

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Arundel Middle School**

ELEVATED LEAD WATER SAMPLE RESULT(S)

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations. On December 7, 2018, **ninety-four (94)** lead water samples were collected from **Arundel Middle School**. Of these lead water samples, two (2) had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead result from the sample(s) collected at Arundel Middle School were as follows:

Sample Number 000045-Room 121 Hand Sink (by window): 21.4 ppb (non-consumable).

Sample Number 000116-Room 116 A Hand Sink (near window): 221 ppb (non-consumable).

ACTION LEVEL (AL)

The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, and cosmetics, exposure in the work place and exposure from certain hobbies, brass faucets, fittings, and valves. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

IMMEDIATE ACTIONS TAKEN

1. Two (2) non-consumable water sources consisting of hand sinks will be posted with green signage indicating "Hand Washing Only" and retested.

NEXT STEPS

1. Two (2) non-consumable water sources will be replaced and retested in accordance with the regulations.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

1. For additional information, please contact Chris Williams, Environmental Issues Program Manager, at 410-360-0138. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.



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CERTIFICATE OF ANALYSIS

18L0542

KCI Technologies

Project Name: Arundel Middle School (3023)

Tehsin Aurangabadwala
936 Ridgebrook Road
Sparks, MD 21152

Project / PO Number: N/A
Received: 12/07/2018
Reported: 01/18/2019

Analytical Testing Parameters

Table with client sample details: Client Sample ID: 3023-1 Cafeteria Bubbler/Drinking Fountain DF C, Sample Matrix: Drinking Water, Lab Sample ID: 18L0542-01, Collected By: Shakia Dawkins, Collection Date: 12/07/2018 5:09

Table header for Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table row for Lead: Result <1.0, Limit(s) 20.0, RL 1.0, Units ppb, Prepared 01/03/19 1305, Analyzed 01/10/19 1618, Analyst GHW

Table with client sample details: Client Sample ID: 3023-2 Kitchen Sink behind freezer KS C, Sample Matrix: Drinking Water, Lab Sample ID: 18L0542-02, Collected By: Shakia Dawkins, Collection Date: 12/07/2018 5:09

Table header for Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table row for Lead: Result <1.0, Limit(s) 20.0, RL 1.0, Units ppb, Prepared 01/03/19 1305, Analyzed 01/10/19 1622, Analyst GHW

Table with client sample details: Client Sample ID: 3023-3 Kitchen Sink behind serving line KS C, Sample Matrix: Drinking Water, Lab Sample ID: 18L0542-03, Collected By: Shakia Dawkins, Collection Date: 12/07/2018 5:10

Table header for Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table row for Lead: Result <1.0, Limit(s) 20.0, RL 1.0, Units ppb, Prepared 01/03/19 1305, Analyzed 01/10/19 1623, Analyst GHW

Table with client sample details: Client Sample ID: 3023-4 Kitchen Sink window side right KS C, Sample Matrix: Drinking Water, Lab Sample ID: 18L0542-04, Collected By: Shakia Dawkins, Collection Date: 12/07/2018 5:11

Table header for Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table row for Lead: Result 1.2, Limit(s) 20.0, RL 1.0, Units ppb, Prepared 01/03/19 1305, Analyzed 01/10/19 1625, Analyst GHW



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Client Sample ID: 3023-5 Kitchen Sink window side center KS C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:11
Lab Sample ID: 18L0542-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1626	GHW

Client Sample ID: 3023-6 Kitchen Sink window side left KS C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:12
Lab Sample ID: 18L0542-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1627	GHW

Client Sample ID: 3023-7 Kitchen Sink wall side KS C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:14
Lab Sample ID: 18L0542-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1631	GHW

Client Sample ID: 3023-8 Kitchen Bathroom Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:10
Lab Sample ID: 18L0542-08	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1633	GHW



