NORTHERN
Analytical Services, LLC.
ENVIRONMENTAL CONSULTANTS

October 23, 2017 Project No: 170214

Chris Schoenherr
Four Corner Montessori Academy
1075 East Gardenia
Madison Heights, Michigan 48071

Re: Water Testing
Four Corner Montessori Academy – 2nd Round

Dear Mr. Schoenherr:

Please find the enclosed laboratory results from water samples Northern Analytical Services, LLC. (NAS) collected at the site. Samples were collected to determine the levels of the lead and copper present in drinking water at each active drinking fountain and sink found in the building. Testing was performed as part of an annual inspection of your building.

Samples were collected on October 5th, 2017 by Juston Rehkopf, a State of Michigan accredited Lead Based Paint Inspector (P05558) of NAS. Samples were collected by filling a single 250 milliliter container, pre-treated by the laboratory with acid, at each faucet/drinking fountain and delivering them to the laboratory for analysis. Sample collection was conducted in the morning prior to the water being used by occupants as a "first draw" sample. NAS did not flush or otherwise run each faucet or fountain prior to sample collection; to our knowledge each faucet and fountain sat dormant for at least 6 hours prior to sample collection.

Once delivered to the laboratory (Pace Analytical), samples were analyzed for the presence of copper and lead in accordance with US EPA method 200.8. A copy of the laboratory report is attached.

According to the US EPA's Lead and Copper rule, which applies to schools and child care facilities that meet the definition of a public water system, the practical quantitation limit (PQL) for lead is 0.005 micrograms of lead per liter of water (mg/L) and 0.050 mg/L for copper. The PQL is the concentration of lead or copper that can be reliably measured within specified limits during routine laboratory operating conditions using approved methods. The action level is the concentration of lead or copper in potable water which determines whether a system may be required to install corrosion control treatment, collect water quality parameter samples, collect source water samples, replace lead service e lines, and /or deliver public education about lead. The action level for lead is 0.015 mg/L and 1.3 mg/L for copper.

Essentially the PQL is the limit of detection and the Action Level is the level at which steps should be taken in order to minimize or eliminate exposure to lead or copper. Actions to be taken when the action level is exceeded include the following:

- Public education-provide information to building occupants about the water quality.
- Water quality parameter (WQP) monitoring-establish a routine monitoring program.
- Source water monitoring and source water treatment if necessary.
- Corrosion control treatment (CCT).

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Choice Schools Associates
Four Corners Montessori Academy
Water Quality Testing – 2nd Round
Project No. 170214
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The following is a summary of our findings:

Sample ID	Location	Copper Concentration (mg/L)	Lead Concentration (mg/L)
FC6-2	Drinking fountain outside of rm 214	0.14*	0.0043
FC21-2	East sink in rm 112	0.17*	ND

* exceeds the PQL for lead or copper.
**exceeds the action level for lead or copper.

Of the 2 samples collected, none of those samples exceeded the action level for lead or copper.

Based on these results, NAS recommends the following actions:

- Re-test all fixtures at least annually and following any major changes to the system.

NAS appreciates the opportunity to provide these services and looks forward to assisting you with any re-testing needed. Please do not hesitate to contact me with any questions.

Sincerely

John J. Rehkopf
President