October 20, 2023

Providing Trusted
Health and Safety Solutions

Josh Austad
MACCRAY Public Schools
711 Wolverine Dr
Clara City, MN 56222

RE: K-12
Lead-in-Water First Draw – Initial Testing
IEA Project #202310680

Dear Mr. Austad:

At the request of MACCRAY Public Schools, IEA collected 60 water samples from identified potable water sources on September 29, 2023, for lead analyses from the following buildings:

- MACCRAY K-12

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. The MDH and MDE recommend taking a fixture out of service if levels are 20 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.

METHODOLOGY

IEA collected 60 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 MVTL Method: ICP/MS EPA Method 200.8

RESULTS & DISCUSSION

The lead-in-water sampling results ranged from below the level of detection <0.5 ppb to 23.4 ppb. There is one (1) sample result greater than the district designated level of 20 ppb. See *Table 1: 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.

Table 1: Water Testing Results Exceeding 20 ppb – September 29, 2023

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
092923-MACCRAY-09	K-12	Band Room Storage Bubbler	Fountian	**23.4**

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 notifying 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 MACCRAY 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 #11439 dated July 7, 2023, regarding lead-in-water sampling at MACCRAY 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.



Aaron Hess
EH&S Project Manager

AH/wb 102023

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
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com

Workorder: HS/MS/ELEM (29696)
Account #: 2190
Project #: 202310680

Client: Institute for Environmental Assessment (IEA)
PO: 202310680

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.

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 29696001 **Date Collected:** 09/28/2023 05:56 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-01 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Kitchen East Prep Left Sprayer

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:04	

Lab ID: 29696002 **Date Collected:** 09/28/2023 05:56 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-02 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Kitchen East Prep Right Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:05	

Lab ID: 29696003 **Date Collected:** 09/28/2023 05:56 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-03 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Kitchen Center Prep Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:06	

Lab ID: 29696004 **Date Collected:** 09/28/2023 05:59 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-04 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Kitchen Steamer Kettle Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**1.38**	ug/L	15	EPA 200.8	10/10/2023 13:07	

Lab ID: 29696005 **Date Collected:** 09/28/2023 06:01 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-05 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Kitchen Breakroom Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:08	

Lab ID: 29696006 **Date Collected:** 09/28/2023 06:02 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-06 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Commons Bottle Filler RIght

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www.MVTL.com

Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:09	

Lab ID: 29696007 **Date Collected:** 09/28/2023 06:04 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-07 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Commons Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:17	

Lab ID: 29696008 **Date Collected:** 09/28/2023 06:04 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-08 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Commons Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:18	

Lab ID: 29696009 **Date Collected:** 09/28/2023 06:04 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-09 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Band Room Storage Bubbler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**23.4**	ug/L	15	EPA 200.8	10/10/2023 13:19	

Lab ID: 29696010 **Date Collected:** 09/28/2023 06:08 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-10 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Fitness Center Bottle Filler Right

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

Lab ID: 29696011 **Date Collected:** 09/28/2023 06:22 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-11 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Fitness Center Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:22	

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 29696012 **Date Collected:** 09/28/2023 06:22 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-12 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Fitness Center Fountain Right

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

Lab ID: 29696013 **Date Collected:** 09/28/2023 06:23 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-13 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Locker Hallway Girls Bottle Filler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:24	

Lab ID: 29696014 **Date Collected:** 09/28/2023 06:24 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-14 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: HS Locker Rm Hallway Boys Bottle Filler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:25	

Lab ID: 29696015 **Date Collected:** 09/28/2023 06:25 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-15 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: District Office Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:26	

Lab ID: 29696016 **Date Collected:** 09/28/2023 06:26 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-16 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Main Entrance Bottle Filler LEft

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:27	

Lab ID: 29696017 **Date Collected:** 09/28/2023 06:27 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-17 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Main Entrance Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual

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Analytical Results

Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:35	

Lab ID: 29696018 **Date Collected:** 09/28/2023 06:29 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-18 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Main Entrance Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:36	

Lab ID: 29696019 **Date Collected:** 09/28/2023 06:30 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-19 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Science Hallway Bottle Filler Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:37	

Lab ID: 29696020 **Date Collected:** 09/28/2023 06:32 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-20 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Science Hallway Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:38	