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Client Sample ID: 3023-9 Faculty W Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:16
Lab Sample ID: 18L0542-09	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1634	GHW

Client Sample ID: 3023-10 Faculty M Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:17
Lab Sample ID: 18L0542-10	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1636	GHW

Client Sample ID: 3023-11 Hallway by 100 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:17
Lab Sample ID: 18L0542-11	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1637	GHW

Client Sample ID: 3023-14 Hallway by 103 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:19
Lab Sample ID: 18L0542-14	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1641	GHW



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Client Sample ID: 3023-15 Boys by 103 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:19
Lab Sample ID: 18L0542-15	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1642	GHW

Client Sample ID: 3023-16 Boys by 103 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:20
Lab Sample ID: 18L0542-16	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1644	GHW

Client Sample ID: 3023-17 Boys by 103 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:20
Lab Sample ID: 18L0542-17	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1648	GHW

Client Sample ID: 3023-18 Boys by 103 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:20
Lab Sample ID: 18L0542-18	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1649	GHW



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Client Sample ID: 3023-20 Girls by 104 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:22
Lab Sample ID: 18L0542-20	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1651	GHW

Client Sample ID: 3023-21 Girls by 104 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:22
Lab Sample ID: 18L0542-21	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1652	GHW

Client Sample ID: 3023-22 Girls by 104 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:23
Lab Sample ID: 18L0542-22	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1653	GHW

Client Sample ID: 3023-23 Girls by 104 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:23
Lab Sample ID: 18L0542-23	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1655	GHW



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Client Sample ID: 3023-27 Hallway by 109 Bubblers/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:25
Lab Sample ID: 18L0542-27	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1659	GHW

Client Sample ID: 3023-28 Main Office Staff Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:27
Lab Sample ID: 18L0542-28	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1705	GHW

Client Sample ID: 3023-29 Principals Bathroom Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:28
Lab Sample ID: 18L0542-29	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1707	GHW

Client Sample ID: 3023-30 Boiler Janitor Bathroom Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:28
Lab Sample ID: 18L0542-30	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	12.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1708	GHW



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Client Sample ID: 3023-31 Hallway by 110 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:29
Lab Sample ID: 18L0542-31	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1709	GHW

Client Sample ID: 3023-32 Girls by 112 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:30
Lab Sample ID: 18L0542-32	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1711	GHW

Client Sample ID: 3023-33 Girls by 112 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:30
Lab Sample ID: 18L0542-33	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1712	GHW

Client Sample ID: 3023-34 Girls by 112 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:30
Lab Sample ID: 18L0542-34	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	3.9	20.0	1.0	ppb		01/03/19 1305	01/10/19 1713	GHW



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Client Sample ID: 3023-35 Girls by 112 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:30
Lab Sample ID: 18L0542-35	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.2	20.0	1.0	ppb		01/03/19 1305	01/10/19 1715	GHW

Client Sample ID: 3023-36 117 Hand Sink CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:33
Lab Sample ID: 18L0542-36	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.6	20.0	1.0	ppb		01/03/19 1305	01/10/19 1716	GHW

Client Sample ID: 3023-37 Hallway by 117 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:34
Lab Sample ID: 18L0542-37	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1720	GHW

Client Sample ID: 3023-39 Boys by 117 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:35
Lab Sample ID: 18L0542-39	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1724	GHW



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Client Sample ID: 3023-40 Boys by 117 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:35
Lab Sample ID: 18L0542-40	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1725	GHW

Client Sample ID: 3023-41 Boys by 117 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:35
Lab Sample ID: 18L0542-41	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1727	GHW

Client Sample ID: 3023-42 114B Hand Sink CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:37
Lab Sample ID: 18L0542-42	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	3.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1728	GHW

Client Sample ID: 3023-43 116A Hand Sink-L CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:38
Lab Sample ID: 18L0542-43	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	15.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1729	GHW



