



Charles County Public Schools

P.O. Box 2770
5980 Radio Station Road
La Plata, MD 20646

Attention:

Monday, April 3, 2023

Certificate of Analysis

FINAL

Project Information:

Report for Lab No: 60803.

First Draw samples flushed by Martel Laboratories on November 28, 2022, sampled by Martel on November 29, 2022.

Project Identification: MD HB 270

School: Indian Head Elementary School.

References and Important Notes:

40CFR136=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act.

* Indicates result(s) greater than 5.5 ug/l - regulatory limit for these samples.

Notices:

Chain of Custody Form(s) are attached and are an integral part of this report.
This report will be retained for at least five years and will be disposed of without notice.
Measurement uncertainty for each listed test is available upon request.
The results presented herein relate only to the samples or items tested.
All samples tested were in acceptable condition, unless otherwise noted.


Project Manager



MARTEL NO. 60803 1 CLIENT SAMPLE IDENTIFICATION IHES-1-DC Sample Date/Time 11/29/2022 06:04

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:31 BJ

MARTEL NO. 60803 2 CLIENT SAMPLE IDENTIFICATION IHES-2-FC Sample Date/Time 11/29/2022 06:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.60	ug/l	EPA .200.8	2	03/29/2023 16:39 BJ

MARTEL NO. 60803 3 CLIENT SAMPLE IDENTIFICATION IHES-3-IM Sample Date/Time 11/29/2022 06:07

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:41 BJ

MARTEL NO. 60803 4 CLIENT SAMPLE IDENTIFICATION IHES-4-FC Sample Date/Time 11/29/2022 06:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:44 BJ

MARTEL NO. 60803 5 CLIENT SAMPLE IDENTIFICATION IHES-5-FC Sample Date/Time 11/29/2022 06:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:46 BJ

MARTEL NO. 60803 6 CLIENT SAMPLE IDENTIFICATION IHES-6-FC Sample Date/Time 11/29/2022 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.10	ug/l	EPA .200.8	2	03/29/2023 16:48 BJ

MARTEL NO. 60803 7 CLIENT SAMPLE IDENTIFICATION IHES-7-DC Sample Date/Time 11/29/2022 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:51 BJ

MARTEL NO. 60803 8 CLIENT SAMPLE IDENTIFICATION IHES-8-DC Sample Date/Time 11/29/2022 06:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 16:53 BJ



MARTEL NO. 60803 9 CLIENT SAMPLE IDENTIFICATION IHES-9-FC Sample Date/Time 11/29/2022 06:18

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.69	ug/l	EPA 200.8	2	03/29/2023 16:56 BJ

MARTEL NO. 60803 12 CLIENT SAMPLE IDENTIFICATION IHES-12-FC Sample Date/Time 11/29/2022 06:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	11.0	ug/l*	EPA 200.8	2	03/29/2023 16:58 BJ

MARTEL NO. 60803 13 CLIENT SAMPLE IDENTIFICATION IHES-13-FC Sample Date/Time 11/29/2022 06:19

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.92	ug/l	EPA 200.8	2	03/29/2023 17:08 BJ

MARTEL NO. 60803 14 CLIENT SAMPLE IDENTIFICATION IHES-14-DB Sample Date/Time 11/29/2022 06:19

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:13 BJ

MARTEL NO. 60803 15 CLIENT SAMPLE IDENTIFICATION IHES-15-FC Sample Date/Time 11/29/2022 06:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.02	ug/l	EPA 200.8	2	03/29/2023 17:15 BJ

MARTEL NO. 60803 16 CLIENT SAMPLE IDENTIFICATION IHES-16-DB Sample Date/Time 11/29/2022 06:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:18 BJ

MARTEL NO. 60803 17 CLIENT SAMPLE IDENTIFICATION IHES-17-FC Sample Date/Time 11/29/2022 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:20 BJ

MARTEL NO. 60803 18 CLIENT SAMPLE IDENTIFICATION IHES-18-DC Sample Date/Time 11/29/2022 06:31

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:23 BJ



MARTEL NO. 60803 19 CLIENT SAMPLE IDENTIFICATION IHES-19-FC Sample Date/Time 11/29/2022 06:31

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.63	ug/l*	EPA 200.8	2	03/29/2023 17:25 BJ

MARTEL NO. 60803 20 CLIENT SAMPLE IDENTIFICATION IHES-20-FC Sample Date/Time 11/29/2022 06:34

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.87	ug/l	EPA 200.8	2	03/29/2023 17:28 BJ

MARTEL NO. 60803 21 CLIENT SAMPLE IDENTIFICATION IHES-21-DB Sample Date/Time 11/29/2022 06:34

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:30 BJ

MARTEL NO. 60803 22 CLIENT SAMPLE IDENTIFICATION IHES-22-DC Sample Date/Time 11/29/2022 06:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:33 BJ

