

November 30, 2023

Mr. Alex Winn
Columbia Heights Public Schools
1400 49th Ave NE
Columbia Heights, MN 55421



**RE: District-wide
2023 Lead-in-Water First Draw – Initial Testing
IEA Project #202310624**

Dear Mr. Alex Winn:

At the request of Columbia Heights Public Schools, IEA collected 332 water samples from identified potable water sources on October 10, 2023, for lead analyses from the following buildings:

- Columbia Academy40 samples
- Columbia Heights High School102 samples
- Highland Elementary.....65 samples
- North Park Elementary.....51 samples
- Valley View Elementary.....74 samples

The purpose of the sampling is to document lead content in the sampled locations.

INTRODUCTION

Minnesota Statute 121A.335 requires public school buildings serving pre-kindergarten through grade 12 to test for lead in potable water fixtures every five years. The *3Ts for Reducing Lead in Drinking Water Toolkit (2018)* and the Lead Contamination Control Act (LCCA) of 1988 were created by the Environmental Protection Agency (EPA) to identify and reduce lead in drinking water. Lead is a metal that usually enters drinking water through the distribution system, including pipes, solders, faucets, and valves. Lead content in water may increase when the water is allowed to sit undisturbed in the system. Exposure to lead is a health concern.

The EPA recommends taking action when elevated lead levels are noted in water fixtures. At the time of testing, MDH and MDE recommend taking a fixture out of service if levels are 20 parts per billion (ppb) or higher. Legislation taking affect July 1, 2024 requires removing a fixture from service and taking action for levels 5 parts per billion (ppb) or higher. The MDH and MDE also recommend taking action according to their guidelines for fixtures with levels of 2 parts per billion (ppb) or higher.

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5525 Emerald Avenue
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METHODOLOGY

IEA collected 332 first draw (unless otherwise noted) samples of approximately 250 milliliters (ml) of water. “First draw” means the samples are collected before the fixture is used or flushed during the day. The first-draw sample results reflect a worst-case scenario, i.e., the highest lead level that would be consumed by building occupants. MDH recommends fixtures not be used 6 to 18 hours prior to sampling fixtures.

Water samples were analyzed by Minnesota Valley Testing Laboratories (MVTl) in New Ulm, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

RESULTS & DISCUSSION

The table below shows the lead level result ranges in each building in Columbia Heights Public Schools. See *Table 1: Lead-in-Water Ranges in Schools*. Lead levels ranged from below the level of detection (<0.5 ppb) to 791 ppb.

Table 1: Lead-in-Water Ranges in Schools

Building	Lowest (ppb)	Highest (ppb)
North Park Elementary	<0.5	25.4
Valley View Elementary	<0.5	39
Highland Elementary	<0.5	791
Columbia Academy	<0.5	31.9
Columbia Heights High School	<0.5	83.7

ppb – parts per billion

There are 7 sample results greater than 20 ppb as referenced in the following *Table 2: Lead-in-Water Testing Results Exceeding 20 ppb*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to ppb. Maps are located in Appendix B.

Table 2: Lead-in-Water Testing Results Exceeding 20 ppb – October 12, 2023

Building	Sample Number	Sample Location	Fixture Type	Lead Results (ppb)
Columbia Heights High School	10112023CHS-02	HS13	Main Line	22.3
Columbia Heights High School	10112023CHS-101	HS125 Office C	Sink	83.7
Columbia Academy	10102023CA-14	Room 109J	Sink	31.9
Highland Elementary School	10122023HES-61	Room 212	Sink	27.7
Highland Elementary School	10122023HES-01	Boiler Room	Main Line	791
Valley View Elementary School	10102023VV-19	Room 105	Sink	39.0
North Park Elementary	10122023NP-13	Room 216	Drinking Fountain	25.4

ppb – parts per billion

There are 21 sample results between 5 ppb and 20 ppb. Currently, MDH recommends reducing the lead content in school drinking water below 5 ppb. After July 1, 2024 MDH will require reducing the lead content in school drinking water below 5 ppb. See *Table 3: Water Testing Results Ranging from 5 ppb to 20 ppb*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to ppb. Maps are located in Appendix B.

Table 3: Lead-in-Water Testing Results Ranging from 5 ppb to 20 ppb – October 12, 2023

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Heights High School	10112023CHS-32	Hallway next to East Gyms	Sink	11.5
Columbia Academy	10102023CA-01	Boiler Room	Main Line	6.81
Columbia Academy	10102023CA-24	Room 146A	Sink	8.53
Columbia Academy	10102023CA-09	Room 141	Sink	10.0
Highland Elementary School	10122023HES-51	Room 207	Sink	5.67
Highland Elementary School	10122023HES-04	Kitchen	Steam Kettle	6.13
Highland Elementary School	10122023HES-62	Room 212	Drinking Fountain	6.97
Highland Elementary School	10122023HES-25	Room 7	Drinking Fountain	14.8
Valley View Elementary School	10102023VV-64	Room 208	Sink	5.14
Valley View Elementary School	10102023VV-66	Room 209	Sink	6.74
Valley View Elementary School	10102023VV-17	Room 115	Sink	6.95
Valley View Elementary School	10102023VV-55	Room 203	Drinking Fountain	8.31
Valley View Elementary School	10102023VV-50	Room 201	Sink	8.32
Valley View Elementary School	10102023VV-51	Room 201	Drinking Fountain	12.9
North Park Elementary	10122023NP-21	Room 204	Drinking Fountain	5.45
North Park Elementary	10122023NP-22	Room 203	South Sink	5.94
North Park Elementary	10122023NP-26	Room 201	Sink	6.46
North Park Elementary	10122023NP-36	Kitchen	Sink	6.82
North Park Elementary	10122023NP-24	Room 203	North Sink	7.21
North Park Elementary	10122023NP-20	Room 204	Sink	7.43
North Park Elementary	10122023NP-55	Boiler Room	Main Line	15.4

ppb – parts per billion

There are 304 sample results between <0.5 ppb and 5 ppb. See *Table 4: Water Testing Results Ranging from <0.5ppb to 5ppb*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to ppb. Maps are located in Appendix B.

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Heights High School	10112023CHS-01	Football Team	Outdoor Spigot	<0.5
Columbia Heights High School	10112023CHS-06	Kitchen East	Sprayer	<0.5
Columbia Heights High School	10112023CHS-08	Cafeteria	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-09	Cafeteria	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-100	HS125 Office B	Hot Water Dispenser	<0.5
Columbia Heights High School	10112023CHS-102	HS125 Office C	Hot Water Dispenser	<0.5
Columbia Heights High School	10112023CHS-106	Kitchen	Title Skillet	<0.5
Columbia Heights High School	10112023CHS-107	Kitchen East	Steam Kettle	<0.5
Columbia Heights High School	10112023CHS-108	Kitchen West	Steam Kettle	<0.5
Columbia Heights High School	10112023CHS-11	Hallway outside of HS13 - North	Water Cooler	<0.5

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Heights High School	10112023CHS-12	Hallway outside of HS13 - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-17	Hallway by West Gyms - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-18	Hallway by West Gyms - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-19	Hallway outside of HC40 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-20	Hallway outside of HC40 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-21	Hallway outside of HC40 - East	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-22	Hallway across from HC47 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-23	Hallway across from HC47 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-24	Hallway across from HC69 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-25	Hallway across from HC69 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-26	Hallway outside of HC55 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-27	Hallway outside of HC55 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-28	Hallway outside of HC61 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-29	Hallway outside of HC61 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-30	Hallway outside of HC61 - East	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-33	Main Floor Pool Hallway	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-34	Main Floor Pool Hallway	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-35	Hallway across from HS190 - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-36	Hallway across from HS190 - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-37	Hallway across from HS190 - South	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-40	Hallway next to Main Office - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-41	Hallway next to Main Office - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-42	Hallway next to Main Office - South	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-43	Hallway outside of HS150 - West	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-44	Hallway outside of HS150 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-45	Hallway outside of HS150 - East	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-46	Hallway near HS135 - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-47	Hallway near HS135 - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-48	Hallway near HS135 - South	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-49	Room HS135	Sink	<0.5
Columbia Heights High School	10112023CHS-50	Room HS 137 - Northeast	Sink	<0.5
Columbia Heights High School	10112023CHS-51	Room HS 137 - Northeast Center	Sink	<0.5
Columbia Heights High School	10112023CHS-57	Room HS 137 - Northwest	Sink	<0.5
Columbia Heights High School	10112023CHS-59	Room DO102	Hot Water Dispenser	<0.5
Columbia Heights High School	10112023CHS-60	Room FC100	Sink	<0.5
Columbia Heights High School	10112023CHS-62	Room FC102	Sink	<0.5
Columbia Heights High School	10112023CHS-64	Room FC103	Sink	<0.5
Columbia Heights High School	10112023CHS-65	Room FC103	Drinking Fountain	<0.5
Columbia Heights High School	10112023CHS-66	Room FC104	Sink	<0.5

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Heights High School	10112023CHS-68	Room FC105	Sink	<0.5
Columbia Heights High School	10112023CHS-71	Hallway outside of 107 & 108 - East	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-72	Hallway outside of 107 & 108 - East	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-73	Family Center Health Office	Sink	<0.5
Columbia Heights High School	10112023CHS-74	Family Center Health Office Restroom	Sink	<0.5
Columbia Heights High School	10112023CHS-75	Room FC112	Sink	<0.5
Columbia Heights High School	10112023CHS-76	Room FC112	Drinking Fountain	<0.5
Columbia Heights High School	10112023CHS-77	Room F114/F116 North	Sink	<0.5
Columbia Heights High School	10112023CHS-79	Room F114/F116 South	Sink	<0.5
Columbia Heights High School	10112023CHS-82	Room FC115	Drinking Fountain	<0.5
Columbia Heights High School	10112023CHS-83	Room FC115 East	Sink	<0.5
Columbia Heights High School	10112023CHS-85	Room FC119	Drinking Fountain	<0.5
Columbia Heights High School	10112023CHS-86	Room FC119 East	Sink	<0.5
Columbia Heights High School	10112023CHS-87	Hallway across from HS288 - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-88	Hallway across from HS288 - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-91	Hallway across from HS215 - North	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-92	Hallway across from HS215 - South	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-93	Hallway across from HS215 - South	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-94	Hallway next to DO226	Water Cooler	<0.5
Columbia Heights High School	10112023CHS-95	Hallway next to DO226	Water Bottle Filler	<0.5
Columbia Heights High School	10112023CHS-96	Room DO217	Hot Water Dispenser	<0.5
Columbia Heights High School	10112023CHS-98	Hallway across from DO204	Hot Water Dispenser	<0.5
Columbia Heights High School	10112023CHS-105	HS125 Health Office	Sink	0.51
Columbia Heights High School	10112023CHS-67	Room FC104	Drinking Fountain	0.51
Columbia Heights High School	10112023CHS-55	Room HS 137 - Southwest	Sink	0.58
Columbia Heights High School	10112023CHS-13	Hallway outside of HS 89	Water Cooler	0.59
Columbia Heights High School	10112023CHS-99	HS125 Office B	Sink	0.59
Columbia Heights High School	10112023CHS-04	Kitchen East	Sink	0.65
Columbia Heights High School	10112023CHS-63	Room FC102	Drinking Fountain	0.66
Columbia Heights High School	10112023CHS-111	Room FC111	Sink	0.79
Columbia Heights High School	10112023CHS-52	Room HS 137 - Southeast Center	Sink	0.79
Columbia Heights High School	10112023CHS-97	Room DO217	Sink	0.84
Columbia Heights High School	10112023CHS-81	Room FC115 West	Sink	0.97
Columbia Heights High School	10112023CHS-103	HS125 Office P	Sink	0.99
Columbia Heights High School	10112023CHS-07	Cafeteria	Sink	1.01
Columbia Heights High School	10112023CHS-69	Room FC105	Drinking Fountain	1.03
Columbia Heights High School	10112023CHS-61	Room FC100	Drinking Fountain	1.09
Columbia Heights High School	10112023CHS-03	Kitchen West	Sink	1.13