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Client Sample ID: 3023-44 116A Hand Sink-R CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:38
Lab Sample ID: 18L0542-44	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	6.3	20.0	1.0	ppb		01/03/19 1305	01/10/19 1731	GHW

Client Sample ID: 3023-45 121 by window Hand Sink CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:38
Lab Sample ID: 18L0542-45	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	21.4	20.0	1.0	ppb		01/03/19 1305	01/10/19 1732	GHW

Client Sample ID: 3023-46 121 Station 3 Dual Sink (wall Side) HE C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:43
Lab Sample ID: 18L0542-46	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.6	20.0	1.0	ppb		01/03/19 1305	01/10/19 1744	GHW

Client Sample ID: 3023-47 121 Station 2 Dual Sink (wall Side) HE C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:46
Lab Sample ID: 18L0542-47	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	5.5	20.0	1.0	ppb		01/03/19 1305	01/10/19 1746	GHW



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Client Sample ID: 3023-48 121 Station 1 Dual Sink (class side) HE C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018 5:46
Lab Sample ID: 18L0542-48	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1750	GHW

Client Sample ID: 3023-49 121 Station 5 Dual Sink (wall Side) HE C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-49	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1754	GHW

Client Sample ID: 3023-50 121 Station 4 Dual Sink (wall Side) HE C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-50	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.1	20.0	1.0	ppb		01/03/19 1305	01/10/19 1755	GHW

Client Sample ID: 3023-51 Health Room Nurses Office Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-51	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1756	GHW



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Client Sample ID: 3023-52 Health Room Inside Suite Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-52	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1800	GHW

Client Sample ID: 3023-53 Hallway by Gym Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-53	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1802	GHW

Client Sample ID: 3023-54 Gym Scoreboard wall Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-54	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1803	GHW

Client Sample ID: 3023-55 Gym stage wall Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-55	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1804	GHW



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Client Sample ID: 3023-56 Girls Locker Room Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-56	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1806	GHW

Client Sample ID: 3023-57 Girls Locker Room Hand Sink-C BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-57	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1807	GHW

Client Sample ID: 3023-58 Girls Locker Room Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-58	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1808	GHW

Client Sample ID: 3023-59 Girls Locker Room Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-59	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.7	20.0	1.0	ppb		01/03/19 1305	01/10/19 1812	GHW



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Client Sample ID: 3023-60 Girls Locker Room Office Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-60	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1816	GHW

Client Sample ID: 3023-61 Boys Locker Room Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-61	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1818	GHW

Client Sample ID: 3023-62 Boys Locker Room Hand Sink-C BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-62	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1819	GHW

Client Sample ID: 3023-63 Boys Locker Room Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-63	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1820	GHW



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Client Sample ID: 3023-64 Boys Locker Room Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-64	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1822	GHW

Client Sample ID: 3023-65 Boys Locker Room Office Hand Sink BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-65	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1823	GHW

Client Sample ID: 3023-66 Hallway by Boys Locker Room Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-66	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1305	01/10/19 1824	GHW

Client Sample ID: 3023-70 135 Hand Sink CR C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-70	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	2.6	20.0	1.0	ppb		01/03/19 1305	01/10/19 1826	GHW



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Client Sample ID: 3023-71 Faculty by 135 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-71	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.9	20.0	1.0	ppb		01/03/19 1315	01/10/19 1832	GHW

Client Sample ID: 3023-72 Faculty by 135 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-72	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1836	GHW

Client Sample ID: 3023-73 120 Hand Sink-L CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-73	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	9.1	20.0	1.0	ppb		01/03/19 1315	01/10/19 1838	GHW

Client Sample ID: 3023-74 120 Hand Sink-R CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-74	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	4.8	20.0	1.0	ppb		01/03/19 1315	01/10/19 1839	GHW



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Client Sample ID: 3023-75 120 Bubbler CR C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-75	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1840	GHW

Client Sample ID: 3023-76 Faculty Men by 123 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-76	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1842	GHW