MARTEL NO. 60803 23 CLIENT SAMPLE IDENTIFICATION IHES-23-FC Sample Date/Time 11/29/2022 06:48

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.66	ug/l*	EPA 200.8	2	03/29/2023 17:40 BJ

MARTEL NO. 60803 24 CLIENT SAMPLE IDENTIFICATION IHES-24-FC Sample Date/Time 11/29/2022 06:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:48 BJ

MARTEL NO. 60803 28 CLIENT SAMPLE IDENTIFICATION IHES-28-FC Sample Date/Time 11/29/2022 06:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:50 BJ

MARTEL NO. 60803 29 CLIENT SAMPLE IDENTIFICATION IHES-29-FC Sample Date/Time 11/29/2022 06:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:53 BJ



MARTEL NO. 60803 30 CLIENT SAMPLE IDENTIFICATION IHES-30-DB Sample Date/Time 11/29/2022 06:59

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:55 BJ

MARTEL NO. 60803 31 CLIENT SAMPLE IDENTIFICATION IHES-31-FC Sample Date/Time 11/29/2022 07:01

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 17:57 BJ

MARTEL NO. 60803 32 CLIENT SAMPLE IDENTIFICATION IHES-32-FC Sample Date/Time 11/29/2022 07:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:00 BJ

MARTEL NO. 60803 33 CLIENT SAMPLE IDENTIFICATION IHES-33-DB Sample Date/Time 11/29/2022 07:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:02 BJ

MARTEL NO. 60803 34 CLIENT SAMPLE IDENTIFICATION IHES-34-FC Sample Date/Time 11/29/2022 07:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:05 BJ

MARTEL NO. 60803 35 CLIENT SAMPLE IDENTIFICATION IHES-35-DB Sample Date/Time 11/29/2022 06:41

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:07 BJ

MARTEL NO. 60803 36 CLIENT SAMPLE IDENTIFICATION IHES-36-FC Sample Date/Time 11/29/2022 07:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:17 BJ

MARTEL NO. 60803 37 CLIENT SAMPLE IDENTIFICATION IHES-37-FC Sample Date/Time 11/29/2022 06:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	03/29/2023 18:22 BJ



MARTEL NO. 60803 38 CLIENT SAMPLE IDENTIFICATION IHES-38-DB Sample Date/Time 11/29/2022 06:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:25 BJ

MARTEL NO. 60803 39 CLIENT SAMPLE IDENTIFICATION IHES-39-FC Sample Date/Time 11/29/2022 07:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:27 BJ

MARTEL NO. 60803 40 CLIENT SAMPLE IDENTIFICATION IHES-40-DB Sample Date/Time 11/29/2022 07:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:29 BJ

MARTEL NO. 60803 41 CLIENT SAMPLE IDENTIFICATION IHES-41-BU Sample Date/Time 11/29/2022 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:32 BJ

MARTEL NO. 60803 42 CLIENT SAMPLE IDENTIFICATION IHES-42-BU Sample Date/Time 11/29/2022 06:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:34 BJ

MARTEL NO. 60803 2F CLIENT SAMPLE IDENTIFICATION IHES-2F-FC Sample Date/Time 11/29/2022 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:37 BJ

MARTEL NO. 60803 4F CLIENT SAMPLE IDENTIFICATION IHES-4F-FC Sample Date/Time 11/29/2022 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:39 BJ

MARTEL NO. 60803 5F CLIENT SAMPLE IDENTIFICATION IHES-5F-FC Sample Date/Time 11/29/2022 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/29/2023 18:42 BJ



MARTEL NO. 60803	6F	CLIENT SAMPLE IDENTIFICATION IHES-6F-FC			Sample Date/Time 11/29/2022 07:19	
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	03/29/2023 18:49 BJ

MARTEL NO. 60803	17F	CLIENT SAMPLE IDENTIFICATION IHES-17F-FC			Sample Date/Time 11/29/2022 07:26	
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	03/29/2023 18:57 BJ

MARTEL Chain of Custody Record

Martel Laboratories JDS Inc., 1025 Cromwell Bridge Rd., Baltimore, MD 21286, (410) 825-7790, FAX (410) 821-1054, email: martel@martellabs.com

Charles County Public Schools Drinking Water Lead Testing

Bottle Type: 250 ml plastic, preserved with HNO3 Analysis: Lead (EPA 200.8)

Sample Start Date/Time: 11/29/22 6:00AM End Date/Time: 7:26AM 11/29/22

Sampler/Relinquished By: Nour Arnaout Received at Martel by A JM Date/Time: 9:45AM 11/29/22

06 Indian Head Elementary School
4200 Indian Head Highway Indian Head, MD 20640
PSC #08.008 First Draw unless noted
<u>ALL OUTLET WERE FLUSHED THE NIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 6 PM and 10 PM. WHEN SAMPLE TIMES ARE IDENTICAL, SAMPLING WAS PERFORMED IN LAB NUMBER ORDER</u>