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Heights High School	10112023CHS-58	Room DO102	Sink	1.18
Columbia Heights High School	10112023CHS-84	Room FC119 West	Sink	1.33
Columbia Heights High School	10112023CHS-56	Room HS 137 - West	Sink	1.53
Columbia Heights High School	10112023CHS-38	Room HS194	Sink	1.54
Columbia Heights High School	10112023CHS-54	Room HS 137 - South	Sink	1.60
Columbia Heights High School	10112023CHS-110	Family Center Health Office	Drinking Fountain	2.13
Columbia Heights High School	10112023CHS-31	Room HC54	Sink	2.21
Columbia Heights High School	10112023CHS-39	Hallway across from HS115	Water Cooler	2.23
Columbia Heights High School	10112023CHS-53	Room HS 137 - Southeast	Sink	2.56
Columbia Heights High School	10112023CHS-05	Kitchen West	Sprayer	2.84
Columbia Heights High School	10112023CHS-109	Room FC111	Drinking Fountain	3.03
Columbia Heights High School	10112023CHS-90	Hallway across from HS207	Water Cooler	3.62
Columbia Academy	10102023CA-04	Kitchen	Sink	<0.5
Columbia Academy	10102023CA-05	Kitchen	Sprayer	<0.5
Columbia Academy	10102023CA-06	Hallway across from 131	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-07	Cafeteria	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-11	Hallway outside of 103 East	Water Cooler	<0.5
Columbia Academy	10102023CA-12	Hallway outside of 103	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-20	Room 110	Water Dispenser	<0.5
Columbia Academy	10102023CA-21	Room 118 D	Sink	<0.5
Columbia Academy	10102023CA-23	Room 118 C	Sink	<0.5
Columbia Academy	10102023CA-25	Hallway next to 144A	Water Cooler	<0.5
Columbia Academy	10102023CA-26	Hallway next to 144B	Water Cooler	<0.5
Columbia Academy	10102023CA-27	Hallway next to 144B	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-31	Hallway outside of 203	Water Cooler	<0.5
Columbia Academy	10102023CA-32	Hallway outside of 203	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-33	Hallway outside of 219	Water Cooler	<0.5
Columbia Academy	10102023CA-35	Girls Locker Room - West	Water Cooler	<0.5
Columbia Academy	10102023CA-36	Girls Locker Room - East	Water Cooler	<0.5
Columbia Academy	10102023CA-37	Boys Locker Room - West	Water Cooler	<0.5
Columbia Academy	10102023CA-38	Boys Locker Room - East	Water Cooler	<0.5
Columbia Academy	10102023CA-45	Cafeteria	Water Cooler	<0.5
Columbia Academy	10102023CA-46	Hallway across from 131	Water Cooler	<0.5
Columbia Academy	10102023CA-47	Hallway outside of 103 West	Water Cooler	<0.5
Columbia Academy	10102023CA-48	Room 109L	Sink	<0.5
Columbia Academy	10102023CA-49	Hallway next to 144B East	Water Cooler	<0.5
Columbia Academy	10102023CA-50	Girl's Locker Room	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-51	Boy's Locker Room	Water Bottle Filler	<0.5
Columbia Academy	10102023CA-52	Hallway outside of 203 East	Water Cooler	<0.5

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Columbia Academy	10102023CA-19	Room 110 West	Sink	0.50
Columbia Academy	10102023CA-03	Kitchen South	Steam Kettle	0.55
Columbia Academy	10102023CA-22	Room 118 B	Sink	0.63
Columbia Academy	10102023CA-16	Room 117	Sink	0.68
Columbia Academy	10102023CA-13	Room 109K	Sink	0.98
Columbia Academy	10102023CA-08	Room 140	Sink	1.53
Columbia Academy	10102023CA-34	Room 1A Locker Room	Sink	1.75
Columbia Academy	10102023CA-18	Room 110 East	Sink	2.34
Columbia Academy	10102023CA-15	Room 109C	Sink	4.32
Highland Elementary School	10122023HES-03	Kitchen	Sprayer	<0.5
Highland Elementary School	10122023HES-05	Cafeteria	Water Cooler	<0.5
Highland Elementary School	10122023HES-06	Cafeteria	Water Bottle Filler	<0.5
Highland Elementary School	10122023HES-07	Hallway outside of Cafeteria - North	Water Cooler	<0.5
Highland Elementary School	10122023HES-08	Hallway outside of Cafeteria - North	Water Bottle Filler	<0.5
Highland Elementary School	10122023HES-09	Hallway outside of Cafeteria - South	Water Cooler	<0.5
Highland Elementary School	10122023HES-10	Hallway outside of Main Office	Water Cooler	<0.5
Highland Elementary School	10122023HES-11	Hallway outside of Main Office	Water Bottle Filler	<0.5
Highland Elementary School	10122023HES-12	Room 110B	Hot Water Dispenser	<0.5
Highland Elementary School	10122023HES-21	Room 5	Drinking Fountain	<0.5
Highland Elementary School	10122023HES-29	Room 9	Drinking Fountain	<0.5
Highland Elementary School	10122023HES-35	Room 13	Sink	<0.5
Highland Elementary School	10122023HES-36	Room 14	Sink	<0.5
Highland Elementary School	10122023HES-37	Room 15	Sink	<0.5
Highland Elementary School	10122023HES-38	Room 16	Sink	<0.5
Highland Elementary School	10122023HES-39	Room 17	Sink	<0.5
Highland Elementary School	10122023HES-40	Hallway outside of Room 13 & 15	Water Cooler	<0.5
Highland Elementary School	10122023HES-46	Room 204	Drinking Fountain	<0.5
Highland Elementary School	10122023HES-58	Room 210	Drinking Fountain	<0.5
Highland Elementary School	10122023HES-63	Hallway next to 201 - North	Water Cooler	<0.5
Highland Elementary School	10122023HES-64	Hallway next to 201 - North	Water Bottle Filler	<0.5
Highland Elementary School	10122023HES-65	Hallway next to 201 - South	Water Cooler	<0.5
Highland Elementary School	10122023HES-56	Room 209	Drinking Fountain	0.50
Highland Elementary School	10122023HES-48	Room 205	Drinking Fountain	0.52
Highland Elementary School	10122023HES-52	Room 207	Drinking Fountain	0.53
Highland Elementary School	10122023HES-30	Room 10	Sink	0.57
Highland Elementary School	10122023HES-57	Room 210	Sink	0.59
Highland Elementary School	10122023HES-67	Room 202	Sink	0.60
Highland Elementary School	10122023HES-54	Room 208	Drinking Fountain	0.62
Highland Elementary School	10122023HES-14	Room 110C	Sink	0.63

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Highland Elementary School	10122023HES-27	Room 8	Drinking Fountain	0.67
Highland Elementary School	10122023HES-32	Room 11	Sink	0.73
Highland Elementary School	10122023HES-26	Room 8	Sink	0.76
Highland Elementary School	10122023HES-59	Room 211	Sink	0.76
Highland Elementary School	10122023HES-19	Room 3	Sink	0.84
Highland Elementary School	10122023HES-02	Kitchen	Sink	0.86
Highland Elementary School	10122023HES-17	Room 2B	Sink	0.87
Highland Elementary School	10122023HES-33	Room 11	Drinking Fountain	0.88
Highland Elementary School	10122023HES-66	Room 202	Drinking Fountain	0.91
Highland Elementary School	10122023HES-60	Room 211	Drinking Fountain	1.05
Highland Elementary School	10122023HES-28	Room 9	Sink	1.21
Highland Elementary School	10122023HES-20	Room 5	Sink	1.31
Highland Elementary School	10122023HES-34	Room 12	Sink	1.42
Highland Elementary School	10122023HES-44	Room 203	Drinking Fountain	1.50
Highland Elementary School	10122023HES-47	Room 205	Sink	1.50
Highland Elementary School	10122023HES-13	Room 110B	Sink	1.55
Highland Elementary School	10122023HES-53	Room 208	Sink	1.60
Highland Elementary School	10122023HES-18	Room 1	Sink	1.62
Highland Elementary School	10122023HES-15	Room 110C Restroom	Sink	1.64
Highland Elementary School	10122023HES-45	Room 204	Sink	1.72
Highland Elementary School	10122023HES-42	Room 201	Sink	1.86
Highland Elementary School	10122023HES-43	Room 203	Sink	1.89
Highland Elementary School	10122023HES-16	Room 105	Sink	1.90
Highland Elementary School	10122023HES-50	Room 206	Drinking Fountain	2.03
Highland Elementary School	10122023HES-55	Room 209	Sink	2.59
Highland Elementary School	10122023HES-23	Room 6	Drinking Fountain	3.63
Highland Elementary School	10122023HES-24	Room 7	Sink	3.80
Highland Elementary School	10122023HES-49	Room 206	Sink	4.79
Highland Elementary School	10122023HES-22	Room 6	Sink	4.89
Valley View Elementary School	10102023VV-03	Kitchen	Tilt Skillet	<0.5
Valley View Elementary School	10102023VV-04	Cafeteria	Water Bottle Filler	<0.5
Valley View Elementary School	10102023VV-05	Cafeteria	Water Cooler	<0.5
Valley View Elementary School	10102023VV-06	Hallway next to Cafeteria North	Water Cooler	<0.5
Valley View Elementary School	10102023VV-07	Hallway next to Cafeteria North	Water Bottle Filler	<0.5
Valley View Elementary School	10102023VV-08	Hallway next to Cafeteria South	Water Cooler	<0.5
Valley View Elementary School	10102023VV-09	Room 102	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-13	Room 110B	Hot Water Dispenser	<0.5
Valley View Elementary School	10102023VV-14	Room 110C	Sink	<0.5
Valley View Elementary School	10102023VV-16	Room 116	Sink	<0.5

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Valley View Elementary School	10102023VV-21	Room 6	Sink	<0.5
Valley View Elementary School	10102023VV-37	Room 9	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-40	Room 13	Sink	<0.5
Valley View Elementary School	10102023VV-41	Room 14	Sink	<0.5
Valley View Elementary School	10102023VV-42	Room 15	Sink	<0.5
Valley View Elementary School	10102023VV-43	Room 16	Sink	<0.5
Valley View Elementary School	10102023VV-44	Room 17	Sink	<0.5
Valley View Elementary School	10102023VV-45	Room 18	Sink	<0.5
Valley View Elementary School	10102023VV-46	Hallway outside of 14 & 16	Water Cooler	<0.5
Valley View Elementary School	10102023VV-47	Hallway next to 200 - North	Water Cooler	<0.5
Valley View Elementary School	10102023VV-48	Hallway next to 200 - North	Water Bottle Filler	<0.5
Valley View Elementary School	10102023VV-49	Hallway next to 200 - South	Water Cooler	<0.5
Valley View Elementary School	10102023VV-52	Room 202	Sink	<0.5
Valley View Elementary School	10102023VV-57	Room 204	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-59	Room 205	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-61	Room 206	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-62	Room 207	Sink	<0.5
Valley View Elementary School	10102023VV-71	Room 211	Drinking Fountain	<0.5
Valley View Elementary School	10102023VV-72	Room 117	Sink	<0.5
Valley View Elementary School	10102023VV-68	Room 210	Sink	0.51
Valley View Elementary School	10102023VV-73	Room 200	Drinking Fountain	0.53
Valley View Elementary School	10102023VV-65	Room 208	Drinking Fountain	0.60
Valley View Elementary School	10102023VV-70	Room 211	Sink	0.61
Valley View Elementary School	10102023VV-58	Room 205	Sink	0.66
Valley View Elementary School	10102023VV-12	Room 110B	Sink	0.75
Valley View Elementary School	10102023VV-27	Room 12	Drinking Fountain	0.77
Valley View Elementary School	10102023VV-15	Room 110C Restroom	Sink	0.82
Valley View Elementary School	10102023VV-20	Room 2B	Sink	0.92
Valley View Elementary School	10102023VV-23	Room 8	Drinking Fountain	1.00
Valley View Elementary School	10102023VV-02	Kitchen	Sprayer	1.04
Valley View Elementary School	10102023VV-69	Room 210	Drinking Fountain	1.14
Valley View Elementary School	10102023VV-28	Room 1	Sink	1.16
Valley View Elementary School	10102023VV-39	Room 11	Drinking Fountain	1.17
Valley View Elementary School	10102023VV-18	Room 113	Sink	1.19
Valley View Elementary School	10102023VV-01	Boiler Room	Main Line	1.24
Valley View Elementary School	10102023VV-30	Room 3	Sink	1.42
Valley View Elementary School	10102023VV-35	Room 7	Drinking Fountain	1.47
Valley View Elementary School	10102023VV-10	Room 100	Sink	1.50
Valley View Elementary School	10102023VV-54	Room 203	Sink	1.63