Client Sample ID: 3023-77 Faculty Men by 123 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-77	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1843	GHW

Client Sample ID: 3023-78 Faculty Women by 123 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-78	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	1.5	20.0	1.0	ppb		01/03/19 1315	01/10/19 1844	GHW



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Client Sample ID: 3023-79 Faculty Women by 123 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-79	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1848	GHW

Client Sample ID: 3023-80 Hallway by 123 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-80	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1850	GHW

Client Sample ID: 3023-81 Boys by 223 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-81	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1851	GHW

Client Sample ID: 3023-82 Boys by 223 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-82	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1855	GHW



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Client Sample ID: 3023-83 Boys by 223 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-83	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1857	GHW

Client Sample ID: 3023-84 Boys by 223 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-84	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1858	GHW

Client Sample ID: 3023-85 Hallway by 221 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-85	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1859	GHW

Client Sample ID: 3023-86 Girls by 220 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-86	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1901	GHW



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Client Sample ID: 3023-87 Girls by 220 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-87	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1905	GHW

Client Sample ID: 3023-88 Girls by 220 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-88	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	2.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1906	GHW

Client Sample ID: 3023-89 Girls by 220 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-89	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1907	GHW

Client Sample ID: 3023-90 Hallway by 216 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-90	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1909	GHW



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Client Sample ID: 3023-104 Media Center Office Hand Sink OT C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AE	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.1	20.0	1.0	ppb		01/03/19 1315	01/10/19 1913	GHW

Client Sample ID: 3023-105 Hallway by 212 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AF	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1917	GHW

Client Sample ID: 3023-106 Girls by 208 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AG	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.7	20.0	1.0	ppb		01/03/19 1315	01/10/19 1921	GHW

Client Sample ID: 3023-107 Girls by 208 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AH	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1922	GHW



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18L0542

Client Sample ID: 3023-108 Girls by 208 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AI	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1924	GHW

Client Sample ID: 3023-109 Girls by 208 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AJ	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1925	GHW

Client Sample ID: 3023-110 Hallway across from 208 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AK	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1926	GHW

Client Sample ID: 3023-111 Boys by 205 Hand Sink-L BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AL	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1928	GHW



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18L0542

Client Sample ID: 3023-112 Boys by 205 Hand Sink-LC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AM	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1929	GHW

Client Sample ID: 3023-113 Boys by 205 Hand Sink-RC BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AN	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1930	GHW

Client Sample ID: 3023-114 Boys by 205 Hand Sink-R BS NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AO	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1932	GHW

Client Sample ID: 3023-115 Hallway by 202 Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AP	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1938	GHW



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18L0542

Client Sample ID: 3023-116 116A Hand Sink Near Window CR NC	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AQ	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	221	20.0	1.0	ppb		01/03/19 1315	01/10/19 1940	GHW

Client Sample ID: 3023-117 Hallway by Health Room 116B Bubbler/Drinking Fountain DF C	Collected By: Shakia Dawkins
Sample Matrix: Drinking Water	Collection Date: 12/07/2018
Lab Sample ID: 18L0542-AR	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/03/19 1315	01/10/19 1941	GHW

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

RL: Reporting Limit

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Jake Mason
 Client Relations
 Reported: 01/18/2019 14:51



18L0542

KCI Technologies, Inc. Chain of Custody

KCI Technologies, Inc. 936 Ridgebrook Rd., Baltimore, MD 21152 (410) 316-7800 John.Adams@kci.com

AACPS Drinking Water Lead Survey

Sample Date/Start Time: 12/7/18 5:09a End Time 6:32a

Bottle Type/Preservative: 250 ml plastic/HNO3 Analysis: (EPA 200.8) Samples Preserved: Yes or No Notes:

Sampled/Relinquished by: Shakia Dawkins Received at Microbac by: [Signature] Date/Time 12/07/18 0827