Lab ID: 29696021 **Date Collected:** 09/28/2023 06:33 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-21 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Science Hallway Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:39	

Lab ID: 29696022 **Date Collected:** 09/28/2023 06:34 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-22 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Teacher's Lounge 147 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:40	

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 29696023 **Date Collected:** 09/28/2023 06:36 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-23 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: MS Locker Room Bottle Filler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:41	

Lab ID: 29696024 **Date Collected:** 09/28/2023 06:36 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-24 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Nurse's Office Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:42	

Lab ID: 29696025 **Date Collected:** 09/28/2023 06:36 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-25 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Elementary Kitchen Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**0.78**	ug/L	15	EPA 200.8	10/10/2023 13:43	

Lab ID: 29696026 **Date Collected:** 09/28/2023 06:37 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-26 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Teacher's Lounge 303 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:45	

Lab ID: 29696027 **Date Collected:** 09/28/2023 06:37 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-27 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Elementary Commons Bottle Filler Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:53	

Lab ID: 29696028 **Date Collected:** 09/28/2023 06:38 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-28 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Elementary Commons Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual

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Analytical Results

Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:54	

Lab ID: 29696029 **Date Collected:** 09/28/2023 06:39 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-29 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Elementary Commons Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:55	

Lab ID: 29696030 **Date Collected:** 09/28/2023 06:40 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-30 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 316 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:56	

Lab ID: 29696031 **Date Collected:** 09/28/2023 06:41 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-31 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 318 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:57	

Lab ID: 29696032 **Date Collected:** 09/28/2023 06:41 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-32 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 320 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:58	

Lab ID: 29696033 **Date Collected:** 09/28/2023 06:43 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-33 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 322 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 13:59	

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 29696034 **Date Collected:** 09/28/2023 06:45 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-34 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 324 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**0.85**	ug/L	15	EPA 200.8	10/10/2023 14:00	

Lab ID: 29696035 **Date Collected:** 09/28/2023 06:46 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-35 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 323 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:01	

Lab ID: 29696036 **Date Collected:** 09/28/2023 06:47 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-36 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 321 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:02	

Lab ID: 29696037 **Date Collected:** 09/28/2023 06:48 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-37 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 319 Faucet

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

Lab ID: 29696038 **Date Collected:** 09/28/2023 06:50 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-38 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 317 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**1.06**	ug/L	15	EPA 200.8	10/10/2023 14:16	

Lab ID: 29696039 **Date Collected:** 09/28/2023 06:54 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-39 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 315 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lead	**0.78**	ug/L	15	EPA 200.8	10/10/2023 14:17	

Lab ID: 29696040 **Date Collected:** 09/28/2023 06:56 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-40 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 313 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**0.97**	ug/L	15	EPA 200.8	10/10/2023 14:18	

Lab ID: 29696041 **Date Collected:** 09/28/2023 07:17 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-41 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 310 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**3.11**	ug/L	15	EPA 200.8	10/10/2023 14:19	

Lab ID: 29696042 **Date Collected:** 09/28/2023 07:18 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-42 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 1st Grd Hallway bottle Filler Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:20	

Lab ID: 29696043 **Date Collected:** 09/28/2023 07:21 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-43 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 1st Grd Hallway Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:21	

Lab ID: 29696044 **Date Collected:** 09/28/2023 07:21 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-44 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 1st Grd Hallway Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:22	

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 29696045 **Date Collected:** 09/28/2023 07:22 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-45 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 348 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:23	

Lab ID: 29696046 **Date Collected:** 09/28/2023 07:23 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-46 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 349 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**0.82**	ug/L	15	EPA 200.8	10/10/2023 14:24	

Lab ID: 29696047 **Date Collected:** 09/28/2023 07:24 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-47 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 353 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**1.84**	ug/L	15	EPA 200.8	10/10/2023 14:33	

Lab ID: 29696048 **Date Collected:** 09/28/2023 07:24 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-48 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 356 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:34	

Lab ID: 29696049 **Date Collected:** 09/28/2023 07:25 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-49 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Room 357 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:35	

Lab ID: 29696050 **Date Collected:** 09/28/2023 07:27 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-50 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 4th Grd Hallway Bottle Filler Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual

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Analytical Results

Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:36	

Lab ID: 29696051 **Date Collected:** 09/28/2023 07:28 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-51 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 4th Grd Hallway Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:37	