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
Valley View Elementary School	10102023VV-11	Hallway outside Main Office	Water Cooler	1.82
Valley View Elementary School	10102023VV-29	Room 1	Drinking Fountain	1.86
Valley View Elementary School	10102023VV-32	Room 5	Sink	1.86
Valley View Elementary School	10102023VV-22	Room 8	Sink	1.91
Valley View Elementary School	10102023VV-33	Room 5	Drinking Fountain	1.97
Valley View Elementary School	10102023VV-38	Room 11	Sink	2.03
Valley View Elementary School	10102023VV-63	Room 207	Drinking Fountain	2.12
Valley View Elementary School	10102023VV-53	Room 202	Drinking Fountain	2.21
Valley View Elementary School	10102023VV-74	Room 200	Sink	2.35
Valley View Elementary School	10102023VV-25	Room 10	Drinking Fountain	2.46
Valley View Elementary School	10102023VV-36	Room 9	Sink	2.64
Valley View Elementary School	10102023VV-26	Room 12	Sink	3.07
Valley View Elementary School	10102023VV-34	Room 7	Sink	3.24
Valley View Elementary School	10102023VV-60	Room 206	Sink	3.36
Valley View Elementary School	10102023VV-31	Room 3	Drinking Fountain	3.50
Valley View Elementary School	10102023VV-24	Room 10	Sink	3.58
Valley View Elementary School	10102023VV-56	Room 204	Sink	3.72
Valley View Elementary School	10102023VV-67	Room 209	Drinking Fountain	3.93
North Park Elementary	10122023NP-15	Hallway Next to Library East	Water Cooler	<0.5
North Park Elementary	10122023NP-16	Hallway Next to Library	Water Bottle Filler	<0.5
North Park Elementary	10122023NP-17	Hallway Next to Library West	Water Cooler	<0.5
North Park Elementary	10122023NP-28	Hallway outside of 227 East	Water Cooler	<0.5
North Park Elementary	10122023NP-29	Hallway outside of 227 East	Water Bottle Filler	<0.5
North Park Elementary	10122023NP-30	Hallway outside of 227 West	Water Cooler	<0.5
North Park Elementary	10122023NP-31	Cafeteria	Drinking Fountain	<0.5
North Park Elementary	10122023NP-32	Cafeteria	Water Bottle Filler	<0.5
North Park Elementary	10122023NP-34	Room 126	Hot Water Dispenser	<0.5
North Park Elementary	10122023NP-39	Health Office	Sink	<0.5
North Park Elementary	10122023NP-40	Health Office Restroom	Sink	<0.5
North Park Elementary	10122023NP-41	Hallway outside of 112 East	Water Cooler	<0.5
North Park Elementary	10122023NP-42	Hallway outside of 112 West	Water Cooler	<0.5
North Park Elementary	10122023NP-43	Hallway outside of 112 West	Water Bottle Filler	<0.5
North Park Elementary	10122023NP-47	Room 118	Sink	<0.5
North Park Elementary	10122023NP-48	Room 118	Drinking Fountain	<0.5
North Park Elementary	10122023NP-52	Room 120	Drinking Fountain	<0.5
North Park Elementary	10122023NP-49	Room 119	Sink	0.52
North Park Elementary	10122023NP-02	Room 234	Drinking Fountain	0.56
North Park Elementary	10122023NP-38	Room 101B	Sink	0.66
North Park Elementary	10122023NP-44	Room 112	Sink	0.67

Table 4: Lead-in-Water Testing Results Ranging from <0.5 ppb to 5 ppb – October 12, 2023 (cont'd)

Building	Sample Number	Sample Location	Fixture Type	Lead Test Results (ppb)
North Park Elementary	10122023NP-18	Library	Sink	0.68
North Park Elementary	10122023NP-53	Room 121	Sink	0.73
North Park Elementary	10122023NP-05	Room 232	Drinking Fountain	0.77
North Park Elementary	10122023NP-01	Room 234	Sink	0.84
North Park Elementary	10122023NP-19	Room 209A	Sink	0.84
North Park Elementary	10122023NP-10	Room 217	Sink	0.87
North Park Elementary	10122023NP-03	Room 232B	Sink	0.89
North Park Elementary	10122023NP-11	Room 217	Drinking Fountain	0.95
North Park Elementary	10122023NP-51	Room 120	Sink	1.00
North Park Elementary	10122023NP-33	Room 126	Sink	1.07
North Park Elementary	10122023NP-04	Room 232	Sink	1.08
North Park Elementary	10122023NP-45	Room 117	Sink	1.17
North Park Elementary	10122023NP-46	Room 117	Drinking Fountain	1.65
North Park Elementary	10122023NP-37	Kitchen	Steam Kettle	2.24
North Park Elementary	10122023NP-06	Room 220	Sink	3.09
North Park Elementary	10122023NP-23	Room 203	South Drinking Fountain	3.22
North Park Elementary	10122023NP-27	Room 201	Drinking Fountain	3.69
North Park Elementary	10122023NP-08	Room 219	Sink	3.86
North Park Elementary	10122023NP-14	Room 218	Sink	3.87
North Park Elementary	10122023NP-07	Room 220	Drinking Fountain	4.20
North Park Elementary	10122023NP-25	Room 203	North Drinking Fountain	4.49
North Park Elementary	10122023NP-12	Room 216	Sink	4.86

ppb – parts per billion

RECOMMENDATIONS

IEA recommends implementing one of the following treatment options for fixtures with elevated lead content. Fixtures should be retested after remediation to verify lead content reduction.

- The fixture should be removed from service by disconnecting it from the water supply and/or posting signs that the water is not potable and notify staff accordingly.
- Bottled water should be provided to occupants which meets FDA and state standards. A written statement from the bottled water distributor guaranteeing the standards are met should be filed with the district.
- Lead pipes on the property and district portion of the service line should be replaced.
- The plumbing system should be reconfigured to redirect the water to bypass any known sources of lead contamination.
- The fixture should be replaced with a "lead-free" fixture certified to NSF/ANSI 372 or NSF/ANSI 61-G. The *Reduction of Lead in Drinking Water Act* redefines "lead-free" as "not more than a weighted average of 0.25% lead when used with respect to wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures." Effective January 4, 2014, drinking water system components sold or installed must adhere to this new requirement.

- A drinking water treatment unit certified to NSF/ANSI 53 or NSF/ANSI 42 for lead reduction should be installed.
- Flush testing should be conducted in accordance with MDH, MDE, and EPA guidelines to determine if flushing will reduce lead content. If results indicate that flushing will reduce lead to acceptable levels:
 - A flushing program should be implemented which includes documentation of daily flushing and periodic program review.
 - It should be noted that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. The plumbing components should be replaced to ensure any repair or replacement is done using only “lead-free” solder can address high lead levels.
 - Existing wires in the building that could be grounded to lead piping should be checked, since the electrical current produced may accelerate the corrosion of the pipes. The wires could also be checked to find an alternative grounding system.

In addition, the MDH recommends labeling any water fixtures not included in the sampling program, including bathroom taps, hose bibbs, laboratory faucets/sinks, or custodial closet sinks.

If the school receives its water from a Community Public Water Supply, such as a municipal water supply, MDH encourages the school to work with them to assess the source contribution of lead coming into the school.

It is recommended that a copy of the district's Lead in Water Testing Report be made available to staff and the public through the district's administrative offices. Per Minnesota Statutes, section 121A.335, a school district that has tested its buildings for the presence of lead shall make the results of the testing available to the public for review and must notify parents of the availability of the information.

GENERAL CONDITIONS

The analysis and opinions expressed in this report are based upon data obtained from Columbia Heights Public Schools at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

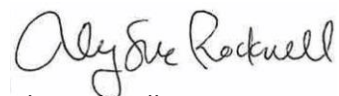
The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental, health and safety practices. Other than as provided in the preceding sentence and in our Proposal #11370 dated June 5, 2023, regarding lead-in-water sampling at Columbia Heights Public Schools, including the General Conditions attached thereto, no warranties are extended or made.

Please contact IEA if you would like assistance with any of the above recommendations or have questions regarding this report.

Sincerely,

IEA, Inc.

Reviewed by:



Aly Rockwell
EHS Account Manager



Mary Ferran, CSP
EHS Division Manager

AR/wb 113023

Enc.

Appendix A

Laboratory Testing Report

**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
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1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com



Workorder: Columbia Academy (31174)
Account #: 2190
Project #: 202310624

Client: Institute for Environmental Assessment (IEA)
PO: 202310624

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Report Date: Thursday, November 2, 2023 3:48:24 PM

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**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31174001 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-01 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: boiler room main line

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.81	ug/L	15	EPA 200.8	11/01/2023 19:41	

Lab ID: 31174002 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-03 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen south steam kettle

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.55	ug/L	15	EPA 200.8	11/01/2023 19:46	

Lab ID: 31174003 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-04 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:47	

Lab ID: 31174004 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-05 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:48	

Lab ID: 31174005 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-06 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from 131 wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:49	

Lab ID: 31174006 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-07 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: cafeteria wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:50	

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**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31174007 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-08 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 140 snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.53	ug/L	15	EPA 200.8	11/01/2023 19:51	

Lab ID: 31174008 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-09 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 141 snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	10.0	ug/L	15	EPA 200.8	11/01/2023 20:00	

Lab ID: 31174009 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-11 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 103 wc east

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:01	

Lab ID: 31174010 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-12 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 103 wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:02	

Lab ID: 31174011 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-13 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 109k snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.98	ug/L	15	EPA 200.8	11/01/2023 20:03	

Lab ID: 31174012 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-14 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 109j snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	31.9	ug/L	15	EPA 200.8	11/01/2023 19:43	

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31174013	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-15	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 109c snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.32	ug/L	15	EPA 200.8	11/01/2023 20:04	

Lab ID:	31174014	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-16	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 117 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.68	ug/L	15	EPA 200.8	11/01/2023 20:05	

Lab ID:	31174015	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-18	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 110 east snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.34	ug/L	15	EPA 200.8	11/01/2023 20:06	

Lab ID:	31174016	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-19	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 110 west snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.50	ug/L	15	EPA 200.8	11/01/2023 20:07	

Lab ID:	31174017	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-20	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 110 water dispenser					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:08	

Lab ID:	31174018	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-21	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room 118 d snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:09	

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**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31174019 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-22 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 118 b snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.63	ug/L	15	EPA 200.8	11/01/2023 20:17	

Lab ID: 31174020 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-23 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 118 c snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:18	

Lab ID: 31174021 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-24 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 146a snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	8.53	ug/L	15	EPA 200.8	11/01/2023 20:20	

Lab ID: 31174022 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-25 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway next to 144a wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 20:21	

Lab ID: 31174023 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-26 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway next to 144b wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:31	

Lab ID: 31174024 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-27 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway next to 144b wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:32	

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Report Date: Thursday, November 2, 2023 3:48:24 PM

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www.MVTL.com

**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31174025 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-31 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 203 wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:34	

Lab ID: 31174026 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-32 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 203 wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:36	

Lab ID: 31174027 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-33 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 219 wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:37	

Lab ID: 31174028 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-34 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 1a locker room snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.75	ug/L	15	EPA 200.8	10/20/2023 19:39	

Lab ID: 31174029 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-35 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: girls locker room west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:41	

Lab ID: 31174030 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-36 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: girls locker room east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:42	

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**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31174031 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-37 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: boys locker room west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:55	

Lab ID: 31174032 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-38 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: boys locker room east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:57	

Lab ID: 31174033 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-45 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: cafeteria wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 19:59	

Lab ID: 31174034 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-46 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from 131 wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:00	

Lab ID: 31174035 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-47 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of 103 wc west

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:02	

Lab ID: 31174036 **Date Collected:** 10/10/2023 09:20 **Matrix:** Potable Water
Sample ID: 10102023CA-48 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room 109I snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:04	

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www.MVTL.com

**Workorder:** Columbia Academy (31174)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31174037	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-49	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway next to 144b wc east					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:05	

Lab ID:	31174038	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-50	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	girls locker room wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:07	

Lab ID:	31174039	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-51	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	boy's locker room wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:09	

Lab ID:	31174040	Date Collected:	10/10/2023 09:20	Matrix:	Potable Water	
Sample ID:	10102023CA-52	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of 203 east wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 20:10	

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Workorder: Columbia Academy (31174)

Client: Institute for Environmental Assessment (IEA)



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Workorder: Columbia Academy (31174)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55443
763.315.7900 1.800.233.9513