Total Samples Submitted 94 Total Samples Not Submitted 23 16.8°C



18L0542

Arundel Middle School (3023)

Hammond Ln, Odenton, MD 21113

RIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 8PM AND 9PM

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bib, etc.)	Outlet Key Codes	Consumption C or NC	Sample Time
1	Cafeteria	<u>Next to projector</u> Bubbler/Drinking Fountain	DF	C	5:09
2	Cafeteria	Sink - <u>Behind freezer</u>	KS	C	5:09
3	Cafeteria	Sink - <u>Behind serving line</u>	KS	C	5:10
4	Cafeteria	<u>Window side</u> Sink - R	KS	C	5:11
5	Cafeteria	<u>Window side</u> Sink - C	KS	C	5:11
6	Cafeteria	<u>Window side</u> Sink - L	KS	C	5:12
7	Cafeteria	<u>Wall side</u> Sink -	KS	C	5:14
8	Cafeteria	Hand Sink	BS	NC	5:10
9	Faculty W	Hand Sink	BS	NC	5:16
10	Faculty M	Hand Sink	BS	NC	5:17
11	Hallway by 100	Bubbler/Drinking Fountain	DF	C	5:17
12	101 (Science)	Hand Sink	CR	NC	
13	103	Hand Sink	CR	NC	
14	Hallway by 103	Bubbler/Drinking Fountain	DF	C	5:19
15	Boys by 103	Hand Sink - L	BS	NC	5:19
16	Boys by 103	Hand Sink - LC	BS	NC	5:20
17	Boys by 103	Hand Sink - RC	BS	NC	5:20
18	Boys by 103	Hand Sink - R	BS	NC	5:20
19	105 (Science)	Hand Sink	CR	NC	
20	Girls by 104	Hand Sink - L	BS	NC	5:22



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AACPS Drinking Water Lead Survey

Arundel Middle School (3023)

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bib, etc.)	Outlet Key Codes	Consumption C or NC	Sample Time
21	Girls by 104	Hand Sink - LC	BS	NC	5:22
22	Girls by 104	Hand Sink - RC	BS	NC	5:23
23	Girls by 104	Hand Sink - R	BS	NC	5:23
* 24	108 (Science)	Hand Sink	CR	NC	
* 25	107	Hand Sink	CR	NC	
* 26	107	Hand Sink	CR	NC	
27	Hallway by 109	Bubbler/Drinking Fountain	DF	C	5:25
28	Main Office Staff	Hand Sink	BS	NC	5:27
29	Principals Bathroom	Hand Sink	BS	NC	5:28
30	Boiler Janitor Bathroom	Hand Sink	BS	NC	5:28
31	Hallway by 110	Bubbler/Drinking Fountain	DF	C	5:29
32	Girls by 112 (114A)	Hand Sink - L	BS	NC	5:30
33	Girls by 112 (114A)	Hand Sink - LC	BS	NC	5:30
34	Girls by 112 (114A)	Hand Sink - RC	BS	NC	5:30
35	Girls by 112 (114A)	Hand Sink - R	BS	NC	5:30
36	117	Hand Sink	CR	NC	5:33
37	Hallway by 117	Bubbler/Drinking Fountain	DF	C	5:34
* 38	Boys by 117	Broken Hand Sink - L	BS	NC	5:33
39	Boys by 117	Hand Sink - LC	BS	NC	5:35
40	Boys by 117	Hand Sink - RC	BS	NC	5:35
41	Boys by 117	Hand Sink - R	BS	NC	5:35
42	114B	Hand Sink	CR	NC	5:37
43	116A	Hand Sink - L	CR	NC	5:38
44	116A	Hand Sink - R	CR	NC	5:38
45	121	Hand Sink - By window	CR	NC	5:43
46	121 Station 3	Dual Sink (wall Side)	HE	C	5:46
47	121 Station 2	Dual Sink (wall Side)	HE	C	5:46