11/28/22 Martel NO:

Martel #	Sample #	Location ID #	Fixture Type <small>(Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bibb)</small>	Outlet Key Code	Room/Location	Consumption L or M3	Flush	60803
							Flush Data	Sample Time
1	1	IHES-1-DC	water fountain	DC	passage way	c	6:39	6:04
2	2	IHES-2-FC	sink	FC	Kitchen	c	6:43	6:06
3	3	IHES-3-IM	Ice Machine	IM	Kitchen	c		6:07
4	4	IHES-4-FC	2 comp sink on left	FC	kitchen 2 comp sink	c		6:08
5	5	IHES-5-FC	2 comp sink on right	FC	kitchen 2 comp sink	c		6:08
6	6	IHES-6-FC	Island sink	FC	kitchen island sink	c		6:100
7	7	IHES-7-DC	water fountain	DC	gym	c	6:50	6:26
8	8	IHES-8-DC	water fountain	DC	corridor	c	6:53	6:28
9	9	IHES-9-FC	sink	FC	planning room (Sp-Ed) Pull Out	c	7:00	6:18
10	12	IHES-12-FC	sink	FC	planning room (Sp-Ed) Pull Out	c	7:00	6:20
11	13	IHES-13-FC	sink	FC	corridor	c	7:21	6:19
12	14	IHES-14-DB	bubbler	DB	corridor	c	7:21	6:19
13	15	IHES-15-FC	sink	FC	corridor	c	7:14	6:21
14	16	IHES-16-DB	bubbler	DB	corridor	c	7:14	6:21
15	17	IHES-17-FC	sink	FC	nurse office	c	7:25	6:30
16	18	IHES-18-DC	water fountain	DC	main office	c	7:25	6:31
17	19	IHES-19-FC	sink	FC	office (coffee pot on counter)	c	7:25	6:31
18	20	IHES-20-FC	sink	FC	passage way	c	7:30	6:34
19	21	IHES-21-DB	bubbler	DB	passage way	c		6:34
20	22	IHES-22-DC	water fountain	DC	activity area	c	7:41	6:47..
21	23	IHES-23-FC	sink	FC	K	c		6:48
22	24	IHES-24-FC	sink	FC	K	c	7:45	6:55
23	28	IHES-28-FC	sink	FC	107 pre-K	c	7:48	6:58

~~2 OFF~~

08

06 Indian Head Elementary School

4200 Indian Head Highway Indian Head, MD 20640

PSC #08.008 First Draw unless noted

ALL OUTLET WERE FLUSHED THE NIGHT BEFORE. SAMPLING BETWEEN THE HOURS OF 6 PM and 10 PM. WHEN SAMPLE TIMES ARE IDENTICAL, SAMPLING WAS PERFORMED IN LAB NUMBER ORDER

24	29	IHES-29-FC	sink	FC	107 pre-K	C	7:48	6:58
25	30	IHES-30-DB	bubbler	DB	107 pre-K	C	7:48	6:59
26	31	IHES-31-FC	sink	FC	103 pre-K	C	7:51	7:01
27	32	IHES-32-FC	sink	FC	103 pre-K	C	7:51	7:03
28	33	IHES-33-DB	bubbler	DB	103 pre-K	C	7:51	7:03
29	34	IHES-34-FC	sink	FC	corridor	C	7:56	7:05
30	35	IHES-35-DB	bubbler	DB	corridor	C	7:56	6:41
31	36	IHES-36-FC	sink	FC	Faculty Teacher lounge	C	8:00	7:12
32	37	IHES-37-FC	sink	FC	Kindergarten Room	C	8:02	6:55
33	38	IHES-38-DB	bubbler	DB	Kindergarten Room	C	8:02	6:55
34	39	IHES-39-FC	sink	FC	Trailer 4B Pre-K - See map	C	8:03	7:08
35	40	IHES-40-DB	bubbler	DB	Trailer 4B Pre-K - See map	C	8:03	7:08
36	41	IHES-41-BU	Bottler Filler	BU	Gym	C	8:09	6:26
37	42	IHES-42-BU	Bottler Filler	BU	Café	C	8:06	6:28
38	2F	IHES-2F-FC	sink	FC	Kitchen	C	X	7:16 <small>Push before sample</small>
39	4F	IHES-4F-FC	2 comp sink on left	FC	kitchen 2 comp sink	C	X	7:16 <small>Push before sample</small>
40	5F	IHES-5F-FC	2 comp sink on right	FC	kitchen 2 comp sink	C	X	7:16 <small>Push before sample</small>
41	6F	IHES-6F-FC	Island sink	FC	kitchen island sink	C	X	7:19 <small>Push before sample</small>
42	17F	IHES-17F-FC	sink	FC	nurse office	C	X	7:26 <small>Push before sample</small>