31174
IEA

Client Name		Columbia Heights Public Schools		Building Name		Columbia Academy		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieassafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/10/2023		Time: 9:20AM		Analyzed By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
	10102023CA-01	Boiler Room - Main Line	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-02	Kitchen-North Steam-Kettle	X			10/10/2023	250mL-unpreserved	Lead	Present, but does not have a future. It is filled with water from the SNK		
	10102023CA-03	Kitchen South Steam Kettle	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-04	Kitchen SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-05	Kitchen Sprayer	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-06	Hallway across from 131 - WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-07	Cafeteria WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-08	Room 140 SNK	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-09	Room 141 SNK	X			10/10/2023	250mL unpreserved	Lead	Sink basin covered with wood plank, faucet intact, got 1/2 bottle (low-flow)		
	10102023CA-10	Room-103 SNK	X			10/10/2023	250mL-unpreserved	Lead	Disconnected		
	10102023CA-11	Hallway outside of 103 - WC East	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-12	Hallway outside of 103 - WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-13	Room 109K SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-14	Room 109I SNK	X			10/10/2023	250mL unpreserved	Lead	Office, NFD		
	10102023CA-15	Room 109C SNK	X			10/10/2023	250mL unpreserved	Lead	Break/work room, dishes next to sink, NFD		
	10102023CA-16	Room 117 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-17	Room-119 SNK	X			10/10/2023	250mL-unpreserved	Lead	Disconnected		
	10102023CA-18	Room 110 East SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-19	Room 110 West SNK	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-20	Room 110 Water Dispenser	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-21	Room 118 D SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-22	Room 118 B SNK	X			10/10/2023	250mL unpreserved	Lead	Office sink		
	10102023CA-23	Room 118 C SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-24	Room 146A SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-25	Hallway next to 144A WC	X			10/10/2023	250mL unpreserved	Lead	Low-flow, NFD		
	10102023CA-26	Hallway next to 144B WC	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-27	Hallway next to 144B WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
	10102023CA-28	Room-124 SNK	X			10/10/2023	250mL unpreserved	Lead	Disconnected		
	10102023CA-29	Hallway-across-from-Boiler-Room-South-DF	X			10/10/2023	250mL-unpreserved	Lead	Disconnected		

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Handwritten notes: 13 Oct 23 1330, 20.5, 20.5 774, SP 13 Oct 23 1330

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Workorder: Columbia Academy (31174)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Brooklyn Park, MN 55443
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Client Name		Columbia Heights Public Schools		Building Name		Columbia Academy		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/10/2023		Time: 9:20AM		Analyzed By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
	10102023CA-30	Hallway across from Boiler Room - North DF	X			10/10/2023	250mL unpreserved	Lead	Disconnected		
	10102023CA-31	Hallway outside of 203 - WC	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-32	Hallway outside of 203 - WBF	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-33	Hallway outside of 219 - WC	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-34	Room 1A Locker Room SNK	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-35	Girls Locker Room - West WC	X			10/10/2023	250mL unpreserved	Lead	Brand new		
	10102023CA-36	Girls Locker Room - East WC	X			10/10/2023	250mL unpreserved	Lead	Brand new		
	10102023CA-37	Boys Locker Room - West WC	X			10/10/2023	250mL unpreserved	Lead	Brand new		
	10102023CA-38	Boys Locker Room - East WC	X			10/10/2023	250mL unpreserved	Lead	Brand new		
	10102023CA-39	Team Room DF	X			10/10/2023	250mL unpreserved	Lead	Disconnected		
	10102023CA-40	Health Office Restroom SNK	X			10/10/2023	250mL unpreserved	Lead	Wrote in new label already (Sample 48- Room 109L)		
	10102023CA-41	Room 201 SNK	X			10/10/2023	250mL unpreserved	Lead	Disconnected & Teacher mentioned she wants sink removed.		
	10102023CA-42	Room 202 SNK	X			10/10/2023	250mL unpreserved	Lead	Disconnected		
	10102023CA-43	Room 125 SNK	X			10/10/2023	250mL unpreserved	Lead	Disconnected		
	10102023CA-44	Boiler Room SNK	X			10/10/2023	250mL unpreserved	Lead	Fixture present, district noted non-potable. Not tested		
	10102023CA-45	Cafeteria WC	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-46	Hallway across from 131 WC	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-47	Hallway outside of 103 WC West	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-48	Room 109L SNK	X			10/10/2023	250mL unpreserved	Lead	Health office restroom		
	10102023CA-49	Hallway next to 144B WC East	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-50	Girl's Locker Room WBF	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-51	Boy's Locker Room WBF	X			10/10/2023	250mL unpreserved	Lead			
	10102023CA-52	Hallway outside of 203 East WC	X			10/10/2023	250mL unpreserved	Lead			
			X			10/10/2023	250mL unpreserved	Lead			
			X			10/10/2023	250mL unpreserved	Lead			
			X			10/10/2023	250mL unpreserved	Lead			
			X			10/10/2023	250mL unpreserved	Lead			
			X			10/10/2023	250mL unpreserved	Lead			

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Workorder: Columbia Academy (31174)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 13 Oct 23 Time: 1330 ☐ AM ☒ PM By: SP

Account Name: IEA / CA Account # -

Bill of Lading #: - Cooler #: -

Temp: 20.5 °C ROI ☐ Ambient ☐ Tracking #: -

TM#: 774 Ice Crystals Present in Sample ☐ Other: -

MVTL Courier: Dan

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐

Mail ☐ UPS Ground ☐ FedEx Ground ☐

Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Comments:

Number	Containers Size (mL)	Container Type	Preservation	pH
<u>40</u>	(100) (120) (125) <u>(250)</u> (290) (500) (1000) Other	(G) <u>(P)</u> (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ <u>NONE</u> HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 <u>N/A</u> Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) <u>(1000)</u> Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) <u>(P)</u> (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit				
!DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!				
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Moisture Vial			n/a	
Manure Bottle			n/a	

*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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Workorder: Columbia Heights High School (31166)
Account #: 2190
Project #: 202310624

Client: Institute for Environmental Assessment (IEA)
PO: 202310624

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

R. Dan O'Connell, Organic Chemistry Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31166001 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-01 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: football team outdoor spigot

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:29	

Lab ID: 31166002 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-02 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hs13 main line

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	22.3	ug/L	15	EPA 200.8	10/20/2023 17:31	

Lab ID: 31166003 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-03 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen west snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.13	ug/L	15	EPA 200.8	10/20/2023 17:32	

Lab ID: 31166004 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-04 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen east snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.65	ug/L	15	EPA 200.8	10/20/2023 17:34	

Lab ID: 31166005 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-05 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen west sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.84	ug/L	15	EPA 200.8	10/20/2023 17:36	

Lab ID: 31166006 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-06 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen east sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:37	

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31166007	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-07	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	cafeteria snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.01	ug/L	15	EPA 200.8	10/20/2023 17:39	

Lab ID:	31166008	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-08	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	cafeteria wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:41	

Lab ID:	31166009	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-09	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	cafeteria wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:42	

Lab ID:	31166010	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-11	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of hs13 north wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:44	

Lab ID:	31166011	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-12	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of hs13 south wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 17:57	

Lab ID:	31166012	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-13	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of hs 89 wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.59	ug/L	15	EPA 200.8	10/20/2023 17:59	

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Lab ID: 31166013 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-17 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway by west gyms south wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:00	

Lab ID: 31166014 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-18 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway by west gyms north wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:02	

Lab ID: 31166015 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-19 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc40 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:04	

Lab ID: 31166016 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-20 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc40 east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:05	

Lab ID: 31166017 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-21 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc40 east wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:07	

Lab ID: 31166018 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-22 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from hc 47 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:08	

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31166019 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-23 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from hc47 east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:10	

Lab ID: 31166020 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-24 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from hc69 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:12	

Lab ID: 31166021 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-25 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway across from hc69 east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:25	

Lab ID: 31166022 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-26 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc55 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:27	

Lab ID: 31166023 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-27 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc 55 east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:28	

Lab ID: 31166024 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-28 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hc61 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:30	

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Lab ID:	31166025	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-29	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of hc61 east wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:32	

Lab ID:	31166026	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-30	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of hc61 east wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:33	

Lab ID:	31166027	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-31	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hc54 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.21	ug/L	15	EPA 200.8	10/20/2023 18:35	

Lab ID:	31166028	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-32	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway next to east gyms snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	11.5	ug/L	15	EPA 200.8	10/23/2023 13:54	

Lab ID:	31166029	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-33	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	main floor pool hallway wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:36	

Lab ID:	31166030	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-34	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	main floor pool hallway wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/20/2023 18:38	

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31166031	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-35	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs190 north wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:51	

Lab ID:	31166032	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-36	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs190 south wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:52	

Lab ID:	31166033	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-37	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs190 south wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:53	

Lab ID:	31166034	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-38	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hs194 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.54	ug/L	15	EPA 200.8	10/27/2023 20:54	

Lab ID:	31166035	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-39	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway ascross from hs115 wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.23	ug/L	15	EPA 200.8	10/27/2023 20:55	

Lab ID:	31166036	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-40	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway next to main office north wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:56	

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Lab ID: 31166037 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-41 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway next to main office south wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:58	

Lab ID: 31166038 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-42 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway next to main office south wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 20:59	

Lab ID: 31166039 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-43 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hs150 west wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:00	

Lab ID: 31166040 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-44 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hs150 east wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:01	

Lab ID: 31166041 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-45 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway outside of hs150 east wbf

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:09	

Lab ID: 31166042 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-46 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: hallway near hs135 north wc

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:10	

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Lab ID:	31166043	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-47	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway near hs135 south wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:11	

Lab ID:	31166044	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-48	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway near hs 135 south wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:12	

Lab ID:	31166045	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-49	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hs135 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:13	

Lab ID:	31166046	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-50	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hs 137 northeast snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:14	

Lab ID:	31166047	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-51	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hs 137 northeast center snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:15	

Lab ID:	31166048	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-52	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room hs 137 southeast center snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.79	ug/L	15	EPA 200.8	10/27/2023 21:16	

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Lab ID: 31166049 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-53 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room hs 137 southeast snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.56	ug/L	15	EPA 200.8	10/27/2023 21:17	

Lab ID: 31166050 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-54 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room hs 137 south snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.60	ug/L	15	EPA 200.8	10/27/2023 21:18	

Lab ID: 31166051 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-55 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room hs 137 southwest snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.58	ug/L	15	EPA 200.8	10/27/2023 21:27	

Lab ID: 31166052 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-56 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room hs 137 west snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.53	ug/L	15	EPA 200.8	10/27/2023 21:28	

Lab ID: 31166053 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-57 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room hs 137 northwest snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:29	

Lab ID: 31166054 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-58 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room do102 snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.18	ug/L	15	EPA 200.8	10/27/2023 21:30	

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Lab ID:	31166055	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-59	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room do102 hwd					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:31	

Lab ID:	31166056	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-60	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc100 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:32	

Lab ID:	31166057	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-61	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc100 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.09	ug/L	15	EPA 200.8	10/27/2023 21:33	

Lab ID:	31166058	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-62	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc102 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:34	

Lab ID:	31166059	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-63	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc102 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.66	ug/L	15	EPA 200.8	10/27/2023 21:35	

Lab ID:	31166060	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-64	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc103 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:36	

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Lab ID:	31166061	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-65	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc103 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:44	

Lab ID:	31166062	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-66	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc104 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:46	

Lab ID:	31166063	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-67	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc104 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.51	ug/L	15	EPA 200.8	10/27/2023 21:47	

Lab ID:	31166064	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-68	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc105 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:48	

Lab ID:	31166065	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-69	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc105 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.03	ug/L	15	EPA 200.8	10/27/2023 21:49	

Lab ID:	31166066	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-71	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of 107 & 108 east wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:50	

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Lab ID:	31166067	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-72	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway outside of 107 & 108 east wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:51	

Lab ID:	31166068	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-73	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	family center health office snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:52	

Lab ID:	31166069	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-74	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	family center health office restroom snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:53	

Lab ID:	31166070	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-75	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc112 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 21:54	

Lab ID:	31166071	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-76	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc112 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:02	

Lab ID:	31166072	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-77	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room f114/f116 north snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:03	

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Lab ID:	31166073	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-79	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room f114/f116 south snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:04	
Lab ID:	31166074	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-81	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc115 west snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.97	ug/L	15	EPA 200.8	10/27/2023 22:05	
Lab ID:	31166075	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-82	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc115 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:06	
Lab ID:	31166076	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-83	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc115 east snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:07	
Lab ID:	31166077	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-84	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc119 west snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.33	ug/L	15	EPA 200.8	10/27/2023 22:08	
Lab ID:	31166078	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-85	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc119 df					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/27/2023 22:10	

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Lab ID:	31166079	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-86	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room fc119 east snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:43	

Lab ID:	31166080	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-87	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs288 north wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:44	

Lab ID:	31166081	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-88	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs288 south wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:45	

Lab ID:	31166082	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-90	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs207 wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.62	ug/L	15	EPA 200.8	10/23/2023 19:46	

Lab ID:	31166083	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-91	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs215 north wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:47	

Lab ID:	31166084	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-92	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs215 south wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:48	

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Lab ID:	31166085	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-93	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from hs215 south wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:57	

Lab ID:	31166086	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-94	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway next to do226 wc					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:58	

Lab ID:	31166087	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-95	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway next to do226 wbf					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 19:59	

Lab ID:	31166088	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-96	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room do217 hwd					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:00	

Lab ID:	31166089	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-97	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	room do217 snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.84	ug/L	15	EPA 200.8	10/23/2023 20:01	

Lab ID:	31166090	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-98	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hallway across from do204 hwd					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:02	