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AACPS Drinking Water Lead Survey

Arundel Middle School (3023)

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bib, etc.)	Outlet Key Codes	Consumption C or NC	Sample Time
48	121 Station 1	Dual Sink (class side)	HE	C	5:46
49	121 Station 5	Dual Sink (wall Side)	HE	C	5:47
50	121 Station 4	Dual Sink (wall Side)	HE	C	5:47
51	Health Room	Hand Sink (Nurse's Office)	BS	NC	5:49
52	Health Room	Hand Sink (Inside Suite)	BS	NC	5:49
53	Hallway by Gym	Bubbler/Drinking Fountain	DF	C	5:52
54	Gym (Scoreboard Wall)	Bubbler/Drinking Fountain	DF	C	5:53
55	Gym (Stage Wall)	Bubbler/Drinking Fountain	DF	C	5:53
56	Girls Locker Room	Hand Sink - L	BS	NC	5:55
57	Girls Locker Room	Hand Sink - C	BS	NC	5:55
58	Girls Locker Room	Hand Sink - R	BS	NC	5:55
59	Girls Locker Room	Bubbler/Drinking Fountain	DF	C	5:56
60	Girls Locker Room Office	Hand Sink	BS	NC	5:57
61	Boys Locker Room	Hand Sink - L	BS	NC	5:59
62	Boys Locker Room	Hand Sink - C	BS	NC	5:59
63	Boys Locker Room	Hand Sink - R	BS	NC	5:59
64	Boys Locker Room	Bubbler/Drinking Fountain	DF	C	6:00
65	Boys Locker Room Office	Hand Sink	BS	NC	6:01
66	Hallway by Boys Locker Room	Bubbler/Drinking Fountain	DF	C	6:02
67	133 (Science)	Hand Sink	CR	NC	
68	133	Hand Sink	CR	NC	
69	133	Bubbler	CR	C	
70	135	Hand Sink	CR	C	6:04
71	Faculty by 135	Hand Sink - L	BS	NC	6:05
72	Faculty by 135	Hand Sink - R	BS	NC	6:05
73	120 Dripping	Hand Sink - L	CR	NC	6:05



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AACPS Drinking Water Lead Survey

Arundel Middle School (3023)

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bib, etc.)	Outlet Key Codes	Consumption C or NC	Sample Time
74	120 Dripping	Hand Sink -R	CR	NC	6:06
75	120	Bubbler	CR	C	6:06
76	Faculty Men by 123	Hand Sink -L	BS	NC	6:10
77	Faculty Men by 123	Hand Sink -R	BS	NC	6:10
78	Faculty Women by 123	Hand Sink -L	BS	NC	6:11
79	Faculty Women by 123	Hand Sink -R	BS	NC	6:11
80	Hallway by 123	Bubbler/Drinking Fountain	DF	C	6:13
81	Boys by 223	Hand Sink -L	BS	NC	6:20
82	Boys by 223	Hand Sink -LC	BS	NC	6:20
83	Boys by 223	Hand Sink -RC	BS	NC	6:20
84	Boys by 223	Hand Sink -R	BS	NC	6:20
85	Hallway by 221	Bubbler/Drinking Fountain	DF	C	6:19
86	Girls by 220	Hand Sink -L	BS	NC	6:17
87	Girls by 220	Hand Sink -LC	BS	NC	6:17
88	Girls by 220	Hand Sink -RC	BS	NC	6:17
89	Girls by 220	Hand Sink -R	BS	NC	6:17
90	Hallway by 216	Bubbler/Drinking Fountain	DF	C	6:23
91	217 (Art Room)	Hand Sink	CR	NC	
92	217	Hand Sink	CR	NC	
93	217	Hand Sink	CR	NC	
94	216	Hand Sink	CR	NC	
95	216	Hand Sink	CR	NC	
96	216 Closet	Hand Sink	CR	NC	
97	216 Closet	Hand Sink	CR	NC	
98	216 Closet	Hand Sink	CR	NC	
99	215	Hand Sink	CR	NC	
100	215	Hand Sink	CR	NC	