Lab ID: 29696052 **Date Collected:** 09/28/2023 07:30 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-52 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: 4th Grd Hallway Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:38	

Lab ID: 29696053 **Date Collected:** 09/28/2023 07:31 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-53 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: FACS 210 South Left Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:39	

Lab ID: 29696054 **Date Collected:** 09/28/2023 07:31 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-54 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: FACS 210 South Right Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:40	

Lab ID: 29696055 **Date Collected:** 09/28/2023 07:32 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-55 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: FACS 210 North Left Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:41	

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Lab ID: 29696056 **Date Collected:** 09/28/2023 07:32 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-56 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: FACS 210 North Right Faucet

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

Lab ID: 29696057 **Date Collected:** 09/28/2023 07:34 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-57 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: FACS 210 Center Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	**0.74**	ug/L	15	EPA 200.8	10/10/2023 14:50	

Lab ID: 29696058 **Date Collected:** 09/28/2023 07:36 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-58 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Green Room Bottle Filler Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:52	

Lab ID: 29696059 **Date Collected:** 09/28/2023 07:38 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-59 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Green Room Fountain Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:53	

Lab ID: 29696060 **Date Collected:** 09/28/2023 07:40 **Matrix:** Potable Water
Sample ID: 092823-MACCRAY-60 **Date Received:** 09/29/2023 10:40
Temp @ Receipt (C):
Sample Desc: Green Room Fountain Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:54	

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

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29696

Client Name	MACCRAY Public Schools	Building Name	HS/MS/ELEM	Analytical Lab	MVTL
Contact Name	Aaron Hess	Project #	202310680	Project Name	MACCRAY - 2023 Lead in Water Sampling
Phone #	507-829-7372	IEA Fax #		Written Sample Results To	aaron.hess@ieasafety.com
Other Information					
Sampled By	Aaron Hess	Date	9/28/2023	Time	6:00 AM
Shipped By	MVTL 1126 N Front St Building #New Ulm, MN 56073	Date	9/29/2023	Time	
Received By	AF	Date	29Sep23	Time	10:40

Analyzed By (Company)	Analyst	Date & Time
Turnaround Time		Notes
Sample Condition		Temperature 20.6 TM870