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31166091	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-99	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 office b snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.59	ug/L	15	EPA 200.8	10/23/2023 20:03	

Lab ID:	31166092	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-100	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 office b hwd					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:04	

Lab ID:	31166093	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-101	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 office c snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	83.7	ug/L	15	EPA 200.8	10/25/2023 12:36	

Lab ID:	31166094	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-102	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 office c hwd					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:05	

Lab ID:	31166095	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-103	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 office p snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.99	ug/L	15	EPA 200.8	10/23/2023 20:06	

Lab ID:	31166096	Date Collected:	10/11/2023 06:00	Matrix:	Potable Water	
Sample ID:	10112023CHS-105	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	hs125 health office snk					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.51	ug/L	15	EPA 200.8	10/23/2023 20:15	

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31166097 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-106 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen tilt skillet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:16	

Lab ID: 31166098 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-107 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen east stk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:17	

Lab ID: 31166099 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-108 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: kitchen west stk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:18	

Lab ID: 31166100 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-109 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room fc111 df

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.03	ug/L	15	EPA 200.8	10/23/2023 20:19	

Lab ID: 31166101 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-110 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: family center health office df

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.13	ug/L	15	EPA 200.8	10/23/2023 20:20	

Lab ID: 31166102 **Date Collected:** 10/11/2023 06:00 **Matrix:** Potable Water
Sample ID: 10112023CHS-111 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: room fc111 snk

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.79	ug/L	15	EPA 200.8	10/23/2023 20:21	

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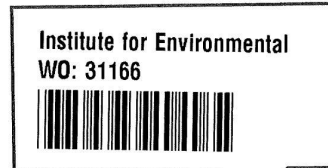
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Workorder: Columbia Heights High School (31166)

Client: Institute for Environmental Assessment (IEA)



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Workorder: Columbia Heights High School (31166)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Client Name		Columbia Heights Public Schools		Building Name		Columbia Heights High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/11/2023		Time: 6:00 AM		Analyst By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
	10112023CHS-01	Football Team Outdoor Spigot	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-02	HS13 - Main Line	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-03	Kitchen West SNK	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-04	Kitchen East SNK	X			10/11/2023	250mL Unpreserved	Lead			
HAVE ✓	10112023CHS-05	Kitchen-West-Sprayer	X			10/11/2023	250mL Unpreserved	Lead	Dishes Only - Nonpotable		
✓	10112023CHS-06	Kitchen-East-Sprayer	X			10/11/2023	250mL Unpreserved	Lead	Dishes Only - Nonpotable		
	10112023CHS-07	Cafeteria SNK	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-08	Cafeteria WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-09	Cafeteria WBF	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-10	Hallway outside of HS62 - DF	X			10/11/2023	250mL Unpreserved	Lead	Inoperable		
	10112023CHS-11	Hallway outside of HS13 - North WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-12	Hallway outside of HS13 - South WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-13	Hallway outside of HS 89 - WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-14	Pool-WC	X			10/11/2023	250mL Unpreserved	Lead	Inoperable		
	10112023CHS-15	Womens Pool-Locker Room-WC	X			10/11/2023	250mL Unpreserved	Lead	Inoperable		
	10112023CHS-16	Mens Pool-Locker Room-WC	X			10/11/2023	250mL Unpreserved	Lead	Inoperable		
	10112023CHS-17	Hallway by West Gyms - South WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-18	Hallway by West Gyms - North WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-19	Hallway outside of HC40 - West WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-20	Hallway outside of HC40 - East WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-21	Hallway outside of HC40 - East WBF	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-22	Hallway across from HC47 - West WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-23	Hallway across from HC47 - East WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-24	Hallway across from HC69 - West WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-25	Hallway across from HC69 - East WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-26	Hallway outside of HC55 - West WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-27	Hallway outside of HC55 - East WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-28	Hallway outside of HC61 - West WC	X			10/11/2023	250mL Unpreserved	Lead			
	10112023CHS-29	Hallway outside of HC61 - East WC	X			10/11/2023	250mL Unpreserved	Lead			

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Workorder: Columbia Heights High School (31166)

Client: Institute for Environmental Assessment (IEA)

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Client Name		Columbia Heights Public Schools		Building Name		Columbia Heights High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/11/2023		Time: 6:00 AM		Analyzed By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
10112023CHS-30		Hallway outside of HC61 - East WBF	26	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-31		Room HC54 SNK	27	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-32		Hallway next to East Gyms - SNK	28	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-33		Main Floor Pool Hallway - WBF	29	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-34		Main Floor Pool Hallway - WC	30	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-35		Hallway across from HS190 - North WC	31	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-36		Hallway across from HS190 - South WC	32	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-37		Hallway across from HS190 - South WBF	33	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-38		Room HS194 SNK	34	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-39		Hallway across from HS115 - WC	35	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-40		Hallway next to Main Office - North WC	36	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-41		Hallway next to Main Office - South WC	37	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-42		Hallway next to Main Office - South WBF	38	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-43		Hallway outside of HS150 - West WC	39	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-44		Hallway outside of HS150 - East WC	40	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-45		Hallway outside of HS150 - East WBF	41	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-46		Hallway near HS135 - North WC	42	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-47		Hallway near HS135 - South WC	43	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-48		Hallway near HS135 - South WBF	44	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-49		Room HS135 SNK	45	X		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-50		Room HS 137 - Northeast SNK	46	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-51		Room HS 137 - Northeast Center SNK	47	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-52		Room HS 137 - Southeast Center SNK	48	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-53		Room HS 137 - Southeast SNK	49	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-54		Room HS 137 - South SNK	50	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-55		Room HS 137 - Southwest SNK	51	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-56		Room HS 137 - West SNK	52	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-57		Room HS 137 - Northwest SNK	53	X		10/11/2023	250mL unpreserved	Lead			
10112023CHS-58		Room DO102 - SNK	54	X		10/11/2023	250mL unpreserved	Lead	NFD		

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Workorder: Columbia Heights High School (31166)

Client: Institute for Environmental Assessment (IEA)

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Client Name		Columbia Heights Public Schools		Building Name		Columbia Heights High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/11/2023		Time: 6:00 AM		Analyst By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
10112023CHS-59		Room DO102 - HWD	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-60		Room FC100 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-61		Room FC100 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-62		Room FC102 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-63		Room FC102 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-64		Room FC103 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-65		Room FC103 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-66		Room FC104 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-67		Room FC104 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-68		Room FC105 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-69		Room FC105 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-70		Hallway outside of 107 & 108 - West WC	X			10/11/2023	250mL unpreserved	Lead	Inoperable		
10112023CHS-71		Hallway outside of 107 & 108 - East WC	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-72		Hallway outside of 107 & 108 - East WBF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-73		Family Center Health Office SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-74		Family Center Health Office Restroom SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-75		Room FC112 SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-76		Room FC112 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-77		Room F114/F116 North SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-78		Room F114/F116 North DF	X			10/11/2023	250mL unpreserved	Lead	Inoperable		
10112023CHS-79		Room F114/F116 South SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-80		Room F114/F116 South DF	X			10/11/2023	250mL unpreserved	Lead	Inoperable		
10112023CHS-81		Room FC115 West SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-82		Room FC115 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-83		Room FC115 East SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-84		Room FC119 West SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-85		Room FC119 DF	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-86		Room FC119 East SNK	X			10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-87		Hallway across from HS288 - North WC	X			10/11/2023	250mL unpreserved	Lead	NFD		

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Workorder: Columbia Heights High School (31166)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Client Name		Columbia Heights Public Schools		Building Name		Columbia Heights High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/11/2023		Time: 6:00 AM		Analyst By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
10112023CHS-88		Hallway across from HS288 - South WC	X	81		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-89		Hallway across from HS288 - South WBF	X			10/11/2023	250mL unpreserved	Lead	Inoperable		
10112023CHS-90		Hallway across from HS207 - WC	X	82		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-91		Hallway across from HS215 - North WC	X	83		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-92		Hallway across from HS215 - South WC	X	84		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-93		Hallway across from HS215 - South WBF	X	85		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-94		Hallway next to DO226 - WC	X	86		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-95		Hallway next to DO226 - WBF	X	87		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-96		Room DO217 HWD	X	88		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-97		Room DO217 SNK	X	89		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-98		Hallway across from DO204 - HWD	X	90		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-99		HS125 Office B - SNK	X	91		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-100		HS125 Office B - HWD	X	92		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-101		HS125 Office C - SNK	X	93		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-102		HS125 Office C - HWD	X	94		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-103		HS125 Office P - SNK	X	95		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-104		HS125 Office P - HWD	X			10/11/2023	250mL unpreserved	Lead	Does not exist anymore		
10112023CHS-105		HS125 Health Office - SNK	X	96		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-106		Kitchen Tilt Skillet	X	97		10/11/2023	250mL unpreserved	Lead			
10112023CHS-107		Kitchen East STK	X	98		10/11/2023	250mL unpreserved	Lead			
10112023CHS-108		Kitchen West STK	X	99		10/11/2023	250mL unpreserved	Lead			
10112023CHS-109		Room FC111 DF	X	100		10/11/2023	250mL unpreserved	Lead			
10112023CHS-110		Family Center Health Office DF	X	01		10/11/2023	250mL unpreserved	Lead	NFD		
10112023CHS-111		Room FC111 SNK	X	02		10/11/2023	250mL unpreserved	Lead			
			X				250mL unpreserved	Lead			
			X				250mL unpreserved	Lead			
			X				250mL unpreserved	Lead			
			X				250mL unpreserved	Lead			
			X				250mL unpreserved	Lead			

Original - Analytical Lab
Copy - Client File
Copy - IEA Lab

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**Workorder:** Columbia Heights High School (31166)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 13 Oct 23 Time: 1330 ☐ AM ☒ PM By: SP

Account Name: IEA / CHS Account #: -

Bill of Lading #: - Cooler #: -

Temp: 20.5 °C RO ☐ Ambient ☐ Tracking #: -

TM#: 774 Ice Crystals Present in Sample ☐ Have #5 & #6

MVTL Courier: Dan Other: -

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐

Mail ☐ UPS Ground ☐ FedEx Ground ☐

Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Comments:

Number	Containers Size (mL)	Container Type	Preservation	pH
102	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit				
!!DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!				
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Trip Blank Individual Set of 2 Set of 3				n/a
Moisture Vial				n/a
Manure Bottle				n/a

*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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Workorder: Highland Elementary School (31171)
Account #: 2190
Project #: 202310624

Client: Institute for Environmental Assessment (IEA)
PO: 202310624

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171001 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-01 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Boiler Room Main Line

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	791	ug/L	15	EPA 200.8	11/02/2023 11:59	

Lab ID: 31171002 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-02 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Kitchen SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.86	ug/L	15	EPA 200.8	11/01/2023 19:08	

Lab ID: 31171003 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-03 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Kitchen Sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:09	

Lab ID: 31171004 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-04 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Kitchen Steam Kettle

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.13	ug/L	15	EPA 200.8	11/01/2023 19:17	

Lab ID: 31171005 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-05 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Cafeteria WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:18	

Lab ID: 31171006 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-06 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Cafeteria WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:19	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31171007	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-07	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway outside of Cafeteria North WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:20	

Lab ID:	31171008	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-08	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway outside of Cafeteria North WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:21	

Lab ID:	31171009	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-09	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway outside of Cafeteria South WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:22	

Lab ID:	31171010	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-10	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway outside of Main Office WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:23	

Lab ID:	31171011	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-11	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway outside of Main Office WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:24	

Lab ID:	31171012	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-12	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 110B HWD					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:26	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171013 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-13 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110B SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.55	ug/L	15	EPA 200.8	11/01/2023 19:27	

Lab ID: 31171014 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-14 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110C SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.63	ug/L	15	EPA 200.8	11/01/2023 19:42	

Lab ID: 31171015 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-15 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110C Restroom SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.64	ug/L	15	EPA 200.8	11/01/2023 19:43	

Lab ID: 31171016 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-16 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 105 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.90	ug/L	15	EPA 200.8	11/01/2023 19:44	

Lab ID: 31171017 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-17 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 2B SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.87	ug/L	15	EPA 200.8	11/01/2023 19:45	

Lab ID: 31171018 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-18 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 1 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.62	ug/L	15	EPA 200.8	10/18/2023 20:43	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171019 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-19 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 3 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.84	ug/L	15	EPA 200.8	10/18/2023 20:44	

Lab ID: 31171020 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-20 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 5 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.31	ug/L	15	EPA 200.8	10/18/2023 20:45	

Lab ID: 31171021 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-21 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 5 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 20:46	

Lab ID: 31171022 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-22 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 6 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.89	ug/L	15	EPA 200.8	10/18/2023 20:55	

Lab ID: 31171023 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-23 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 6 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.63	ug/L	15	EPA 200.8	10/18/2023 20:56	

