10910 Route 108

Ellicott City, MD 21042

Howard County Public School System

612593

Jeff Klenk

Chain of Custody:

Client:

Address:

Attention:

CERTIFICATE OF ANALYSIS

Maryland Water Quality Lab #262W

NY ELAP

10920

Job Name:

Centennial Lane ES

Job Location: 3825 Centennial Lane, Ellicott City MD

21042

Job Number: 13.005

P.O. Number: Not Provided

Report Date: 01/25/2019

Date Sampled: 01/08/2019
Person Submitting: Jeff Klenk

Date Submitted:

Date Analyzed:

Revised: 01/28/2019 (Revision #2)

01/18/2019

01/25/2019

01/08/2019 - 01/09/2019

| AMA Sample | Client Sample Number | Sample Collection Information | | Analysis | Sample | Reporting | Final Result | Comments |
|------------|-------------------------|-------------------------------|----------|------------|---------|-----------|--------------|----------|
| Number | | Date/Time | Location | Туре | Analyte | Limit | | |
| 612593-1 | CLES 4F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-2 | CLES 5F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-3 | CLES 6 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-4 | CLES 7 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-5 | CLES 8 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-6 | CLES 9F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-7 | CLES 12F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-8 | CLES 13F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-9 | CLES 16F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-10 | CLES 18F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-11 | CLES 19F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-12 | CLES 20F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-13 | CLES 21F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-14 | CLES 22F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-15 | CLES 23F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-16 | CLES 24F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-17 | CLES 25F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-18 | CLES 26F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-19 | CLES 27F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |



Chain of Custody: 612593

Client: Howard County Public School System

Address: 10910 Route 108

Ellicott City, MD 21042

Attention: Jeff Klenk

CERTIFICATE OF ANALYSIS

Job Name: Centennial Lane ES

Job Location: 3825 Centennial Lane, Ellicott City MD

21042

Job Number: 13.005

P.O. Number: Not Provided

Date Submitted: 01/18/2019

Date Analyzed: 01/25/2019

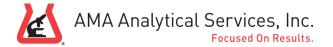
Report Date: 01/25/2019

Date Sampled: 01/08/2019 - 01/09/2019

Person Submitting: Jeff Klenk

Revised: 01/28/2019 (Revision #2)

| 612593-20 CLES 28F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L | AMA Sample | Client Sample Number | Sample Collection Information | | Analysis | Sample | Reporting | Final Result | Comments |
|--|------------|-------------------------|-------------------------------|----------|------------|---------|-----------|--------------|--|
| 612593-21 | Number | | Date/Time | Location | Туре | Analyte | Limit | | |
| 612593-22 | 612593-20 | CLES 28F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-23 | 612593-21 | CLES 29 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-24 | 612593-22 | CLES 30 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-25 CLES 37F 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-26 CLES 40F 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-27 CLES 42 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-28 CLES 43F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-29 CLES 44F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-30 CLES 45F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-31 CLES 48 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-34 CLES 1st Draw 01/08/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 48 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-23 | CLES 32F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-26 | 612593-24 | CLES 35F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-27 CLES 42 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-28 CLES 43F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-29 CLES 44F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-30 CLES 45F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-31 CLES 48 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-34 CLES 1 1st Draw 01/08/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L 612593-37 CLES 45 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-25 | CLES 37F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-28 | 612593-26 | CLES 40F 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-29 CLES 44F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-30 CLES 45F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L <1 ug/L 612593-31 CLES 48 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L 3.4 ug/L 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-27 | CLES 42 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-30 CLES 45F 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-31 CLES 48 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L 3.4 ug/L 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-28 | CLES 43F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-31 CLES 48 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L 3.4 ug/L 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-29 | CLES 44F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-32 CLES 49 1st Draw 01/08/2019 5:19 am DF/C Furnace AA Lead 1 ug/L <1 ug/L 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L 3.4 ug/L 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-30 | CLES 45F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-33 CLES 50F 1st Draw 01/08/2019 5:19 am CC/B Furnace AA Lead 1 ug/L 3.4 ug/L 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-31 | CLES 48 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-34 CLES 1 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 16 ug/L 16.1 ug/L 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-32 | CLES 49 1st Draw | 01/08/2019 5:19 am | DF/C | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-35 CLES 2 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 59 ug/L 58.9 ug/L. This sample has an elevated level of lead (above 20.5). 612593-36 CLES 3 1st Draw 01/09/2019 5:32 am KS Furnace AA Lead 1 ug/L 1.9 ug/L 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-33 | CLES 50F 1st Draw | 01/08/2019 5:19 am | CC/B | Furnace AA | Lead | 1 ug/L | 3.4 ug/L | |
| Ead (above 20.5). Ead (above 20.5). | 612593-34 | CLES 1 1st Draw | 01/09/2019 5:32 am | KS | Furnace AA | Lead | 1 ug/L | 16 ug/L | 16.1 ug/L |
| 612593-37 CLES 4S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.5 ug/L | 612593-35 | CLES 2 1st Draw | 01/09/2019 5:32 am | KS | Furnace AA | Lead | 1 ug/L | 59 ug/L | 58.9 ug/L. This sample has an elevated level of lead (above 20.5). |
| | 612593-36 | CLES 3 1st Draw | 01/09/2019 5:32 am | KS | Furnace AA | Lead | 1 ug/L | 1.9 ug/L | |
| 612593-38 CLES 5S 1st Draw 01/09/2019 5:32 am CC/S Furnace AA Lead 1 ug/L 1.4 ug/L | 612593-37 | CLES 4S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 1.5 ug/L | |
| | 612593-38 | CLES 5S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 1.4 ug/L | |