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type: Water	Soil	Other	Date Sampled	Time Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
	092823-MACCRAY-01	HS Kitchen East Prep Left Sprayer	X			9/28/2023	5:56 AM	250 ml unpreserved	Lead	1 MACCRAY K-12
	092823-MACCRAY-02	HS Kitchen East Prep Right Faucet	X			9/28/2023	5:56 AM	250 ml unpreserved	Lead	2 MACCRAY K-12
	092823-MACCRAY-03	HS Kitchen Center Prep Faucet	X			9/28/2023	5:56 AM	250 ml unpreserved	Lead	3 MACCRAY K-12
	092823-MACCRAY-04	HS Kitchen Steamer Kettle Faucet	X			9/28/2023	5:59 AM	250 ml unpreserved	Lead	4 MACCRAY K-12
	092823-MACCRAY-05	HS Kitchen Breakroom Faucet	X			9/28/2023	6:01 AM	250 ml unpreserved	Lead	5 MACCRAY K-12
	092823-MACCRAY-06	HS Commons Bottle Filler Right	X			9/28/2023	6:02 AM	250 ml unpreserved	Lead	6 MACCRAY K-12
	092823-MACCRAY-07	HS Commons Fountian Right	X			9/28/2023	6:04 AM	250 ml unpreserved	Lead	7 MACCRAY K-12
	092823-MACCRAY-08	HS Commons Fountian Left	X			9/28/2023	6:04 AM	250 ml unpreserved	Lead	8 MACCRAY K-12
	092823-MACCRAY-09	Band Room Storage Bubbler	X			9/28/2023	6:04 AM	250 ml unpreserved	Lead	9 MACCRAY K-12
	092823-MACCRAY-10	Fitness Center Bottle Filler Right	X			9/28/2023	6:08 AM	250 ml unpreserved	Lead	10 MACCRAY K-12
	092823-MACCRAY-11	Fitness Center Fountian Left	X			9/28/2023	6:22 AM	250 ml unpreserved	Lead	11 MACCRAY K-12
	092823-MACCRAY-12	Fitness Center Fountian Right	X			9/28/2023	6:22 AM	250 ml unpreserved	Lead	12 MACCRAY K-12
	092823-MACCRAY-13	HS Locker Rm Hallway Girls Bottle Filler	X			9/28/2023	6:23 AM	250 ml unpreserved	Lead	13 MACCRAY K-12
	092823-MACCRAY-14	HS Locker Rm Hallway Boys Bottle Filler	X			9/28/2023	6:24 AM	250 ml unpreserved	Lead	14 MACCRAY K-12
	092823-MACCRAY-15	District Office Faucet	X			9/28/2023	6:25 AM	250 ml unpreserved	Lead	15 MACCRAY K-12
	092823-MACCRAY-16	Main Entrance Bottle Filler Left	X			9/28/2023	6:26 AM	250 ml unpreserved	Lead	16 MACCRAY K-12
	092823-MACCRAY-17	Main Entrance Fountian Left	X			9/28/2023	6:27 AM	250 ml unpreserved	Lead	17 MACCRAY K-12
	092823-MACCRAY-18	Main Entrance Fountian Right	X			9/28/2023	6:29 AM	250 ml unpreserved	Lead	18 MACCRAY K-12
	092823-MACCRAY-19	Science Hallway Bottle Filler Right	X			9/28/2023	6:30 AM	250 ml unpreserved	Lead	19 MACCRAY K-12
	092823-MACCRAY-20	Science Hallway Fountian Left	X			9/28/2023	6:32 AM	250 ml unpreserved	Lead	20 MACCRAY K-12
	092823-MACCRAY-21	Science Hallway Fountian Right	X			9/28/2023	6:33 AM	250 ml unpreserved	Lead	21 MACCRAY K-12
	092823-MACCRAY-22	Teacher's Lounge 147 Faucet	X			9/28/2023	6:34 AM	250 ml unpreserved	Lead	22 MACCRAY K-12
	092823-MACCRAY-23	MS Locker Room Bottle Filler	X			9/28/2023	6:36 AM	250 ml unpreserved	Lead	23 MACCRAY K-12
	092823-MACCRAY-24	Nurse's Office Faucet	X			9/28/2023	6:36 AM	250 ml unpreserved	Lead	24 MACCRAY K-12
	092823-MACCRAY-25	Elementary Kitchen Faucet	X			9/28/2023	6:36 AM	250 ml unpreserved	Lead	25 MACCRAY K-12
	092823-MACCRAY-26	Teacher's Lounge 303 Faucet	X			9/28/2023	6:37 AM	250 ml unpreserved	Lead	26 MACCRAY K-12
	092823-MACCRAY-27	Elementary Commons Bottle Filler Right	X			9/28/2023	6:37 AM	250 ml unpreserved	Lead	27 MACCRAY K-12
	092823-MACCRAY-28	Elementary Commons Fountain Right	X			9/28/2023	6:38 AM	250 ml unpreserved	Lead	28 MACCRAY K-12
	092823-MACCRAY-29	Elementary Commons Fountian Left	X			9/28/2023	6:39 AM	250 ml unpreserved	Lead	29 MACCRAY K-12

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

AMB DR 29 Sep 23 10:40 20.6C TM870

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29696

Client Name	MACCRAY Public Schools	Building Name	HS/MS/ELEM	Analytical Lab	MVTL
Contact Name	Aaron Hess	Project #	202310680	Project Name	MACCRAY - 2023 Lead in Water Sampling
Phone #	507-829-7372	IEA Fax #		Written Sample Results To	aaron.hess@ieasafcty.com
Other Information					
Sampled By	Aaron Hess	Date	9/28/2023	Time	6:00 AM
Shipped By	MVTL 1126 N Front St Building #New Ulm, MN 56073	Date	9/29/2023	Time	
Received By		Date		Time	

Analyzed By (Company)	Analyst	Date & Time
Turnaround Time		Notes
Sample Condition		Temperature