Lab ID: 31171024 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-24 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 7 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.80	ug/L	15	EPA 200.8	10/18/2023 20:57	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171025 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-25 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 7 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	14.8	ug/L	15	EPA 200.8	10/18/2023 20:58	

Lab ID: 31171026 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-26 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 8 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.76	ug/L	15	EPA 200.8	10/18/2023 20:59	

Lab ID: 31171027 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-27 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 8 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.67	ug/L	15	EPA 200.8	10/18/2023 21:00	

Lab ID: 31171028 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-28 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 9 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.21	ug/L	15	EPA 200.8	10/18/2023 21:01	

Lab ID: 31171029 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-29 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 9 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 21:02	

Lab ID: 31171030 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-30 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 10 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.57	ug/L	15	EPA 200.8	10/18/2023 21:03	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31171031	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-32	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 11 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.73	ug/L	15	EPA 200.8	10/18/2023 21:04	
Lab ID:	31171032	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-33	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 11 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.88	ug/L	15	EPA 200.8	10/18/2023 21:56	
Lab ID:	31171033	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-34	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 12 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.42	ug/L	15	EPA 200.8	10/18/2023 21:57	
Lab ID:	31171034	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-35	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 13 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 21:58	
Lab ID:	31171035	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-36	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 14 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 21:59	
Lab ID:	31171036	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-37	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 15 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:00	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171037 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-38 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 16 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:02	

Lab ID: 31171038 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-39 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 17 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:03	

Lab ID: 31171039 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-40 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of Room 13&15 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:04	

Lab ID: 31171040 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-42 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 201 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.86	ug/L	15	EPA 200.8	10/18/2023 22:05	

Lab ID: 31171041 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-43 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.89	ug/L	15	EPA 200.8	10/18/2023 22:06	

Lab ID: 31171042 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-44 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.50	ug/L	15	EPA 200.8	10/18/2023 22:14	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171043 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-45 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.72	ug/L	15	EPA 200.8	10/18/2023 22:15	

Lab ID: 31171044 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-46 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:16	

Lab ID: 31171045 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-47 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 205 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.50	ug/L	15	EPA 200.8	10/18/2023 22:17	

Lab ID: 31171046 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-48 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 205 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.52	ug/L	15	EPA 200.8	10/18/2023 22:18	

Lab ID: 31171047 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-49 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 206 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.79	ug/L	15	EPA 200.8	10/18/2023 22:19	

Lab ID: 31171048 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-50 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 206 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.03	ug/L	15	EPA 200.8	10/18/2023 22:20	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171049 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-51 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 207 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.67	ug/L	15	EPA 200.8	10/18/2023 22:21	

Lab ID: 31171050 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-52 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 207 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.53	ug/L	15	EPA 200.8	10/18/2023 22:22	

Lab ID: 31171051 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-53 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 208 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.60	ug/L	15	EPA 200.8	10/18/2023 22:23	

Lab ID: 31171052 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-54 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 208 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.62	ug/L	15	EPA 200.8	10/18/2023 22:32	

Lab ID: 31171053 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-55 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 209 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.59	ug/L	15	EPA 200.8	10/18/2023 22:33	

Lab ID: 31171054 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-56 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 209 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.50	ug/L	15	EPA 200.8	10/18/2023 22:34	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31171055	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-57	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 210 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.59	ug/L	15	EPA 200.8	10/18/2023 22:35	
Lab ID:	31171056	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-58	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 210 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:36	
Lab ID:	31171057	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-59	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 211 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.76	ug/L	15	EPA 200.8	10/18/2023 22:37	
Lab ID:	31171058	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-60	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 211 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.05	ug/L	15	EPA 200.8	10/18/2023 22:38	
Lab ID:	31171059	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-61	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 212 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	27.7	ug/L	15	EPA 200.8	10/19/2023 12:40	
Lab ID:	31171060	Date Collected:	10/12/2023 09:00	Matrix:	Potable Water	
Sample ID:	10122023HES-62	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 212 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.97	ug/L	15	EPA 200.8	10/18/2023 22:39	

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31171061 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-63 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to 201 North WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:40	

Lab ID: 31171062 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-64 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to 201 North WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:41	

Lab ID: 31171063 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-65 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to 201 South WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/18/2023 22:49	

Lab ID: 31171064 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-66 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 202 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.91	ug/L	15	EPA 200.8	10/18/2023 22:51	

Lab ID: 31171065 **Date Collected:** 10/12/2023 09:00 **Matrix:** Potable Water
Sample ID: 10122023HES-67 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 202 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.60	ug/L	15	EPA 200.8	10/18/2023 22:52	

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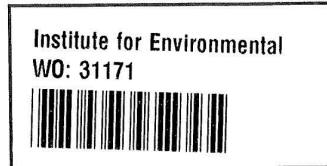
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Workorder: Highland Elementary School (31171)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Brooklyn Park, MN 55445
763.315.7900 1.800.233.9513 IEA

31171

Client Name		Columbia Heights Public Schools		Building Name		Highland Elementary School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@iesafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/12/2023		Time: 9:00 AM		Analyzed By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
1	10122023HES-01	Boiler Room - Main Line	X			10/12/2023	250mL unpreserved	Lead			
2	10122023HES-02	Kitchen SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
3	10122023HES-03	Kitchen Sprayer	X			10/12/2023	250mL unpreserved	Lead	NFD		
4	10122023HES-04	Kitchen Steam Kettle	X			10/12/2023	250mL unpreserved	Lead	NFD		
5	10122023HES-05	Cafeteria WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
6	10122023HES-06	Cafeteria WBF	X			10/12/2023	250mL unpreserved	Lead	NFD		
7	10122023HES-07	Hallway outside of Cafeteria - North WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
8	10122023HES-08	Hallway outside of Cafeteria - North WBF	X			10/12/2023	250mL unpreserved	Lead	NFD		
9	10122023HES-09	Hallway outside of Cafeteria - South WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
10	10122023HES-10	Hallway outside of Main Office - WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
11	10122023HES-11	Hallway outside of Main Office - WBF	X			10/12/2023	250mL unpreserved	Lead	NFD		
12	10122023HES-12	Room 110B HWD	X			10/12/2023	250mL unpreserved	Lead	NFD		
13	10122023HES-13	Room 110B SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
14	10122023HES-14	Room 110C SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
15	10122023HES-15	Room 110C Restroom SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
16	10122023HES-16	Room 105 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
17	10122023HES-17	Room 28 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
18	10122023HES-18	Room 1 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
19	10122023HES-19	Room 3 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
20	10122023HES-20	Room 5 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
21	10122023HES-21	Room 5 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		
22	10122023HES-22	Room 6 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
23	10122023HES-23	Room 6 DF	X			10/12/2023	250mL unpreserved	Lead	Low-flow		
24	10122023HES-24	Room 7 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
25	10122023HES-25	Room 7 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		
26	10122023HES-26	Room 8 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
27	10122023HES-27	Room 8 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		
28	10122023HES-28	Room 9 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
29	10122023HES-29	Room 9 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		

Original - Analytical Lab
Copy - Client File
Copy - IEA Lab

JP 13 Oct 23 1330 20.5 774 13 Oct 23 1330 20.5 774

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Workorder: Highland Elementary School (31171)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9513
IEA

Client Name			Columbia Heights Public Schools			Building Name		Highland Elementary School		Analytical Lab		MVTL			
Contact Name			Emma Squires-Sperling Amanda Edberg			Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing			
Phone #			763-315-7900			IEA Fax #		763-315-7927		Written Sample Results To		lab@veasafety.com			
Other Information															
Sampled By			Emma Hillis			Date: 10/12/2023		Time: 9:00 AM		Analyzed By (Company)		Analyst		Date & Time	
Shipped By			Sashya Wandmaker			Date		Time		Turnaround Time		Notes			
Received By						Date		Time		Sample Condition		Temperature			
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations						
			Water	Soil	Other										
30	10122023HES-30	Room 10 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD, teacher said hot water doesn't work						
31	10122023HES-31	Room 10 DF	X			10/12/2023	250mL unpreserved	Lead	Inoperable						
32	10122023HES-32	Room 11 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
33	10122023HES-33	Room 11 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
34	10122023HES-34	Room 12 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
35	10122023HES-35	Room 13 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
36	10122023HES-36	Room 14 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
37	10122023HES-37	Room 15 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
38	10122023HES-38	Room 16 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
39	10122023HES-39	Room 17 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
40	10122023HES-40	Hallway outside of Room 13 & 15 - WC	X			10/12/2023	250mL unpreserved	Lead	NFD						
41	10122023HES-41	Room 201 HWD	X			10/12/2023	250mL unpreserved	Lead	Inoperable						
42	10122023HES-42	Room 201 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
43	10122023HES-43	Room 203 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
44	10122023HES-44	Room 203 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
45	10122023HES-45	Room 204 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
46	10122023HES-46	Room 204 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
47	10122023HES-47	Room 205 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
48	10122023HES-48	Room 205 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
49	10122023HES-49	Room 206 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
50	10122023HES-50	Room 206 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
51	10122023HES-51	Room 207 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
52	10122023HES-52	Room 207 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
53	10122023HES-53	Room 208 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
54	10122023HES-54	Room 208 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
55	10122023HES-55	Room 209 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
56	10122023HES-56	Room 209 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						
57	10122023HES-57	Room 210 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD						
58	10122023HES-58	Room 210 DF	X			10/12/2023	250mL unpreserved	Lead	NFD						

Original - Analytical Lab
Copy - Client File
Copy - IEA Lab

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Workorder: Highland Elementary School (31171)

Client: Institute for Environmental Assessment (IEA)

[illegible]

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④H0130423

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**Workorder:** Highland Elementary School (31171)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 13 Oct 23 Time: 1330 ☐ AM ☒ PM By: SP

Account Name: IEA / HES Account #: -

Bill of Lading #: - Cooler #: -

Temp: 20.5 °C ROI ☐ Ambient ☐ Tracking #: -

TM#: 774 Ice Crystals Present in Sample ☐ Other: -

MVTL Courier: Dan

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐

Mail ☐ UPS Ground ☐ FedEx Ground ☐

Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Comments:

Number	Containers Size (mL)	Container Type	Preservation	pH
65	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ <u>NONE</u> HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 <u>N/A</u> Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit			**!DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!**	
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄	None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Moisture Vial			n/a	
Manure Bottle			n/a	

***ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!**

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Workorder: North Park Elementary (31172)
Account #: 2190
Project #: 202310624

Client: Institute for Environmental Assessment (IEA)
PO: 202310624

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

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Report Date: Wednesday, October 25, 2023 3:41:34 PM

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172001 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-01 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 234 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.84	ug/L	15	EPA 200.8	10/24/2023 13:58	

Lab ID: 31172002 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-02 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 234 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.56	ug/L	15	EPA 200.8	10/24/2023 14:06	

Lab ID: 31172003 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-03 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 232B SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.89	ug/L	15	EPA 200.8	10/24/2023 14:07	

Lab ID: 31172004 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-04 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 232 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.08	ug/L	15	EPA 200.8	10/24/2023 14:08	

Lab ID: 31172005 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-05 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 232 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.77	ug/L	15	EPA 200.8	10/24/2023 14:09	

Lab ID: 31172006 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-06 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 220 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.09	ug/L	15	EPA 200.8	10/24/2023 14:10	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172007 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-07 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 220 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.20	ug/L	15	EPA 200.8	10/24/2023 14:11	

Lab ID: 31172008 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-08 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 219 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.86	ug/L	15	EPA 200.8	10/24/2023 14:12	

Lab ID: 31172009 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-10 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 217 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.87	ug/L	15	EPA 200.8	10/24/2023 14:13	

Lab ID: 31172010 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-11 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 217 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.95	ug/L	15	EPA 200.8	10/24/2023 14:14	

Lab ID: 31172011 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-12 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 216 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.86	ug/L	15	EPA 200.8	10/24/2023 14:16	

Lab ID: 31172012 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-13 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 216 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	25.4	ug/L	15	EPA 200.8	10/25/2023 12:37	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172013 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-14 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 218 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.87	ug/L	15	EPA 200.8	10/24/2023 14:24	

Lab ID: 31172014 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-15 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway Next to Library-East WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:25	

Lab ID: 31172015 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-16 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway Next to Library-East WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:26	

Lab ID: 31172016 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-17 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway Next to Library-West WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:27	

Lab ID: 31172017 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-18 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Library SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.68	ug/L	15	EPA 200.8	10/24/2023 14:28	

Lab ID: 31172018 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-19 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 209A SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.84	ug/L	15	EPA 200.8	10/24/2023 14:29	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172019 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-20 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.43	ug/L	15	EPA 200.8	10/24/2023 14:30	

Lab ID: 31172020 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-21 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.45	ug/L	15	EPA 200.8	10/24/2023 14:31	