Chain of Custody: 612593

Client: Howard County Public School System

Address: 10910 Route 108

Ellicott City, MD 21042

Attention: Jeff Klenk

CERTIFICATE OF ANALYSIS

Job Name: Centennial Lane ES

Job Location: 3825 Centennial Lane, Ellicott City MD

21042

Job Number: 13.005

P.O. Number: Not Provided

Date Submitted: 01/18/2019

Date Analyzed: 01/25/2019

Report Date: 01/25/2019

Date Sampled: 01/08/2019 - 01/09/2019

Person Submitting: Jeff Klenk

Revised: 01/28/2019 (Revision #2)

| AMA Sample | Client Sample | Sample Collection Information | | Analysis | Sample | Reporting | Final Result | Comments |
|------------|-------------------|-------------------------------|----------|------------|---------|-----------|--------------|----------|
| Number | Number | Date/Time | Location | Туре | Analyte | Limit | | |
| 612593-39 | CLES 10S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-40 | CLES 11S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-41 | CLES 14S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-42 | CLES 15S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-43 | CLES 17 1st Draw | 01/09/2019 5:32 am | CR | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-44 | CLES 18S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-45 | CLES 19S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-46 | CLES 20S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-47 | CLES 21S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-48 | CLES 22S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-49 | CLES 23S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-50 | CLES 24S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-51 | CLES 25S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-52 | CLES 26S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 1.7 ug/L | |
| 612593-53 | CLES 27S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-54 | CLES 28S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 1.8 ug/L | |
| 612593-55 | CLES 31 1st Draw | 01/09/2019 5:32 am | CR | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-56 | CLES 33S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 2.5 ug/L | |
| 612593-57 | CLES 34S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |



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Attention: Jeff Klenk

CERTIFICATE OF ANALYSIS

Job Name: Centennial Lane ES

Job Location: 3825 Centennial Lane, Ellicott City MD

21042

Job Number: 13.005

P.O. Number: Not Provided

Date Submitted: 01/18/2019

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Date Sampled: 01/08/2019 - 01/09/2019

Person Submitting: Jeff Klenk

Revised: 01/28/2019 (Revision #2)

| AMA Sample Number | Client Sample Number | Sample Collection I | nformation Location | Analysis Type | Sample Analyte | Reporting Limit | Final Result | Comments |
|----------------------|-------------------------|---------------------|------------------------|------------------|-------------------|--------------------|--------------|---|
| 612593-58 | CLES 36 1st Draw | 01/09/2019 5:32 am | OT.7 | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-59 | CLES 38S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 4.1 ug/L | |
| 612593-60 | CLES 39S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-61 | CLES 41 1st Draw | 01/09/2019 5:32 am | TL | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-62 | CLES 43S 1st Draw | 01/09/2019 5:32 am | NO | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-63 | CLES 44S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 2.1 ug/L | |
| 612593-64 | CLES 45S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | < 1 ug/L | |
| 612593-65 | CLES 46 1st Draw | 01/09/2019 5:32 am | CR | Furnace AA | Lead | 1 ug/L | 1.7 ug/L | |
| 612593-66 | CLES 47 1st Draw | 01/09/2019 5:32 am | CR | Furnace AA | Lead | 1 ug/L | 6 ug/L | |
| 612593-67 | CLES 50S 1st Draw | 01/09/2019 5:32 am | CC/S | Furnace AA | Lead | 1 ug/L | 4.8 ug/L | |
| 612593-68 | CLES 51 1st Draw | 01/09/2019 5:32 am | OT.2 | Furnace AA | Lead | 1 ug/L | 1 ug/L | |
| 612593-69 | CLES 52 1st Draw | 01/09/2019 5:32 am | KK | Furnace AA | Lead | 1 ug/L | 370 ug/L | 365.6 ug/L. This sample has an elevated level of lead (above 20.5). |
| | | | | | | | | |



CERTIFICATE OF ANALYSIS

Chain of Custody: 612593

Client: Howard County Public School System

Address: 10910 Route 108

Ellicott City, MD 21042

Attention: Jeff Klenk

Job Name: Centennial Lane ES

Job Location: 3825 Centennial Lane, Ellicott City MD

21042

Job Number: 13.005

P.O. Number: Not Provided

Date Submitted: 01/18/2019

Date Analyzed: 01/25/2019

Report Date: 01/25/2019

Date Sampled: 01/08/2019 - 01/09/2019

Person Submitting: Jeff Klenk

Revised: 01/28/2019 (Revision #2)

Summary of Drinking Water Analysis for Metals

| AMA Sample Number | Client Sample Number | Sample Collection Information | | Analysis | Sample | Reporting | Final Result | Comments | |
|---|---------------------------|---------------------------------|-----------------|----------|---|--|--------------|----------|--|
| | | Date/Time | Location | Туре | Analyte | Limit | | | |
| Analysis Methods: 200.8 (Rev. 5.4) | Flame AA: APHA SM3111B (1 | 999, 22nd Ed.), Furnace AA: API | HA SM3113B (201 | • | A Sample Collector: Jeff Klenk Certification: | | | | |
| mg/L = Parts Per Million (ppm), N/A = Not Applicable, $\mu g/L$ = Parts Per Billion, N/P = Not Provided | | | | | | All results are to be considered preliminary and subject to change unless signed by the Technical or Deputy. | | | |

Analyst(s): Suphin Chinnapad

Technical Director

Jean-Paul Littleton

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AlHA-LAP, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.