naturally present	Well Repair and Chlorination, UV Light
E. Coli Bacteria	Present or 1 MPN/100 mL	Primary	Stomach illness	Human and animal fecal waste	Well Repair and Chlorination, UV Light
Nitrate	10.0 mg/L	Primary	Blue-Baby Syndrome	Fertilizers and sewage	Reverse Osmosis System
Nitrite	1.0 mg/L	Primary	Blue-Baby Syndrome	Fertilizers and sewage	Reverse Osmosis System
Lead	Action Level of 0.015 mg/L	Primary	Slowed mental development. kidney problems, high blood pressure	Corrosion of household plumbing systems, erosion of natural deposits	Acid Neutralizer, Chemical Feeder (Soda Ash), Pipe Replacement
Radium Gross Alpha	15.0 pCi/L	Primary	Increased risk of cancer	Naturally occurring	Water Softener
Radium 226 & 228	5.0 pCi/L	Primary	Increased risk of cancer	Naturally occurring	Water Softener
Volatile Organic Compounds (VOCs)	Varies	Primary	Increased risk of cancer	Gas and chemical leaks	Charcoal Filter
Arsenic	0.010 mg/L	Primary	Skin damage, circulatory problems, cancer	Natural deposits, orchards, industrial waste	Reverse Osmosis System
Cadmium	0.005 mg/L	Primary	Kidney damage	Pipes, natural deposits, industrial waste	Reverse Osmosis System, Water Softener
Copper	Action Level of 1.3 mg/L SMCL of 1.0 mg/L	Primary, Secondary	Primary - Gastrointestinal distress, liver or kidney damage Secondary - Metallic taste, blue-green staining	Corrision of household plumbing systems, erosion of natural deposits	Acid Neutralizer, Reverse Osmosis System, Pipe Replacement
Turbidity (Public Water Systems)	1.0 NTU	Primary	Water treatment interference, possible bacteria indicator	Varies	Filtration, Source Protection
Turbidity (Private Wells)	10.0 NTU (MD COP Requirement)	Primary	Possible bacteria indicator	Surface water, iron, other	Filtration, Source Protection
Iron	0.3 mg/L	Secondary	Possible staining on plumbing fixtures and laundry	Naturally occurring	Water Softener
Chloride	250 mg/L	Secondary	Salty taste, plumbing corrosion	Salt water instrusion, road salts	Source Protection, Whole House Reverse Osmosis System
pH	Outside of 6.5-8.5 (Neutral Range)	Secondary	Low pH: Bitter metallic taste, corrosion High pH: Slippery feel, soda taste, deposits	Naturally occurring	Acid Neutralizer

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Rosedale, MD 21237
MD Lab # 353

108 Old Solomons Island Road, Suite L2
Annapolis, MD 21401
MD Lab # 106

3430 Rockefeller Cour
Waldorf, MD 20602
MD Lab # 139

Order ID: 275561
Address: 20945 Great Mills Rd.
Due Date: 06/18/2025

Commercial Chain of Custody Form

Client Name: Chesapeake Charter School
Email Address: pmmcleod@smcps.org
Phone Number: 301.863.9585 x48102

Property Address: 20945 Great Mills Rd
Lexington Park, MD 20653

Sampler Name: Pamela McLeod
Sampler ID#: _____

Lab Use	Sample Point	Date & Time Sampled	pH	Chlorine	Preservation	Analysis Requested
	#31 Kitchen (L) Commercial	6.11.25 @ 8:14am				Lead

Released By: Pamela McLeod Date/Time: 6.16.25 2:00pm

Released By: _____ Date/Time: 6/16/25 3:30pm

Released By: _____ Date/Time: _____

Received in lab by: _____ Date/Time: 6/16/25 3:30pm

Phone: (443) 505-8375 Email: lab@homelandhealthyhomes.com

III. SAMPLE COLLECTION INFORMATION: (This page must be submitted if it was used by the sample collector during sample collection; otherwise, it is **optional** as long as the Laboratory Results Reporting Form (EDD), Laboratory Chain of Custody (COC) form, or similar form contains this information including the date/time of the water last used at the outlets prior to sample collection. For additional samples, please make copies of this page.)

Outlet ID (corresponding to Floor Plan ID)	Laboratory Sample ID/ Sample Bottle #	1st Draw	Flush	Outlet Type	Outlet Use Code	Building Name/ID #	Outlet Room Function/Area Type	Outlet Description/Location	Is sample collected pre- or post-filter (if the outlet has filter)?	Date and Time Water Last Used	Date and Time Sample Collected
XYZ-001	AA12345-001	✓		Faucet, Cold	☒ CO ☐ NC	01 Main	Teachers' Lounge kitchenette	Sink closest to the door, right faucet	☐ Pre-Filter ☐ Post-Filter ☒ Outlet does not have filter ☐ Not sure	Date: 03/24/2021 Time: 4:00PM	Date: 03/25/2021 Time: 6:05AM
#31 (L)		✓		FC	☐ CO ☒ NC	CPCS Main	Commercial kitchen Handsink (L)	(L)	☐ Pre-Filter ☐ Post-Filter ☒ Outlet does not have filter ☐ Not sure	Date: 6.10.25 Time: 2:18 pm	Date: 6.11.25 Time: 8:14 AM
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:
					☐ CO ☐ NC				☐ Pre-Filter ☐ Post-Filter ☐ Outlet does not have filter ☐ Not sure	Date: Time:	Date: Time:

Common Outlet Types:

- Drinking Water Fountain - Bubbler Style
- Drinking Water Fountain - Cooler Style
- Stand-Alone Bottle Filler
- Bottle Filler/Fountain Combo - Bottle Filler
- Bottle Filler/Fountain Combo - Fountain Bubbler Style
- Bottle Filler/Fountain Combo - Fountain Cooler Style
- Faucet, Cold
- Utility Sink Faucet, Cold
- Commercial Sprayer, Cold
- Commercial Kitchen Kettle, Cold
- Spigot (with threads for hose connection)
- Ice Machine
- Soda Machine
- Hot Drink Machine

Room Function/Area Types:

- Hallway
- Kitchen
- Classroom
- Classroom (Art)
- Classroom (Home Economics)
- Classroom (Photo Lab/Dark Room)
- Classroom (Science Lab)
- Classroom (Special Education)
- Classroom (Wood/Metal/Tech Shop)
- Science Lab Prep Room/Area
- Student Workroom/Maker Space
- Staff Workroom
- Office
- Teachers' Lounge/Break Room
- Conference Room
- Nurse's Office/Health Room
- Bathroom
- Locker Room
- Weight/Training/Fitness Room
- Auditorium
- Cafeteria
- Gymnasium
- Multi Purpose Room
- Storage Room/Area
- Janitor/Custodial Closet
- Laundry Room
- Library
- Media Center
- Concessions
- Stadium
- Outdoors
- Garage
- Other

Outlet Use Codes:

CO: Consumption (Regularly used for drinking, food/drink preparation)

NC: Non-consumption (Regularly used for hand washing, dish cleaning, or any other non-consumption use)