Lab ID: 31172021 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-22 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 South SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.94	ug/L	15	EPA 200.8	10/25/2023 12:38	

Lab ID: 31172022 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-23 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 South DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.22	ug/L	15	EPA 200.8	10/25/2023 12:39	

Lab ID: 31172023 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-24 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 North SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.21	ug/L	15	EPA 200.8	10/25/2023 12:41	

Lab ID: 31172024 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-25 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 North DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.49	ug/L	15	EPA 200.8	10/25/2023 12:42	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172025 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-26 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 201 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.46	ug/L	15	EPA 200.8	10/24/2023 14:32	

Lab ID: 31172026 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-27 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 201 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.69	ug/L	15	EPA 200.8	10/24/2023 14:33	

Lab ID: 31172027 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-28 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 227-East WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:42	

Lab ID: 31172028 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-29 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 227-East WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:43	

Lab ID: 31172029 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-30 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 227-West WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/24/2023 14:44	

Lab ID: 31172030 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-31 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Cafeteria DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:27	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31172031	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-32	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Cafeteria WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:28	
Lab ID:	31172032	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-33	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 126 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.07	ug/L	15	EPA 200.8	10/23/2023 21:29	
Lab ID:	31172033	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-34	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 126 HWD					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:30	
Lab ID:	31172034	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-36	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Kitchen SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.82	ug/L	15	EPA 200.8	10/23/2023 21:31	
Lab ID:	31172035	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-37	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Kitchen Steam Kettle					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.24	ug/L	15	EPA 200.8	10/25/2023 12:43	
Lab ID:	31172036	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-38	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 101B SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.66	ug/L	15	EPA 200.8	10/23/2023 21:32	

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31172037 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-39 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Health Office SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:41	

Lab ID: 31172038 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-40 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Health Office Restroom SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:42	

Lab ID: 31172039 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-41 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 112 East WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:43	

Lab ID: 31172040 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-42 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 112 West WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:44	

Lab ID: 31172041 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-43 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 112 West WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:45	

Lab ID: 31172042 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-44 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 112 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.67	ug/L	15	EPA 200.8	10/23/2023 21:46	

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Lab ID: 31172043 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-45 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 117 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.17	ug/L	15	EPA 200.8	10/23/2023 21:47	

Lab ID: 31172044 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-46 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 117 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.65	ug/L	15	EPA 200.8	10/23/2023 21:48	

Lab ID: 31172045 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-47 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 118 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:49	

Lab ID: 31172046 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-48 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 118 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:50	

Lab ID: 31172047 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-49 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 119 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.52	ug/L	15	EPA 200.8	10/23/2023 21:59	

Lab ID: 31172048 **Date Collected:** 10/12/2023 06:00 **Matrix:** Potable Water
Sample ID: 10122023NP-51 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 120 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.00	ug/L	15	EPA 200.8	10/25/2023 12:45	

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Lab ID:	31172049	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-52	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 120 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 22:00	

Lab ID:	31172050	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-53	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 121 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.73	ug/L	15	EPA 200.8	10/23/2023 22:01	

Lab ID:	31172051	Date Collected:	10/12/2023 06:00	Matrix:	Potable Water	
Sample ID:	10122023NP-55	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Boiler Room-Main Line					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	15.4	ug/L	15	EPA 200.8	10/25/2023 13:32	

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Workorder: North Park Elementary (31172)

Client: Institute for Environmental Assessment (IEA)

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31172

Client Name		Columbia Heights Public Schools		Building Name		North Park Elementary		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		2023 Columbia Heights Lead in Water Sampling	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date		10/12/23		Time		6:00 AM	
Shipped By		Sashya Wandmaker		Date				Turnaround Time		Analyst	
Received By				Date				Sample Condition		Notes	
				Date				Temperature			
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
01	10122023NP-01	Room 234 SNK	X			10/12/2023	250mL unpreserved	Lead			
02	10122023NP-02	Room 234 DF	X			10/12/2023	250mL unpreserved	Lead			
03	10122023NP-03	Room 232B SNK	X			10/12/2023	250mL unpreserved	Lead			
04	10122023NP-04	Room 232 SNK	X			10/12/2023	250mL unpreserved	Lead			
05	10122023NP-05	Room 232 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		
06	10122023NP-06	Room 220 SNK	X			10/12/2023	250mL unpreserved	Lead			
07	10122023NP-07	Room 220 DF	X			10/12/2023	250mL unpreserved	Lead			
08	10122023NP-08	Room 219 SNK	X			10/12/2023	250mL unpreserved	Lead			
09	10122023NP-09	Room 219 DF	X			10/12/2023	250mL unpreserved	Lead	Inoperable		
10	10122023NP-10	Room 217 SNK	X			10/12/2023	250mL unpreserved	Lead			
11	10122023NP-11	Room 217 DF	X			10/12/2023	250mL unpreserved	Lead			
12	10122023NP-12	Room 216 SNK	X			10/12/2023	250mL unpreserved	Lead			
13	10122023NP-13	Room 216 DF	X			10/12/2023	250mL unpreserved	Lead			
14	10122023NP-14	Room 218 SNK	X			10/12/2023	250mL unpreserved	Lead			
15	10122023NP-15	Hallway Next to Library - East WC	X			10/12/2023	250mL unpreserved	Lead			
16	10122023NP-16	Hallway Next to Library - East WBF	X			10/12/2023	250mL unpreserved	Lead			
17	10122023NP-17	Hallway Next to Library - West WC	X			10/12/2023	250mL unpreserved	Lead			
18	10122023NP-18	Library SNK	X			10/12/2023	250mL unpreserved	Lead			
19	10122023NP-19	Room 209A SNK	X			10/12/2023	250mL unpreserved	Lead			
20	10122023NP-20	Room 204 SNK	X			10/12/2023	250mL unpreserved	Lead			
21	10122023NP-21	Room 204 DF	X			10/12/2023	250mL unpreserved	Lead			
22	10122023NP-22	Room 203 South SNK	X			10/12/2023	250mL unpreserved	Lead			
23	10122023NP-23	Room 203 South DF	X			10/12/2023	250mL unpreserved	Lead			
24	10122023NP-24	Room 203 North SNK	X			10/12/2023	250mL unpreserved	Lead			
25	10122023NP-25	Room 203 North DF	X			10/12/2023	250mL unpreserved	Lead			
26	10122023NP-26	Room 201 SNK	X			10/12/2023	250mL unpreserved	Lead			
27	10122023NP-27	Room 201 DF	X			10/12/2023	250mL unpreserved	Lead			
28	10122023NP-28	Hallway outside of 227 - East WC	X			10/12/2023	250mL unpreserved	Lead			
29	10122023NP-29	Hallway outside of 227 - East WBF	X			10/12/2023	250mL unpreserved	Lead	NFD		

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4-6-1 13 Oct 23 13:30

20.5 Tm 771

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Workorder: North Park Elementary (31172)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Client Name		Columbia Heights Public Schools		Building Name		North Park Elementary		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		2023 Columbia Heights Lead in Water Sampling	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date		10/12/23		Time		6:00 AM	
Shipped By		Sashya Wandmaker		Date				Turnaround Time		Notes	
Received By				Date				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
29	10122023NP-30	Hallway outside of 227 - West WC	X			10/12/2023	250mL unpreserved	Lead			
30	10122023NP-31	Cafeteria DF	X			10/12/2023	250mL unpreserved	Lead			
31	10122023NP-32	Cafeteria WBF	X			10/12/2023	250mL unpreserved	Lead			
32	10122023NP-33	Room 126 SNK	X			10/12/2023	250mL unpreserved	Lead			
33	10122023NP-34	Room 126 HWD	X			10/12/2023	250mL unpreserved	Lead			
34	10122023NP-35	Kitchen Sprayer	X			10/12/2023	250mL unpreserved	Lead	Not in use. Rusty, inoperable.		
35	10122023NP-36	Kitchen SNK	X			10/12/2023	250mL unpreserved	Lead			
36	10122023NP-37	Kitchen Steam Kettle	X			10/12/2023	250mL unpreserved	Lead			
37	10122023NP-38	Room 101B SNK	X			10/12/2023	250mL unpreserved	Lead			
38	10122023NP-39	Health Office SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
39	10122023NP-40	Health Office Restroom SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
40	10122023NP-41	Hallway outside of 112 East WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
41	10122023NP-42	Hallway outside of 112 West WC	X			10/12/2023	250mL unpreserved	Lead	NFD		
42	10122023NP-43	Hallway outside of 112 West WBF	X			10/12/2023	250mL unpreserved	Lead	NFD		
43	10122023NP-44	Room 112 SNK	X			10/12/2023	250mL unpreserved	Lead			
44	10122023NP-45	Room 117 SNK	X			10/12/2023	250mL unpreserved	Lead			
45	10122023NP-46	Room 117 DF	X			10/12/2023	250mL unpreserved	Lead			
46	10122023NP-47	Room 118 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
47	10122023NP-48	Room 118 DF	X			10/12/2023	250mL unpreserved	Lead	NFD		
48	10122023NP-49	Room 119 SNK	X			10/12/2023	250mL unpreserved	Lead	NFD		
49	10122023NP-50	Room 119 DF	X			10/12/2023	250mL unpreserved	Lead	Inoperable		
50	10122023NP-51	Room 120 SNK	X			10/12/2023	250mL unpreserved	Lead			
51	10122023NP-52	Room 120 DF	X			10/12/2023	250mL unpreserved	Lead			
52	10122023NP-53	Room 121 SNK	X			10/12/2023	250mL unpreserved	Lead			
53	10122023NP-54	Room 121 DF	X			10/12/2023	250mL unpreserved	Lead	Inoperable		
54	10122023NP-55	Boiler Room - Main Line	X			10/12/2023	250mL unpreserved	Lead			
55	10122023NP-56		X			10/12/2023	250mL unpreserved	Lead			
56	10122023NP-57		X			10/12/2023	250mL unpreserved	Lead			
57	10122023NP-58		X			10/12/2023	250mL unpreserved	Lead			

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**Workorder:** North Park Elementary (31172)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 13 Oct 23 Time: 13:30 ☐ AM ☒ PM
Account Name: IEA / Columbia Heights By: Dawn R
Bill of Lading #: - Account #: -
Temp: 20.5 °C ROI ☐ Ambient ☒ Cooler #: -
TM#: 771 Ice Crystals Present in Sample ☐ Tracking #: -
MVTL Courier: Dan Other: -
MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐
Mail ☐ UPS Ground ☐ FedEx Ground ☐
Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Number	Containers Size (mL)	Container Type	Preservation	pH
<u>51</u>	(100) (120) (125) <u>(250)</u> (290) (500) (1000) Other	(G) <u>(P)</u> (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ <u>NONE</u> HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 <u>N/A</u> Add
<u>52</u>	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
<u>53</u>	(100) (120) (125) <u>(250)</u> <u>(290)</u> (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
<u>54</u>	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) <u>(AG)</u> (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
<u>55</u>	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
<u>56</u>	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
<u>57</u>	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit				
DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!				
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Moisture Vial			n/a	
Manure Bottle			n/a	

*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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Report Date: Wednesday, October 25, 2023 3:41:34 PM

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Workorder: Valley View Elementary School (31164)
Account #: 2190
Project #: 202310624

Client: Institute for Environmental Assessment (IEA)
PO: 202310624

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

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Report Date: Thursday, November 2, 2023 3:48:24 PM

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164001 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-01 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Boiler Room Main Line

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.24	ug/L	15	EPA 200.8	10/25/2023 12:33	

Lab ID: 31164002 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-02 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Kitchen Sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.04	ug/L	15	EPA 200.8	10/23/2023 20:47	

Lab ID: 31164003 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-03 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Kitchen Tilt Skillet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:48	

Lab ID: 31164004 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-04 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Cafeteria WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:49	

Lab ID: 31164005 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-05 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Cafeteria WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:50	

Lab ID: 31164006 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-06 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to Cafeteria North WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:51	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164007 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-07 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to Cafeteria North WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:52	

Lab ID: 31164008 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-08 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to Cafeteria South WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:53	

Lab ID: 31164009 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-09 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 102 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 20:55	

Lab ID: 31164010 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-10 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 100 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.50	ug/L	15	EPA 200.8	10/23/2023 20:56	

Lab ID: 31164011 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-11 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside Main Office WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.82	ug/L	15	EPA 200.8	10/23/2023 20:57	

Lab ID: 31164012 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-12 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110B SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.75	ug/L	15	EPA 200.8	10/23/2023 21:05	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164013 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-13 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110B HWD

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:06	

Lab ID: 31164014 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-14 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110C SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:07	

Lab ID: 31164015 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-15 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 110C Restroom SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.82	ug/L	15	EPA 200.8	10/23/2023 21:08	