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AACPS Drinking Water Lead Survey

Arundel Middle School (3023)

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bib, etc.)	Outlet Key Codes	Consumption C or NC	Sample Time
101	215 (Art Room)	Hand Sink	CR	NC	
102	215	Hand Sink	CR	NC	
103	215	Hand Sink	CR	NC	
104	Media Center Office	Conference Room	OT	C	6:24
105	Hallway by 212	Bubbler/Drinking Fountain	DF	C	6:25
106	Girls by 208	Hand Sink -L	BS	NC	6:26
107	Girls by 208	Hand Sink -LC	BS	NC	6:26
108	Girls by 208	Hand Sink -RC	BS	NC	6:26
109	Girls by 208	Hand Sink -R	BS	NC	6:26
110	Hallway across from 208	Bubbler/Drinking Fountain	DF	C	6:27
111	Boys by 205	Hand Sink -L	BS	NC	6:30
112	Boys by 205	Hand Sink -LC	BS	NC	6:30
113	Boys by 205	Hand Sink -RC	BS	NC	6:30
114	Boys by 205	Hand Sink -R	BS	NC	6:30
115	Hallway by 202	Bubbler/Drinking Fountain	DF	C	6:32
116	116A/	Hand Sink - Closest to window	CR	NC	5:39
117	Hallway by Health Room/116B	Bubbler/Drinking Fountain	DF	C	5:42

Cooler Receipt Form / Sample Acceptance & Noncompliance Form

Microbac Laboratories, Inc., Baltimore Division
Control # 606-03
Effective Date: 11/30/2016
Page 1 of 1

Number of Coolers Received: 1

Client: KCI

Form Completed By: N. Dillinger

Shipper:

Custody Tape Intact:

Containers Intact:

Sample Received on Ice or refrigerated:

Chain of Custody Present with shipment:

Sample Bottle IDs agree with COC:

Preservation requirements met:

Correct Number of Containers / Sample Volume:

Headspace in container:

Type of Sample:

Receipt Date / Time: 12/07/18 0827

Work Order # 1860542

Microbac Client UPS FedEx

YES / NO / NA

YES / NO

YES / NO / NA

Infrared (IR) Temperature: 16.8 °C

YES / NO

YES / NO

YES / NO / Not Checked

YES / NO (If No, contact client immediately)

YES / NO / NA

Water Soil Wipes Oil Filter Solid Sludge Food Swab Other

Container Type / Quantity:

A -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid:	If preserved pH <2, pH >10
B -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
C -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
D -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
E -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
H -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
K -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
L -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
M -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
P -	<input checked="" type="checkbox"/> Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
W -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
V -	Unpreserved	HCl	HCl / Ascorbic Acid	HCl / NaTHIO	(Checked at time of Analysis)		
F -	Unpreserved	NaTHIO (Checked at time of Analysis)					
S -	Unpreserved	NaTHIO (Checked at time of Analysis)					
SN -	Unpreserved	NaTHIO NaTHIO/EDTA (Checked at time of Analysis)					
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10

Describe preservation requirements not met:

All Acid preserved <2 pH NaOH preserved >12 pH All others >2 and <10 (usually 4-8)

Sample ID: All bottles H₂SO₄ HNO₃ NaOH 1 mls added to each bottle to preserve

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

(File 12/07/18 1009)

H₂SO₄ – Sulfuric Acid, HNO₃ – Nitric Acid, NaOH – Sodium Hydroxide, ASC – Ascorbic Acid, NaTHIO – Sodium Thiosulfate

Describe Anomalies:

Contact information / Summary of Actions:

Date / Time: _____ Contact: _____ Contact By: _____

Comments: _____