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type: Water	Sample Type: Soil	Sample Type: Other	Date Sampled	Time Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
	092823-MACCRAY-30	Room 316 Faucet	X			9/28/2023	6:40 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-31	Room 318 Faucet	X			9/28/2023	6:41 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-32	Room 320 Faucet	X			9/28/2023	6:41 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-33	Room 322 Faucet	X			9/28/2023	6:43 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-34	Room 324 Faucet	X			9/28/2023	6:45 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-35	Room 323 Faucet	X			9/28/2023	6:46 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-36	Room 321 Faucet	X			9/28/2023	6:47 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-37	Room 319 Faucet	X			9/28/2023	6:48 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-38	Room 317 Faucet	X			9/28/2023	6:50 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-39	Room 315 Faucet	X			9/28/2023	6:54 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-40	Room 313 Faucet	X			9/28/2023	6:56 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-41	Room 310 Faucet	X			9/28/2023	7:17 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-42	1st Grd Hallway Bottle Filler Right	X			9/28/2023	7:18 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-43	1st Grd Hallway Fountian Right	X			9/28/2023	7:21 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-44	1st Grd Hallway Fountian Left	X			9/28/2023	7:21 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-45	Room 348 Faucet	X			9/28/2023	7:22 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-46	Room 349 Faucet	X			9/28/2023	7:23 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-47	Room 353 Faucet	X			9/28/2023	7:24 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-48	Room 356 Faucet	X			9/28/2023	7:24 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-49	Room 357 Faucet	X			9/28/2023	7:25 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-50	4th Grd Hallway Bottle Filler Right	X			9/28/2023	7:27 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-51	4th Grd Hallway Fountian Right	X			9/28/2023	7:28 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-52	4th Grd Hallway Fountian Left	X			9/28/2023	7:30 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-53	FACS 210 South Left Faucet	X			9/28/2023	7:31 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-54	FACS 210 South Right Faucet	X			9/28/2023	7:31 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-55	FACS 210 North Left Faucet	X			9/28/2023	7:32 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-56	FACS 210 North Right Faucet	X			9/28/2023	7:32 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-57	FACS 210 Center Faucet	X			9/28/2023	7:34 AM	250 ml unpreserved	Lead	MACCRAY K-12
	092823-MACCRAY-58	Green Room Bottle Filler Right	X			9/28/2023	7:36 AM	250 ml unpreserved	Lead	MACCRAY K-12

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

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1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com

Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

3 of 3

29696

Chain of Custody

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

Client Name	MACCRAY Public Schools	Building Name	HS/MS/ELEM	Analytical Lab	MVTL
Contact Name	Aaron Hess	Project #	202310680	Project Name	MACCRAY - 2023 Lead in Water Sampling
Phone #	507-829-7372	IEA Fax #		Written Sample Results To	aaron.hess@ieasafety.com
Other Information					
Sampled By	Aaron Hess	Date	9/28/2023	Time	6:00 AM
Shipped By	MVTL 1126 N Front St Building #New Ulm, MN 56073	Date	9/29/2023	Time	
Received By		Date		Time	

Analyzed By (Company)						Analyst		Date & Time		
Turnaround Time						Notes				
Sample Condition						Temperature				

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type: Water	Sample Type: Soil	Sample Type: Other	Date Sampled	Time Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
	092823-MACCRAY-59	Green Room Fountian Right	X			9/28/2023	7:38 AM	250 ml unpreserved	Lead	59 MACCRAY K-12
	092823-MACCRAY-60	Green Room Fountian Left	X			9/28/2023	7:40 AM	250 ml unpreserved	Lead	60 MACCRAY K-12

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

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Workorder: HS/MS/ELEM (29696) **Client:** Institute for Environmental Assessment (IEA)

Sample Condition Checklist

29/9/23

Date: 29 Sep 23 Time: 10:40 ☒ AM ☐ PM By: DmcR

Account Name: IEA / Maccray P.S. Account # —

Bill of Lading #: — Cooler #: —

Temp: 20.6 °C ROI ☐ Ambient ☒ Tracking #: —

TM#: 470 Ice Crystals Present in Sample ☐

MVTL Courier: Other: —

MVTL Route: Soil Route Walk-In ☒ UPS Air ☐ FedEx Air ☐ SpeeDee ☐

Mail ☐ UPS Ground ☐ Fed Ex 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
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_4 NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	$NaHSO_4$ $Na_2O_3S_2$ NONE HNO_3 H_2SO_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_3PO_4 H_2SO_4 None	n/a
	Vials Individual Set of 2 Set of 3	Clear Amber	HCl H_3PO_4 H_2SO_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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