Lab ID: 31164016 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-16 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 116 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:09	

Lab ID: 31164017 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-17 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 115 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.95	ug/L	15	EPA 200.8	10/23/2023 21:10	

Lab ID: 31164018 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-18 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 113 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.19	ug/L	15	EPA 200.8	10/23/2023 21:11	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164019 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-19 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 105 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	39.0	ug/L	15	EPA 200.8	10/25/2023 12:34	

Lab ID: 31164020 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-20 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 2B SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.92	ug/L	15	EPA 200.8	10/23/2023 21:12	

Lab ID: 31164021 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-21 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 6 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/23/2023 21:13	

Lab ID: 31164022 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-22 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 8 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.91	ug/L	15	EPA 200.8	10/23/2023 21:14	

Lab ID: 31164023 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-23 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 8 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.00	ug/L	15	EPA 200.8	10/23/2023 21:23	

Lab ID: 31164024 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-24 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 10 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.58	ug/L	15	EPA 200.8	10/23/2023 21:24	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164025 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-25 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 10 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.46	ug/L	15	EPA 200.8	10/23/2023 21:25	

Lab ID: 31164026 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-26 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 12 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.07	ug/L	15	EPA 200.8	10/23/2023 21:26	

Lab ID: 31164027 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-27 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 12 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.77	ug/L	15	EPA 200.8	11/01/2023 17:49	

Lab ID: 31164028 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-28 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 1 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.16	ug/L	15	EPA 200.8	11/01/2023 17:50	

Lab ID: 31164029 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-29 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 1 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.86	ug/L	15	EPA 200.8	11/01/2023 17:51	

Lab ID: 31164030 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-30 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 3 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.42	ug/L	15	EPA 200.8	11/01/2023 17:52	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31164031	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-31	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 3 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.50	ug/L	15	EPA 200.8	11/01/2023 17:53	

Lab ID:	31164032	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-32	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 5 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.86	ug/L	15	EPA 200.8	11/01/2023 17:54	

Lab ID:	31164033	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-33	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 5 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.97	ug/L	15	EPA 200.8	11/01/2023 17:55	

Lab ID:	31164034	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-34	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 7 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.24	ug/L	15	EPA 200.8	11/01/2023 17:56	

Lab ID:	31164035	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-35	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 7 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.47	ug/L	15	EPA 200.8	11/01/2023 17:57	

Lab ID:	31164036	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-36	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 9 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.64	ug/L	15	EPA 200.8	11/01/2023 17:58	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164037 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-37 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 9 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:06	

Lab ID: 31164038 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-38 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 11 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.03	ug/L	15	EPA 200.8	11/01/2023 18:07	

Lab ID: 31164039 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-39 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 11 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.17	ug/L	15	EPA 200.8	11/01/2023 18:08	

Lab ID: 31164040 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-40 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 13 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:09	

Lab ID: 31164041 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-41 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 14 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:10	

Lab ID: 31164042 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-42 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 15 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:11	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164043 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-43 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 16 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:12	

Lab ID: 31164044 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-44 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 17 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:13	

Lab ID: 31164045 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-45 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 18 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:15	

Lab ID: 31164046 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-46 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway outside of 14 & 16 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:16	

Lab ID: 31164047 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-47 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to 200 North WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:24	

Lab ID: 31164048 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-48 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Hallway next to 200 North WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:25	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	31164049	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-49	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Hallway next to 200 South WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:26	

Lab ID:	31164050	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-50	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 201 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	8.32	ug/L	15	EPA 200.8	11/01/2023 18:27	

Lab ID:	31164051	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-51	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 201 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	12.9	ug/L	15	EPA 200.8	11/01/2023 18:28	

Lab ID:	31164052	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-52	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 202 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:29	

Lab ID:	31164053	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-53	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 202 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.21	ug/L	15	EPA 200.8	11/01/2023 18:30	

Lab ID:	31164054	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-54	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 203 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.63	ug/L	15	EPA 200.8	11/01/2023 18:31	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164055 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-55 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 203 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	8.31	ug/L	15	EPA 200.8	11/01/2023 18:32	

Lab ID: 31164056 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-56 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.72	ug/L	15	EPA 200.8	11/01/2023 18:33	

Lab ID: 31164057 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-57 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 204 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:42	

Lab ID: 31164058 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-58 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 205 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.66	ug/L	15	EPA 200.8	11/01/2023 18:43	

Lab ID: 31164059 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-59 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 205 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:44	

Lab ID: 31164060 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-60 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 206 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.36	ug/L	15	EPA 200.8	11/01/2023 18:45	

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**Workorder:** Valley View Elementary School (31164)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 31164061 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-61 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 206 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:46	

Lab ID: 31164062 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-62 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 207 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 18:47	

Lab ID: 31164063 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-63 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 207 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.12	ug/L	15	EPA 200.8	11/01/2023 18:48	

Lab ID: 31164064 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-64 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 208 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.14	ug/L	15	EPA 200.8	11/01/2023 18:49	

Lab ID: 31164065 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-65 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 208 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.60	ug/L	15	EPA 200.8	11/01/2023 18:50	

Lab ID: 31164066 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-66 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 209 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.74	ug/L	15	EPA 200.8	11/01/2023 18:51	

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Lab ID: 31164067 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-67 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 209 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.93	ug/L	15	EPA 200.8	11/01/2023 18:59	

Lab ID: 31164068 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-68 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 210 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.51	ug/L	15	EPA 200.8	11/01/2023 19:00	

Lab ID: 31164069 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-69 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 210 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.14	ug/L	15	EPA 200.8	11/01/2023 19:01	

Lab ID: 31164070 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-70 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 211 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.61	ug/L	15	EPA 200.8	11/01/2023 19:03	

Lab ID: 31164071 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-71 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 211 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:04	

Lab ID: 31164072 **Date Collected:** 10/10/2023 06:00 **Matrix:** Potable Water
Sample ID: 10102023VV-72 **Date Received:** 10/13/2023 13:30
Temp @ Receipt (C):
Sample Desc: Room 117 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	11/01/2023 19:05	

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Lab ID:	31164073	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-73	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 200 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.53	ug/L	15	EPA 200.8	11/01/2023 19:06	

Lab ID:	31164074	Date Collected:	10/10/2023 06:00	Matrix:	Potable Water	
Sample ID:	10102023VV-74	Date Received:	10/13/2023 13:30			
Temp @ Receipt (C):						
Sample Desc:	Room 200 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.35	ug/L	15	EPA 200.8	11/01/2023 19:07	

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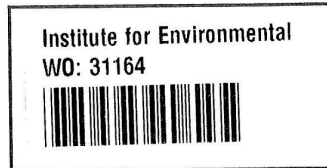
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Workorder: Valley View Elementary School (31164)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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31164

Client Name		Columbia Heights Public Schools		Building Name		Valley View Elementary School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@hessafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/10/2023		Time: 6:00 AM		Analyst By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
1	10102023VV-01	Boiler Room - Main Line	X			10/10/2023	250mL unpreserved	Lead			
2	10102023VV-02	Kitchen Sprayer	X			10/10/2023	250mL unpreserved	Lead	NFD		
3	10102023VV-03	Kitchen Tilt Skillet	X			10/10/2023	250mL unpreserved	Lead			
4	10102023VV-04	Cafeteria WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
5	10102023VV-05	Cafeteria WC	X			10/10/2023	250mL unpreserved	Lead	NFD		
6	10102023VV-06	Hallway next to Cafeteria North WC	X			10/10/2023	250mL unpreserved	Lead			
7	10102023VV-07	Hallway next to Cafeteria North WBF	X			10/10/2023	250mL unpreserved	Lead			
8	10102023VV-08	Hallway next to Cafeteria South WC	X			10/10/2023	250mL unpreserved	Lead			
9	10102023VV-09	Room 102 DF	X			10/10/2023	250mL unpreserved	Lead			
10	10102023VV-10	Room 100 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
11	10102023VV-11	Hallway outside Main Office - WC	X			10/10/2023	250mL unpreserved	Lead	WC Shut down for replacement. Get water turned on in order to sample.		
12	10102023VV-12	Room 110B SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
13	10102023VV-13	Room 110B HWD	X			10/10/2023	250mL unpreserved	Lead	NFD		
14	10102023VV-14	Room 110C SNK	X			10/10/2023	250mL unpreserved	Lead			
15	10102023VV-15	Room 110C Restroom SNK	X			10/10/2023	250mL unpreserved	Lead			
16	10102023VV-16	Room 116 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
17	10102023VV-17	Room 115 SNK	X			10/10/2023	250mL unpreserved	Lead			
18	10102023VV-18	Room 113 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
19	10102023VV-19	Room 105 SNK	X			10/10/2023	250mL unpreserved	Lead			
20	10102023VV-20	Room 28 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
21	10102023VV-21	Room 6 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
22	10102023VV-22	Room 8 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
23	10102023VV-23	Room 8 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
24	10102023VV-24	Room 10 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
25	10102023VV-25	Room 10 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
26	10102023VV-26	Room 12 SNK	X			10/10/2023	250mL unpreserved	Lead			
27	10102023VV-27	Room 12 DF	X			10/10/2023	250mL unpreserved	Lead			
28	10102023VV-28	Room 1 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
29	10102023VV-29	Room 1 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		

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Amb DR 13 Oct 23 13:30 20.5°C JFL 13 Oct 23 1330 20.5 1174

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Workorder: Valley View Elementary School (31164)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9513



Client Name		Columbia Heights Public Schools		Building Name		Valley View Elementary School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Amanda Edberg		Project #		202310624		Project Name		Columbia Heights 2023 Lead in Water Testing	
Phone #		763-315-7900		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Emma Hillis		Date: 10/10/2023		Time: 6:00 AM		Analysed By (Company)		Analyst	
Shipped By		Sashya Wandmaker		Date		Time		Turnaround Time		Notes	
Received By				Date		Time		Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
30	10102023VV-30	Room 3 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
31	10102023VV-31	Room 3 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
32	10102023VV-32	Room 5 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
33	10102023VV-33	Room 5 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
34	10102023VV-34	Room 7 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
35	10102023VV-35	Room 7 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
36	10102023VV-36	Room 9 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
37	10102023VV-37	Room 9 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
38	10102023VV-38	Room 11 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
39	10102023VV-39	Room 11 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
40	10102023VV-40	Room 13 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
41	10102023VV-41	Room 14 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
42	10102023VV-42	Room 15 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
43	10102023VV-43	Room 16 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
44	10102023VV-44	Room 17 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
45	10102023VV-45	Room 18 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
46	10102023VV-46	Hallway outside of 14 & 16 - WC	X			10/10/2023	250mL unpreserved	Lead	NFD		
47	10102023VV-47	Hallway next to 200 - North WC	X			10/10/2023	250mL unpreserved	Lead	NFD		
48	10102023VV-48	Hallway next to 200 - North WBF	X			10/10/2023	250mL unpreserved	Lead	NFD		
49	10102023VV-49	Hallway next to 200 - South WC	X			10/10/2023	250mL unpreserved	Lead	NFD		
50	10102023VV-50	Room 201 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
51	10102023VV-51	Room 201 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
52	10102023VV-52	Room 202 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
53	10102023VV-53	Room 202 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
54	10102023VV-54	Room 203 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
55	10102023VV-55	Room 203 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
56	10102023VV-56	Room 204 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		
57	10102023VV-57	Room 204 DF	X			10/10/2023	250mL unpreserved	Lead	NFD		
58	10102023VV-58	Room 205 SNK	X			10/10/2023	250mL unpreserved	Lead	NFD		

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Workorder: Valley View Elementary School (31164)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Sample Condition Checklist

Date: 13 Oct 23 Time: 13:30 ☐ AM ☒ PM
Account Name: IEA / Valley View Elem. By: Dawn R
Bill of Lading #: - Account #: -
Temp: 20.5 °C ROI ☐ Ambient ☒ Cooler #: -
TM#: 774 Ice Crystals Present in Sample ☐ Tracking #: -
MVTL Courier: Dan Metro Other: -
MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ SpeedDee ☐
Mail ☐ UPS Ground ☐ FedEx Ground ☐
Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Comments:		Containers Size (mL)		Container Type		Preservation				pH			
74	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*
Low Level Mercury Kit		**!!DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!**											
4 oz Jar		Clear	Amber			MeOH		None					n/a
2 oz Jar		Clear	Amber			MeOH		None					n/a
Vials Individual Set of 2 Set of 3		Clear	Amber			HCl	H ₃ PO ₄	H ₂ SO ₄	None				n/a
Vials Individual Set of 2 Set of 3		Clear	Amber			HCl	H ₃ PO ₄	H ₂ SO ₄	None				n/a
Trip Blank Individual Set of 2 Set of 3										n/a			
Moisture Vial										n/a			
Manure Bottle										n/a			

*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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